

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081219\
 Data File : VX011502.D
 Acq On : 12 Aug 2019 23:16
 Operator : JC/SP
 Sample : VX0812WBSD02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0812WBSD02

Manual Integrations
 APPROVED

MMDadoda
 8/14/2019 9:12:27 AM

Quant Time: Aug 13 09:06:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080119W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 02 01:55:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	152101	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	227865	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	211321	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	109986	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	86713	56.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.22%	
35) Dibromofluoromethane	5.49	113	73783	49.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.20%	
50) Toluene-d8	8.71	98	272921	48.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.20%	
62) 4-Bromofluorobenzene	11.13	95	99271	49.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	20389	17.356	ug/l	100
3) Chloromethane	1.32	50	22637	17.160	ug/l	98
4) Vinyl Chloride	1.40	62	24099	16.608	ug/l	96
5) Bromomethane	1.63	94	19106	18.461	ug/l	100
6) Chloroethane	1.71	64	16908	17.097	ug/l	96
7) Trichlorofluoromethane	1.92	101	43577	16.889	ug/l	97
8) Diethyl Ether	2.18	74	15568	16.898	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	24539	17.577	ug/l	97
10) Methyl Iodide	2.50	142	27697	15.736	ug/l	98
11) Tert butyl alcohol	3.04	59	33521	109.759	ug/l	99
12) 1,1-Dichloroethene	2.37	96	23244	16.796	ug/l	88
13) Acrolein	2.29	56	16076	84.412	ug/l	98
14) Allyl chloride	2.72	41	36297	19.674	ug/l	98
15) Acrylonitrile	3.14	53	75855	104.070	ug/l	98
16) Acetone	2.43	43	67197	92.167	ug/l	97
17) Carbon Disulfide	2.56	76	50231	15.468	ug/l	100
18) Methyl Acetate	2.76	43	37548	22.536	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	83893	20.571	ug/l	100
20) Methylene Chloride	2.85	84	29340	18.375	ug/l	95
21) trans-1,2-Dichloroethene	3.16	96	26087	17.820	ug/l	92
22) Diisopropyl ether	3.85	45	81573	20.118	ug/l	95
23) Vinyl Acetate	3.81	43	340544	101.261	ug/l	99
24) 1,1-Dichloroethane	3.69	63	46612	19.495	ug/l	96
25) 2-Butanone	4.67	43	104272	100.541	ug/l	100
26) 2,2-Dichloropropane	4.58	77	28879	15.538	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	31445	18.649	ug/l	97
28) Bromochloromethane	5.01	49	22799	20.917	ug/l	95
29) Tetrahydrofuran	5.12	42	66234	104.157	ug/l	99
30) Chloroform	5.20	83	52571	20.230	ug/l	97
31) Cyclohexane	5.57	56	34244	17.360	ug/l	93
32) 1,1,1-Trichloroethane	5.49	97	43363	19.480	ug/l	97
36) 1,1-Dichloropropene	5.79	75	35122	17.654	ug/l	98
37) Ethyl Acetate	4.82	43	37945	19.014	ug/l	98
38) Carbon Tetrachloride	5.78	117	38078	19.024	ug/l	96

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 Quant Title : SW846 8260
 QLast Update : Fri Aug 02 01:55:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	36833	15.619	ug/l	98
40) Benzene	6.14	78	109389	18.426	ug/l	97
41) Methacrylonitrile	5.04	41	21869	20.066	ug/l	97
42) 1,2-Dichloroethane	6.18	62	41755	20.799	ug/l	96
43) Isopropyl Acetate	6.44	43	62041	19.446	ug/l	99
44) Trichloroethene	7.21	130	31120	17.318	ug/l	93
45) 1,2-Dichloropropane	7.51	63	28321	18.420	ug/l	99
46) Dibromomethane	7.66	93	21023	18.730	ug/l	96
47) Bromodichloromethane	7.89	83	36363	19.135	ug/l	97
48) Methyl methacrylate	7.77	41	30684	20.436	ug/l	96
49) 1,4-Dioxane	7.73	88	16326	375.057	ug/l	89
51) 4-Methyl-2-Pentanone	8.64	43	212409	103.160	ug/l	100
52) Toluene	8.78	92	72021	18.348	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	34914	17.719	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	40427	18.212	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	31165	19.311	ug/l	96
56) Ethyl methacrylate	9.18	69	43745	19.021	ug/l	95
57) 1,3-Dichloropropane	9.37	76	49124	19.247	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.31	63	105604	93.387	ug/l	99
59) 2-Hexanone	9.49	43	166413	104.344	ug/l	98
60) Dibromochloromethane	9.58	129	30006	18.160	ug/l	99
61) 1,2-Dibromoethane	9.67	107	32483	18.630	ug/l	100
64) Tetrachloroethene	9.34	164	31836	17.740	ug/l	97
65) Chlorobenzene	10.13	112	81535	17.995	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	30169	19.449	ug/l	98
67) Ethyl Benzene	10.25	91	136183	17.946	ug/l	98
68) m/p-Xylenes	10.36	106	104066	35.455	ug/l	96
69) o-Xylene	10.69	106	50010	17.341	ug/l	94
70) Styrene	10.71	104	87502	18.337	ug/l	99
71) Bromoform	10.85	173	21632	17.548	ug/l #	97
73) Isopropylbenzene	11.02	105	140050	18.618	ug/l	99
74) N-amyl acetate	10.90	43	53584	19.714	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.27	83	49131	19.599	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	40687m	20.313	ug/l	
77) Bromobenzene	11.26	156	38730	18.568	ug/l	97
78) n-propylbenzene	11.36	91	151754	18.141	ug/l	98
79) 2-Chlorotoluene	11.42	91	93276	18.708	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	114420	18.171	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	10969	17.827	ug/l	86
82) 4-Chlorotoluene	11.51	91	107503	18.501	ug/l	98
83) tert-Butylbenzene	11.77	119	114159	18.485	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	115137	18.365	ug/l	99
85) sec-Butylbenzene	11.94	105	133846	18.038	ug/l	99
86) p-Isopropyltoluene	12.06	119	121989	17.871	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	66589	18.068	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	67323	17.715	ug/l	97
89) n-Butylbenzene	12.38	91	98636	16.772	ug/l	99
90) Hexachloroethane	12.59	117	17709	17.547	ug/l	99
91) 1,2-Dichlorobenzene	12.39	146	68376	18.464	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	10196	20.994	ug/l	89

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ClientSampleId :
VX0812WBSD02

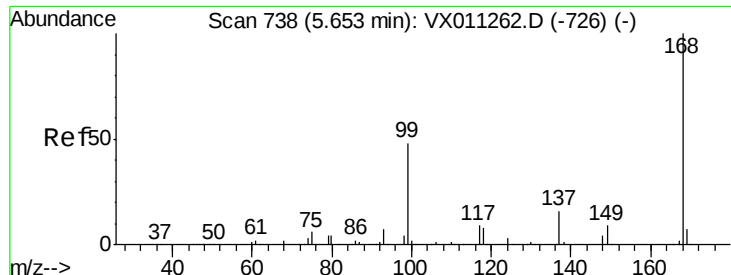
Manual Integrations
APPROVED

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8/14/2019 9:12:27 AM

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Quant Title : SW846 8260
QLast Update : Fri Aug 02 01:55:00 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.64	180	42447	17.284	ug/l	99
94) Hexachlorobutadiene	13.78	225	21323	17.113	ug/l	98
95) Naphthalene	13.83	128	135409	18.854	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	43659	17.487	ug/l	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed



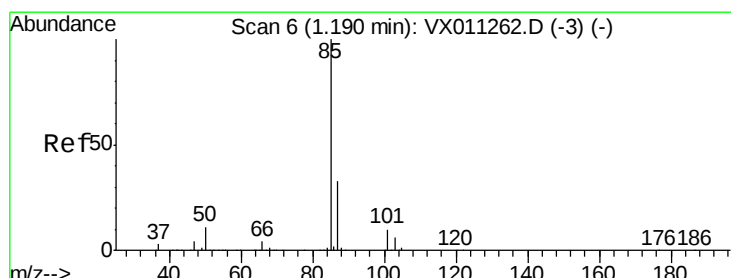
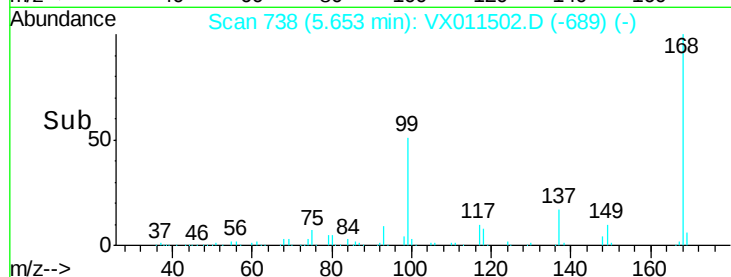
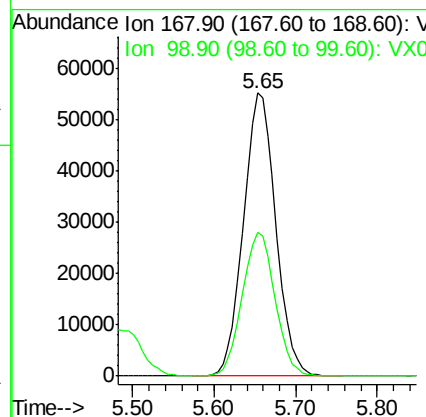
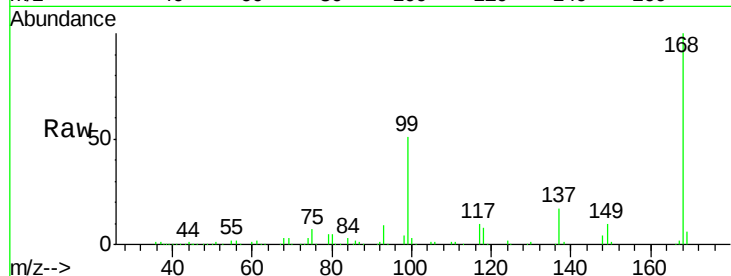
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.65 min Scan# 738
Delta R.T. 0.00 min
Lab File: VX011502.D
Acq: 12 Aug 2019 23:16

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD02

Tot Ion	Ion	Ratio	Lower	Upper
168	100			
99	50.7	38.5	57.7	

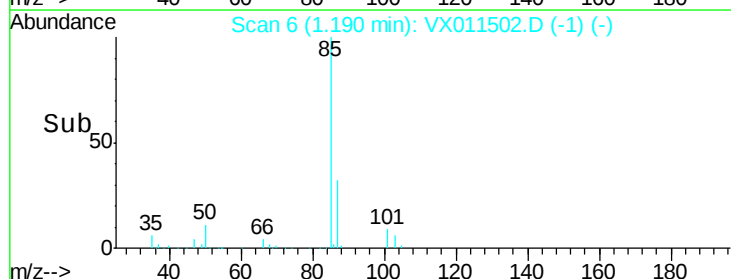
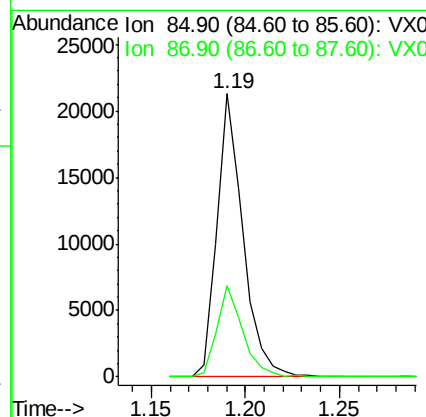
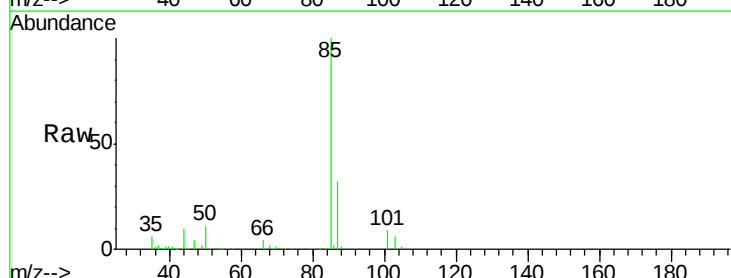
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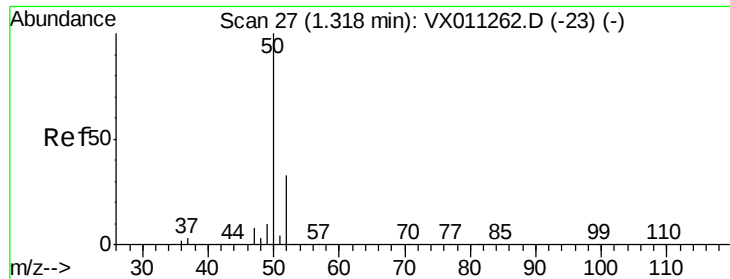
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#2
Dichlorodifluoromethane
Concen: 17.356 ug/l
RT: 1.19 min Scan# 6
Delta R.T. 0.00 min
Lab File: VX011502.D
Acq: 12 Aug 2019 23:16

Tgt Ion	Ion	Ratio	Lower	Upper
85	100			
87	32.5	16.4	49.1	





#3

Chloromethane

Concen: 17.160 ug/l

RT: 1.32 min Scan# 27

Delta R.T. 0.00 min

Lab File: VX011502.D

Acq: 12 Aug 2019 23:16

Instrument :

MSVOA_X

ClientSampleId :

VX0812WBSD02

Tot Ion: 50 Resp: 22637

Ion Ratio Lower Upper

50 100

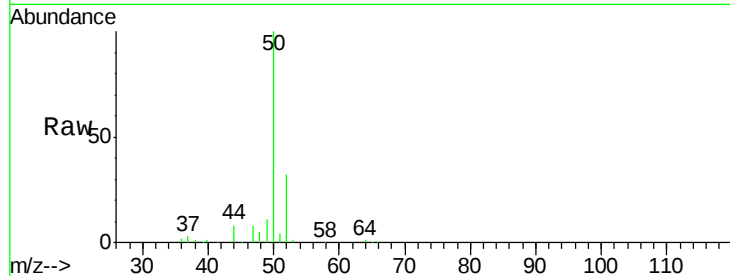
52 31.9 26.4 39.6

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

25000

20000

15000

10000

5000

0

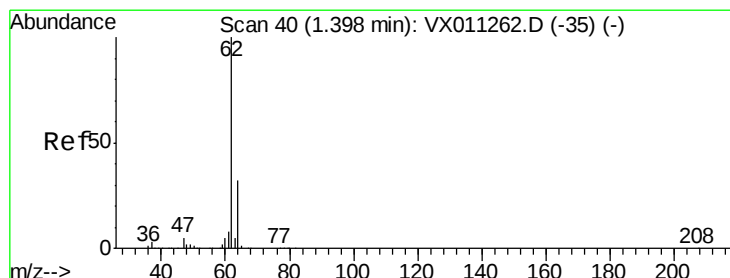
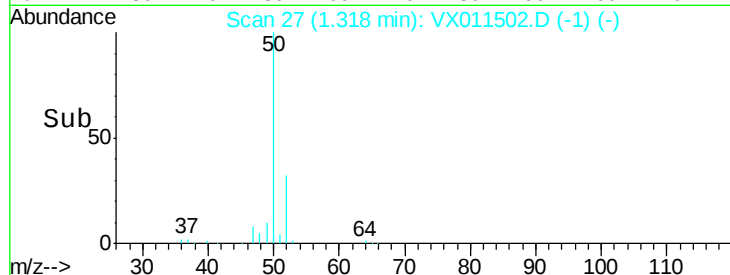
Time-->

1.25

1.30

1.35

1.40



#4

Vinyl Chloride

Concen: 16.608 ug/l

RT: 1.40 min Scan# 40

Delta R.T. 0.00 min

Lab File: VX011502.D

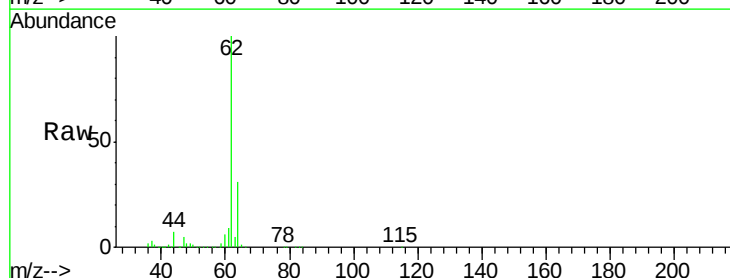
Acq: 12 Aug 2019 23:16

Tgt Ion: 62 Resp: 24099

Ion Ratio Lower Upper

62 100

64 30.4 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

25000

20000

15000

10000

5000

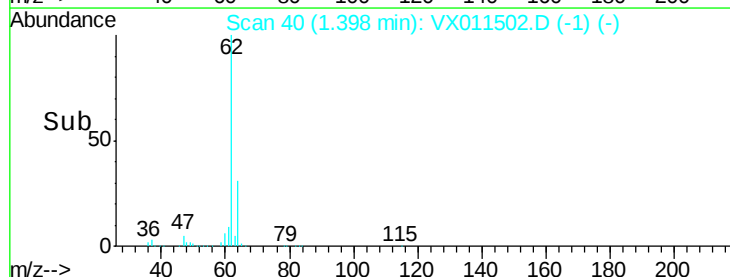
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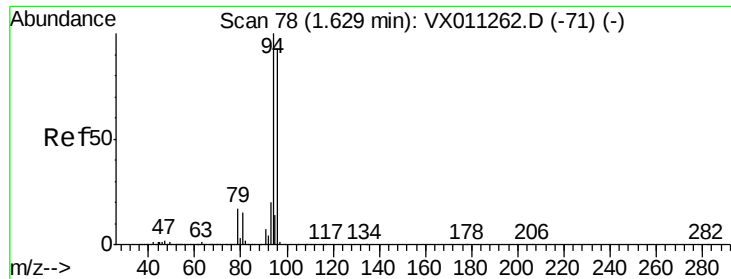
Time-->

1.35

1.40

1.45





#5

Bromomethane

Concen: 18.461 ug/l

RT: 1.63 min Scan# 78

Delta R.T. 0.00 min

Lab File: VX011502.D

Acq: 12 Aug 2019 23:16

Instrument :

MSVOA_X

ClientSampleId :

VX0812WBSD02

Tot Ion: 94 Resp: 19106

Ion Ratio Lower Upper

94 100

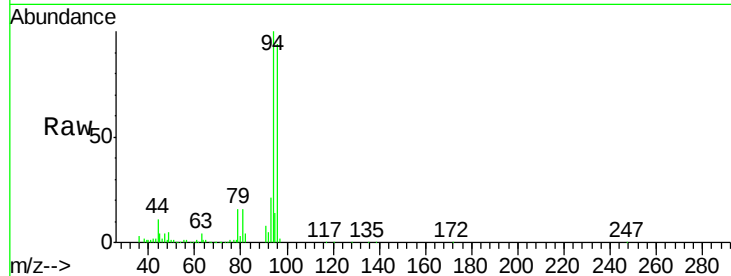
96 93.6 74.6 112.0

Manual Integrations

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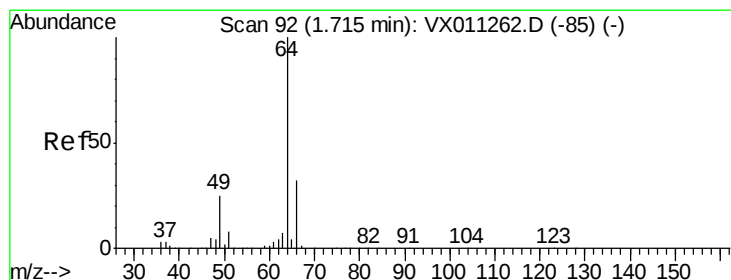
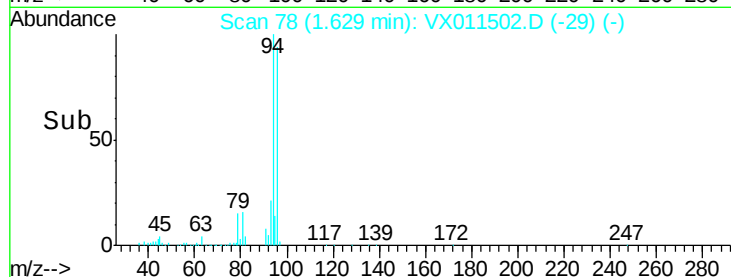
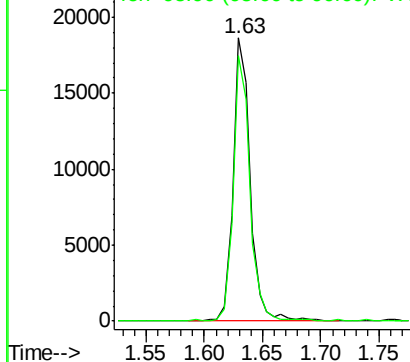
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 17.097 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX011502.D

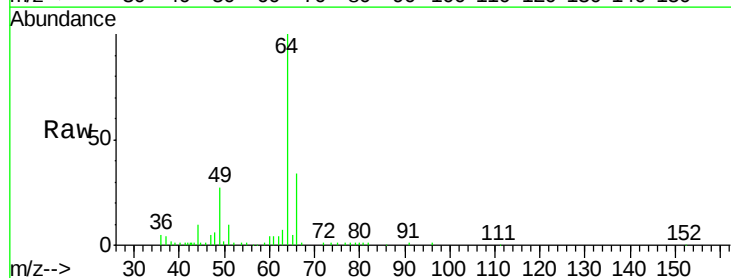
Acq: 12 Aug 2019 23:16

Tgt Ion: 64 Resp: 16908

Ion Ratio Lower Upper

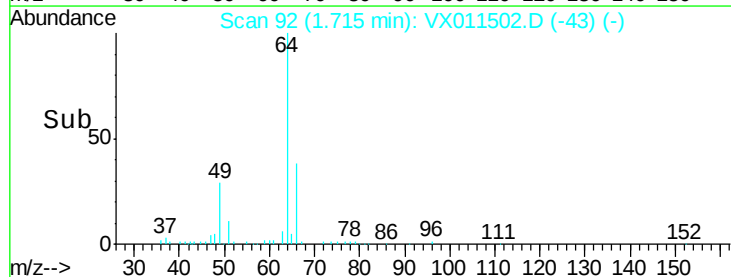
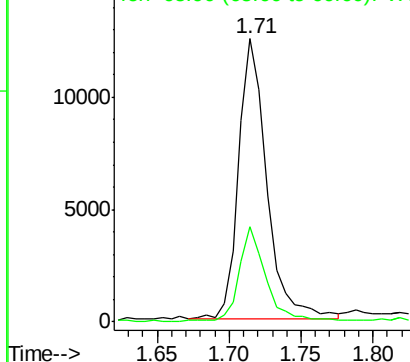
64 100

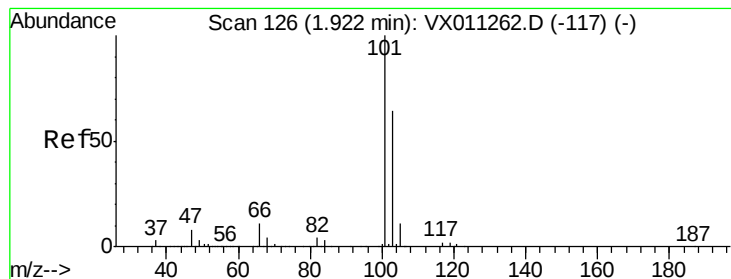
66 33.8 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

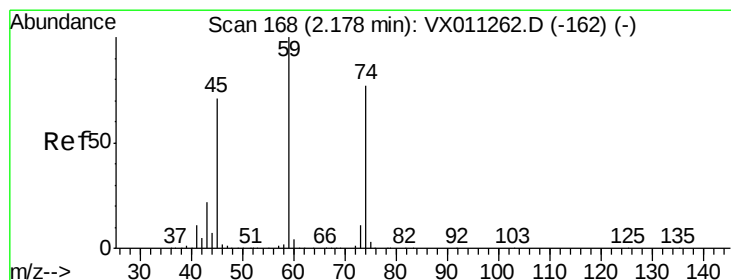
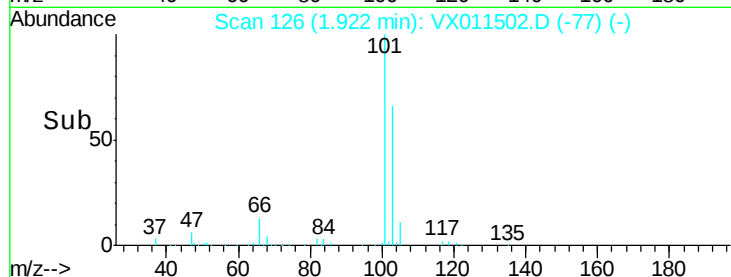
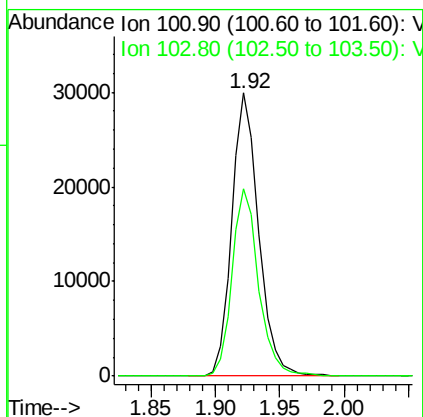
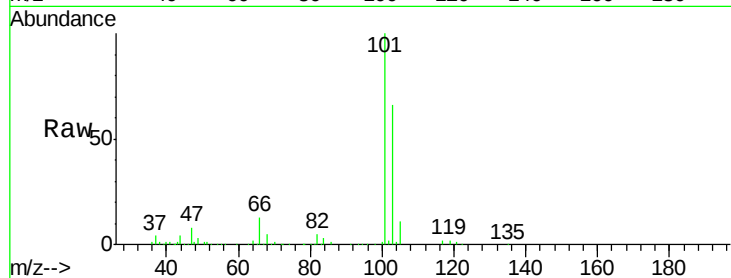
Trichlorofluoromethane
Concen: 16.889 ug/l
RT: 1.92 min Scan# 126
Delta R.T. 0.00 min
Lab File: VX011502.D
Acq: 12 Aug 2019 23:16

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD02

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.3	50.9	76.3

Manual Integrations
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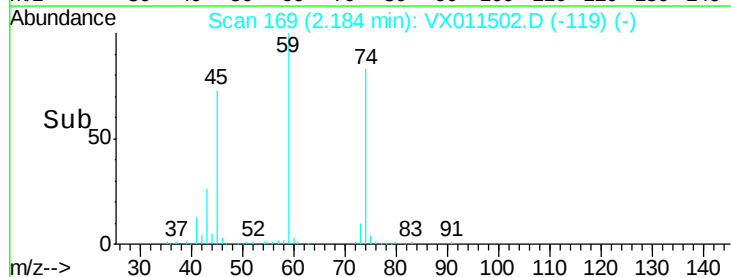
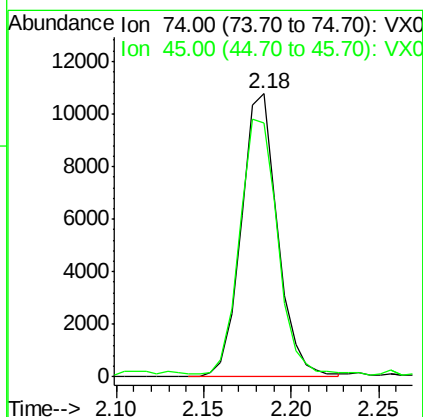
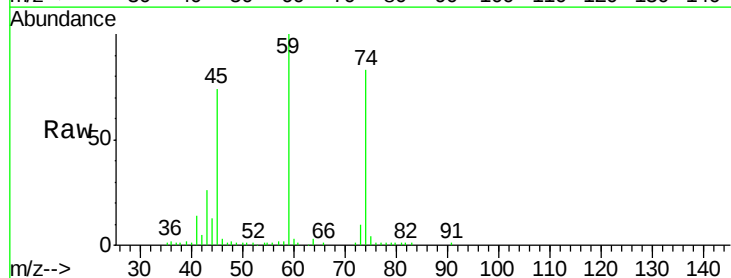
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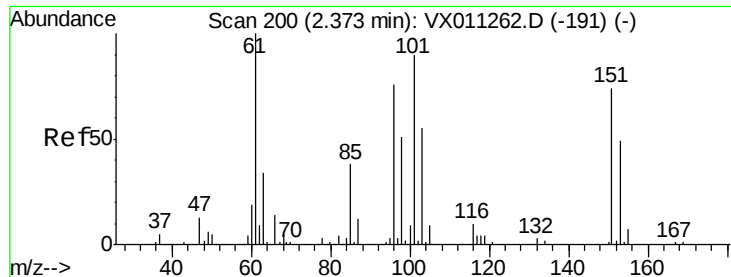


#8

Diethyl Ether
Concen: 16.898 ug/l
RT: 2.18 min Scan# 169
Delta R.T. 0.01 min
Lab File: VX011502.D
Acq: 12 Aug 2019 23:16

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.1	46.1	138.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.577 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.01 min

Lab File: VX011502.D

Acq: 12 Aug 2019 23:16

Instrument :

MSVOA_X

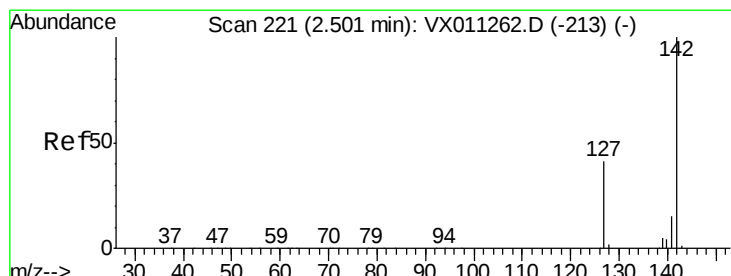
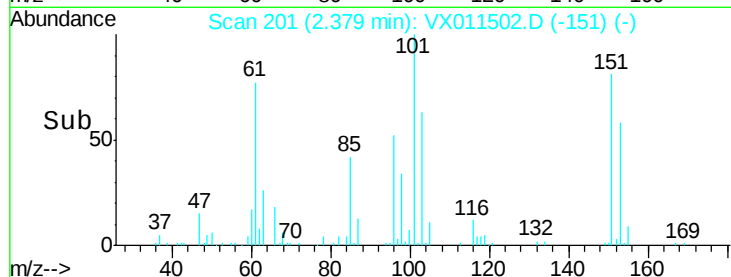
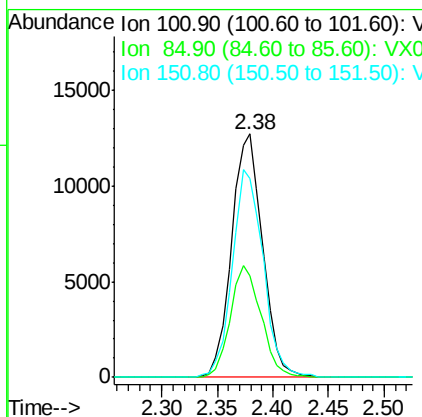
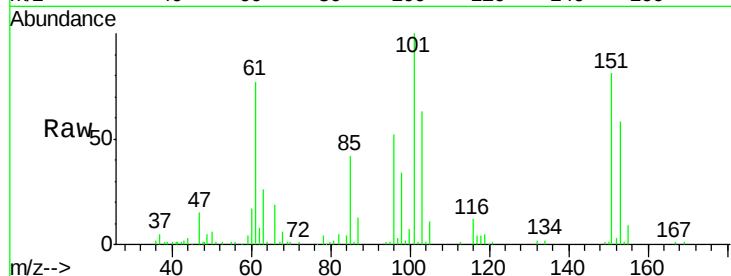
ClientSampleId :

VX0812WBSD02

Tot Ion:	101	Resp:	24539
Ion Ratio	Lower	Upper	
101	100		
85	45.5	33.8	50.6
151	84.9	69.5	104.3

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#10

Methyl Iodide

Concen: 15.736 ug/l

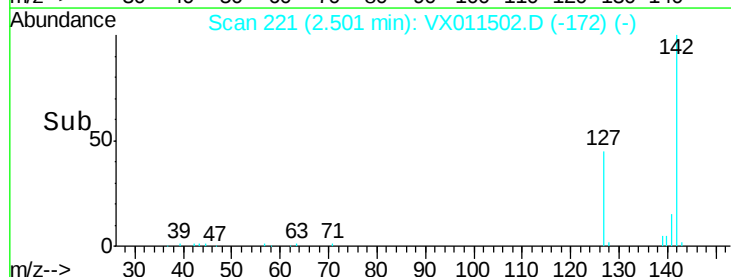
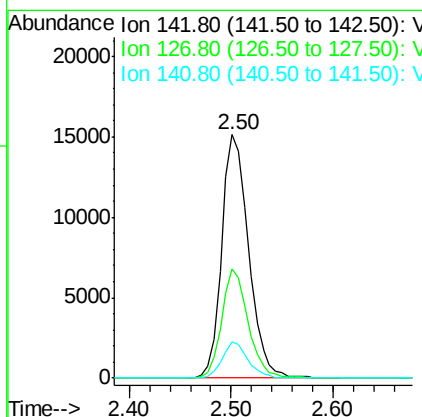
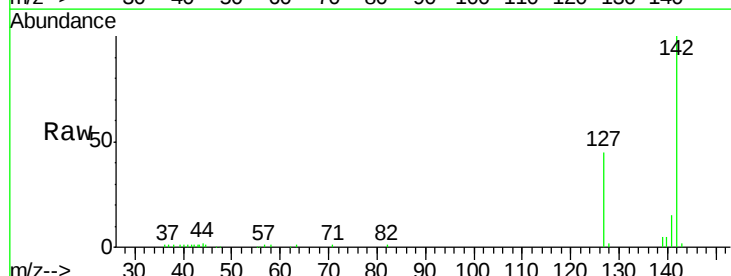
RT: 2.50 min Scan# 221

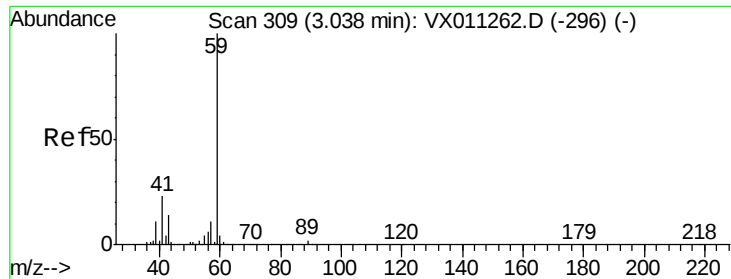
Delta R.T. 0.00 min

Lab File: VX011502.D

Acq: 12 Aug 2019 23:16

Tgt Ion:	142	Resp:	27697
Ion Ratio	Lower	Upper	
142	100		
127	44.0	33.8	50.8
141	14.1	11.4	17.2





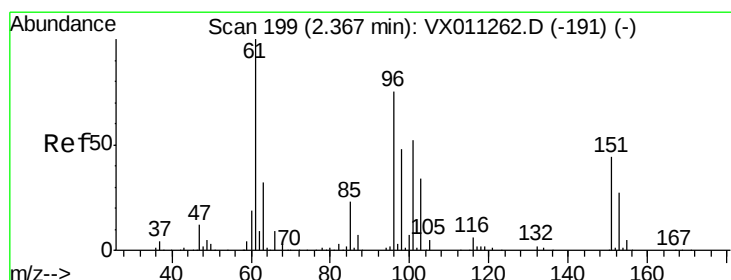
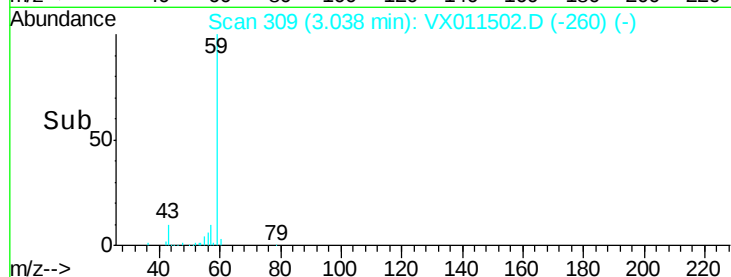
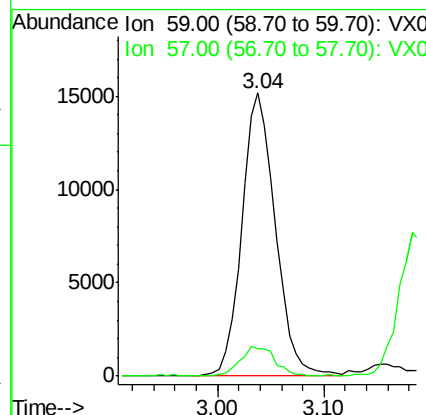
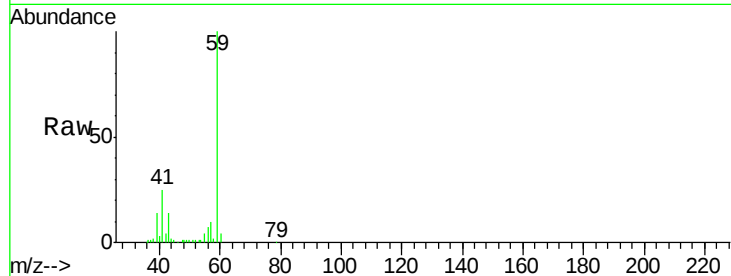
#11
Tert butyl alcohol
Concen: 109.759 ug/l
RT: 3.04 min Scan# 309
Delta R.T. 0.00 min
Lab File: VX011502.D
Acq: 12 Aug 2019 23:16

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD02

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.9	8.3	12.5

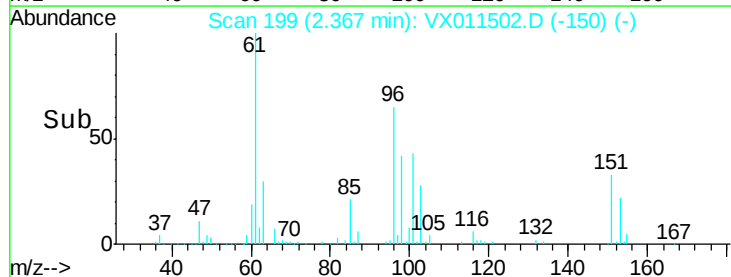
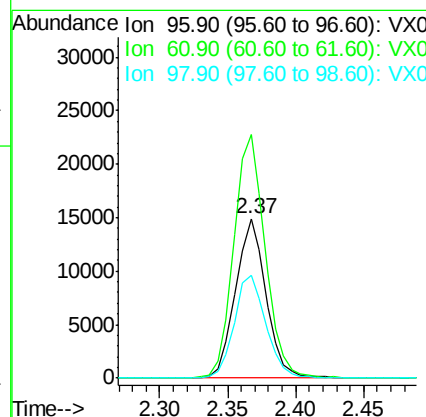
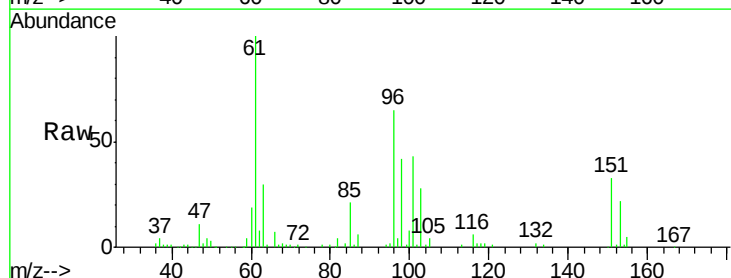
Manual Integrations
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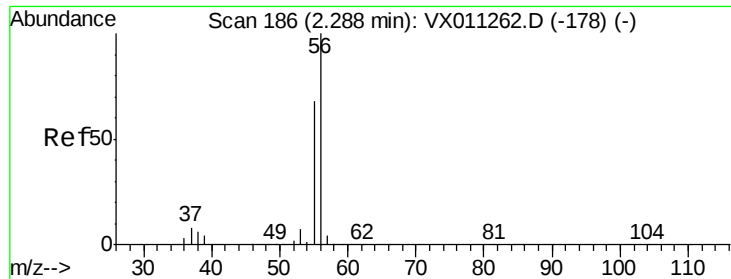
MMDadoda
8/14/2019 9:12:27 AM



#12
1,1-Dichloroethene
Concen: 16.796 ug/l
RT: 2.37 min Scan# 199
Delta R.T. 0.00 min
Lab File: VX011502.D
Acq: 12 Aug 2019 23:16

Tgt Ion	Ratio	Lower	Upper
96	100		
61	152.3	106.2	159.2
98	64.3	50.6	75.8





#13

Acrolein

Concen: 84.412 ug/l

RT: 2.29 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX011502.D

Acq: 12 Aug 2019 23:16

Instrument :

MSVOA_X

ClientSampleId :

VX0812WBSD02

Tot Ion: 56 Resp: 16076

Ion Ratio Lower Upper

56 100

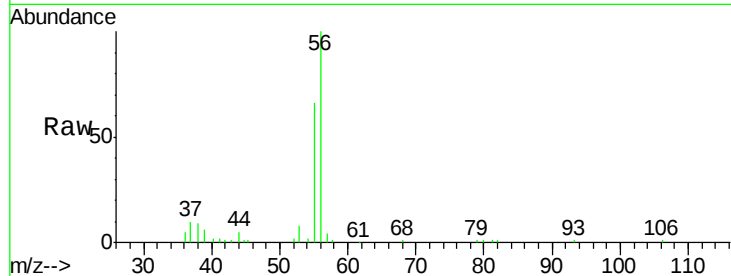
55 71.9 56.0 84.0

Manual Integrations

APPROVED

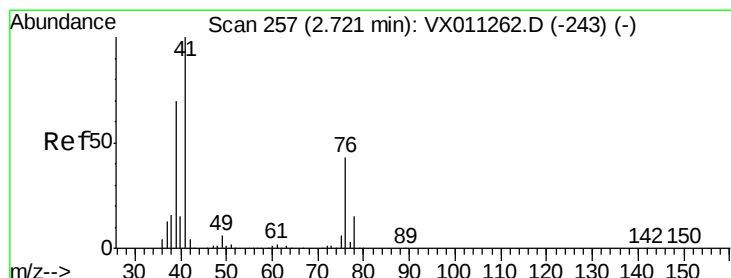
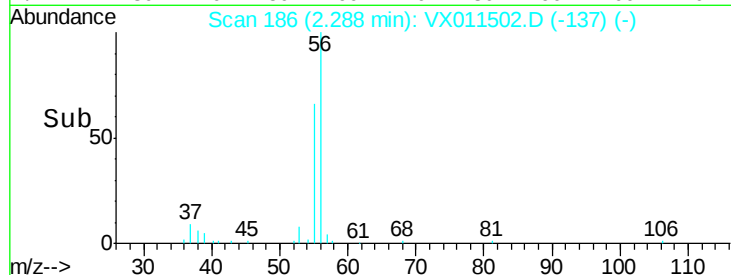
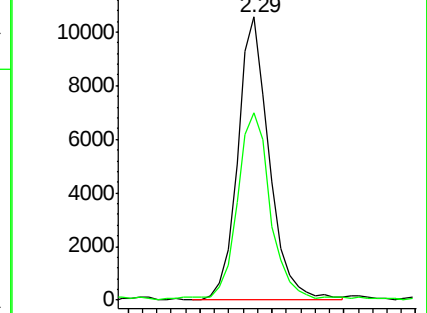
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 19.674 ug/l

RT: 2.72 min Scan# 257

Delta R.T. 0.00 min

Lab File: VX011502.D

Acq: 12 Aug 2019 23:16

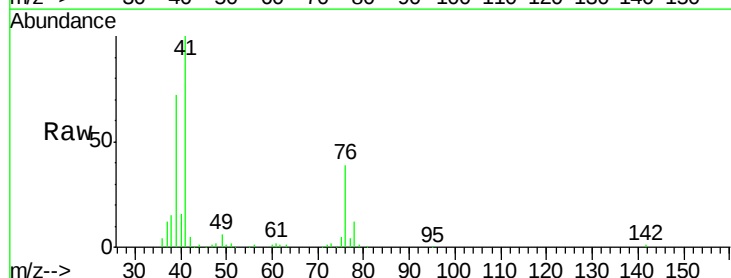
Tgt Ion: 41 Resp: 36297

Ion Ratio Lower Upper

41 100

39 66.4 52.8 79.2

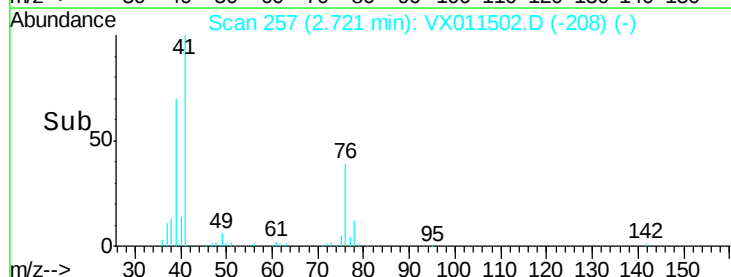
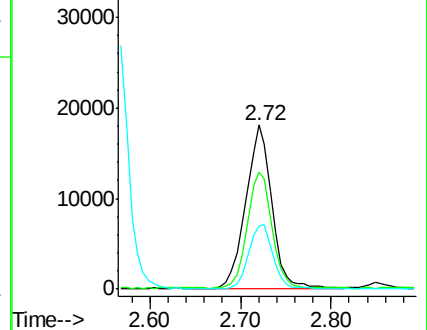
76 36.3 31.1 46.7

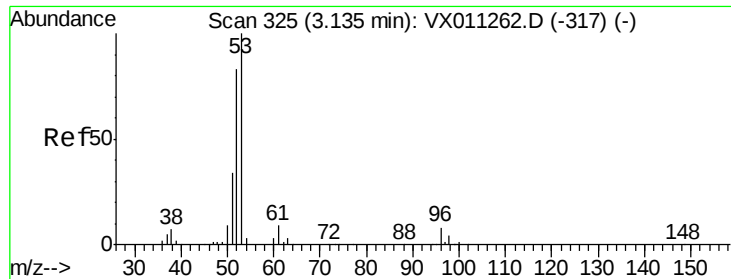


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 104.070 ug/l

RT: 3.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX011502.D

Acq: 12 Aug 2019 23:16

Instrument :

MSVOA_X

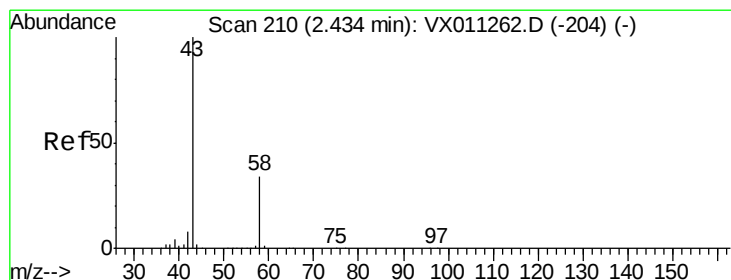
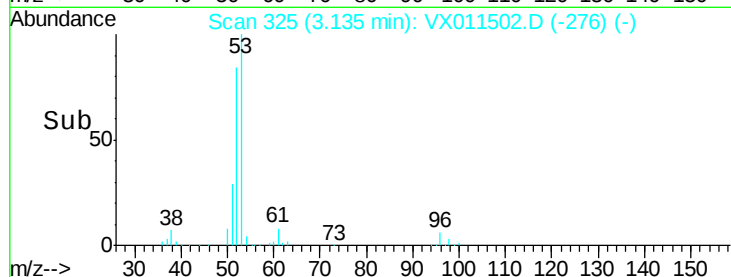
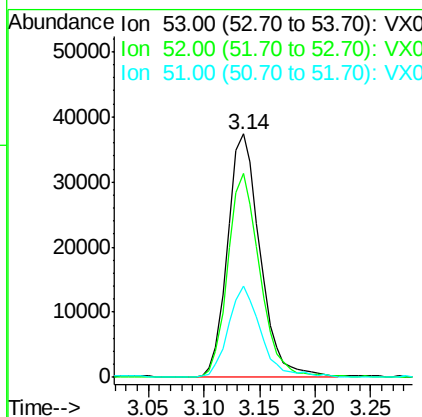
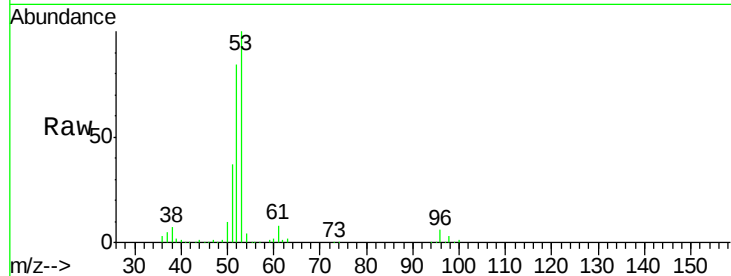
ClientSampleId :

VX0812WBSD02

Tot Ion:	53	Resp:	75855
Ion Ratio	Lower	Upper	
53	100		
52	82.8	65.5	98.3
51	37.9	27.9	41.9

Manual Integrations
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#16

Acetone

Concen: 92.167 ug/l

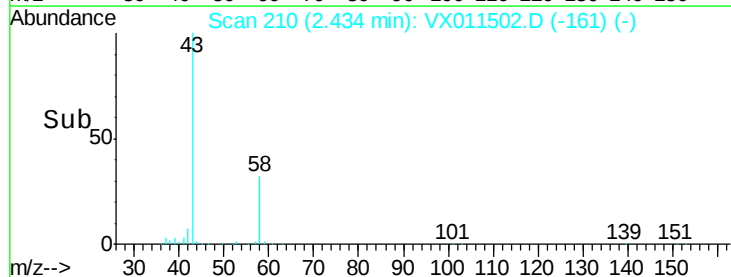
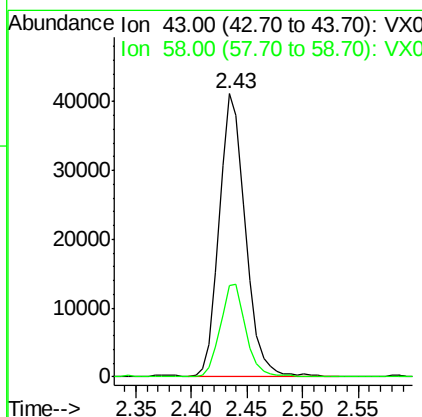
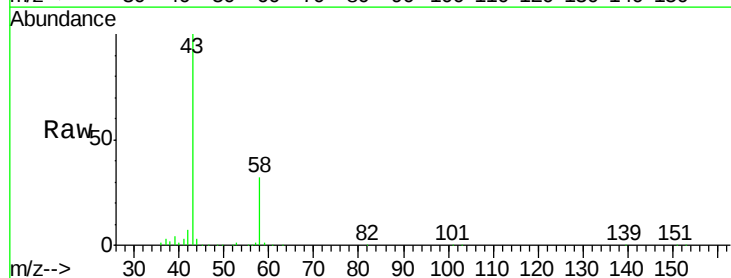
RT: 2.43 min Scan# 210

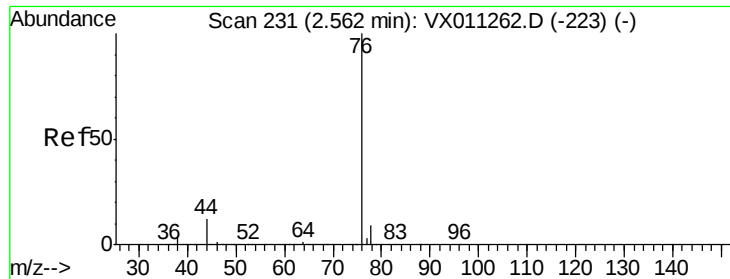
Delta R.T. 0.00 min

Lab File: VX011502.D

Acq: 12 Aug 2019 23:16

Tgt Ion:	43	Resp:	67197
Ion Ratio	Lower	Upper	
43	100		
58	32.3	27.4	41.0





#17

Carbon Disulfide

Concen: 15.468 ug/l

RT: 2.56 min Scan# 231

Delta R.T. 0.00 min

Lab File: VX011502.D

Acq: 12 Aug 2019 23:16

Instrument :

MSVOA_X

ClientSampleId :

VX0812WBSD02

Tot Ion: 76 Resp: 50231

Ion Ratio Lower Upper

76 100

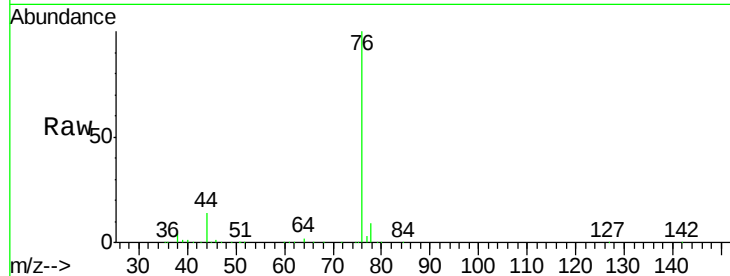
78 9.3 7.4 11.0

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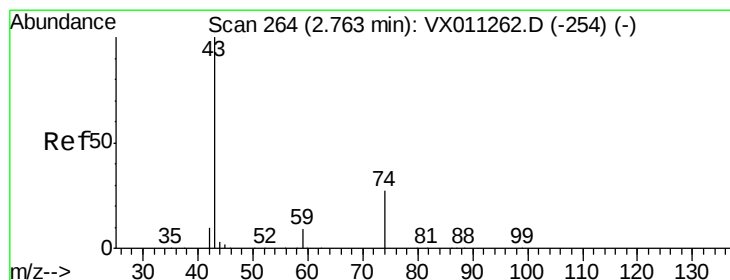
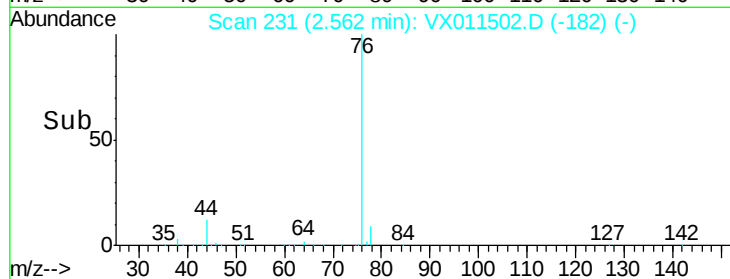
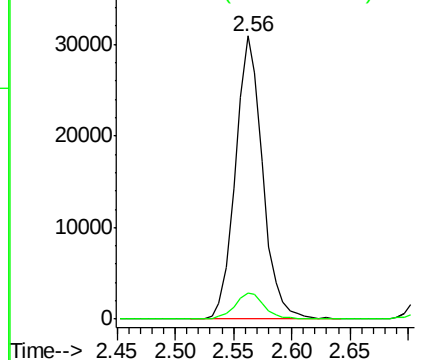
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 22.536 ug/l

RT: 2.76 min Scan# 264

Delta R.T. 0.00 min

Lab File: VX011502.D

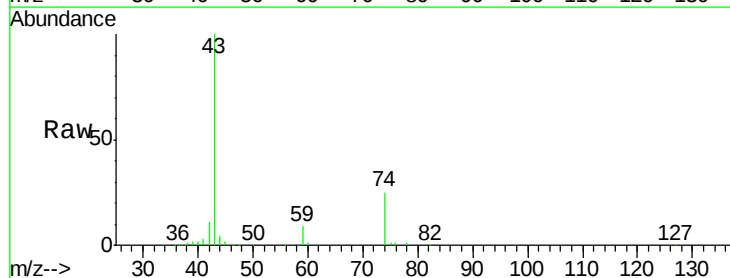
Acq: 12 Aug 2019 23:16

Tgt Ion: 43 Resp: 37548

Ion Ratio Lower Upper

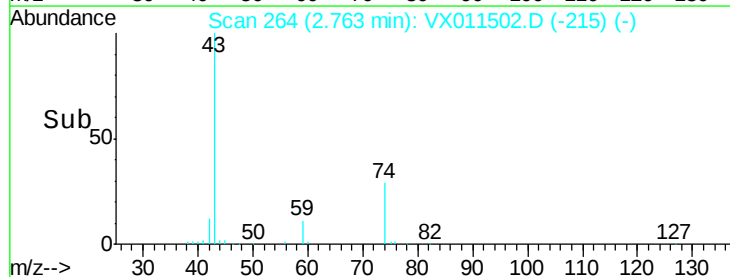
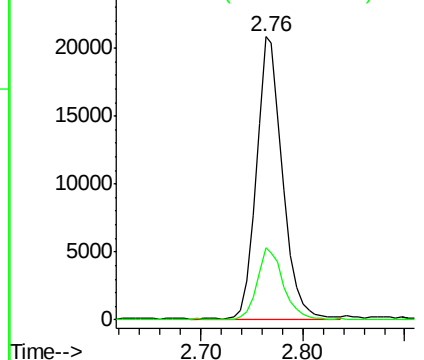
43 100

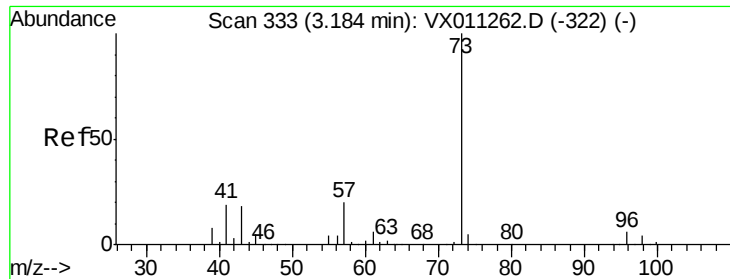
74 25.6 21.0 31.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





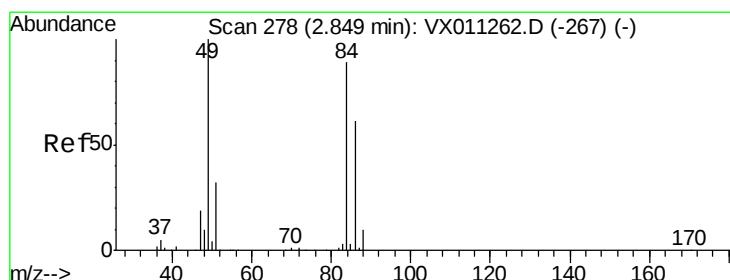
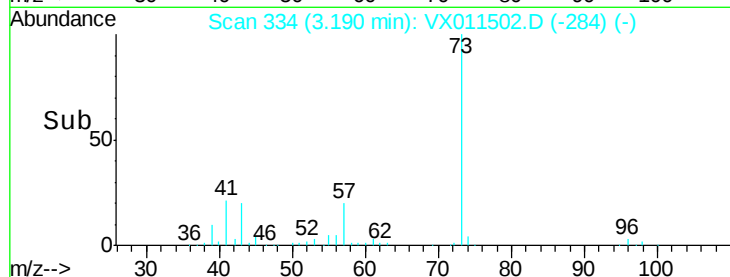
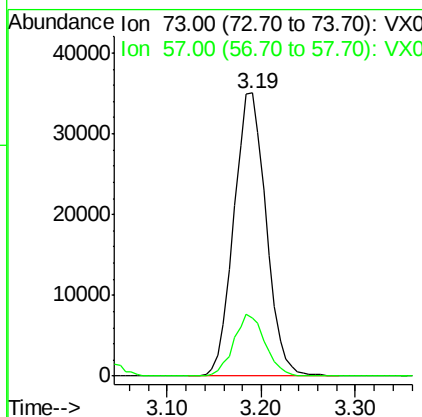
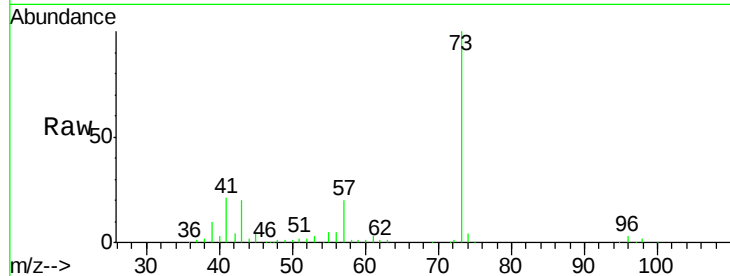
#19
Methvl tert-butvl Ether
Concen: 20.571 ug/l
RT: 3.19 min Scan# 334
Delta R.T. 0.01 min
Lab File: VX011502.D
Acq: 12 Aug 2019 23:16

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD02

Tot Ion: 73 Resp: 83893
Ion Ratio Lower Upper
73 100
57 20.4 16.2 24.2

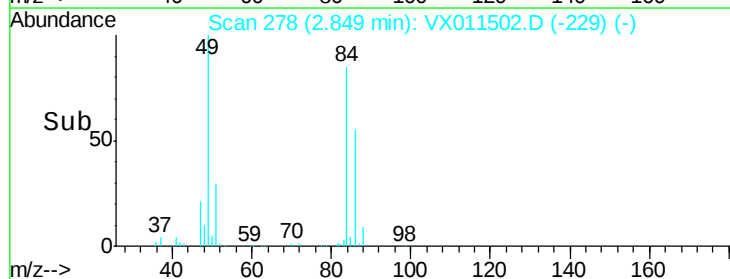
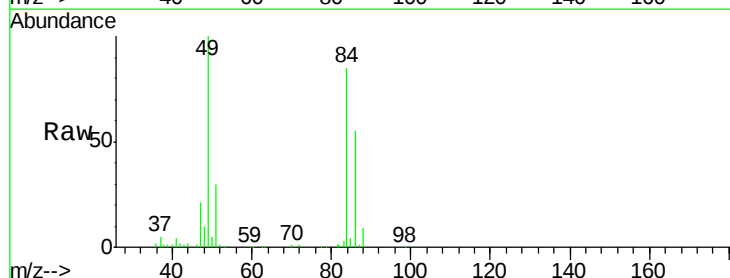
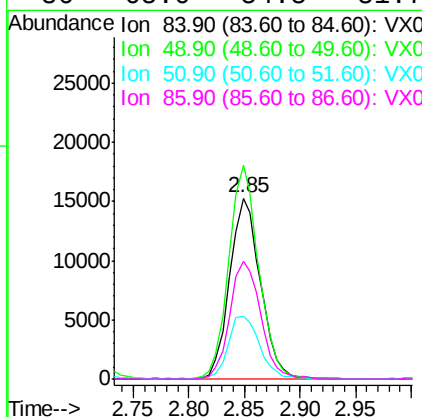
Manual Integrations
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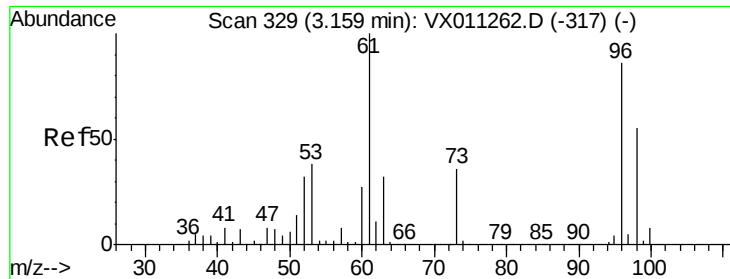
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#20
Methylene Chloride
Concen: 18.375 ug/l
RT: 2.85 min Scan# 278
Delta R.T. 0.00 min
Lab File: VX011502.D
Acq: 12 Aug 2019 23:16

Tgt Ion: 84 Resp: 29340
Ion Ratio Lower Upper
84 100
49 118.0 89.3 133.9
51 34.9 28.3 42.5
86 65.0 54.5 81.7





#21

trans-1,2-Dichloroethene

Concen: 17.820 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX011502.D

Acq: 12 Aug 2019 23:16

Instrument :

MSVOA_X

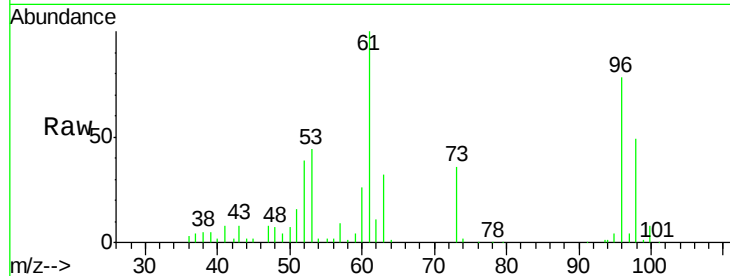
ClientSampleId :

VX0812WBSD02

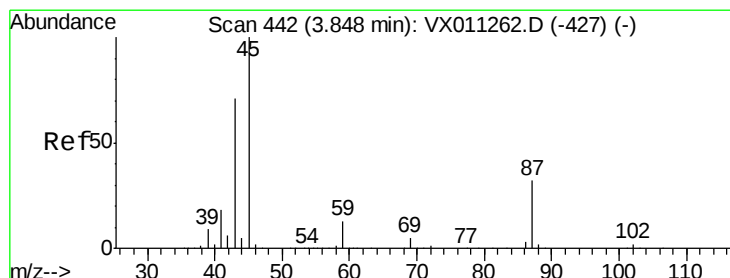
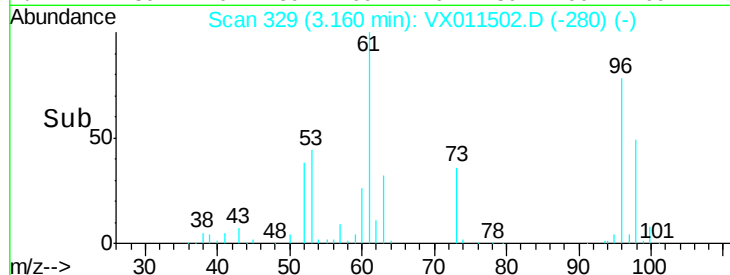
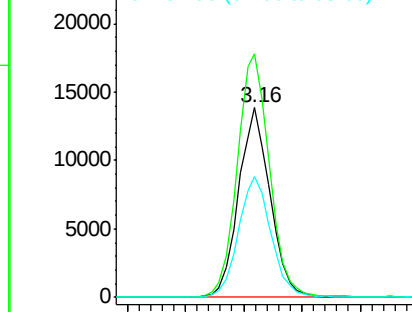
Tot Ion:	96	Resp:	26087
Ion	Ratio	Lower	Upper
96	100		
61	128.3	92.8	139.2
98	63.4	51.2	76.8

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Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 20.118 ug/l

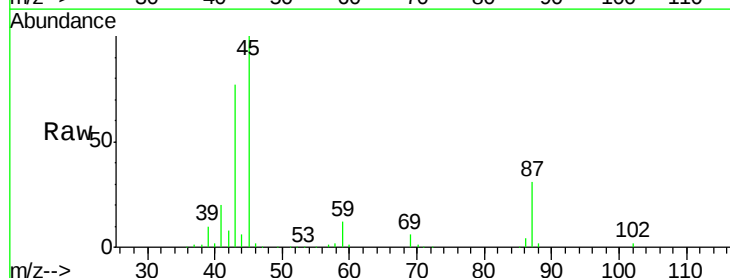
RT: 3.85 min Scan# 442

Delta R.T. 0.00 min

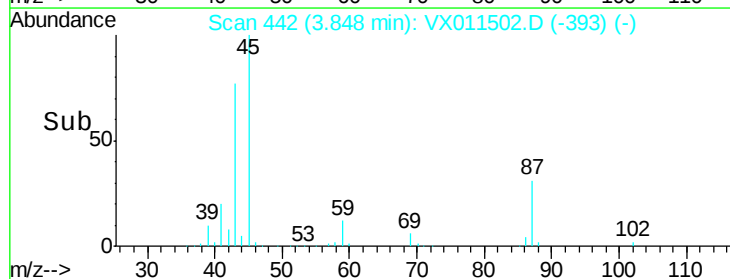
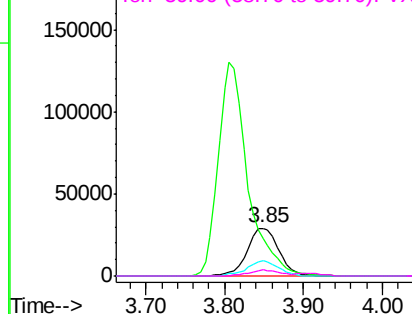
Lab File: VX011502.D

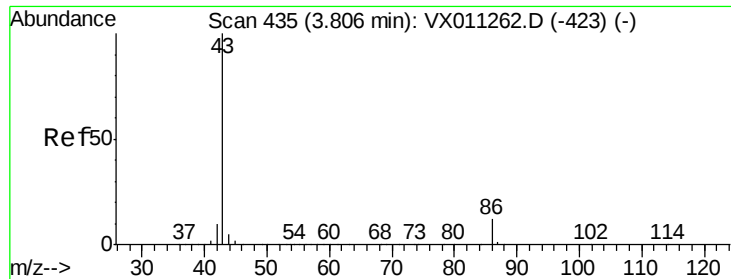
Acq: 12 Aug 2019 23:16

Tgt Ion:	45	Resp:	81573
Ion	Ratio	Lower	Upper
45	100		
43	76.2	56.8	85.2
87	31.1	25.8	38.6
59	12.4	10.3	15.5



Abundance Ion 45.00 (44.70 to 45.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 87.00 (86.70 to 87.70): VX0
Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 101.261 ug/l

RT: 3.81 min Scan# 435

Delta R.T. 0.00 min

Lab File: VX011502.D

Acq: 12 Aug 2019 23:16

Instrument :

MSVOA_X

ClientSampleId :

VX0812WBSD02

Tot Ion: 43 Resp: 340544

Ion Ratio Lower Upper

43 100

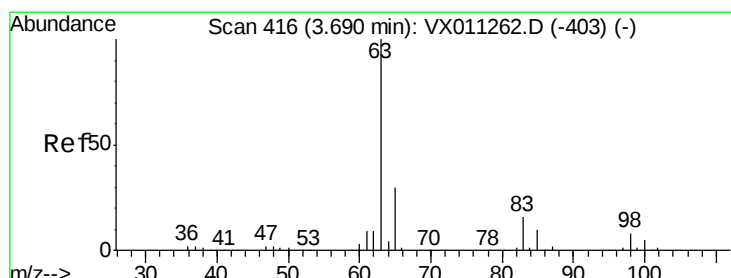
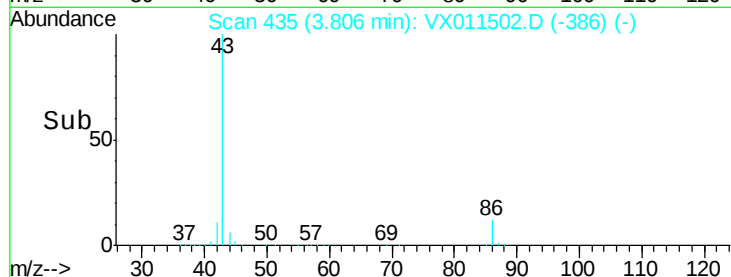
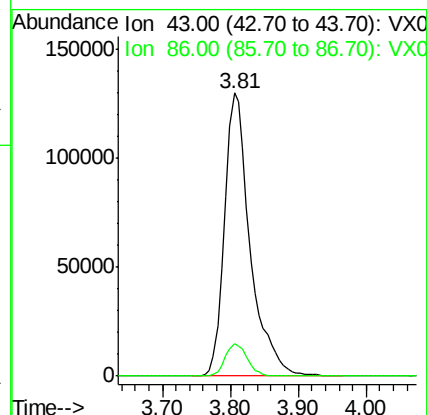
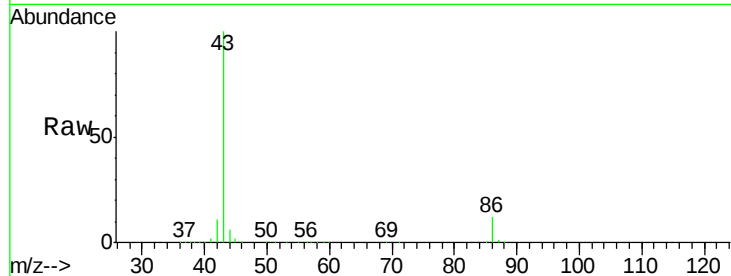
86 11.6 9.6 14.4

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 19.495 ug/l

RT: 3.69 min Scan# 416

Delta R.T. 0.00 min

Lab File: VX011502.D

Acq: 12 Aug 2019 23:16

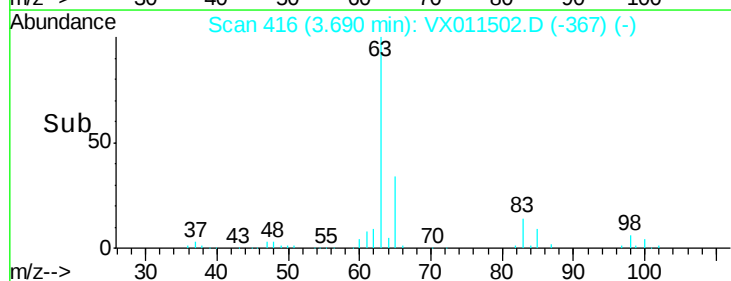
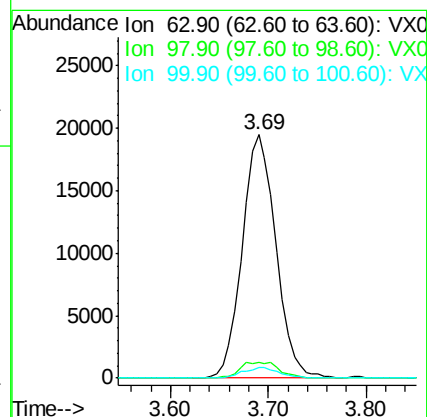
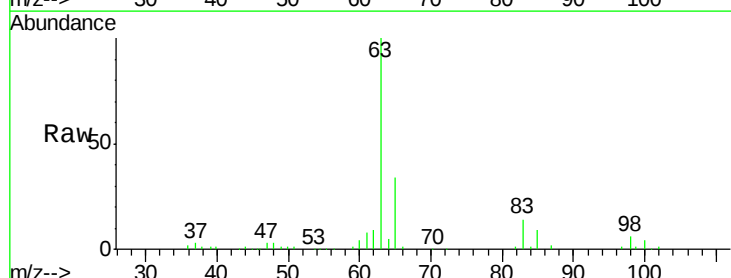
Tgt Ion: 63 Resp: 46612

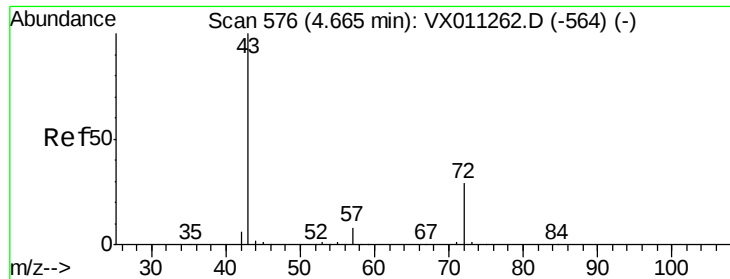
Ion Ratio Lower Upper

63 100

98 6.2 3.9 11.5

100 4.4 2.7 8.1





#25

2-Butanone

Concen: 100.541 ug/l

RT: 4.67 min Scan# 576

Delta R.T. 0.00 min

Lab File: VX011502.D

Acq: 12 Aug 2019 23:16

Instrument :

MSVOA_X

ClientSampleId :

VX0812WBSD02

Tot Ion: 43 Resp: 104272

Ion Ratio Lower Upper

43 100

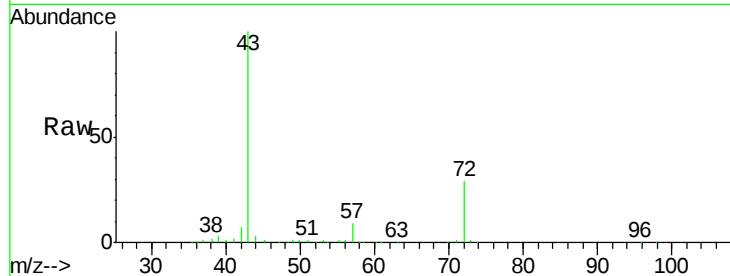
72 28.8 23.2 34.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

40000

30000

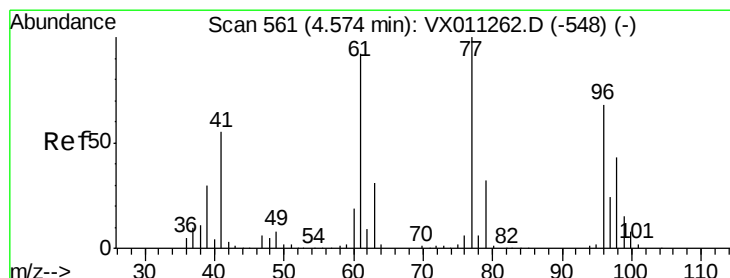
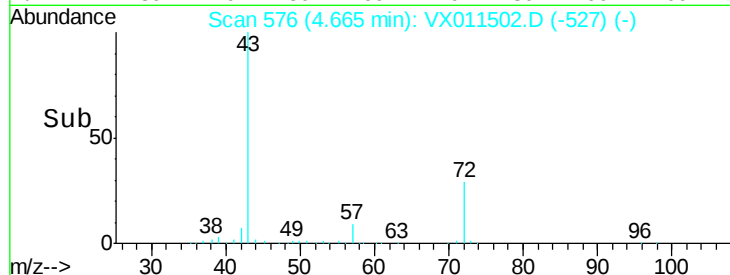
20000

10000

0

4.60 4.70 4.80

Time-->



#26

2,2-Dichloropropane

Concen: 15.538 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.01 min

Lab File: VX011502.D

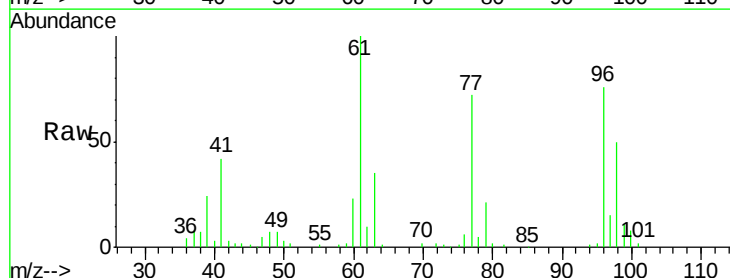
Acq: 12 Aug 2019 23:16

Tgt Ion: 77 Resp: 28879

Ion Ratio Lower Upper

77 100

97 26.3 12.8 38.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0

10000

8000

6000

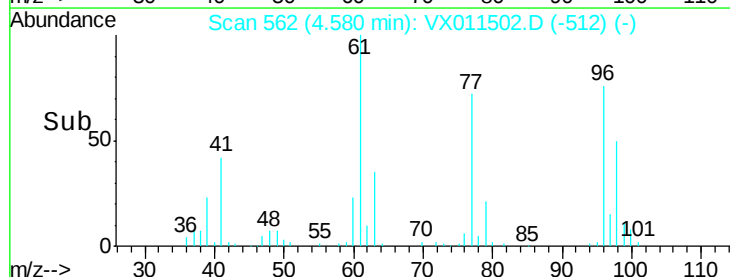
4000

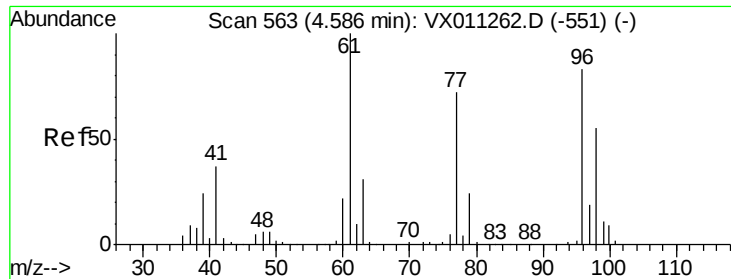
2000

0

4.50 4.60 4.70

Time-->





#27

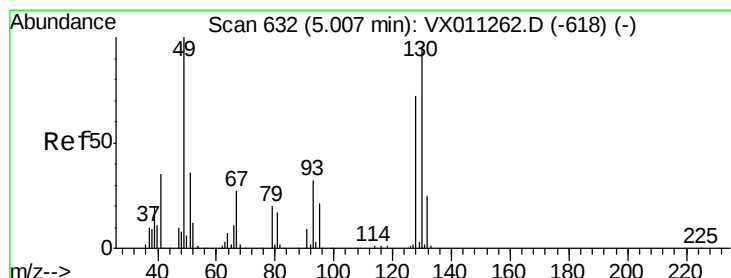
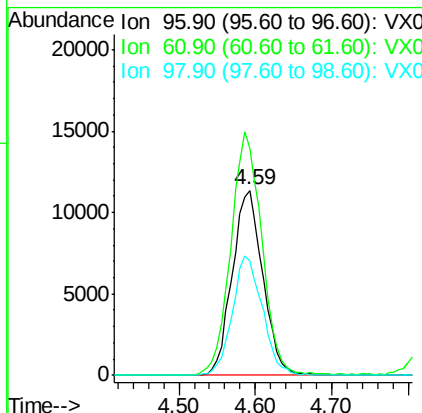
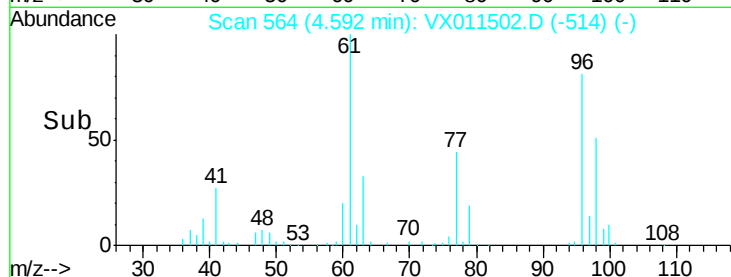
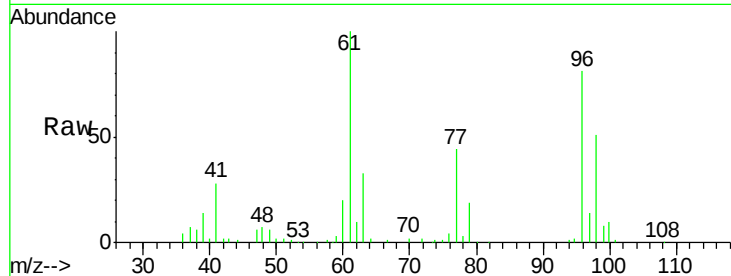
cis-1,2-Dichloroethene
Concen: 18.649 ug/l
RT: 4.59 min Scan# 564
Delta R.T. 0.01 min
Lab File: VX011502.D
Acq: 12 Aug 2019 23:16

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
96	100	31445		
61	133.5	0.0	260.2	
98	63.5	0.0	133.2	

Manual Integrations
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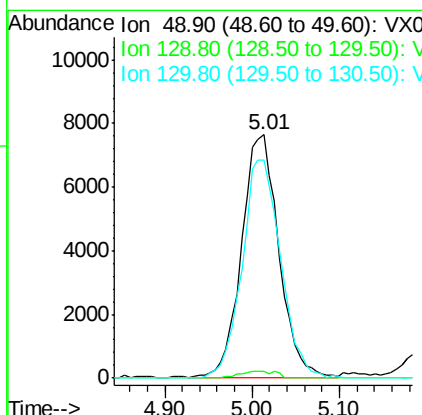
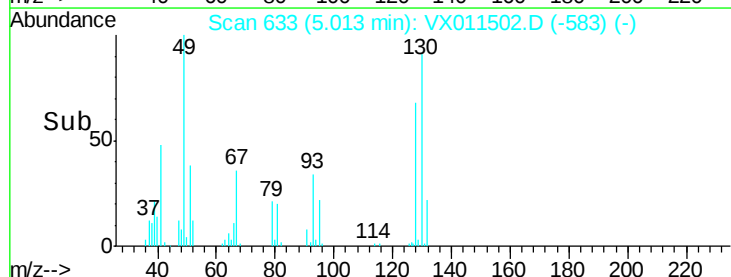
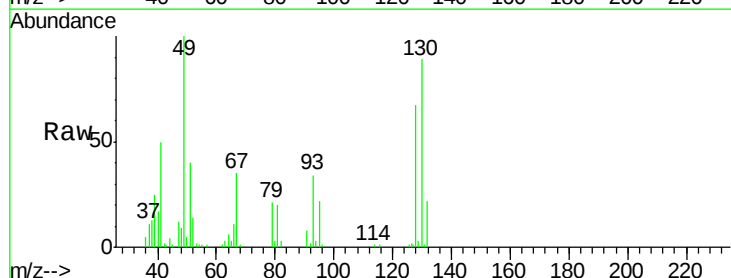
MMDadoda
8/14/2019 9:12:27 AM

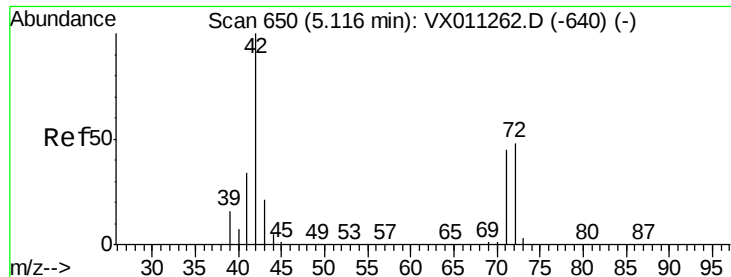


#28

Bromochloromethane
Concen: 20.917 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.01 min
Lab File: VX011502.D
Acq: 12 Aug 2019 23:16

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	22799		
129	2.8	0.0	5.8	
130	92.3	77.9	116.9	





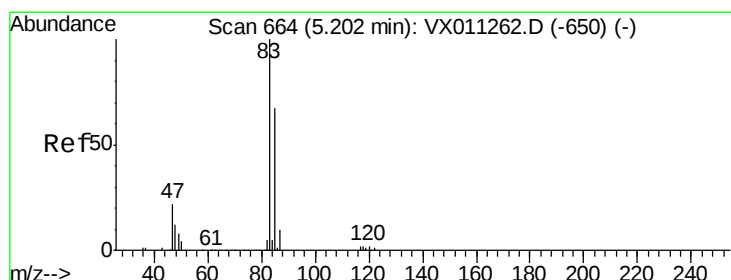
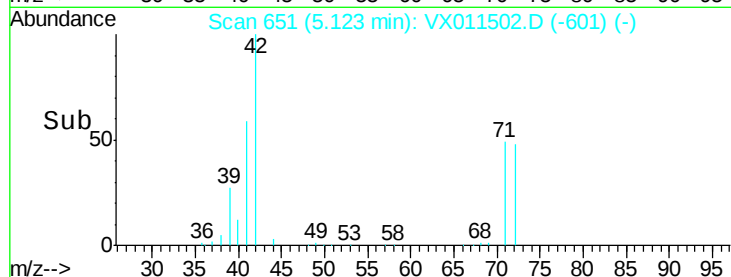
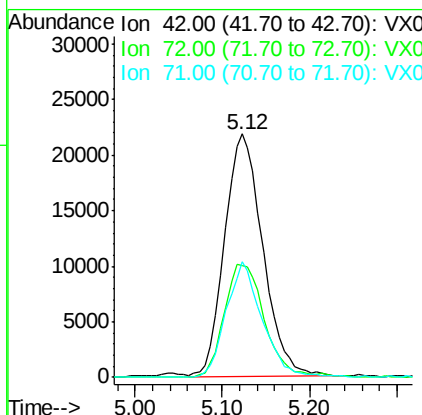
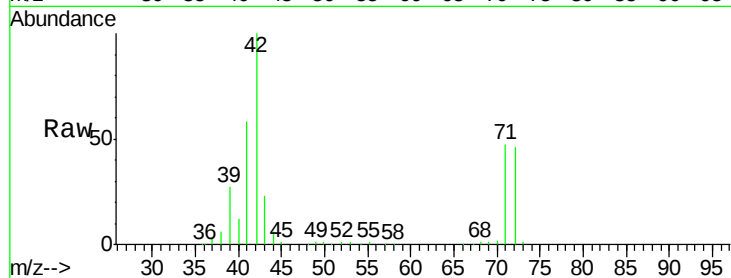
#29
Tetrahydrofuran
Concen: 104.157 ug/l
RT: 5.12 min Scan# 651
Delta R.T. 0.01 min
Lab File: VX011502.D
Acq: 12 Aug 2019 23:16

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD02

Tot Ion:	42	Resp:	66234
Ion	Ratio	Lower	Upper
42	100		
72	49.4	39.9	59.9
71	45.0	36.9	55.3

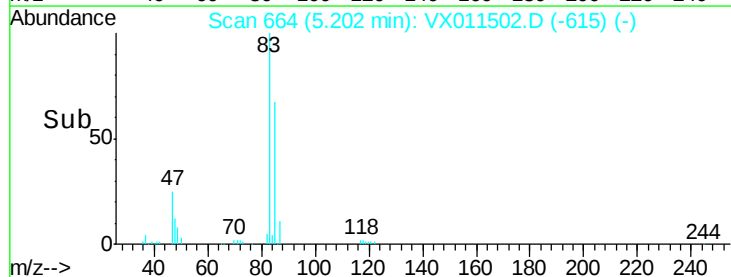
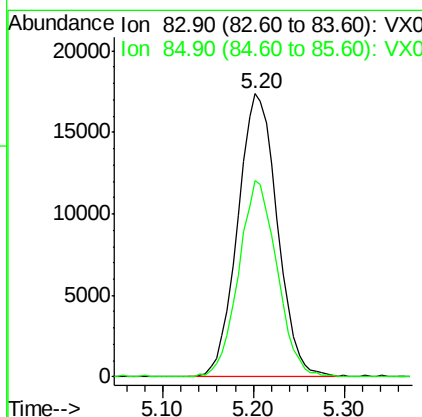
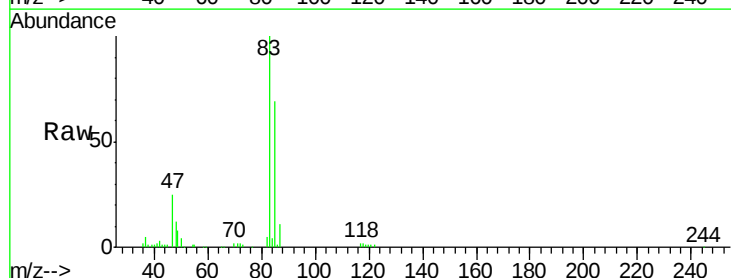
Manual Integrations
APPROVED

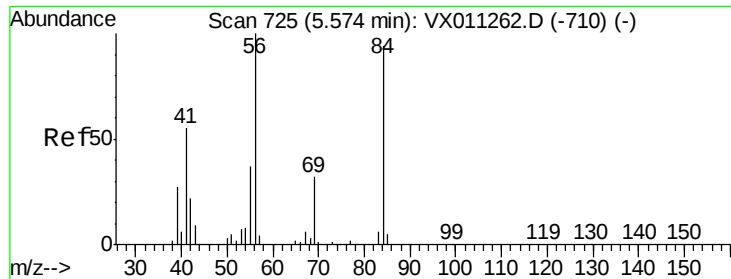
MMDadoda
8/14/2019 9:12:27 AM



#30
Chloroform
Concen: 20.230 ug/l
RT: 5.20 min Scan# 664
Delta R.T. 0.00 min
Lab File: VX011502.D
Acq: 12 Aug 2019 23:16

Tgt Ion:	83	Resp:	52571
Ion	Ratio	Lower	Upper
83	100		
85	69.3	53.4	80.0





#31

Cyclohexane

Concen: 17.360 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX011502.D

Acq: 12 Aug 2019 23:16

Instrument :

MSVOA_X

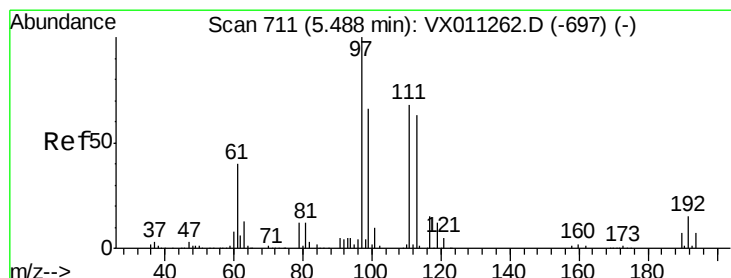
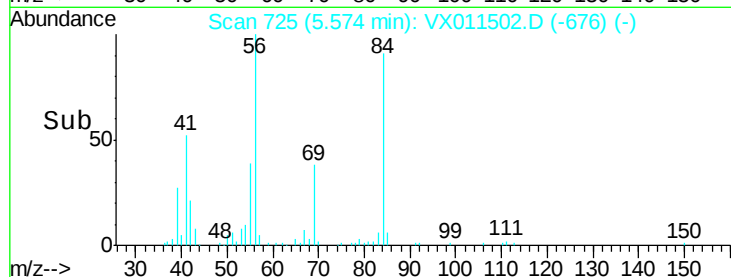
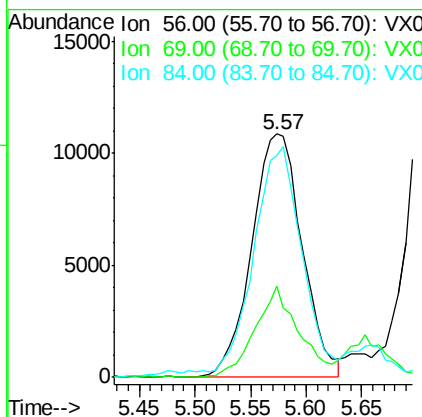
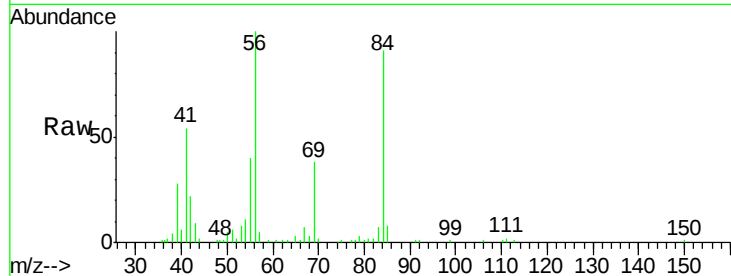
ClientSampleId :

VX0812WBSD02

Tot Ion:	56	Resp:	34244
Ion	Ratio	Lower	Upper
56	100		
69	37.6	25.5	38.3
84	88.1	75.0	112.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.480 ug/l

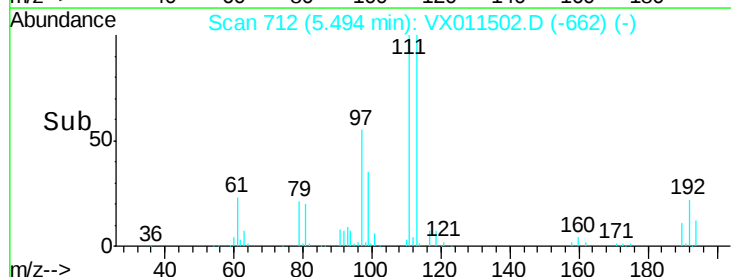
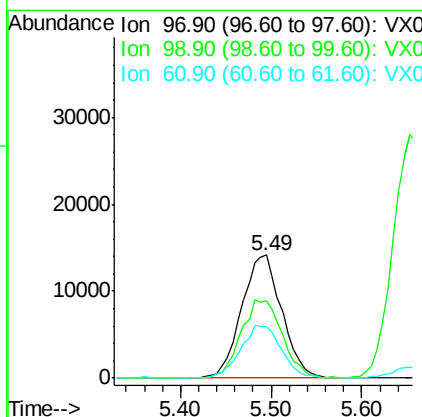
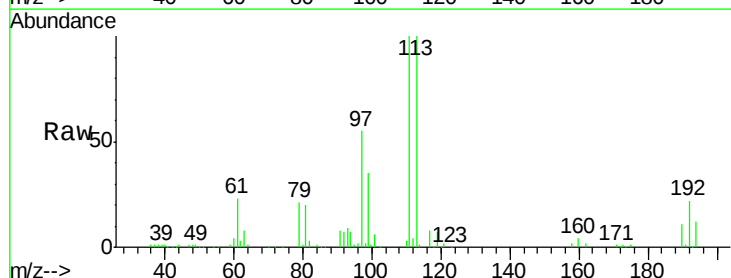
RT: 5.49 min Scan# 712

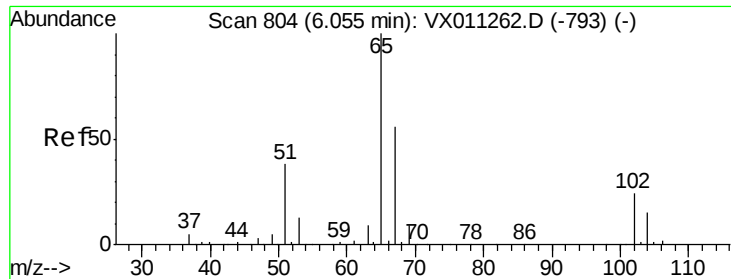
Delta R.T. 0.01 min

Lab File: VX011502.D

Acq: 12 Aug 2019 23:16

Tgt Ion:	97	Resp:	43363
Ion	Ratio	Lower	Upper
97	100		
99	65.7	51.6	77.4
61	43.5	32.3	48.5





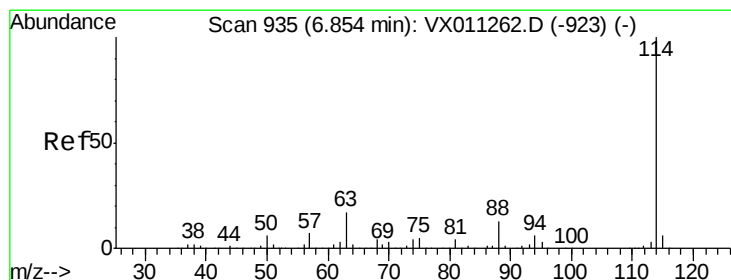
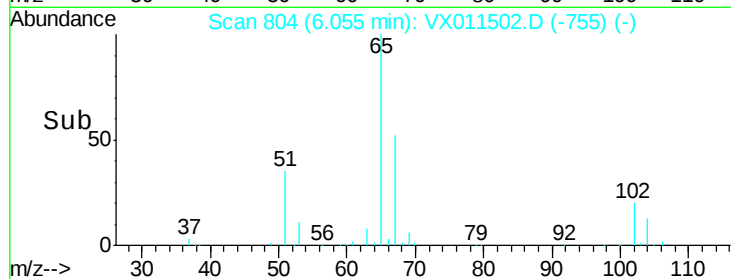
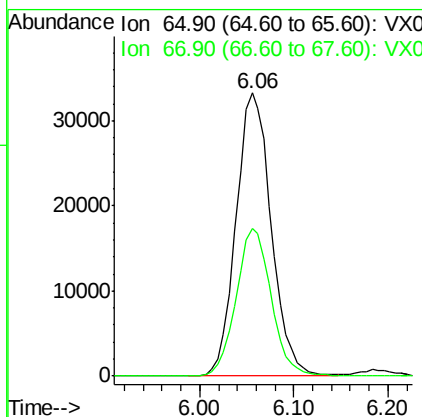
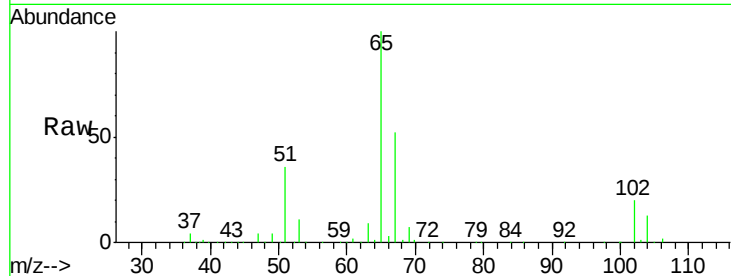
#33
 1,2-Dichloroethane-d4
 Concen: 56.611 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: VX011502.D
 Acq: 12 Aug 2019 23:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0812WBSD02

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	110.6

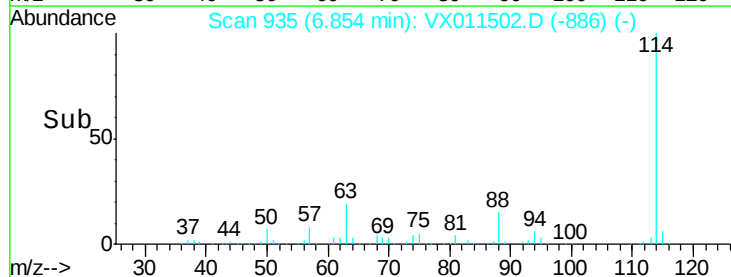
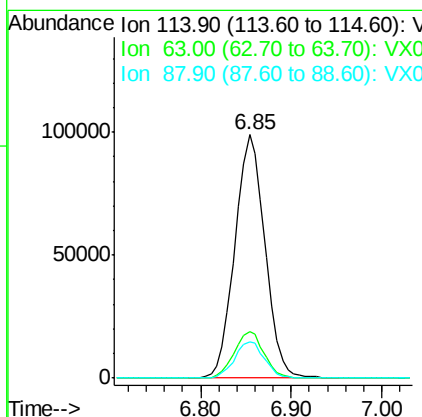
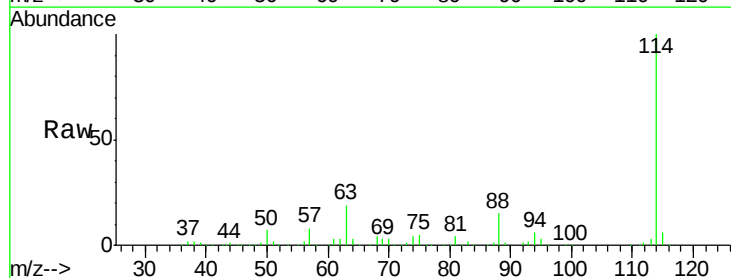
Manual Integrations
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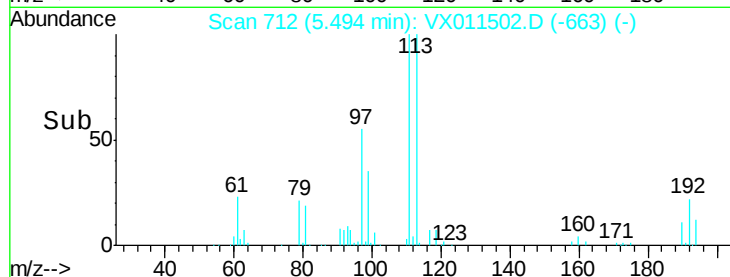
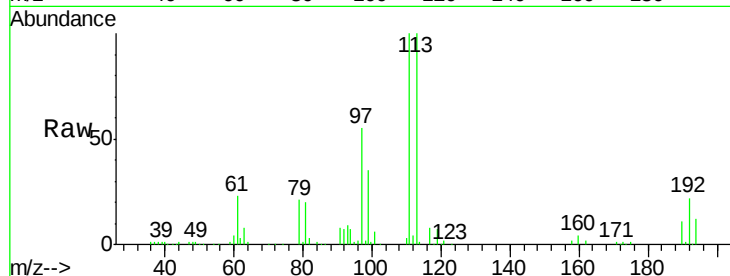
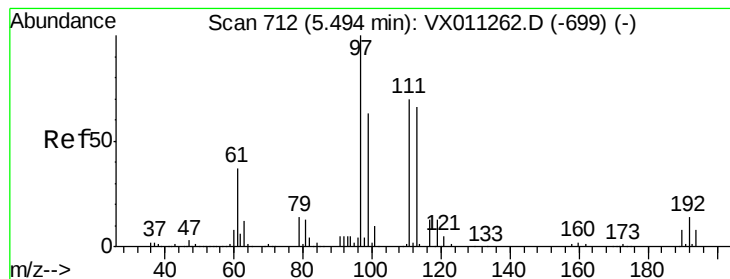
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VX011502.D
 Acq: 12 Aug 2019 23:16

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.0	0.0	34.0
88	14.6	0.0	26.4





#35

Dibromofluoromethane

Concen: 49.596 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX011502.D

Acq: 12 Aug 2019 23:16

Tot Ion:	113	Resp:	73783
Ion	Ratio	Lower	Upper
113	100		
111	103.5	81.9	122.9
192	21.9	17.8	26.8

Instrument :

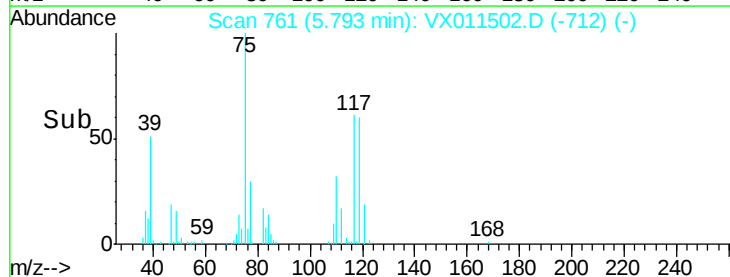
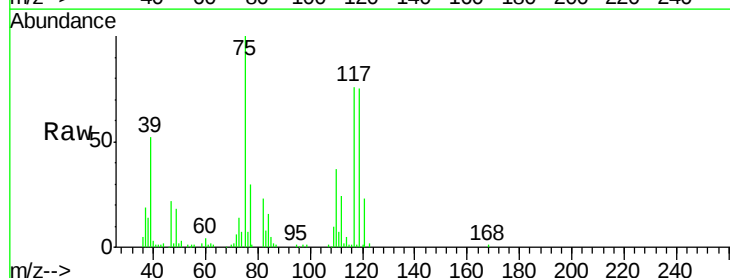
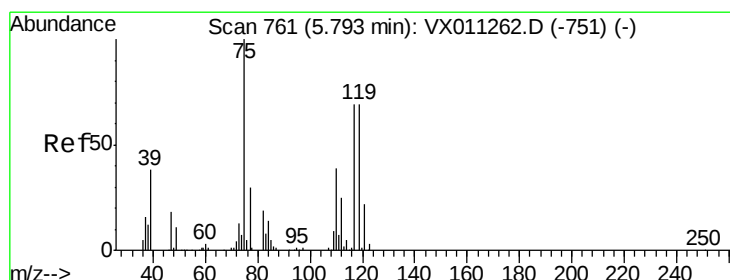
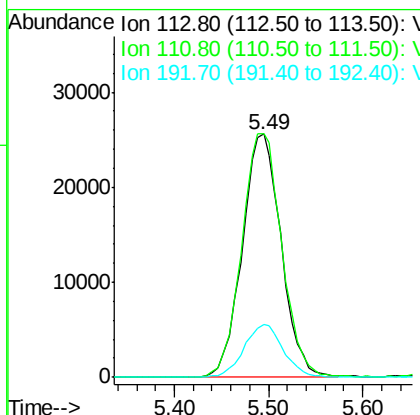
MSVOA_X

ClientSampleId :

VX0812WBSD02

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#36

1,1-Dichloropropene

Concen: 17.654 ug/l

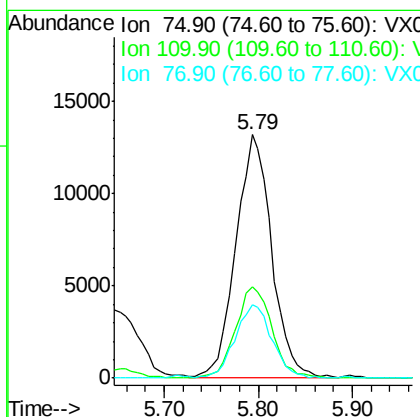
RT: 5.79 min Scan# 761

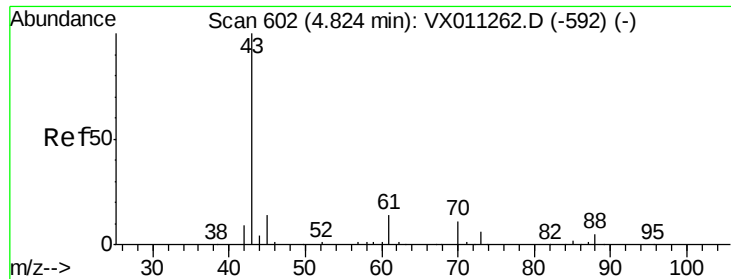
Delta R.T. 0.00 min

Lab File: VX011502.D

Acq: 12 Aug 2019 23:16

Tgt Ion:	75	Resp:	35122
Ion	Ratio	Lower	Upper
75	100		
110	38.0	20.0	59.9
77	31.0	24.8	37.2





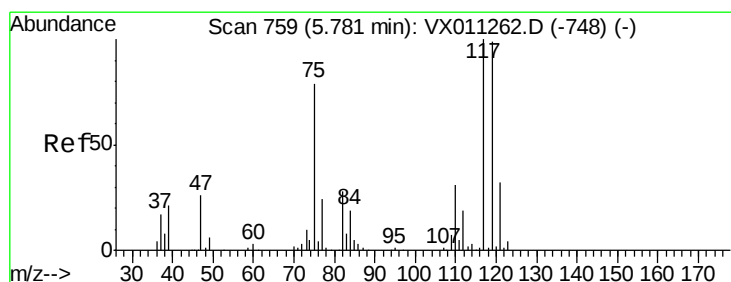
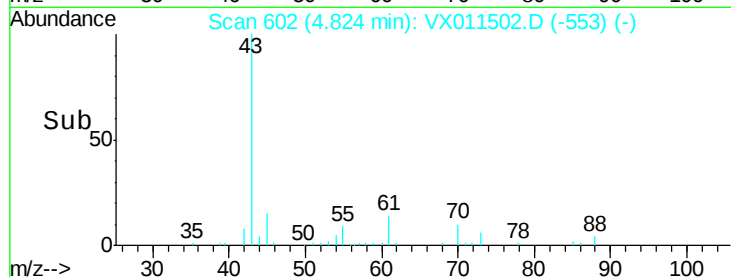
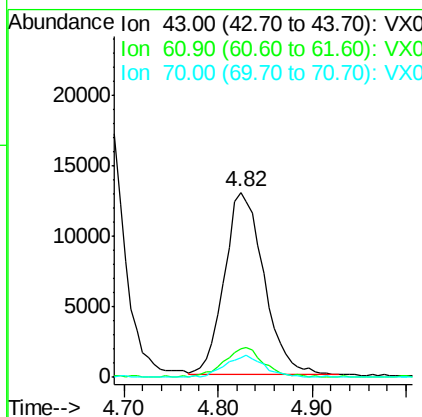
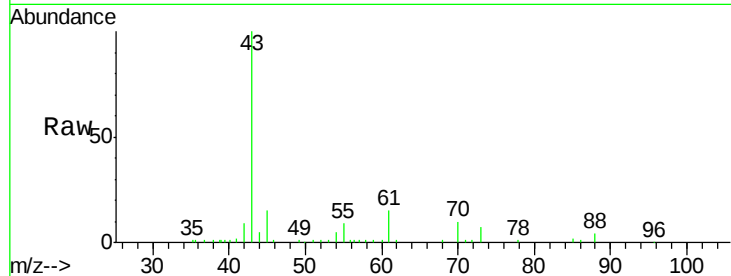
#37
Ethyl Acetate
Concen: 19.014 ug/l
RT: 4.82 min Scan# 602
Delta R.T. 0.00 min
Lab File: VX011502.D
Acq: 12 Aug 2019 23:16

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.5	12.6	18.8
70	11.9	9.1	13.7

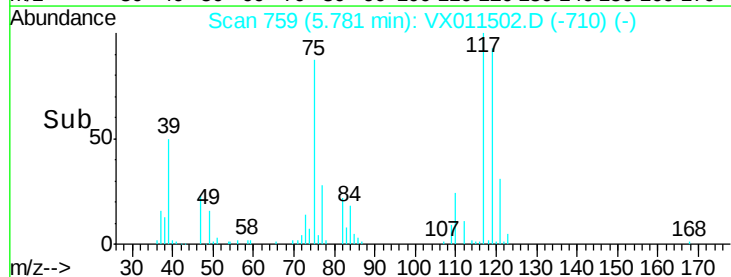
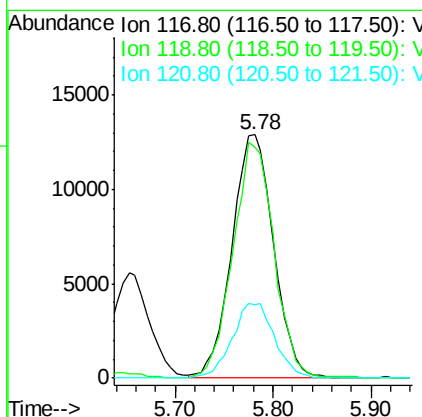
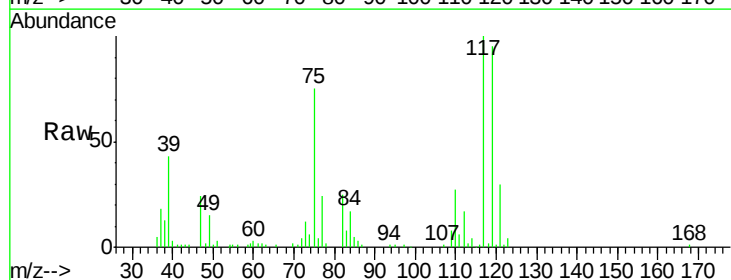
Manual Integrations
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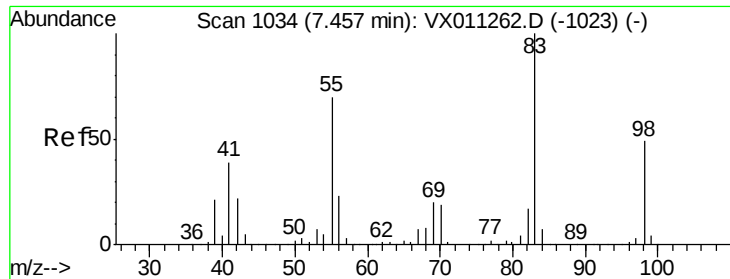
MMDadoda
8/14/2019 9:12:27 AM



#38
Carbon Tetrachloride
Concen: 19.024 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX011502.D
Acq: 12 Aug 2019 23:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.8	79.0	118.4
121	30.4	25.9	38.9





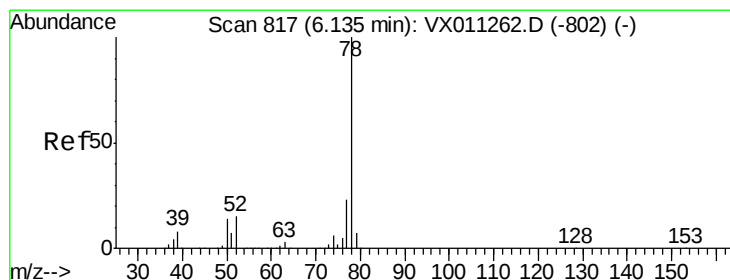
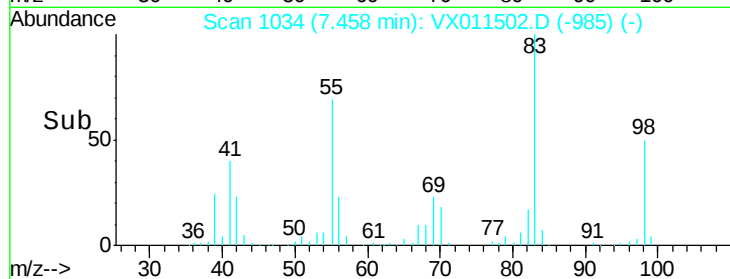
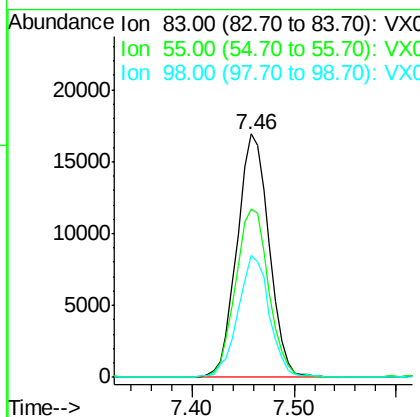
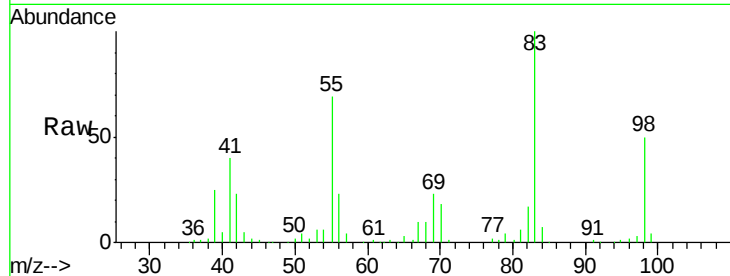
#39
Methvlcvclohexane
Concen: 15.619 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VX011502.D
Acq: 12 Aug 2019 23:16

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	69.0	56.1	84.1	
98	49.9	39.0	58.4	

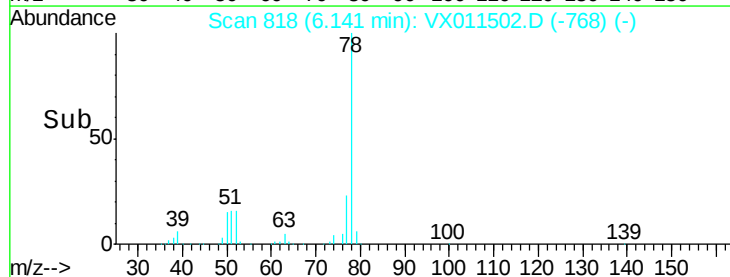
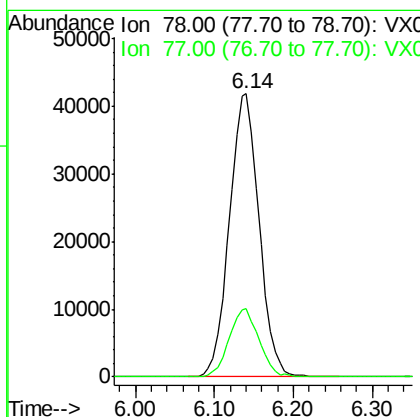
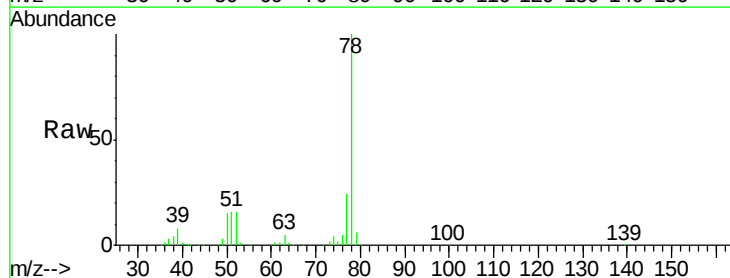
Manual Integrations
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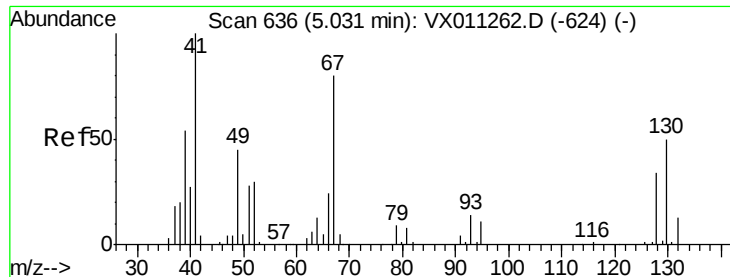
MMDadoda
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#40
Benzene
Concen: 18.426 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.01 min
Lab File: VX011502.D
Acq: 12 Aug 2019 23:16

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.9	18.2	27.2	





#41

Methacrylonitrile

Concen: 20.066 ug/l

RT: 5.04 min Scan# 638

Delta R.T. 0.01 min

Lab File: VX011502.D

Acq: 12 Aug 2019 23:16

Instrument :

MSVOA_X

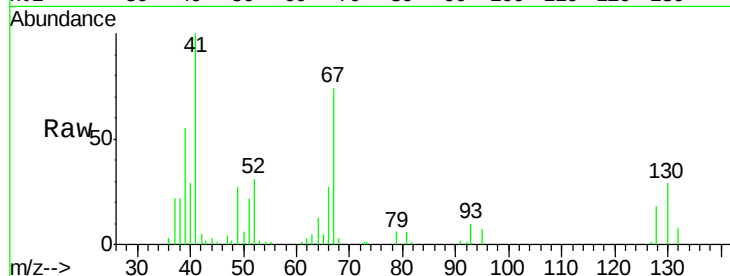
ClientSampleId :

VX0812WBSD02

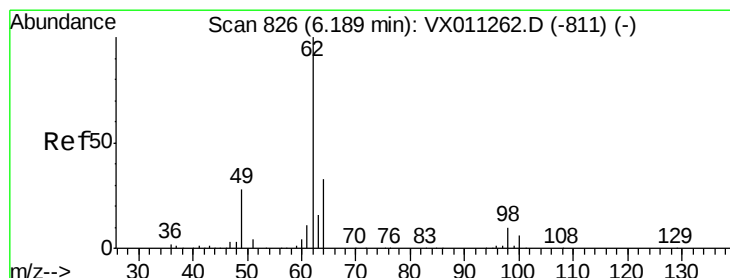
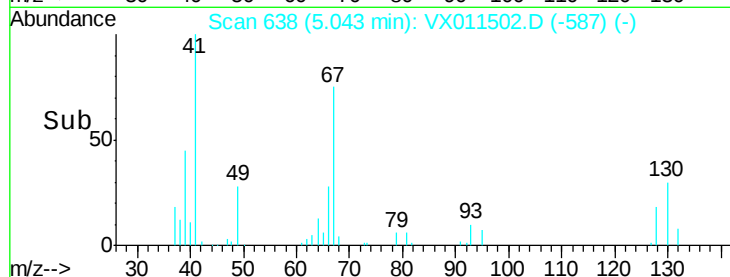
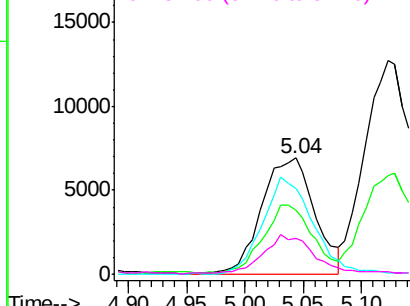
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	54.9	43.0	64.6	
67	78.9	65.1	97.7	
52	33.1	24.8	37.2	

Manual Integrations
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Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 20.799 ug/l

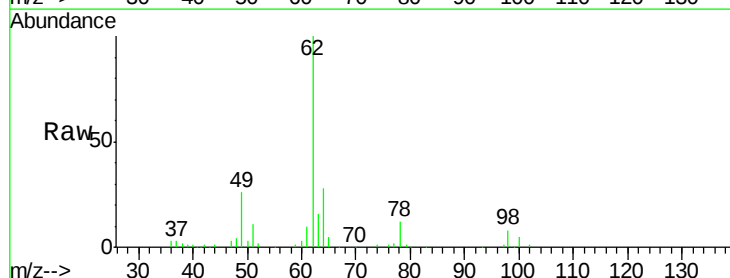
RT: 6.18 min Scan# 825

Delta R.T. -0.01 min

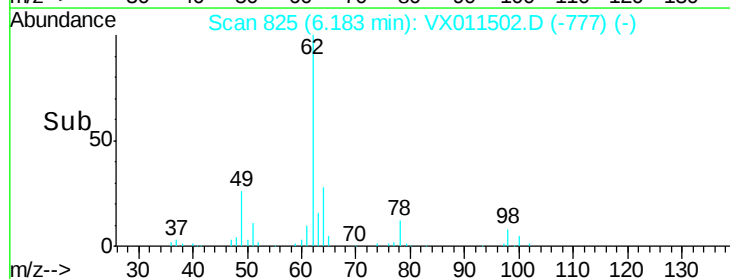
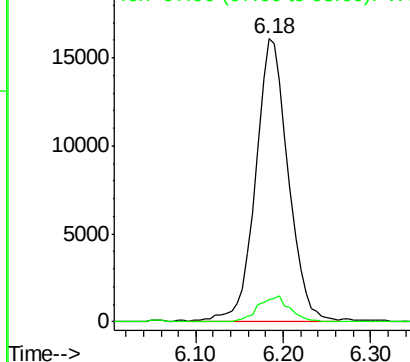
Lab File: VX011502.D

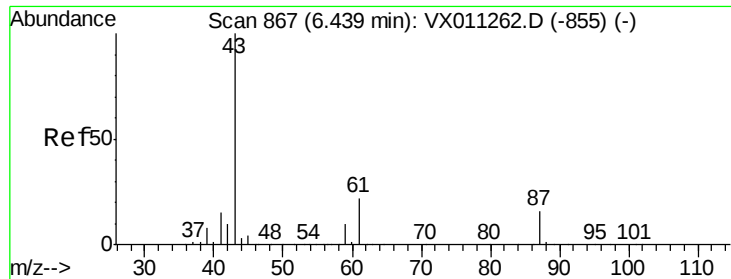
Acq: 12 Aug 2019 23:16

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.9	0.0	20.6	



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





#43

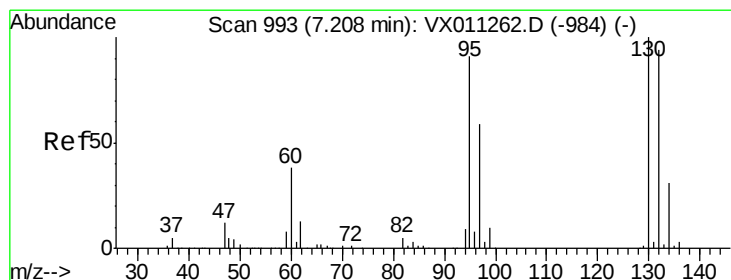
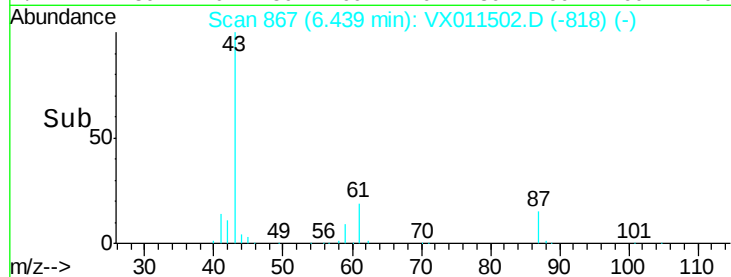
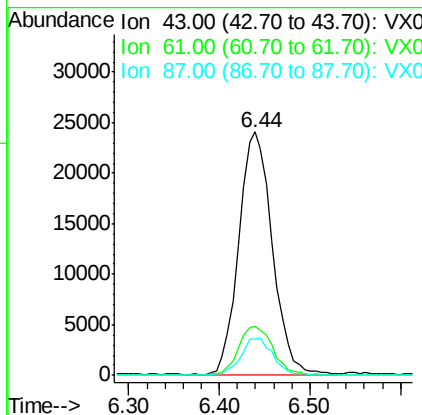
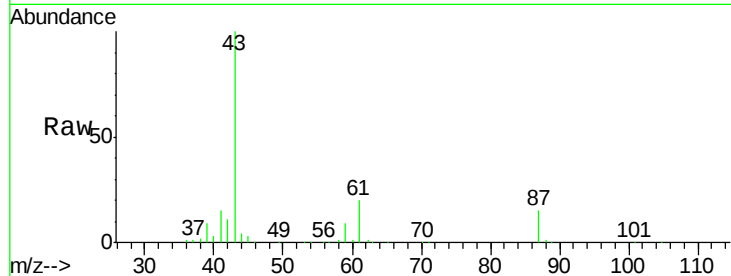
Isopropyl Acetate
 Concen: 19.446 ug/l
 RT: 6.44 min Scan# 867
 Delta R.T. 0.00 min
 Lab File: VX011502.D
 Acq: 12 Aug 2019 23:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0812WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.9	16.5	24.7
87	14.8	12.1	18.1

Manual Integrations
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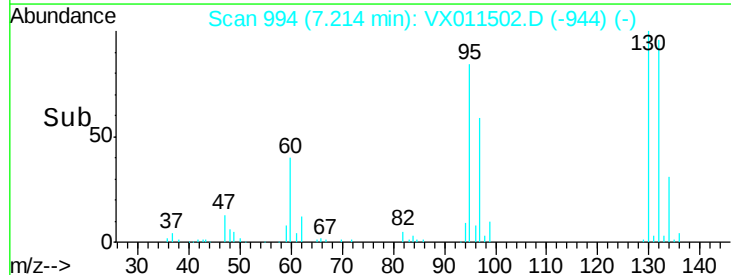
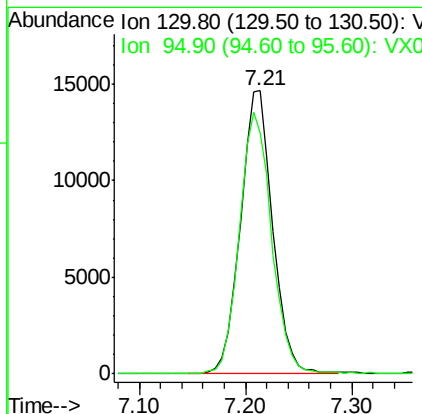
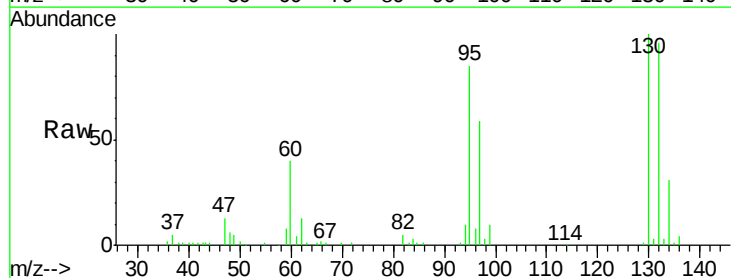
MMDadoda
 8/14/2019 9:12:27 AM

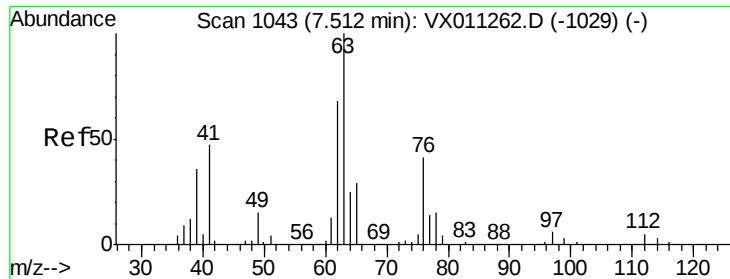


#44

Trichloroethene
 Concen: 17.318 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.01 min
 Lab File: VX011502.D
 Acq: 12 Aug 2019 23:16

Tgt Ion	Ratio	Lower	Upper
130	100		
95	85.0	0.0	182.6





#45

1,2-Dichloropropane

Concen: 18.420 ug/l

RT: 7.51 min Scan# 1042

Delta R.T. -0.01 min

Lab File: VX011502.D

Acq: 12 Aug 2019 23:16

Instrument :

MSVOA_X

ClientSampleId :

VX0812WBSD02

Tot Ion: 63 Resp: 28321

Ion Ratio Lower Upper

63 100

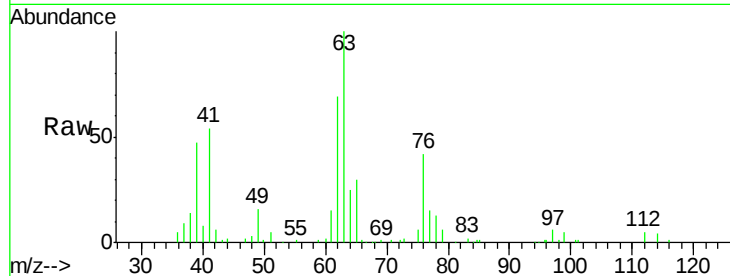
65 29.8 23.3 34.9

Manual Integrations

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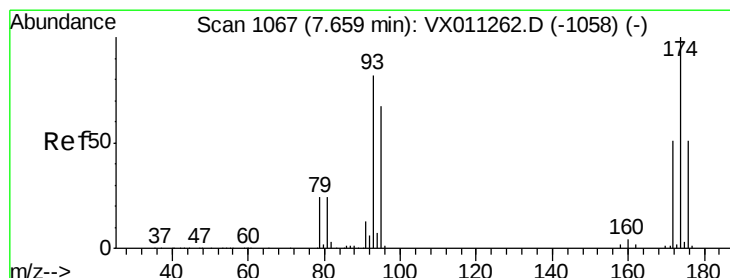
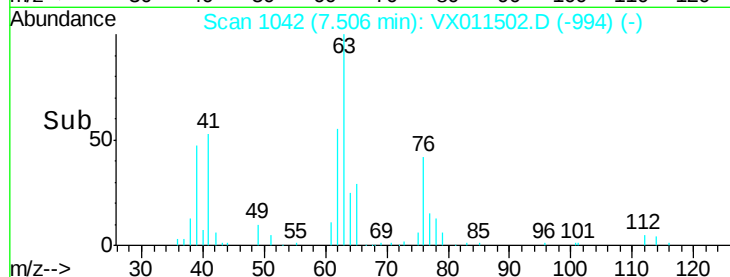
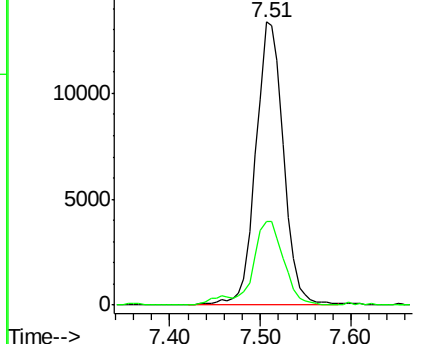
MMDadoda

8/14/2019 9:12:27 AM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 18.730 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX011502.D

Acq: 12 Aug 2019 23:16

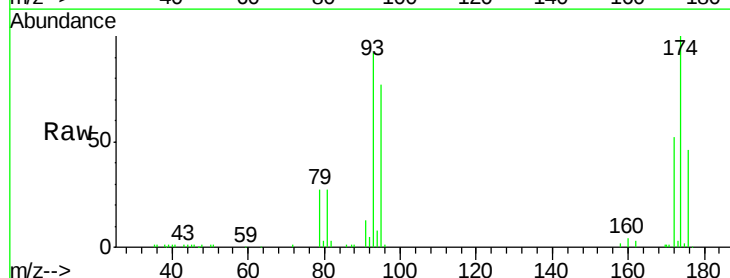
Tgt Ion: 93 Resp: 21023

Ion Ratio Lower Upper

93 100

95 83.7 66.4 99.6

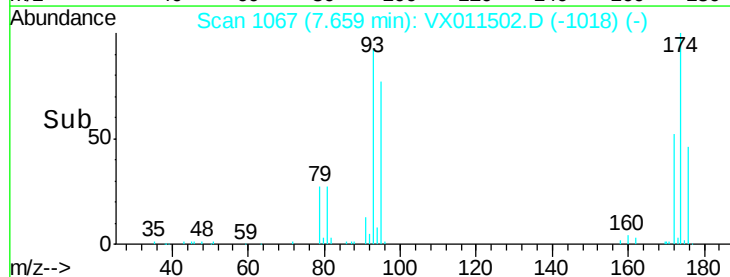
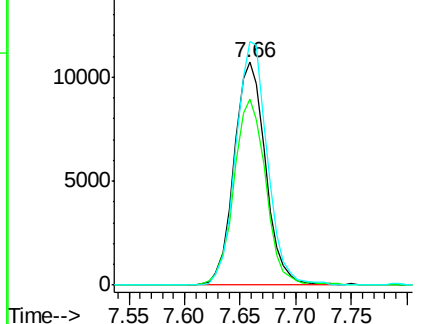
174 109.1 93.4 140.2

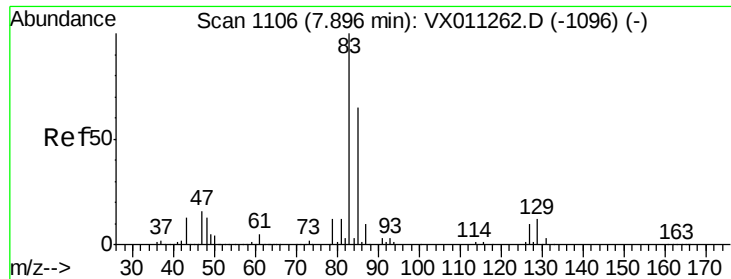


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





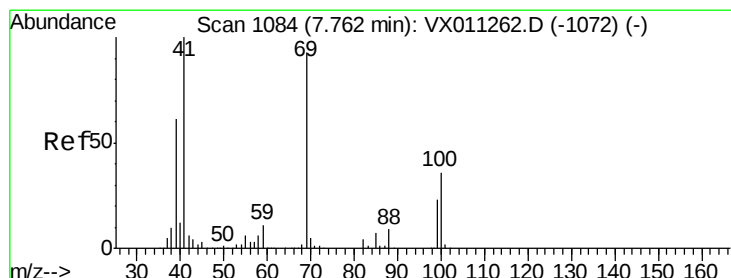
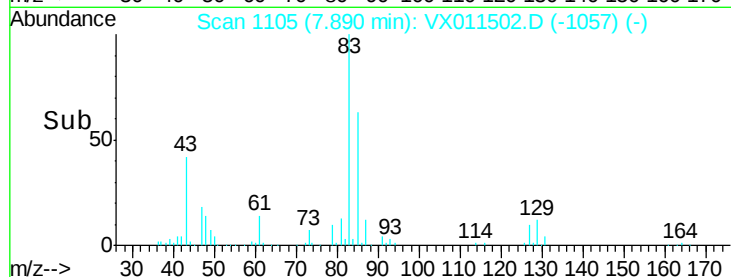
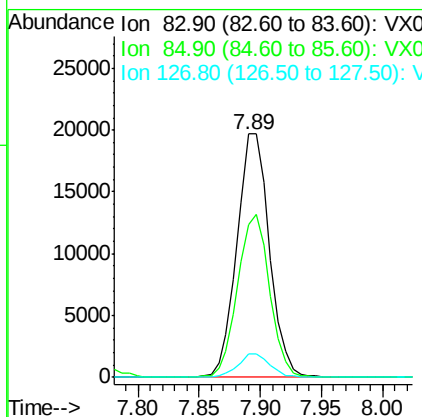
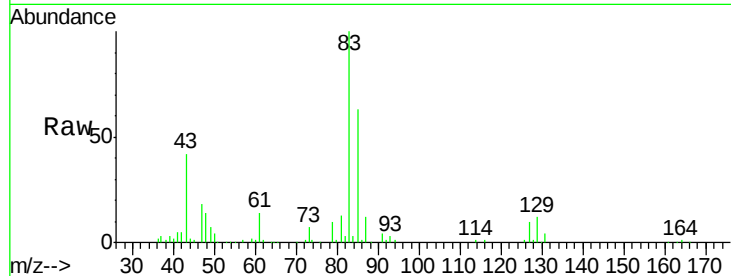
#47
Bromodichloromethane
Concen: 19.135 ug/l
RT: 7.89 min Scan# 1105
Delta R.T. -0.01 min
Lab File: VX011502.D
Acq: 12 Aug 2019 23:16

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
83	100	36363		
85	62.6		52.2	78.2
127	9.8		7.8	11.8

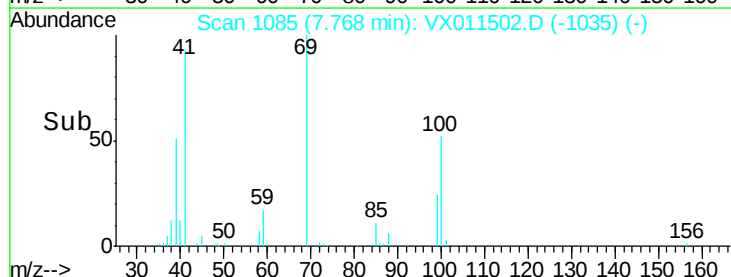
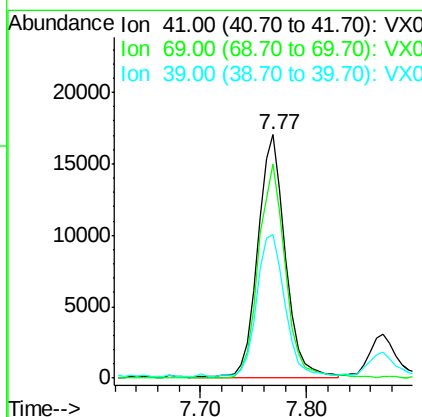
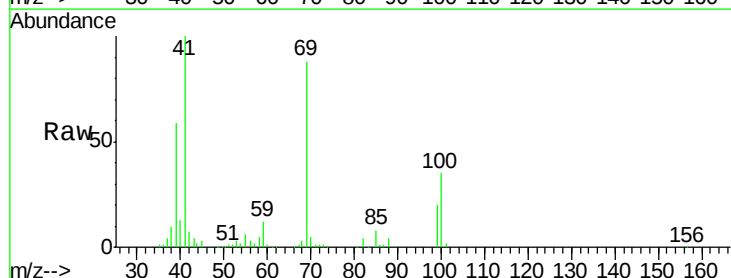
Manual Integrations
APPROVED

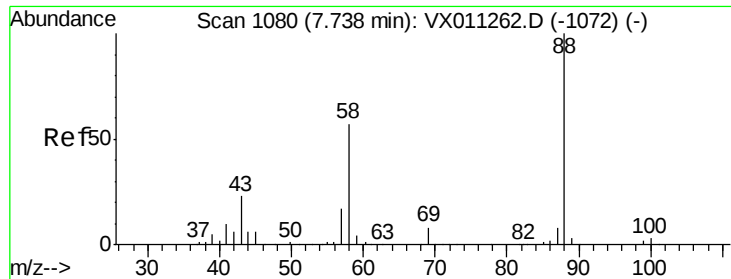
MMDadoda
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#48
Methyl methacrylate
Concen: 20.436 ug/l
RT: 7.77 min Scan# 1085
Delta R.T. 0.01 min
Lab File: VX011502.D
Acq: 12 Aug 2019 23:16

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	30684		
69	86.8		74.5	111.7
39	60.2		48.6	72.8





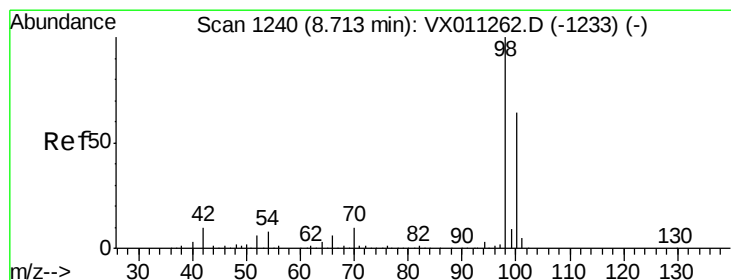
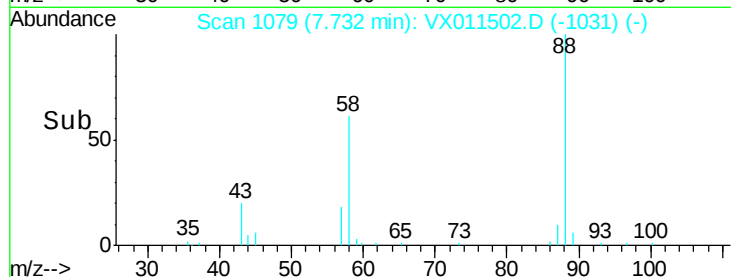
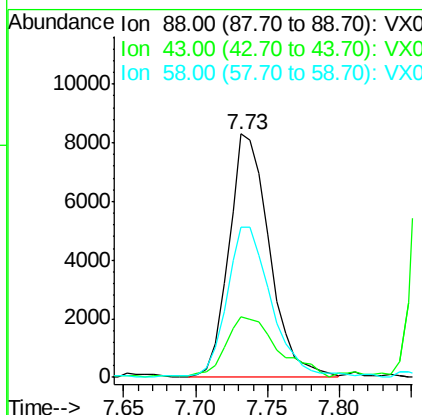
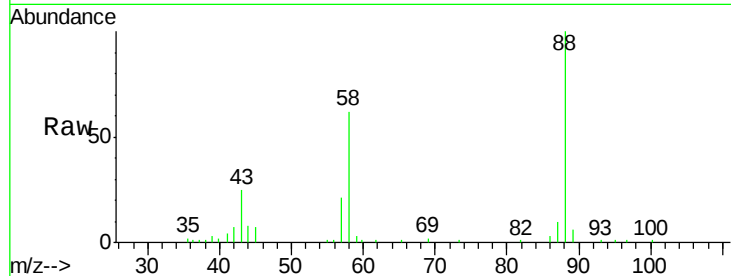
#49
1,4-Dioxane
Concen: 375.057 ug/l
RT: 7.73 min Scan# 1079
Delta R.T. -0.01 min
Lab File: VX011502.D
Acq: 12 Aug 2019 23:16

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD02

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.6	22.2	33.2
58	68.6	47.8	71.8

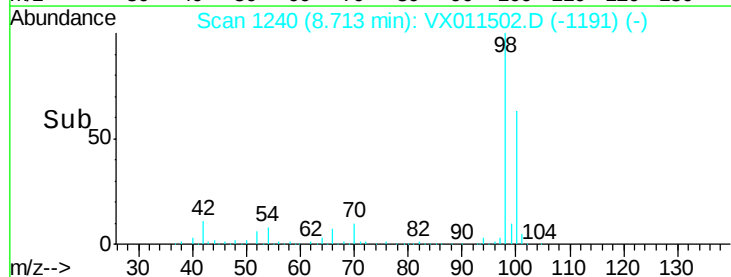
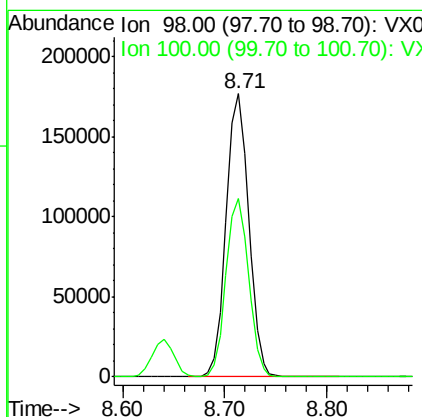
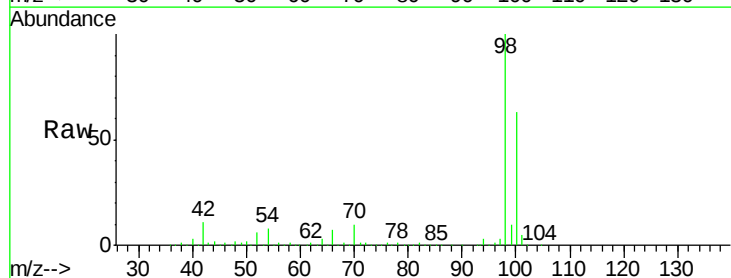
Manual Integrations
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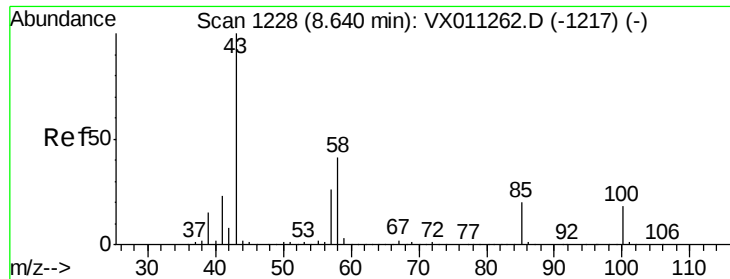
MMDadoda
8/14/2019 9:12:27 AM



#50
Toluene-d8
Concen: 48.601 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX011502.D
Acq: 12 Aug 2019 23:16

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.4	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 103.160 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX011502.D

Acq: 12 Aug 2019 23:16

Instrument :

MSVOA_X

ClientSampleId :

VX0812WBSD02

Tot Ion: 43 Resp: 212409

Ion Ratio Lower Upper

43 100

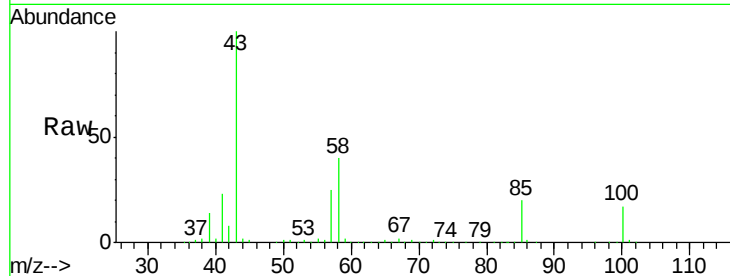
58 40.4 32.3 48.5

Manual Integrations

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MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

150000

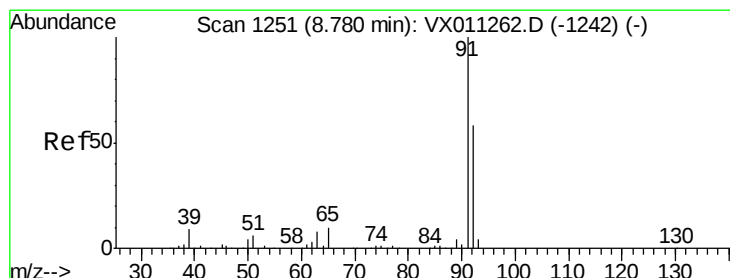
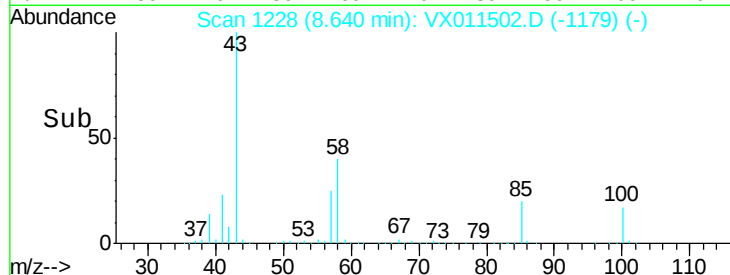
100000

50000

0

8.55 8.60 8.65 8.70

Time-->



#52

Toluene

Concen: 18.348 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VX011502.D

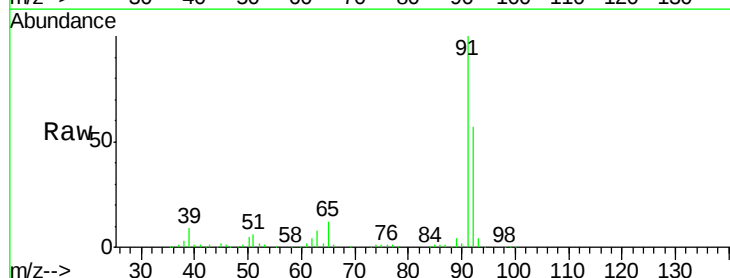
Acq: 12 Aug 2019 23:16

Tgt Ion: 92 Resp: 72021

Ion Ratio Lower Upper

92 100

91 173.7 139.4 209.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

80000

60000

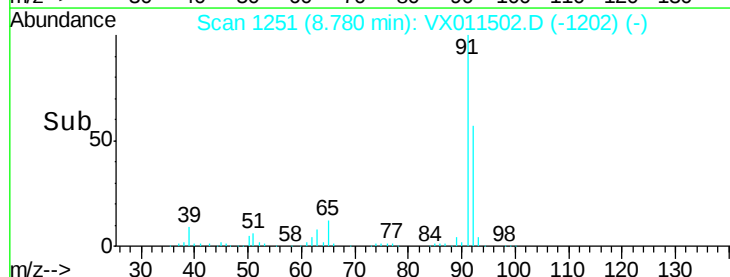
40000

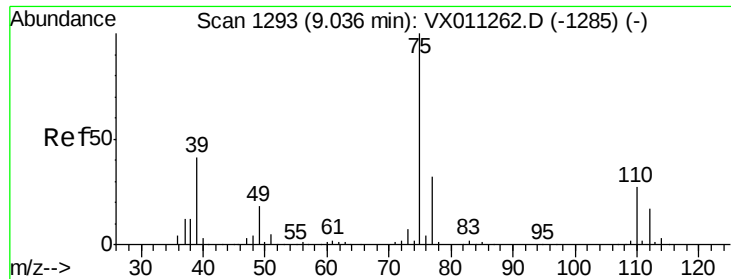
20000

0

8.70 8.75 8.80 8.85 8.90

Time-->





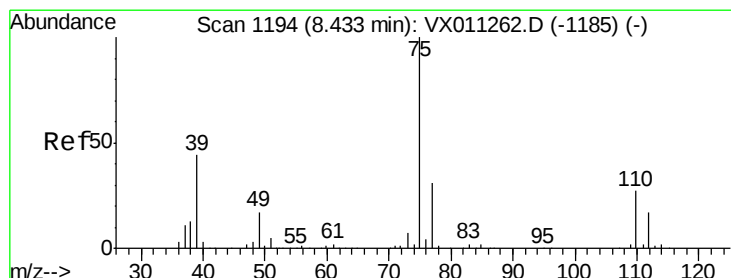
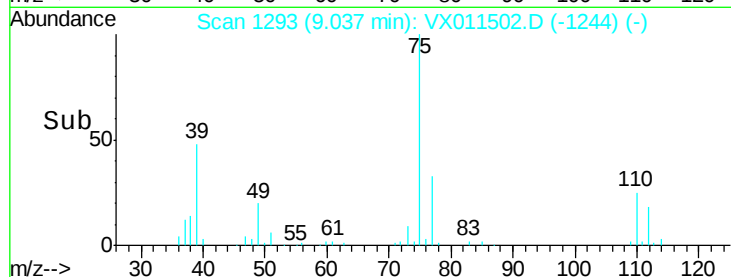
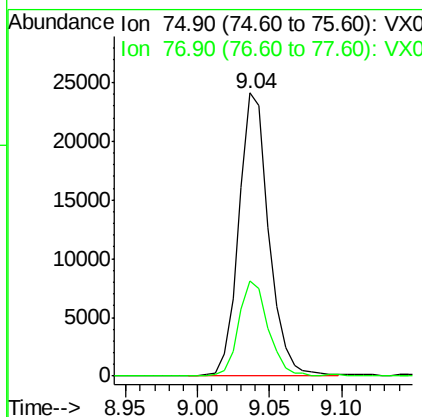
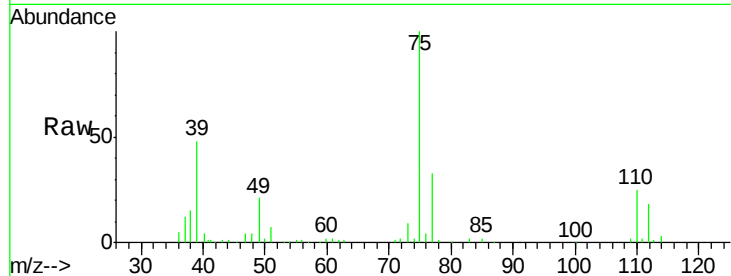
#53
t-1,3-Dichloropropene
Concen: 17.719 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VX011502.D
Acq: 12 Aug 2019 23:16

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD02

Tot Ion: 75 Resp: 34914
Ion Ratio Lower Upper
75 100
77 33.5 25.4 38.0

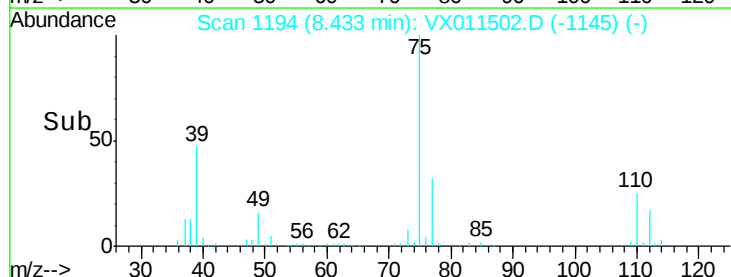
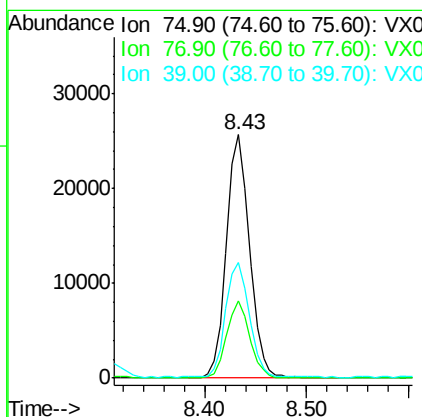
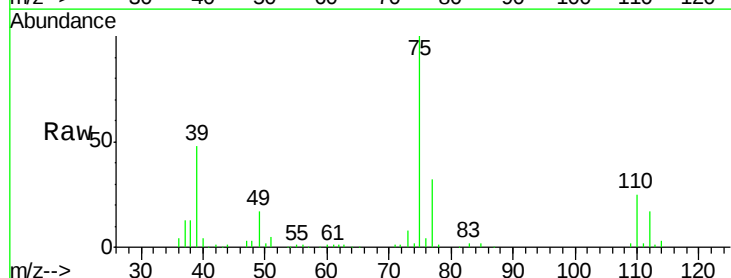
Manual Integrations
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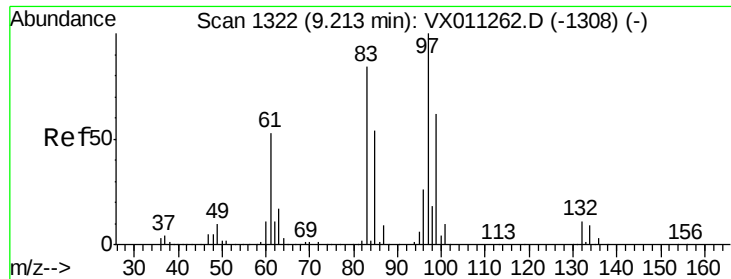
MMDadoda
8/14/2019 9:12:27 AM



#54
cis-1,3-Dichloropropene
Concen: 18.212 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX011502.D
Acq: 12 Aug 2019 23:16

Tgt Ion: 75 Resp: 40427
Ion Ratio Lower Upper
75 100
77 31.5 25.0 37.6
39 47.2 35.3 52.9





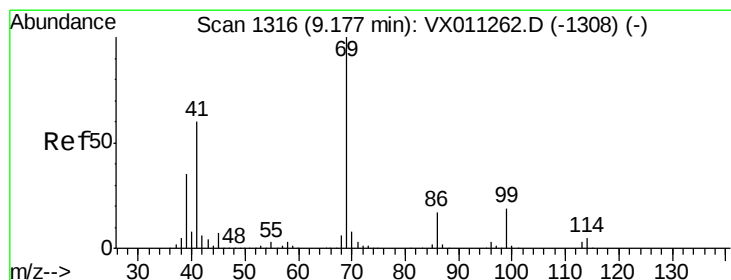
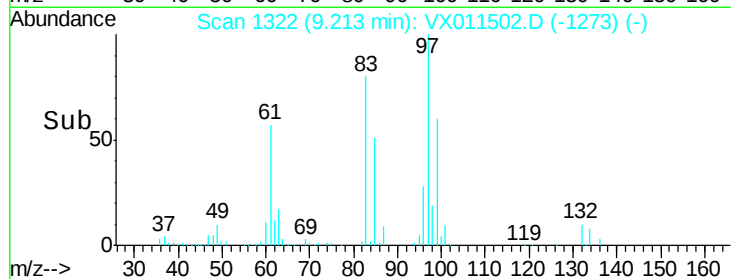
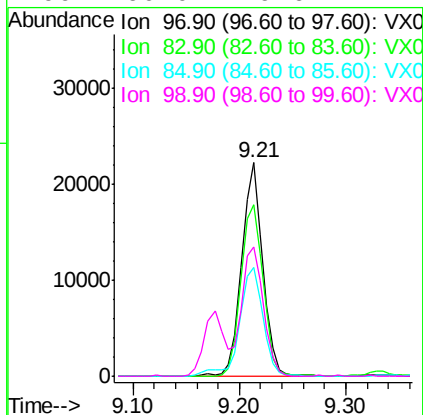
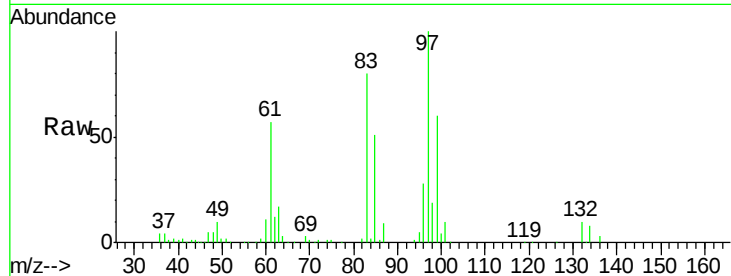
#55
 1,1,2-Trichloroethane
 Concen: 19.311 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX011502.D
 Acq: 12 Aug 2019 23:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0812WBSD02

Tot Ion:	97	Resp:	31165
Ion	Ratio	Lower	Upper
97	100		
83	80.5	67.6	101.4
85	50.9	43.4	65.0
99	60.0	49.6	74.4

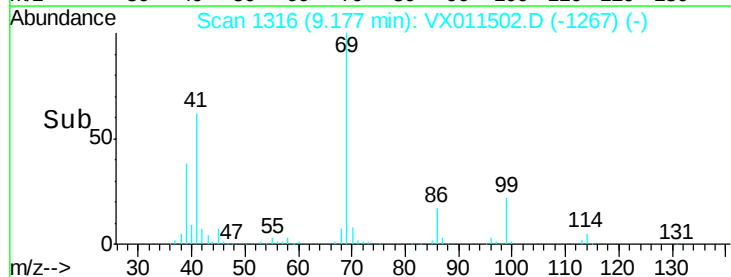
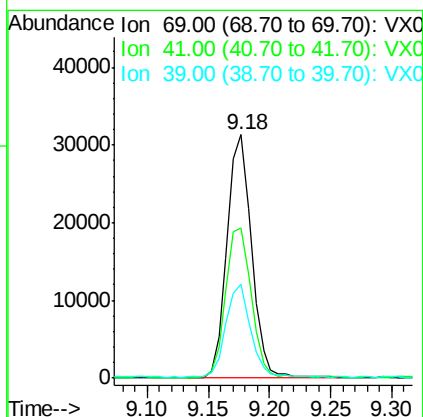
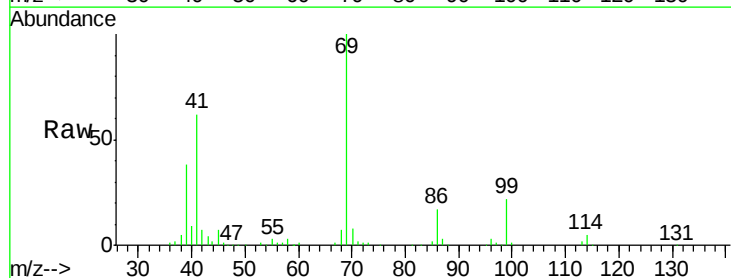
Manual Integrations
 APPROVED

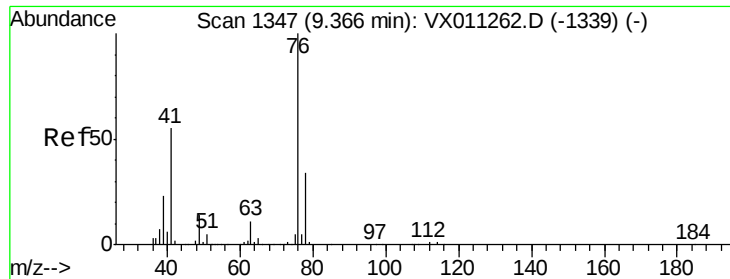
MMDadoda
 8/14/2019 9:12:27 AM



#56
 Ethyl methacrylate
 Concen: 19.021 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX011502.D
 Acq: 12 Aug 2019 23:16

Tgt Ion:	69	Resp:	43745
Ion	Ratio	Lower	Upper
69	100		
41	65.1	48.6	73.0
39	38.8	29.4	44.2





#57

1,3-Dichloropropane

Concen: 19.247 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. 0.00 min

Lab File: VX011502.D

Acq: 12 Aug 2019 23:16

Instrument :

MSVOA_X

ClientSampleId :

VX0812WBSD02

Tot Ion: 76 Resp: 49124

Ion Ratio Lower Upper

76 100

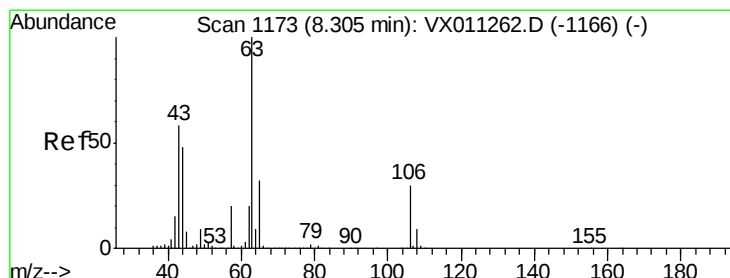
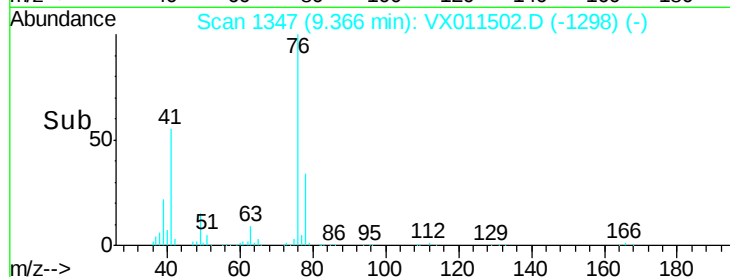
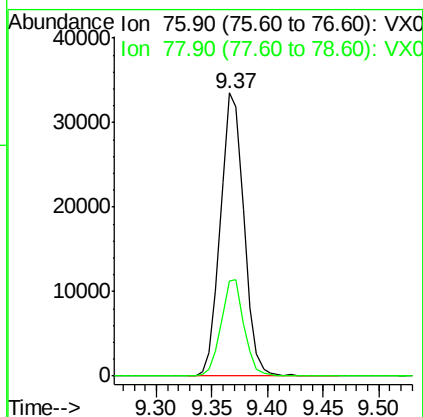
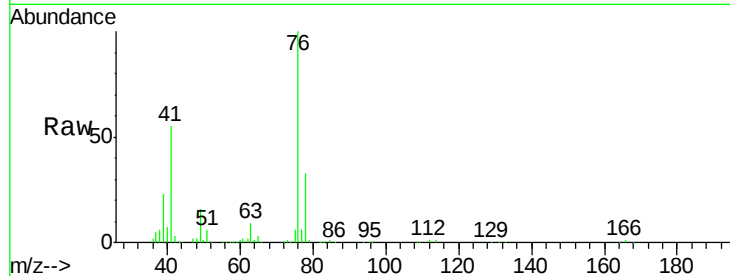
78 33.2 26.6 40.0

Manual Integrations

APPROVED

MMDadoda

8/14/2019 9:12:27 AM



#58

2-Chloroethyl Vinyl ether

Concen: 93.387 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.01 min

Lab File: VX011502.D

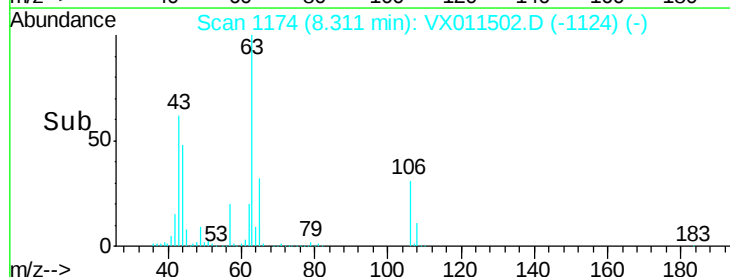
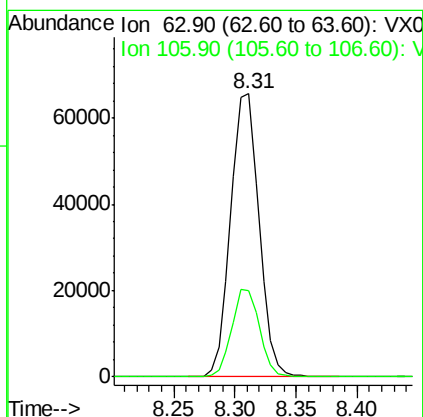
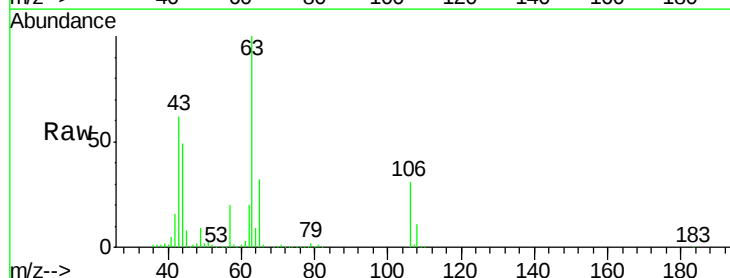
Acq: 12 Aug 2019 23:16

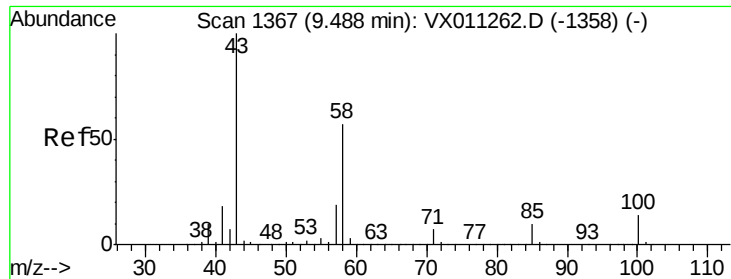
Tgt Ion: 63 Resp: 105604

Ion Ratio Lower Upper

63 100

106 30.2 24.4 36.6





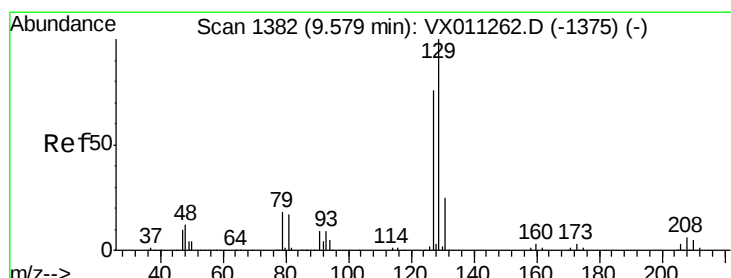
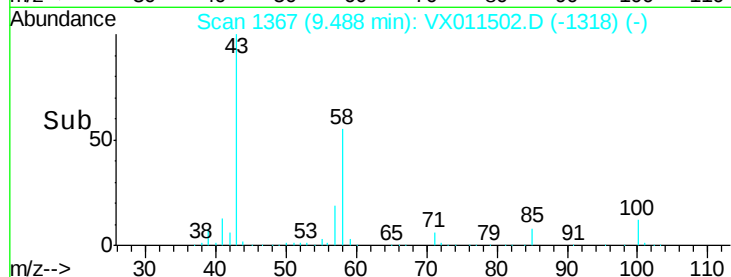
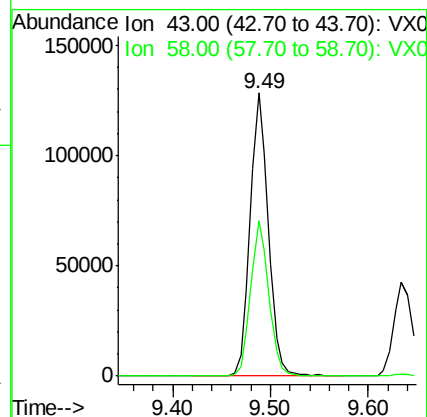
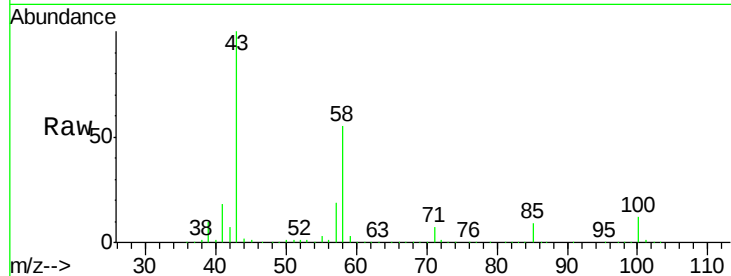
#59
2-Hexanone
Concen: 104.344 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX011502.D
Acq: 12 Aug 2019 23:16

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD02

Tot Ion: 43 Resp: 166413
Ion Ratio Lower Upper
43 100
58 54.8 28.2 84.6

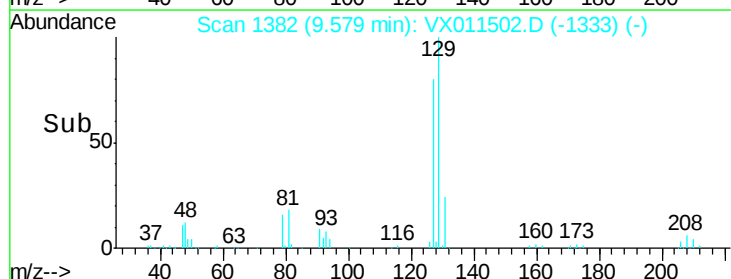
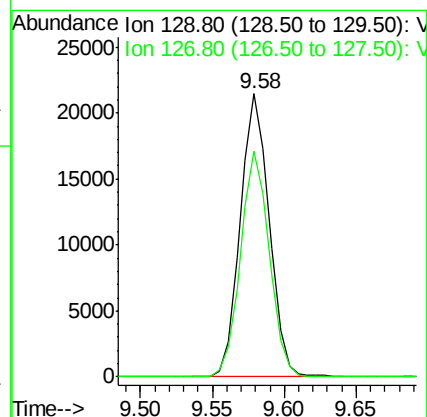
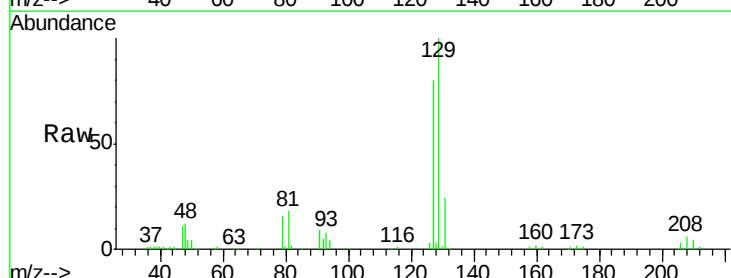
Manual Integrations
APPROVED

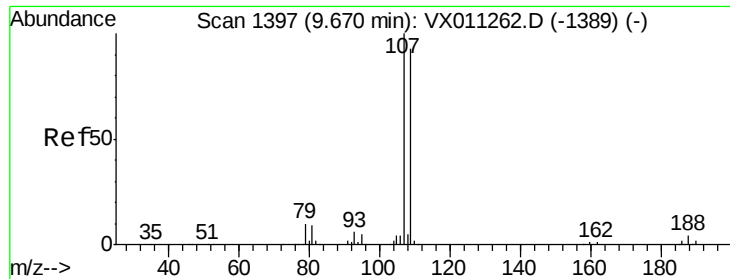
MMDadoda
8/14/2019 9:12:27 AM



#60
Dibromochloromethane
Concen: 18.160 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX011502.D
Acq: 12 Aug 2019 23:16

Tgt Ion:129 Resp: 30006
Ion Ratio Lower Upper
129 100
127 79.0 39.2 117.6





#61

1,2-Dibromoethane

Concen: 18.630 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX011502.D

Acq: 12 Aug 2019 23:16

Instrument :

MSVOA_X

ClientSampleId :

VX0812WBSD02

Tot Ion:107 Resp: 32483

Ion Ratio Lower Upper

107 100

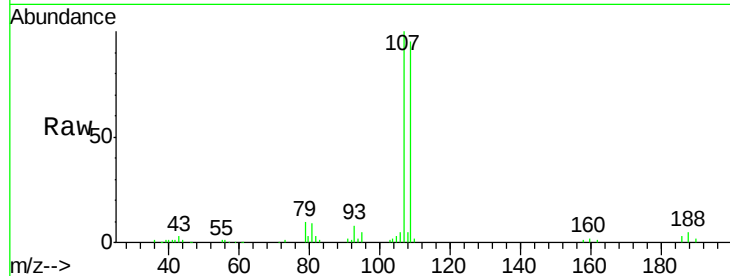
109 96.0 76.6 114.8

Manual Integrations

APPROVED

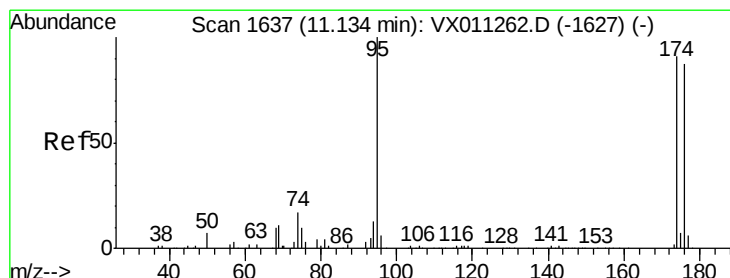
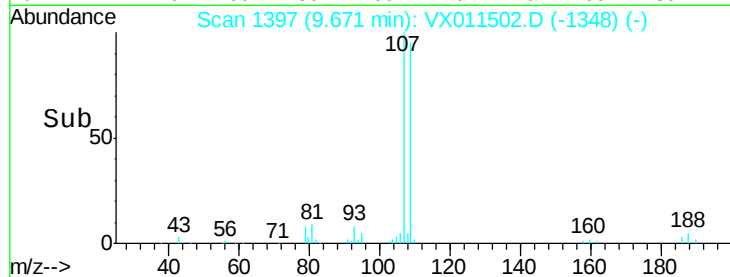
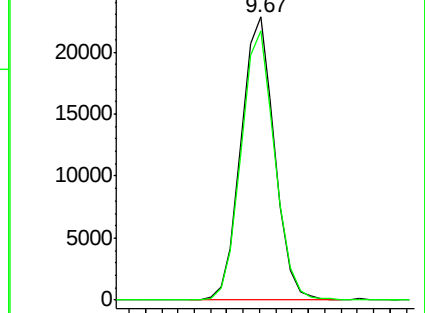
MMDadoda

8/14/2019 9:12:27 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.514 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011502.D

Acq: 12 Aug 2019 23:16

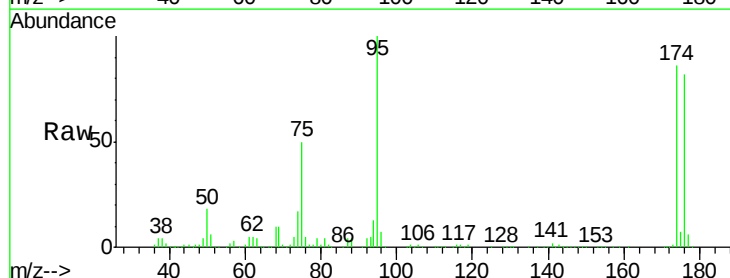
Tgt Ion: 95 Resp: 99271

Ion Ratio Lower Upper

95 100

174 91.3 0.0 191.2

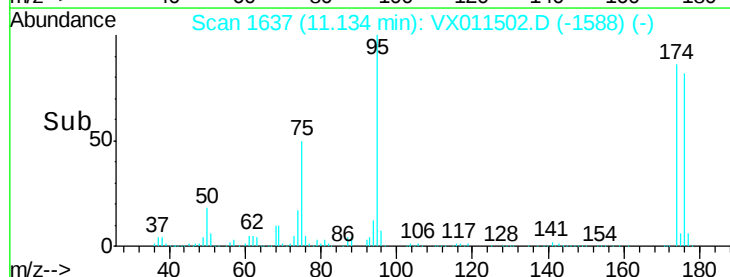
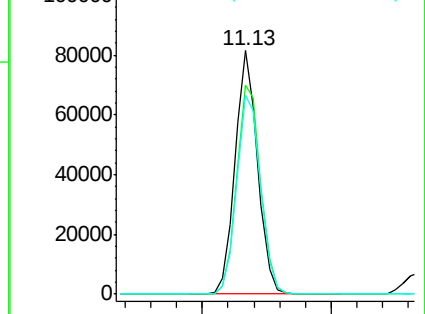
176 86.7 0.0 184.8

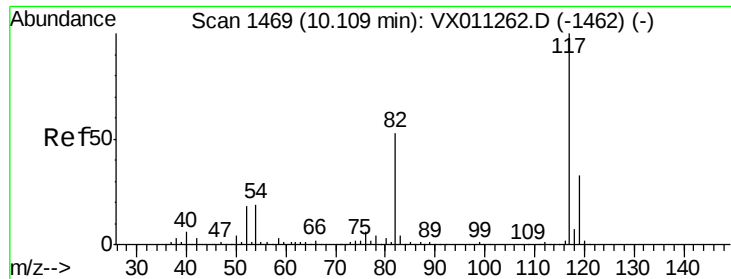


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





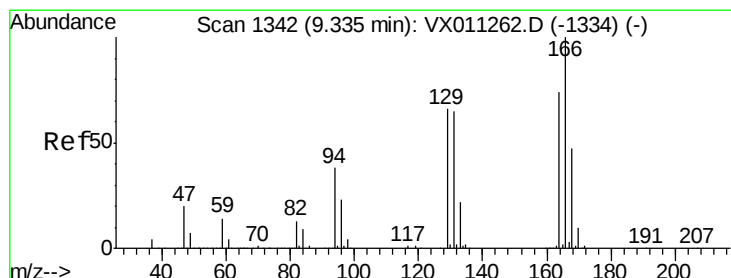
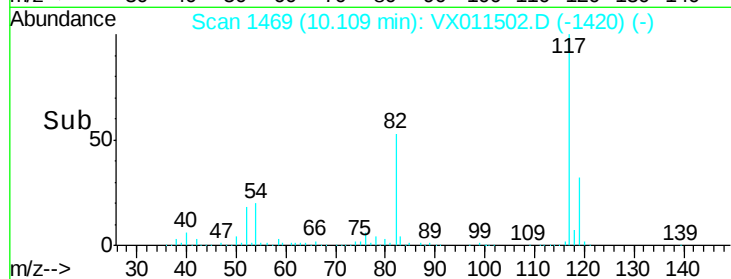
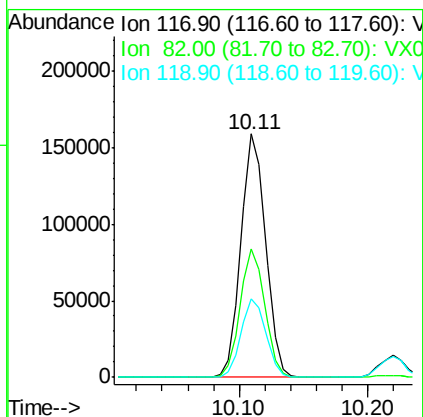
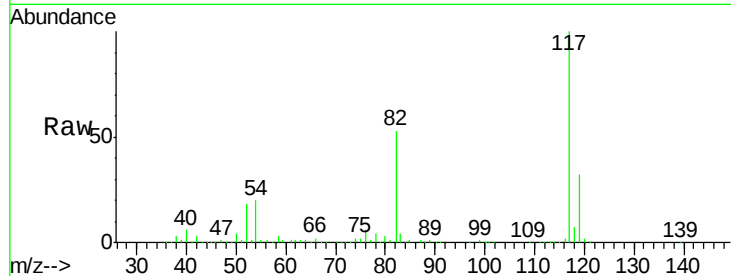
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011502.D
Acq: 12 Aug 2019 23:16

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	211321		
82	53.0	42.2	63.2	
119	32.2	26.6	39.8	

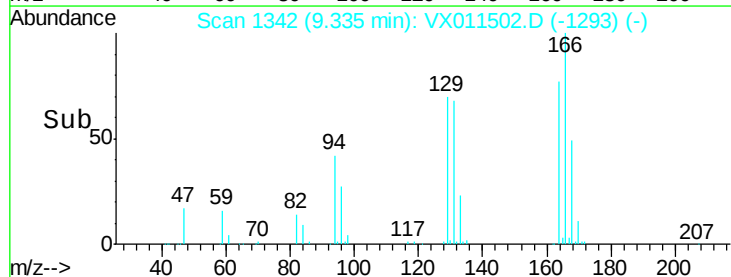
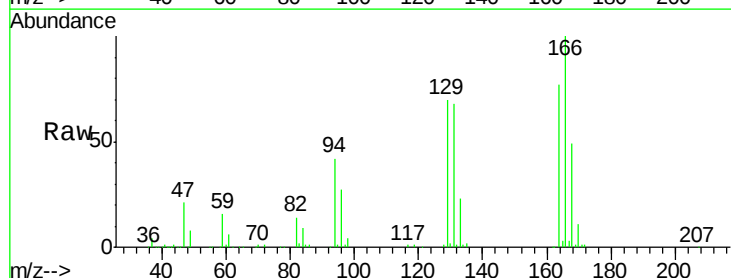
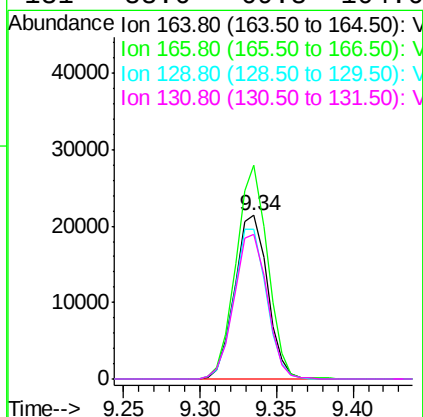
Manual Integrations
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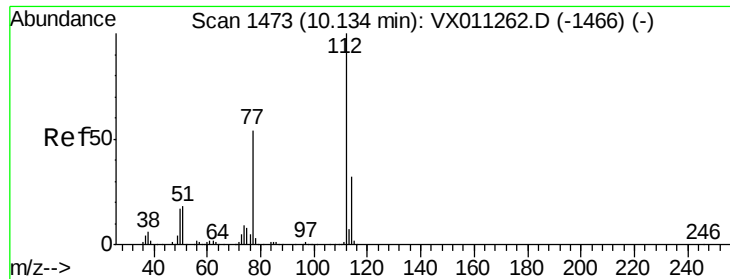
MMDadoda
8/14/2019 9:12:27 AM



#64
Tetrachloroethene
Concen: 17.740 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX011502.D
Acq: 12 Aug 2019 23:16

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	31836		
166	130.6	107.5	161.3	
129	92.0	71.0	106.4	
131	88.6	69.8	104.6	





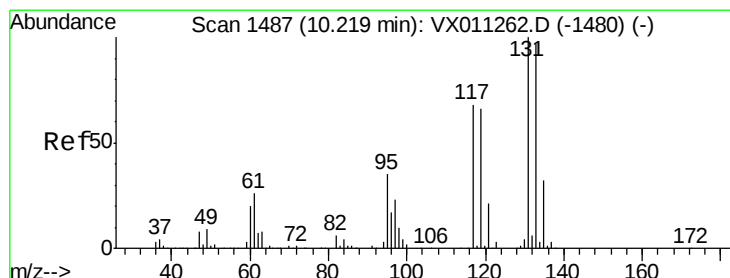
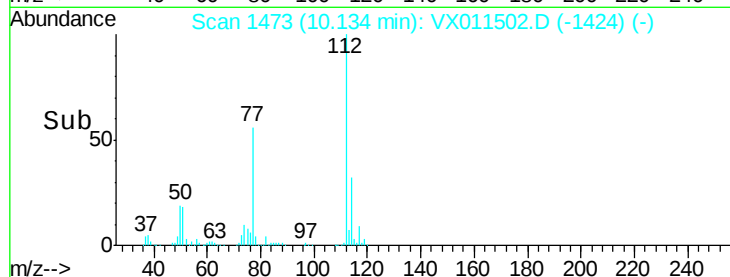
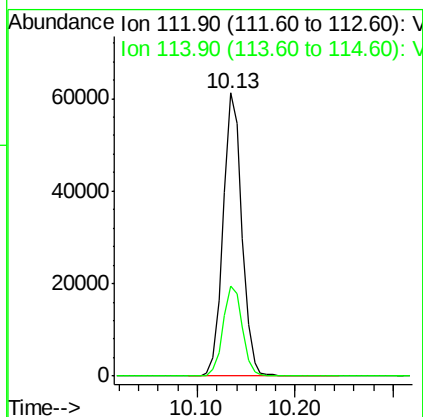
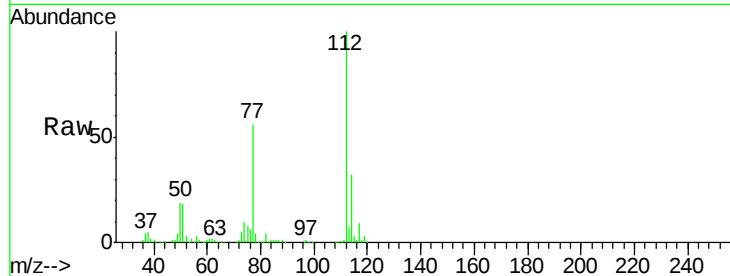
#65
Chlorobenzene
Concen: 17.995 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX011502.D
Acq: 12 Aug 2019 23:16

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD02

Tot Ion:112 Resp: 81535
Ion Ratio Lower Upper
112 100
114 32.0 25.9 38.9

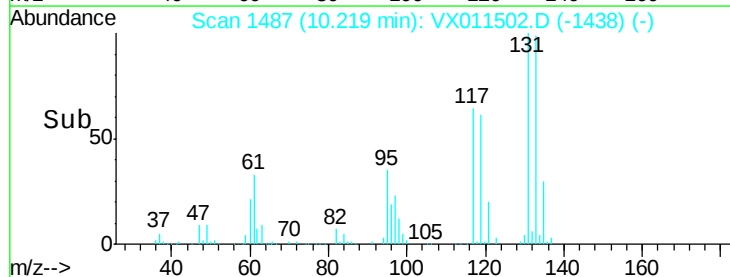
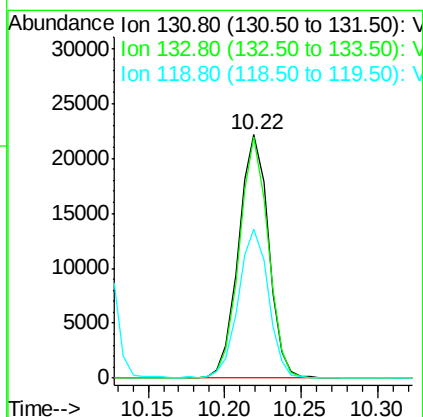
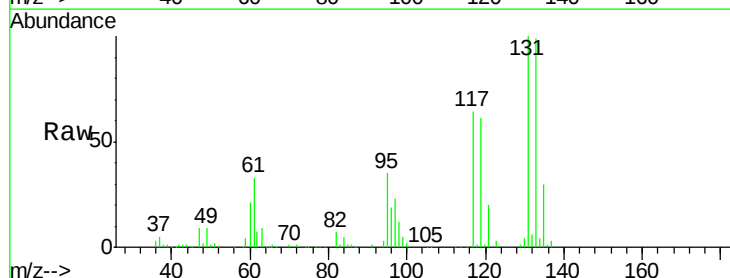
Manual Integrations
APPROVED

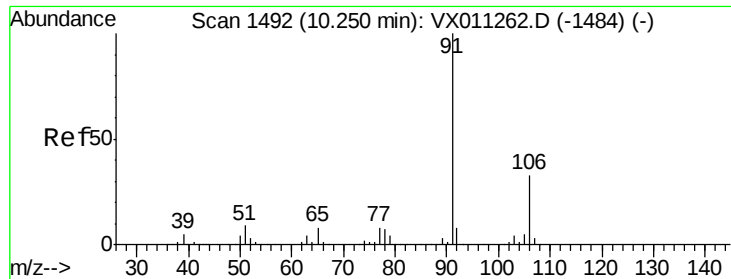
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.449 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX011502.D
Acq: 12 Aug 2019 23:16

Tgt Ion:131 Resp: 30169
Ion Ratio Lower Upper
131 100
133 95.5 47.7 143.1
119 61.4 32.8 98.3





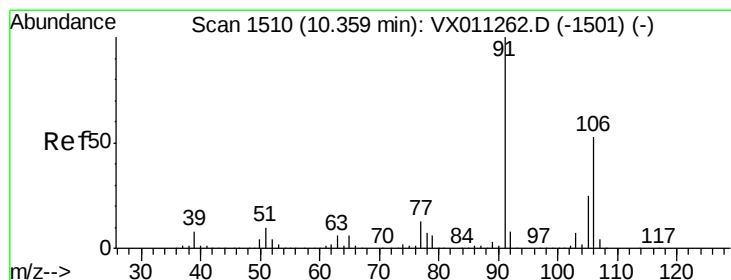
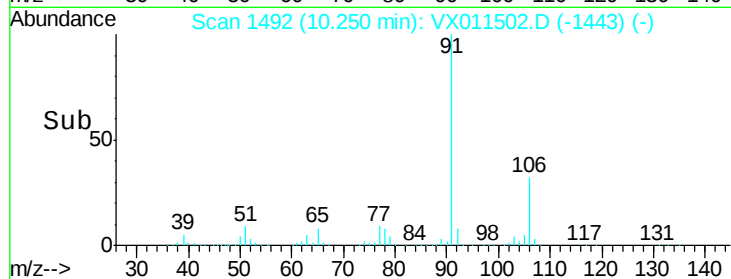
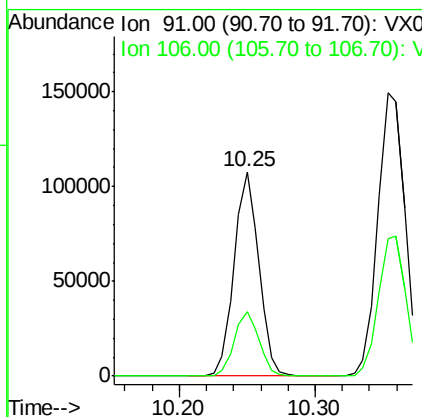
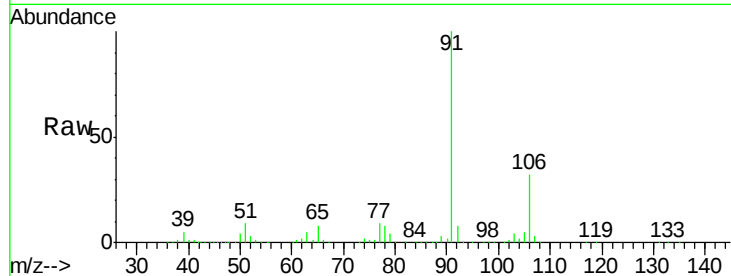
#67
Ethyl Benzene
Concen: 17.946 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX011502.D
Acq: 12 Aug 2019 23:16

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD02

Tot Ion: 91 Resp: 136183
Ion Ratio Lower Upper
91 100
106 31.8 26.2 39.4

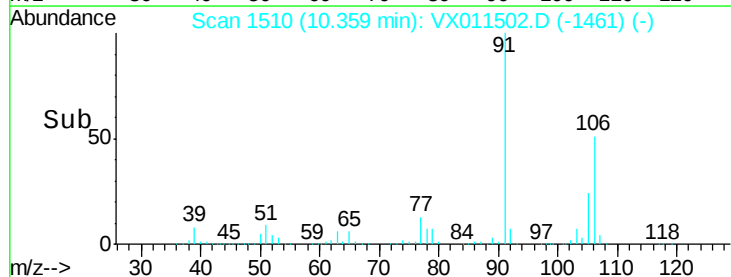
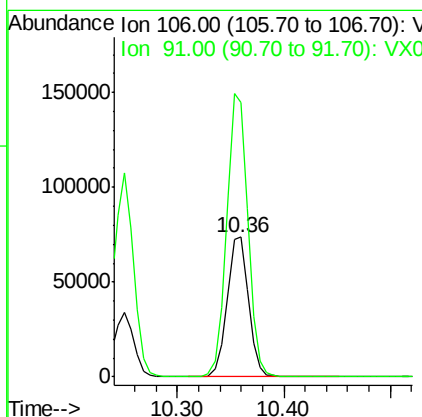
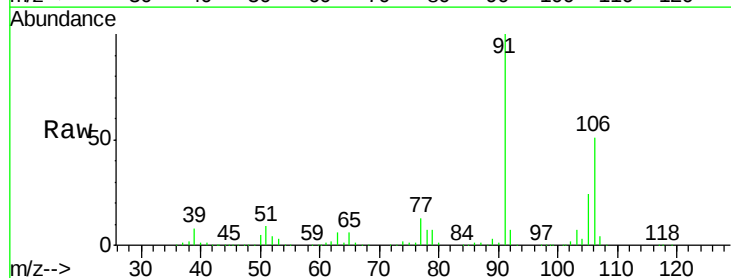
Manual Integrations
APPROVED

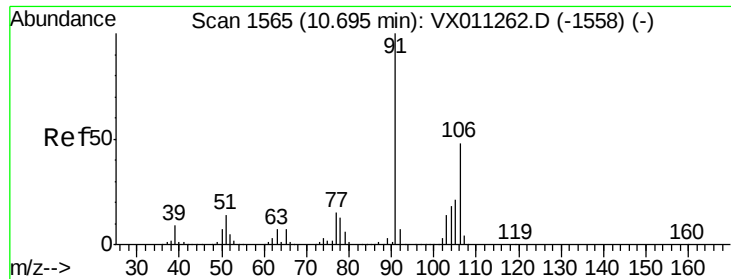
MMDadoda
8/14/2019 9:12:27 AM



#68
m/p-Xylenes
Concen: 35.455 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX011502.D
Acq: 12 Aug 2019 23:16

Tgt Ion: 106 Resp: 104066
Ion Ratio Lower Upper
106 100
91 200.1 155.9 233.9





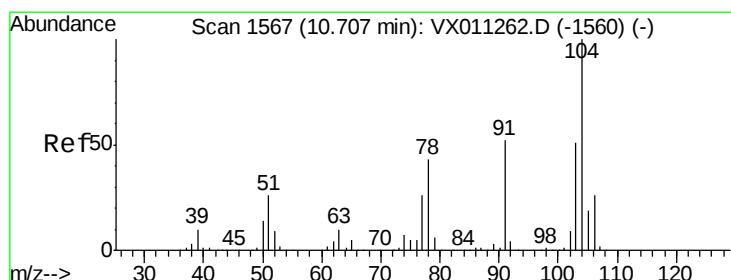
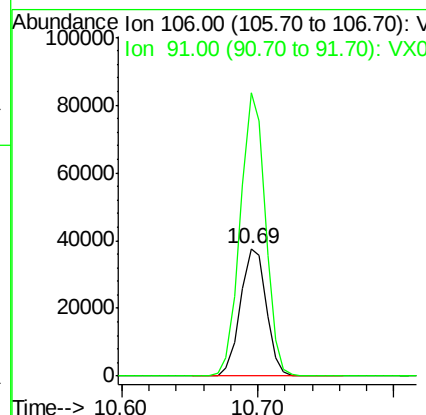
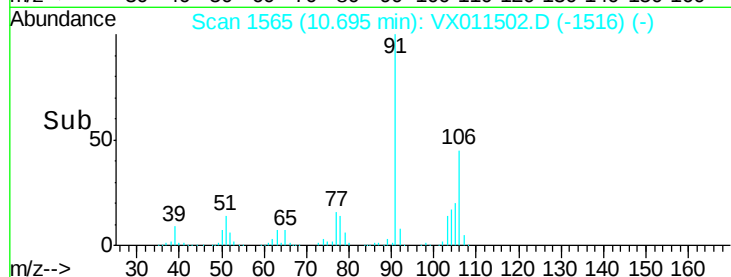
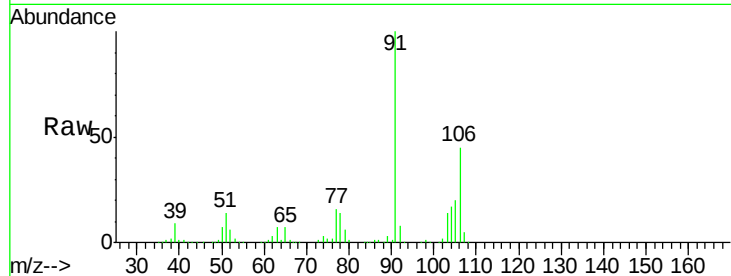
#69
o-Xylene
Concen: 17.341 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX011502.D
Acq: 12 Aug 2019 23:16

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD02

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	216.2	103.8	311.3	

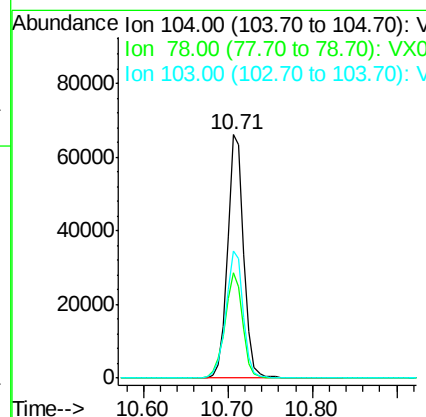
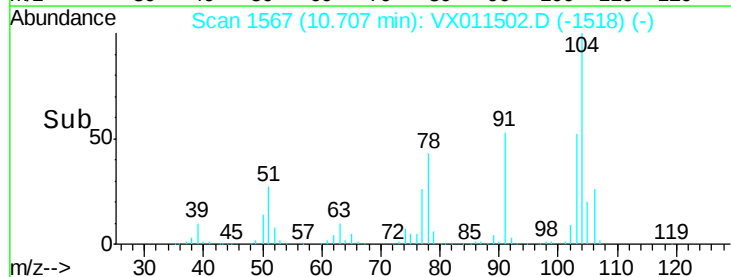
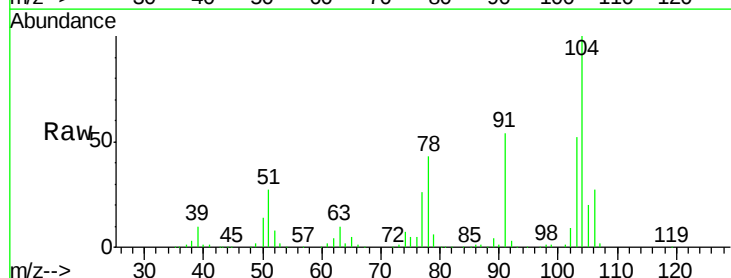
Manual Integrations
APPROVED

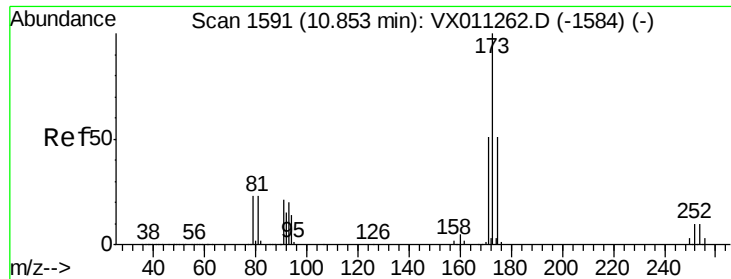
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#70
Styrene
Concen: 18.337 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX011502.D
Acq: 12 Aug 2019 23:16

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	47.4	36.9	55.3	
103	56.1	44.4	66.6	





#71

Bromoform

Concen: 17.548 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX011502.D

Acq: 12 Aug 2019 23:16

Instrument :

MSVOA_X

ClientSampleId :

VX0812WBSD02

Tot Ion:173 Resp: 21632

Ion Ratio Lower Upper

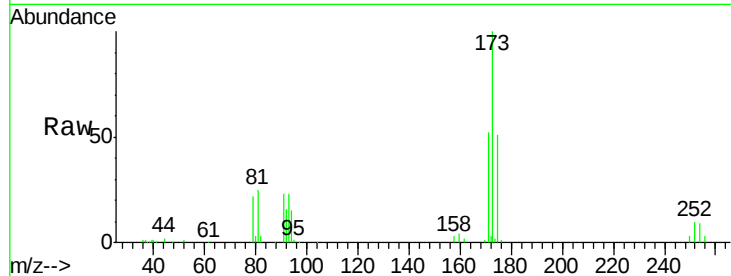
173 100

175 51.0 24.4 73.4

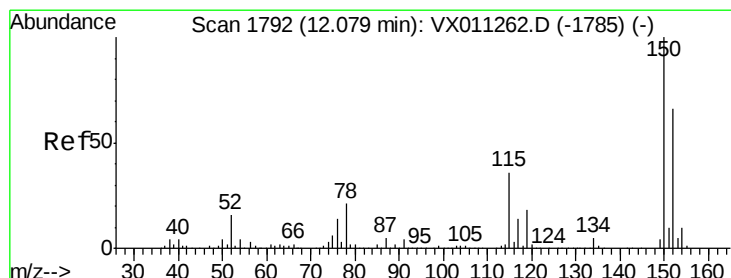
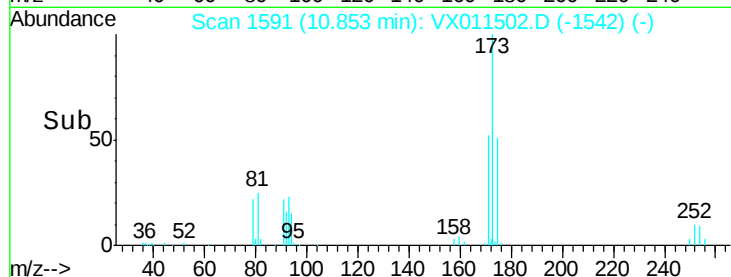
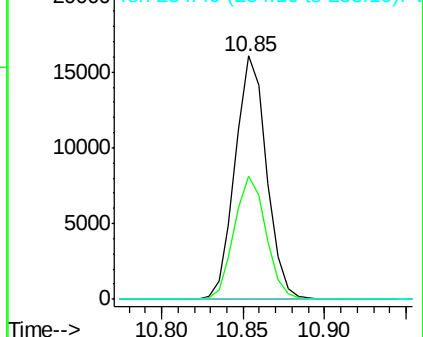
254 0.0 0.2 0.2#

Manual Integrations
APPROVED

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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX011502.D

Acq: 12 Aug 2019 23:16

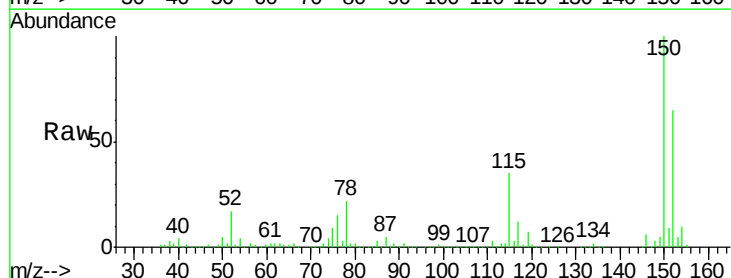
Tgt Ion:152 Resp: 109986

Ion Ratio Lower Upper

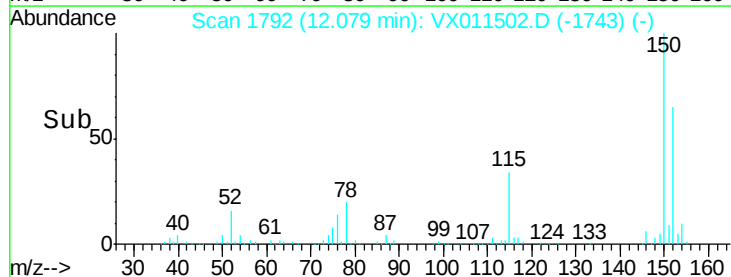
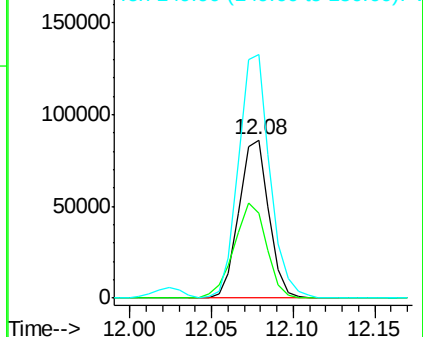
152 100

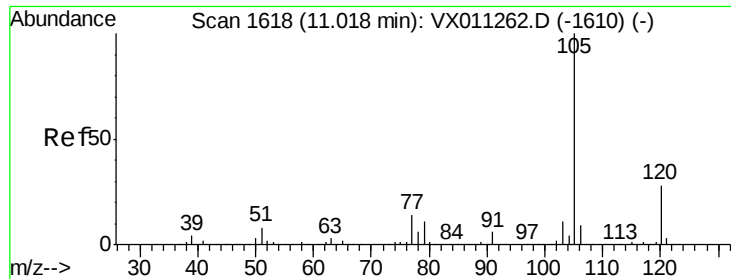
115 65.5 40.0 119.9

150 161.4 0.0 350.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.618 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX011502.D

Acq: 12 Aug 2019 23:16

Instrument :

MSVOA_X

ClientSampleId :

VX0812WBSD02

Tot Ion: 105 Resp: 140050

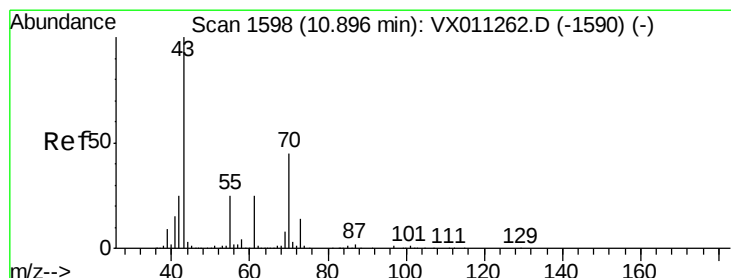
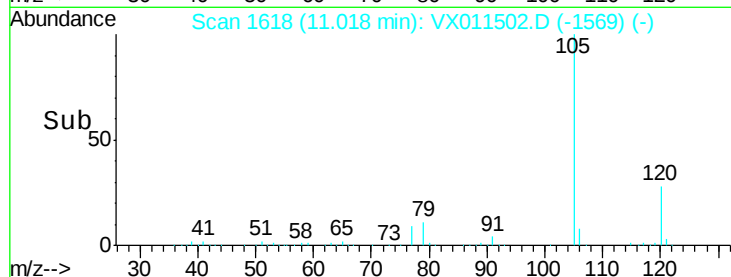
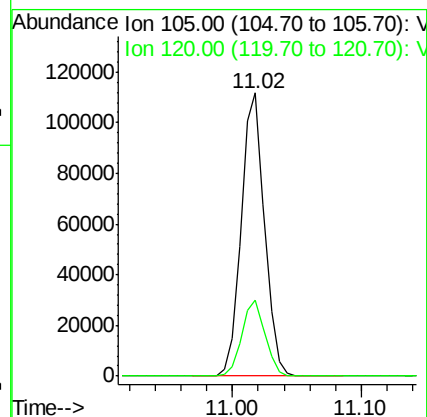
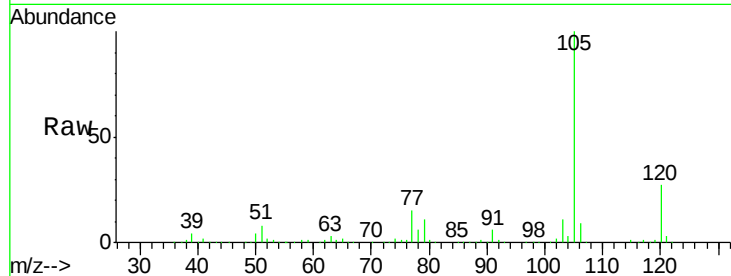
Ion Ratio Lower Upper

105 100

120 26.9 13.7 41.1

Manual Integrations
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#74

N-ethyl acetate

Concen: 19.714 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX011502.D

Acq: 12 Aug 2019 23:16

Tgt Ion: 43 Resp: 53584

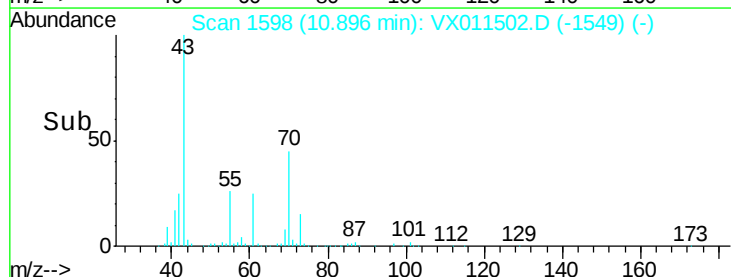
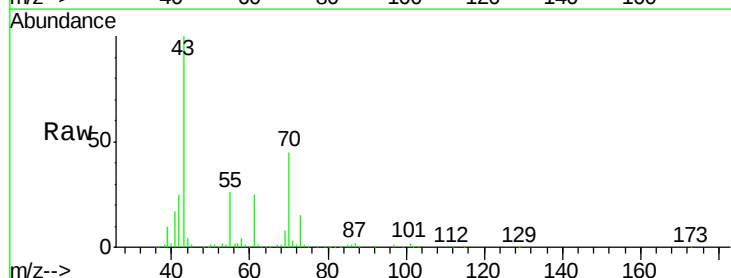
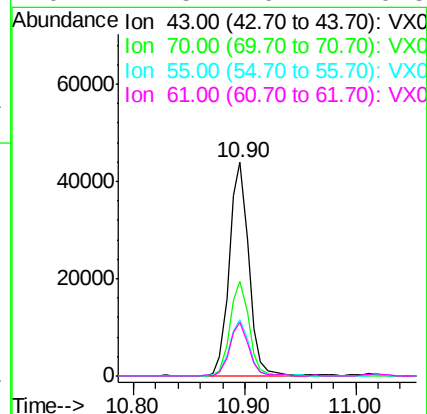
Ion Ratio Lower Upper

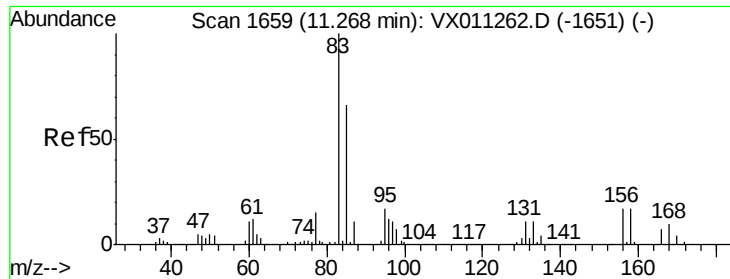
43 100

70 43.0 35.9 53.9

55 26.8 19.8 29.6

61 24.5 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 19.599 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX011502.D

Acq: 12 Aug 2019 23:16

Instrument :

MSVOA_X

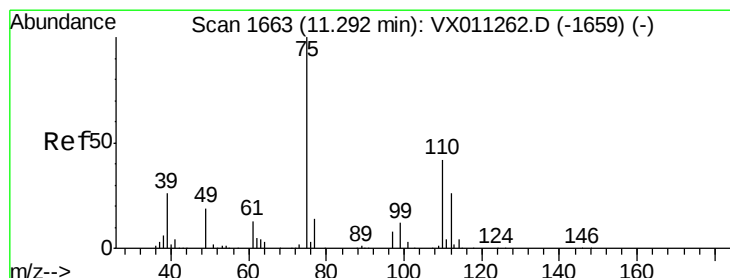
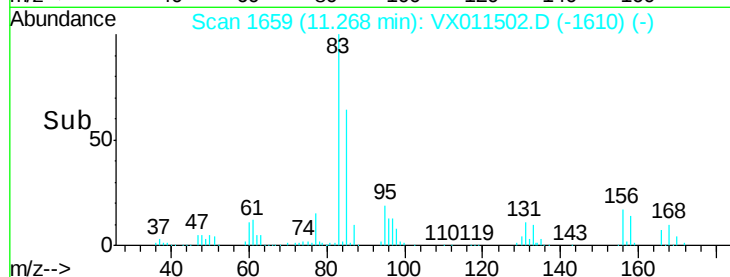
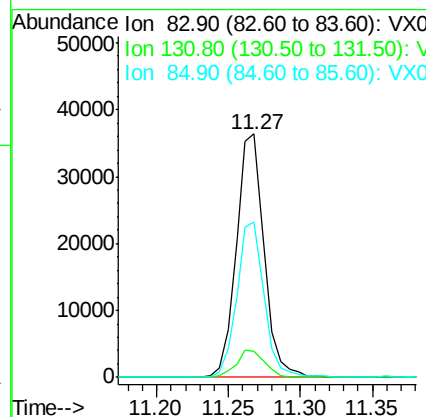
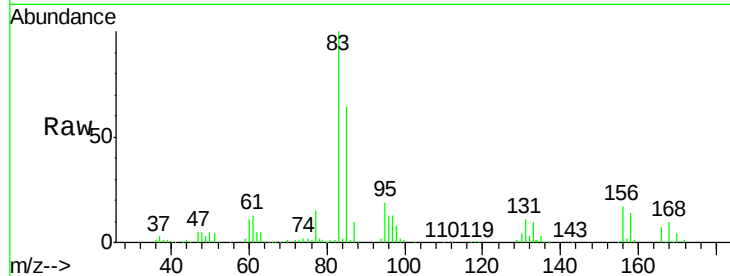
ClientSampleId :

VX0812WBSD02

Tot Ion:	83	Resp:	49131
Ion Ratio	Lower	Upper	
83	100		
131	11.5	5.6	16.8
85	63.1	32.1	96.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.313 ug/l m

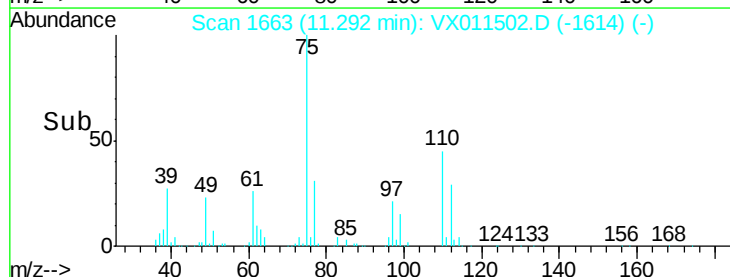
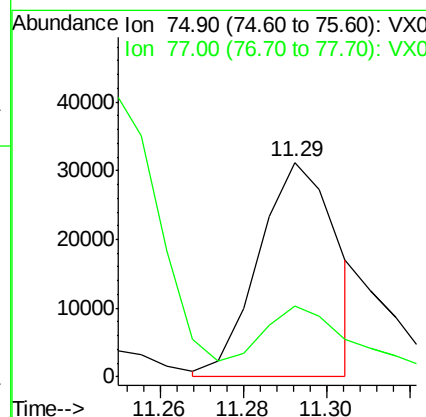
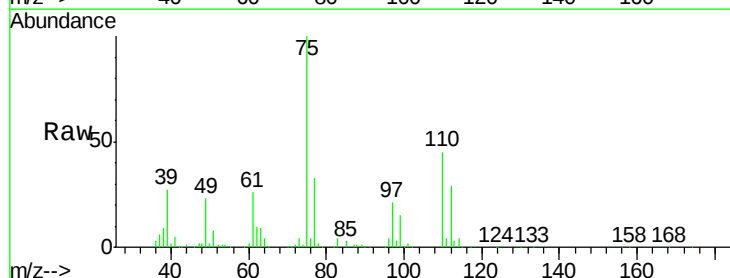
RT: 11.29 min Scan# 1663

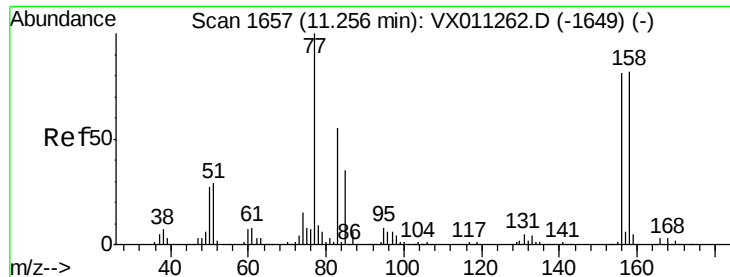
Delta R.T. 0.00 min

Lab File: VX011502.D

Acq: 12 Aug 2019 23:16

Tgt Ion:	75	Resp:	40687
Ion Ratio	Lower	Upper	
75	100		
77	40.3	21.1	63.4





#77

Bromobenzene

Concen: 18.568 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX011502.D

Acq: 12 Aug 2019 23:16

Instrument :

MSVOA_X

ClientSampleId :

VX0812WBSD02

Tot Ion:156 Resp: 38730

Ion Ratio Lower Upper

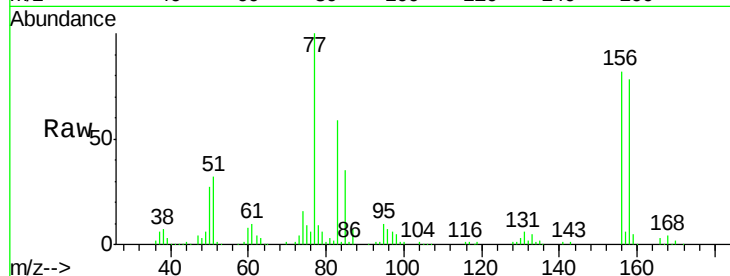
156 100

77 137.0 66.2 198.6

158 95.7 49.1 147.3

Manual Integrations
APPROVED

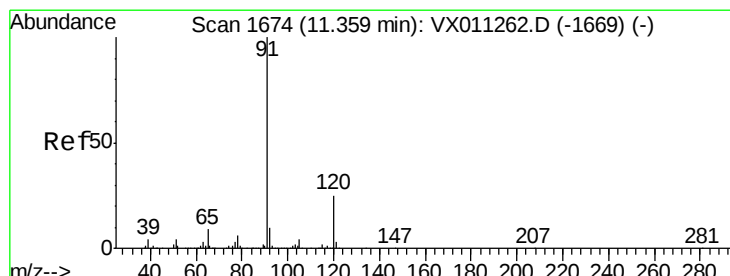
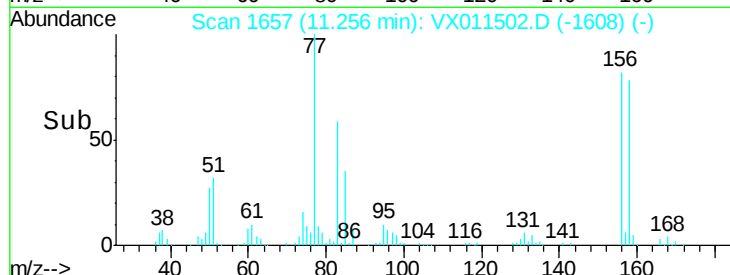
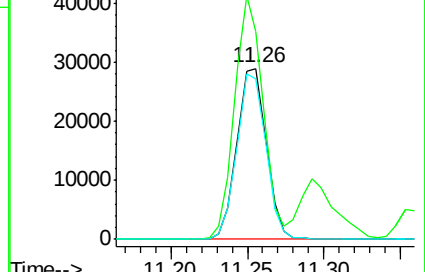
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.141 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX011502.D

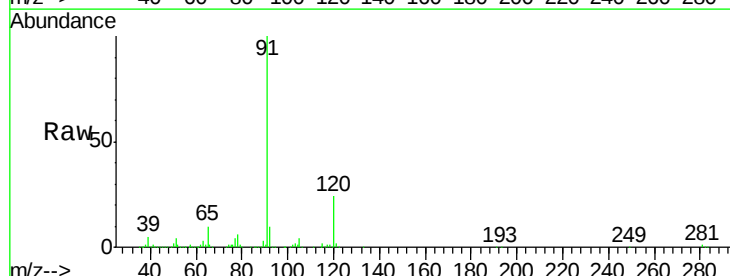
Acq: 12 Aug 2019 23:16

Tgt Ion: 91 Resp: 151754

Ion Ratio Lower Upper

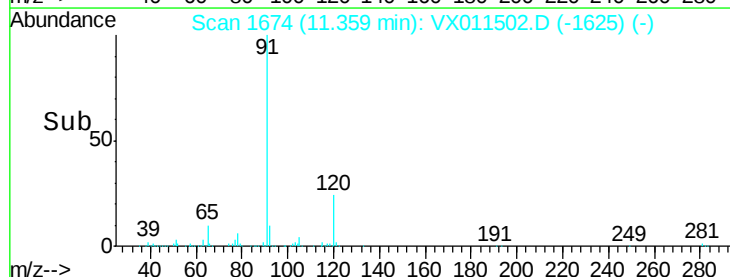
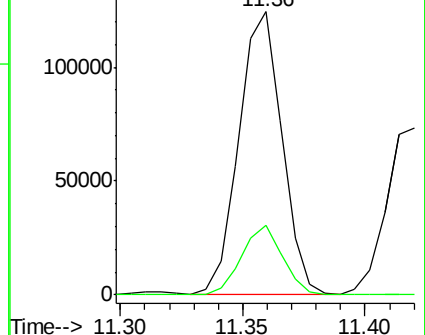
91 100

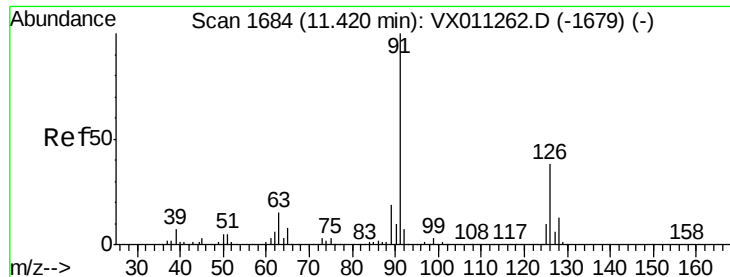
120 23.6 12.4 37.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.708 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VX011502.D

Acq: 12 Aug 2019 23:16

Instrument :

MSVOA_X

ClientSampleId :

VX0812WBSD02

Tot Ion: 91 Resp: 93276

Ion Ratio Lower Upper

91 100

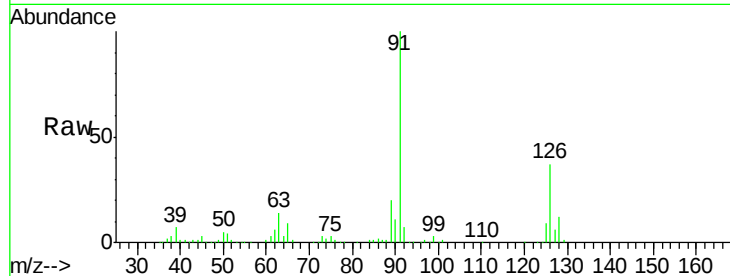
126 35.9 18.5 55.5

Manual Integrations

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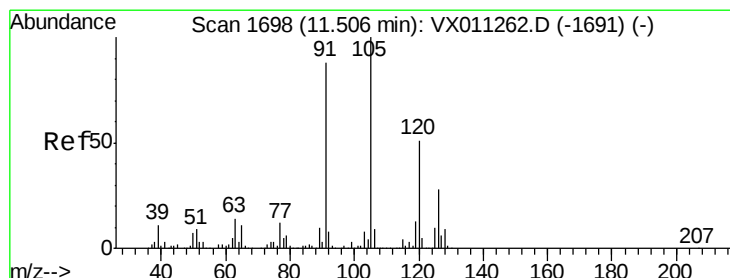
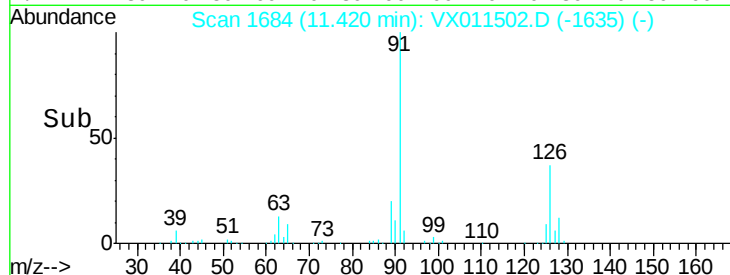
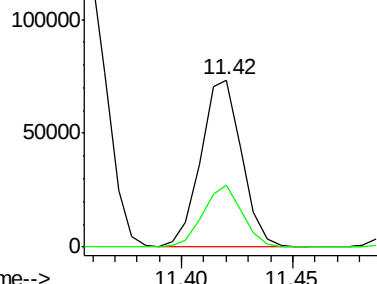
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 18.171 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX011502.D

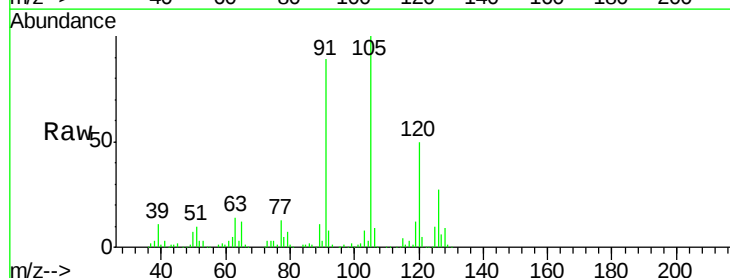
Acq: 12 Aug 2019 23:16

Tgt Ion:105 Resp: 114420

Ion Ratio Lower Upper

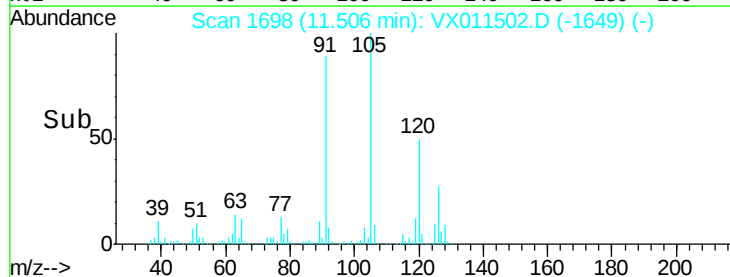
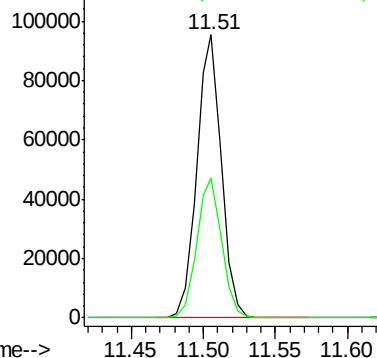
105 100

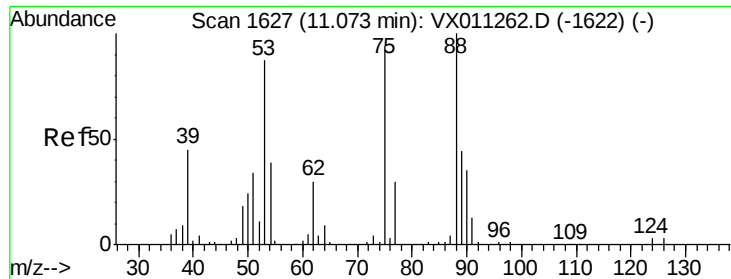
120 50.0 25.1 75.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 17.827 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX011502.D

Acq: 12 Aug 2019 23:16

Instrument :

MSVOA_X

ClientSampleId :

VX0812WBSD02

Tot Ion: 75 Resp: 10969

Ion Ratio Lower Upper

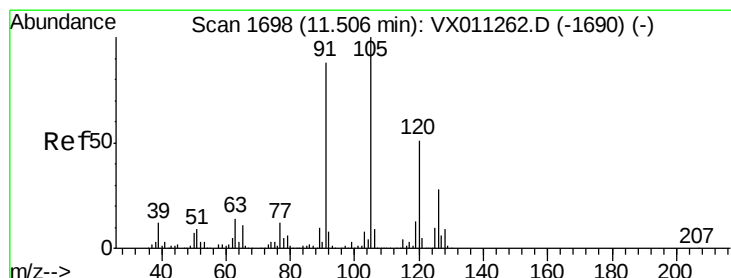
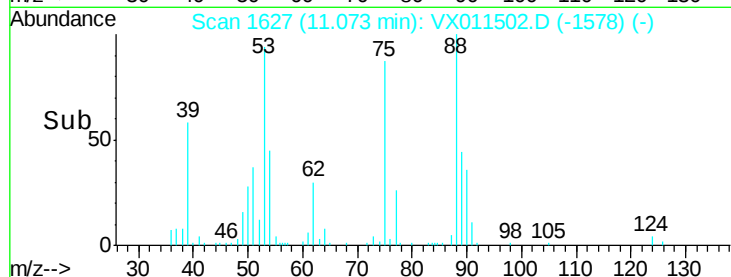
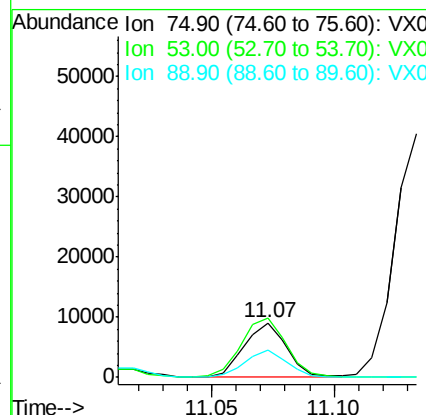
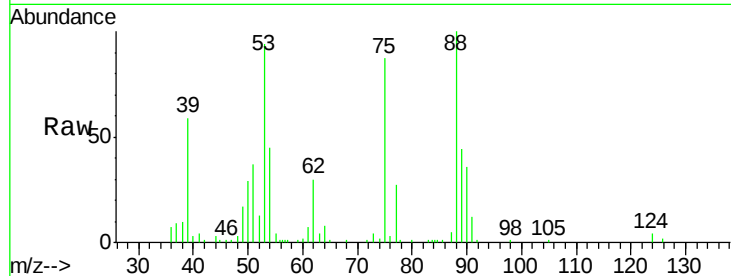
75 100

53 116.1 78.2 117.4

89 50.1 37.9 56.9

Manual Integrations
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#82

4-Chlorotoluene

Concen: 18.501 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX011502.D

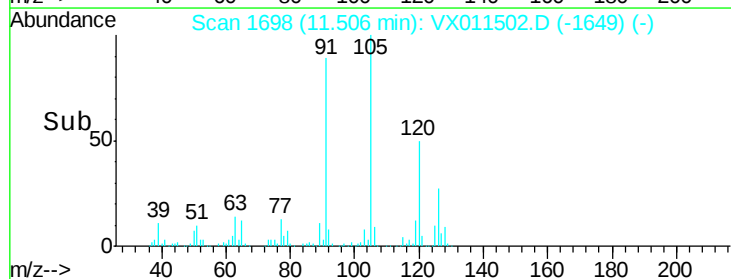
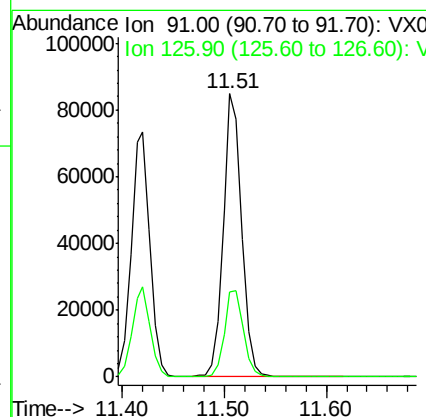
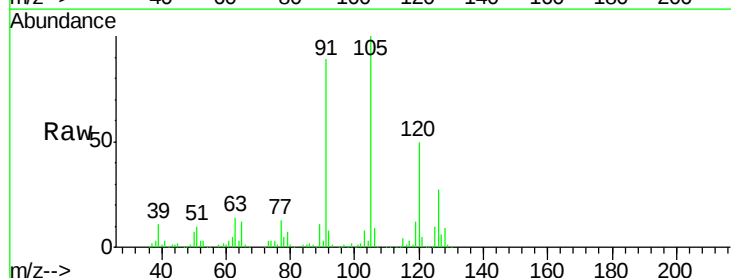
Acq: 12 Aug 2019 23:16

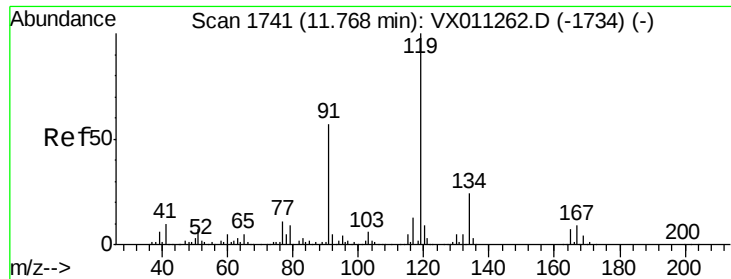
Tgt Ion: 91 Resp: 107503

Ion Ratio Lower Upper

91 100

126 31.5 16.4 49.2





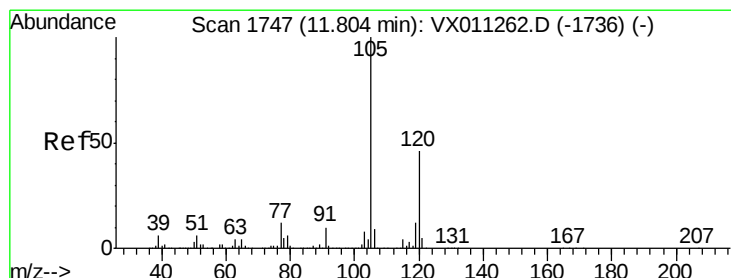
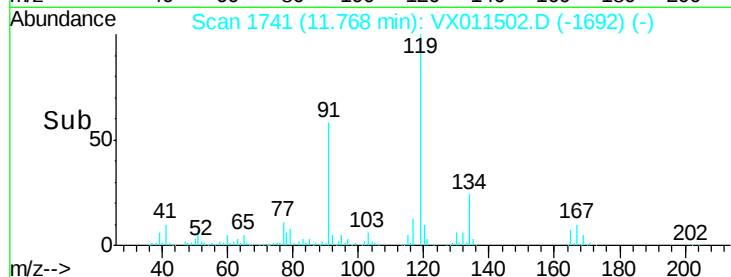
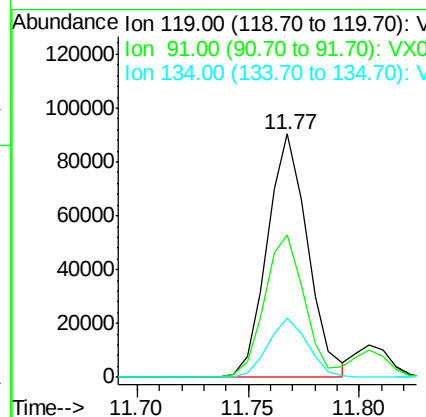
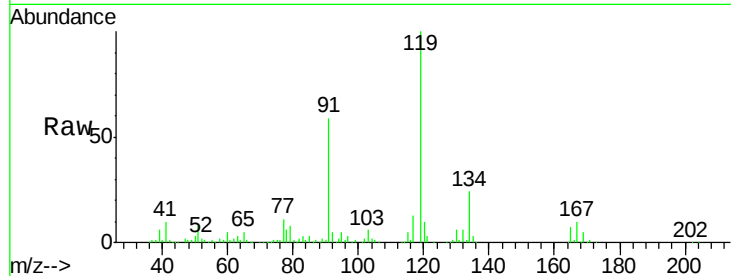
#83
 tert-Butylbenzene
 Concen: 18.485 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX011502.D
 Acq: 12 Aug 2019 23:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0812WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	114159		
91	58.5	28.0	84.0	
134	23.8	11.9	35.5	

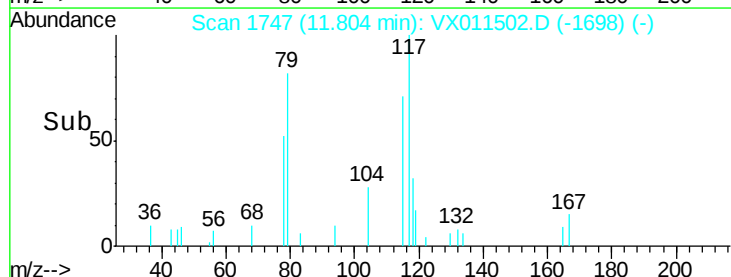
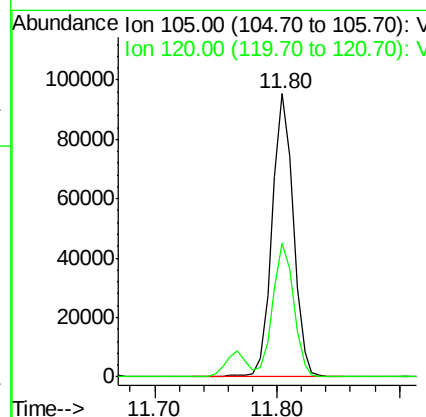
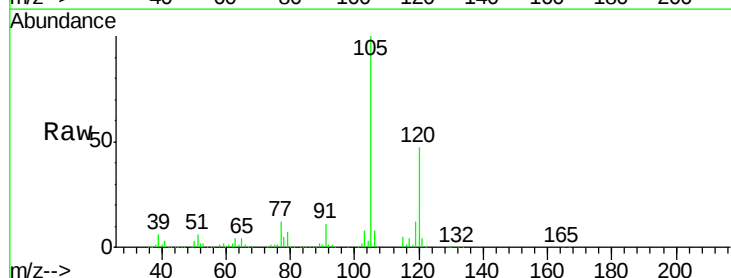
Manual Integrations
 APPROVED

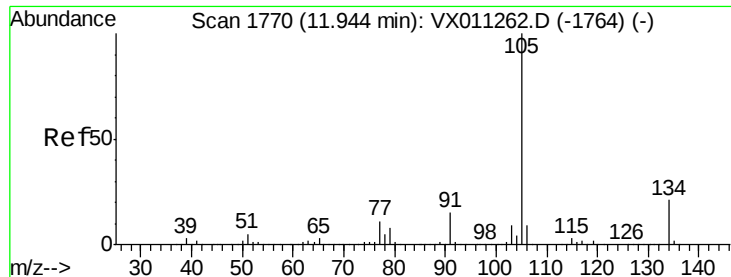
MMDadoda
 8/14/2019 9:12:27 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 18.365 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX011502.D
 Acq: 12 Aug 2019 23:16

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	115137		
120	46.7	23.0	69.0	





#85

sec-Butylbenzene

Concen: 18.038 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX011502.D

Acq: 12 Aug 2019 23:16

Instrument :

MSVOA_X

ClientSampleId :

VX0812WBSD02

Tot Ion:105 Resp: 133846

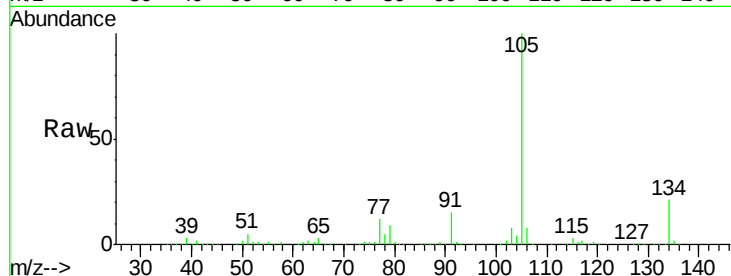
Ion Ratio Lower Upper

105 100

134 20.6 10.4 31.4

Manual Integrations
APPROVED

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

120000

100000

80000

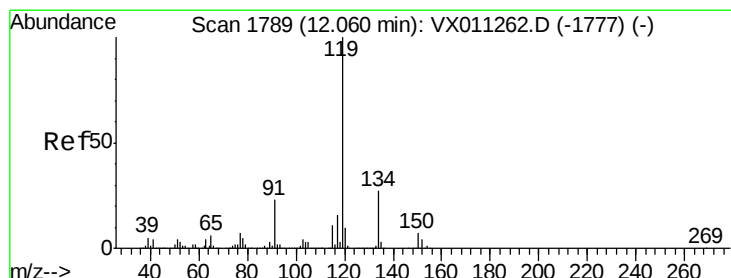
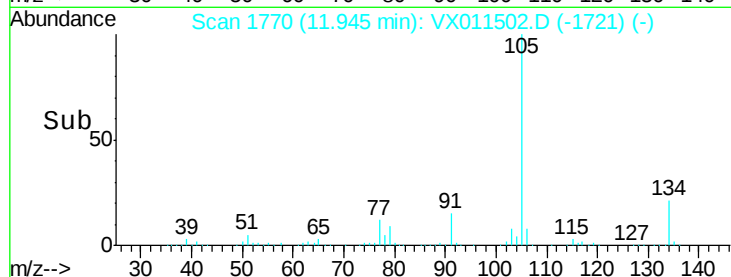
60000

40000

20000

0

Time-->



#86

p-Isopropyltoluene

Concen: 17.871 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX011502.D

Acq: 12 Aug 2019 23:16

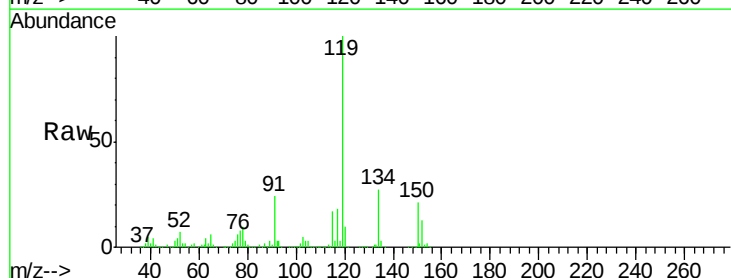
Tgt Ion:119 Resp: 121989

Ion Ratio Lower Upper

119 100

134 26.4 13.7 41.0

91 23.6 11.4 34.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

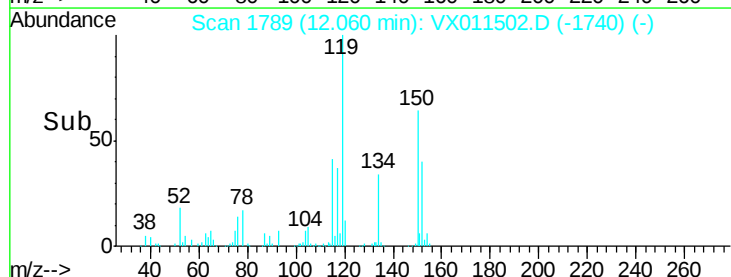
12.06

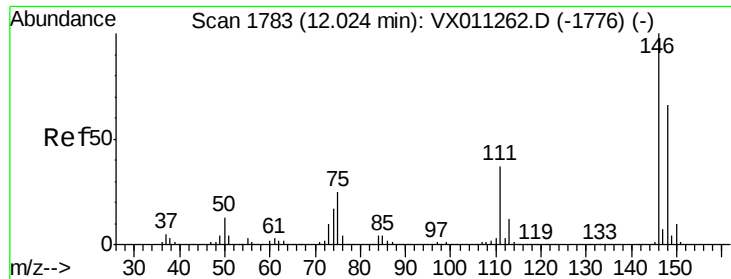
100000

50000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 18.068 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX011502.D

Acq: 12 Aug 2019 23:16

Instrument :

MSVOA_X

ClientSampleId :

VX0812WBSD02

Tot Ion:146 Resp: 66589

Ion Ratio Lower Upper

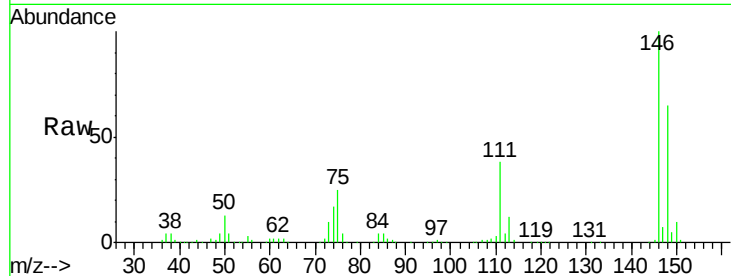
146 100

111 38.5 18.6 55.8

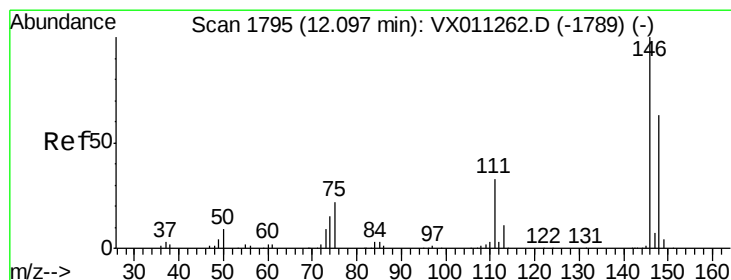
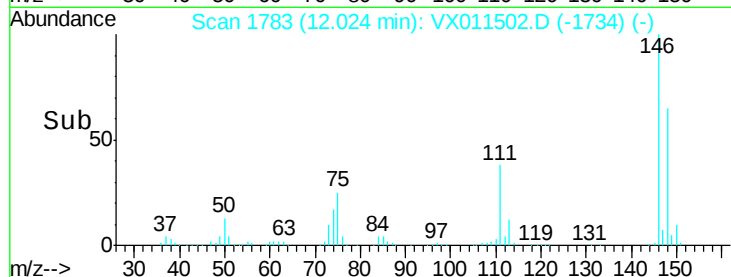
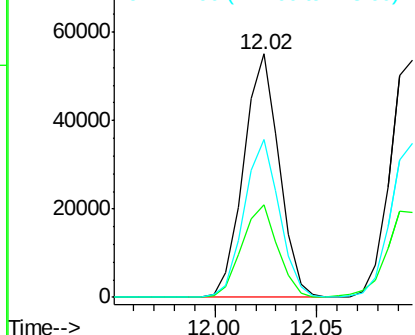
148 64.5 32.5 97.5

Manual Integrations
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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 17.715 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VX011502.D

Acq: 12 Aug 2019 23:16

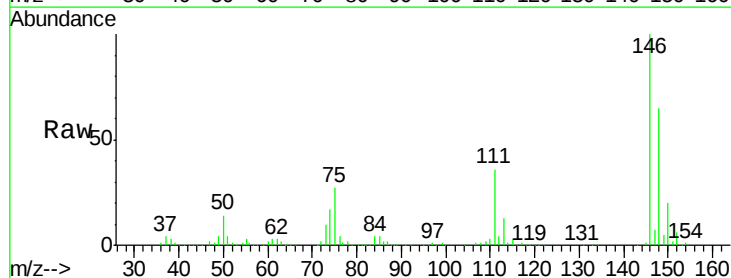
Tgt Ion:146 Resp: 67323

Ion Ratio Lower Upper

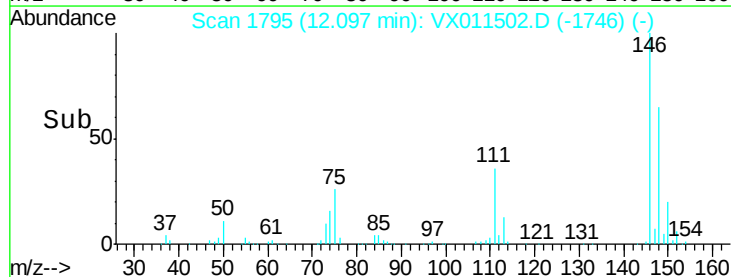
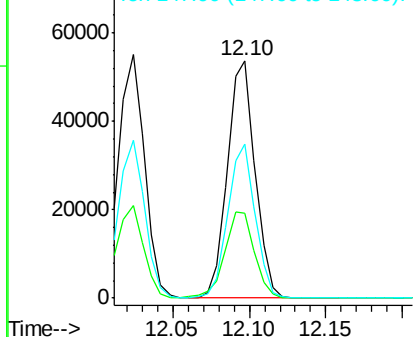
146 100

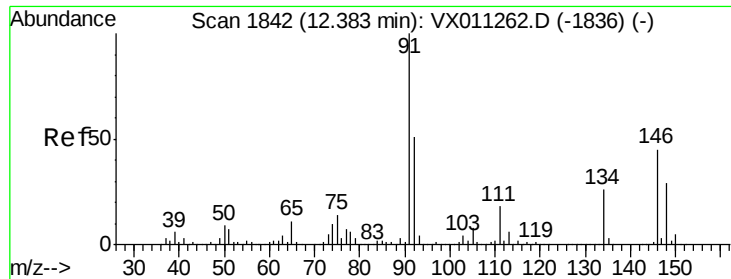
111 39.2 17.8 53.4

148 64.3 31.8 95.3



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V





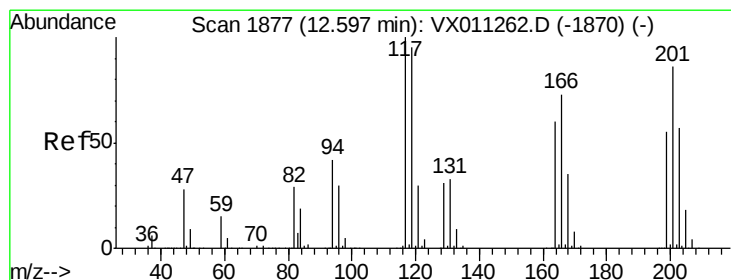
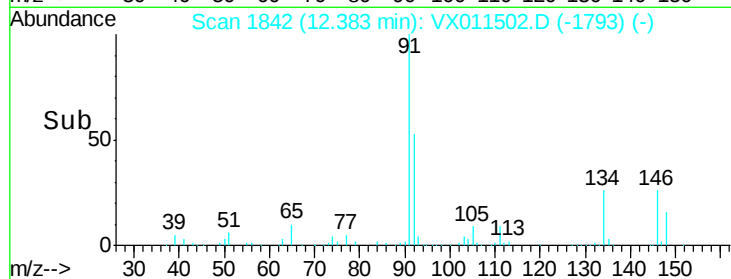
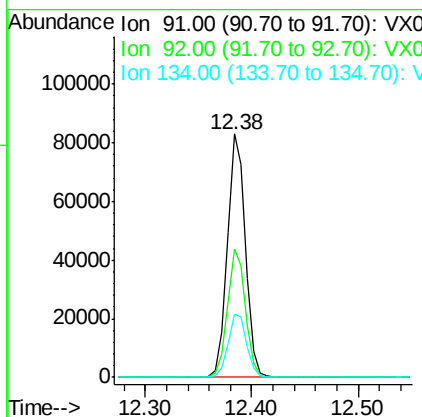
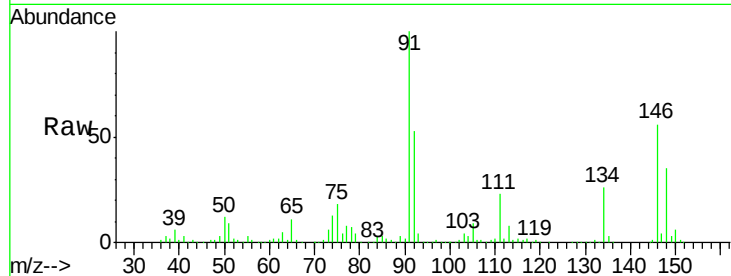
#89
n-Butylbenzene
Concen: 16.772 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX011502.D
Acq: 12 Aug 2019 23:16

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD02

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.2	25.8	77.3
134	26.8	13.7	41.0

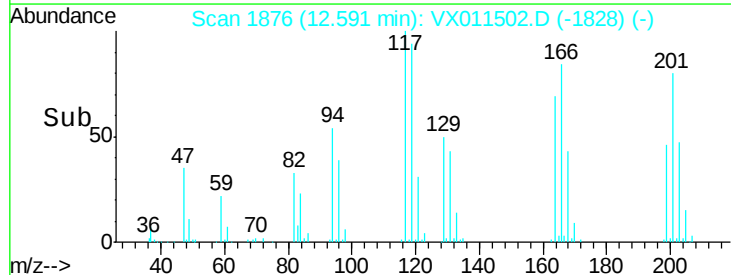
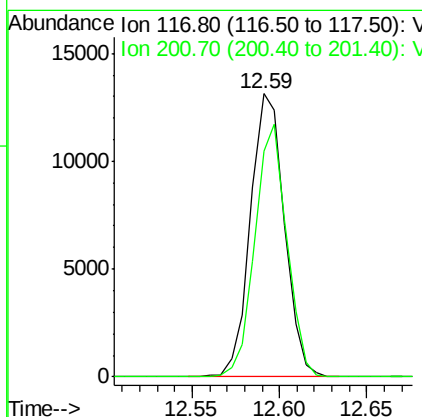
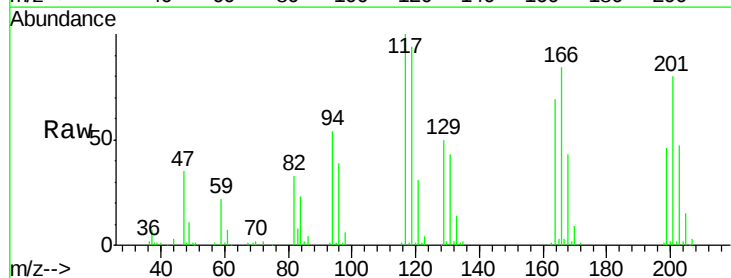
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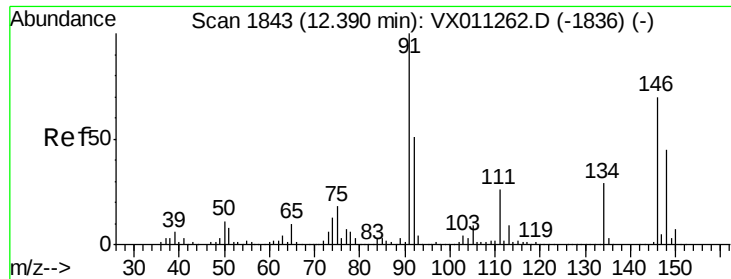
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#90
Hexachloroethane
Concen: 17.547 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX011502.D
Acq: 12 Aug 2019 23:16

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.1	41.8	125.4





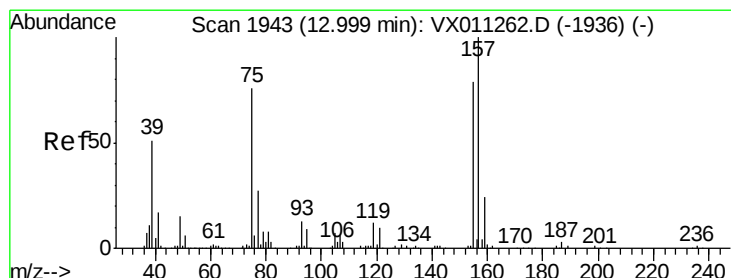
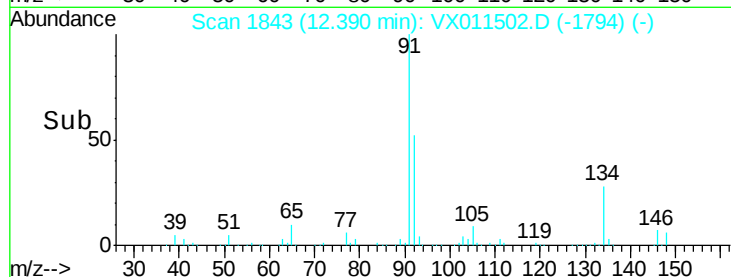
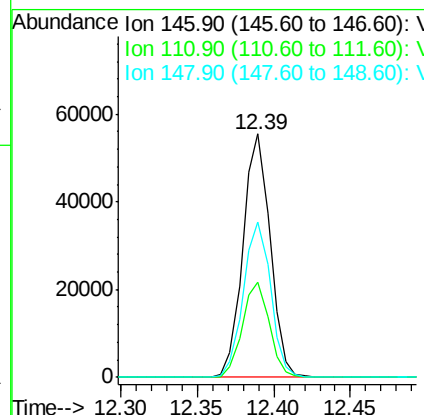
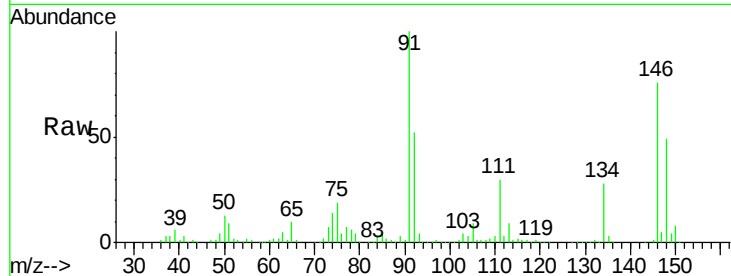
#91
 1,2-Dichlorobenzene
 Concen: 18.464 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX011502.D
 Acq: 12 Aug 2019 23:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0812WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.1	57.1
148	64.2	32.3	96.8

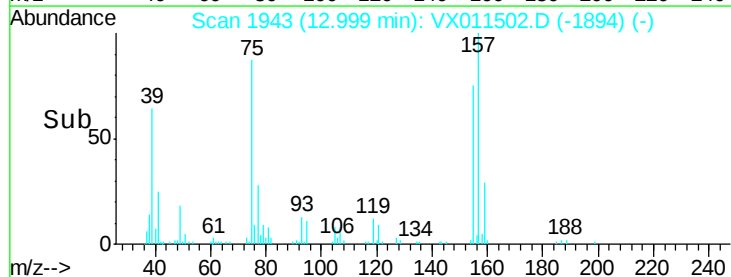
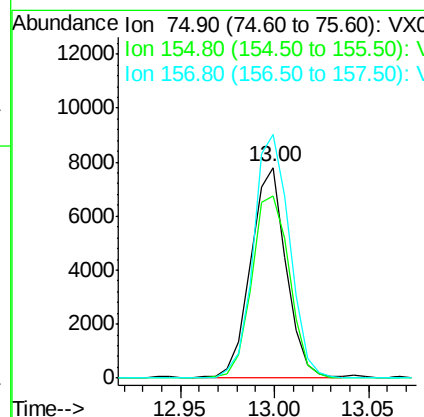
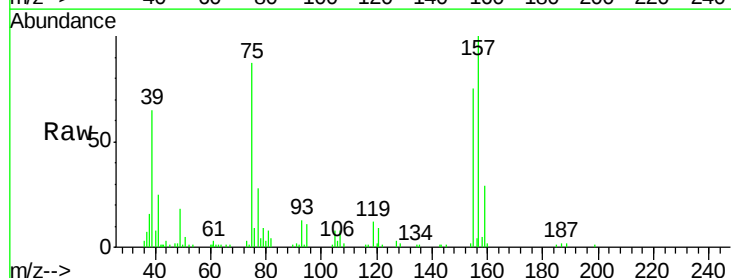
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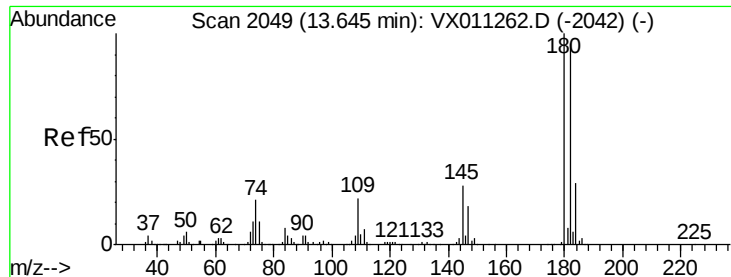
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.994 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX011502.D
 Acq: 12 Aug 2019 23:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.7	51.9	155.8
157	117.5	64.3	192.7





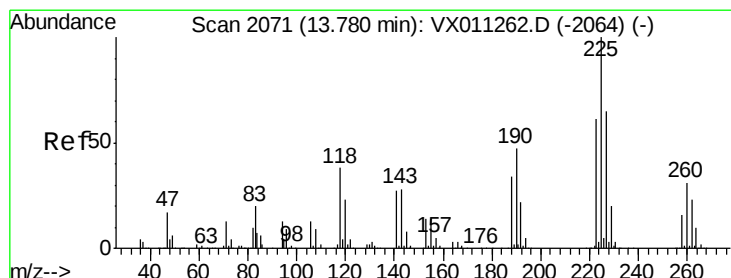
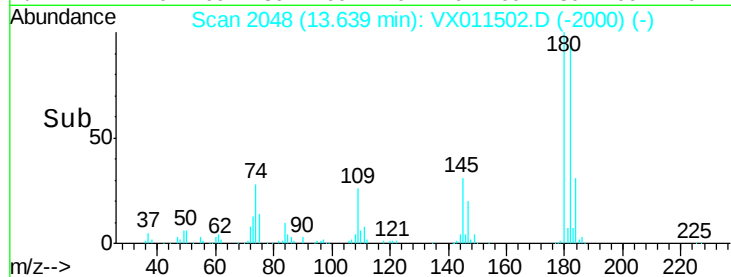
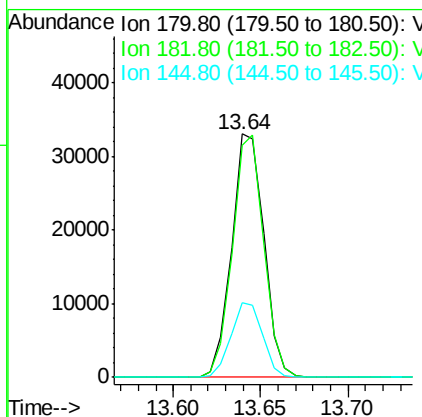
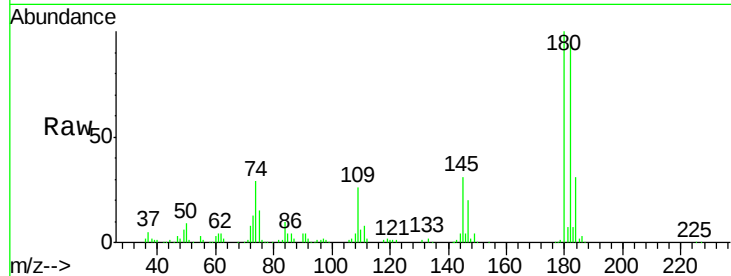
#93
 1,2,4-Trichlorobenzene
 Concen: 17.284 ug/l
 RT: 13.64 min Scan# 2048
 Delta R.T. -0.01 min
 Lab File: VX011502.D
 Acq: 12 Aug 2019 23:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0812WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	42447		
182	96.7	47.8	143.4	
145	30.0	14.8	44.3	

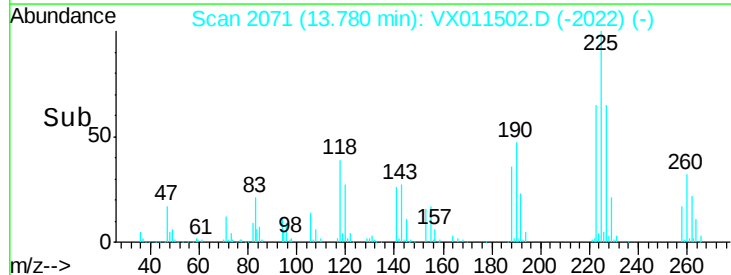
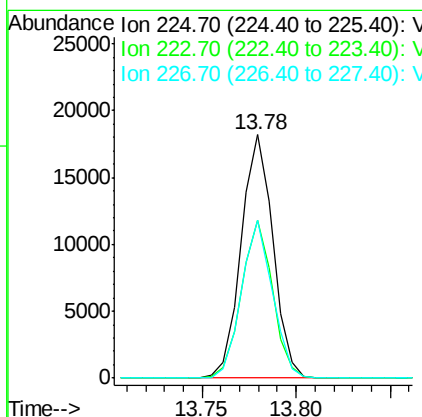
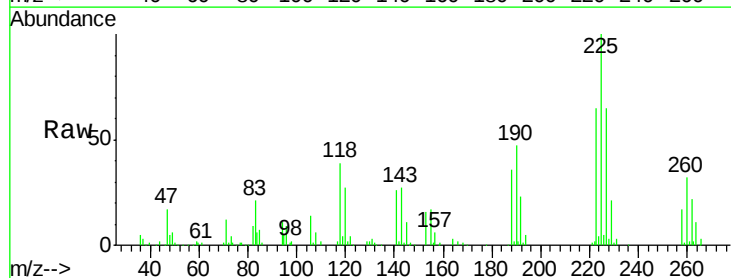
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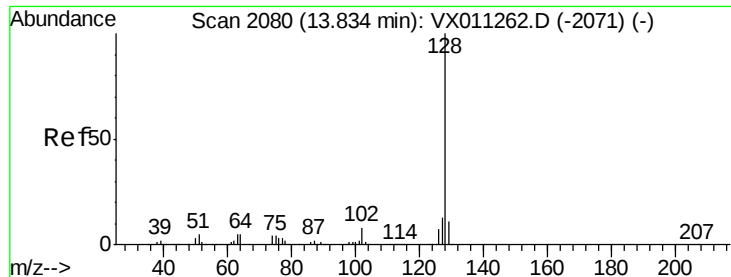
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#94
 Hexachlorobutadiene
 Concen: 17.113 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX011502.D
 Acq: 12 Aug 2019 23:16

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	21323		
223	63.5	31.0	93.0	
227	63.0	32.2	96.6	





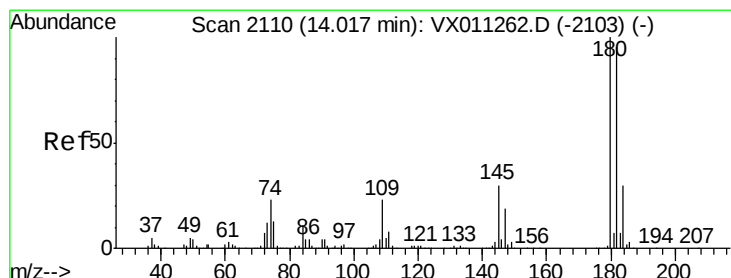
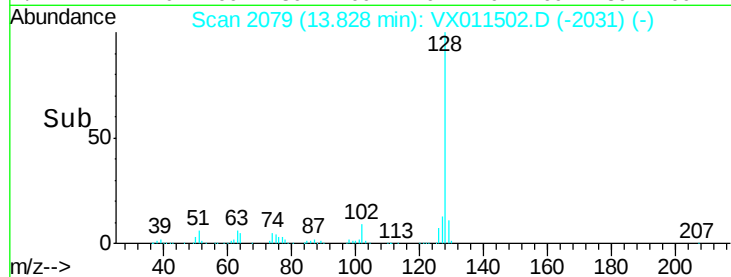
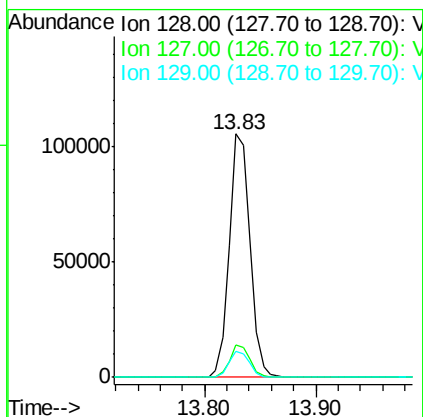
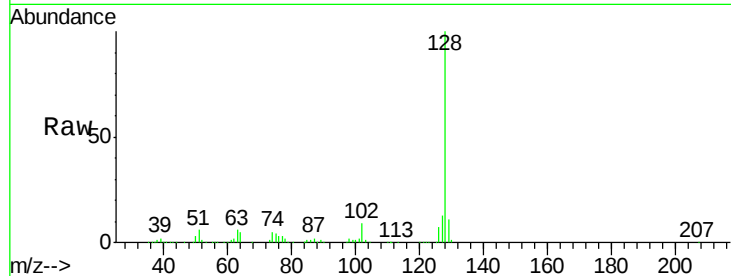
#95
Naphthalene
Concen: 18.854 ug/l
RT: 13.83 min Scan# 2079
Delta R.T. -0.01 min
Lab File: VX011502.D
Acq: 12 Aug 2019 23:16

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD02

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.7	8.9	13.3

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 17.487 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX011502.D
Acq: 12 Aug 2019 23:16

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.6	47.4	142.3
145	32.4	15.2	45.6

