

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081219\
 Data File : VX011501.D
 Acq On : 12 Aug 2019 22:53
 Operator : JC/SP
 Sample : VX0812WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0812WBS02

Manual Integrations
 APPROVED

MMDadoda
 8/14/2019 9:12:31 AM

Quant Time: Aug 13 09:04:34 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	146239	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	222766	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	206656	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	105748	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	83801	56.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.80%	
35) Dibromofluoromethane	5.49	113	72239	49.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.34%	
50) Toluene-d8	8.71	98	267115	48.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.32%	
62) 4-Bromofluorobenzene	11.13	95	95307	48.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	21029	18.619	ug/l	98
3) Chloromethane	1.32	50	22749	17.936	ug/l	99
4) Vinyl Chloride	1.40	62	25194	18.058	ug/l	92
5) Bromomethane	1.63	94	19458	19.555	ug/l	98
6) Chloroethane	1.71	64	17300	18.372	ug/l	98
7) Trichlorofluoromethane	1.92	101	45098	18.180	ug/l	98
8) Diethyl Ether	2.18	74	16340	18.447	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	26135	19.471	ug/l	98
10) Methyl Iodide	2.50	142	25905	15.308	ug/l	95
11) Tert butyl alcohol	3.04	59	33366	113.630	ug/l	99
12) 1,1-Dichloroethene	2.37	96	24614	18.499	ug/l	89
13) Acrolein	2.29	56	15158	82.774	ug/l	93
14) Allyl chloride	2.72	41	37615	21.206	ug/l	95
15) Acrylonitrile	3.13	53	77974	111.266	ug/l	99
16) Acetone	2.43	43	70041	99.919	ug/l	97
17) Carbon Disulfide	2.56	76	53182	17.033	ug/l	99
18) Methyl Acetate	2.76	43	37557	23.445	ug/l	98
19) Methyl tert-butyl Ether	3.18	73	85705	21.858	ug/l	96
20) Methylene Chloride	2.85	84	30370	19.783	ug/l	95
21) trans-1,2-Dichloroethene	3.16	96	26894	19.108	ug/l	94
22) Diisopropyl ether	3.85	45	83601	21.444	ug/l	93
23) Vinyl Acetate	3.81	43	347862	107.583	ug/l	98
24) 1,1-Dichloroethane	3.69	63	48552	21.121	ug/l	99
25) 2-Butanone	4.67	43	106887	107.193	ug/l	98
26) 2,2-Dichloropropane	4.58	77	30086	16.836	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	32807	20.237	ug/l	99
28) Bromochloromethane	5.01	49	21506	20.521	ug/l	99
29) Tetrahydrofuran	5.13	42	65822	107.658	ug/l	100
30) Chloroform	5.21	83	54020	21.621	ug/l	99
31) Cyclohexane	5.57	56	36237	19.107	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	46516	21.734	ug/l	98
36) 1,1-Dichloropropene	5.79	75	37327	19.192	ug/l	99
37) Ethyl Acetate	4.82	43	39678	20.338	ug/l	98
38) Carbon Tetrachloride	5.77	117	39116	19.990	ug/l	98

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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	39396	17.088	ug/l	96
40) Benzene	6.13	78	111196	19.159	ug/l	98
41) Methacrylonitrile	5.04	41	22295	20.925	ug/l	96
42) 1,2-Dichloroethane	6.19	62	42470	21.640	ug/l	99
43) Isopropyl Acetate	6.44	43	62324	19.981	ug/l	99
44) Trichloroethene	7.21	130	32931	18.745	ug/l	95
45) 1,2-Dichloropropane	7.51	63	29203	19.428	ug/l	97
46) Dibromomethane	7.66	93	21733	19.806	ug/l	95
47) Bromodichloromethane	7.89	83	37722	20.305	ug/l	97
48) Methyl methacrylate	7.77	41	31451	21.426	ug/l	96
49) 1,4-Dioxane	7.74	88	17084	401.453	ug/l	93
51) 4-Methyl-2-Pentanone	8.64	43	216094	107.352	ug/l	99
52) Toluene	8.78	92	75500	19.675	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	37023	18.979	ug/l	96
54) cis-1,3-Dichloropropene	8.43	75	41709	19.219	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	32250	20.440	ug/l	98
56) Ethyl methacrylate	9.18	69	44978	20.005	ug/l	96
57) 1,3-Dichloropropane	9.37	76	50175	20.109	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	105320	95.268	ug/l	99
59) 2-Hexanone	9.49	43	168794	108.260	ug/l	97
60) Dibromochloromethane	9.58	129	31875	19.733	ug/l	99
61) 1,2-Dibromoethane	9.67	107	33823	19.842	ug/l	99
64) Tetrachloroethene	9.33	164	33568	19.127	ug/l	96
65) Chlorobenzene	10.13	112	84542	19.080	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.22	131	30679	20.224	ug/l	99
67) Ethyl Benzene	10.25	91	143205	19.298	ug/l	99
68) m/p-Xylenes	10.35	106	109422	38.122	ug/l	97
69) o-Xylene	10.69	106	52613	18.656	ug/l	95
70) Styrene	10.71	104	90155	19.320	ug/l	97
71) Bromoform	10.85	173	22667	18.600	ug/l #	98
73) Isopropylbenzene	11.02	105	144431	19.970	ug/l	99
74) N-amyl acetate	10.90	43	55029	21.057	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.26	83	51190	21.239	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	41795m	21.703	ug/l	
77) Bromobenzene	11.25	156	39623	19.757	ug/l	96
78) n-propylbenzene	11.36	91	157156	19.540	ug/l	99
79) 2-Chlorotoluene	11.42	91	97169	20.270	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	120835	19.959	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.07	75	10909	18.284	ug/l	90
82) 4-Chlorotoluene	11.51	91	111937	20.036	ug/l	98
83) tert-Butylbenzene	11.77	119	119594	20.141	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	122120	20.259	ug/l	97
85) sec-Butylbenzene	11.94	105	138772	19.452	ug/l	99
86) p-Isopropyltoluene	12.06	119	127655	19.450	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	68919	19.449	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	68597	18.773	ug/l	97
89) n-Butylbenzene	12.38	91	103488	18.302	ug/l	99
90) Hexachloroethane	12.59	117	18398	18.961	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	69367	19.483	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	9819	21.028	ug/l	94

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ClientSampleId :
VX0812WBS02

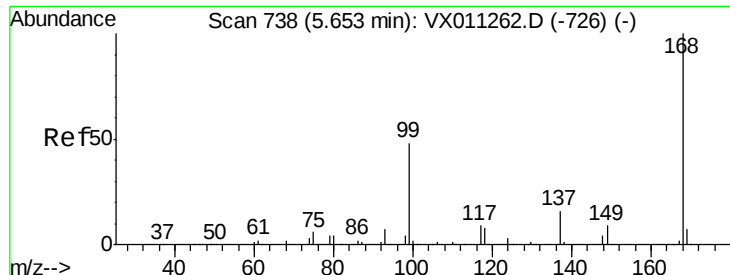
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Fri Aug 02 01:55:00 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	43877	18.582	ug/l	99
94) Hexachlorobutadiene	13.78	225	22028	18.388	ug/l	97
95) Naphthalene	13.83	128	133893	19.390	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	44294	18.452	ug/l	99

(#) = 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: VX011501.D

Acq: 12 Aug 2019 22:53

Instrument :

MSVOA_X

ClientSampleId :

VX0812WBS02

Tot Ion:168 Resp: 146239

Ion Ratio Lower Upper

168 100

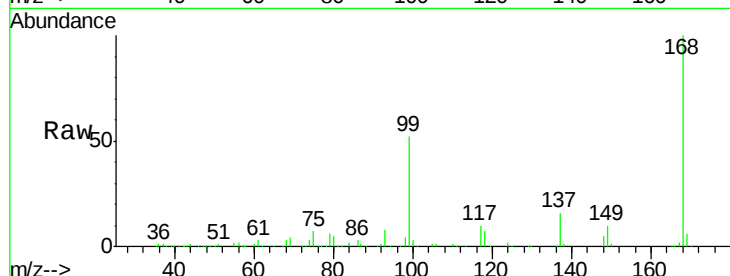
99 51.9 38.5 57.7

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

60000

50000

40000

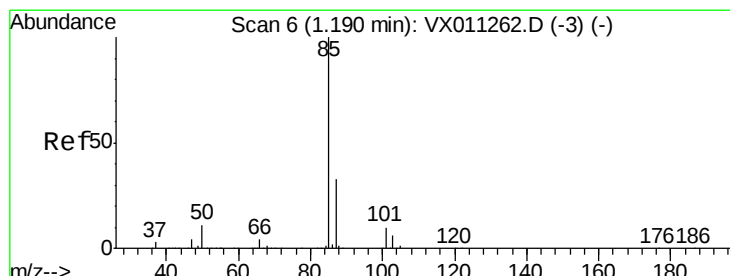
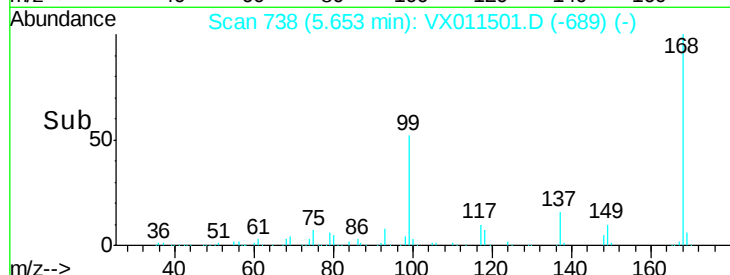
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 18.619 ug/l

RT: 1.19 min Scan# 6

Delta R.T. -0.00 min

Lab File: VX011501.D

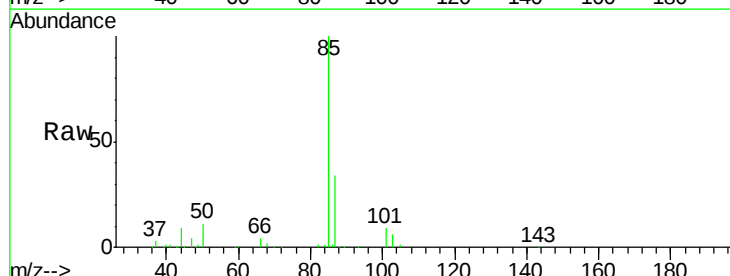
Acq: 12 Aug 2019 22:53

Tgt Ion: 85 Resp: 21029

Ion Ratio Lower Upper

85 100

87 33.9 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

25000

20000

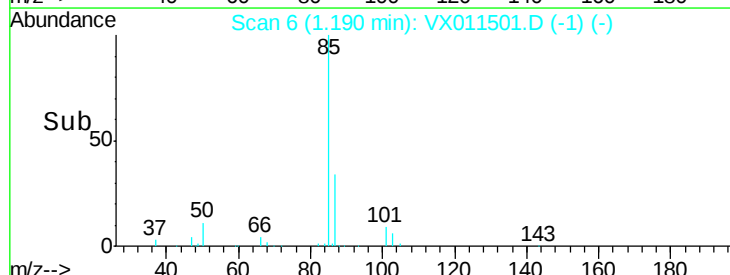
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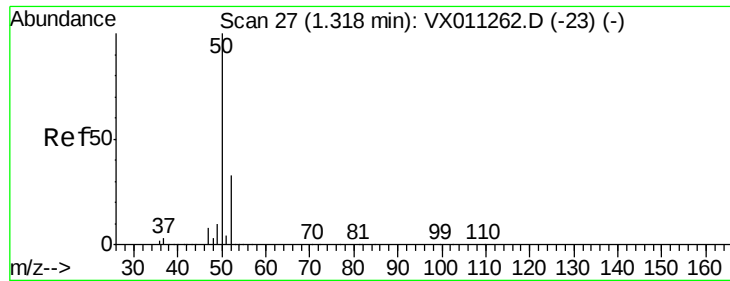
10000

5000

0

Time--> 1.15 1.20 1.25





#3

Chloromethane

Concen: 17.936 ug/l

RT: 1.32 min Scan# 27

Delta R.T. -0.00 min

Lab File: VX011501.D

Acq: 12 Aug 2019 22:53

Instrument :

MSVOA_X

ClientSampleId :

VX0812WBS02

Tot Ion: 50 Resp: 22749

Ion Ratio Lower Upper

50 100

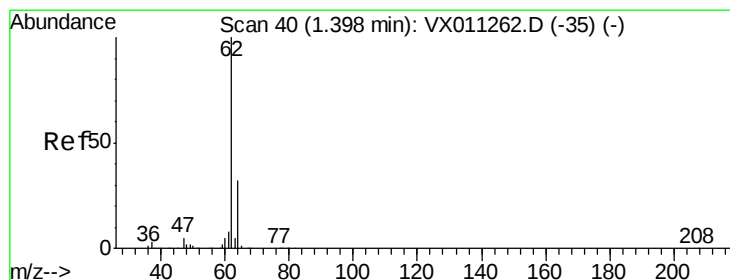
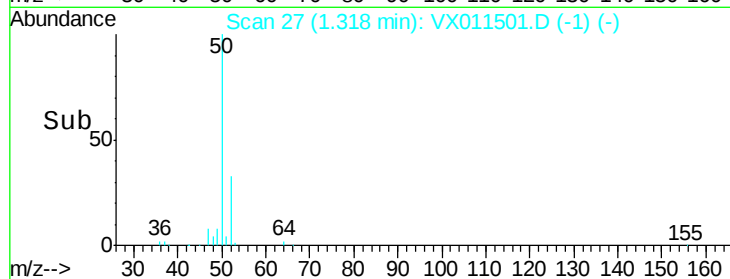
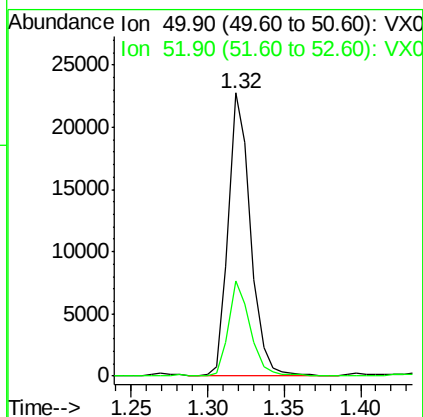
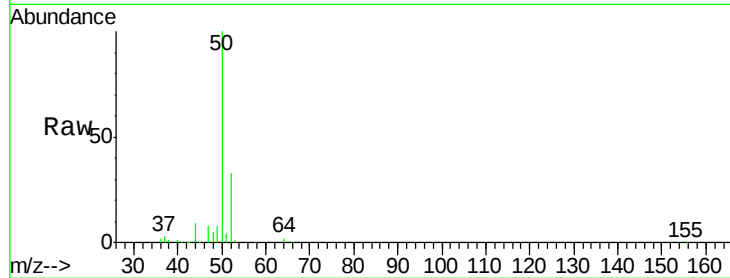
52 33.6 26.4 39.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.058 ug/l

RT: 1.40 min Scan# 40

Delta R.T. -0.00 min

Lab File: VX011501.D

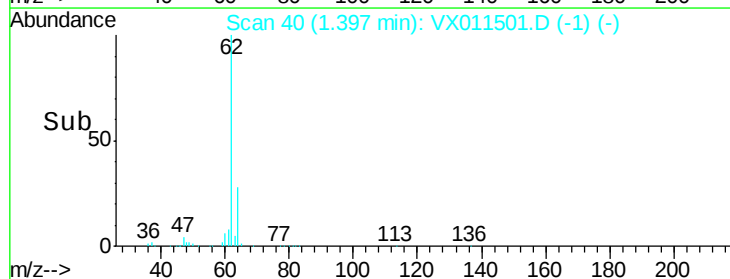
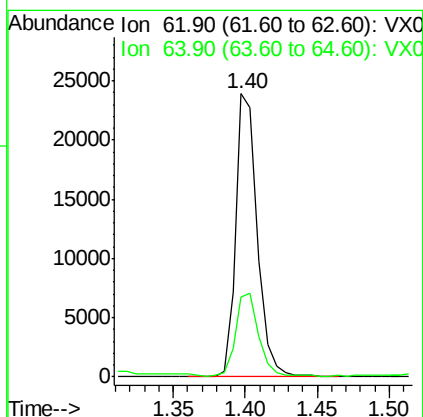
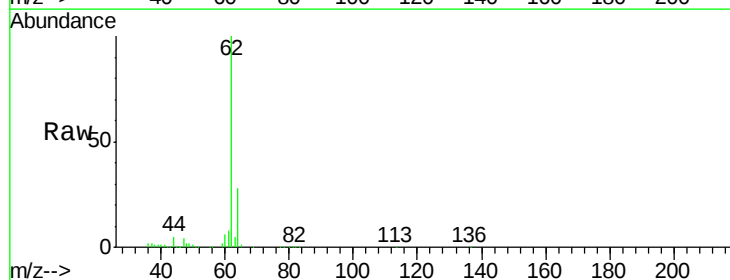
Acq: 12 Aug 2019 22:53

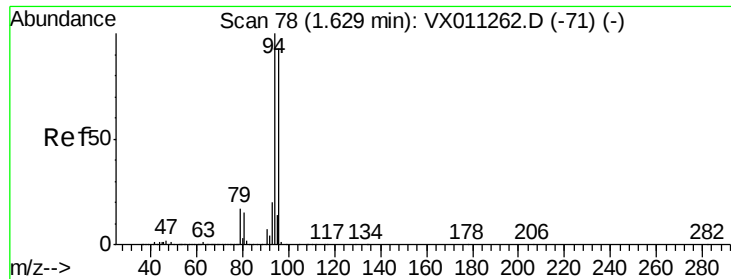
Tgt Ion: 62 Resp: 25194

Ion Ratio Lower Upper

62 100

64 27.8 26.0 39.0





#5

Bromomethane

Concen: 19.555 ug/l

RT: 1.63 min Scan# 78

Delta R.T. -0.00 min

Lab File: VX011501.D

Acq: 12 Aug 2019 22:53

Instrument :

MSVOA_X

ClientSampleId :

VX0812WBS02

Tot Ion: 94 Resp: 19458

Ion Ratio Lower Upper

94 100

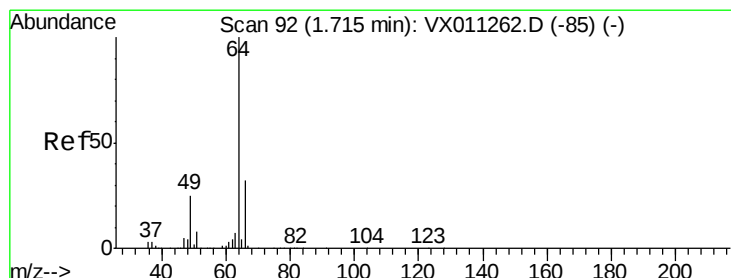
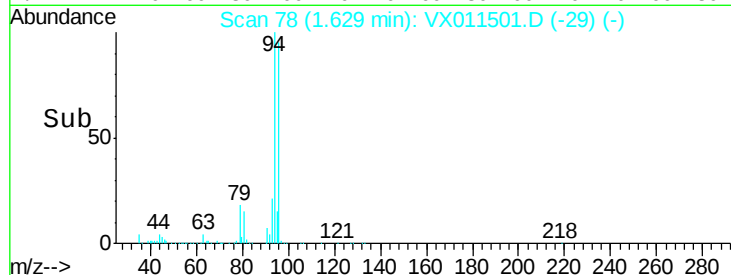
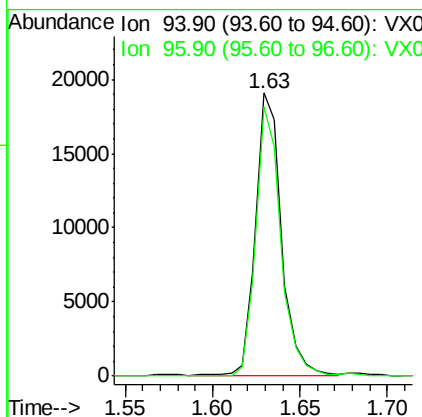
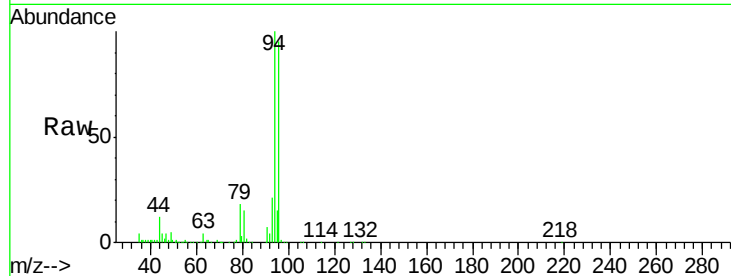
96 95.5 74.6 112.0

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#6

Chloroethane

Concen: 18.372 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX011501.D

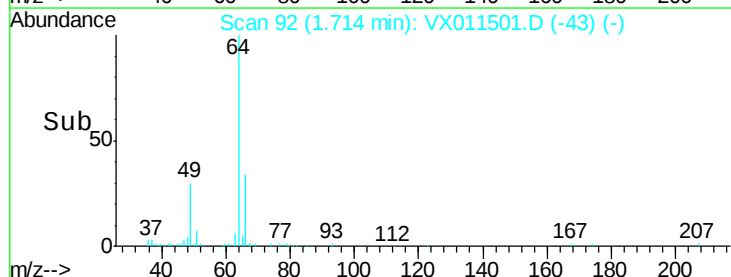
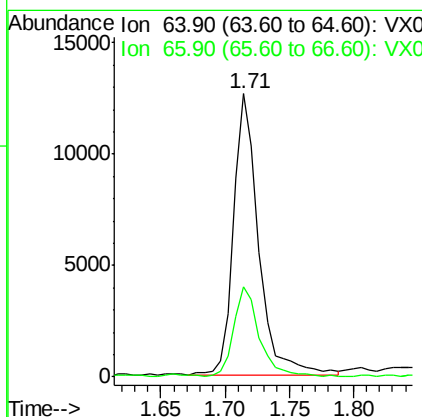
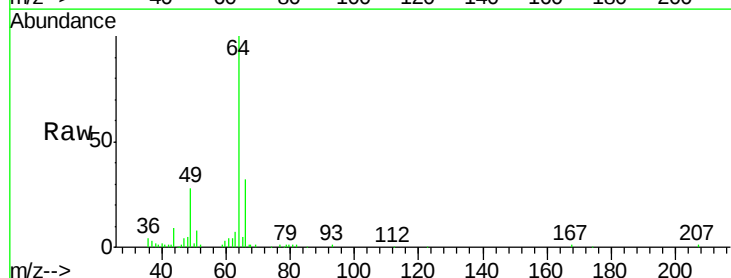
Acq: 12 Aug 2019 22:53

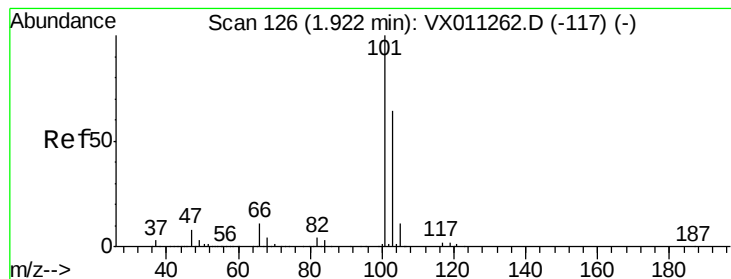
Tgt Ion: 64 Resp: 17300

Ion Ratio Lower Upper

64 100

66 32.3 25.1 37.7





#7

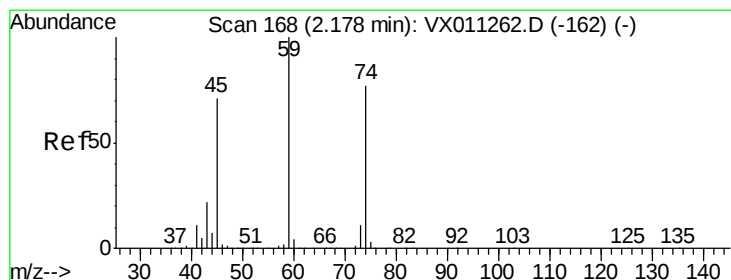
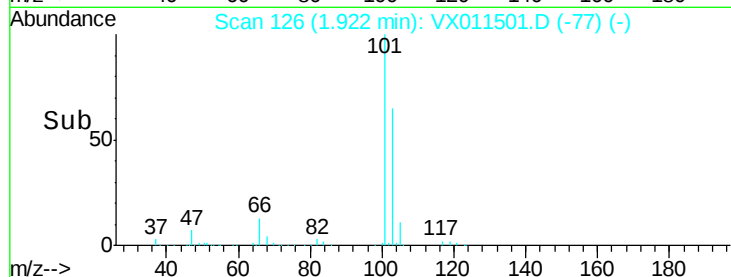
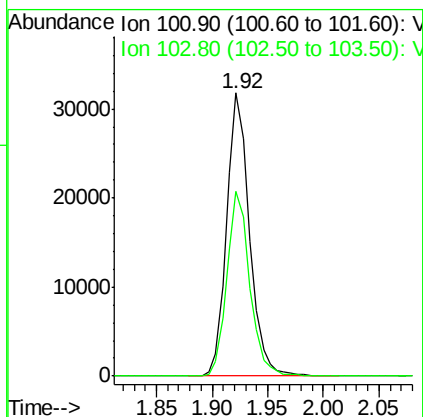
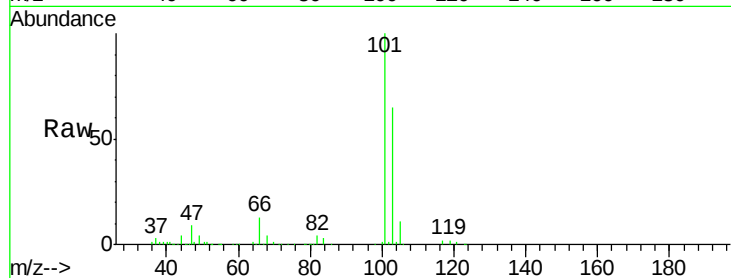
Trichlorofluoromethane
Concen: 18.180 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.00 min
Lab File: VX011501.D
Acq: 12 Aug 2019 22:53

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VX0812WBS02

Tot Ion	Ratio	Resp	Lower	Upper
101	100	45098		
103	65.3	50.9	76.3	

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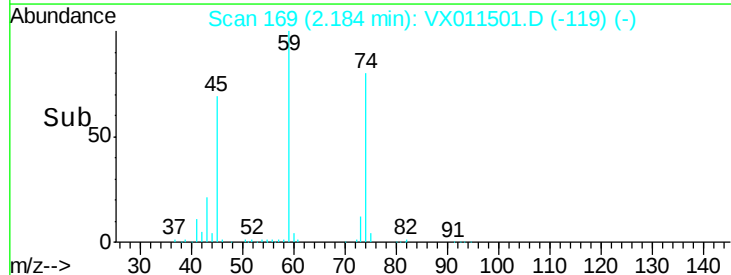
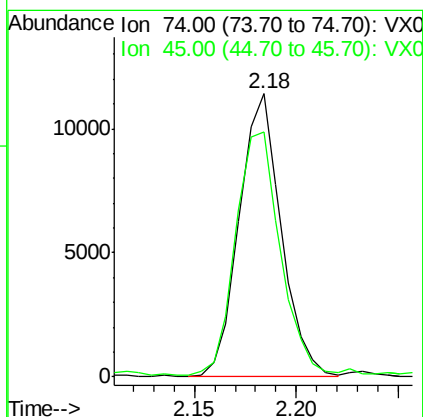
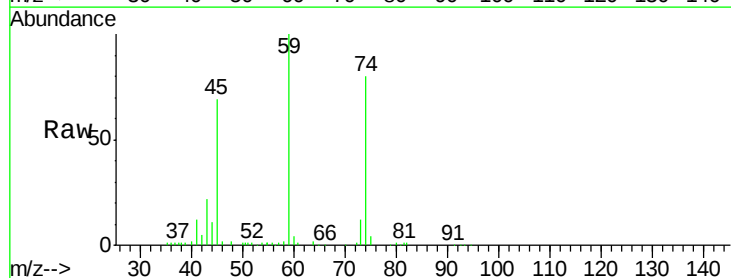
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#8

Diethyl Ether
Concen: 18.447 ug/l
RT: 2.18 min Scan# 169
Delta R.T. 0.01 min
Lab File: VX011501.D
Acq: 12 Aug 2019 22:53

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	16340		
45	91.1	46.1	138.3	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.471 ug/l

RT: 2.37 min Scan# 200

Delta R.T. -0.00 min

Lab File: VX011501.D

Acq: 12 Aug 2019 22:53

Instrument :

MSVOA_X

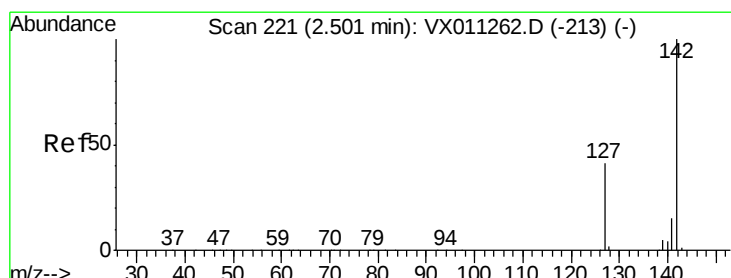
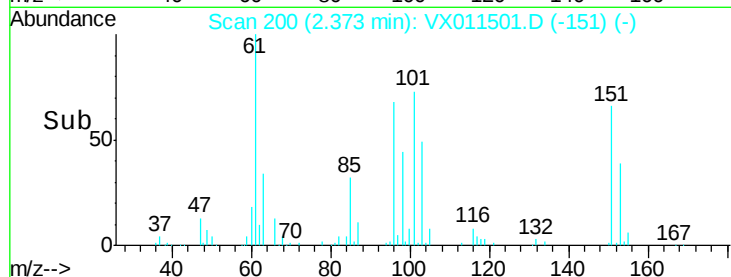
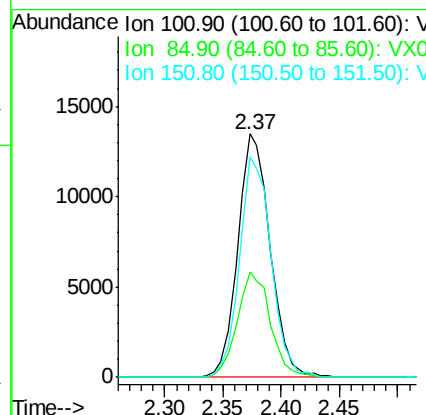
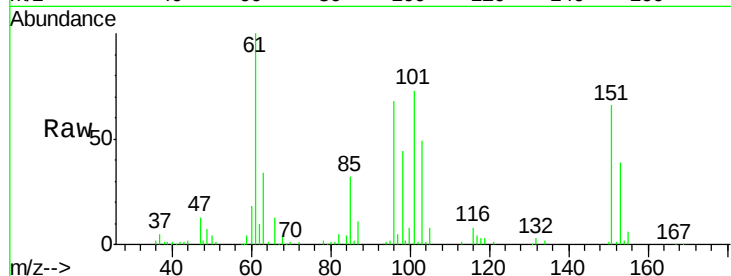
ClientSampleId :

VX0812WBS02

Tot Ion:	101	Resp:	26135
Ion	Ratio	Lower	Upper
101	100		
85	44.3	33.8	50.6
151	88.7	69.5	104.3

Manual Integrations
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#10

Methyl Iodide

Concen: 15.308 ug/l

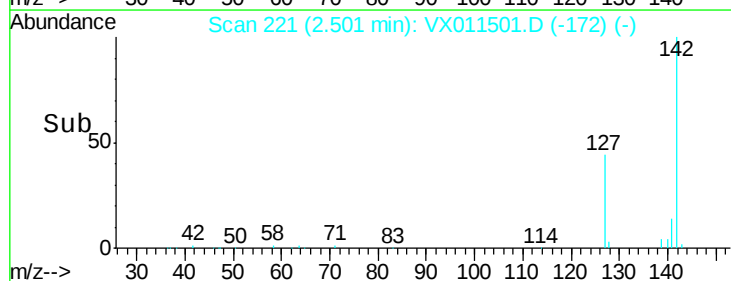
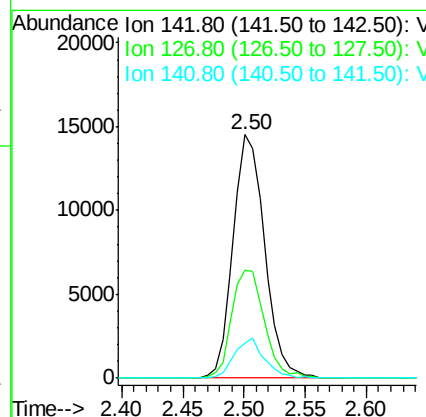
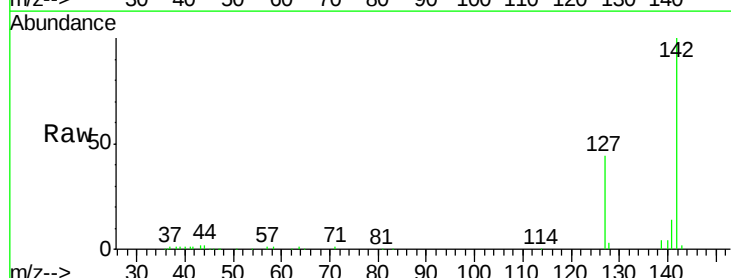
RT: 2.50 min Scan# 221

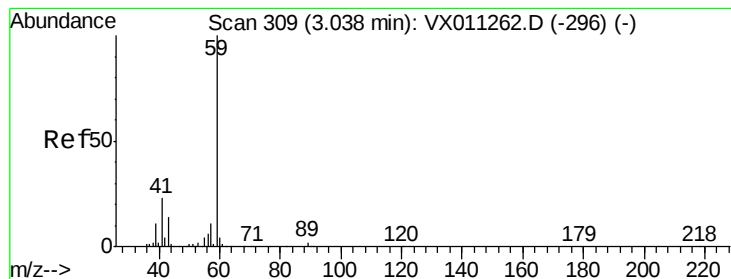
Delta R.T. -0.00 min

Lab File: VX011501.D

Acq: 12 Aug 2019 22:53

Tgt Ion:	142	Resp:	25905
Ion	Ratio	Lower	Upper
142	100		
127	45.9	33.8	50.8
141	15.6	11.4	17.2





#11

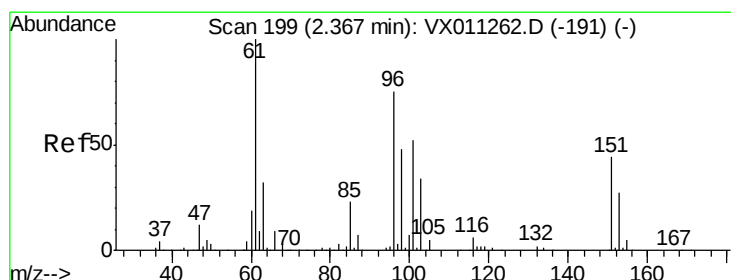
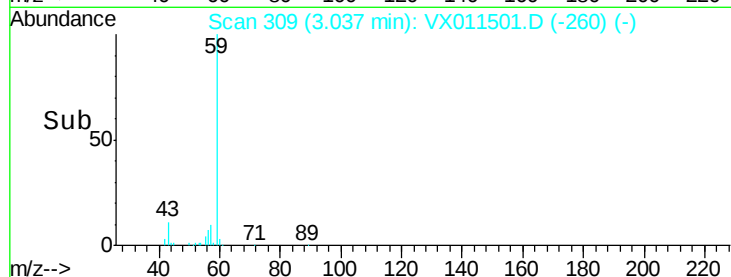
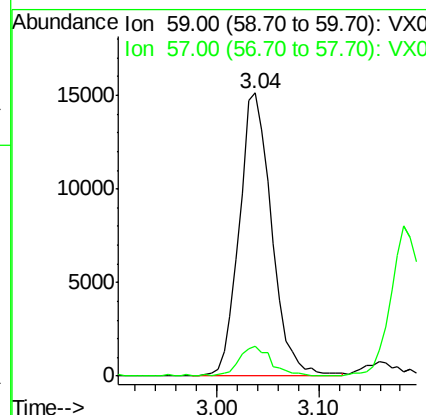
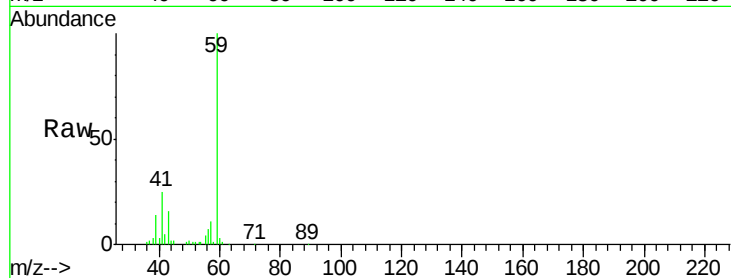
Tert butyl alcohol
 Concen: 113.630 ug/l
 RT: 3.04 min Scan# 309
 Delta R.T. 0.00 min
 Lab File: VX011501.D
 Acq: 12 Aug 2019 22:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0812WBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.3	12.5

Manual Integrations
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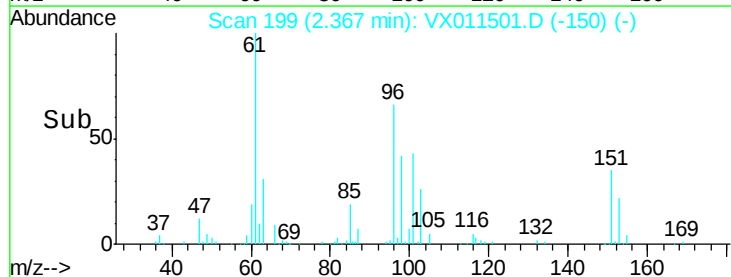
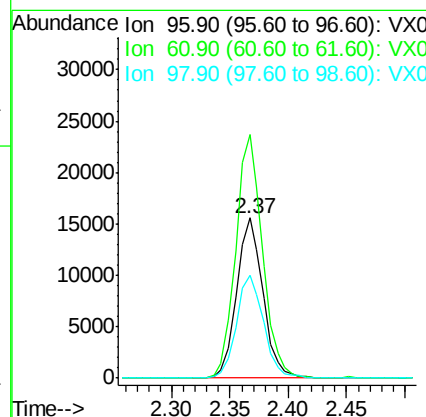
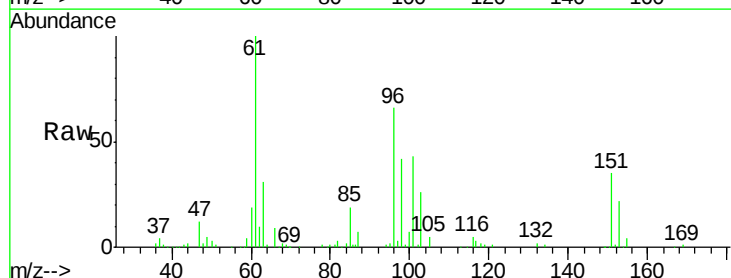
MMDadoda
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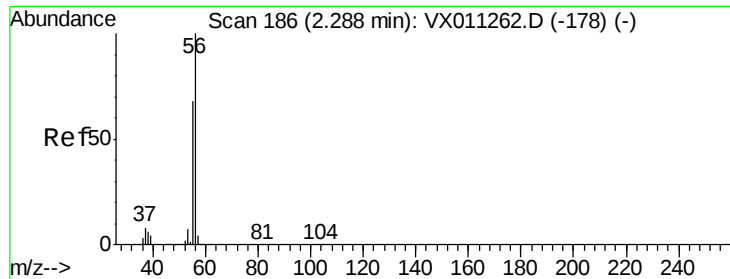


#12

1,1-Dichloroethene
 Concen: 18.499 ug/l
 RT: 2.37 min Scan# 199
 Delta R.T. -0.00 min
 Lab File: VX011501.D
 Acq: 12 Aug 2019 22:53

Tgt Ion	Ratio	Lower	Upper
96	100		
61	152.1	106.2	159.2
98	63.8	50.6	75.8





#13

Acrolein

Concen: 82.774 ug/l

RT: 2.29 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX011501.D

Acq: 12 Aug 2019 22:53

Instrument :

MSVOA_X

ClientSampleId :

VX0812WBS02

Tot Ion: 56 Resp: 15158

Ion Ratio Lower Upper

56 100

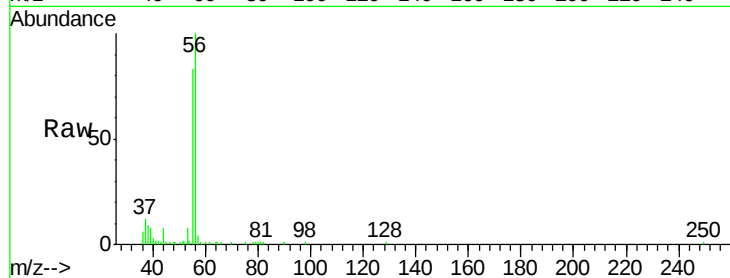
55 76.0 56.0 84.0

Manual Integrations

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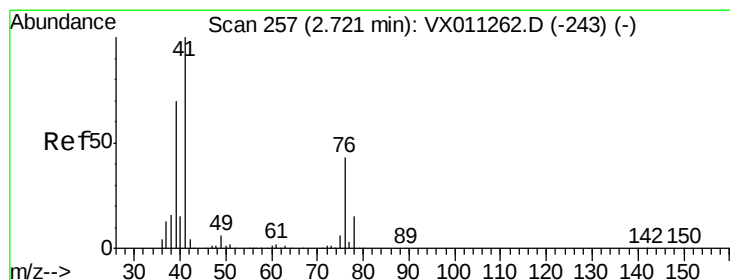
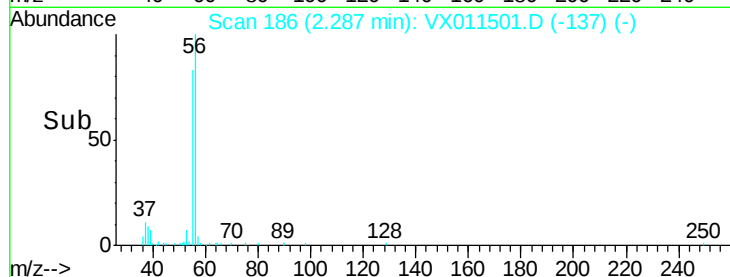
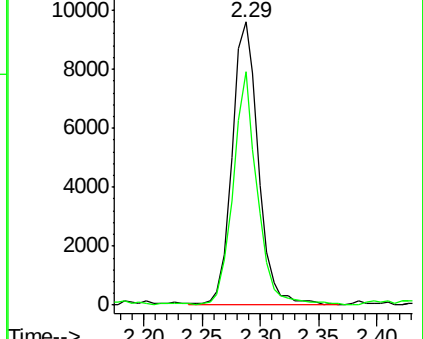
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 21.206 ug/l

RT: 2.72 min Scan# 257

Delta R.T. -0.00 min

Lab File: VX011501.D

Acq: 12 Aug 2019 22:53

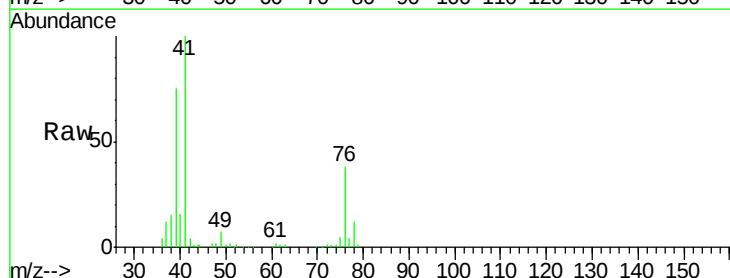
Tgt Ion: 41 Resp: 37615

Ion Ratio Lower Upper

41 100

39 69.1 52.8 79.2

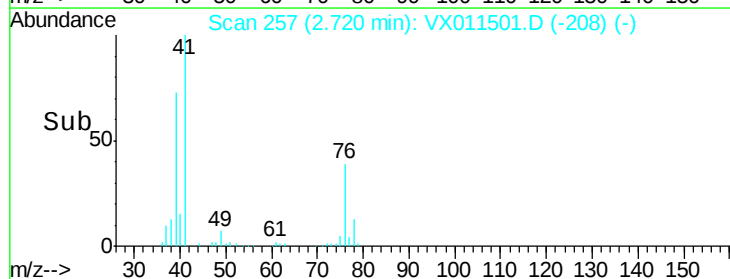
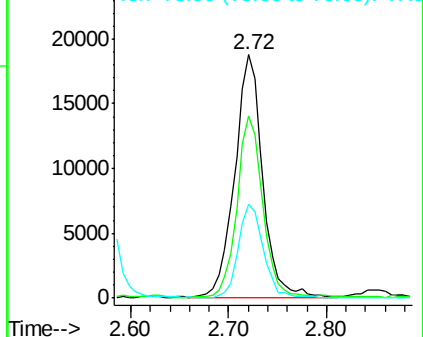
76 34.3 31.1 46.7



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: 111.266 ug/l

RT: 3.13 min Scan# 325

Delta R.T. -0.00 min

Lab File: VX011501.D

Acq: 12 Aug 2019 22:53

Instrument :

MSVOA_X

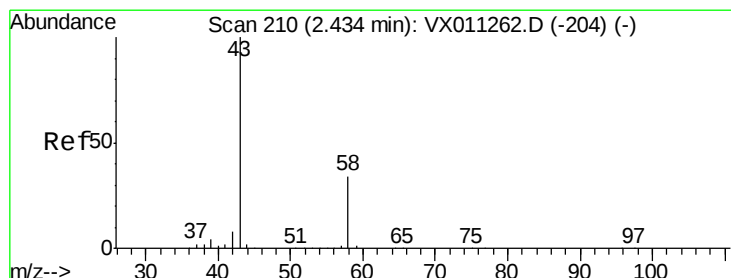
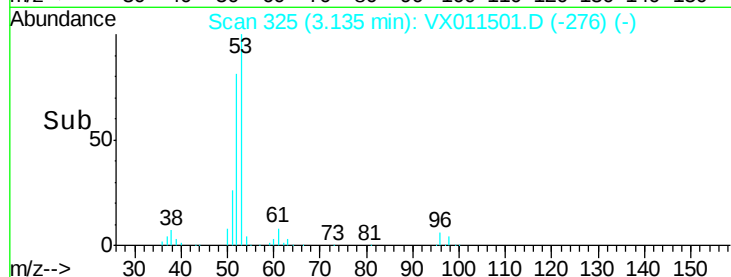
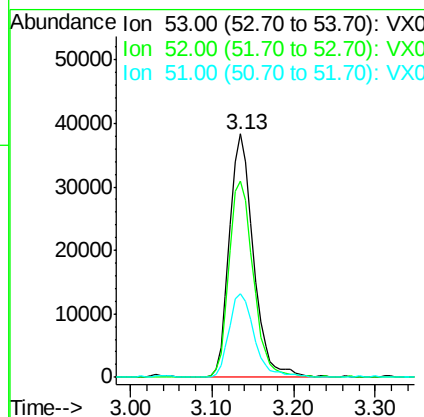
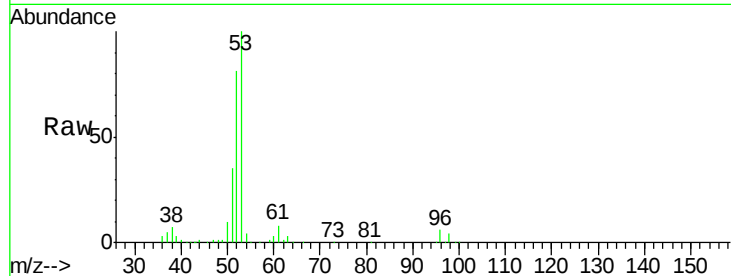
ClientSampleId :

VX0812WBS02

Tot Ion:	53	Resp:	77974
Ion	Ratio	Lower	Upper
53	100		
52	81.4	65.5	98.3
51	35.7	27.9	41.9

Manual Integrations
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#16

Acetone

Concen: 99.919 ug/l

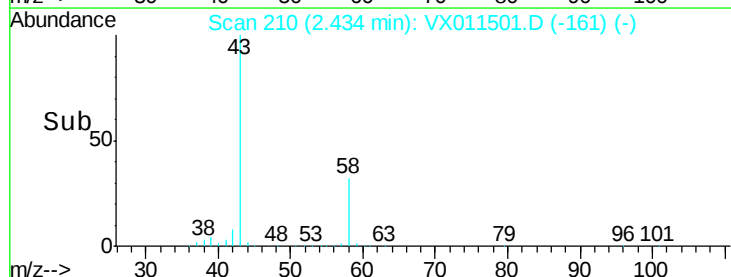
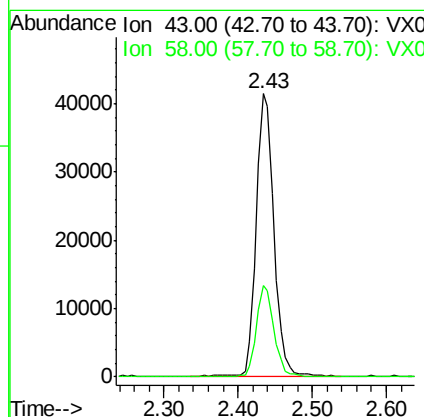
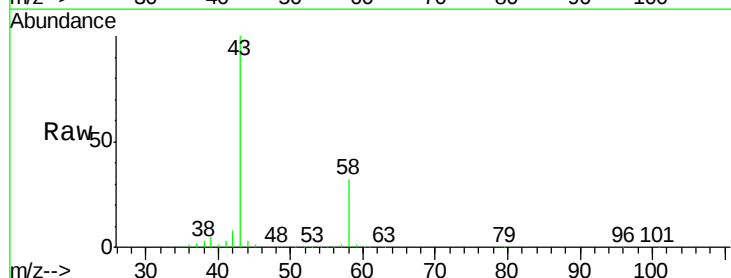
RT: 2.43 min Scan# 210

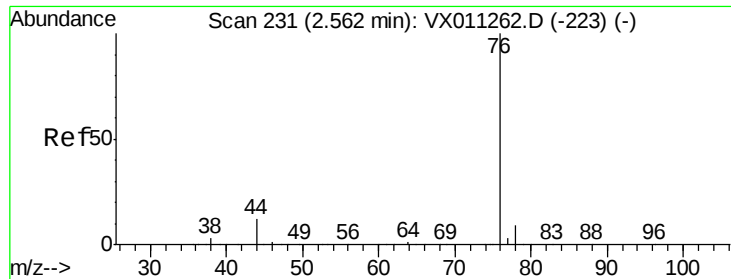
Delta R.T. -0.00 min

Lab File: VX011501.D

Acq: 12 Aug 2019 22:53

Tgt Ion:	43	Resp:	70041
Ion	Ratio	Lower	Upper
43	100		
58	32.2	27.4	41.0





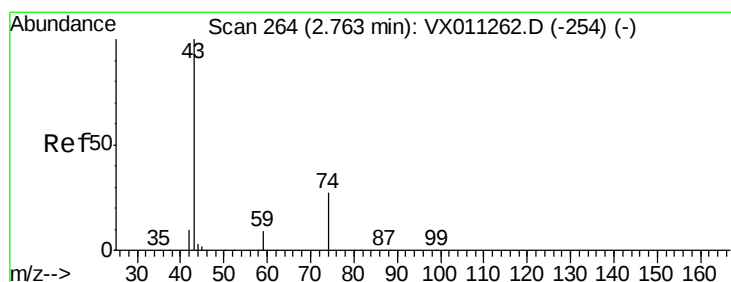
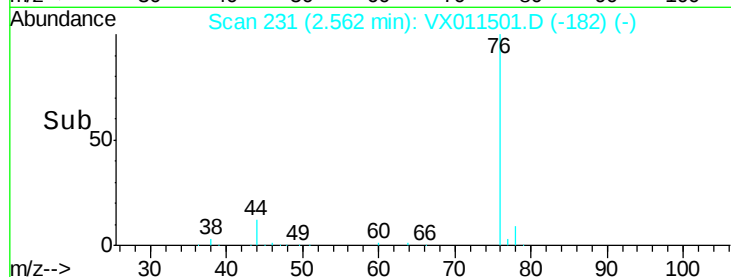
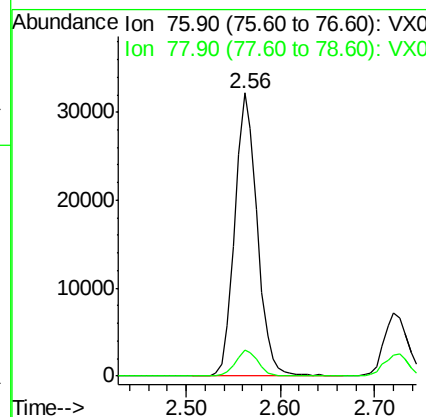
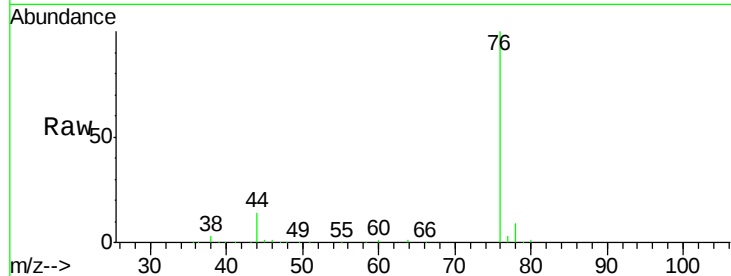
#17
Carbon Disulfide
Concen: 17.033 ug/l
RT: 2.56 min Scan# 231
Delta R.T. -0.00 min
Lab File: VX011501.D
Acq: 12 Aug 2019 22:53

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.4	11.0

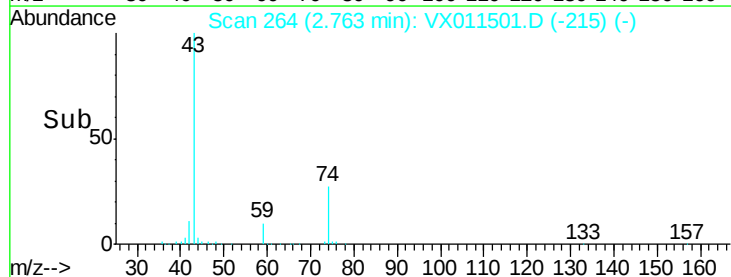
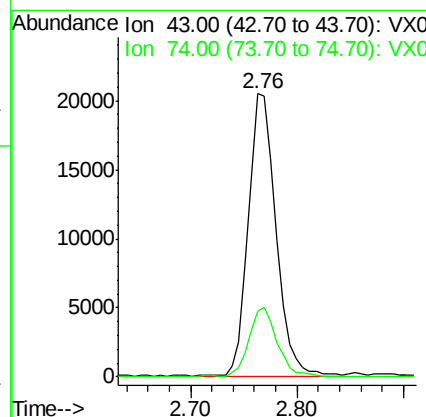
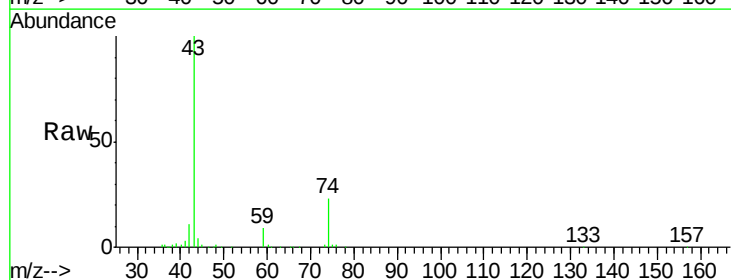
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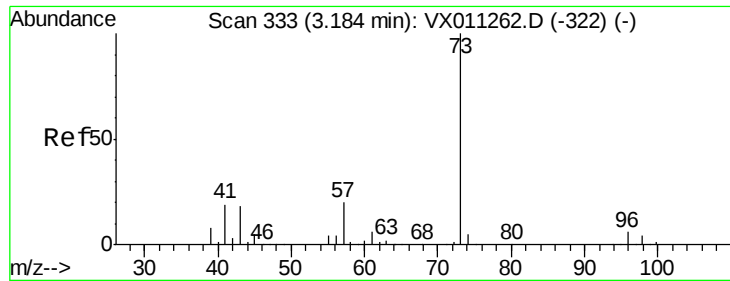
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#18
Methyl Acetate
Concen: 23.445 ug/l
RT: 2.76 min Scan# 264
Delta R.T. -0.00 min
Lab File: VX011501.D
Acq: 12 Aug 2019 22:53

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.3	21.0	31.6





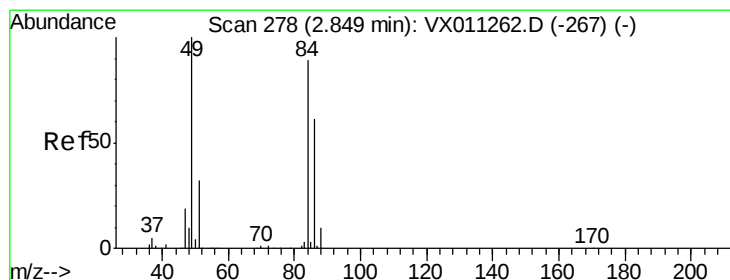
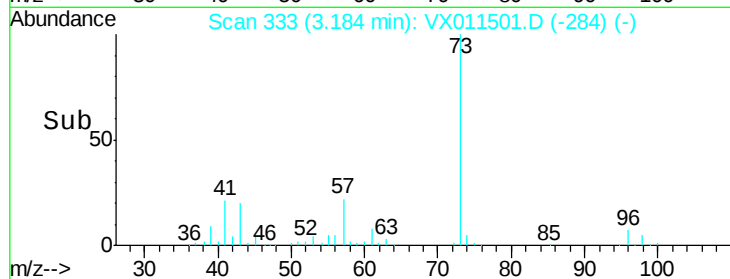
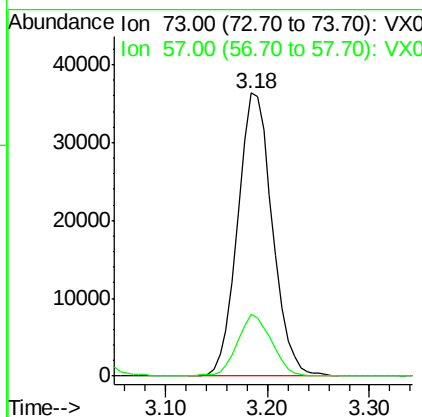
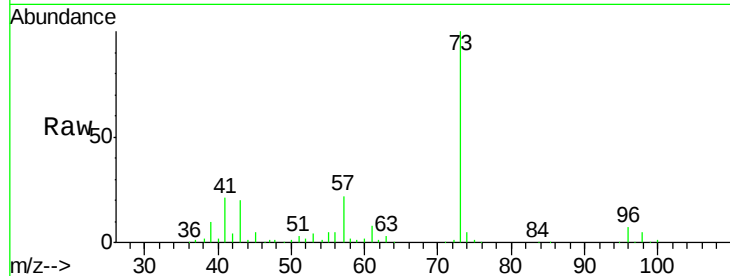
#19
Methvl tert-butvl Ether
Concen: 21.858 ug/l
RT: 3.18 min Scan# 333
Delta R.T. -0.00 min
Lab File: VX011501.D
Acq: 12 Aug 2019 22:53

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS02

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.0	16.2	24.2

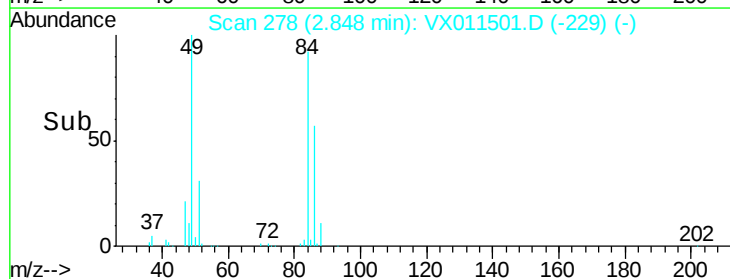
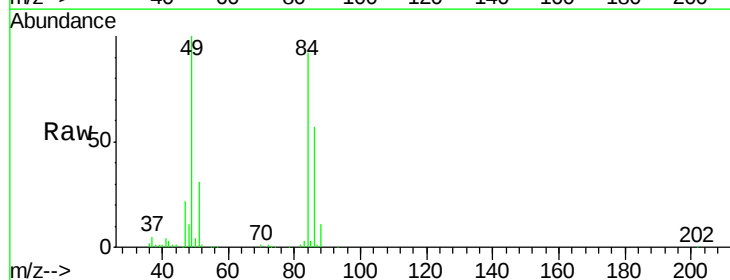
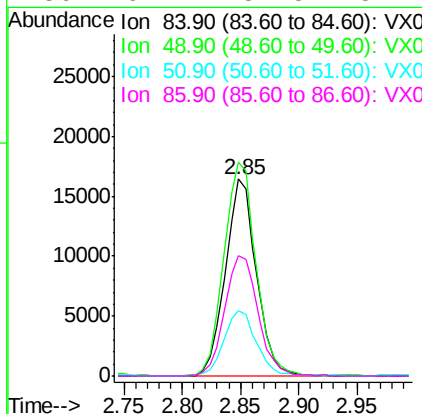
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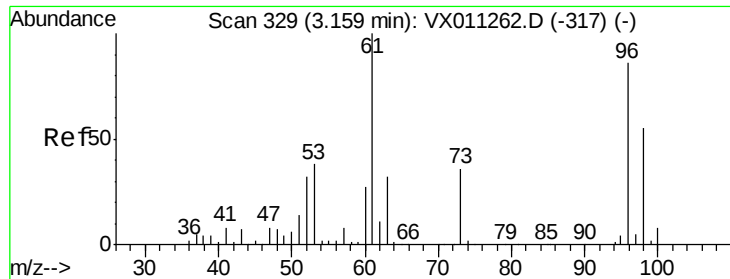
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#20
Methylene Chloride
Concen: 19.783 ug/l
RT: 2.85 min Scan# 278
Delta R.T. -0.00 min
Lab File: VX011501.D
Acq: 12 Aug 2019 22:53

Tgt Ion	Ratio	Lower	Upper
84	100		
49	107.9	89.3	133.9
51	33.5	28.3	42.5
86	61.4	54.5	81.7





#21

trans-1,2-Dichloroethene

Concen: 19.108 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX011501.D

Acq: 12 Aug 2019 22:53

Instrument :

MSVOA_X

ClientSampleId :

VX0812WBS02

Tot Ion: 96 Resp: 26894

Ion Ratio Lower Upper

96 100

61 125.4 92.8 139.2

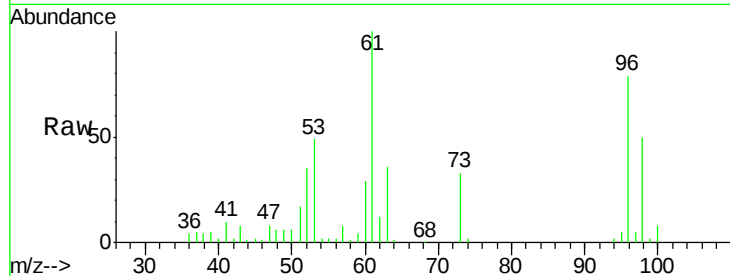
98 63.4 51.2 76.8

Manual Integrations

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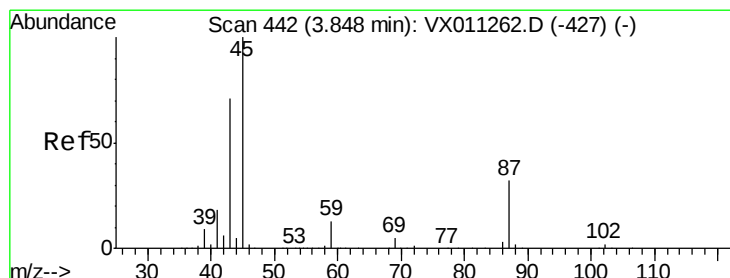
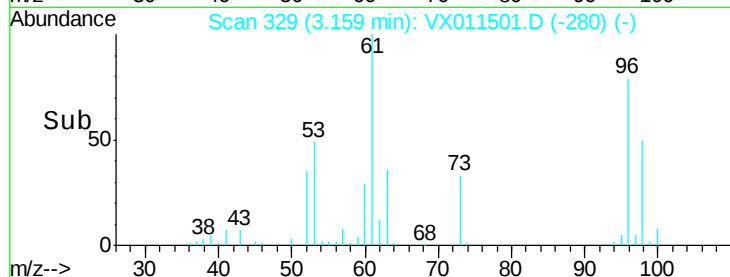
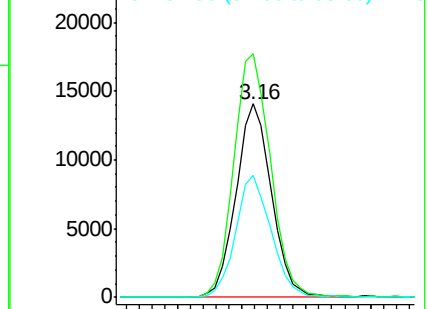
8/14/2019 9:12:31 AM



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: 21.444 ug/l

RT: 3.85 min Scan# 442

Delta R.T. -0.00 min

Lab File: VX011501.D

Acq: 12 Aug 2019 22:53

Tgt Ion: 45 Resp: 83601

Ion Ratio Lower Upper

45 100

43 77.5 56.8 85.2

87 29.3 25.8 38.6

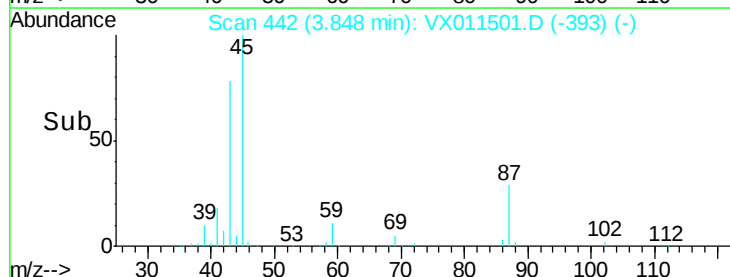
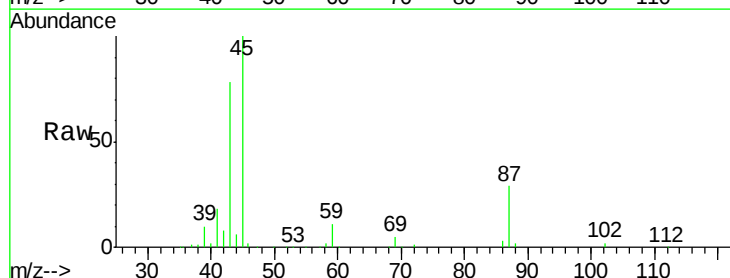
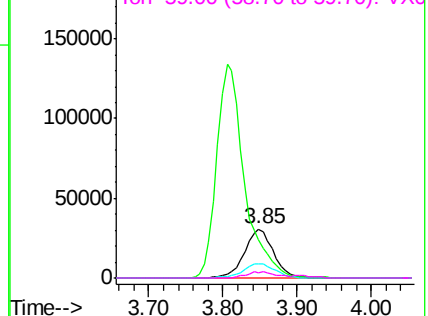
59 11.1 10.3 15.5

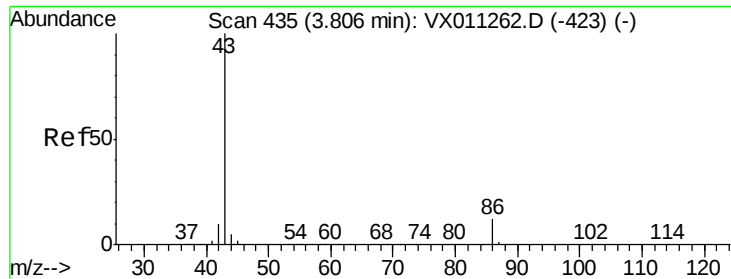
Abundance Ion 45.00 (44.70 to 45.70): VX0

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: 107.583 ug/l

RT: 3.81 min Scan# 435

Delta R.T. -0.00 min

Lab File: VX011501.D

Acq: 12 Aug 2019 22:53

Instrument :

MSVOA_X

ClientSampleId :

VX0812WBS02

Tot Ion: 43 Resp: 347862

Ion Ratio Lower Upper

43 100

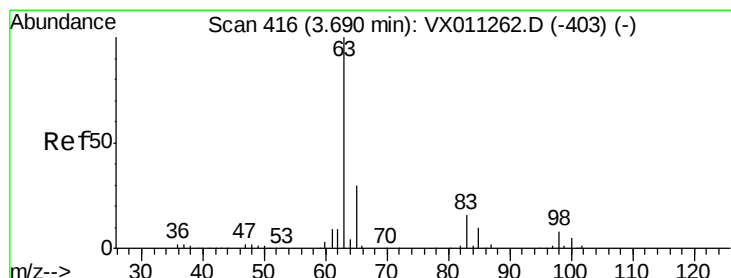
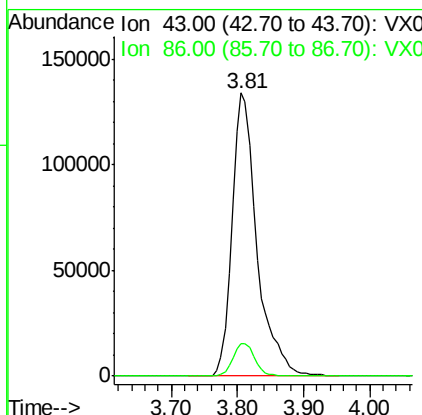
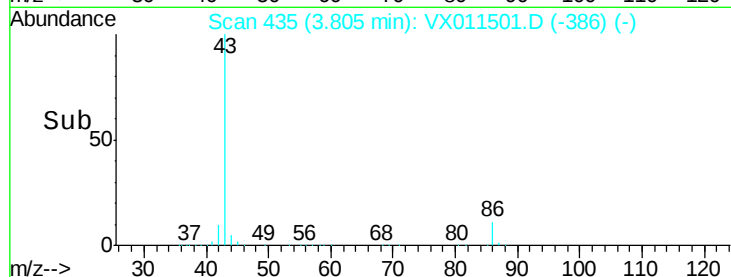
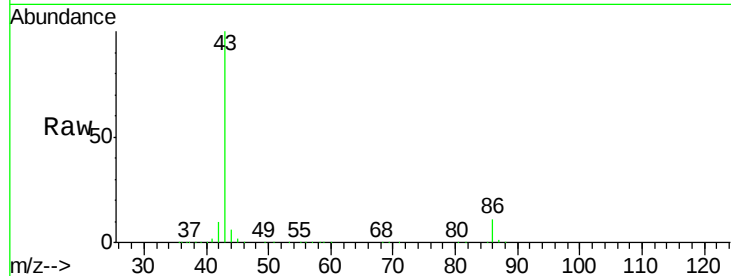
86 11.4 9.6 14.4

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#24

1,1-Dichloroethane

Concen: 21.121 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.00 min

Lab File: VX011501.D

Acq: 12 Aug 2019 22:53

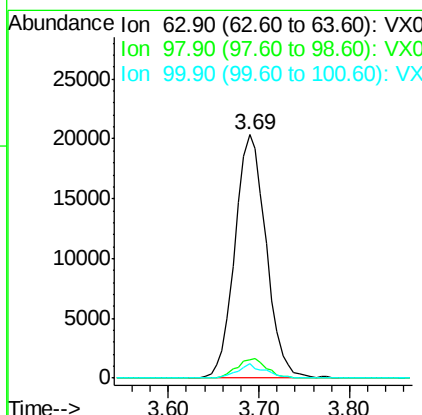
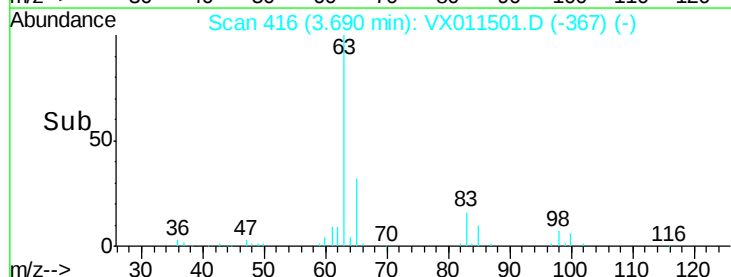
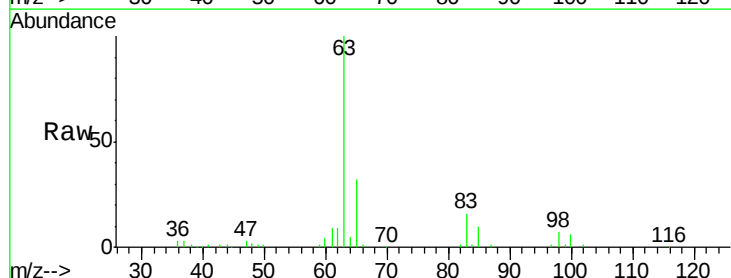
Tgt Ion: 63 Resp: 48552

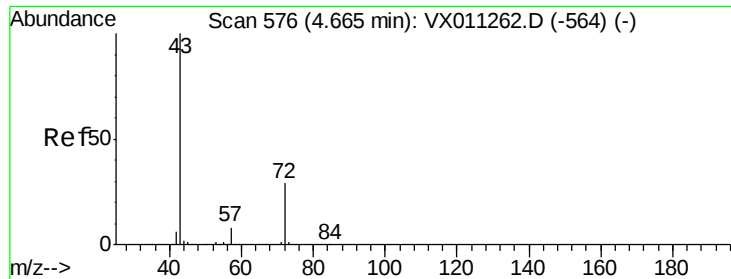
Ion Ratio Lower Upper

63 100

98 7.4 3.9 11.5

100 5.8 2.7 8.1





#25

2-Butanone

Concen: 107.193 ug/l

RT: 4.67 min Scan# 576

Delta R.T. -0.00 min

Lab File: VX011501.D

Acq: 12 Aug 2019 22:53

Instrument :

MSVOA_X

ClientSampleId :

VX0812WBS02

Tot Ion: 43 Resp: 106887

Ion Ratio Lower Upper

43 100

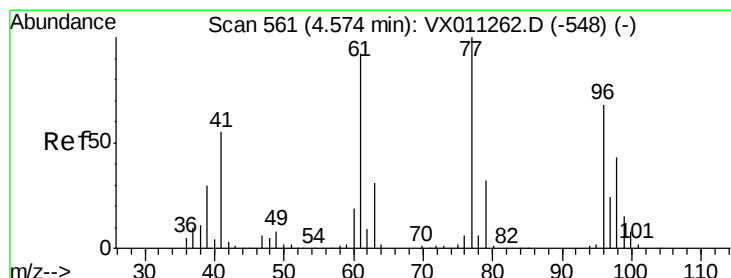
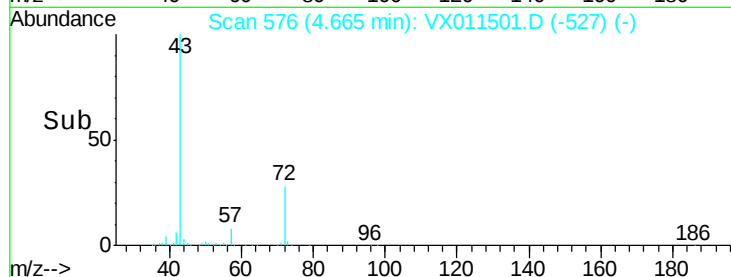
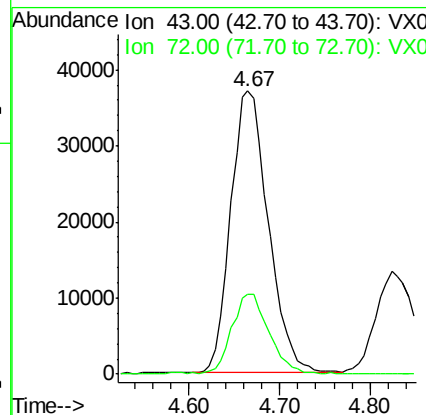
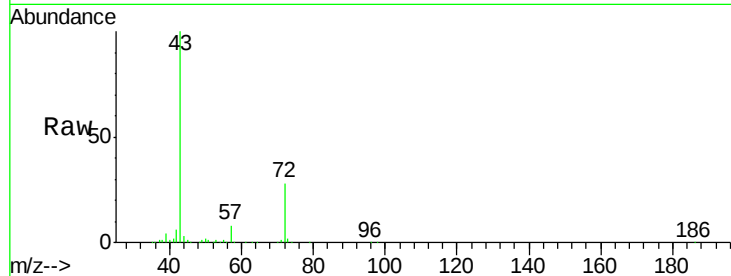
72 28.1 23.2 34.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 16.836 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.01 min

Lab File: VX011501.D

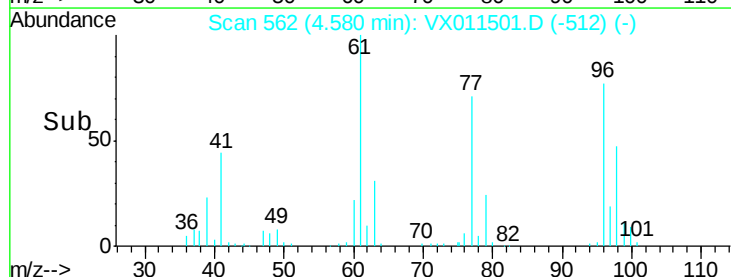
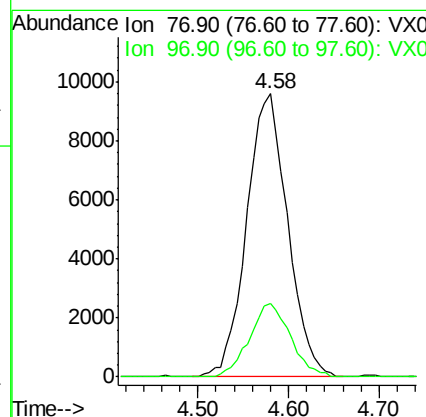
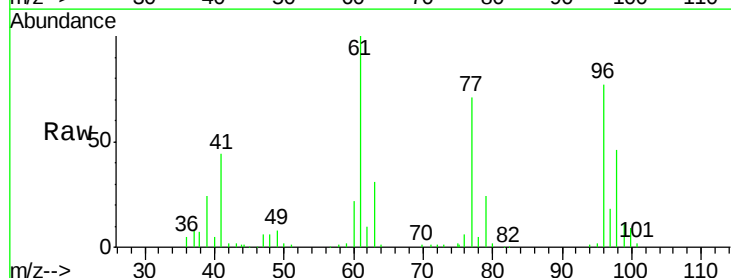
Acq: 12 Aug 2019 22:53

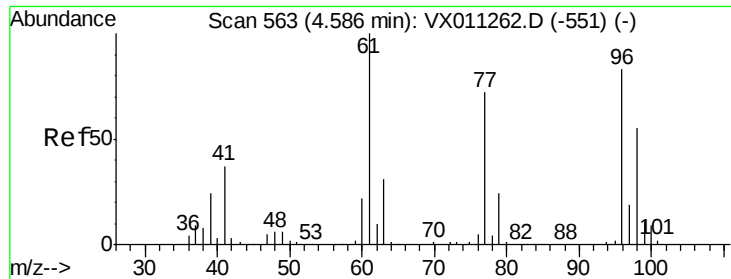
Tgt Ion: 77 Resp: 30086

Ion Ratio Lower Upper

77 100

97 25.9 12.8 38.4





#27

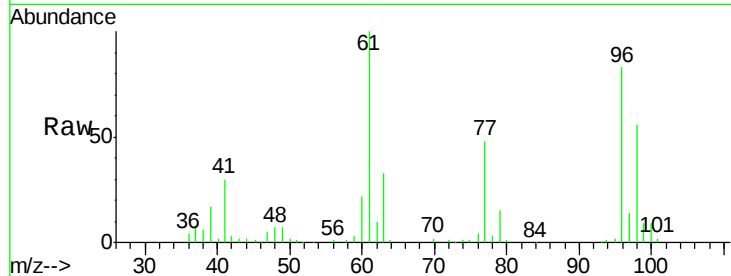
cis-1,2-Dichloroethene
Concen: 20.237 ug/l
RT: 4.59 min Scan# 564
Delta R.T. 0.01 min
Lab File: VX011501.D
Acq: 12 Aug 2019 22:53

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS02

Tot Ion	Ratio	Resp	Lower	Upper
96	100	32807		
61	129.4		0.0	260.2
98	64.5		0.0	133.2

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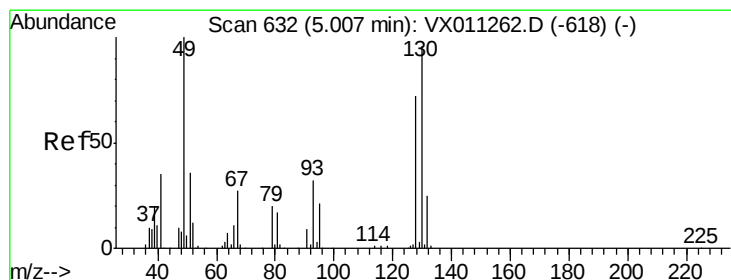
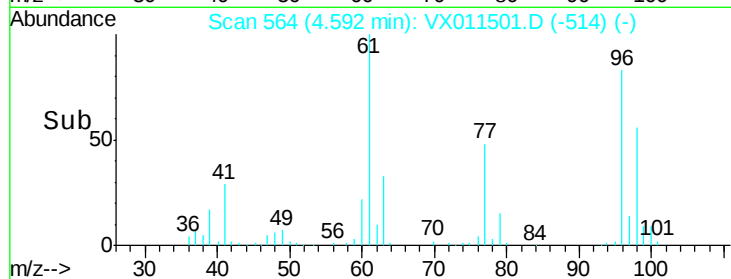
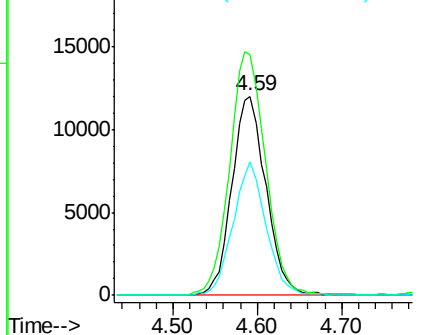


Abundance

Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

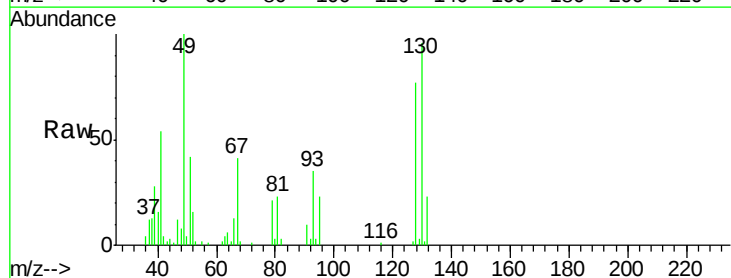
Ion 97.90 (97.60 to 98.60): VX0



#28

Bromochloromethane
Concen: 20.521 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.01 min
Lab File: VX011501.D
Acq: 12 Aug 2019 22:53

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	21506		
129	2.2		0.0	5.8
130	96.2		77.9	116.9

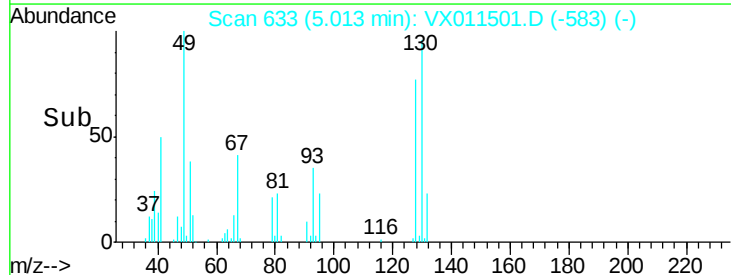
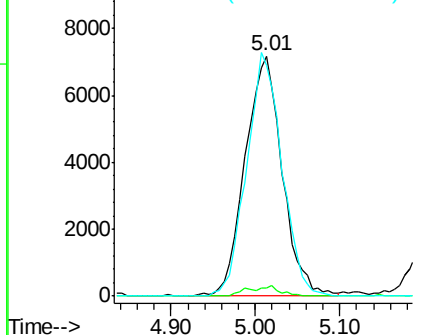


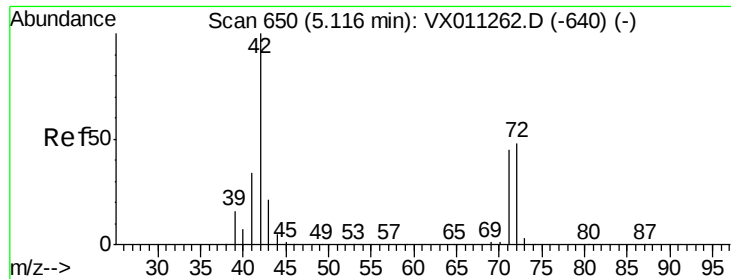
Abundance

Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





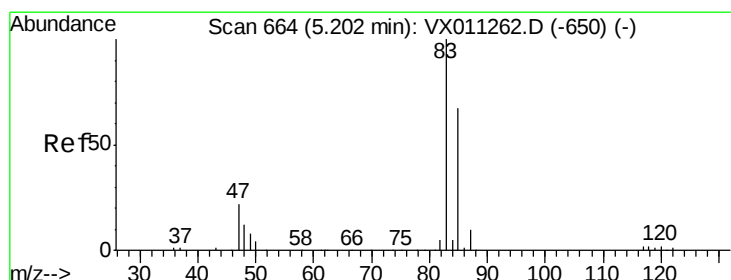
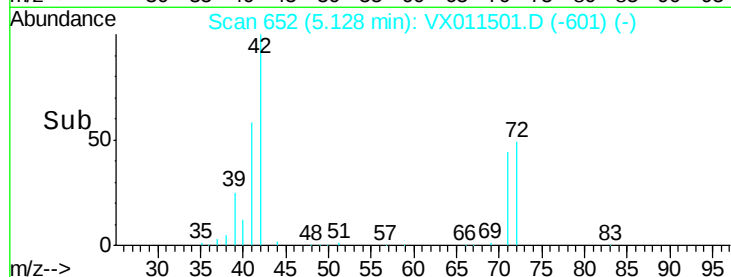
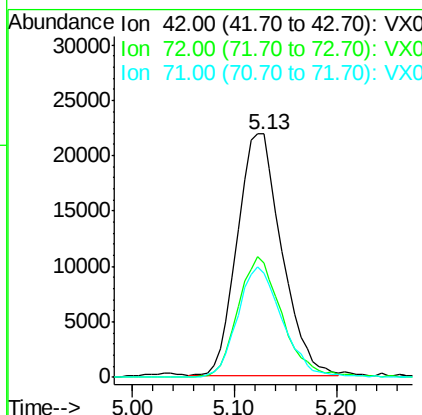
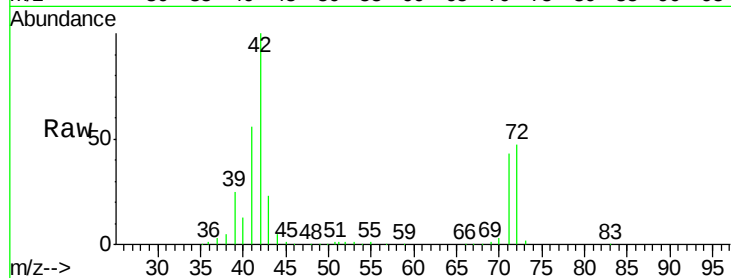
#29
Tetrahydrofuran
Concen: 107.658 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.01 min
Lab File: VX011501.D
Acq: 12 Aug 2019 22:53

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.8	39.9	59.9
71	46.3	36.9	55.3

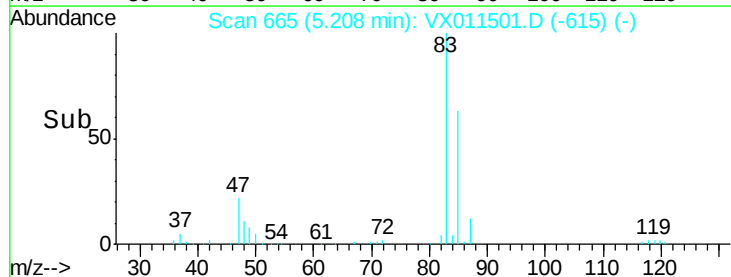
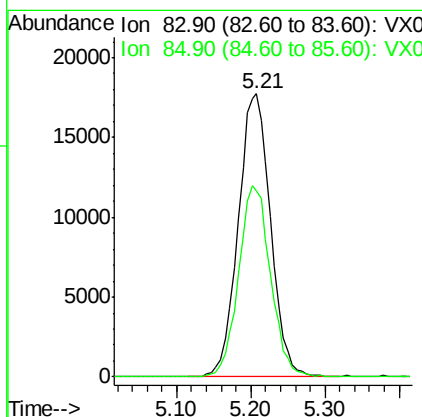
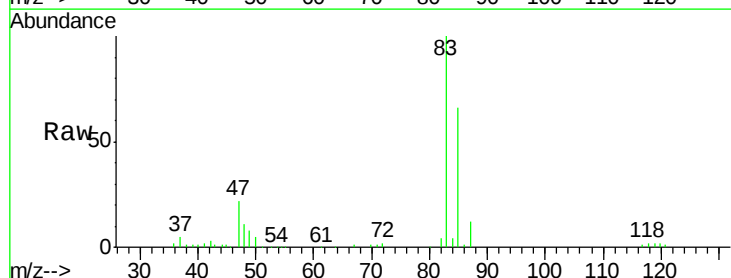
Manual Integrations
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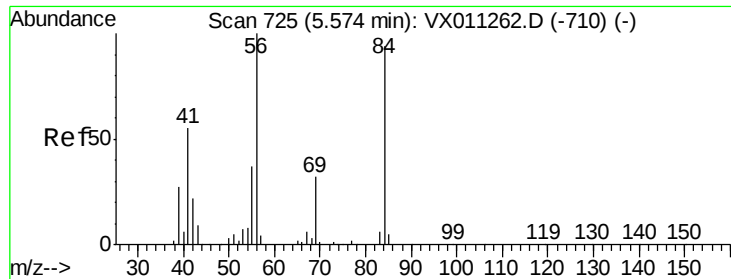
MMDadoda
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#30
Chloroform
Concen: 21.621 ug/l
RT: 5.21 min Scan# 665
Delta R.T. 0.01 min
Lab File: VX011501.D
Acq: 12 Aug 2019 22:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	53.4	80.0





#31

Cyclohexane

Concen: 19.107 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.00 min

Lab File: VX011501.D

Acq: 12 Aug 2019 22:53

Instrument :

MSVOA_X

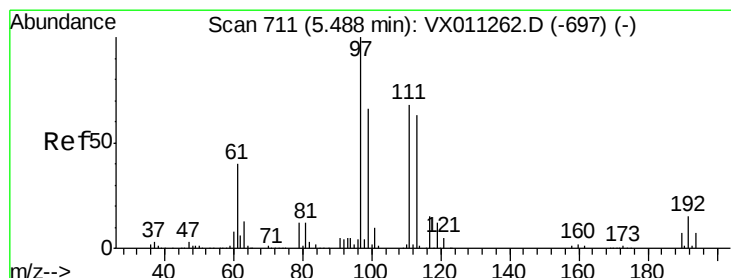
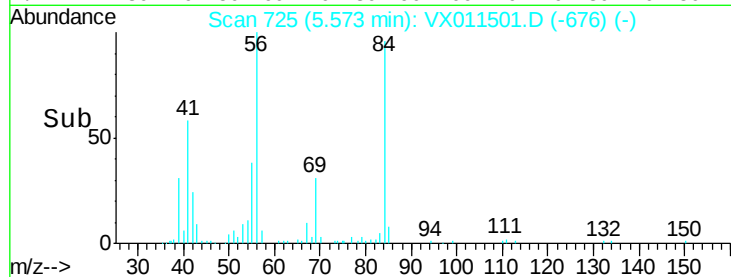
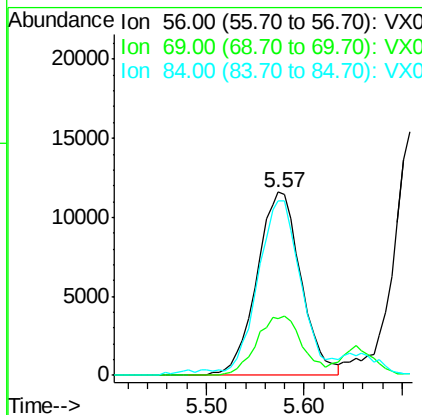
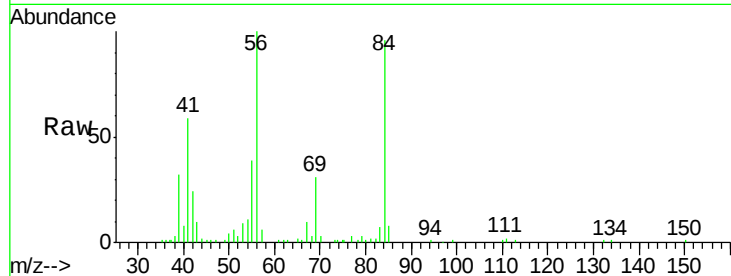
ClientSampleId :

VX0812WBS02

Tot Ion:	56	Resp:	36237
Ion	Ratio	Lower	Upper
56	100		
69	31.4	25.5	38.3
84	92.7	75.0	112.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 21.734 ug/l

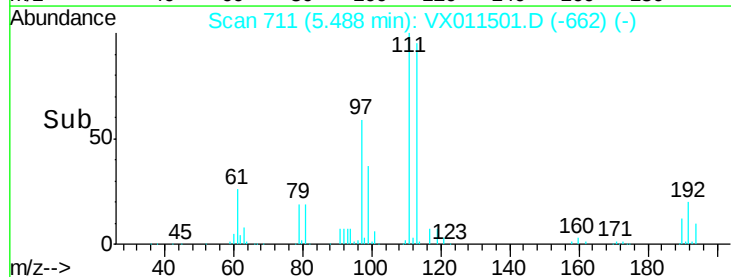
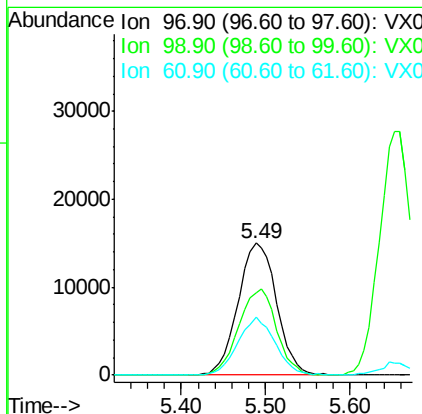
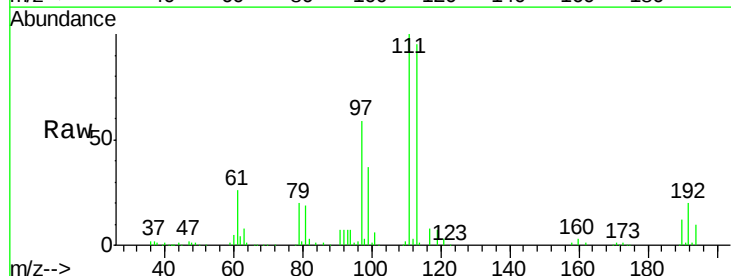
RT: 5.49 min Scan# 711

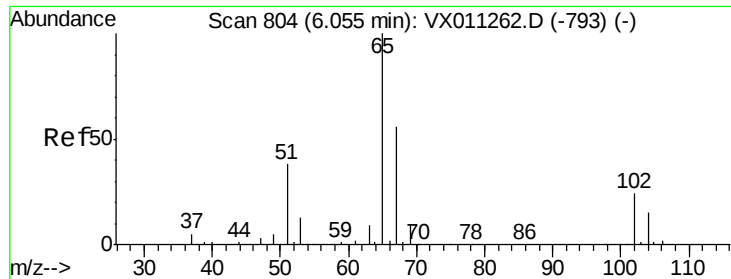
Delta R.T. -0.00 min

Lab File: VX011501.D

Acq: 12 Aug 2019 22:53

Tgt Ion:	97	Resp:	46516
Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.6	77.4
61	42.5	32.3	48.5





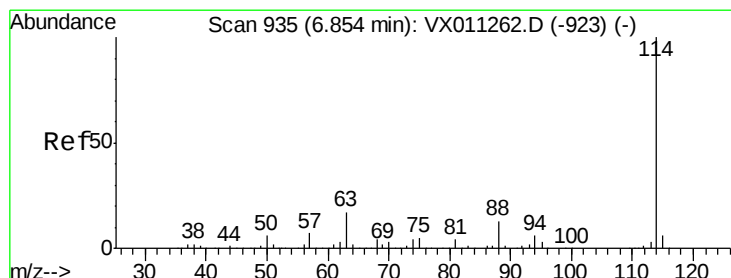
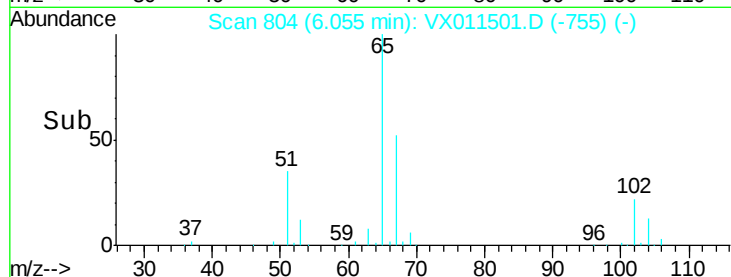
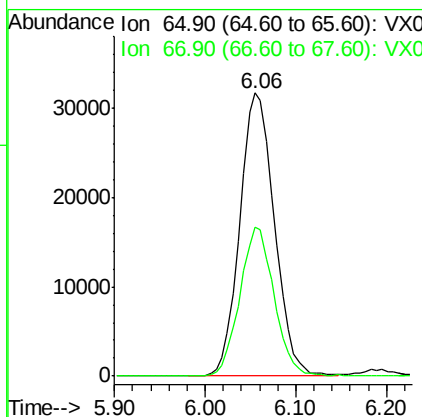
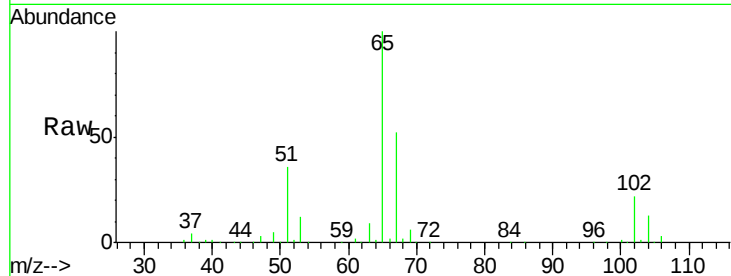
#33
 1,2-Dichloroethane-d4
 Concen: 56.903 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. -0.00 min
 Lab File: VX011501.D
 Acq: 12 Aug 2019 22:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0812WBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	83801		
67	51.9	0.0	110.6	

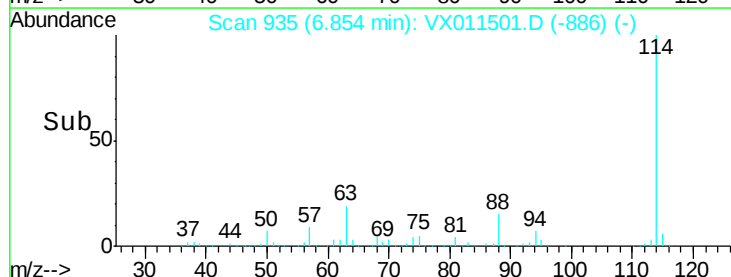
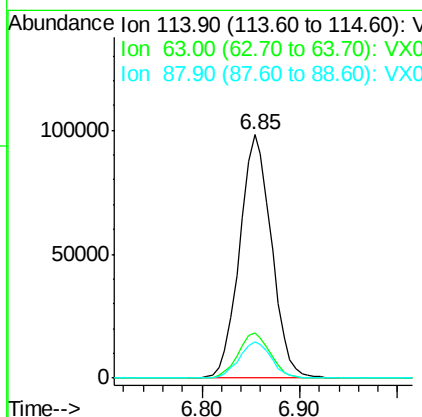
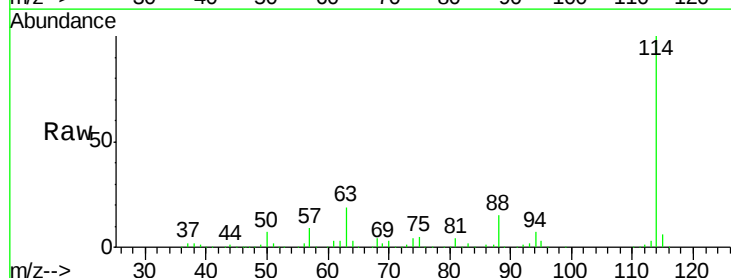
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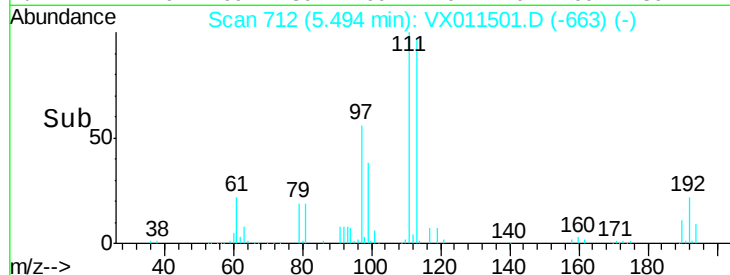
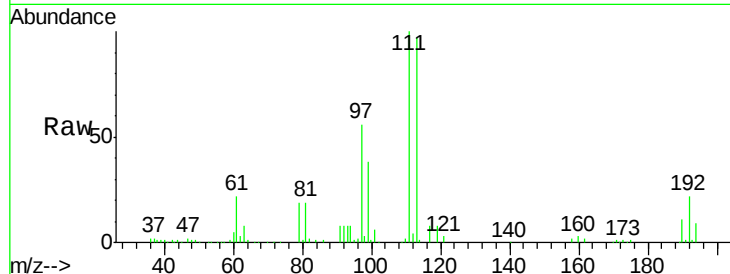
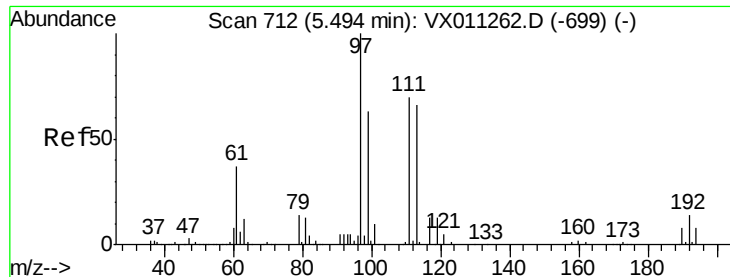
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 8/14/2019 9:12:31 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.00 min
 Lab File: VX011501.D
 Acq: 12 Aug 2019 22:53

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	222766		
63	18.6	0.0	34.0	
88	15.0	0.0	26.4	





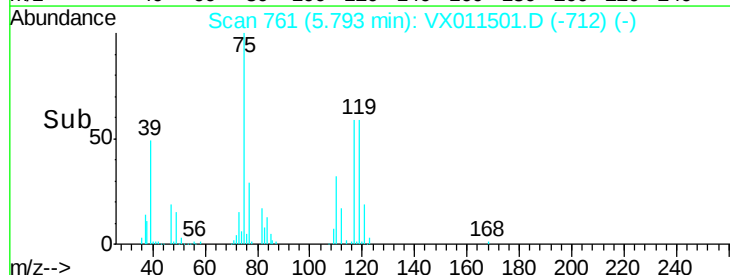
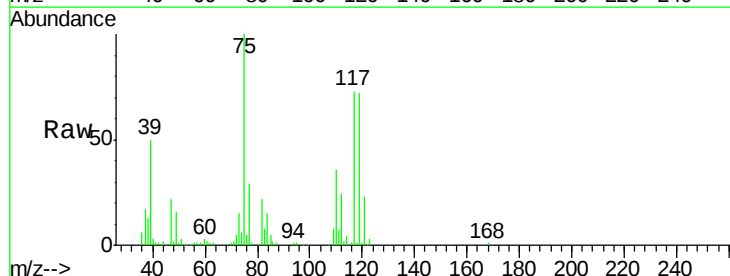
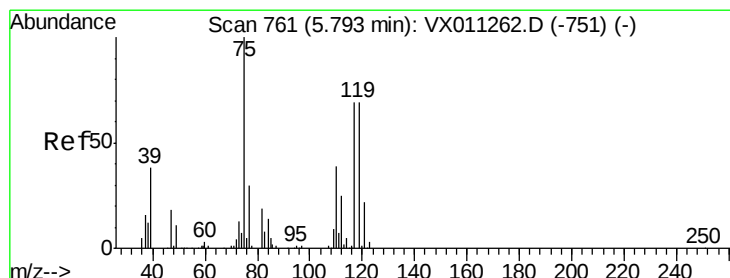
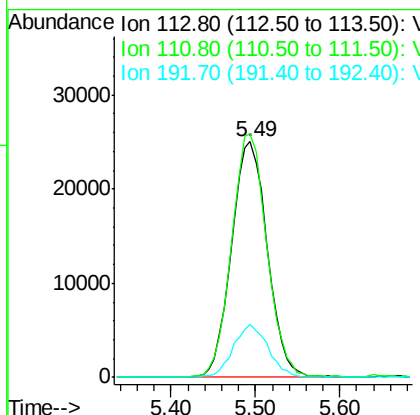
#35
Dibromofluoromethane
Concen: 49.670 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.00 min
Lab File: VX011501.D
Acq: 12 Aug 2019 22:53

Tot Ion	Ratio	Resp	Lower	Upper
113	100	72239		
111	101.5	81.9	122.9	
192	21.7	17.8	26.8	

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS02

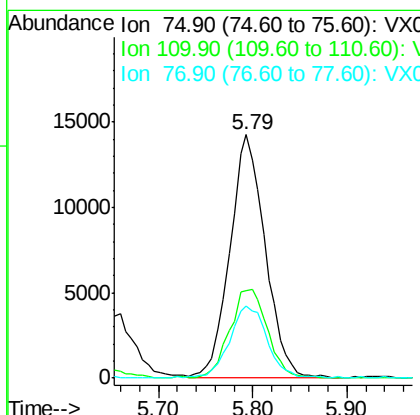
Manual Integrations
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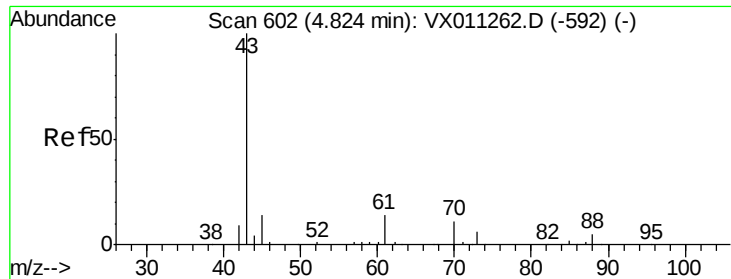
MMDadoda
8/14/2019 9:12:31 AM



#36
1,1-Dichloropropene
Concen: 19.192 ug/l
RT: 5.79 min Scan# 761
Delta R.T. -0.00 min
Lab File: VX011501.D
Acq: 12 Aug 2019 22:53

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	37327		
110	38.8	20.0	59.9	
77	31.6	24.8	37.2	





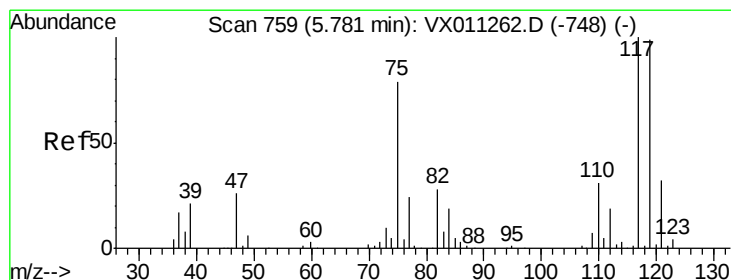
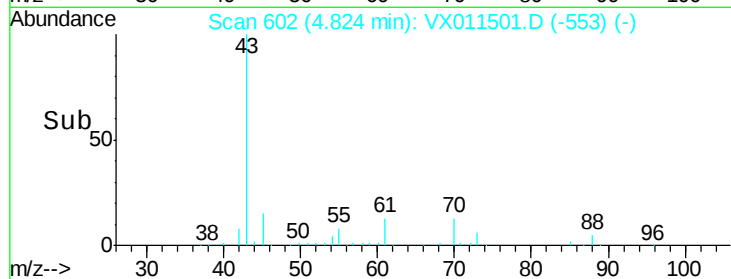
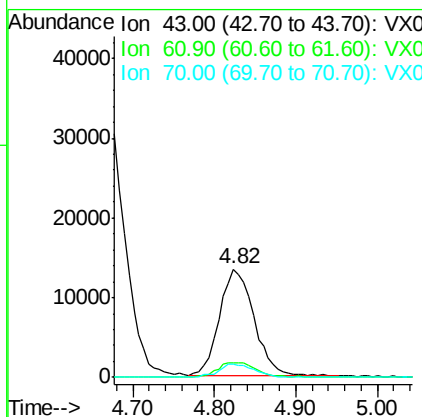
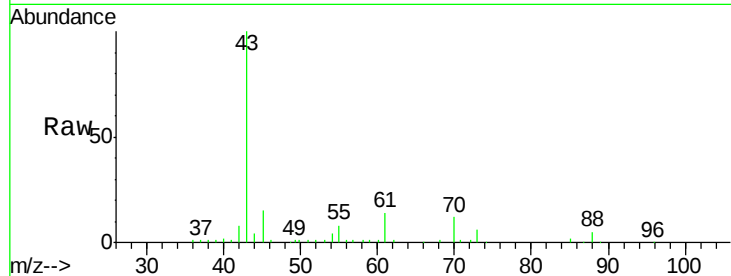
#37
Ethyl Acetate
Concen: 20.338 ug/l
RT: 4.82 min Scan# 602
Delta R.T. -0.00 min
Lab File: VX011501.D
Acq: 12 Aug 2019 22:53

Instrument :
MSVOA_X
ClientSampled :
VX0812WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.9	12.6	18.8
70	12.6	9.1	13.7

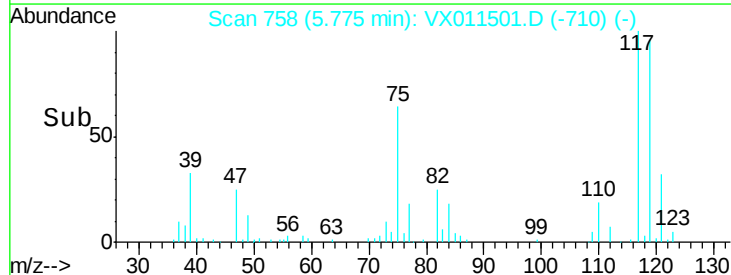
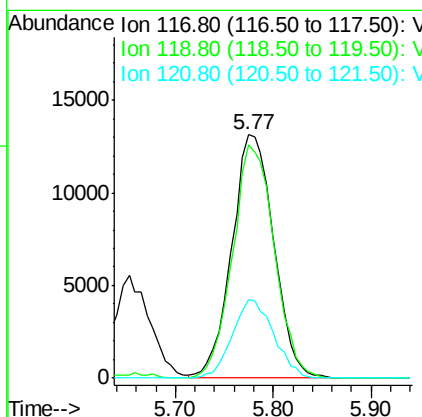
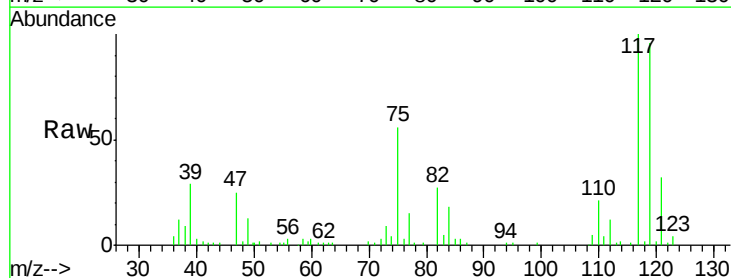
Manual Integrations
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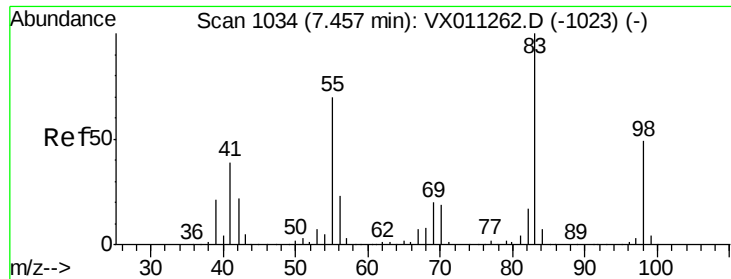
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#38
Carbon Tetrachloride
Concen: 19.990 ug/l
RT: 5.77 min Scan# 758
Delta R.T. -0.01 min
Lab File: VX011501.D
Acq: 12 Aug 2019 22:53

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.1	79.0	118.4
121	32.1	25.9	38.9





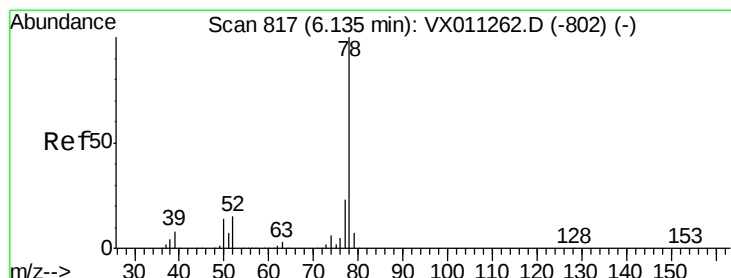
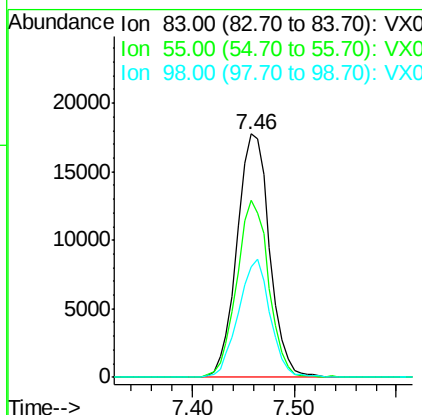
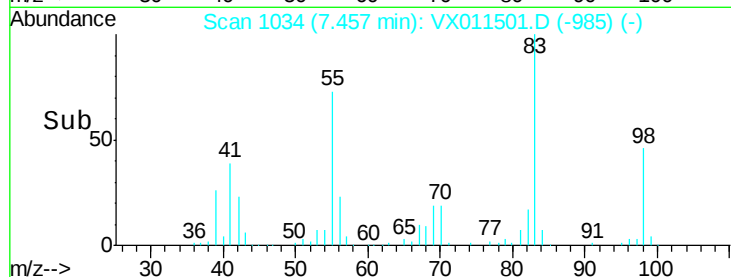
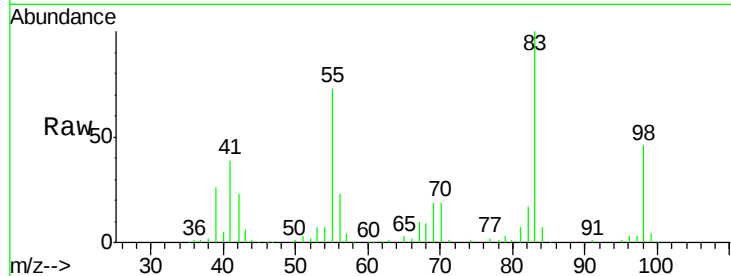
#39
Methvlcvclohexane
Concen: 17.088 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.00 min
Lab File: VX011501.D
Acq: 12 Aug 2019 22:53

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS02

Tot Ion	83	Resp	39396
Ion Ratio	100	Lower	Upper
83	100		
55	72.6	56.1	84.1
98	45.6	39.0	58.4

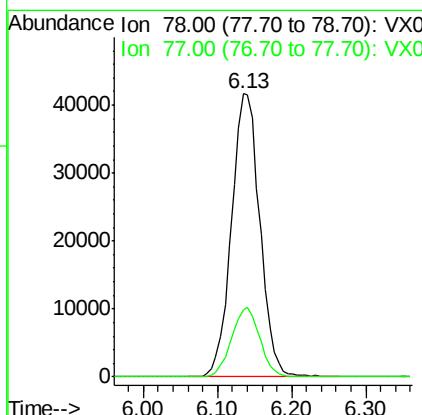
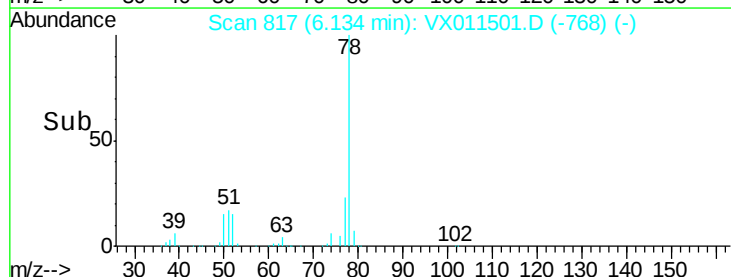
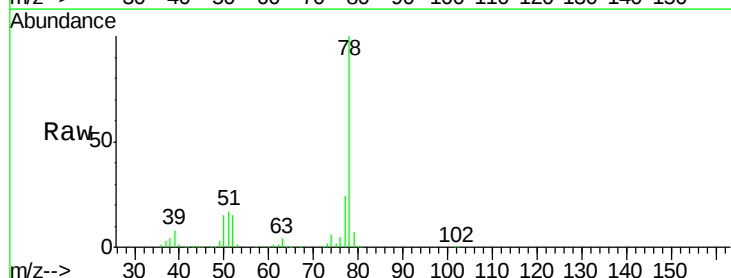
Manual Integrations
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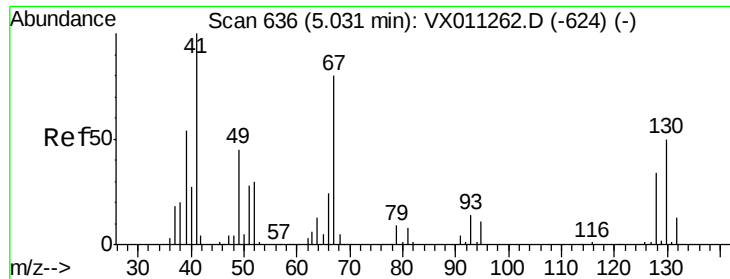
MMDadoda
8/14/2019 9:12:31 AM



#40
Benzene
Concen: 19.159 ug/l
RT: 6.13 min Scan# 817
Delta R.T. -0.00 min
Lab File: VX011501.D
Acq: 12 Aug 2019 22:53

Tgt Ion	78	Resp	111196
Ion Ratio	100	Lower	Upper
78	100		
77	23.7	18.2	27.2





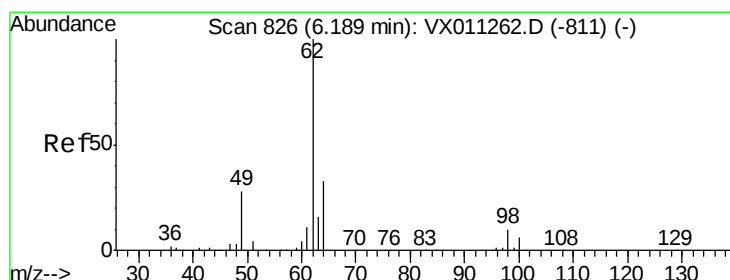
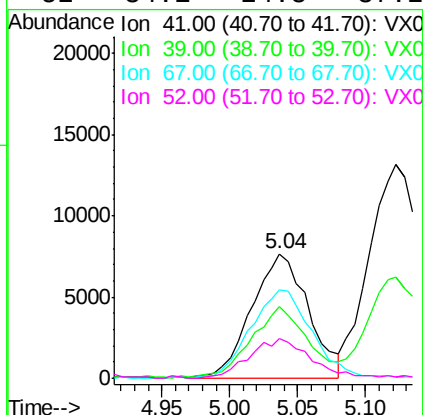
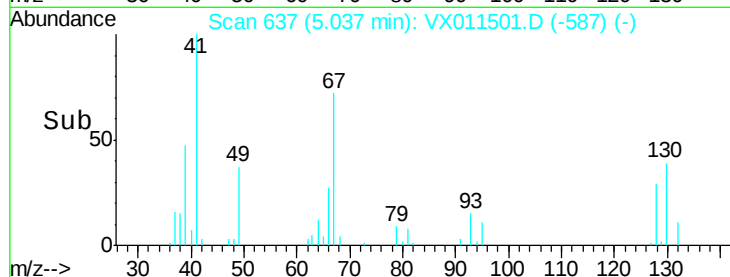
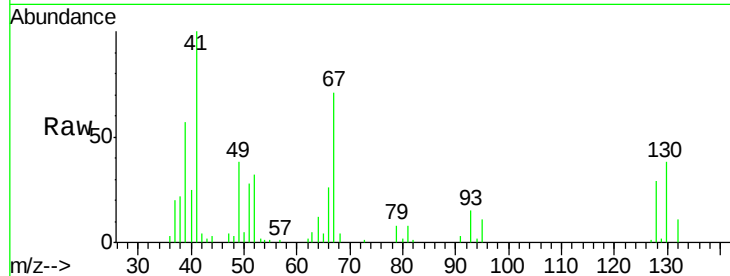
#41
Methacrylonitrile
Concen: 20.925 ug/l
RT: 5.04 min Scan# 637
Delta R.T. 0.01 min
Lab File: VX011501.D
Acq: 12 Aug 2019 22:53

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS02

Tot Ion	Ion	Ratio	Lower	Upper
22295	41	100		
	39	56.2	43.0	64.6
	67	77.3	65.1	97.7
	52	34.1	24.8	37.2

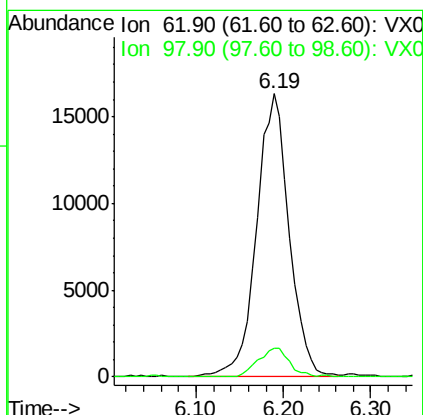
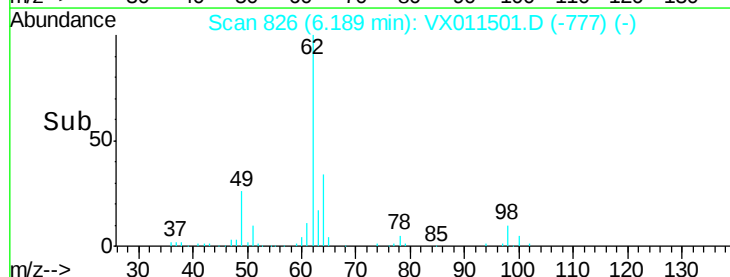
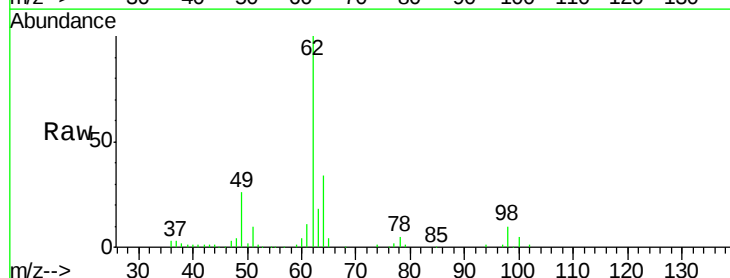
Manual Integrations
APPROVED

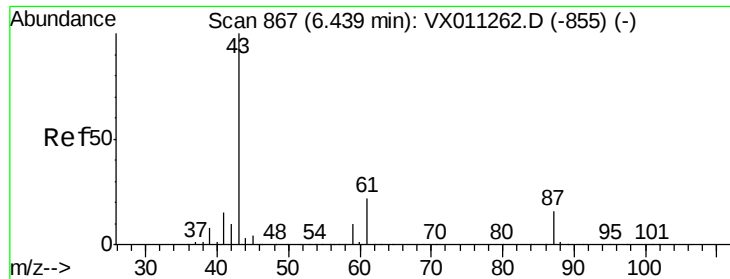
MMDadoda
8/14/2019 9:12:31 AM



#42
1,2-Dichloroethane
Concen: 21.640 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.00 min
Lab File: VX011501.D
Acq: 12 Aug 2019 22:53

Tgt Ion	Ion	Ratio	Lower	Upper
42470	62	100		
	98	10.0	0.0	20.6





#43

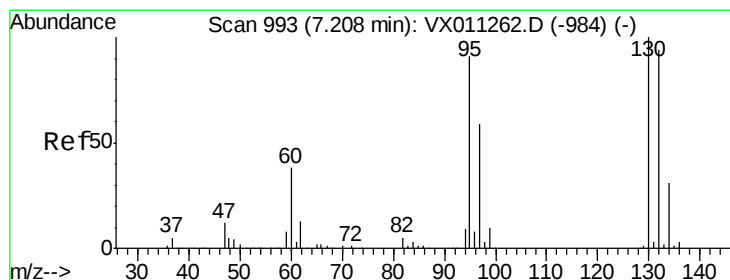
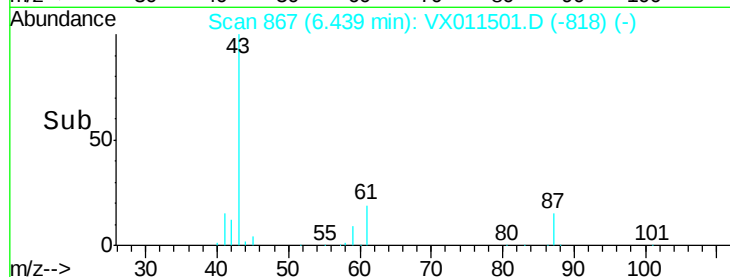
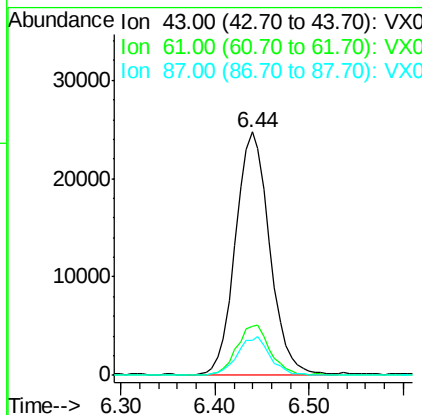
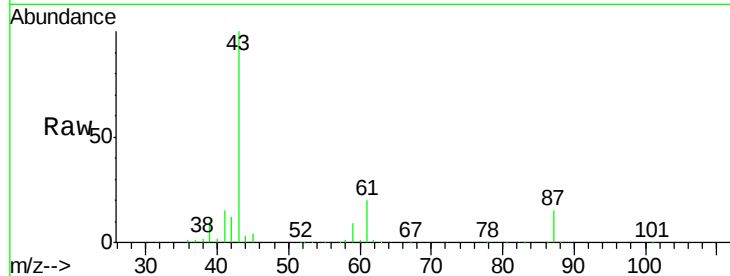
Isopropyl Acetate
 Concen: 19.981 ug/l
 RT: 6.44 min Scan# 867
 Delta R.T. -0.00 min
 Lab File: VX011501.D
 Acq: 12 Aug 2019 22:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0812WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.3	16.5	24.7
87	15.5	12.1	18.1

Manual Integrations
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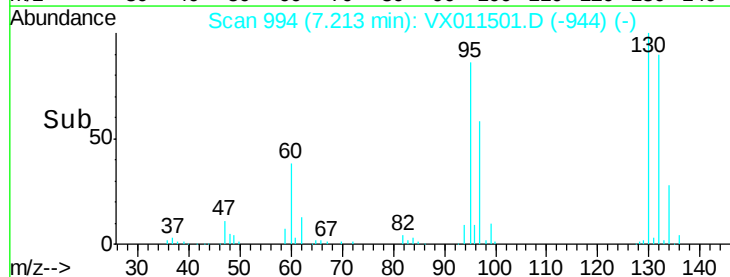
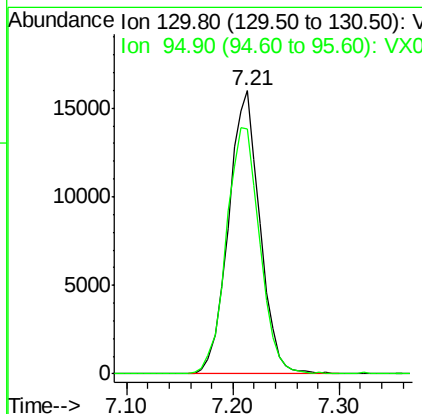
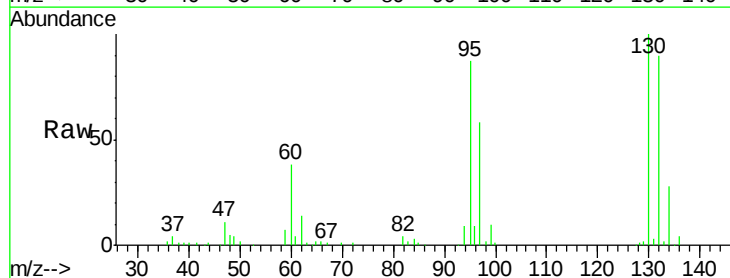
MMDadoda
 8/14/2019 9:12:31 AM

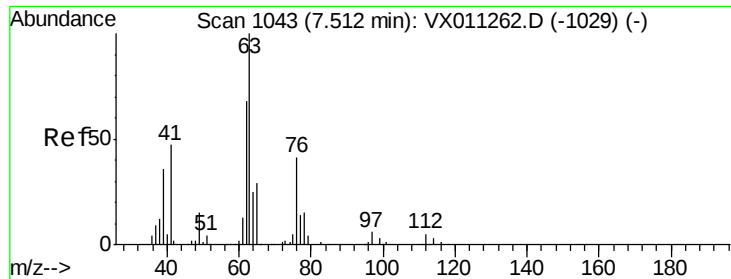


#44

Trichloroethene
 Concen: 18.745 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.01 min
 Lab File: VX011501.D
 Acq: 12 Aug 2019 22:53

Tgt Ion	Ratio	Lower	Upper
130	100		
95	86.6	0.0	182.6





#45

1,2-Dichloropropane

Concen: 19.428 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX011501.D

Acq: 12 Aug 2019 22:53

Instrument :

MSVOA_X

ClientSampleId :

VX0812WBS02

Tot Ion: 63 Resp: 29203

Ion Ratio Lower Upper

63 100

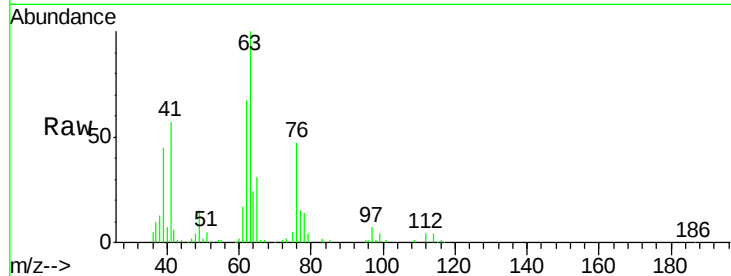
65 30.5 23.3 34.9

Manual Integrations

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8/14/2019 9:12:31 AM



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

15000

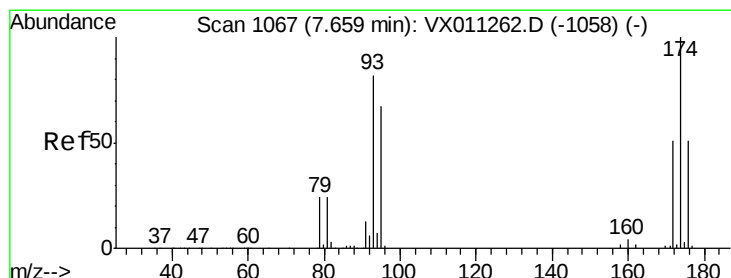
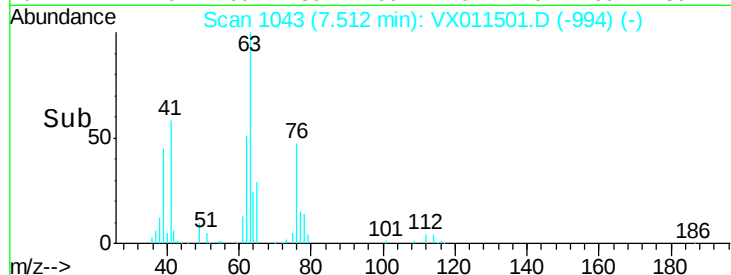
10000

5000

0

7.40 7.50 7.60

Time-->



#46

Dibromomethane

Concen: 19.806 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX011501.D

Acq: 12 Aug 2019 22:53

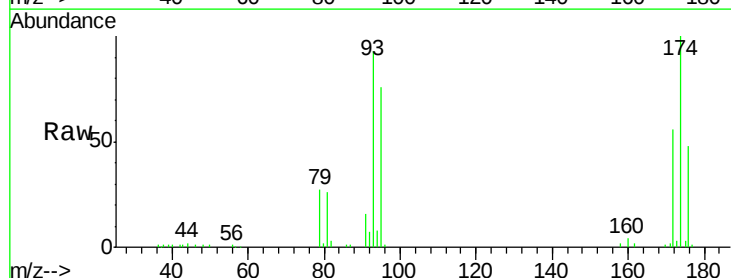
Tgt Ion: 93 Resp: 21733

Ion Ratio Lower Upper

93 100

95 82.7 66.4 99.6

174 108.4 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

15000

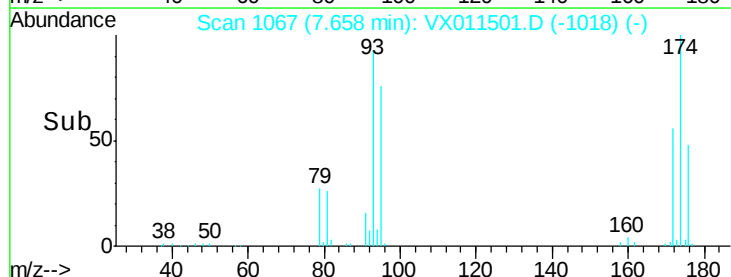
10000

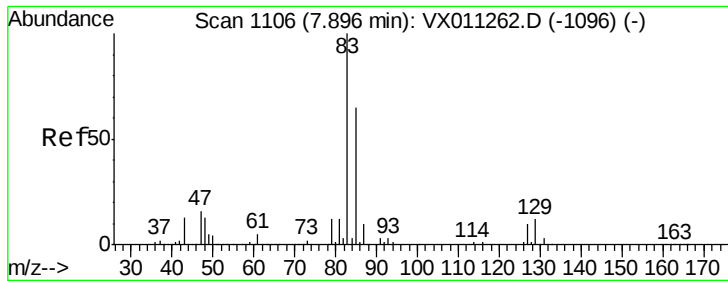
5000

0

7.55 7.60 7.65 7.70 7.75

Time-->





#47

Bromodichloromethane

Concen: 20.305 ug/l

RT: 7.89 min Scan# 1105

Delta R.T. -0.01 min

Lab File: VX011501.D

Acq: 12 Aug 2019 22:53

Instrument :

MSVOA_X

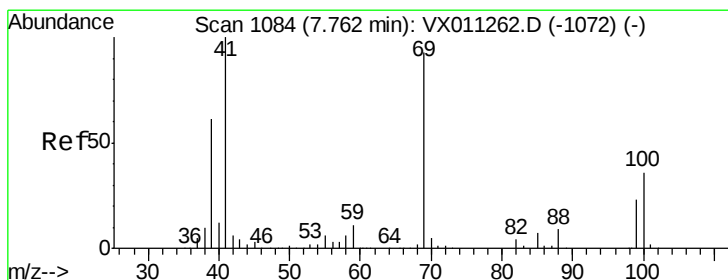
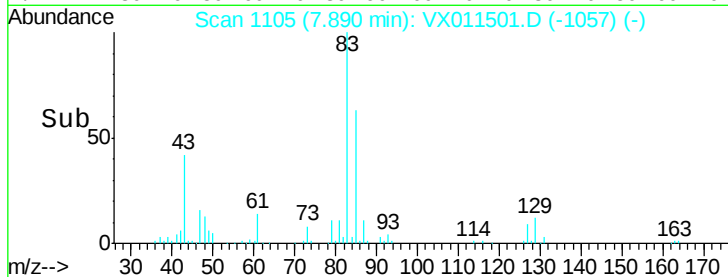
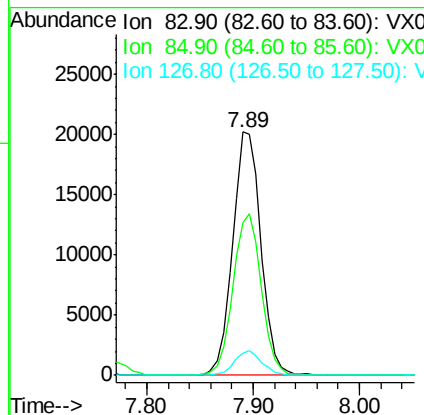
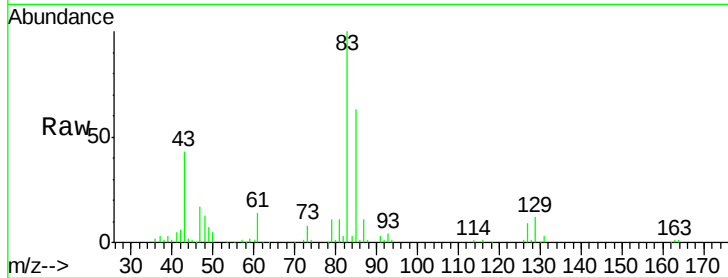
ClientSampleId :

VX0812WBS02

Tot Ion:	83	Resp:	37722
Ion	Ratio	Lower	Upper
83	100		
85	62.8	52.2	78.2
127	9.3	7.8	11.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 21.426 ug/l

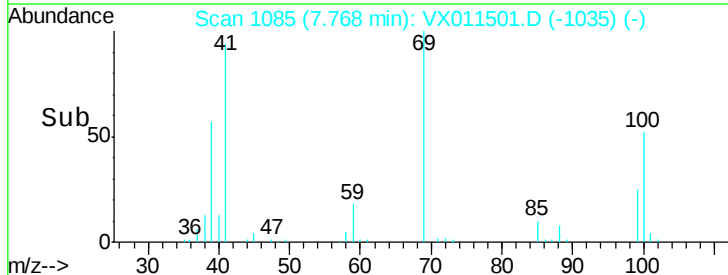
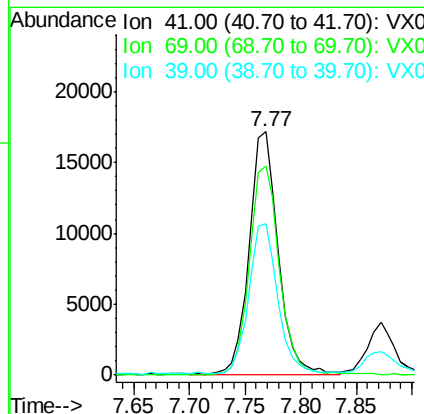
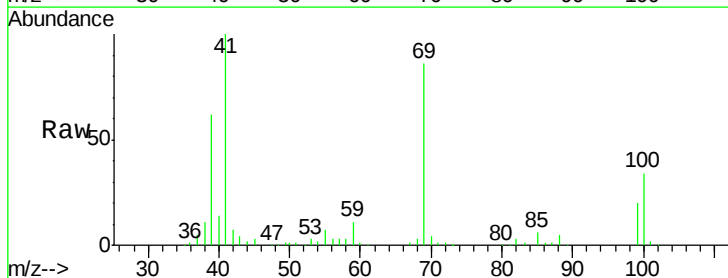
RT: 7.77 min Scan# 1085

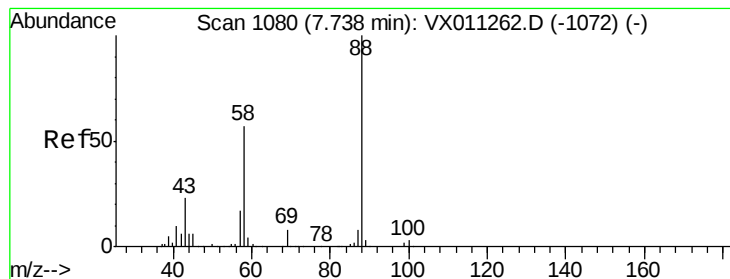
Delta R.T. 0.01 min

Lab File: VX011501.D

Acq: 12 Aug 2019 22:53

Tgt Ion:	41	Resp:	31451
Ion	Ratio	Lower	Upper
41	100		
69	87.6	74.5	111.7
39	61.0	48.6	72.8





#49

1,4-Dioxane

Concen: 401.453 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. -0.00 min

Lab File: VX011501.D

Acq: 12 Aug 2019 22:53

Instrument :

MSVOA_X

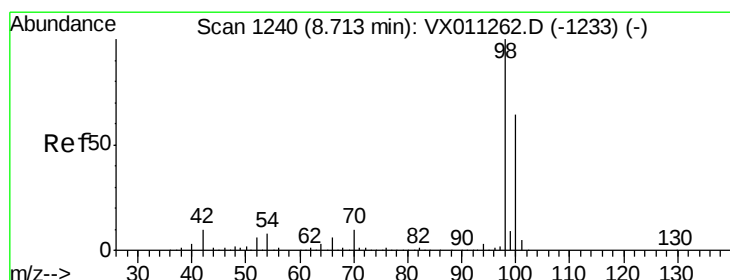
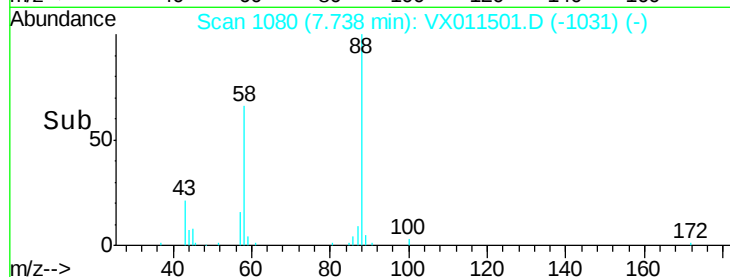
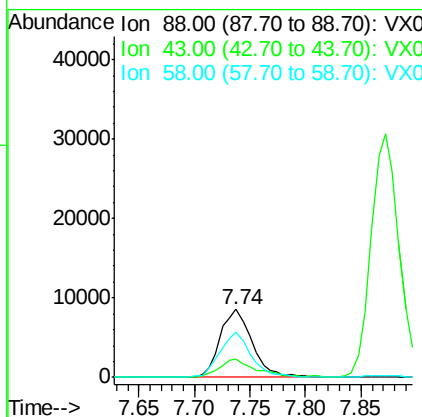
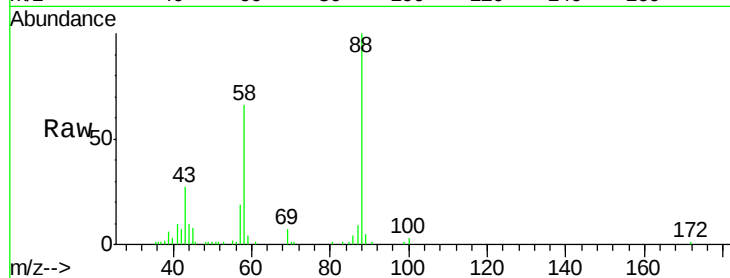
ClientSampleId :

VX0812WBS02

Tot Ion:	88	Resp:	17084
Ion	Ratio	Lower	Upper
88	100		
43	32.2	22.2	33.2
58	64.3	47.8	71.8

Manual Integrations
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#50

Toluene-d8

Concen: 48.656 ug/l

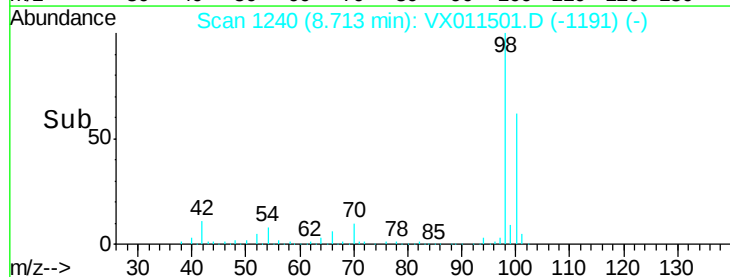
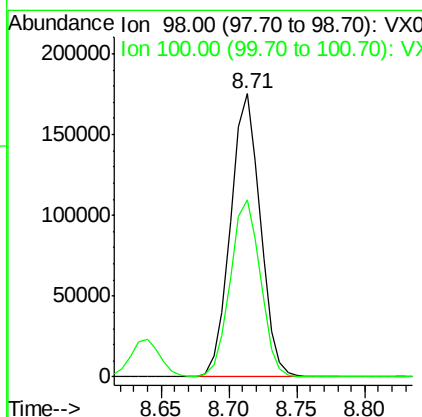
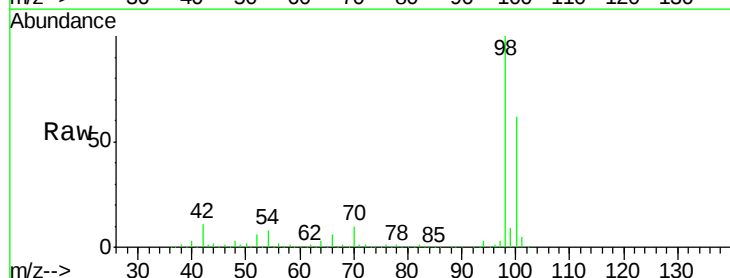
RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX011501.D

Acq: 12 Aug 2019 22:53

Tgt Ion:	98	Resp:	267115
Ion	Ratio	Lower	Upper
98	100		
100	63.1	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 107.352 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX011501.D

Acq: 12 Aug 2019 22:53

Instrument :

MSVOA_X

ClientSampleId :

VX0812WBS02

Tot Ion: 43 Resp: 216094

Ion Ratio Lower Upper

43 100

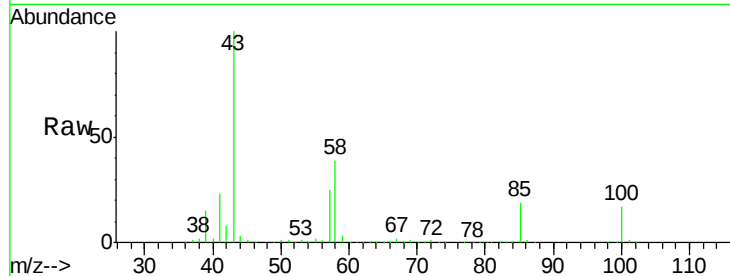
58 39.6 32.3 48.5

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

150000

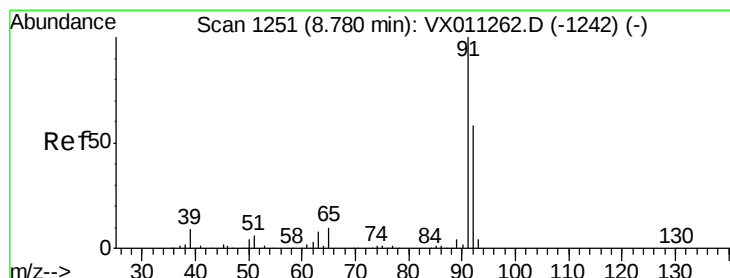
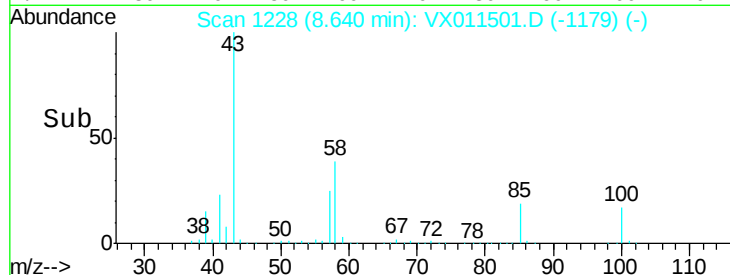
100000

50000

0

8.55 8.60 8.65 8.70

Time-->



#52

Toluene

Concen: 19.675 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VX011501.D

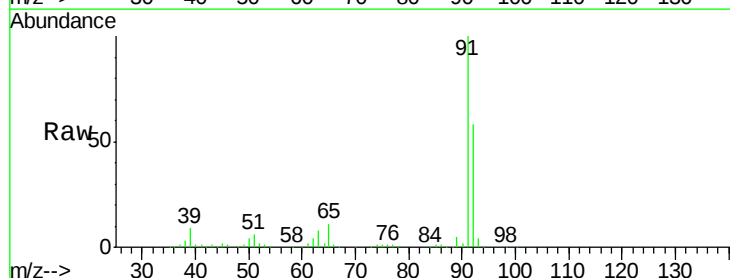
Acq: 12 Aug 2019 22:53

Tgt Ion: 92 Resp: 75500

Ion Ratio Lower Upper

92 100

91 173.1 139.4 209.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

100000

80000

60000

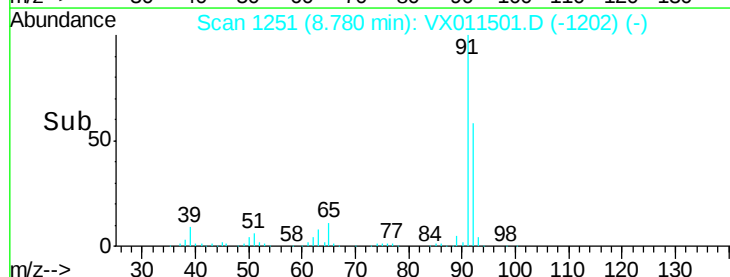
40000

20000

0

8.70 8.75 8.80 8.85

Time-->





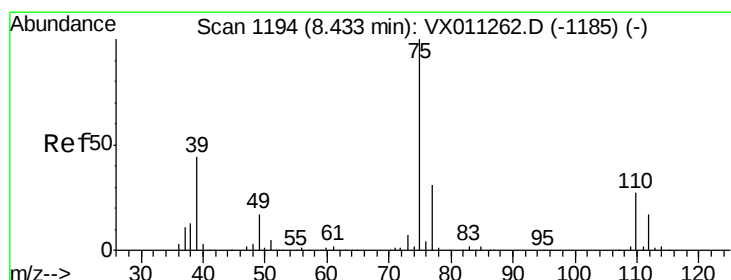
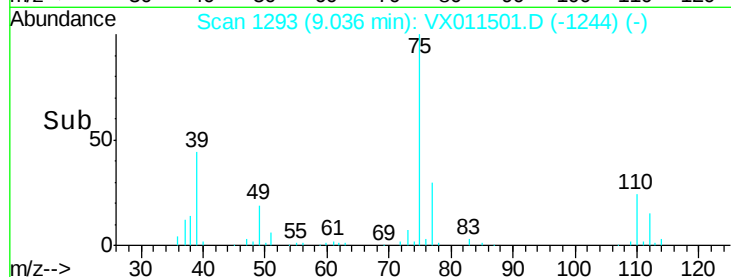
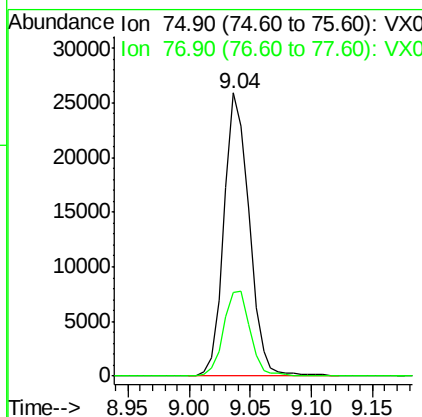
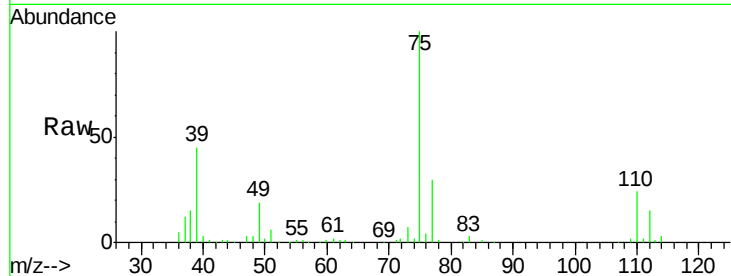
#53
t-1,3-Dichloropropene
Concen: 18.979 ug/l
RT: 9.04 min Scan# 1293
Delta R.T. 0.00 min
Lab File: VX011501.D
Acq: 12 Aug 2019 22:53

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS02

Tot Ion: 75 Resp: 37023
Ion Ratio Lower Upper
75 100
77 29.5 25.4 38.0

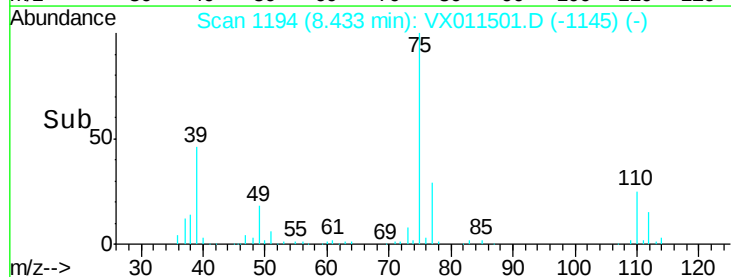
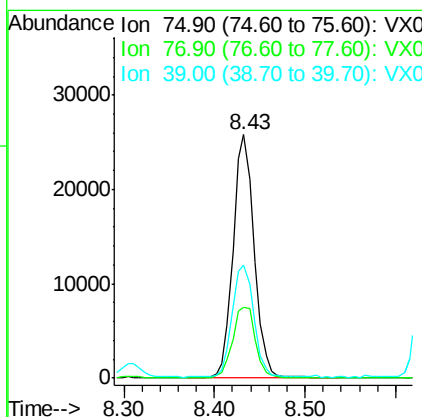
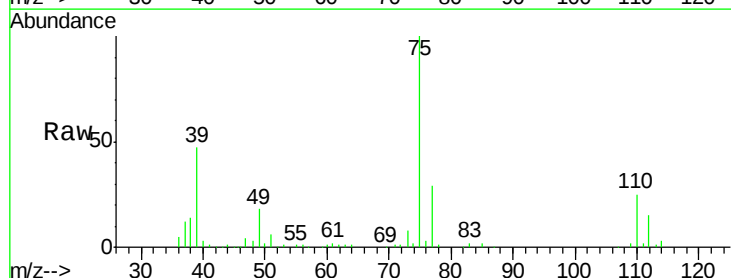
Manual Integrations
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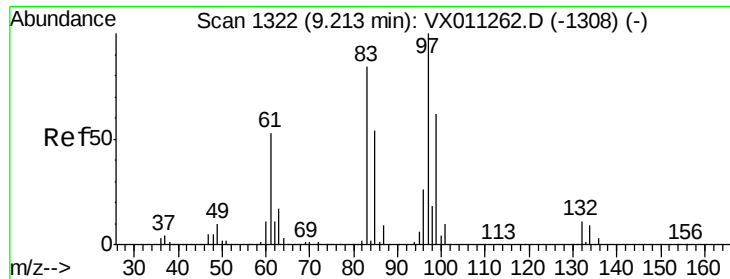
MMDadoda
8/14/2019 9:12:31 AM



#54
cis-1,3-Dichloropropene
Concen: 19.219 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX011501.D
Acq: 12 Aug 2019 22:53

Tgt Ion: 75 Resp: 41709
Ion Ratio Lower Upper
75 100
77 29.2 25.0 37.6
39 46.0 35.3 52.9





#55

1,1,2-Trichloroethane

Concen: 20.440 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VX011501.D

Acq: 12 Aug 2019 22:53

Instrument :

MSVOA_X

ClientSampleId :

VX0812WBS02

Tot Ion: 97 Resp: 32250

Ion Ratio Lower Upper

97 100

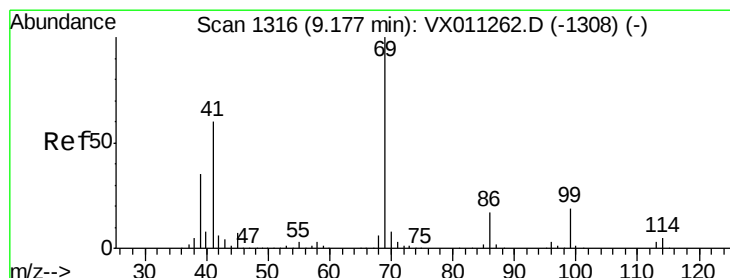
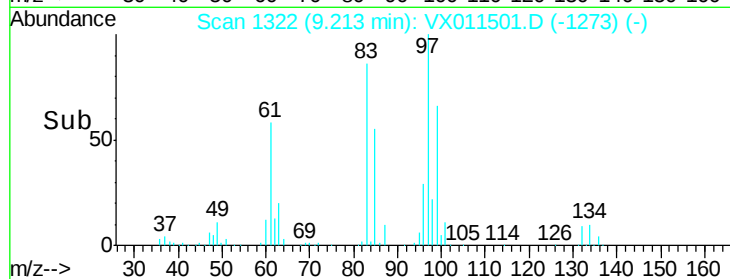
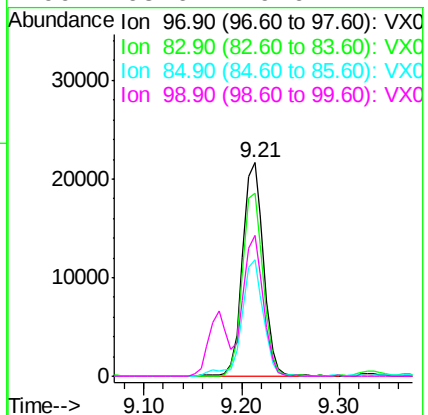
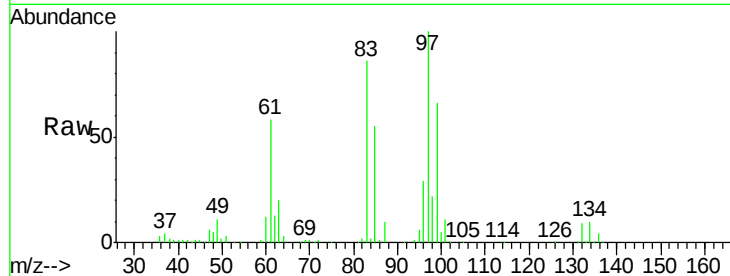
83 85.8 67.6 101.4

85 54.6 43.4 65.0

99 65.6 49.6 74.4

Manual Integrations
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MMDadoda
8/14/2019 9:12:31 AM



#56

Ethyl methacrylate

Concen: 20.005 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VX011501.D

Acq: 12 Aug 2019 22:53

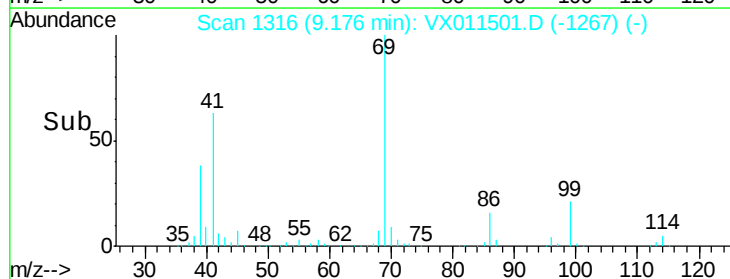
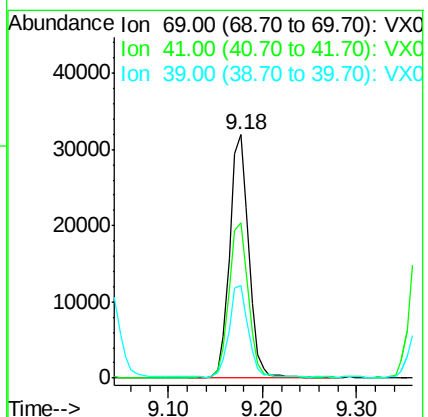
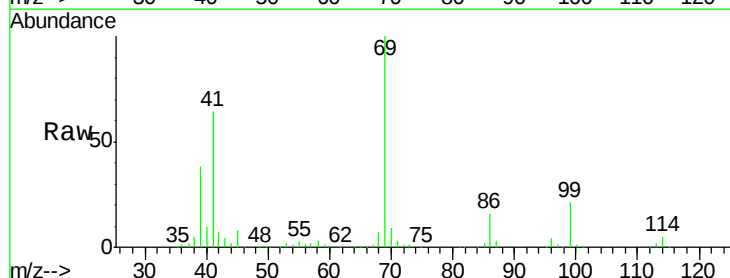
Tgt Ion: 69 Resp: 44978

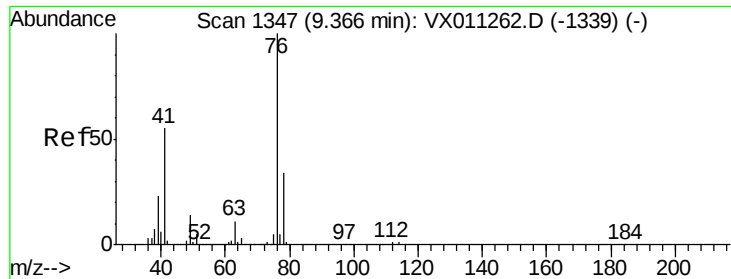
Ion Ratio Lower Upper

69 100

41 64.5 48.6 73.0

39 38.5 29.4 44.2





#57

1,3-Dichloropropane

Concen: 20.109 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. -0.00 min

Lab File: VX011501.D

Acq: 12 Aug 2019 22:53

Instrument :

MSVOA_X

ClientSampleId :

VX0812WBS02

Tot Ion: 76 Resp: 50175

Ion Ratio Lower Upper

76 100

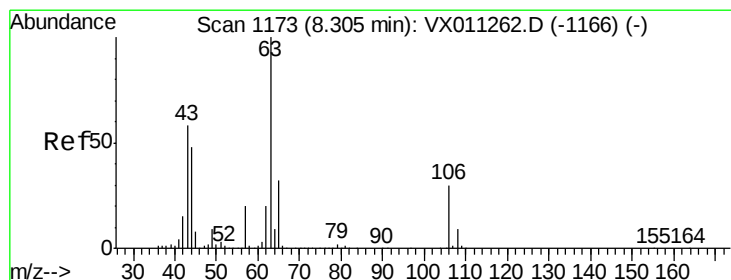
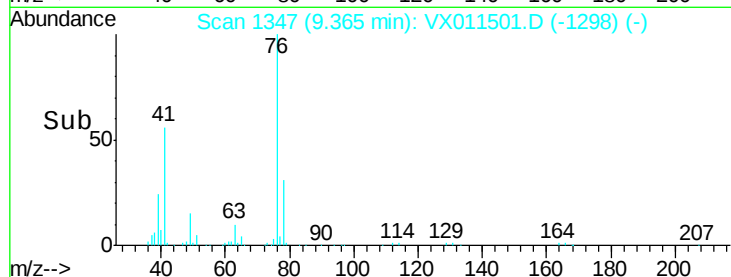
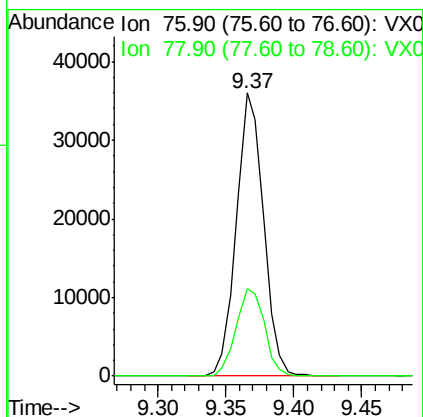
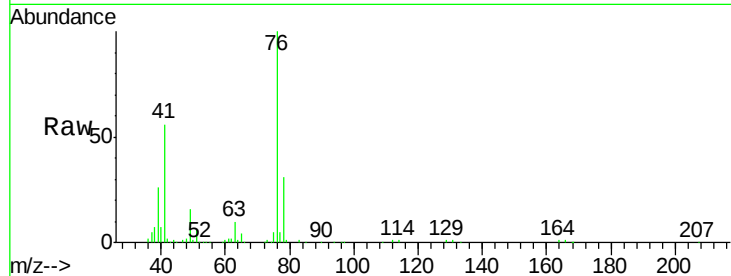
78 32.8 26.6 40.0

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 95.268 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. 0.01 min

Lab File: VX011501.D

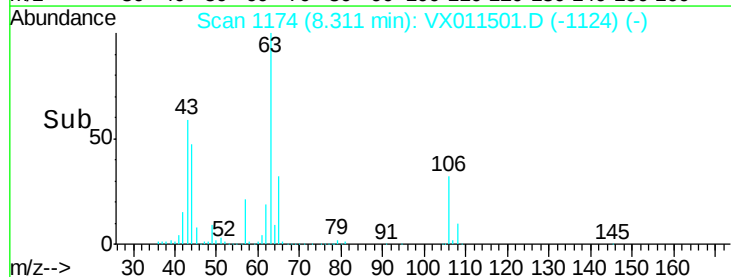
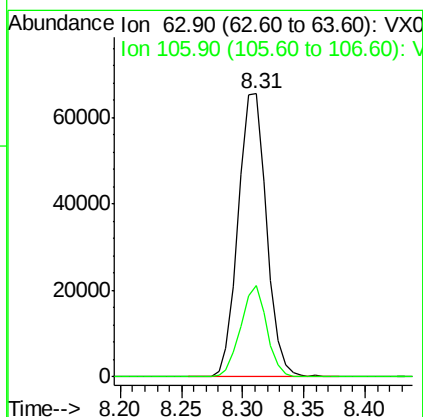
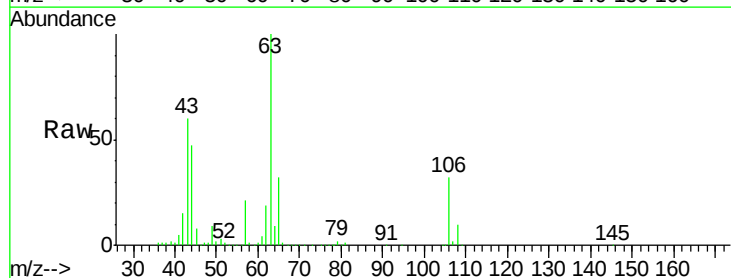
Acq: 12 Aug 2019 22:53

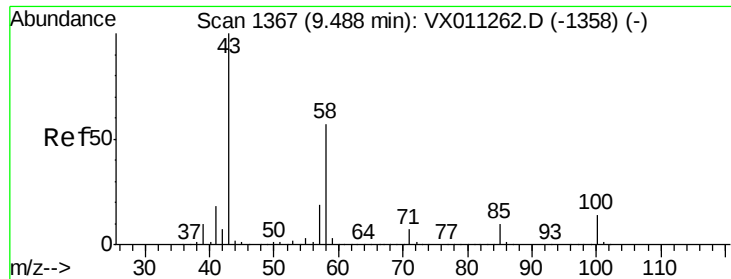
Tgt Ion: 63 Resp: 105320

Ion Ratio Lower Upper

63 100

106 29.7 24.4 36.6





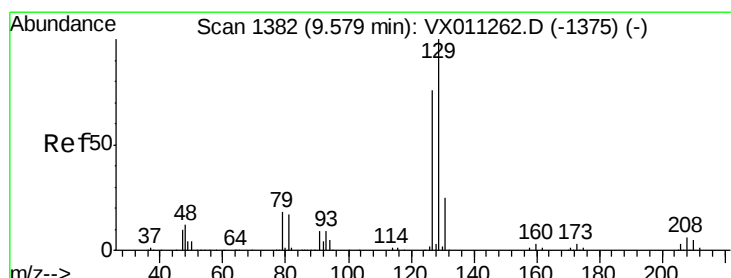
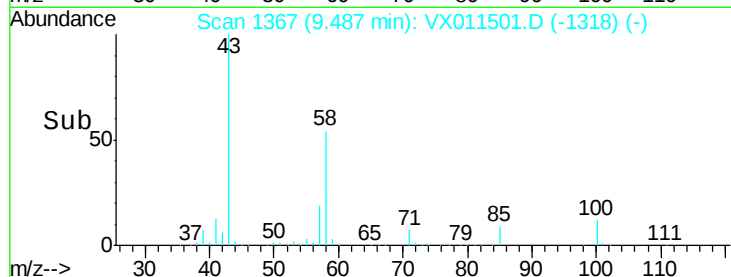
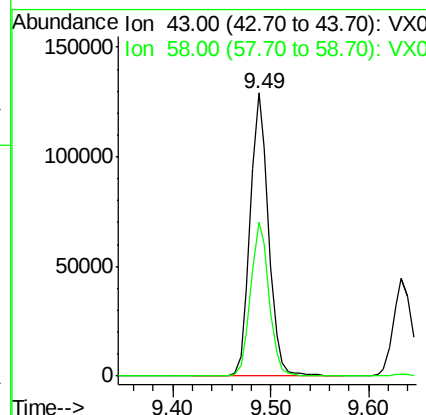
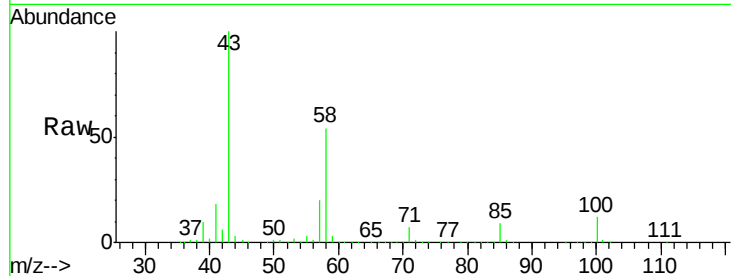
#59
2-Hexanone
Concen: 108.260 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX011501.D
Acq: 12 Aug 2019 22:53

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.5	28.2	84.6

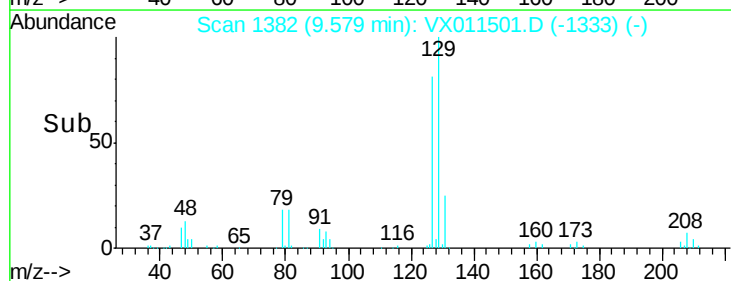
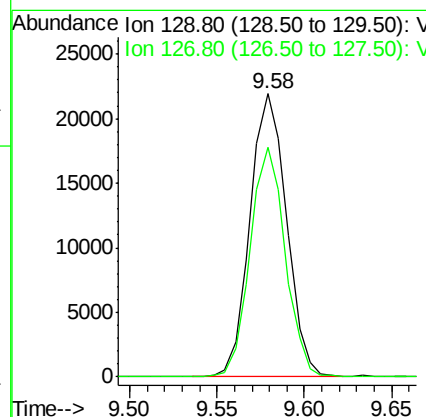
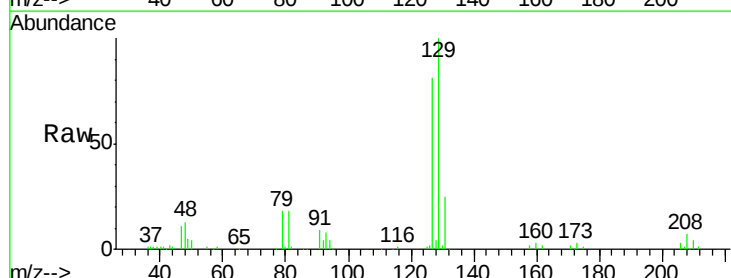
Manual Integrations
APPROVED

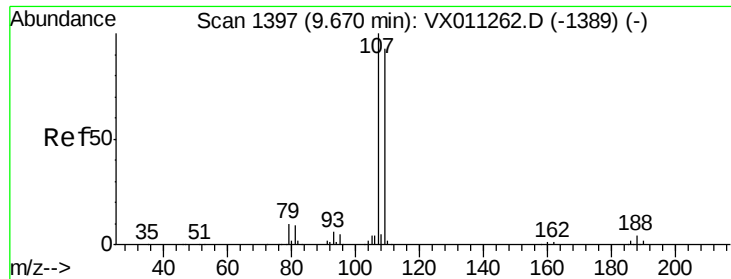
MMDadoda
8/14/2019 9:12:31 AM



#60
Dibromochloromethane
Concen: 19.733 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX011501.D
Acq: 12 Aug 2019 22:53

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.8	39.2	117.6





#61

1,2-Dibromoethane

Concen: 19.842 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX011501.D

Acq: 12 Aug 2019 22:53

Instrument :

MSVOA_X

ClientSampleId :

VX0812WBS02

Tot Ion:107 Resp: 33823

Ion Ratio Lower Upper

107 100

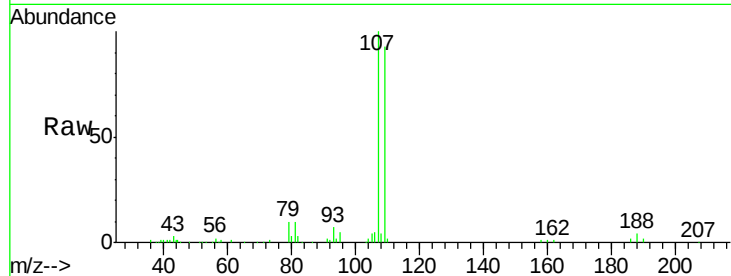
109 94.4 76.6 114.8

Manual Integrations

APPROVED

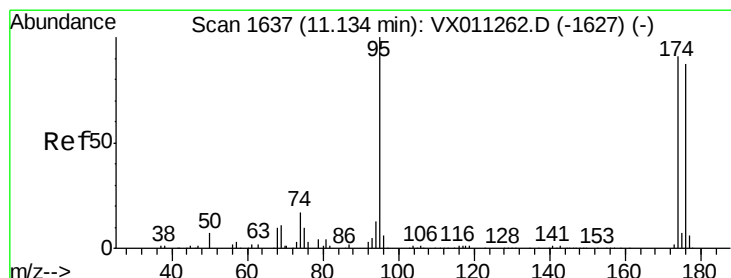
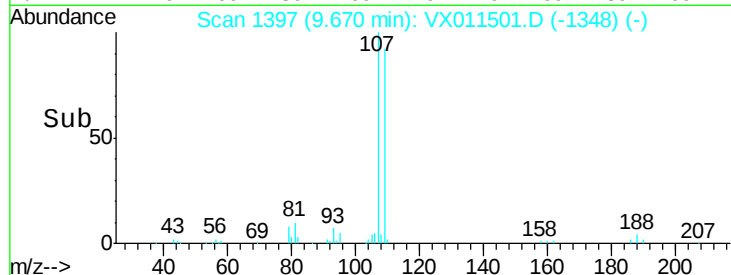
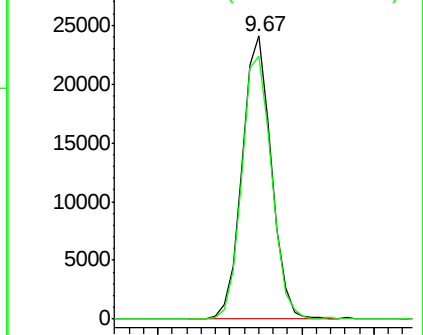
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.625 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX011501.D

Acq: 12 Aug 2019 22:53

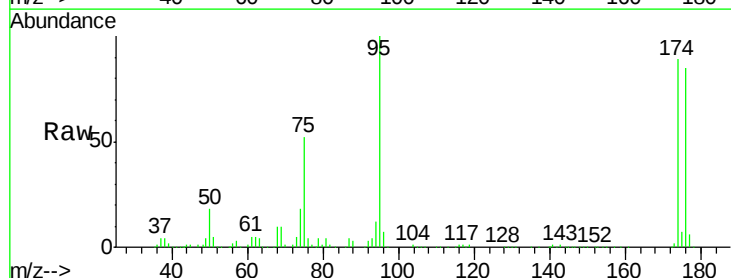
Tgt Ion: 95 Resp: 95307

Ion Ratio Lower Upper

95 100

174 91.2 0.0 191.2

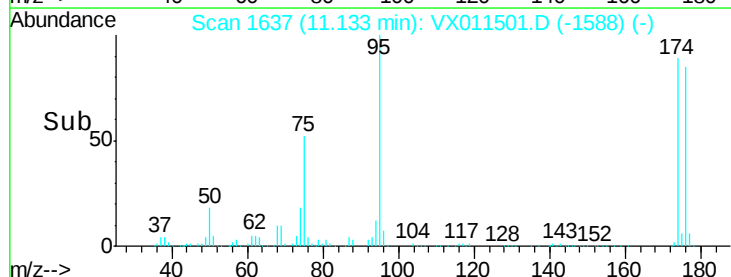
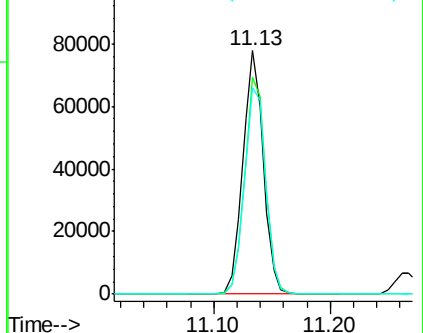
176 88.5 0.0 184.8

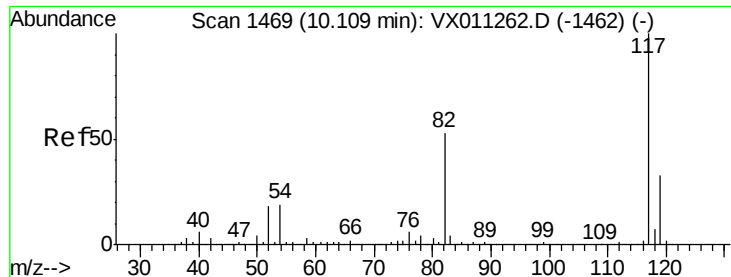


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





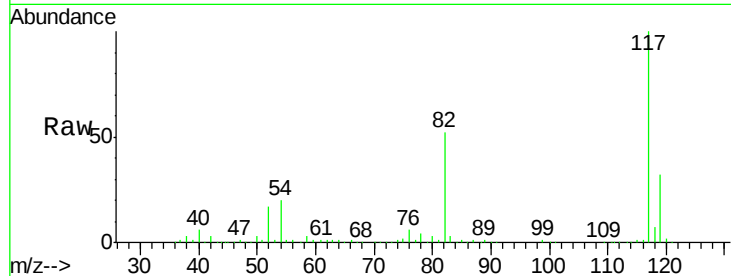
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX011501.D
Acq: 12 Aug 2019 22:53

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.0	42.2	63.2
119	31.7	26.6	39.8

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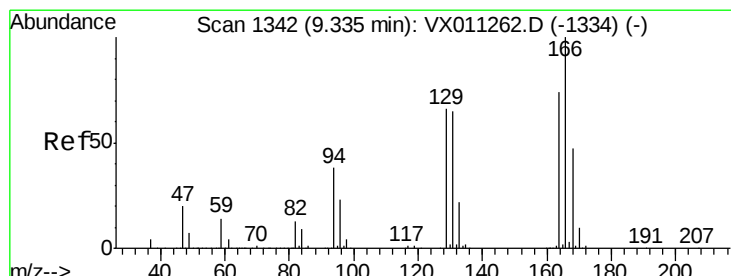
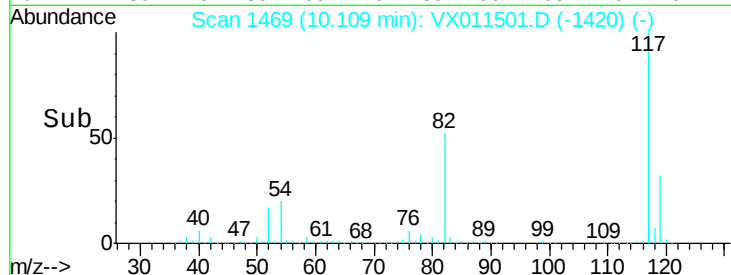
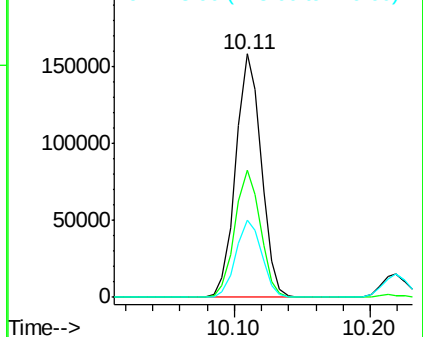


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 19.127 ug/l
RT: 9.33 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX011501.D
Acq: 12 Aug 2019 22:53

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.1	107.5	161.3
129	94.7	71.0	106.4
131	90.9	69.8	104.6

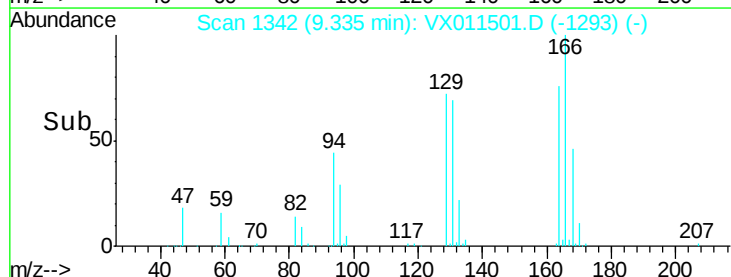
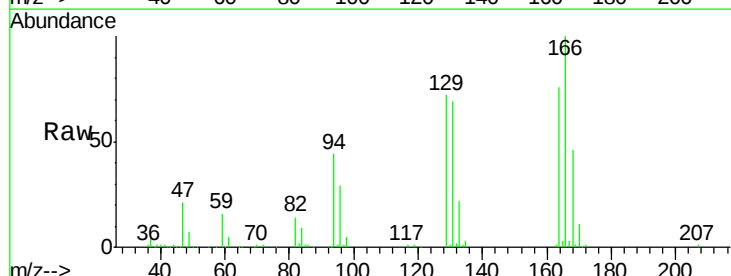
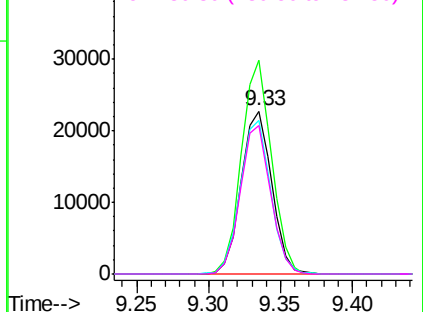
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





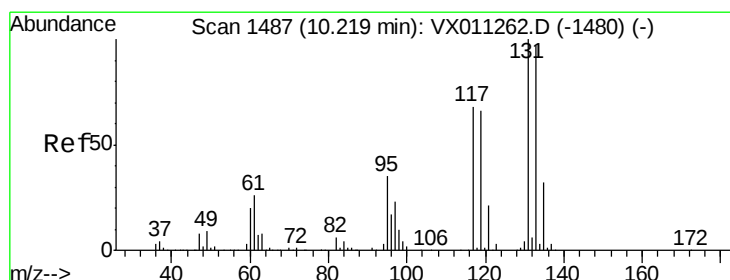
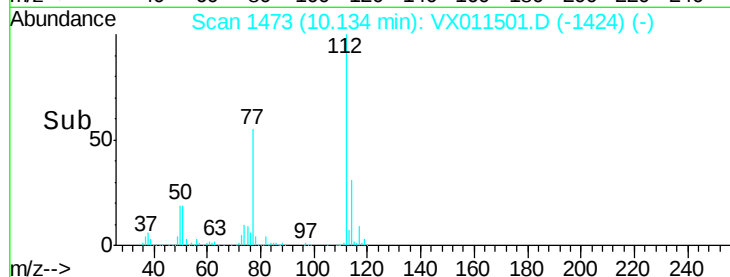
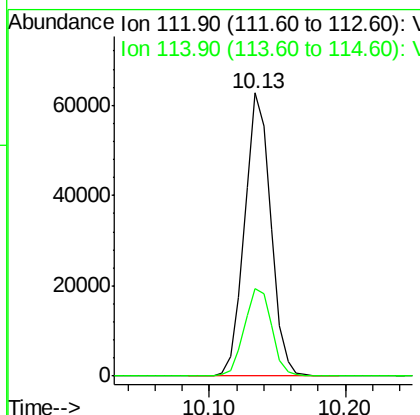
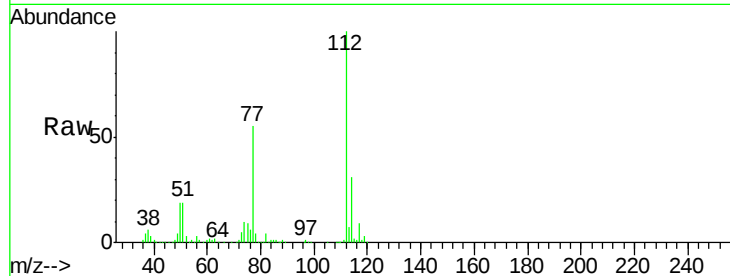
#65
Chlorobenzene
Concen: 19.080 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VX011501.D
Acq: 12 Aug 2019 22:53

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS02

Tot Ion:112 Resp: 84542
Ion Ratio Lower Upper
112 100
114 30.8 25.9 38.9

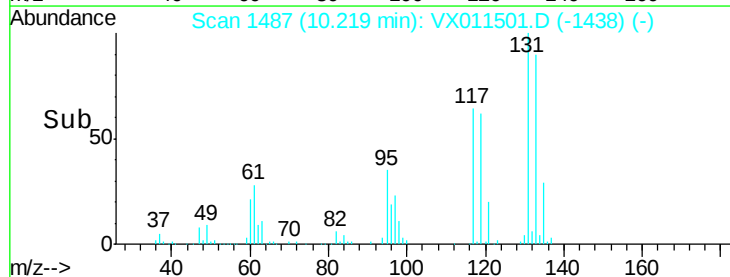
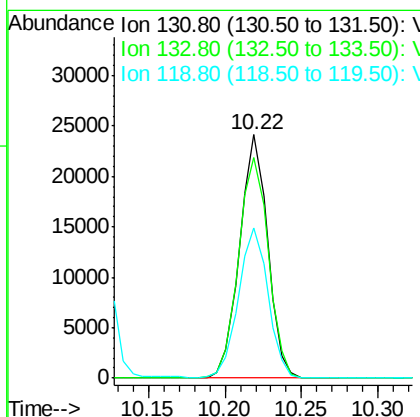
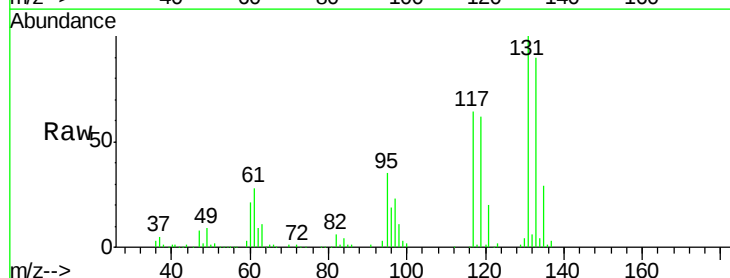
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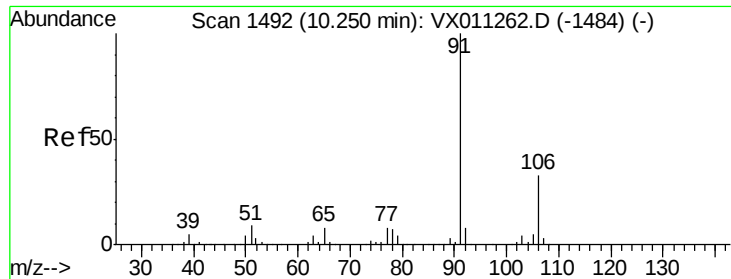
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.224 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX011501.D
Acq: 12 Aug 2019 22:53

Tgt Ion:131 Resp: 30679
Ion Ratio Lower Upper
131 100
133 96.7 47.7 143.1
119 65.6 32.8 98.3





#67

Ethyl Benzene

Concen: 19.298 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX011501.D

Acq: 12 Aug 2019 22:53

Instrument :

MSVOA_X

ClientSampleId :

VX0812WBS02

Tot Ion: 91 Resp: 143205

Ion Ratio Lower Upper

91 100

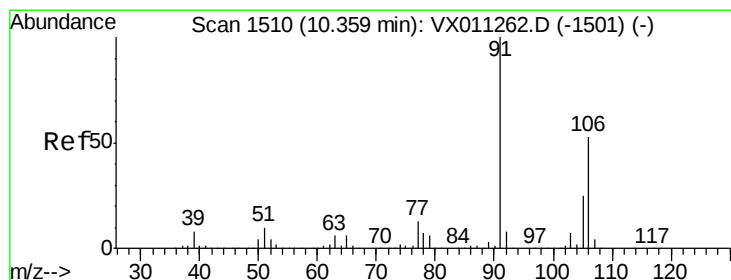
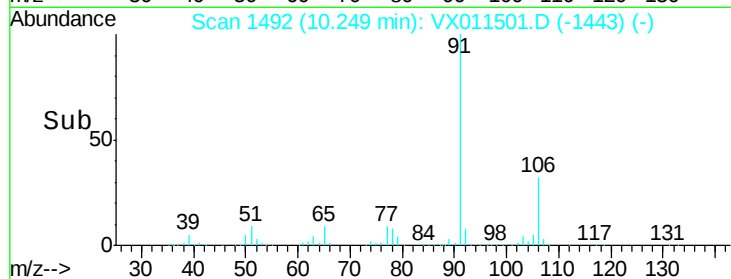
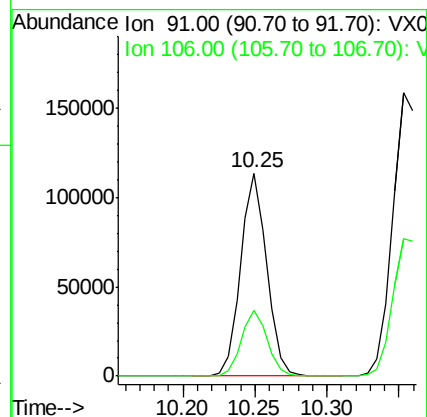
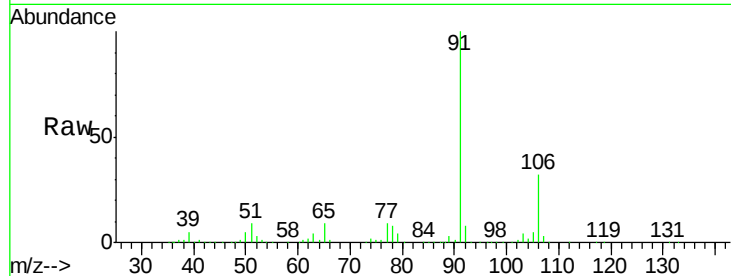
106 32.2 26.2 39.4

Manual Integrations

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#68

m/p-Xylenes

Concen: 38.122 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VX011501.D

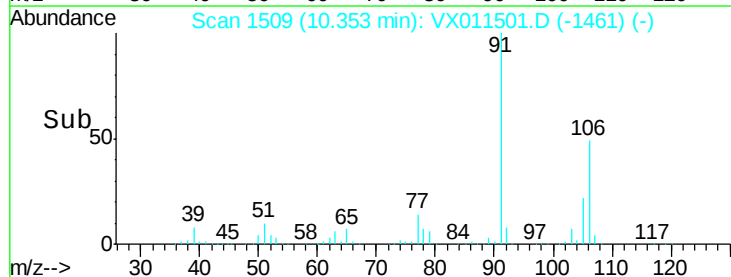
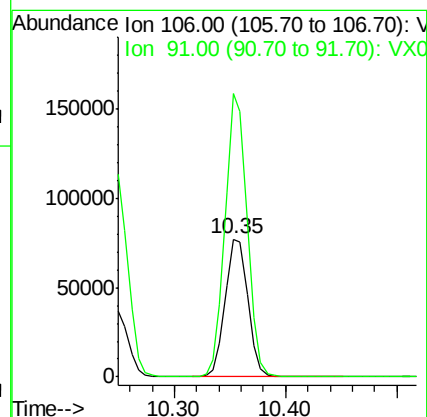
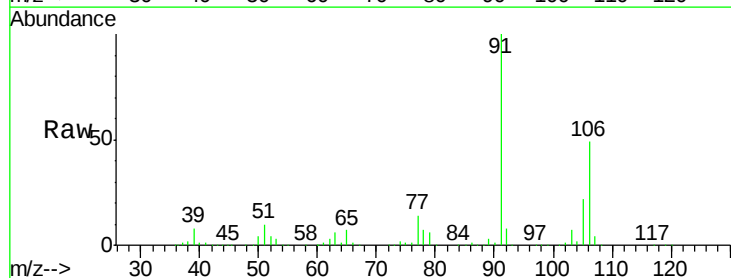
Acq: 12 Aug 2019 22:53

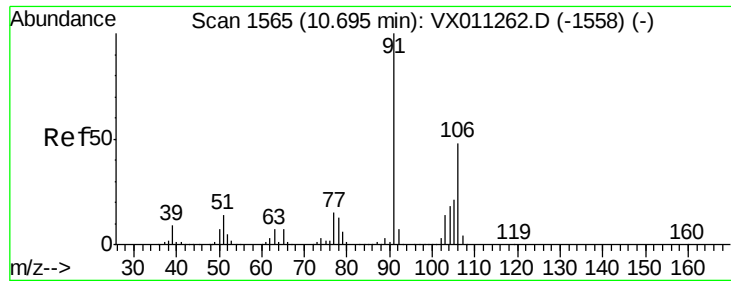
Tgt Ion: 106 Resp: 109422

Ion Ratio Lower Upper

106 100

91 198.6 155.9 233.9





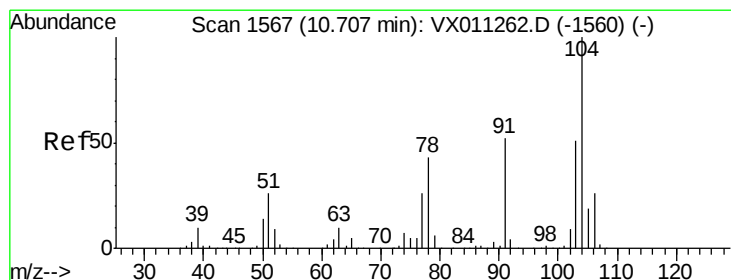
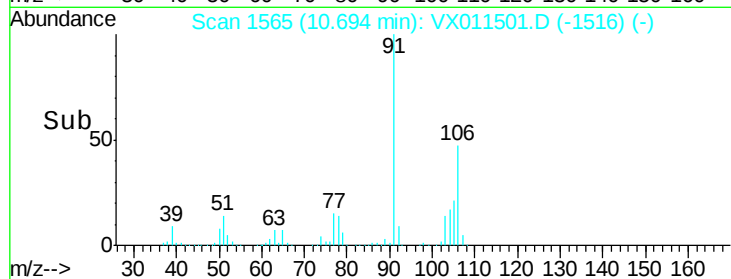
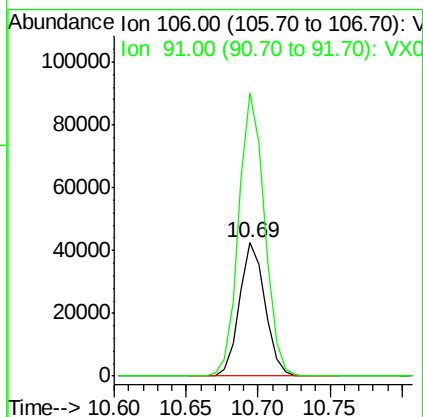
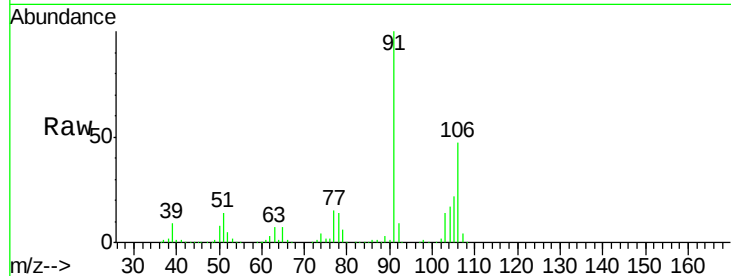
#69
o-Xylene
Concen: 18.656 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX011501.D
Acq: 12 Aug 2019 22:53

Instrument :
MSVOA_X
ClientSampleID :
VX0812WBS02

Tot Ion:106 Resp: 52613
Ion Ratio Lower Upper
106 100
91 214.6 103.8 311.3

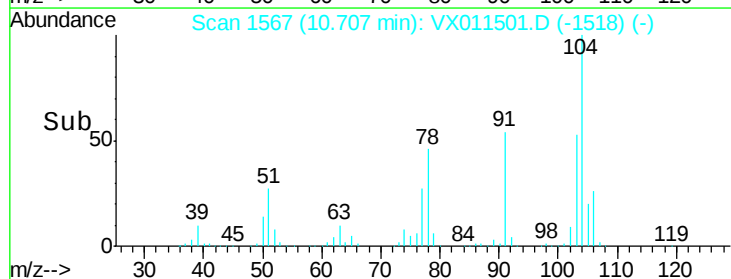
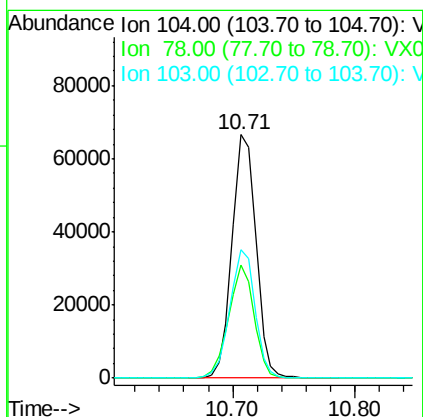
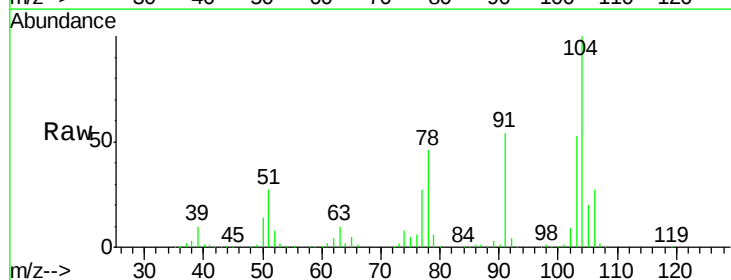
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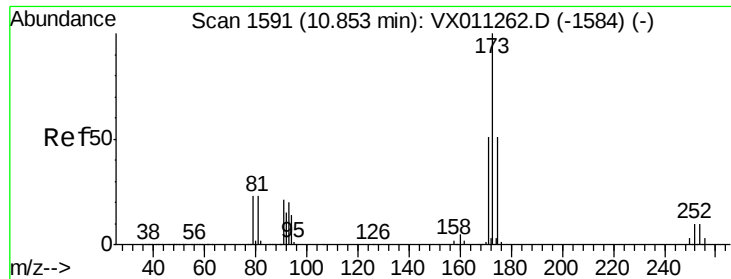
MMDadoda
8/14/2019 9:12:31 AM



#70
Styrene
Concen: 19.320 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VX011501.D
Acq: 12 Aug 2019 22:53

Tgt Ion:104 Resp: 90155
Ion Ratio Lower Upper
104 100
78 49.6 36.9 55.3
103 55.7 44.4 66.6





#71

Bromoform

Concen: 18.600 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX011501.D

Acq: 12 Aug 2019 22:53

Instrument :

MSVOA_X

ClientSampleId :

VX0812WBS02

Tot Ion:173 Resp: 22667

Ion Ratio Lower Upper

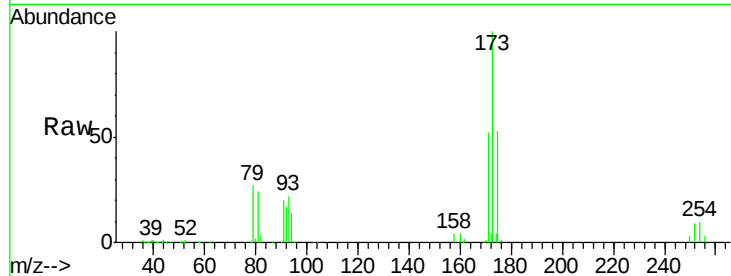
173 100

175 49.9 24.4 73.4

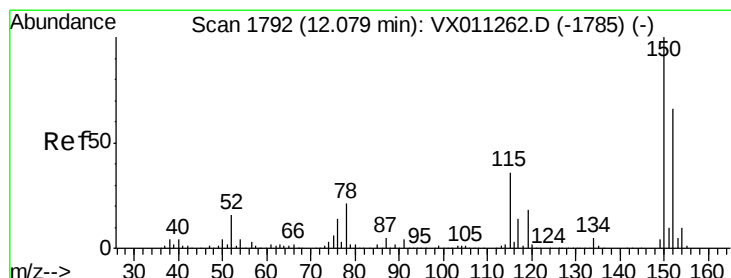
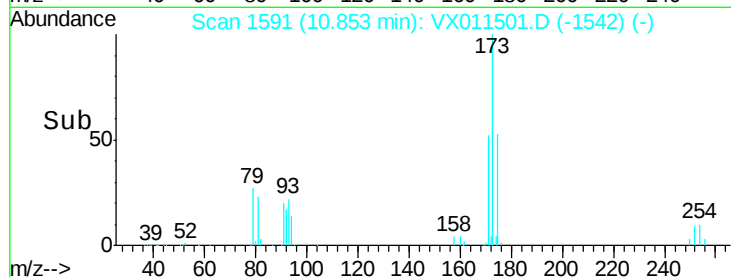
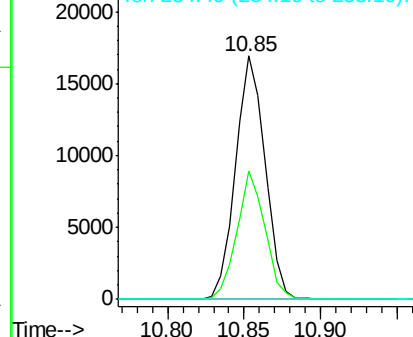
254 0.1 0.2 0.2#

Manual Integrations
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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: VX011501.D

Acq: 12 Aug 2019 22:53

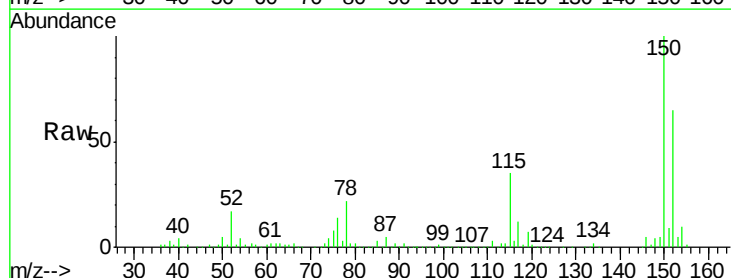
Tgt Ion:152 Resp: 105748

Ion Ratio Lower Upper

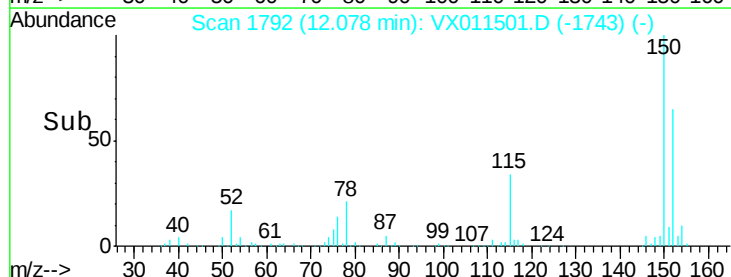
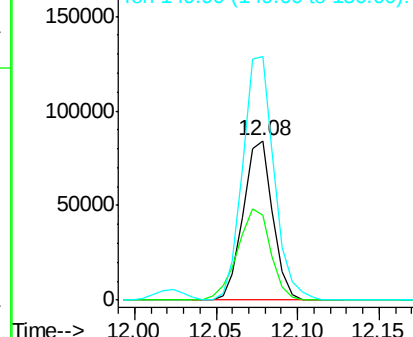
152 100

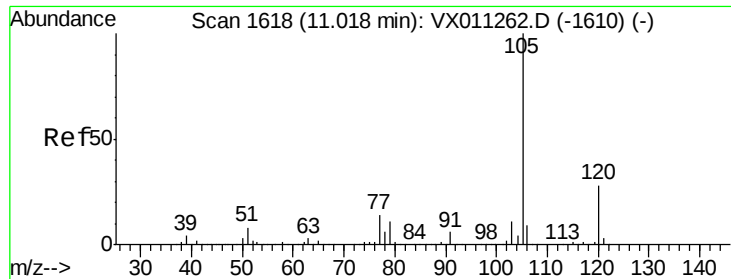
115 64.9 40.0 119.9

150 163.2 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: 19.970 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX011501.D

Acq: 12 Aug 2019 22:53

Instrument :

MSVOA_X

ClientSampleId :

VX0812WBS02

Tot Ion: 105 Resp: 144431

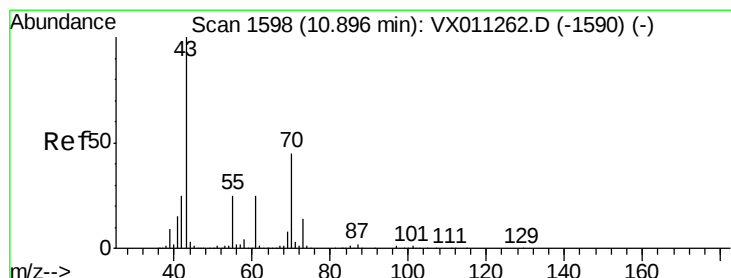
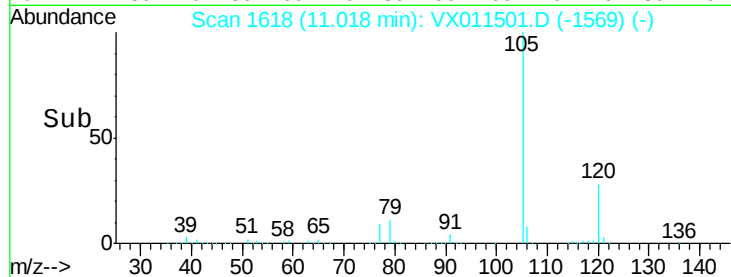
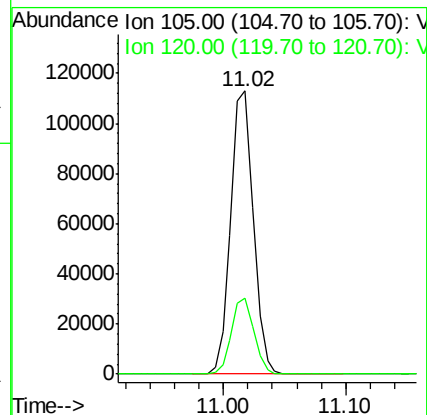
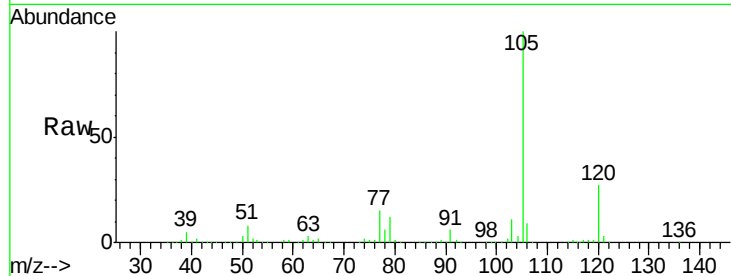
Ion Ratio Lower Upper

105 100

120 26.9 13.7 41.1

Manual Integrations
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#74

N-ethyl acetate

Concen: 21.057 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX011501.D

Acq: 12 Aug 2019 22:53

Tgt Ion: 43 Resp: 55029

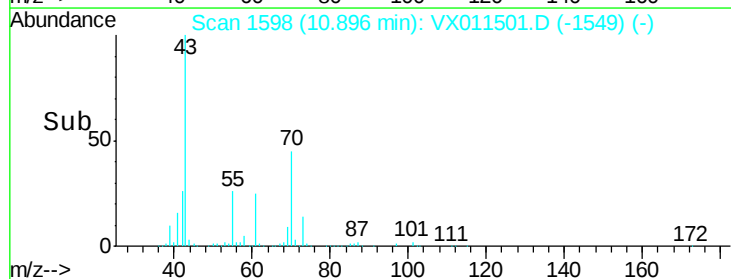
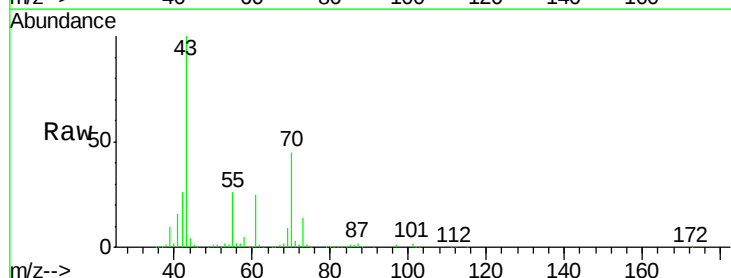
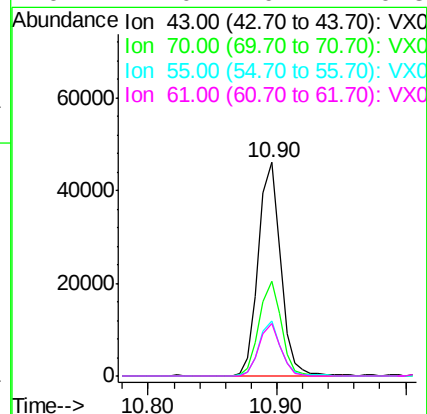
Ion Ratio Lower Upper

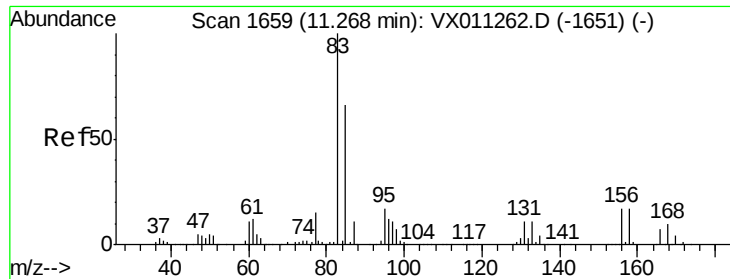
43 100

70 44.0 35.9 53.9

55 25.4 19.8 29.6

61 24.0 19.7 29.5





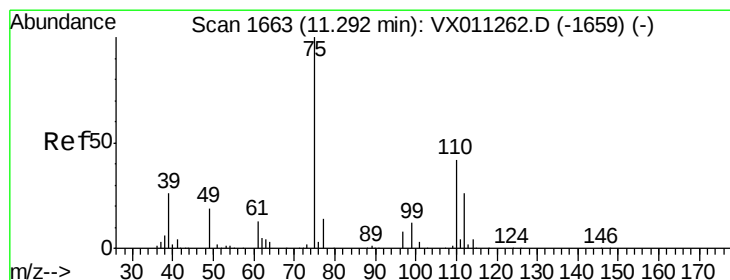
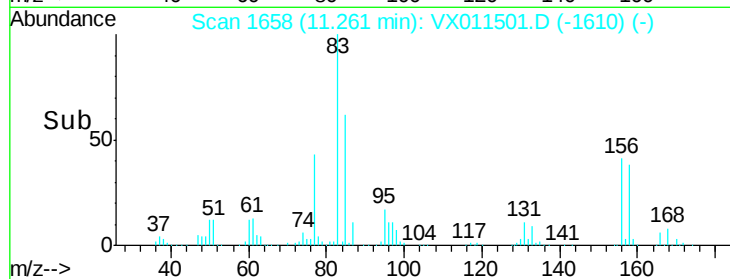
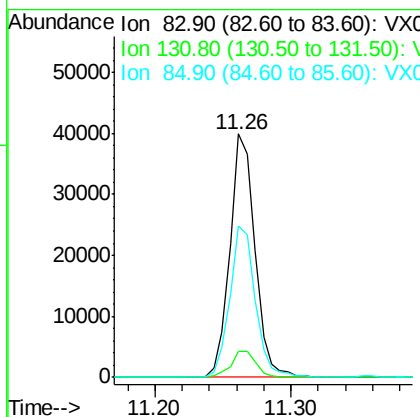
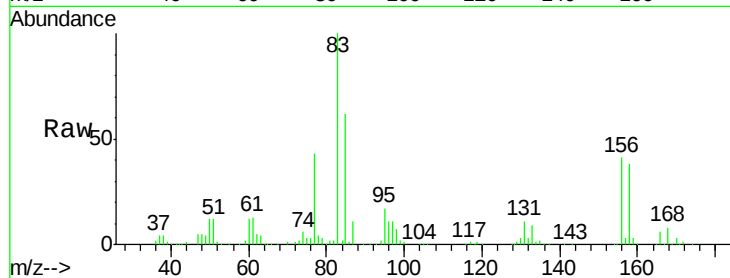
#75
 1,1,2,2-Tetrachloroethane
 Concen: 21.239 ug/l
 RT: 11.26 min Scan# 1658
 Delta R.T. -0.01 min
 Lab File: VX011501.D
 Acq: 12 Aug 2019 22:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0812WBS02

Tot Ion	83	Resp	51190
Ion Ratio	100	Lower	Upper
83	100		
131	10.9	5.6	16.8
85	63.6	32.1	96.5

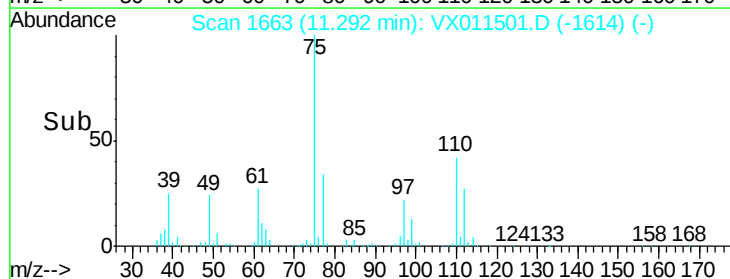
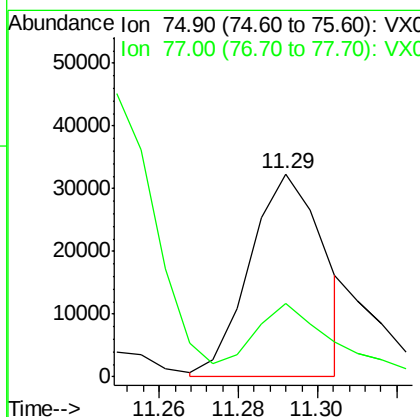
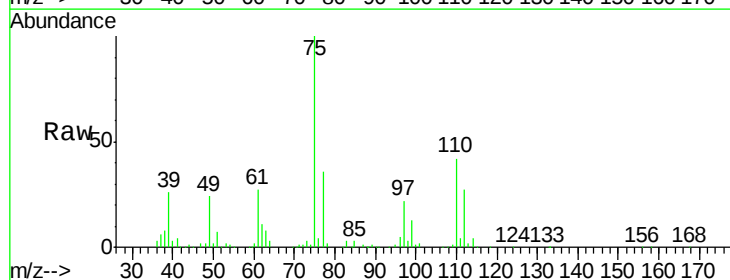
Manual Integrations
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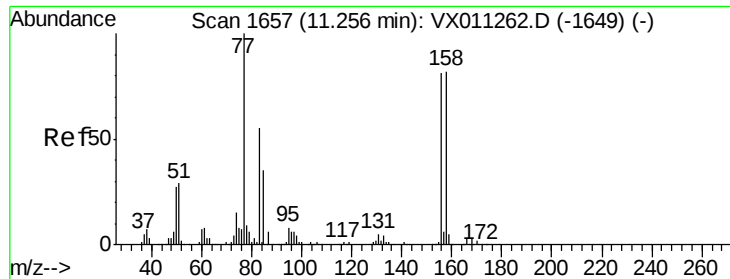
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#76
 1,2,3-Trichloropropane
 Concen: 21.703 ug/l m
 RT: 11.29 min Scan# 1663
 Delta R.T. -0.00 min
 Lab File: VX011501.D
 Acq: 12 Aug 2019 22:53

Tgt Ion	75	Resp	41795
Ion Ratio	100	Lower	Upper
75	100		
77	40.3	21.1	63.4





#77

Bromobenzene

Concen: 19.757 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. -0.01 min

Lab File: VX011501.D

Acq: 12 Aug 2019 22:53

Instrument :

MSVOA_X

ClientSampleId :

VX0812WBS02

Tot Ion:156 Resp: 39623

Ion Ratio Lower Upper

156 100

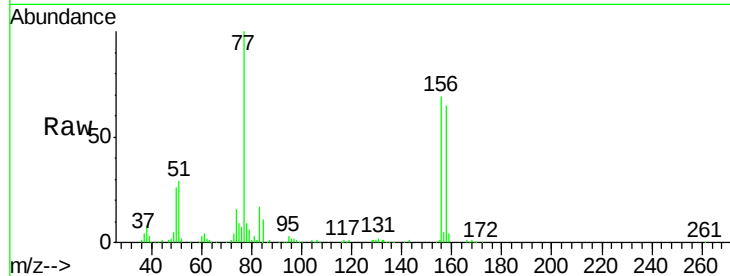
77 140.0 66.2 198.6

158 96.4 49.1 147.3

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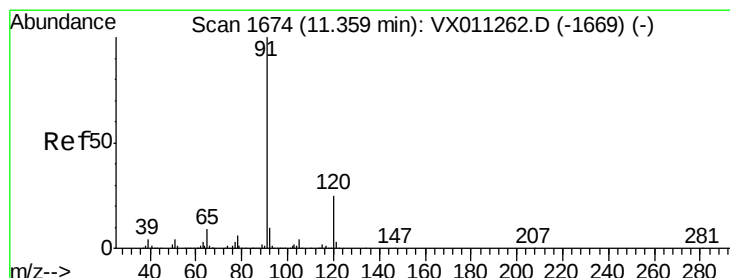
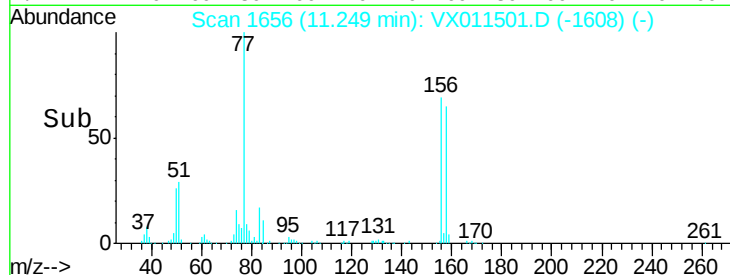
Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V

11.25

Time-->



#78

n-propylbenzene

Concen: 19.540 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX011501.D

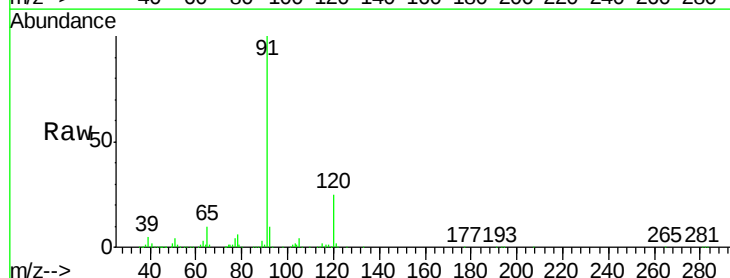
Acq: 12 Aug 2019 22:53

Tgt Ion: 91 Resp: 157156

Ion Ratio Lower Upper

91 100

120 24.0 12.4 37.0

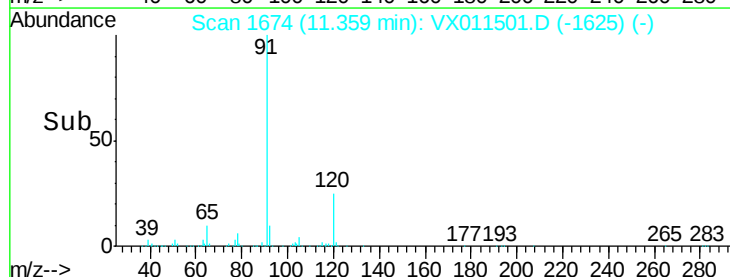


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

11.36

Time-->





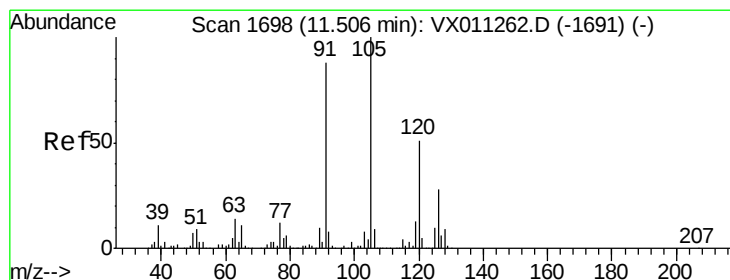
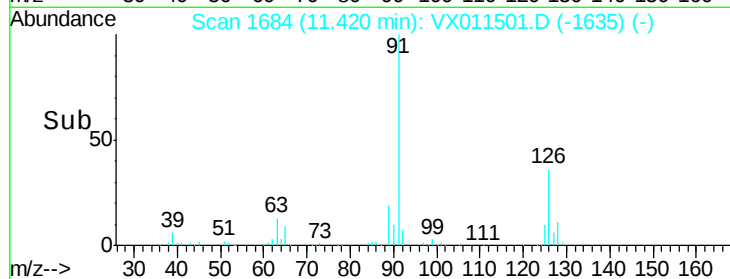
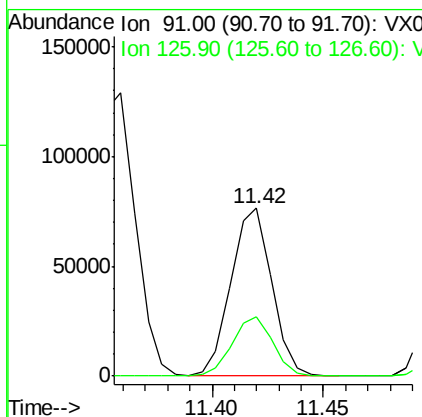
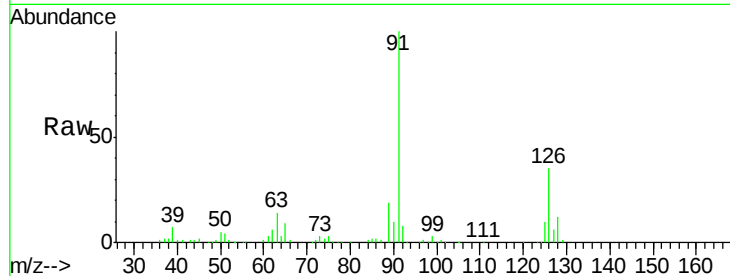
#79
2-Chlorotoluene
Concen: 20.270 ug/l
RT: 11.42 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VX011501.D
Acq: 12 Aug 2019 22:53

Instrument :
MSVOA_X
ClientSampled :
VX0812WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
126	35.7	18.5	55.5

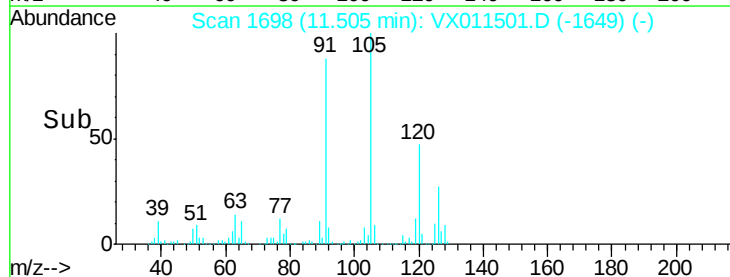
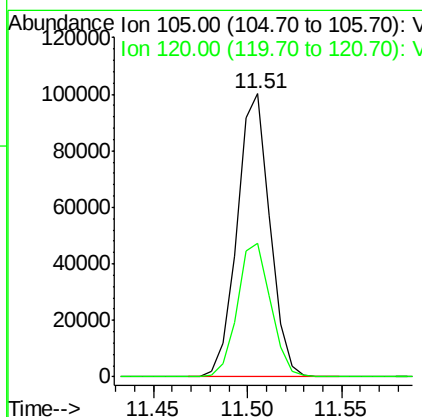
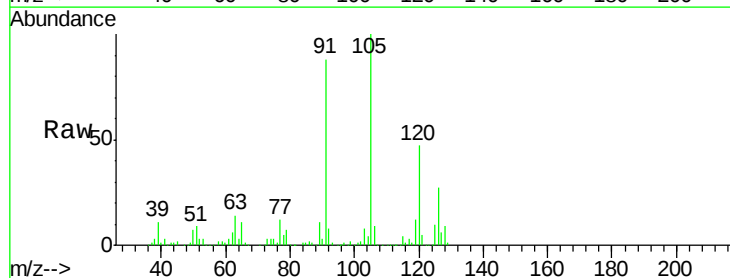
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#80
1,3,5-Trimethylbenzene
Concen: 19.959 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.00 min
Lab File: VX011501.D
Acq: 12 Aug 2019 22:53

Tgt Ion	Ratio	Lower	Upper
105	100		
120	48.0	25.1	75.2





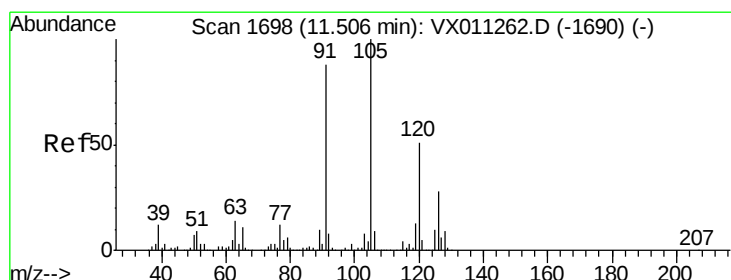
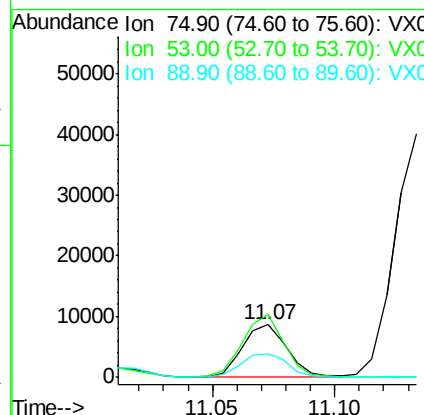
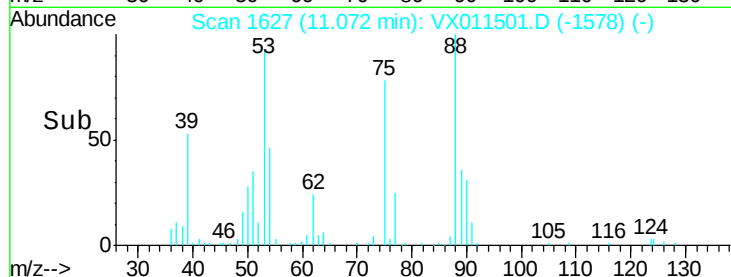
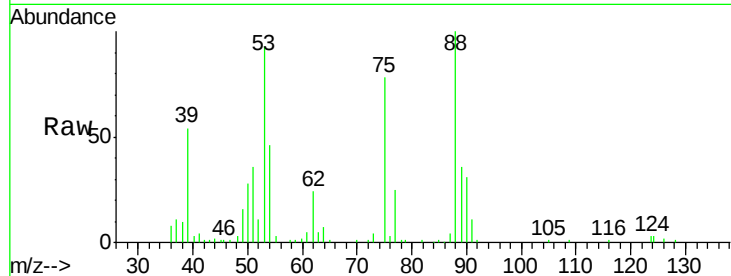
#81
trans-1,4-Dichloro-2-butene
Concen: 18.284 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX011501.D
Acq: 12 Aug 2019 22:53

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	112.6	78.2	117.4
89	47.3	37.9	56.9

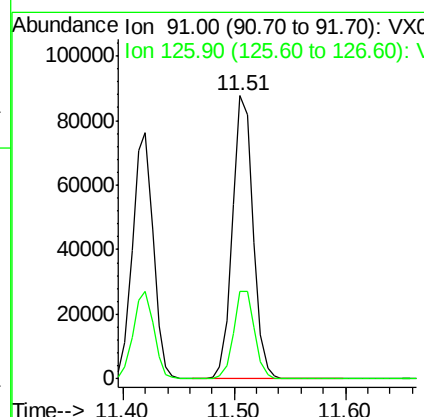
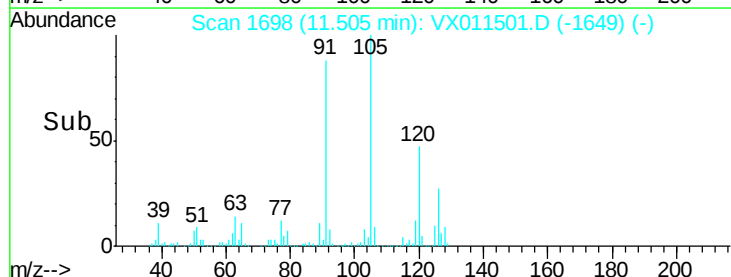
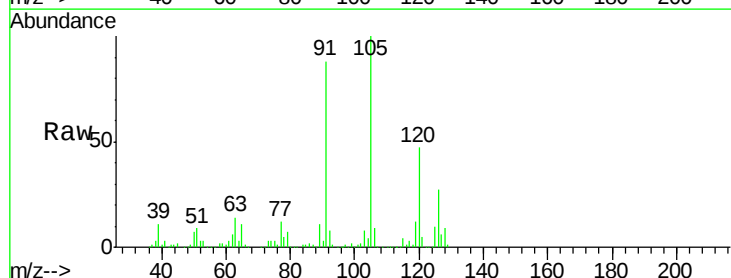
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#82
4-Chlorotoluene
Concen: 20.036 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.00 min
Lab File: VX011501.D
Acq: 12 Aug 2019 22:53

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.5	16.4	49.2





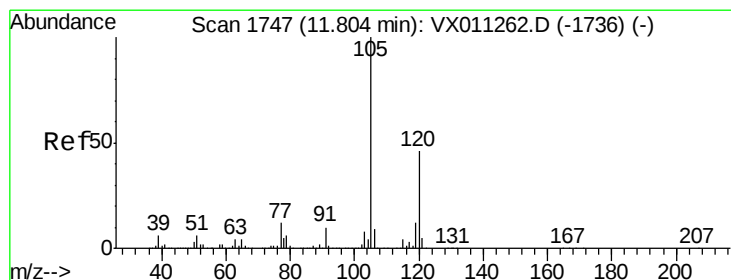
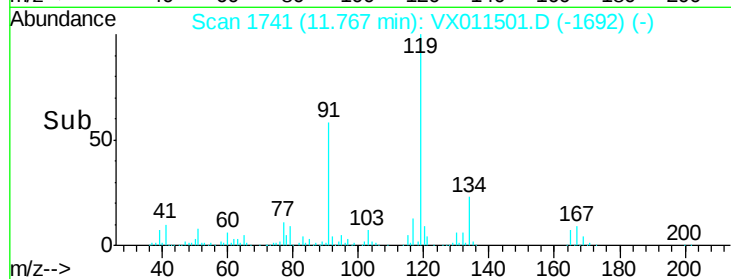
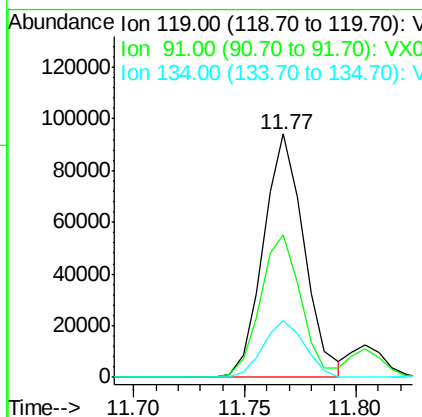
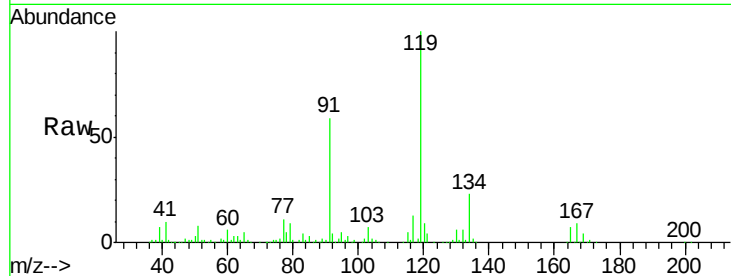
#83
 tert-Butylbenzene
 Concen: 20.141 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX011501.D
 Acq: 12 Aug 2019 22:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0812WBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	119594		
91	58.7	28.0	84.0	
134	23.6	11.9	35.5	

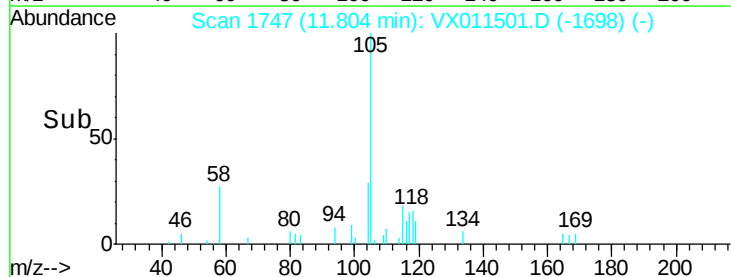
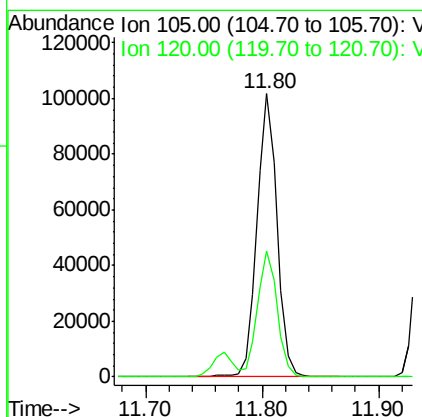
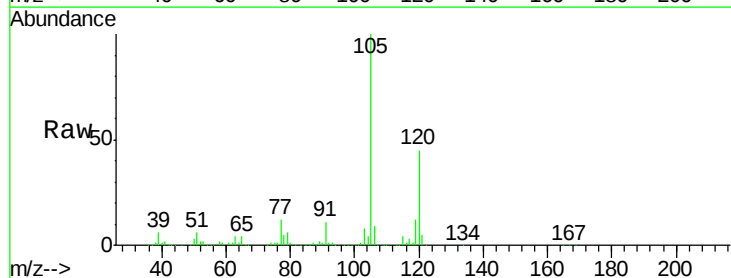
Manual Integrations
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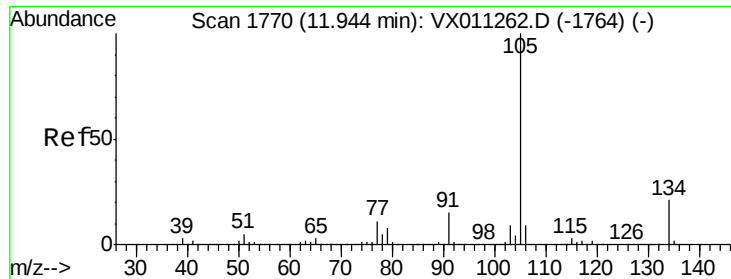
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.259 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX011501.D
 Acq: 12 Aug 2019 22:53

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	122120		
120	44.0	23.0	69.0	





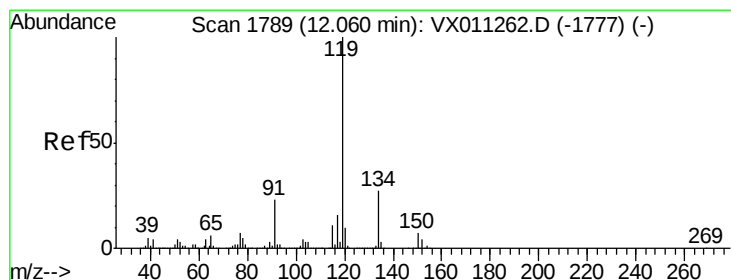
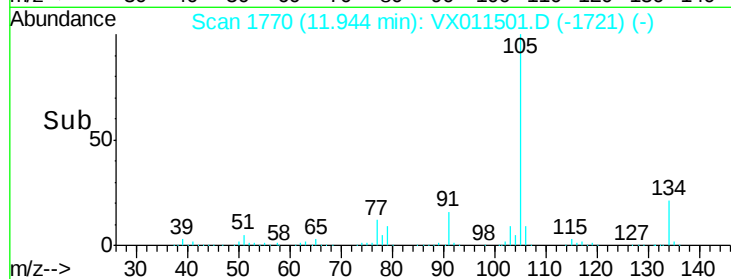
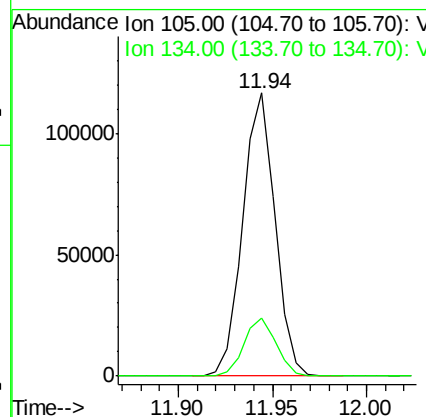
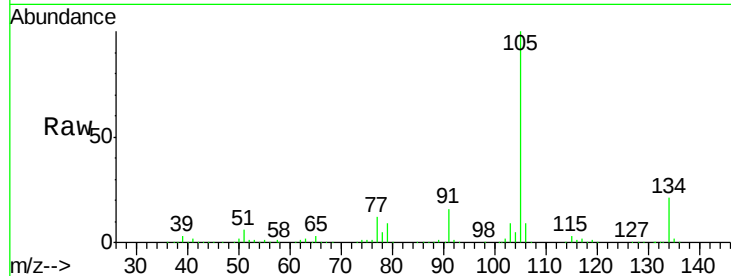
#85
 sec-Butylbenzene
 Concen: 19.452 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX011501.D
 Acq: 12 Aug 2019 22:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0812WBS02

Tot Ion	Ratio	Resp	Lower	Upper
105	100	138772		
134	20.6	10.4	31.4	

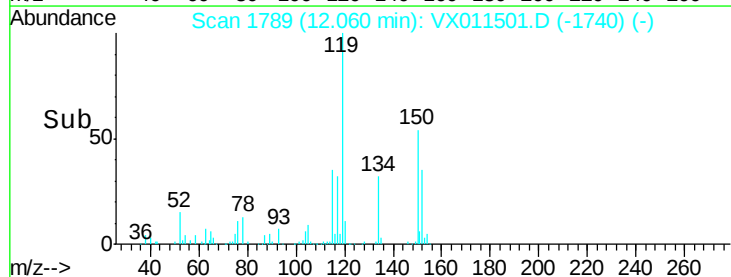
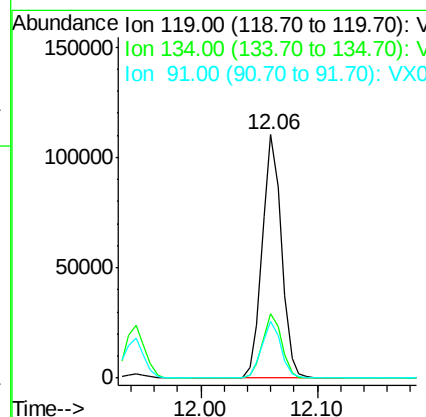
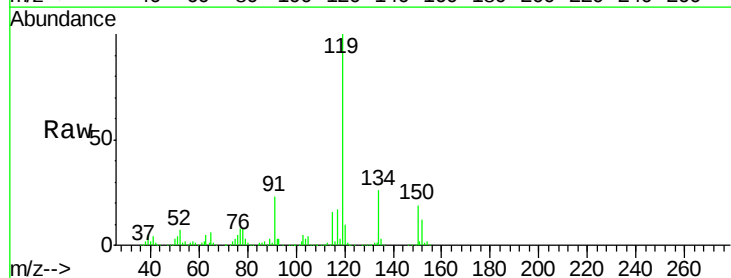
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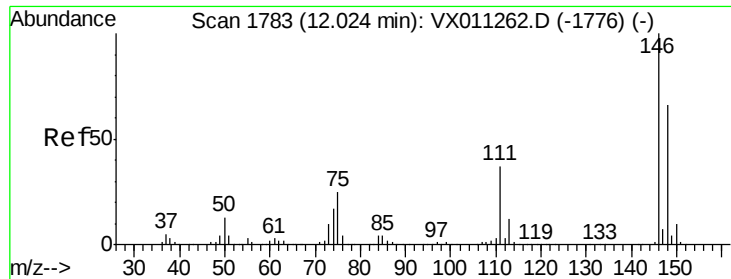
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#86
 p-Isopropyltoluene
 Concen: 19.450 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VX011501.D
 Acq: 12 Aug 2019 22:53

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	127655		
134	26.8	13.7	41.0	
91	23.7	11.4	34.2	





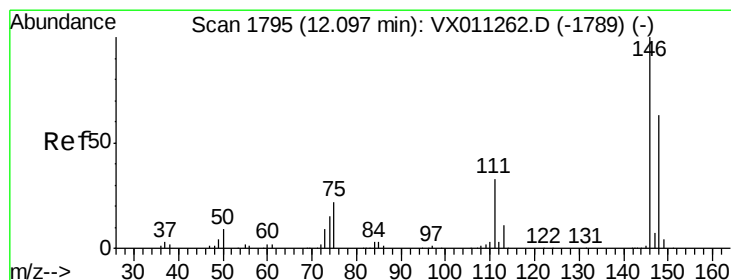
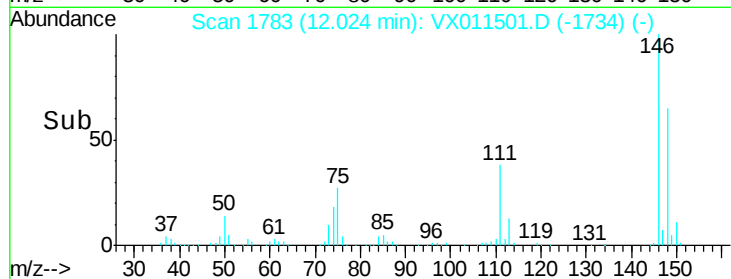
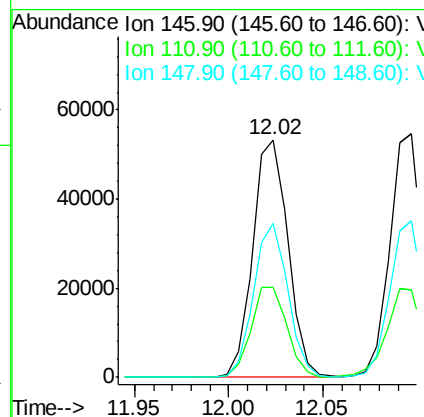
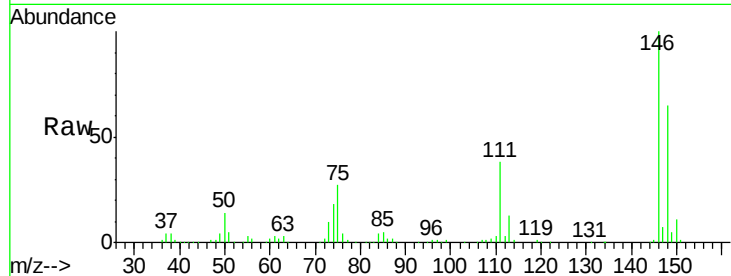
#87
 1,3-Dichlorobenzene
 Concen: 19.449 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX011501.D
 Acq: 12 Aug 2019 22:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0812WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	18.6	55.8
148	63.4	32.5	97.5

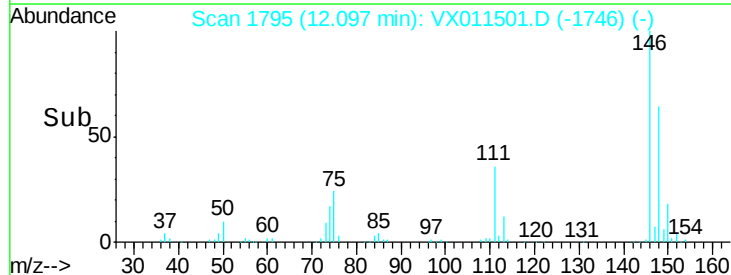
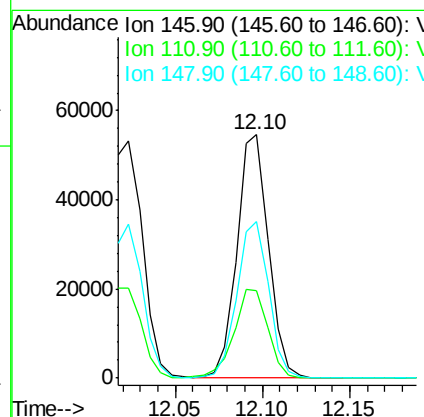
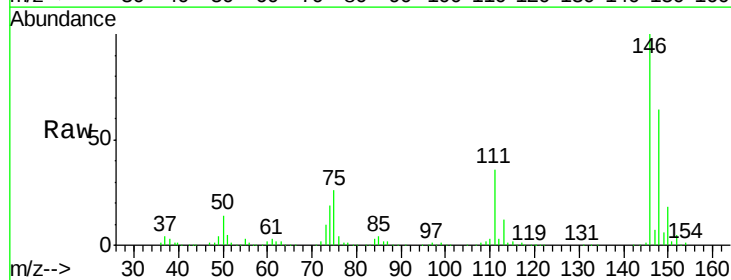
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#88
 1,4-Dichlorobenzene
 Concen: 18.773 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX011501.D
 Acq: 12 Aug 2019 22:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	17.8	53.4
148	64.9	31.8	95.3





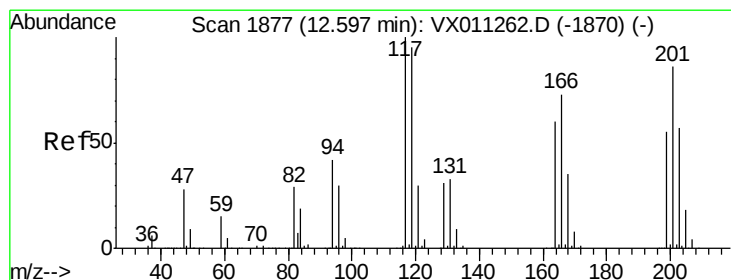
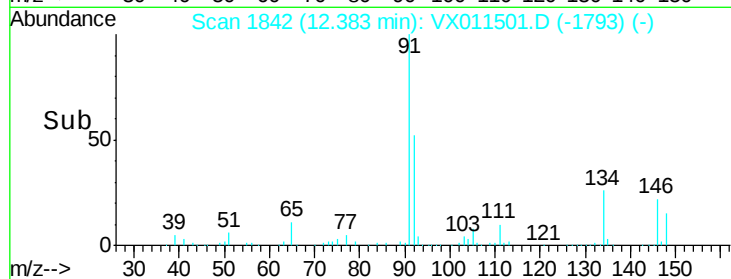
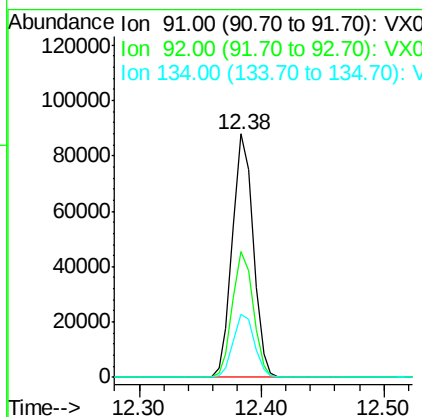
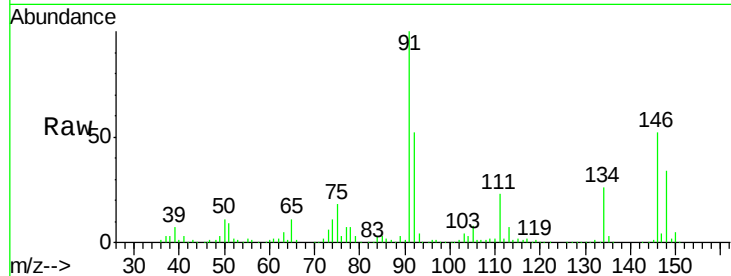
#89
n-Butylbenzene
Concen: 18.302 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX011501.D
Acq: 12 Aug 2019 22:53

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.6	25.8	77.3
134	26.3	13.7	41.0

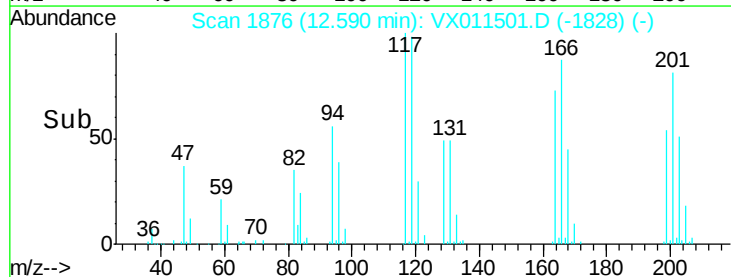
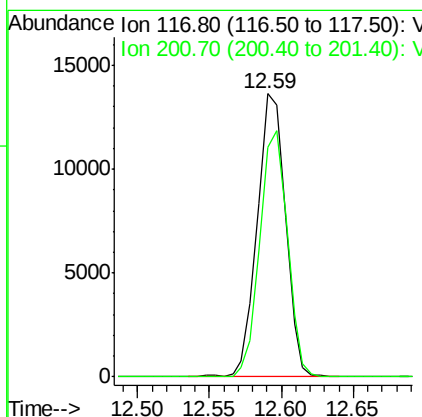
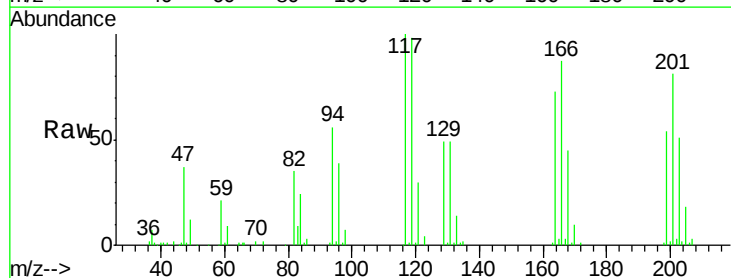
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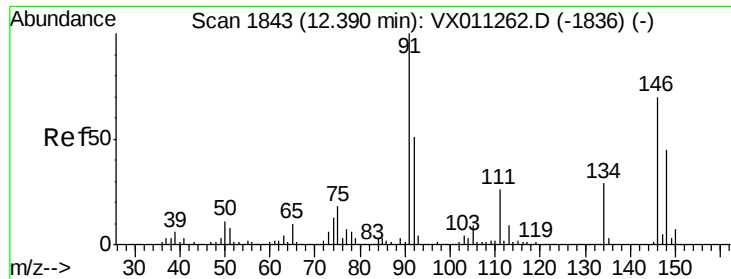
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#90
Hexachloroethane
Concen: 18.961 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX011501.D
Acq: 12 Aug 2019 22:53

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.1	41.8	125.4





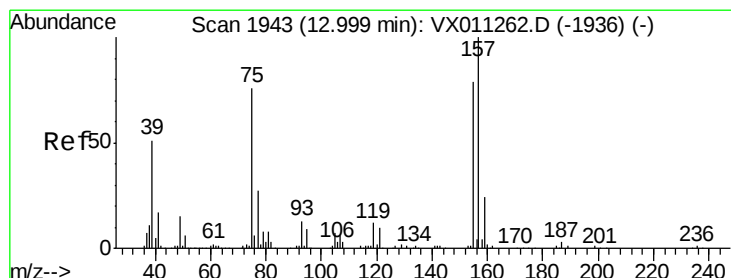
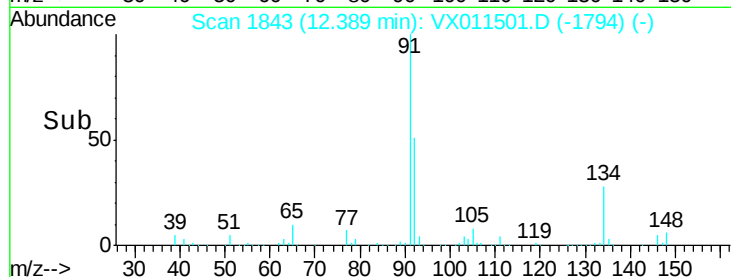
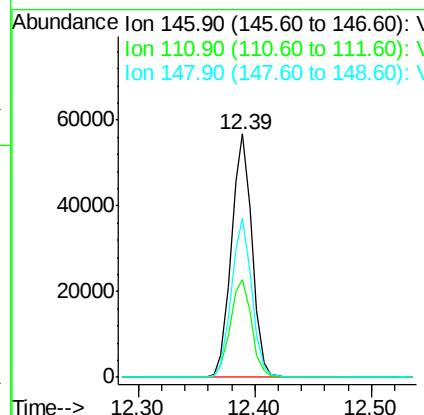
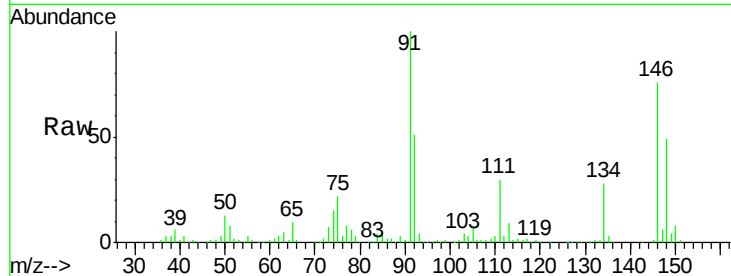
#91
 1,2-Dichlorobenzene
 Concen: 19.483 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX011501.D
 Acq: 12 Aug 2019 22:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0812WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	19.1	57.1
148	65.0	32.3	96.8

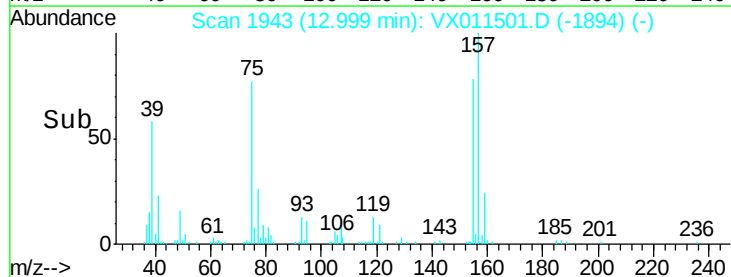
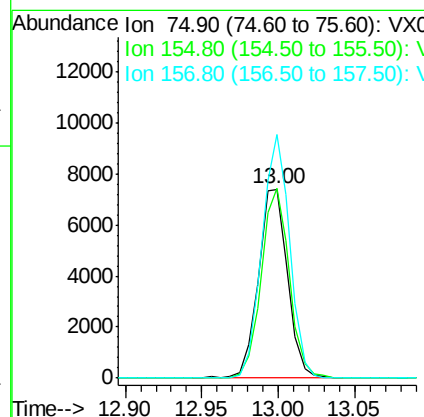
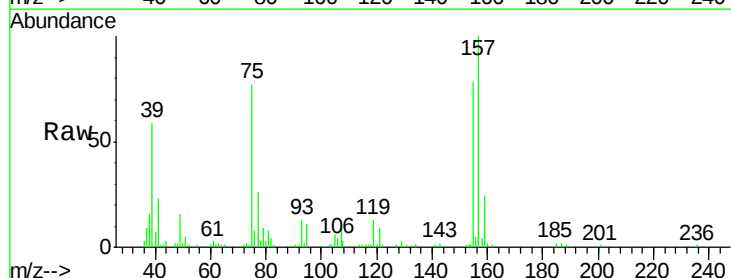
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.028 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX011501.D
 Acq: 12 Aug 2019 22:53

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.6	51.9	155.8
157	122.4	64.3	192.7





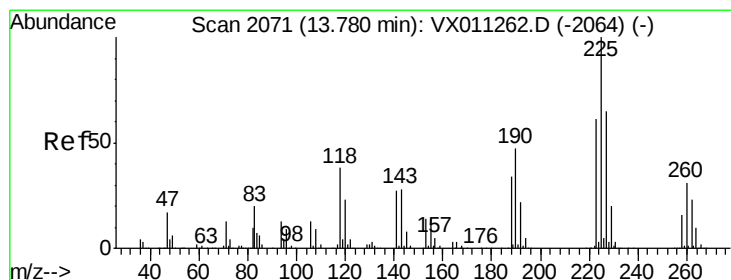
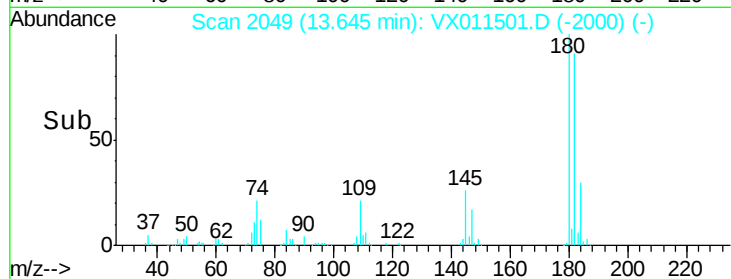
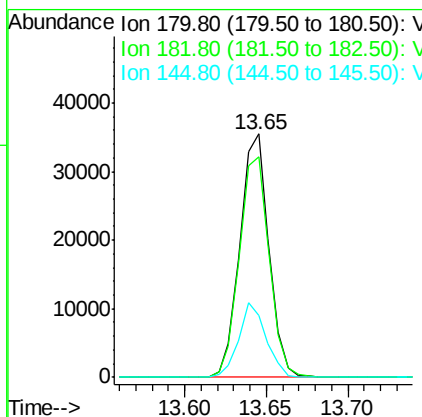
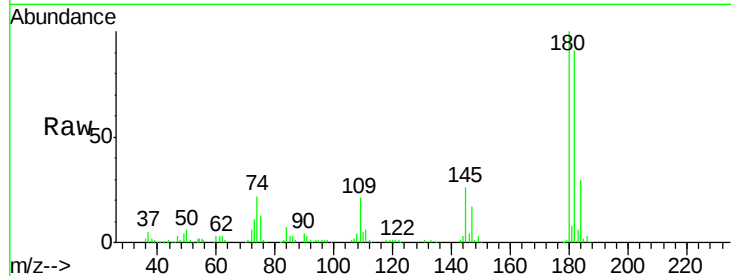
#93
 1,2,4-Trichlorobenzene
 Concen: 18.582 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX011501.D
 Acq: 12 Aug 2019 22:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0812WBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	43877		
182	94.2		47.8	143.4
145	29.0		14.8	44.3

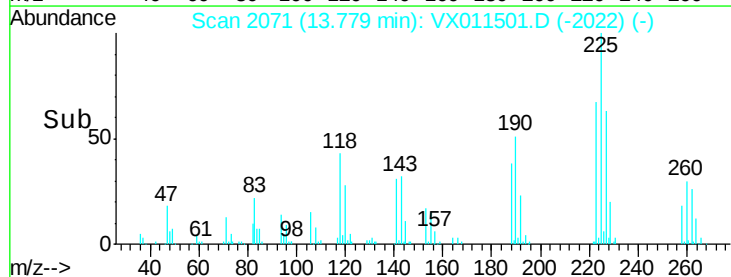
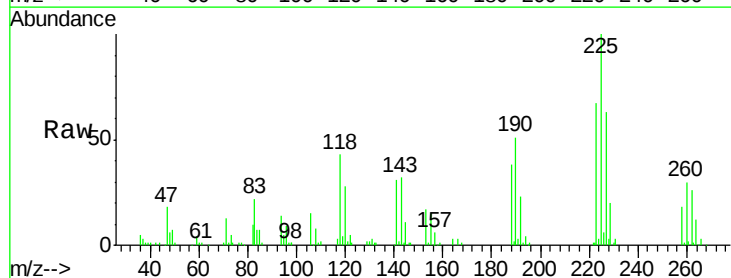
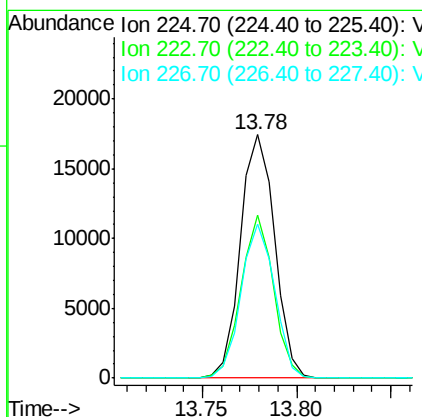
Manual Integrations
 APPROVED

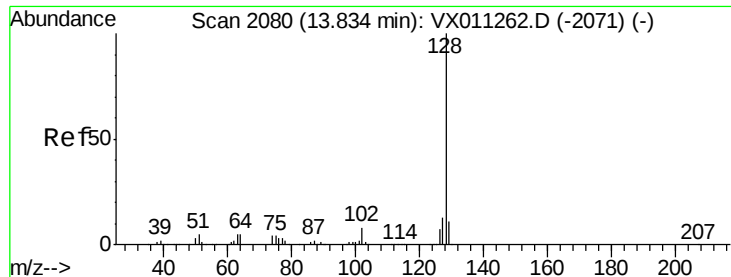
MMDadoda
 8/14/2019 9:12:31 AM



#94
 Hexachlorobutadiene
 Concen: 18.388 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX011501.D
 Acq: 12 Aug 2019 22:53

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	22028		
223	63.6		31.0	93.0
227	62.0		32.2	96.6





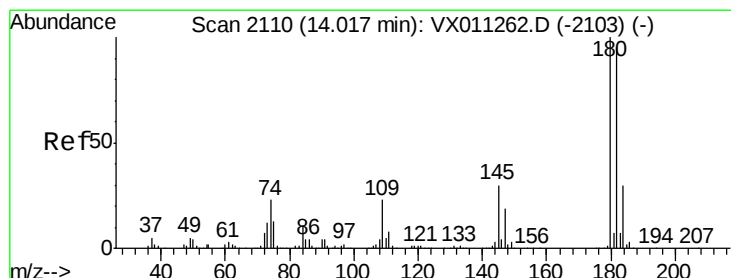
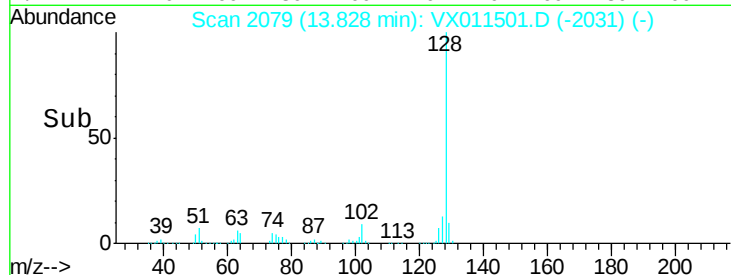
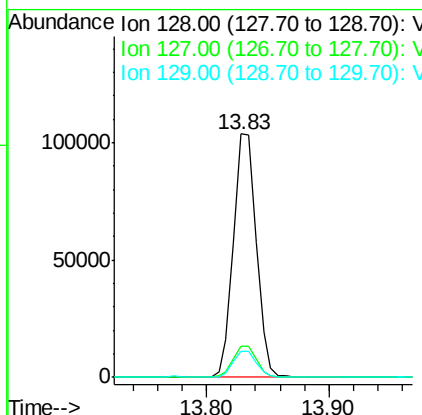
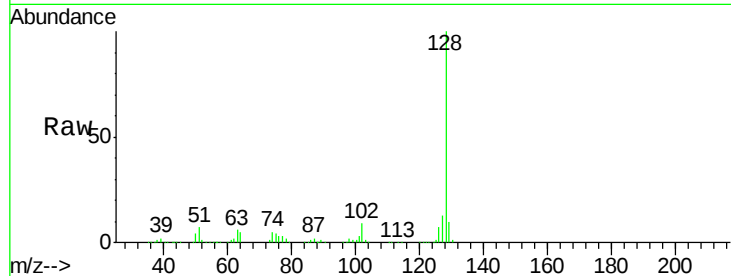
#95
Naphthalene
Concen: 19.390 ug/l
RT: 13.83 min Scan# 2079
Delta R.T. -0.01 min
Lab File: VX011501.D
Acq: 12 Aug 2019 22:53

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS02

Tot Ion	Ratio	Resp	Lower	Upper
128	100	133893		
127	13.2		10.4	15.6
129	11.0		8.9	13.3

Manual Integrations
APPROVED

MMDadoda
8/14/2019 9:12:31 AM



#96
1,2,3-Trichlorobenzene
Concen: 18.452 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX011501.D
Acq: 12 Aug 2019 22:53

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	44294		
182	96.5		47.4	142.3
145	30.8		15.2	45.6

