

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081219\
 Data File : VX011475.D
 Acq On : 12 Aug 2019 11:58
 Operator : JC/SP
 Sample : VX0812WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0812WBS01

Manual Integrations
 APPROVED

MMDadoda
 8/14/2019 9:13:50 AM

Quant Time: Aug 13 07:59:59 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	156849	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	232689	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	216570	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	112219	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	82323	52.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.24%	
35) Dibromofluoromethane	5.49	113	70514	46.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.84%	
50) Toluene-d8	8.71	98	261505	45.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.20%	
62) 4-Bromofluorobenzene	11.13	95	96553	47.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.32%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.19	85	21465	17.719	ug/l	95
3) Chloromethane	1.32	50	23268	17.104	ug/l	100
4) Vinyl Chloride	1.40	62	24966	16.684	ug/l	100
5) Bromomethane	1.63	94	18813	17.628	ug/l	97
6) Chloroethane	1.71	64	16329	15.837	ug/l	98
7) Trichlorofluoromethane	1.92	101	45948	17.269	ug/l	100
8) Diethyl Ether	2.18	74	16581	17.453	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	26213	18.208	ug/l	97
10) Methyl Iodide	2.50	142	28173	15.522	ug/l	97
11) Tert butyl alcohol	3.03	59	31593	100.317	ug/l	95
12) 1,1-Dichloroethene	2.37	96	25068	17.566	ug/l	90
13) Acrolein	2.29	56	16629	84.673	ug/l	92
14) Allyl chloride	2.72	41	37680	19.806	ug/l	96
15) Acrylonitrile	3.14	53	75101	99.917	ug/l	96
16) Acetone	2.43	43	72823	96.860	ug/l	99
17) Carbon Disulfide	2.56	76	54346	16.228	ug/l	98
18) Methyl Acetate	2.76	43	36117	21.021	ug/l	99
19) Methyl tert-butyl Ether	3.18	73	85390	20.304	ug/l	98
20) Methylene Chloride	2.85	84	29723	18.052	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	27426	18.168	ug/l	91
22) Diisopropyl ether	3.85	45	81958	19.601	ug/l	98
23) Vinyl Acetate	3.81	43	354394	102.189	ug/l	99
24) 1,1-Dichloroethane	3.69	63	48448	19.650	ug/l	95
25) 2-Butanone	4.67	43	107268	100.298	ug/l	94
26) 2,2-Dichloropropane	4.57	77	38304	19.985	ug/l	97
27) cis-1,2-Dichloroethene	4.59	96	32189	18.512	ug/l	97
28) Bromochloromethane	5.01	49	24076	21.420	ug/l	95
29) Tetrahydrofuran	5.12	42	64609	98.526	ug/l	99
30) Chloroform	5.20	83	53987	20.146	ug/l	96
31) Cyclohexane	5.57	56	36863	18.122	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	45321	19.743	ug/l	97
36) 1,1-Dichloropropene	5.79	75	35459	17.454	ug/l	98
37) Ethyl Acetate	4.82	43	38253	18.771	ug/l	99
38) Carbon Tetrachloride	5.78	117	38785	18.976	ug/l	96

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	40533	16.832	ug/l	96
40) Benzene	6.13	78	113355	18.698	ug/l	99
41) Methacrylonitrile	5.04	41	21472	19.293	ug/l	97
42) 1,2-Dichloroethane	6.18	62	42421	20.693	ug/l	100
43) Isopropyl Acetate	6.43	43	61800	18.969	ug/l	99
44) Trichloroethene	7.21	130	32746	17.845	ug/l	92
45) 1,2-Dichloropropane	7.51	63	28932	18.427	ug/l	94
46) Dibromomethane	7.66	93	21544	18.797	ug/l	97
47) Bromodichloromethane	7.89	83	39115	20.157	ug/l	95
48) Methyl methacrylate	7.77	41	30292	19.756	ug/l	99
49) 1,4-Dioxane	7.74	88	15881	357.270	ug/l	91
51) 4-Methyl-2-Pentanone	8.63	43	212405	101.020	ug/l	99
52) Toluene	8.78	92	74105	18.488	ug/l	97
53) t-1,3-Dichloropropene	9.04	75	39589	19.362	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	42695	18.835	ug/l	97
55) 1,1,2-Trichloroethane	9.21	97	31942	19.382	ug/l	98
56) Ethyl methacrylate	9.17	69	44896	19.117	ug/l	96
57) 1,3-Dichloropropane	9.37	76	50429	19.348	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	111778	96.798	ug/l	100
59) 2-Hexanone	9.49	43	166509	102.240	ug/l	97
60) Dibromochloromethane	9.58	129	31562	18.706	ug/l	100
61) 1,2-Dibromoethane	9.67	107	33536	18.835	ug/l	99
64) Tetrachloroethene	9.34	164	33715	18.331	ug/l	95
65) Chlorobenzene	10.13	112	85879	18.494	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.22	131	30779	19.361	ug/l	100
67) Ethyl Benzene	10.25	91	143841	18.496	ug/l	98
68) m/p-Xylenes	10.35	106	111059	36.921	ug/l	99
69) o-Xylene	10.69	106	52762	17.852	ug/l	96
70) Styrene	10.71	104	91842	18.780	ug/l	98
71) Bromoform	10.85	173	23054	18.135	ug/l #	100
73) Isopropylbenzene	11.02	105	146675	19.111	ug/l	99
74) N-amyl acetate	10.90	43	55907	20.160	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.26	83	50146	19.606	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	42726m	20.907	ug/l	
77) Bromobenzene	11.25	156	39571	18.593	ug/l	96
78) n-propylbenzene	11.35	91	159097	18.640	ug/l	100
79) 2-Chlorotoluene	11.41	91	97262	19.119	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	121710	18.944	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.07	75	11834	18.590	ug/l	89
82) 4-Chlorotoluene	11.51	91	111796	18.857	ug/l	98
83) tert-Butylbenzene	11.77	119	119270	18.928	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	123002	19.229	ug/l	99
85) sec-Butylbenzene	11.94	105	141603	18.704	ug/l	99
86) p-Isopropyltoluene	12.06	119	131122	18.826	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	69908	18.591	ug/l	98
88) 1,4-Dichlorobenzene	12.10	146	70492	18.179	ug/l	98
89) n-Butylbenzene	12.38	91	108329	18.054	ug/l	100
90) Hexachloroethane	12.59	117	19141	18.589	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	70522	18.665	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	9862	19.902	ug/l	92

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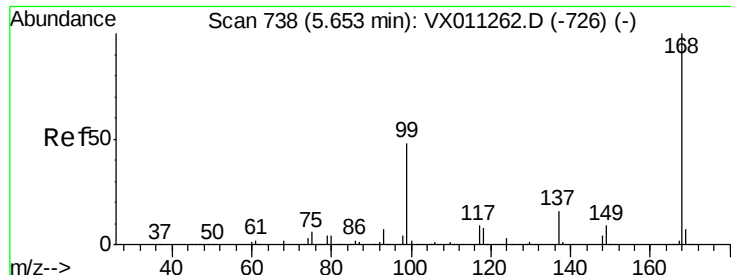
Manual Integrations
APPROVED

MMDadoda
8/14/2019 9:13:50 AM

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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)
93) 1,2,4-Trichlorobenzene	13.65	180	45221	18.047	ug/l	98
94) Hexachlorobutadiene	13.78	225	23737	18.672	ug/l	98
95) Naphthalene	13.83	128	137434	18.755	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	47392	18.604	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: VX011475.D

Acq: 12 Aug 2019 11:58

Instrument :

MSVOA_X

ClientSampleId :

VX0812WBS01

Tot Ion:168 Resp: 156849

Ion Ratio Lower Upper

168 100

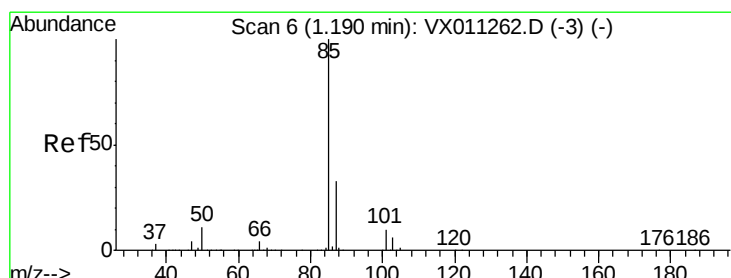
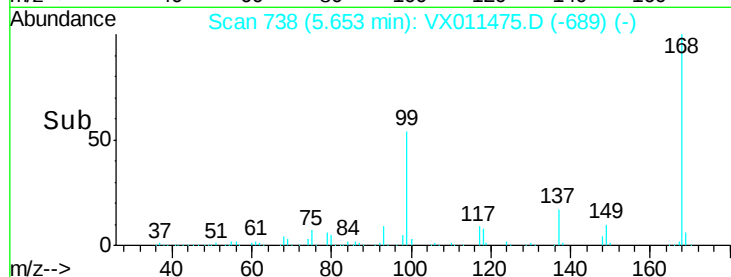
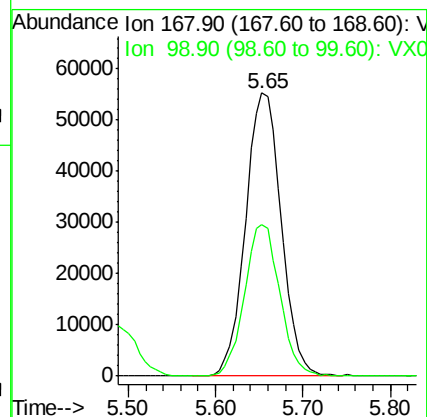
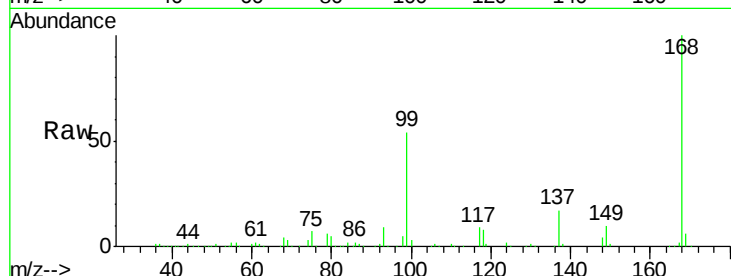
99 53.7 38.5 57.7

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 17.719 ug/l

RT: 1.19 min Scan# 6

Delta R.T. 0.00 min

Lab File: VX011475.D

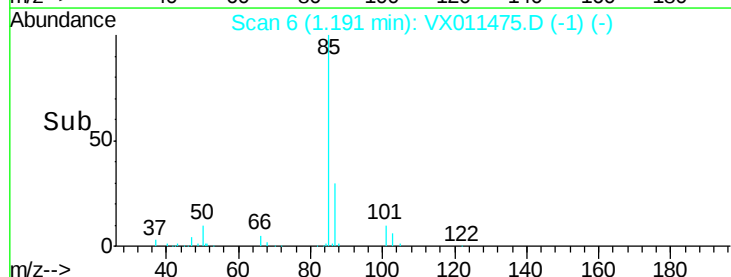
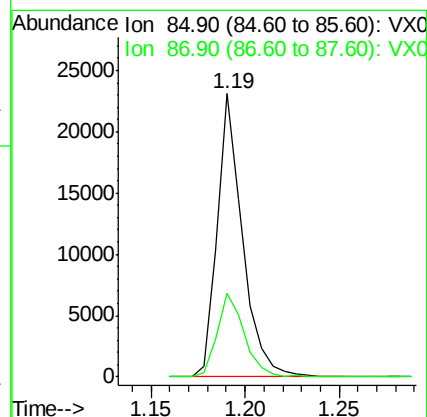
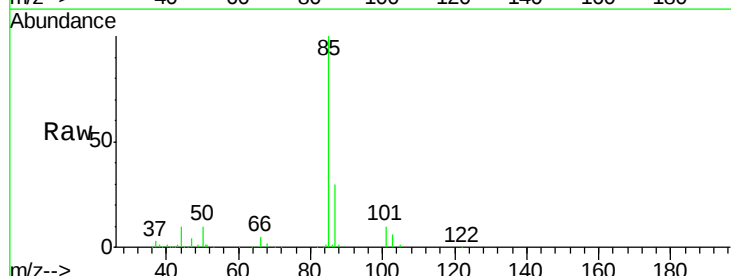
Acq: 12 Aug 2019 11:58

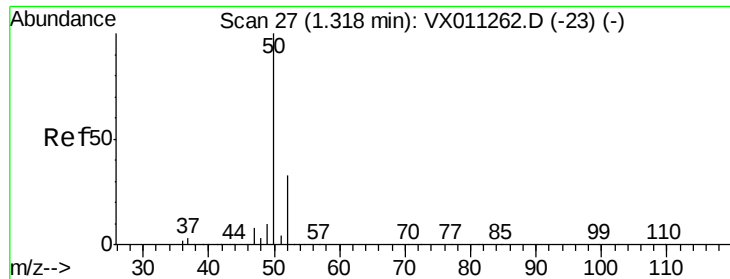
Tgt Ion: 85 Resp: 21465

Ion Ratio Lower Upper

85 100

87 29.6 16.4 49.1





#3

Chloromethane

Concen: 17.104 ug/l

RT: 1.32 min Scan# 27

Delta R.T. 0.00 min

Lab File: VX011475.D

Acq: 12 Aug 2019 11:58

Instrument :

MSVOA_X

ClientSampleId :

VX0812WBS01

Tot Ion: 50 Resp: 23268

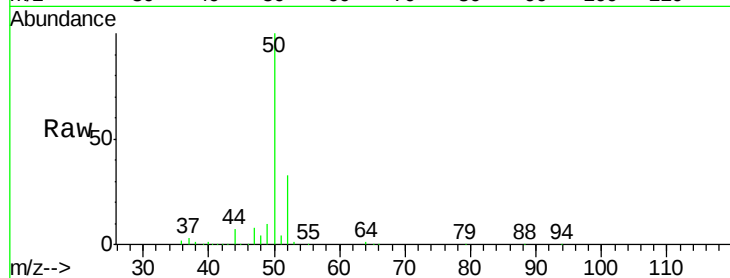
Ion Ratio Lower Upper

50 100

52 33.1 26.4 39.6

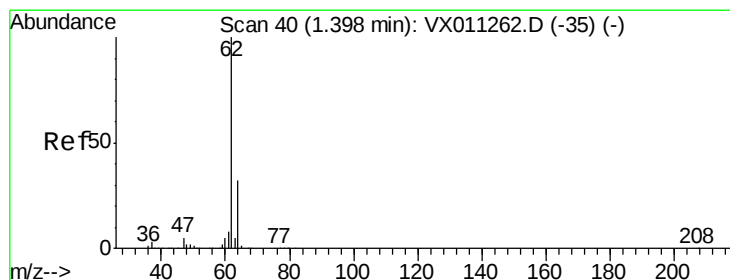
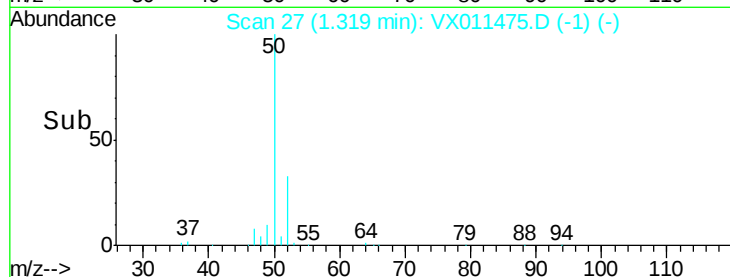
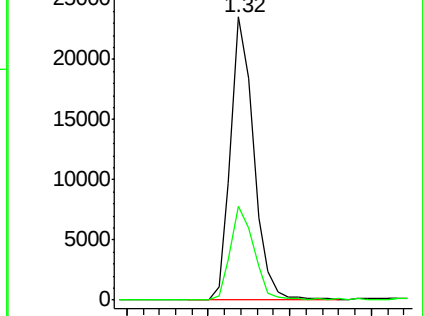
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 16.684 ug/l

RT: 1.40 min Scan# 40

Delta R.T. 0.00 min

Lab File: VX011475.D

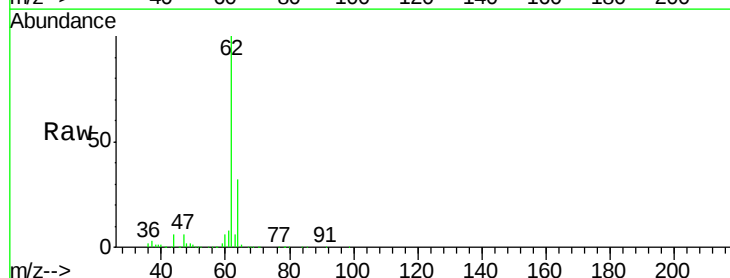
Acq: 12 Aug 2019 11:58

Tgt Ion: 62 Resp: 24966

Ion Ratio Lower Upper

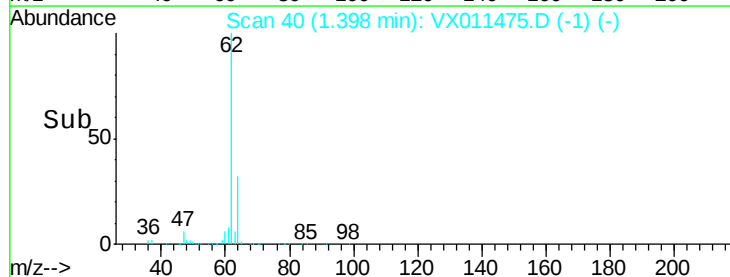
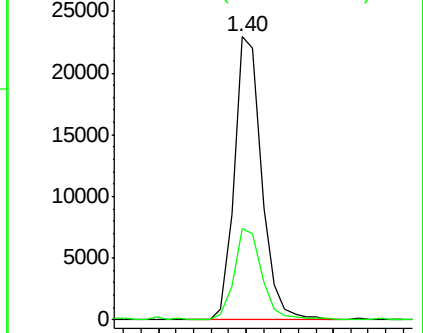
62 100

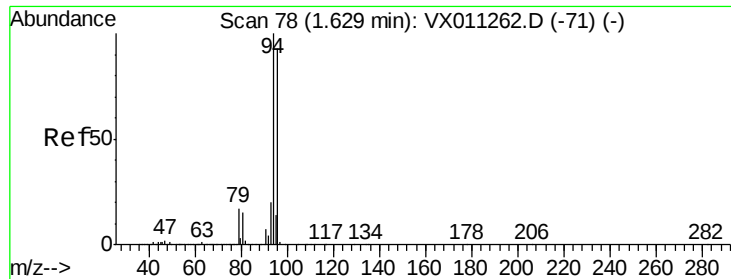
64 32.3 26.0 39.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 17.628 ug/l

RT: 1.63 min Scan# 78

Delta R.T. 0.00 min

Lab File: VX011475.D

Acq: 12 Aug 2019 11:58

Instrument :

MSVOA_X

ClientSampleId :

VX0812WBS01

Tot Ion: 94 Resp: 18813

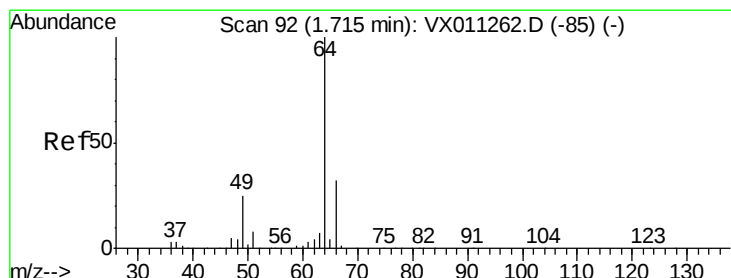
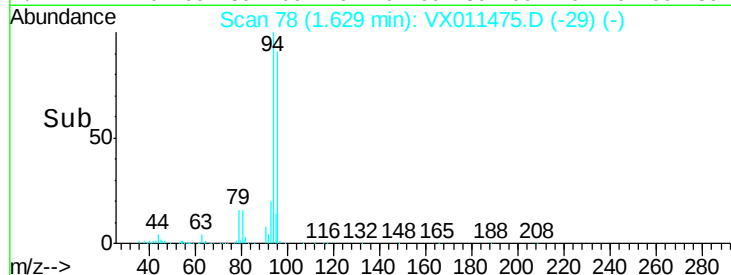
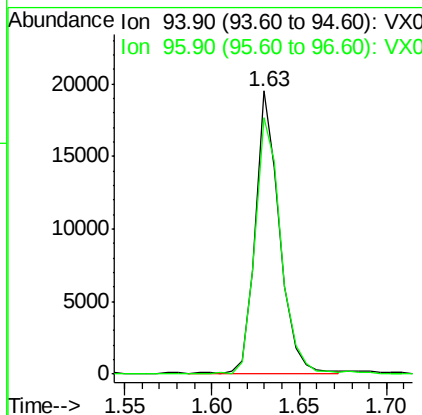
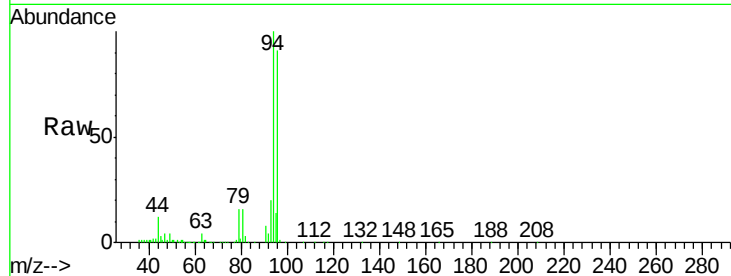
Ion Ratio Lower Upper

94 100

96 90.6 74.6 112.0

Manual Integrations
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#6

Chloroethane

Concen: 15.837 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX011475.D

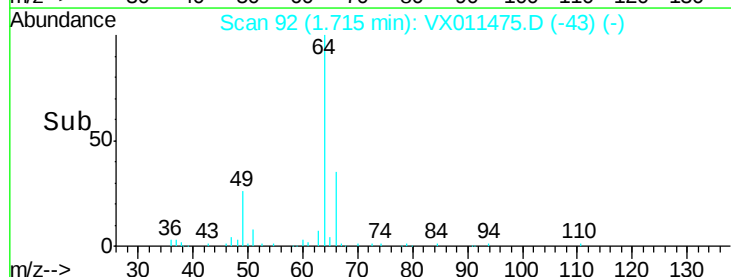
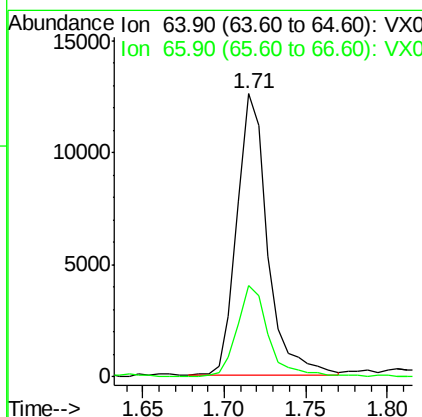
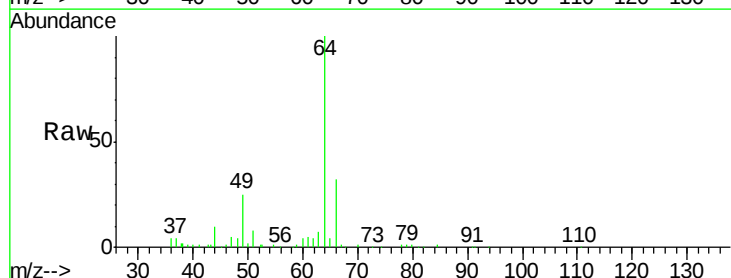
Acq: 12 Aug 2019 11:58

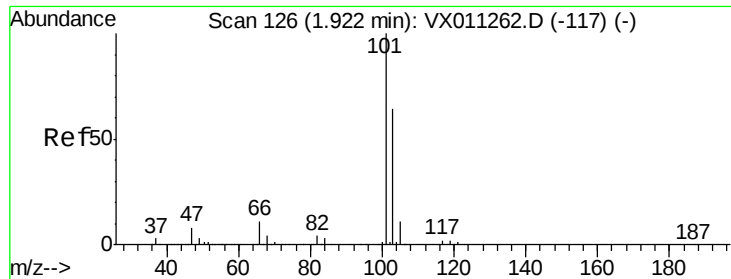
Tgt Ion: 64 Resp: 16329

Ion Ratio Lower Upper

64 100

66 32.6 25.1 37.7





#7

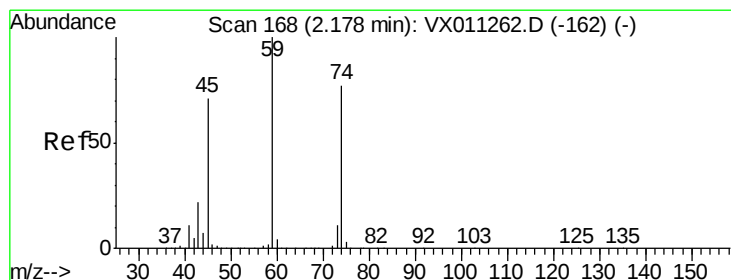
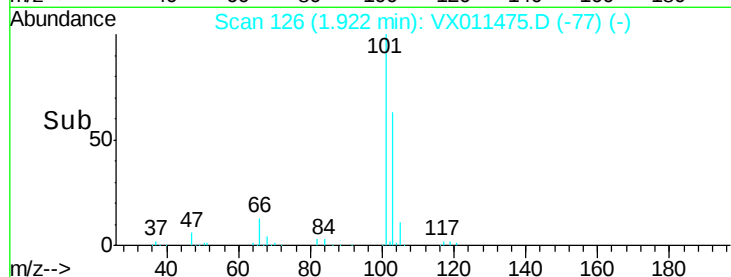
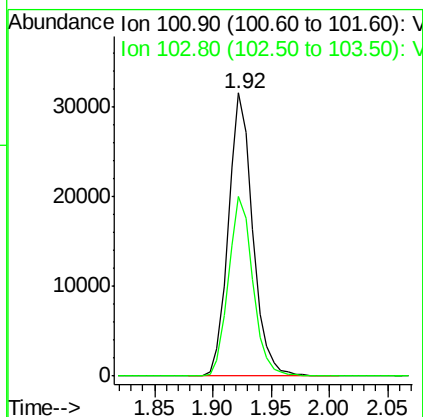
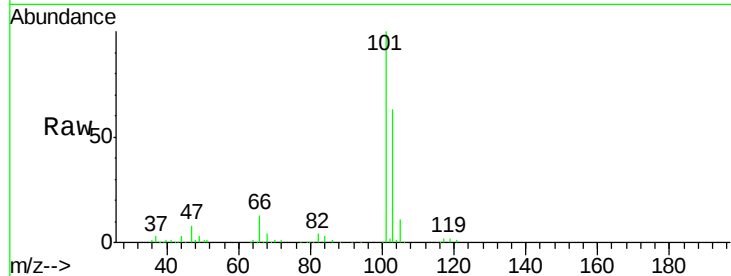
Trichlorofluoromethane
Concen: 17.269 ug/l
RT: 1.92 min Scan# 126
Delta R.T. 0.00 min
Lab File: VX011475.D
Acq: 12 Aug 2019 11:58

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.5	50.9	76.3

Manual Integrations
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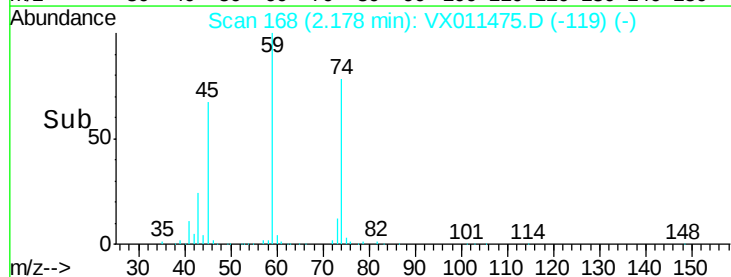
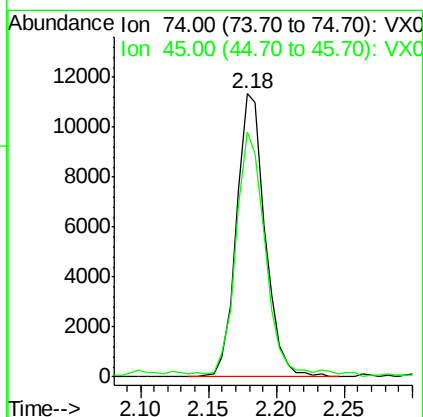
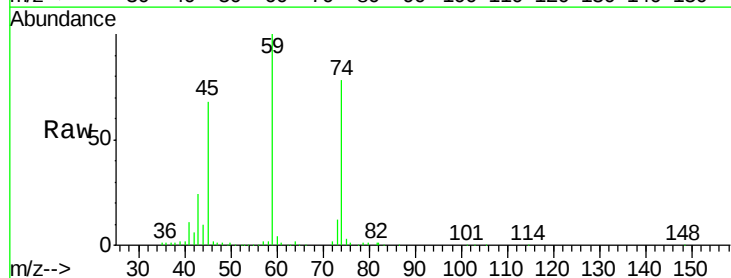
MMDadoda
8/14/2019 9:13:50 AM

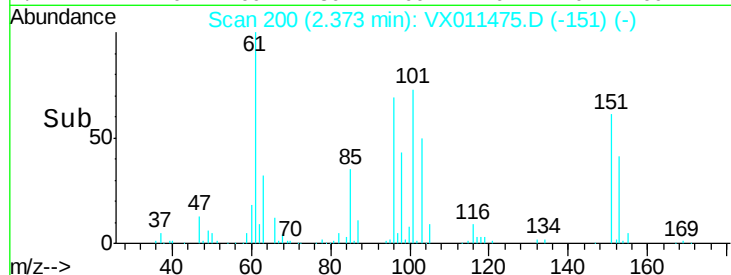
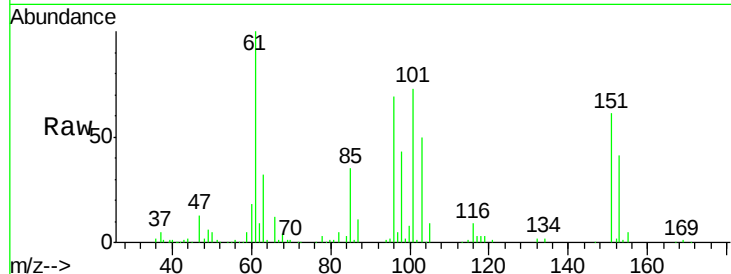
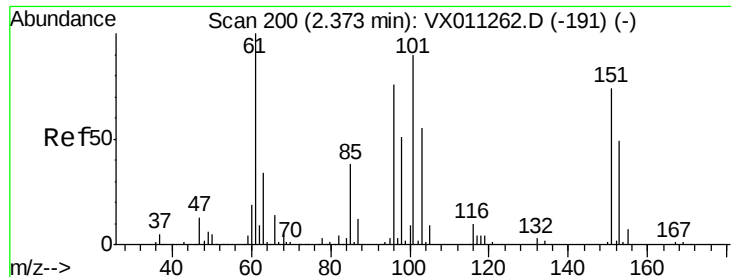


#8

Diethyl Ether
Concen: 17.453 ug/l
RT: 2.18 min Scan# 168
Delta R.T. 0.00 min
Lab File: VX011475.D
Acq: 12 Aug 2019 11:58

Tgt Ion	Ratio	Lower	Upper
74	100		
45	90.8	46.1	138.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.208 ug/l

RT: 2.37 min Scan# 200

Delta R.T. 0.00 min

Lab File: VX011475.D

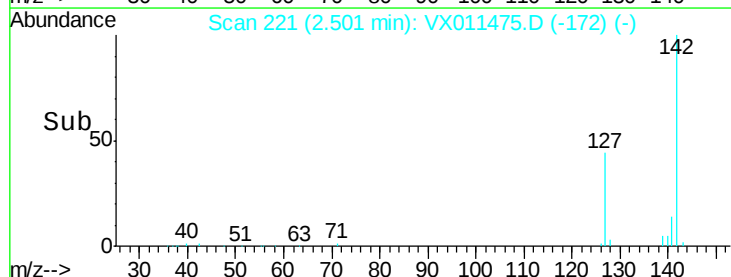
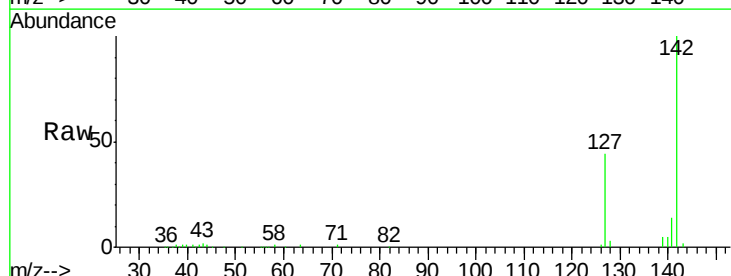
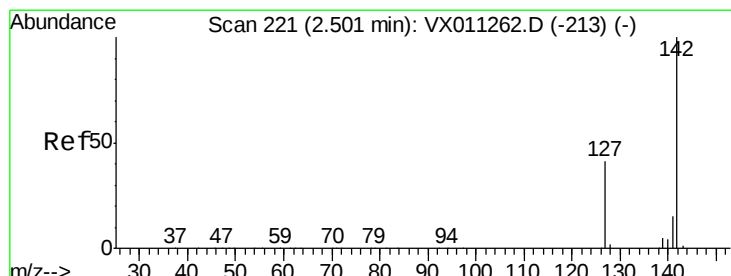
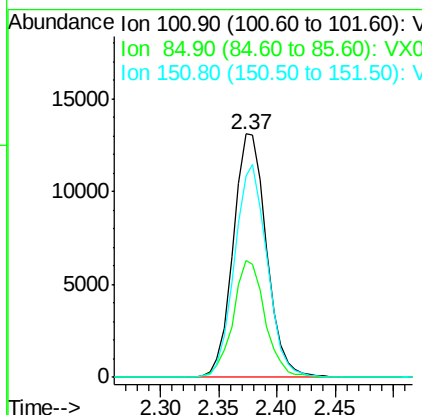
Acq: 12 Aug 2019 11:58

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	26213		
85	45.7	33.8	50.6	
151	85.6	69.5	104.3	

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#10

Methyl Iodide

Concen: 15.522 ug/l

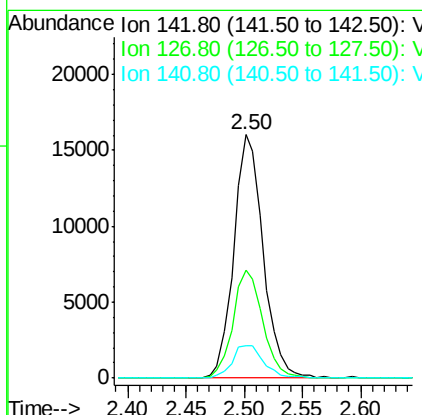
RT: 2.50 min Scan# 221

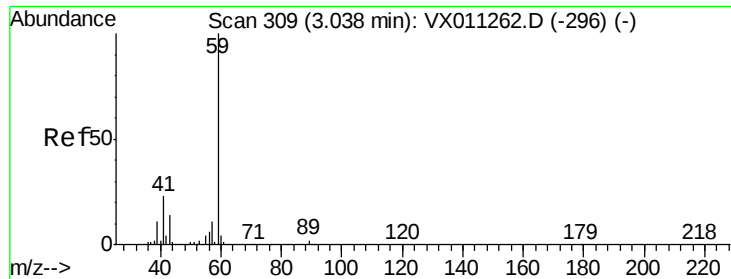
Delta R.T. 0.00 min

Lab File: VX011475.D

Acq: 12 Aug 2019 11:58

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	28173		
127	45.1	33.8	50.8	
141	14.3	11.4	17.2	





#11

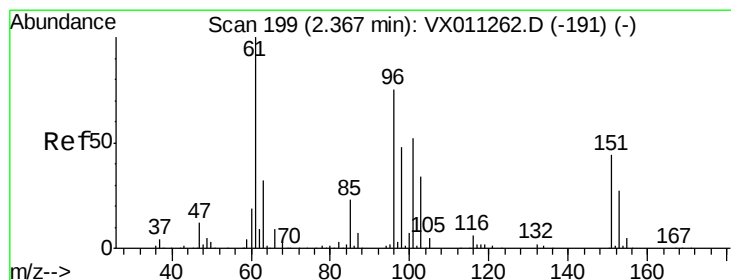
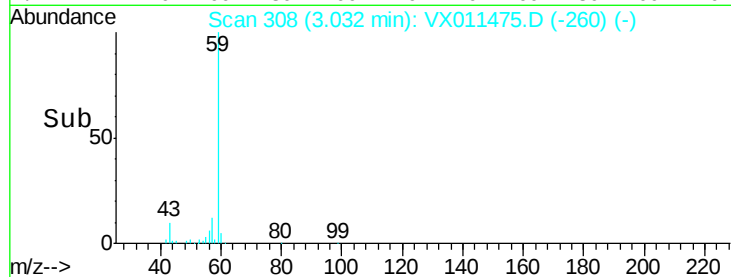
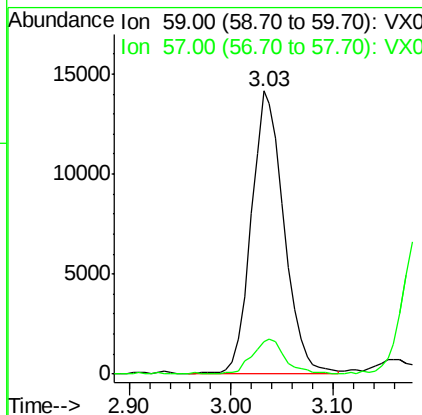
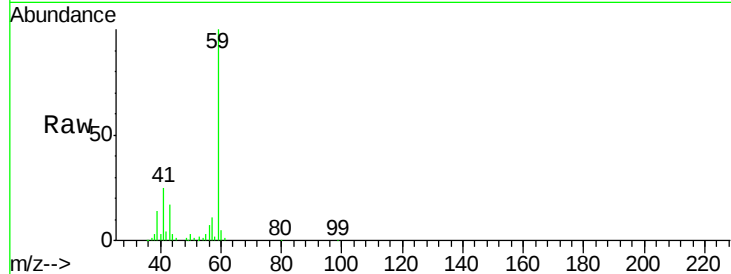
Tert butyl alcohol
 Concen: 100.317 ug/l
 RT: 3.03 min Scan# 308
 Delta R.T. -0.01 min
 Lab File: VX011475.D
 Acq: 12 Aug 2019 11:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0812WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	31593		
57	57	12.4		8.3	12.5

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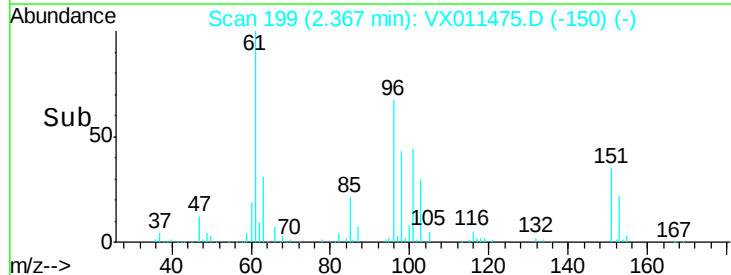
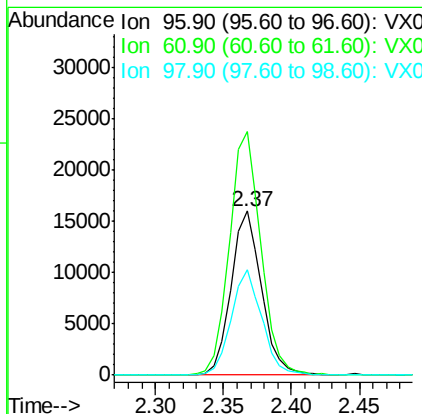
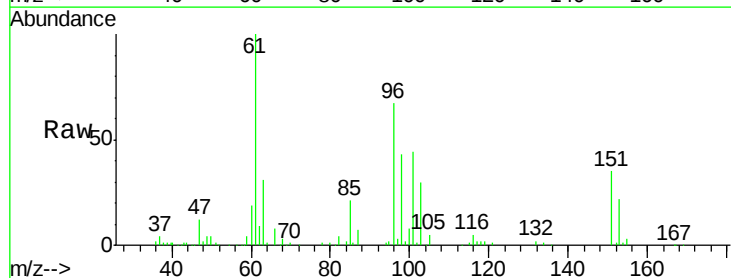
MMDadoda
 8/14/2019 9:13:50 AM

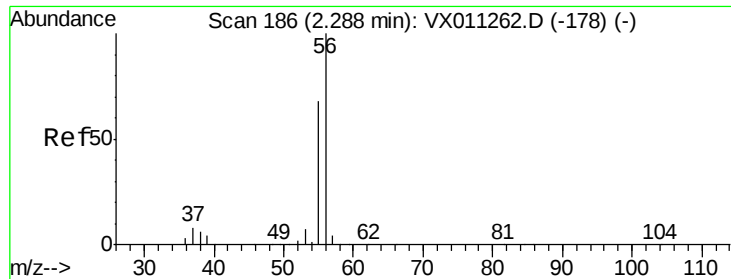


#12

1,1-Dichloroethene
 Concen: 17.566 ug/l
 RT: 2.37 min Scan# 199
 Delta R.T. 0.00 min
 Lab File: VX011475.D
 Acq: 12 Aug 2019 11:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100	25068		
61	61	148.7		106.2	159.2
98	98	64.1		50.6	75.8





#13

Acrolein

Concen: 84.673 ug/l

RT: 2.29 min Scan# 186

Delta R.T. 0.00 min

Lab File: VX011475.D

Acq: 12 Aug 2019 11:58

Instrument :

MSVOA_X

ClientSampleId :

VX0812WBS01

Tot Ion: 56 Resp: 16629

Ion Ratio Lower Upper

56 100

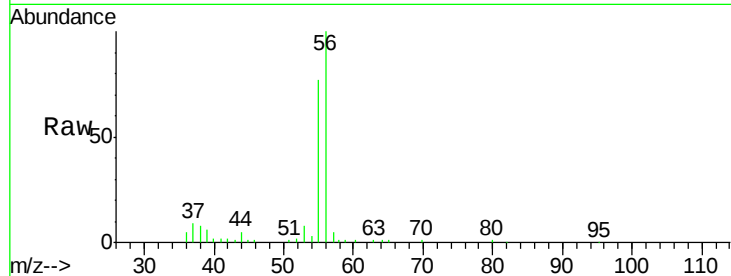
55 76.5 56.0 84.0

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

12000

10000

8000

6000

4000

2000

0

2.20

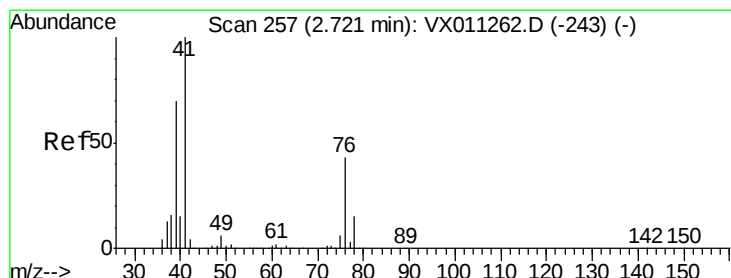
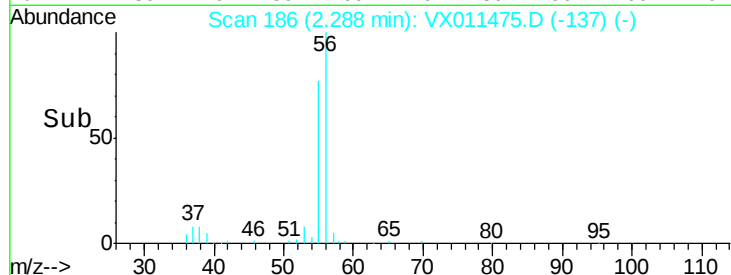
2.25

2.30

2.35

2.40

Time-->



#14

Allyl chloride

Concen: 19.806 ug/l

RT: 2.72 min Scan# 257

Delta R.T. 0.00 min

Lab File: VX011475.D

Acq: 12 Aug 2019 11:58

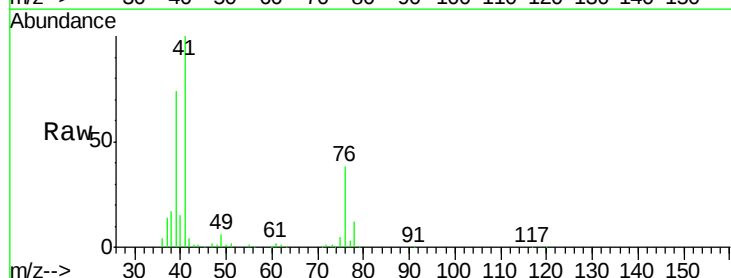
Tgt Ion: 41 Resp: 37680

Ion Ratio Lower Upper

41 100

39 69.3 52.8 79.2

76 35.8 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

25000

20000

15000

10000

5000

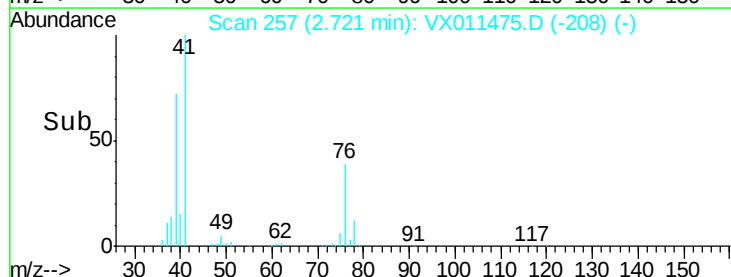
0

2.60

2.70

2.80

Time-->





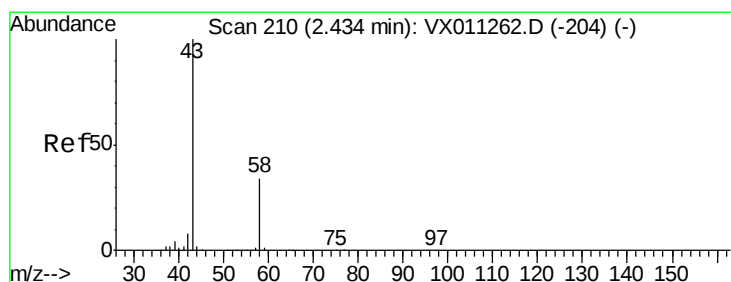
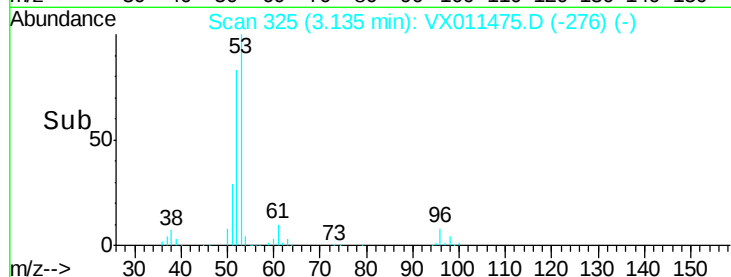
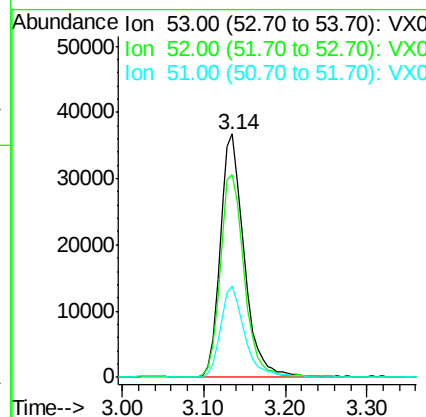
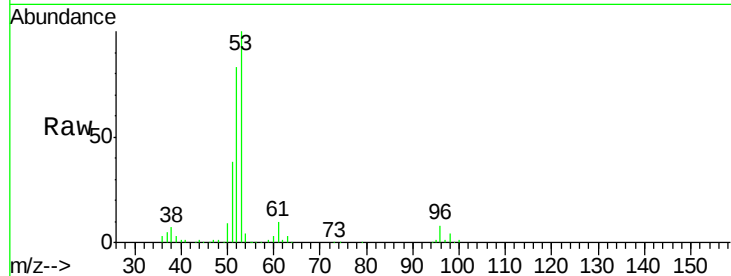
#15
 Acrylonitrile
 Concen: 99.917 ug/l
 RT: 3.14 min Scan# 325
 Delta R.T. 0.00 min
 Lab File: VX011475.D
 Acq: 12 Aug 2019 11:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0812WBS01

Tot Ion:	53	Resp:	75101
Ion Ratio	Lower	Upper	
53	100		
52	84.0	65.5	98.3
51	38.5	27.9	41.9

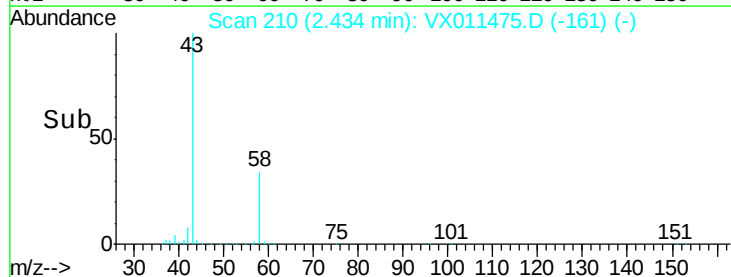
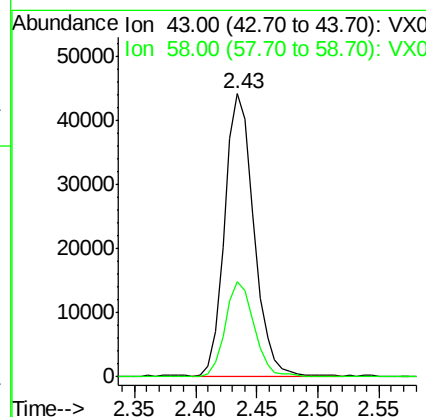
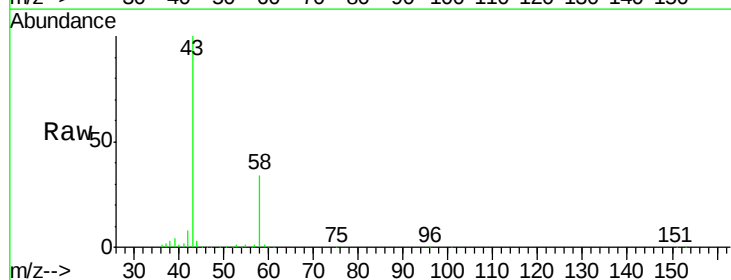
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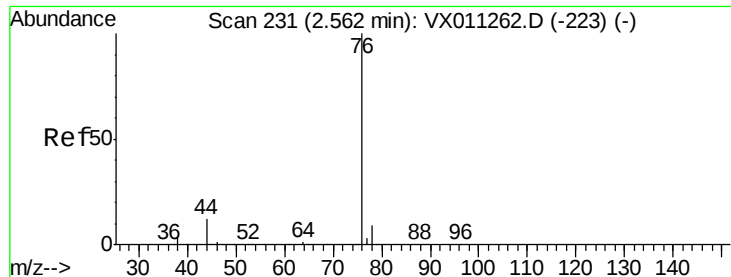
MMDadoda
 8/14/2019 9:13:50 AM



#16
 Acetone
 Concen: 96.860 ug/l
 RT: 2.43 min Scan# 210
 Delta R.T. 0.00 min
 Lab File: VX011475.D
 Acq: 12 Aug 2019 11:58

Tgt Ion:	43	Resp:	72823
Ion Ratio	Lower	Upper	
43	100		
58	33.8	27.4	41.0





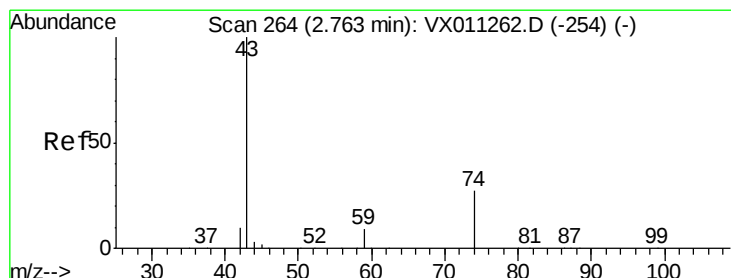
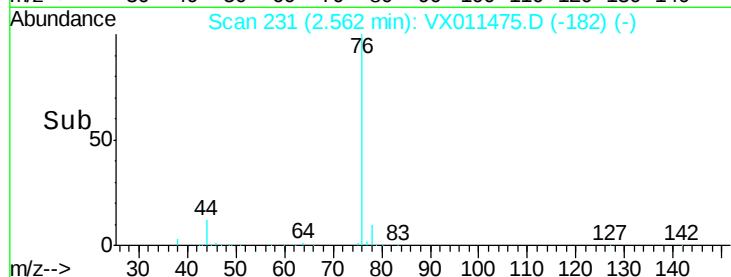
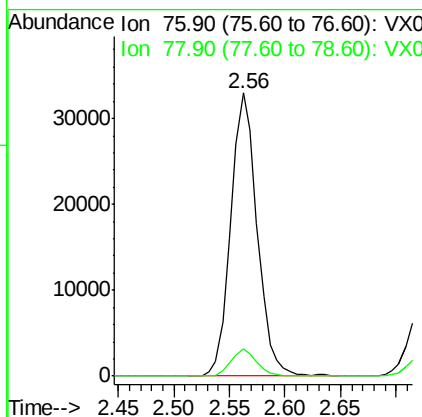
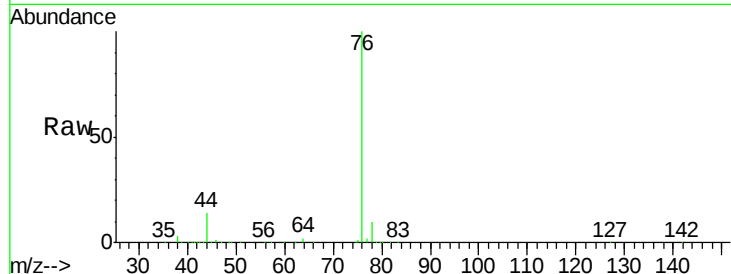
#17
Carbon Disulfide
Concen: 16.228 ug/l
RT: 2.56 min Scan# 231
Delta R.T. 0.00 min
Lab File: VX011475.D
Acq: 12 Aug 2019 11:58

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.8	7.4	11.0

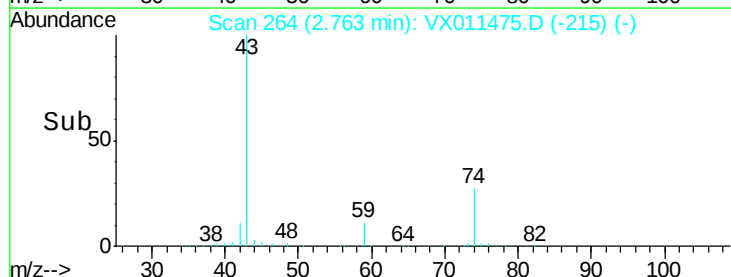
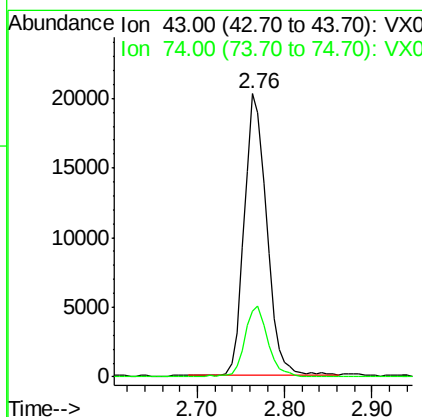
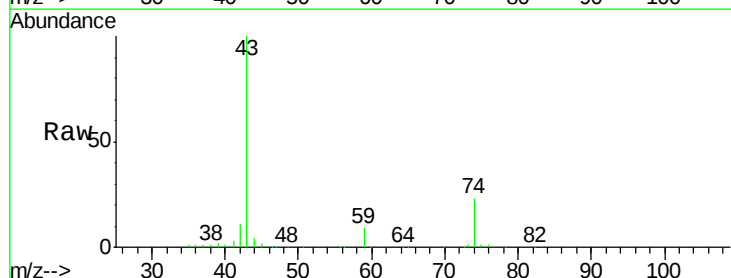
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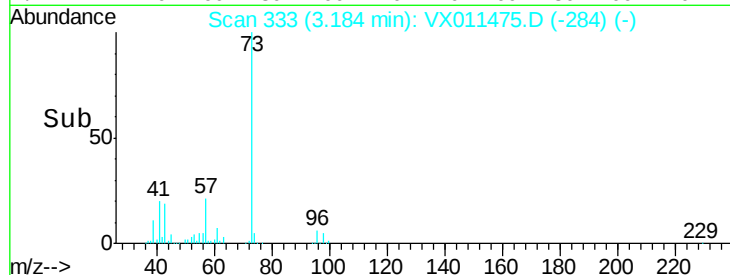
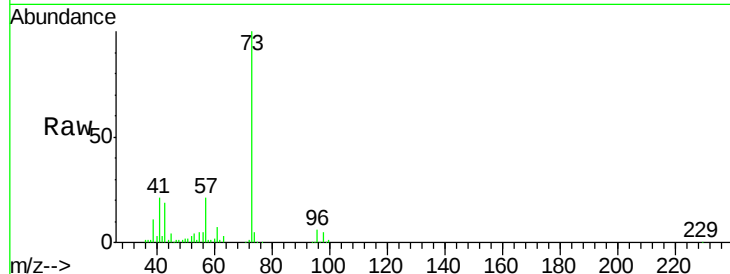
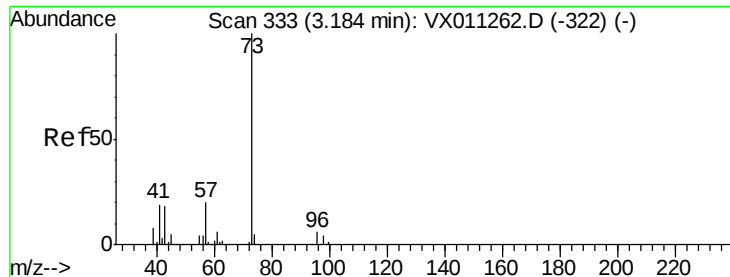
MMDadoda
8/14/2019 9:13:50 AM



#18
Methyl Acetate
Concen: 21.021 ug/l
RT: 2.76 min Scan# 264
Delta R.T. 0.00 min
Lab File: VX011475.D
Acq: 12 Aug 2019 11:58

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.6	21.0	31.6





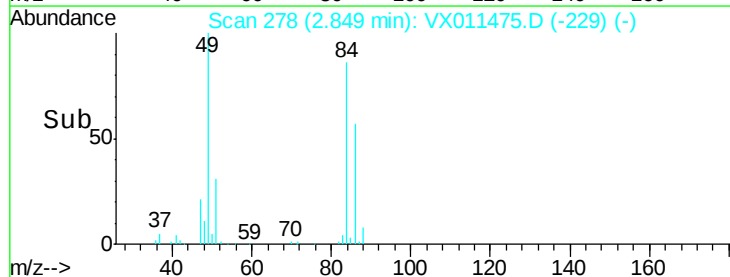
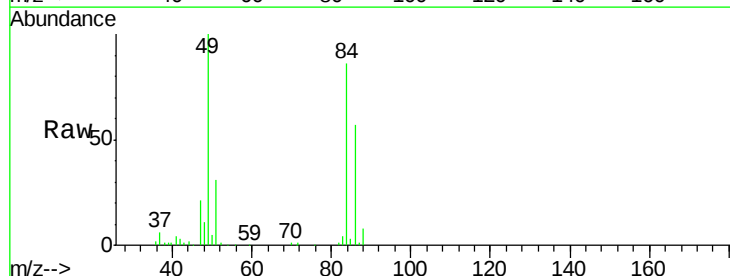
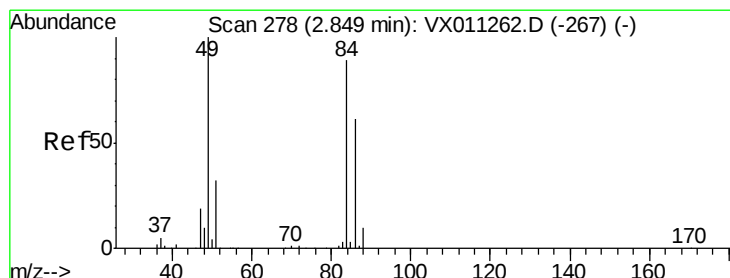
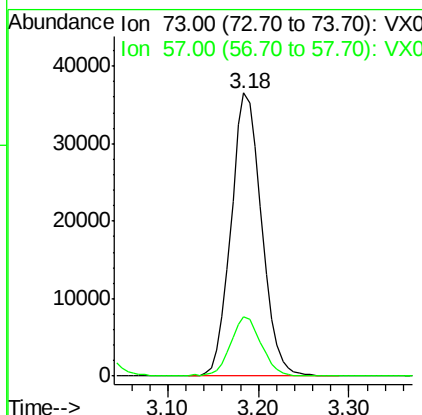
#19
Methvl tert-butvl Ether
Concen: 20.304 ug/l
RT: 3.18 min Scan# 333
Delta R.T. 0.00 min
Lab File: VX011475.D
Acq: 12 Aug 2019 11:58

Tot Ion	73	57	Ratio	100	20.9	Resp:	85390	Lower	16.2	Upper	24.2
Ion	73	57	Ratio	100	20.9	Resp:	85390	Lower	16.2	Upper	24.2

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

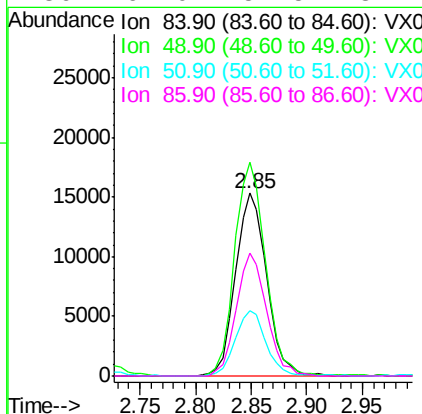
Manual Integrations
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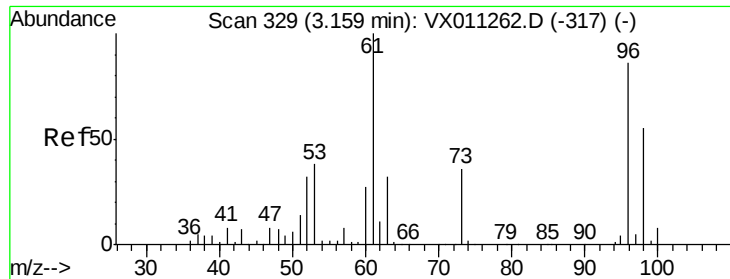
MMDadoda
8/14/2019 9:13:50 AM



#20
Methylene Chloride
Concen: 18.052 ug/l
RT: 2.85 min Scan# 278
Delta R.T. 0.00 min
Lab File: VX011475.D
Acq: 12 Aug 2019 11:58

Tgt Ion	84	49	51	86	Ratio	100	116.4	35.7	67.0	Resp:	29723	Lower	89.3	28.3	54.5	Upper	133.9	42.5	81.7
Ion	84	49	51	86	Ratio	100	116.4	35.7	67.0	Resp:	29723	Lower	89.3	28.3	54.5	Upper	133.9	42.5	81.7





#21

trans-1,2-Dichloroethene

Concen: 18.168 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX011475.D

Acq: 12 Aug 2019 11:58

Instrument :

MSVOA_X

ClientSampleId :

VX0812WBS01

Tot Ion: 96 Resp: 27426

Ion Ratio Lower Upper

96 100

61 129.3 92.8 139.2

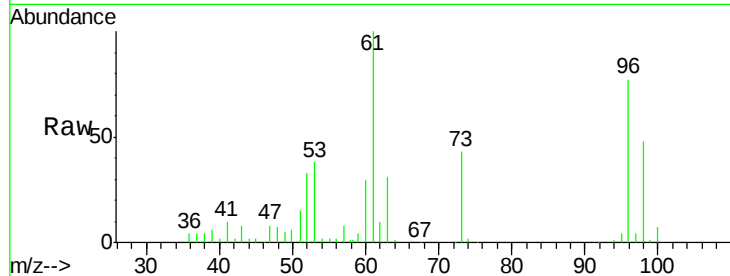
98 62.4 51.2 76.8

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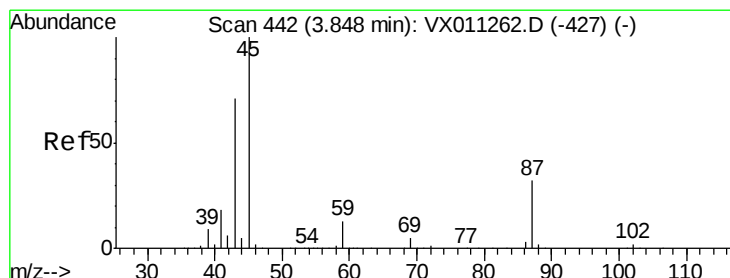
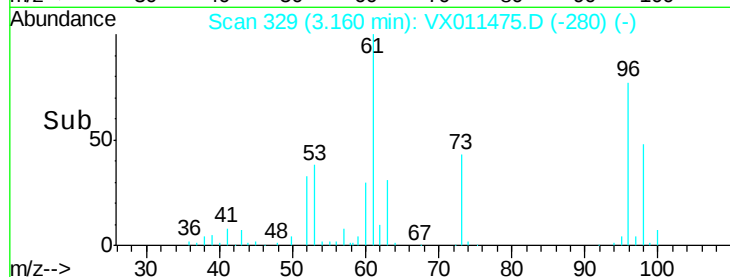
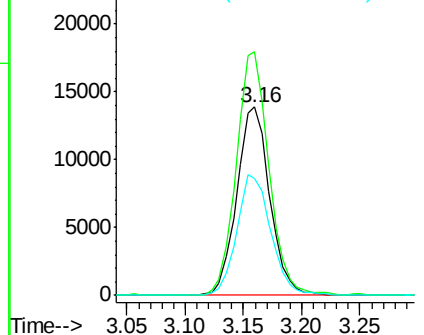
8/14/2019 9:13:50 AM



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: 19.601 ug/l

RT: 3.85 min Scan# 442

Delta R.T. 0.00 min

Lab File: VX011475.D

Acq: 12 Aug 2019 11:58

Tgt Ion: 45 Resp: 81958

Ion Ratio Lower Upper

45 100

43 73.2 56.8 85.2

87 33.6 25.8 38.6

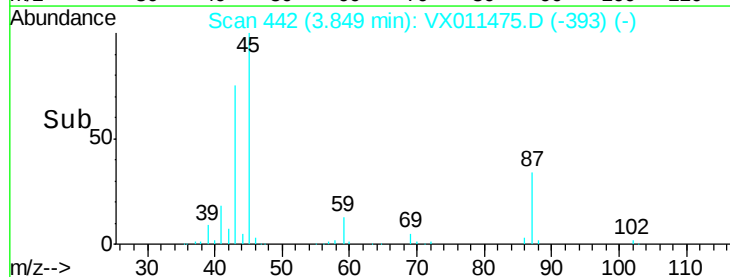
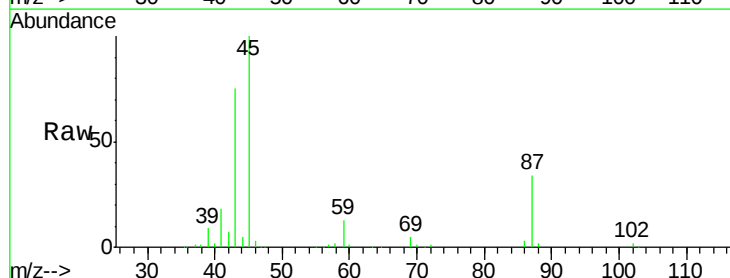
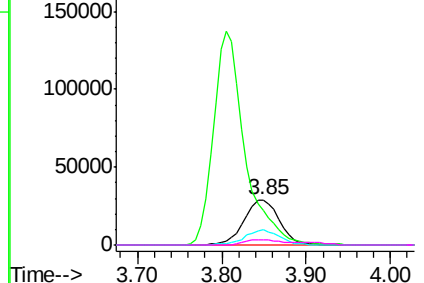
59 12.5 10.3 15.5

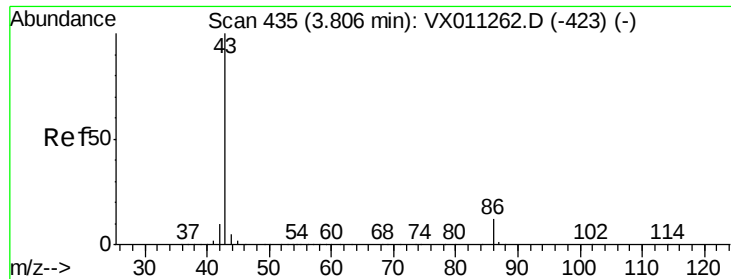
Abundance Ion 45.00 (44.70 to 45.70): VX0

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: 102.189 ug/l

RT: 3.81 min Scan# 435

Delta R.T. 0.00 min

Lab File: VX011475.D

Acq: 12 Aug 2019 11:58

Instrument :

MSVOA_X

ClientSampleId :

VX0812WBS01

Tot Ion: 43 Resp: 354394

Ion Ratio Lower Upper

43 100

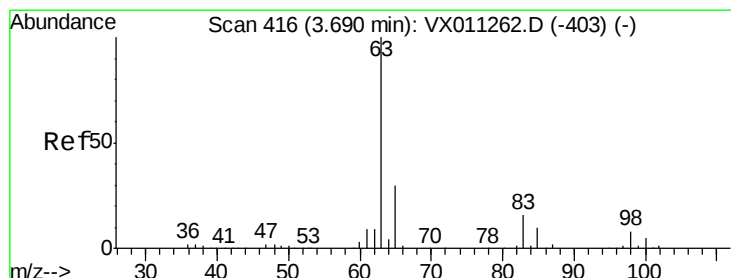
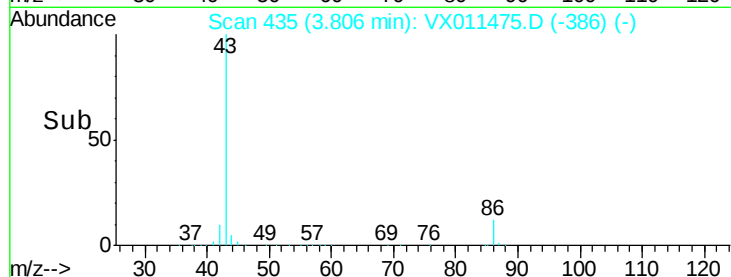
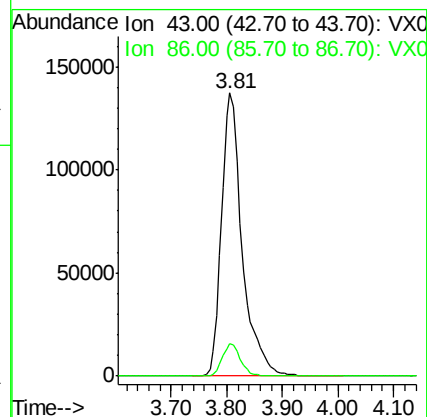
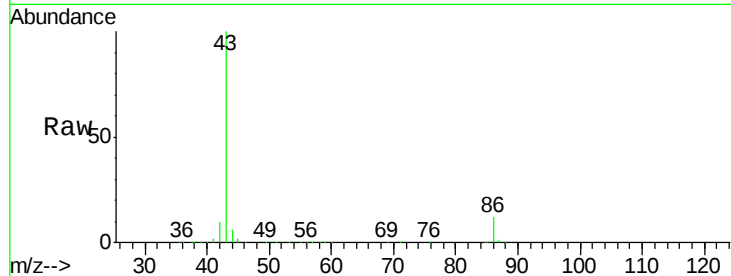
86 11.6 9.6 14.4

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 19.650 ug/l

RT: 3.69 min Scan# 416

Delta R.T. 0.00 min

Lab File: VX011475.D

Acq: 12 Aug 2019 11:58

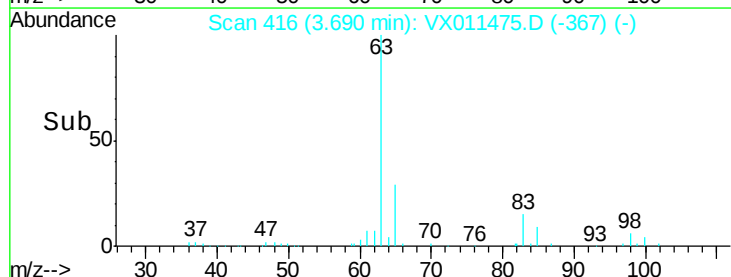
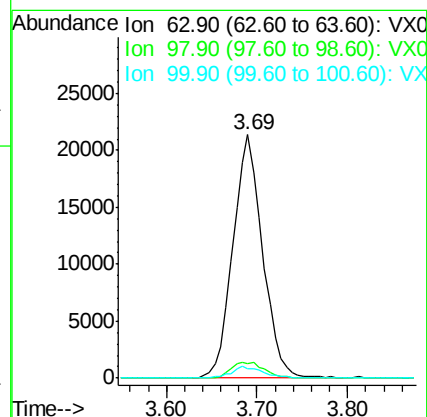
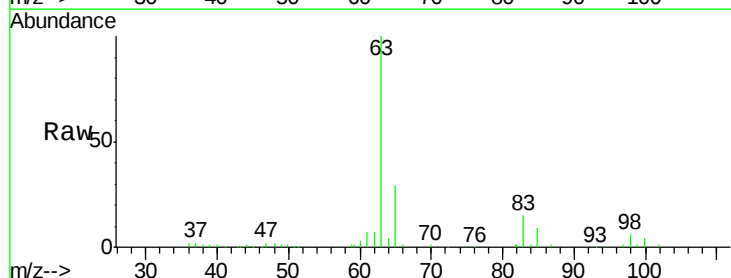
Tgt Ion: 63 Resp: 48448

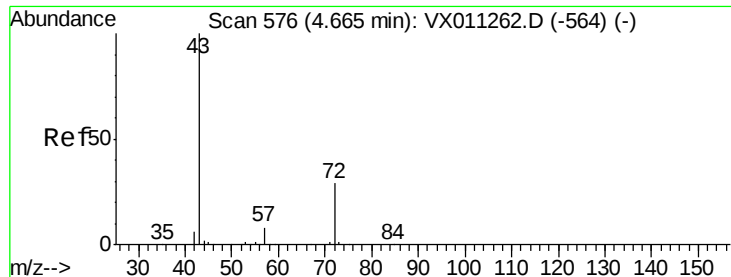
Ion Ratio Lower Upper

63 100

98 6.2 3.9 11.5

100 3.7 2.7 8.1





#25

2-Butanone

Concen: 100.298 ug/l

RT: 4.67 min Scan# 576

Delta R.T. 0.00 min

Lab File: VX011475.D

Acq: 12 Aug 2019 11:58

Instrument :

MSVOA_X

ClientSampleId :

VX0812WBS01

Tot Ion: 43 Resp: 107268

Ion Ratio Lower Upper

43 100

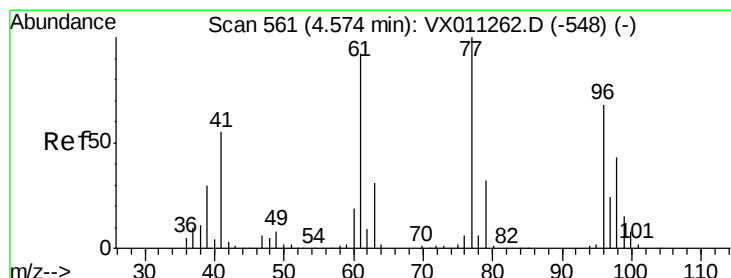
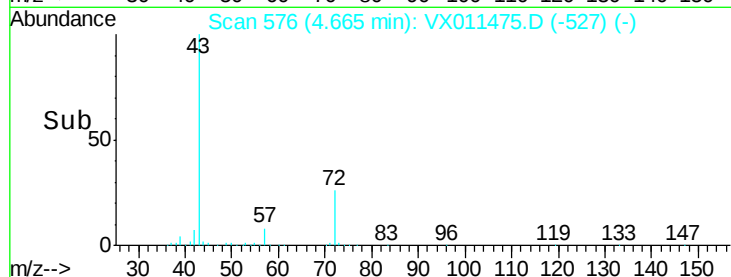
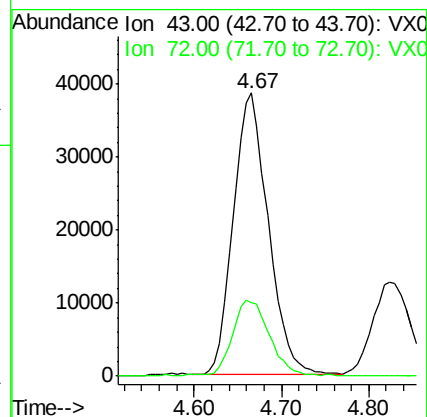
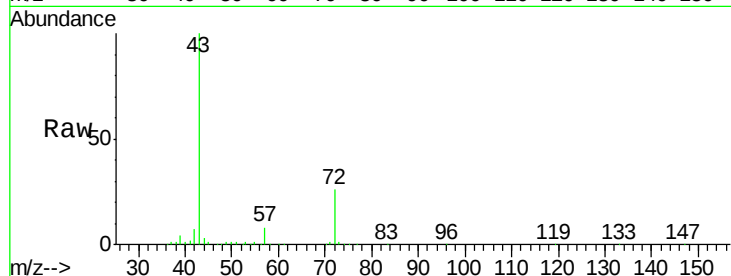
72 26.0 23.2 34.8

Manual Integrations

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MMDadoda

8/14/2019 9:13:50 AM



#26

2,2-Dichloropropane

Concen: 19.985 ug/l

RT: 4.57 min Scan# 560

Delta R.T. -0.01 min

Lab File: VX011475.D

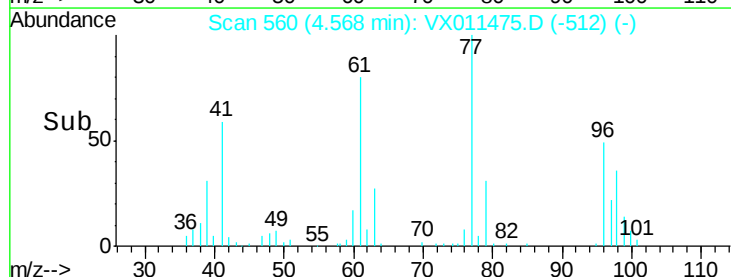
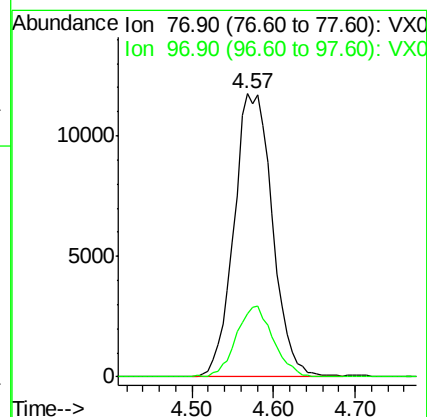
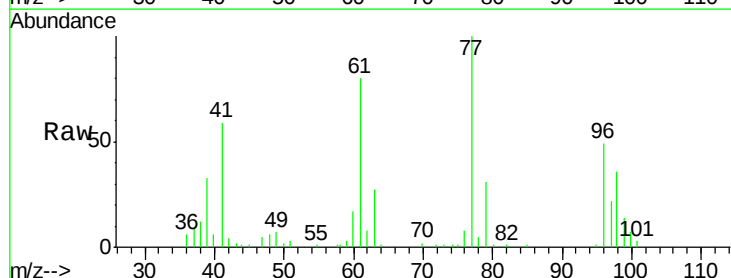
Acq: 12 Aug 2019 11:58

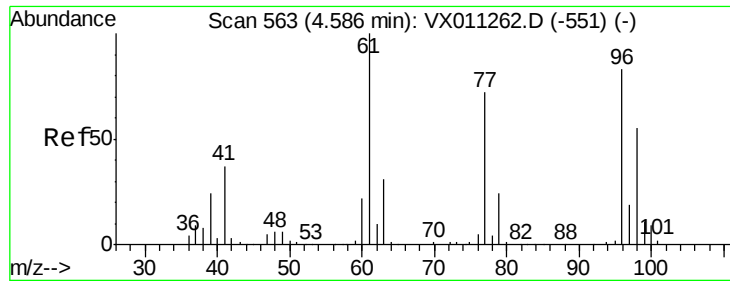
Tgt Ion: 77 Resp: 38304

Ion Ratio Lower Upper

77 100

97 24.0 12.8 38.4





#27

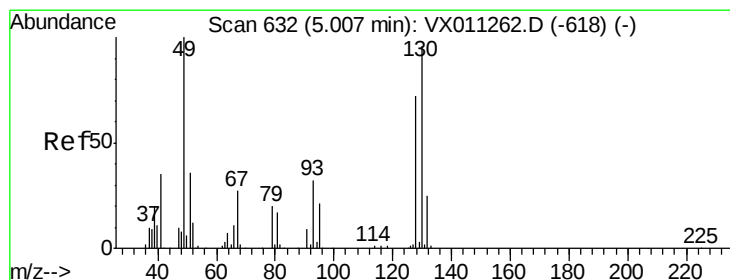
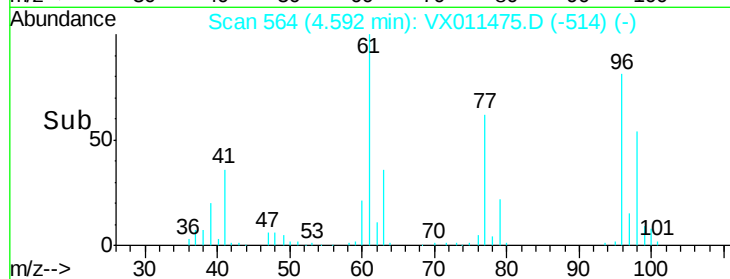
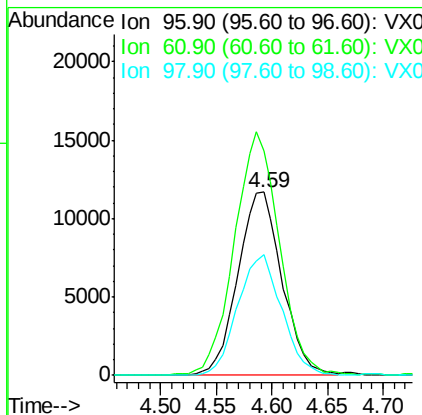
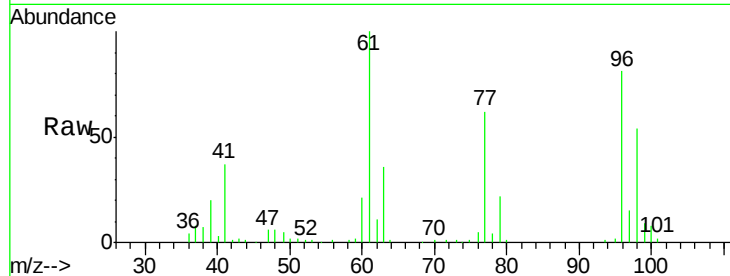
cis-1,2-Dichloroethene
Concen: 18.512 ug/l
RT: 4.59 min Scan# 564
Delta R.T. 0.01 min
Lab File: VX011475.D
Acq: 12 Aug 2019 11:58

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	32189		
61	135.8		0.0	260.2
98	66.0		0.0	133.2

Manual Integrations
APPROVED

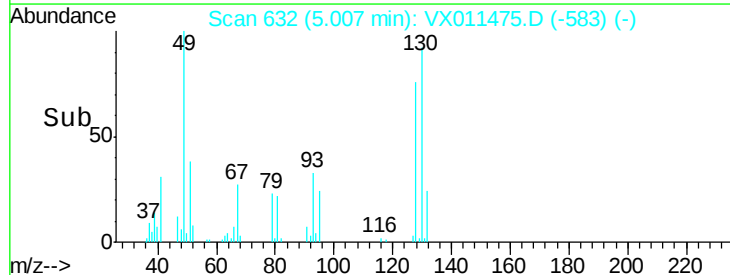
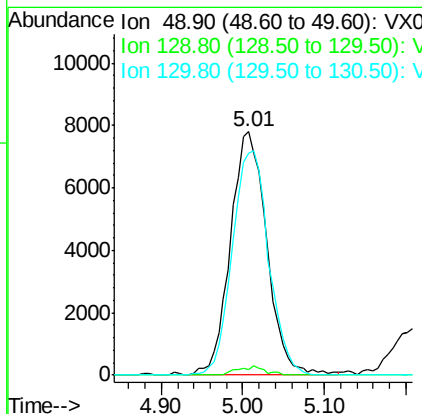
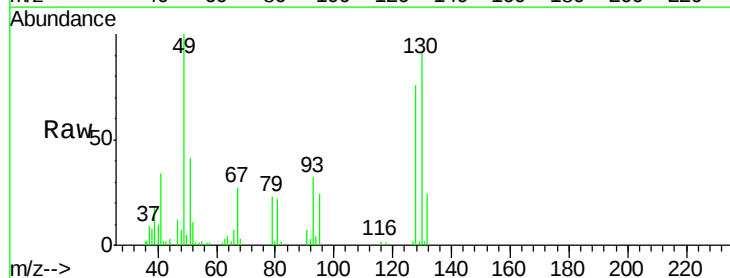
MMDadoda
8/14/2019 9:13:50 AM

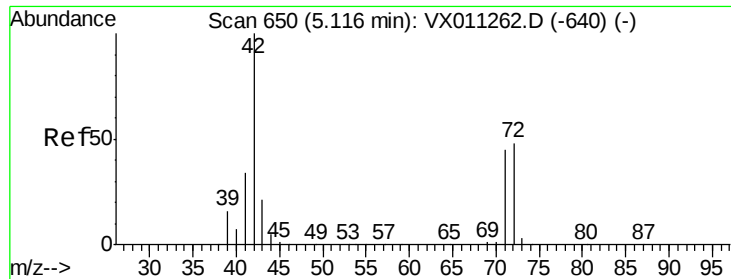


#28

Bromochloromethane
Concen: 21.420 ug/l
RT: 5.01 min Scan# 632
Delta R.T. 0.00 min
Lab File: VX011475.D
Acq: 12 Aug 2019 11:58

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	24076		
129	2.7		0.0	5.8
130	92.2		77.9	116.9





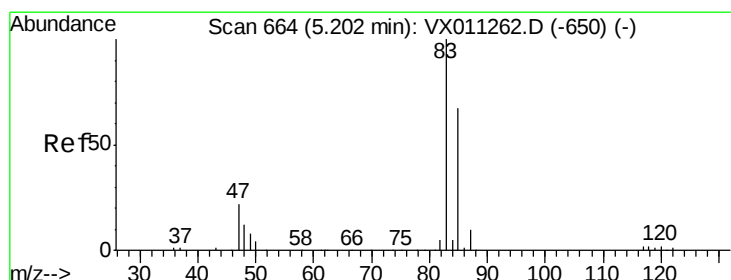
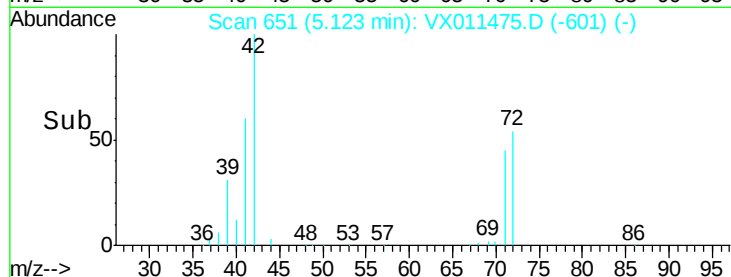
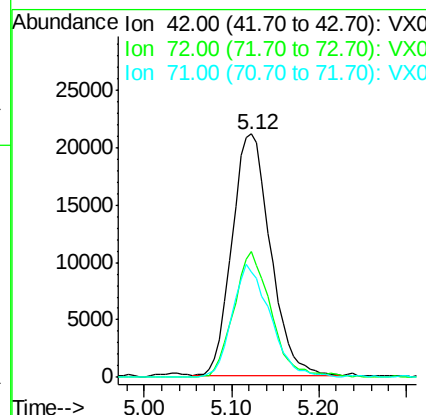
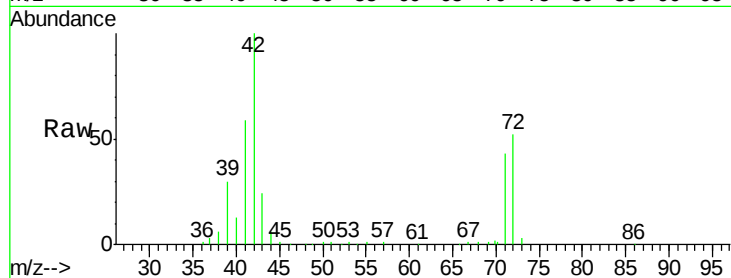
#29
Tetrahydrofuran
Concen: 98.526 ug/l
RT: 5.12 min Scan# 651
Delta R.T. 0.01 min
Lab File: VX011475.D
Acq: 12 Aug 2019 11:58

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	50.8	39.9	59.9
71	46.1	36.9	55.3

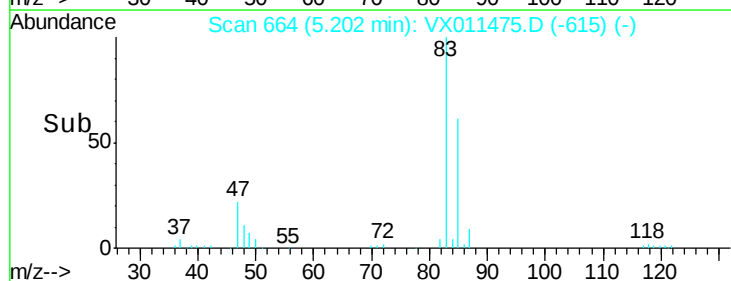
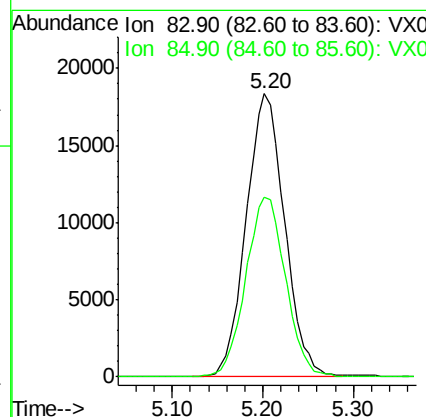
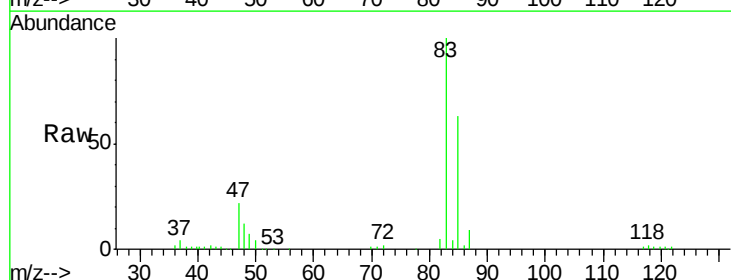
Manual Integrations
APPROVED

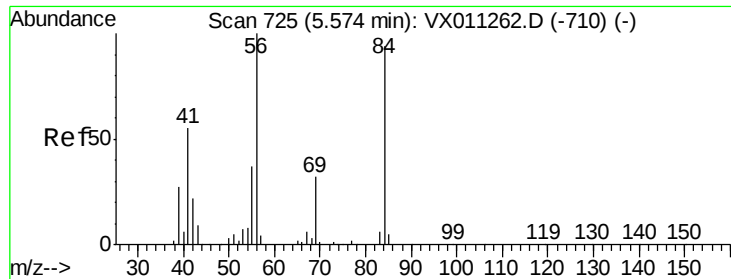
MMDadoda
8/14/2019 9:13:50 AM



#30
Chloroform
Concen: 20.146 ug/l
RT: 5.20 min Scan# 664
Delta R.T. 0.00 min
Lab File: VX011475.D
Acq: 12 Aug 2019 11:58

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	53.4	80.0





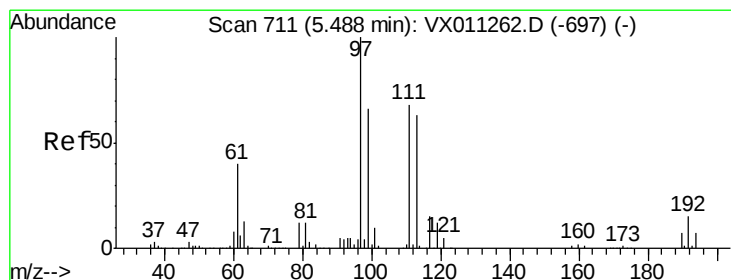
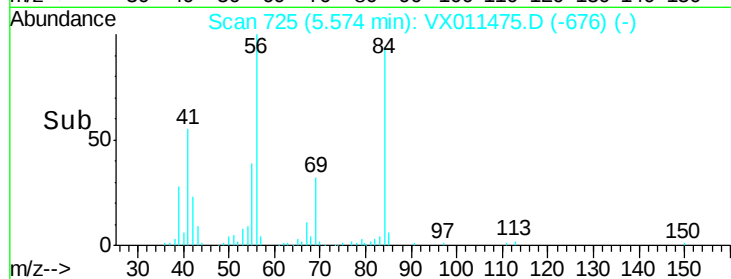
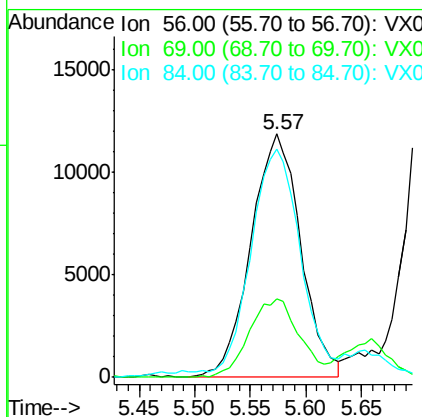
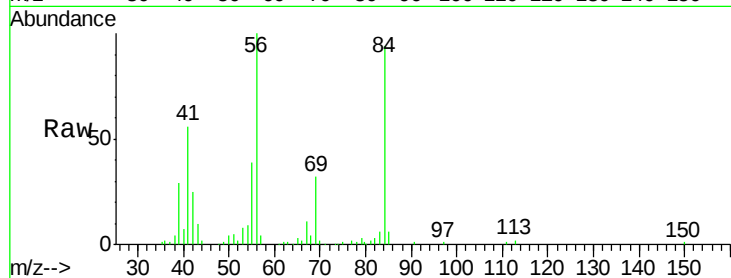
#31
Cyclohexane
Concen: 18.122 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.00 min
Lab File: VX011475.D
Acq: 12 Aug 2019 11:58

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.2	25.5	38.3
84	91.2	75.0	112.4

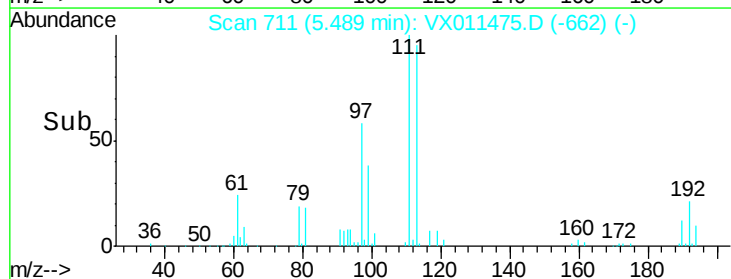
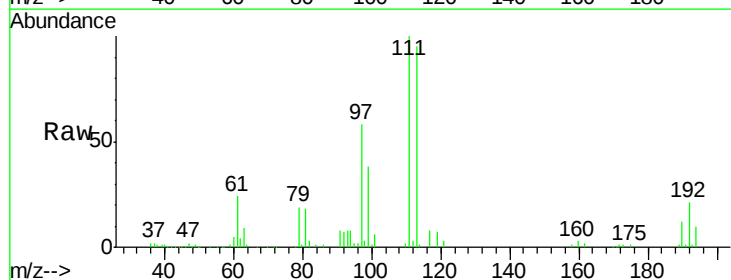
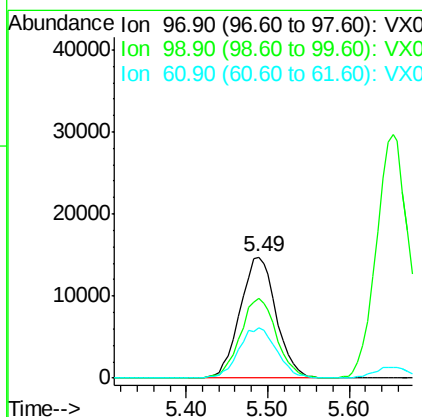
Manual Integrations
APPROVED

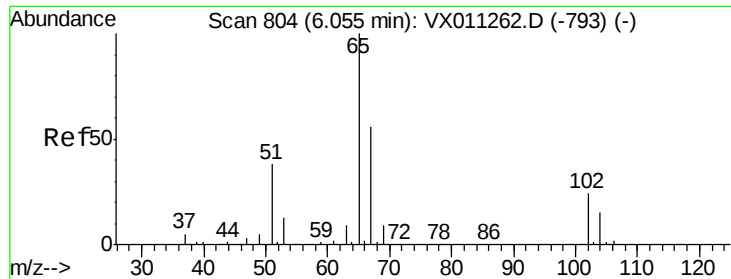
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#32
1,1,1-Trichloroethane
Concen: 19.743 ug/l
RT: 5.49 min Scan# 711
Delta R.T. 0.00 min
Lab File: VX011475.D
Acq: 12 Aug 2019 11:58

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.7	51.6	77.4
61	44.0	32.3	48.5





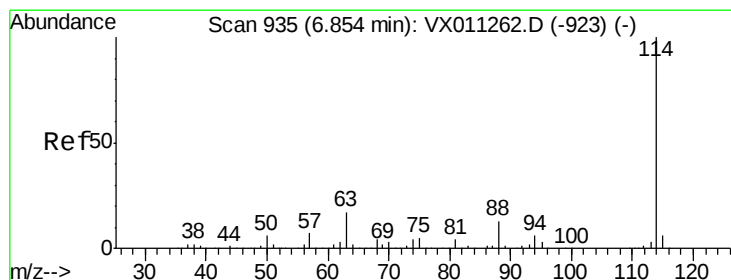
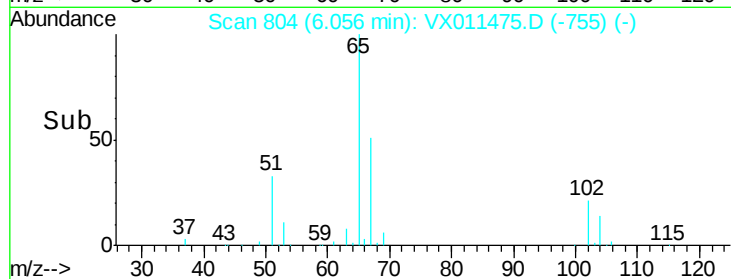
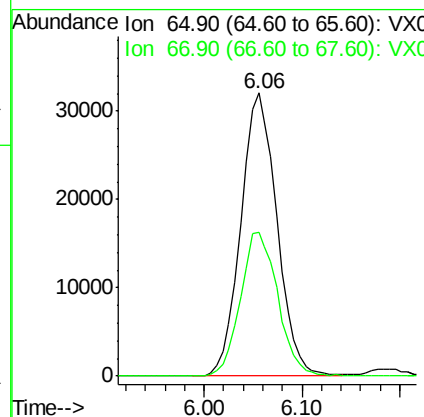
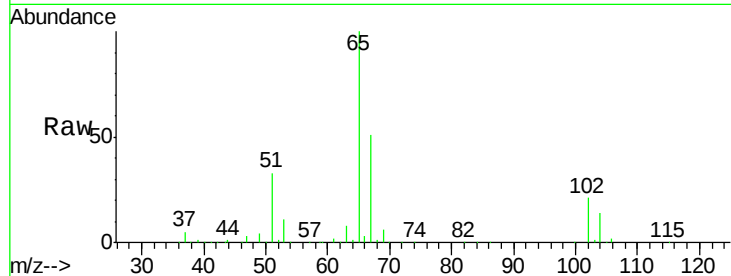
#33
 1,2-Dichloroethane-d4
 Concen: 52.118 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: VX011475.D
 Acq: 12 Aug 2019 11:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0812WBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.6	0.0	110.6

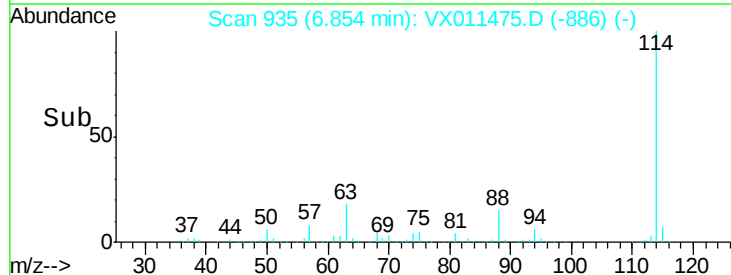
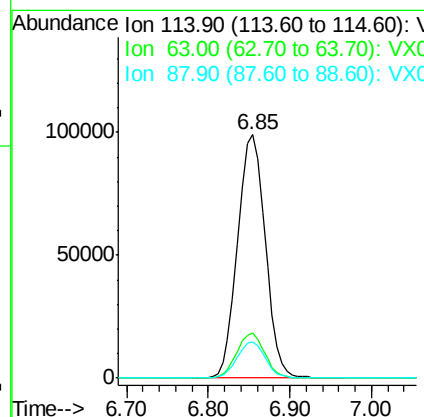
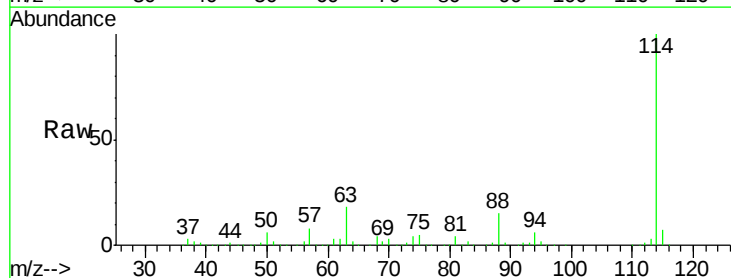
Manual Integrations
 APPROVED

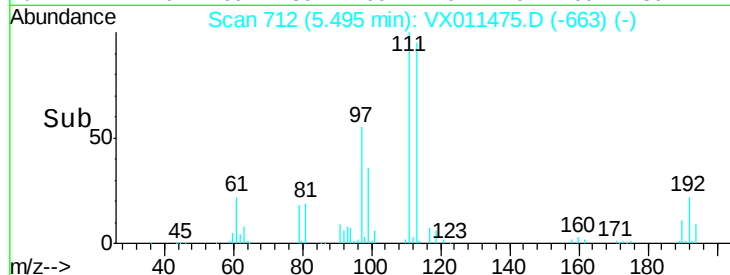
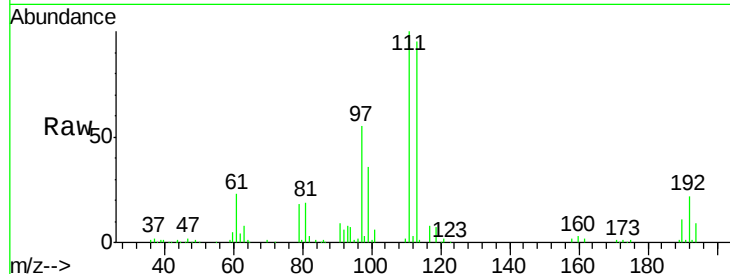
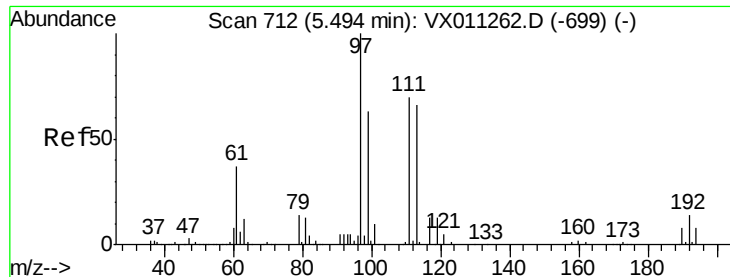
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 8/14/2019 9:13:50 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VX011475.D
 Acq: 12 Aug 2019 11:58

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.5	0.0	34.0
88	14.7	0.0	26.4





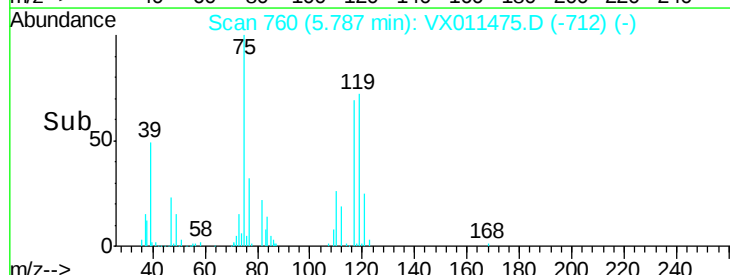
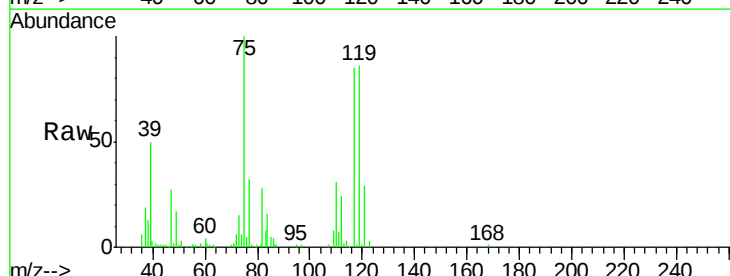
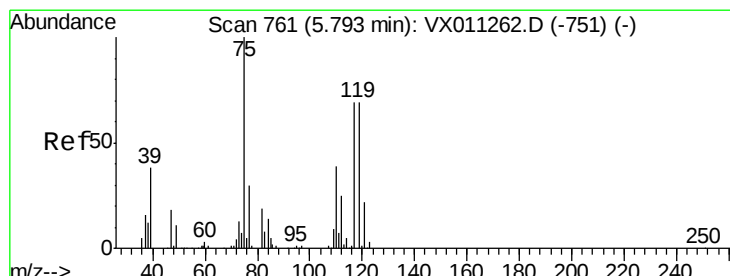
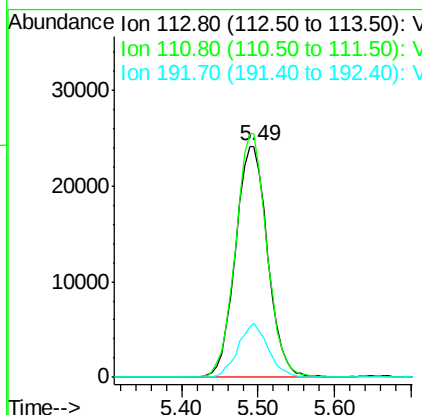
#35
Dibromofluoromethane
Concen: 46.416 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.00 min
Lab File: VX011475.D
Acq: 12 Aug 2019 11:58

Tot Ion	Ratio	Resp	Lower	Upper
113	100	70514		
111	102.2		81.9	122.9
192	21.8		17.8	26.8

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

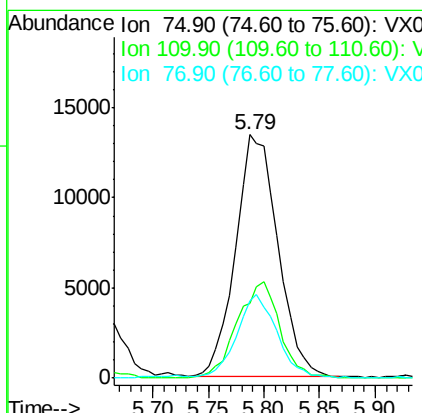
Manual Integrations
APPROVED

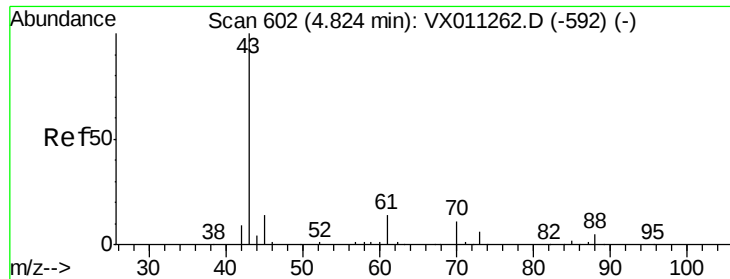
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#36
1,1-Dichloropropene
Concen: 17.454 ug/l
RT: 5.79 min Scan# 760
Delta R.T. -0.01 min
Lab File: VX011475.D
Acq: 12 Aug 2019 11:58

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	35459		
110	40.1		20.0	59.9
77	33.0		24.8	37.2





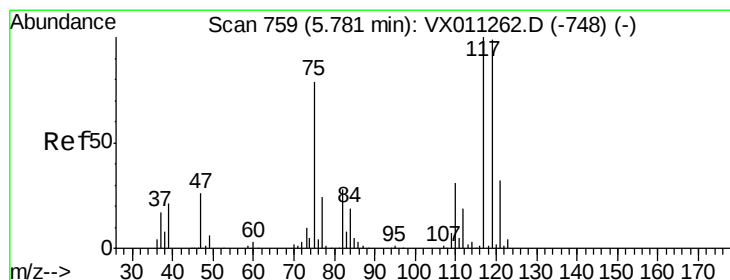
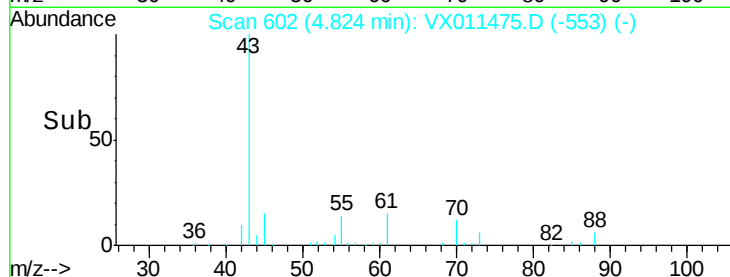
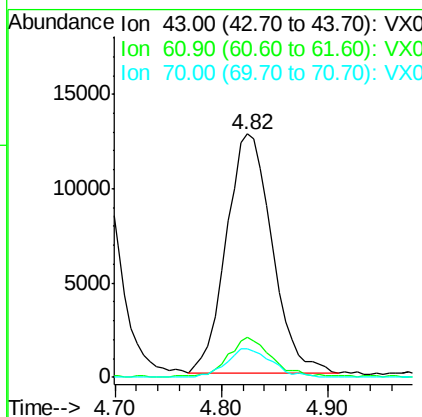
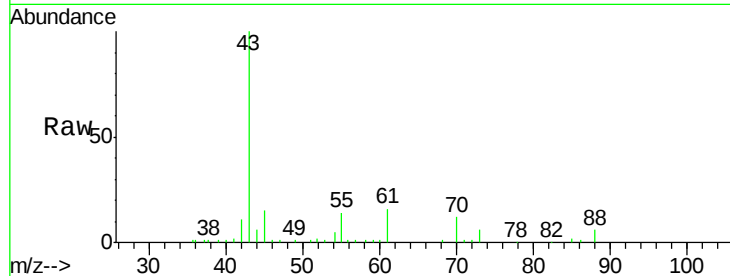
#37
Ethyl Acetate
Concen: 18.771 ug/l
RT: 4.82 min Scan# 602
Delta R.T. 0.00 min
Lab File: VX011475.D
Acq: 12 Aug 2019 11:58

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.2	12.6	18.8
70	11.8	9.1	13.7

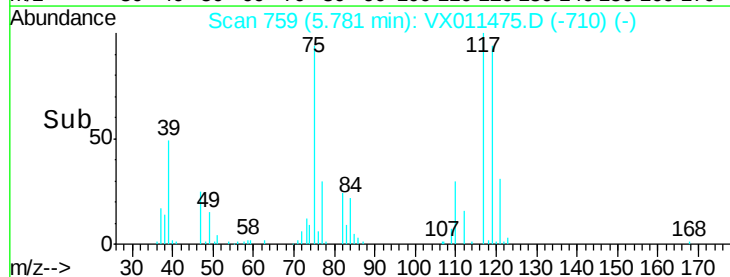
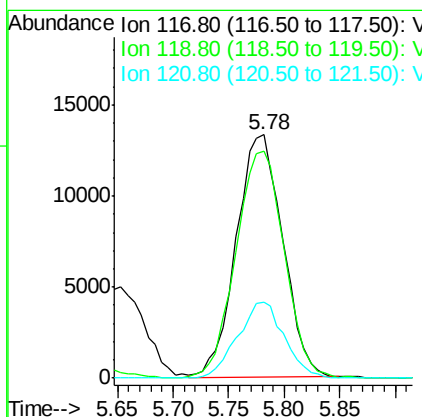
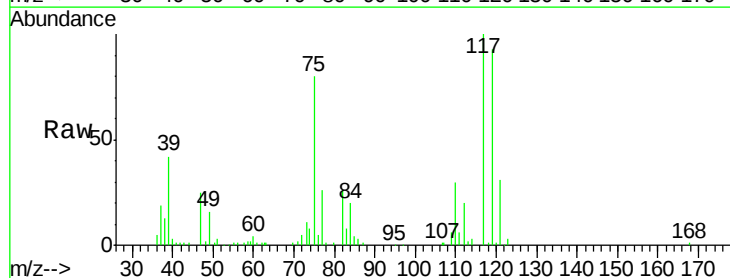
Manual Integrations
APPROVED

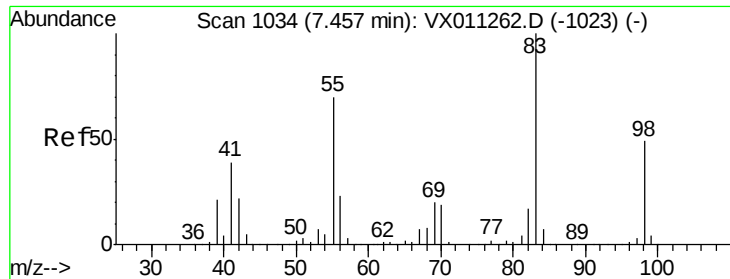
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#38
Carbon Tetrachloride
Concen: 18.976 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX011475.D
Acq: 12 Aug 2019 11:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.5	79.0	118.4
121	31.6	25.9	38.9





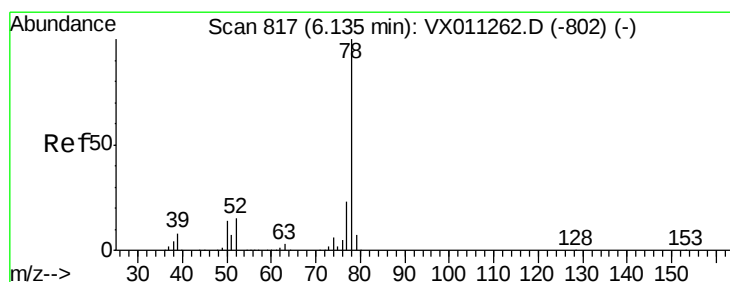
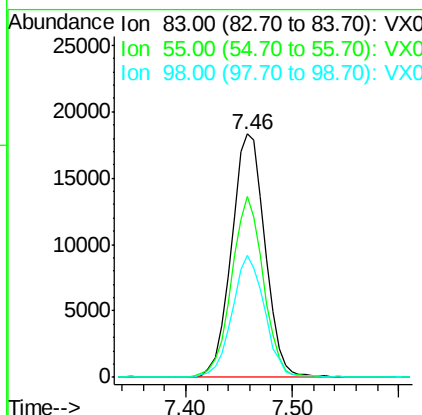
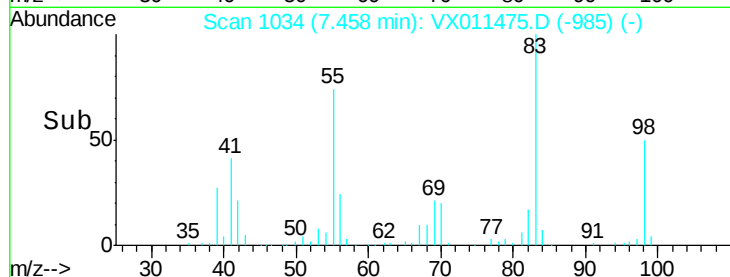
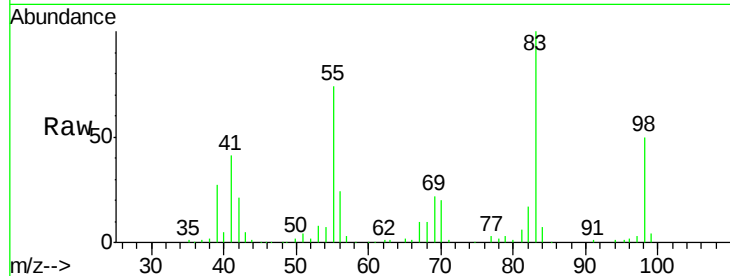
#39
Methvlcvclohexane
Concen: 16.832 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VX011475.D
Acq: 12 Aug 2019 11:58

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	74.2	56.1	84.1	
98	50.1	39.0	58.4	

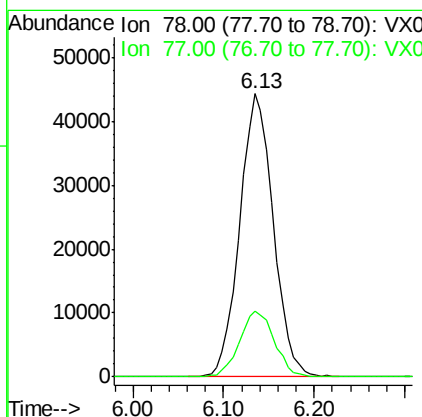
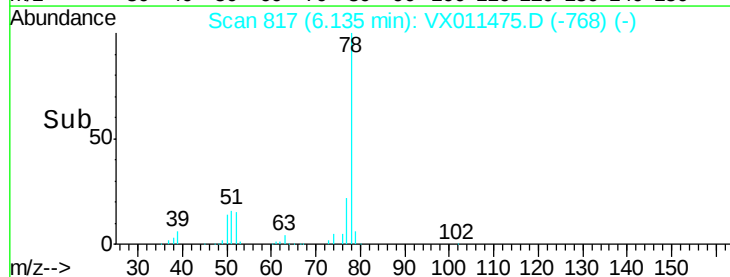
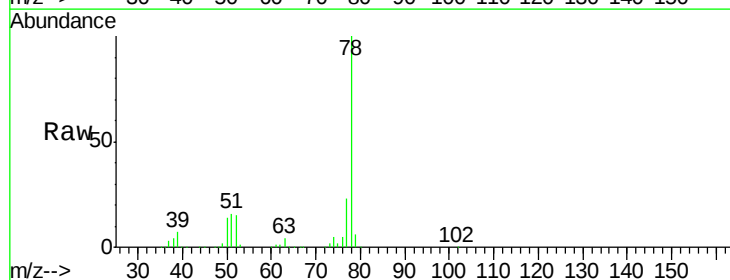
Manual Integrations
APPROVED

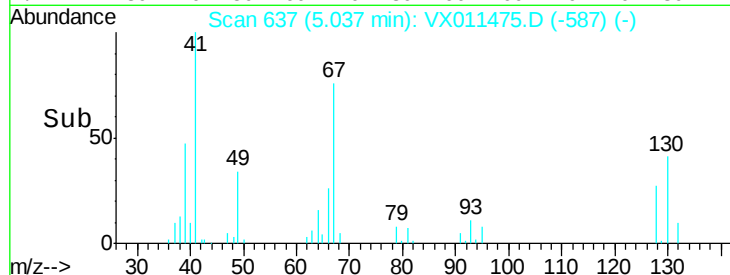
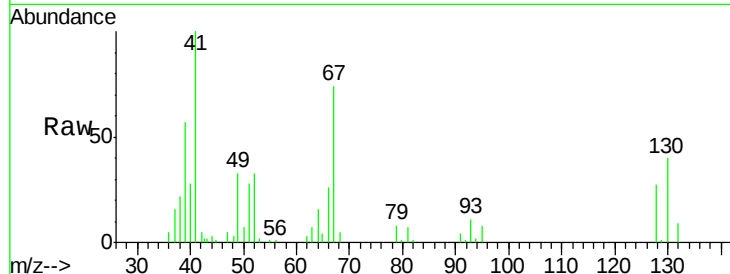
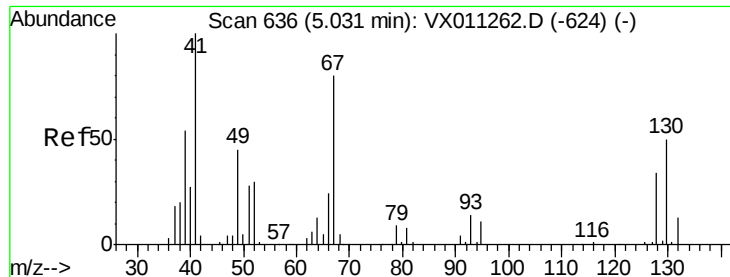
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#40
Benzene
Concen: 18.698 ug/l
RT: 6.13 min Scan# 817
Delta R.T. 0.00 min
Lab File: VX011475.D
Acq: 12 Aug 2019 11:58

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.3	18.2	27.2	





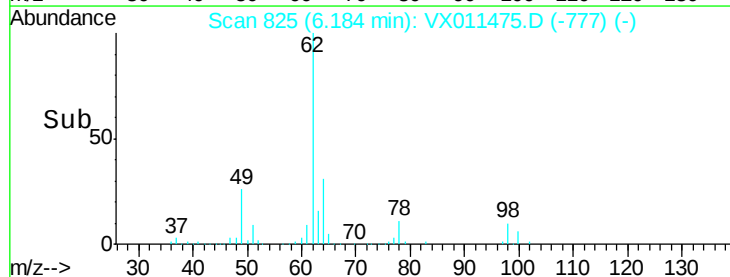
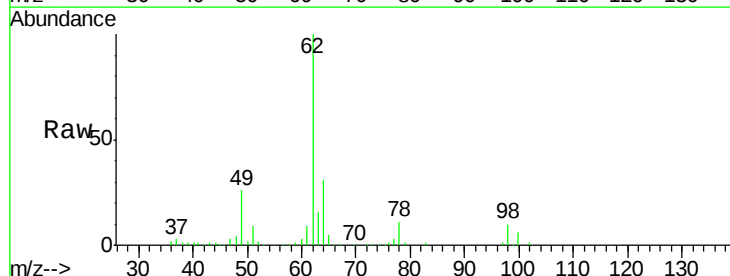
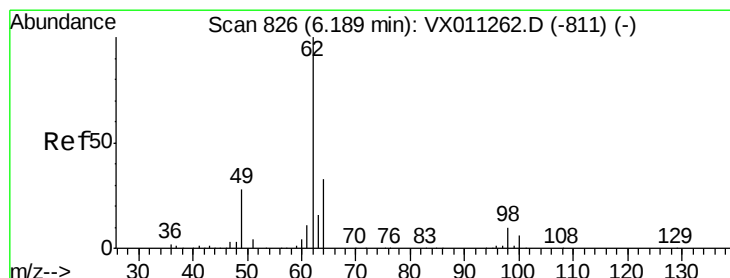
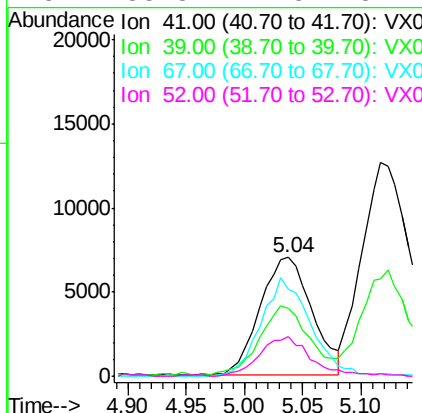
#41
Methacrylonitrile
Concen: 19.293 ug/l
RT: 5.04 min Scan# 637
Delta R.T. 0.01 min
Lab File: VX011475.D
Acq: 12 Aug 2019 11:58

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		21472		
39	57.8	43.0	64.6		
67	80.8	65.1	97.7		
52	33.3	24.8	37.2		

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

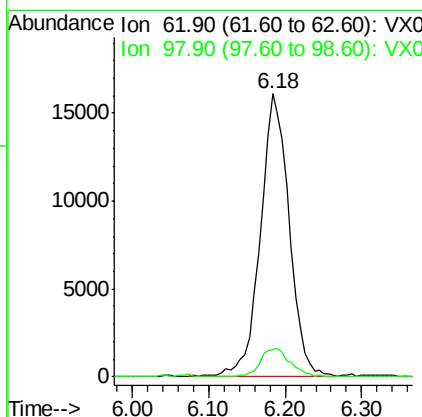
Manual Integrations
APPROVED

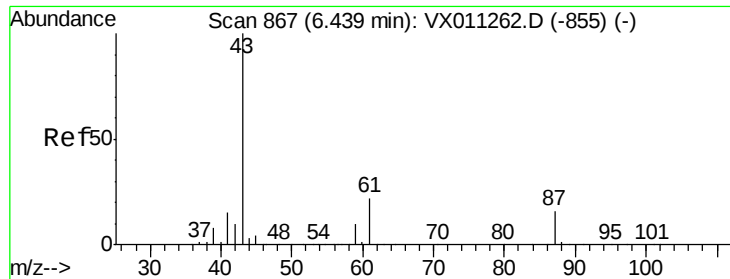
MMDadoda
8/14/2019 9:13:50 AM



#42
1,2-Dichloroethane
Concen: 20.693 ug/l
RT: 6.18 min Scan# 825
Delta R.T. -0.01 min
Lab File: VX011475.D
Acq: 12 Aug 2019 11:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		42421		
98	10.4	0.0	20.6		





#43

Isopropyl Acetate

Concen: 18.969 ug/l

RT: 6.43 min Scan# 866

Delta R.T. -0.01 min

Lab File: VX011475.D

Acq: 12 Aug 2019 11:58

Instrument :

MSVOA_X

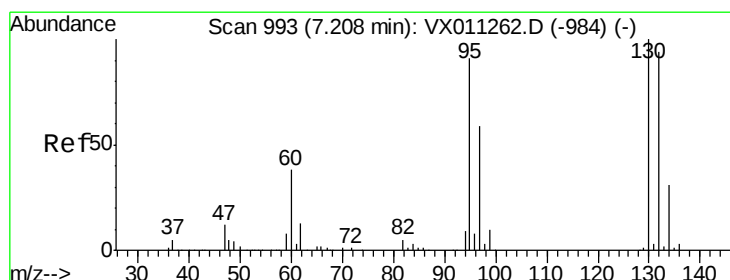
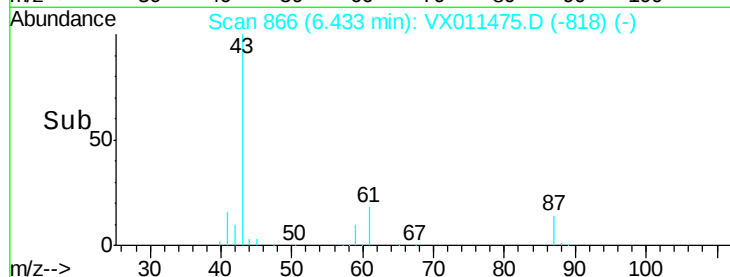
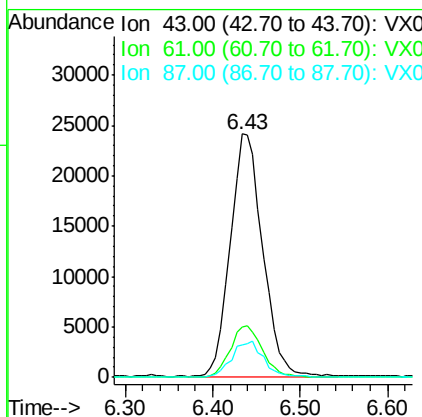
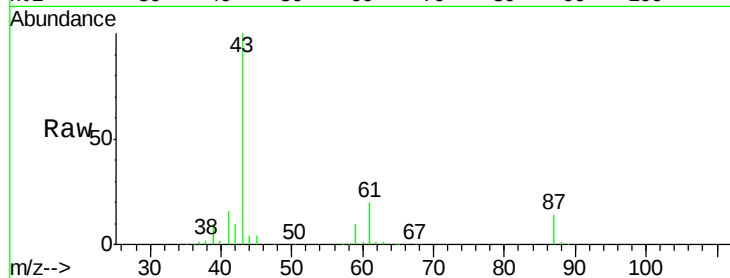
ClientSampleId :

VX0812WBS01

Tot Ion:	43	Resp:	61800
Ion	Ratio	Lower	Upper
43	100		
61	21.3	16.5	24.7
87	14.7	12.1	18.1

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#44

Trichloroethene

Concen: 17.845 ug/l

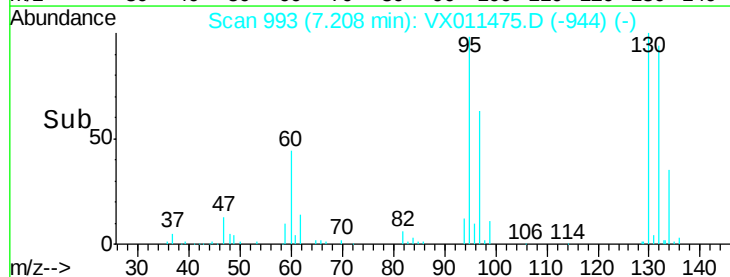
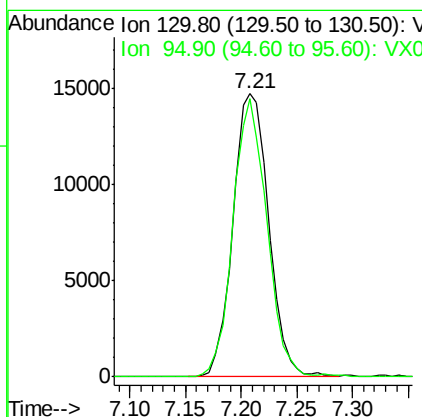
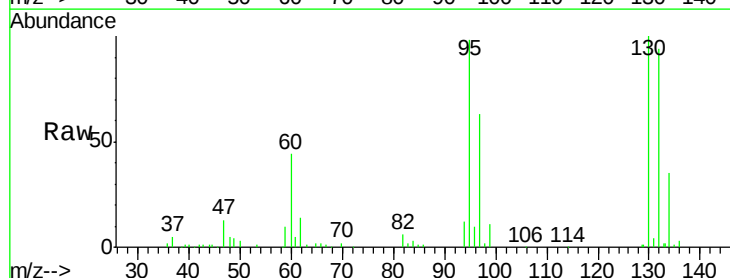
RT: 7.21 min Scan# 993

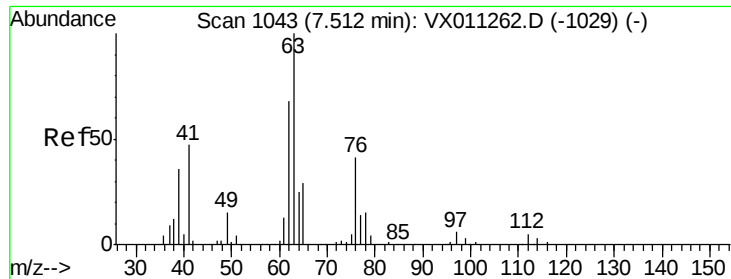
Delta R.T. 0.00 min

Lab File: VX011475.D

Acq: 12 Aug 2019 11:58

Tgt Ion:	130	Resp:	32746
Ion	Ratio	Lower	Upper
130	100		
95	98.4	0.0	182.6





#45

1,2-Dichloropropane

Concen: 18.427 ug/l

RT: 7.51 min Scan# 1042

Delta R.T. -0.01 min

Lab File: VX011475.D

Acq: 12 Aug 2019 11:58

Instrument :

MSVOA_X

ClientSampleId :

VX0812WBS01

Tot Ion: 63 Resp: 28932

Ion Ratio Lower Upper

63 100

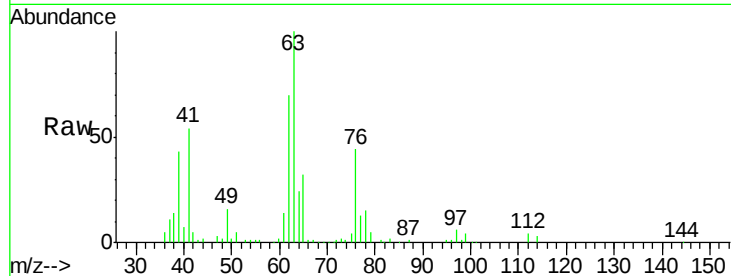
65 32.1 23.3 34.9

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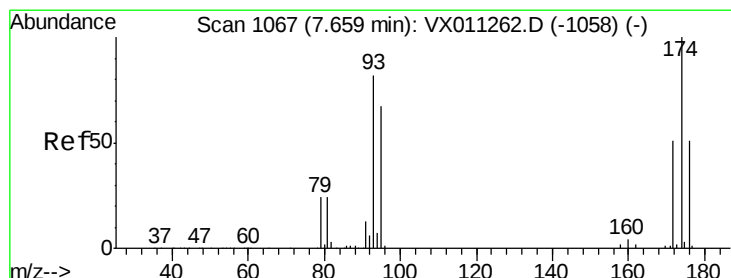
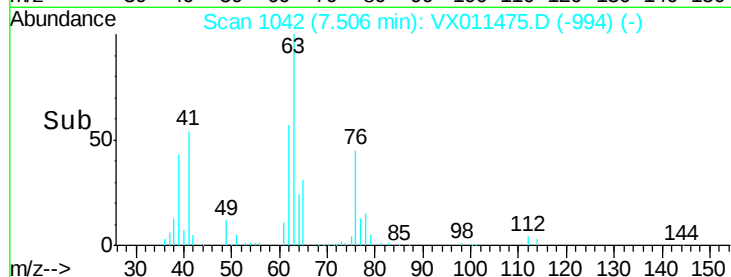
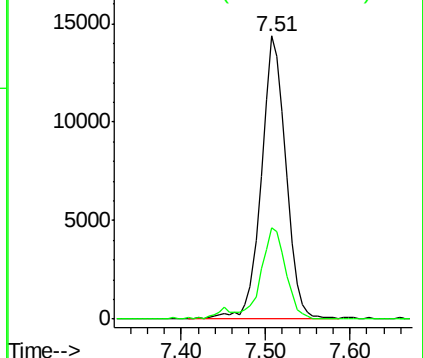
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 18.797 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. 0.00 min

Lab File: VX011475.D

Acq: 12 Aug 2019 11:58

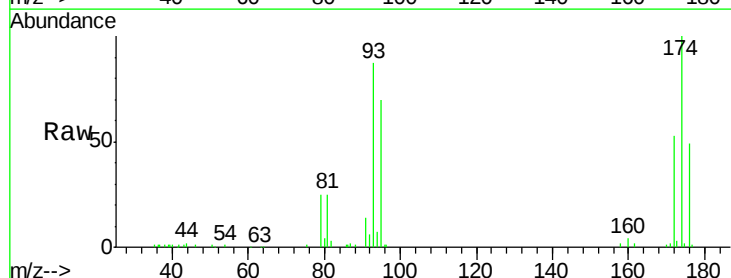
Tgt Ion: 93 Resp: 21544

Ion Ratio Lower Upper

93 100

95 82.5 66.4 99.6

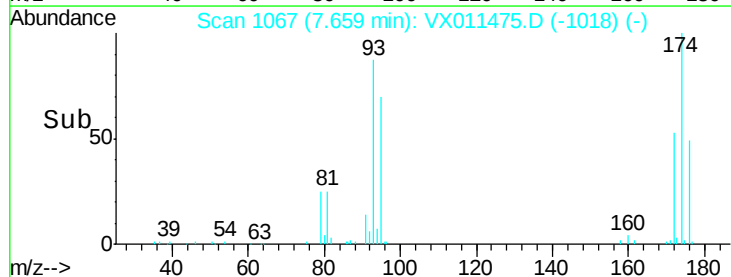
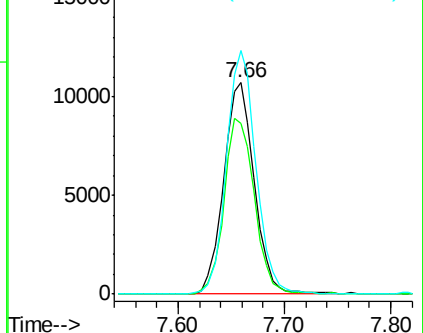
174 111.0 93.4 140.2

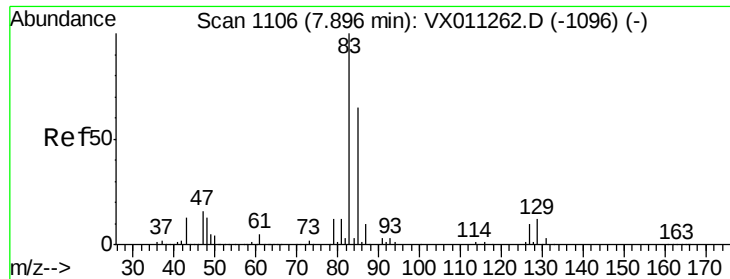


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 20.157 ug/l

RT: 7.89 min Scan# 1105

Delta R.T. -0.01 min

Lab File: VX011475.D

Acq: 12 Aug 2019 11:58

Instrument :

MSVOA_X

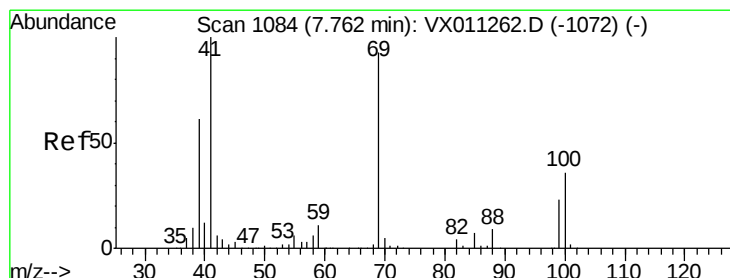
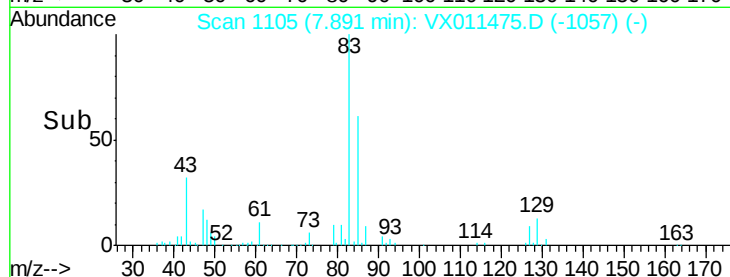
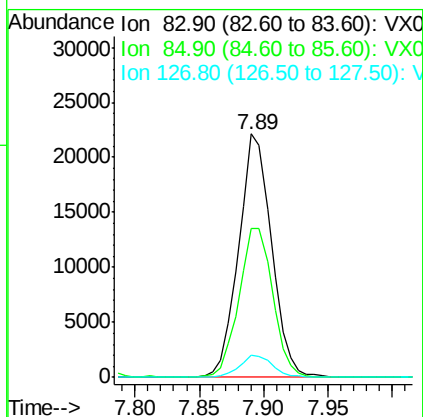
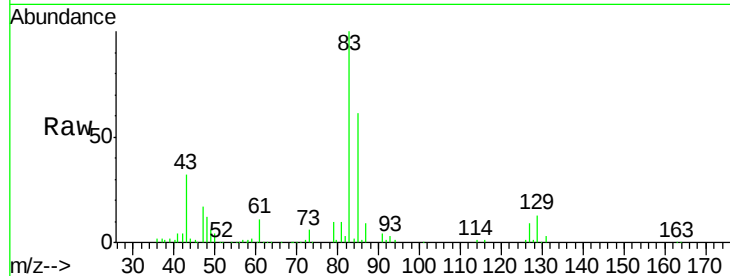
ClientSampleId :

VX0812WBS01

Tot Ion:	83	Resp:	39115
Ion Ratio	Lower	Upper	
83	100		
85	61.1	52.2	78.2
127	8.9	7.8	11.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.756 ug/l

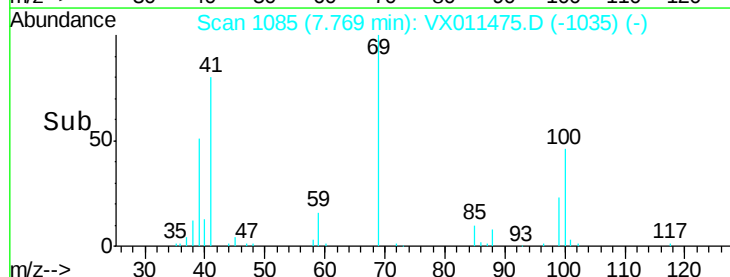
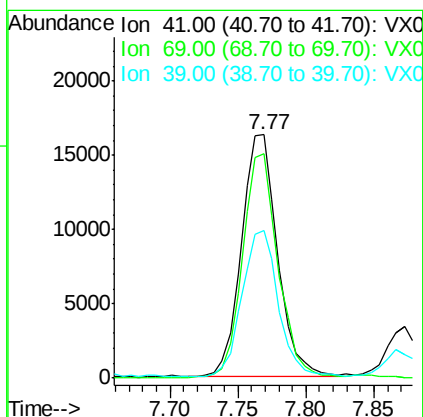
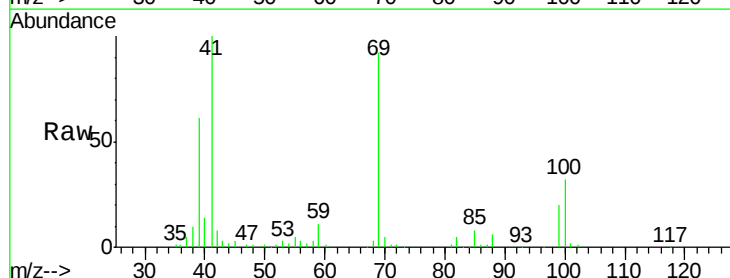
RT: 7.77 min Scan# 1085

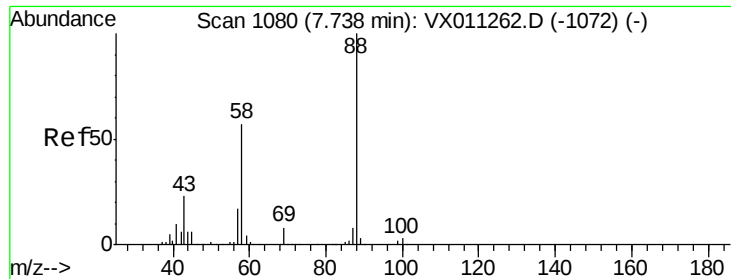
Delta R.T. 0.01 min

Lab File: VX011475.D

Acq: 12 Aug 2019 11:58

Tgt Ion:	41	Resp:	30292
Ion Ratio	Lower	Upper	
41	100		
69	91.1	74.5	111.7
39	61.2	48.6	72.8





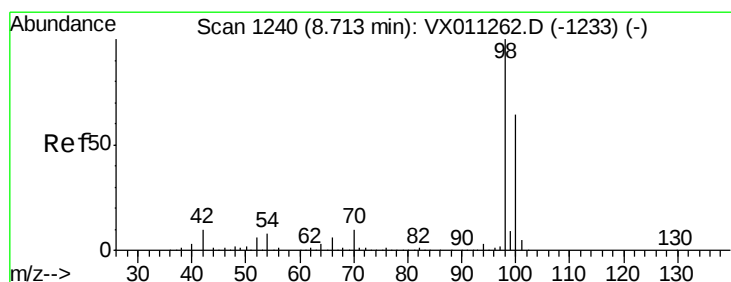
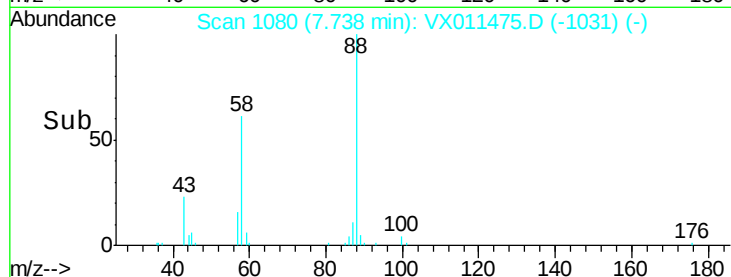
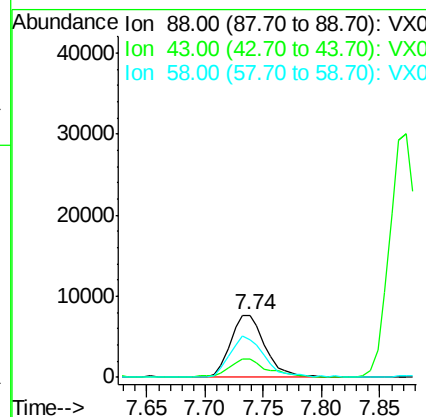
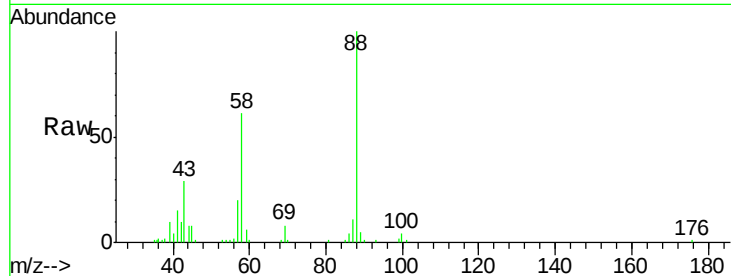
#49
1,4-Dioxane
Concen: 357.270 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. 0.00 min
Lab File: VX011475.D
Acq: 12 Aug 2019 11:58

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.8	22.2	33.2
58	66.9	47.8	71.8

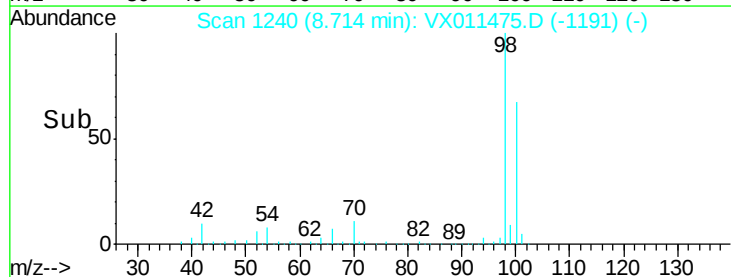
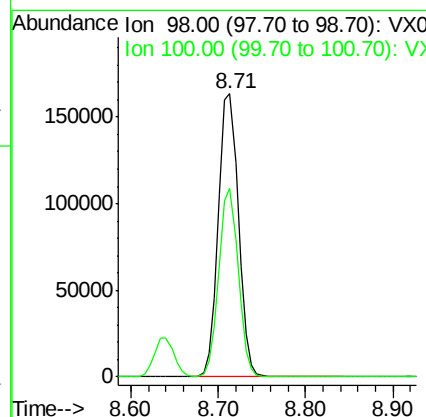
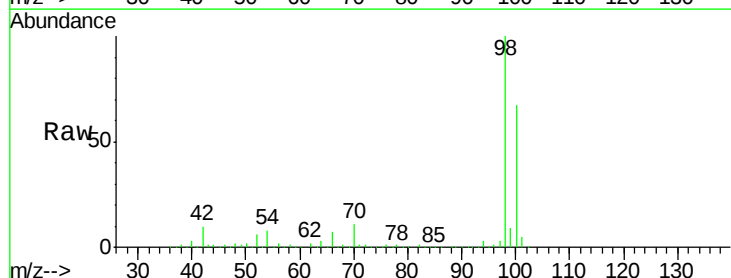
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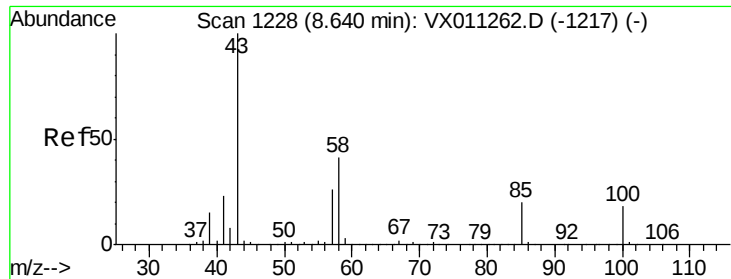
MMDadoda
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#50
Toluene-d8
Concen: 45.603 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX011475.D
Acq: 12 Aug 2019 11:58

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 101.020 ug/l

RT: 8.63 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VX011475.D

Acq: 12 Aug 2019 11:58

Instrument :

MSVOA_X

ClientSampled :

VX0812WBS01

Tot Ion: 43 Resp: 212405

Ion Ratio Lower Upper

43 100

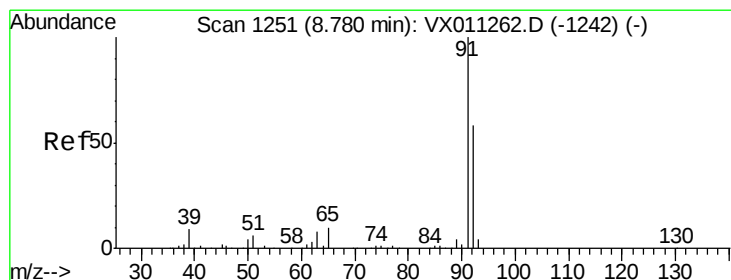
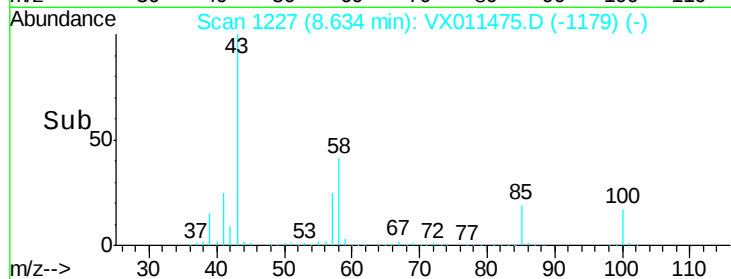
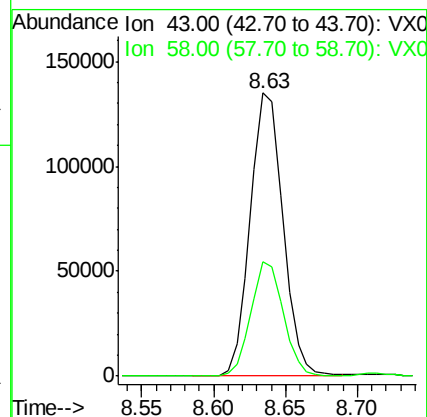
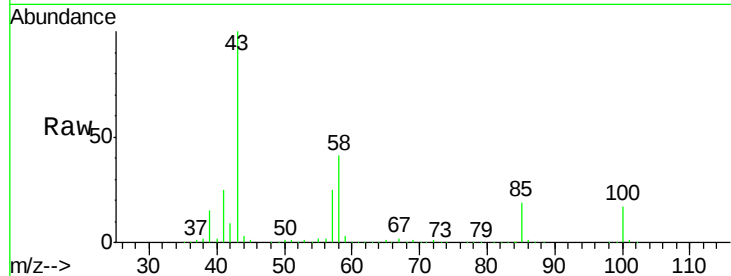
58 39.9 32.3 48.5

Manual Integrations

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#52

Toluene

Concen: 18.488 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VX011475.D

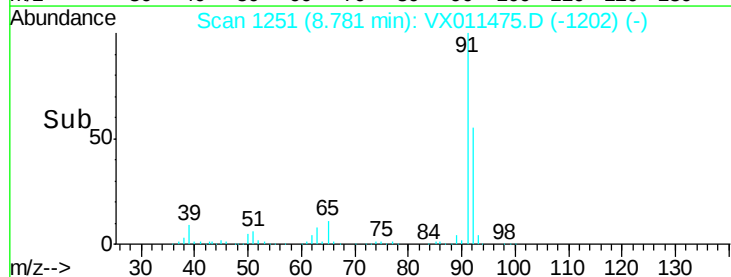
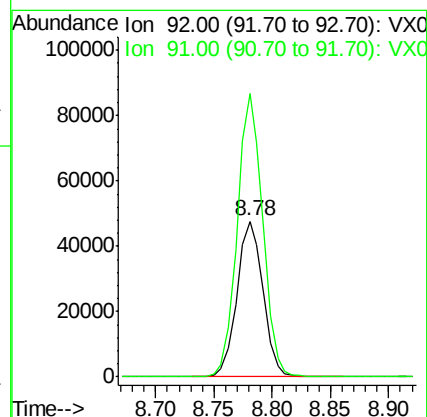
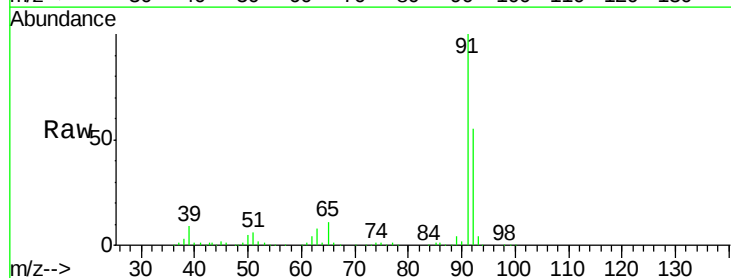
Acq: 12 Aug 2019 11:58

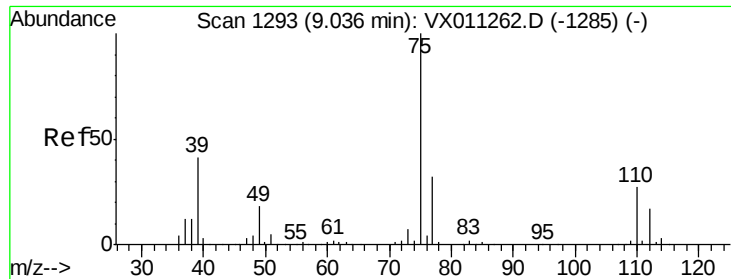
Tgt Ion: 92 Resp: 74105

Ion Ratio Lower Upper

92 100

91 178.1 139.4 209.0





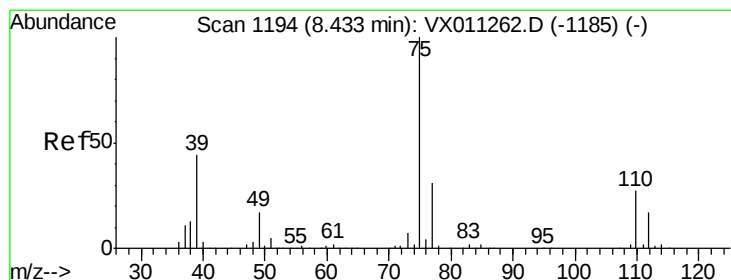
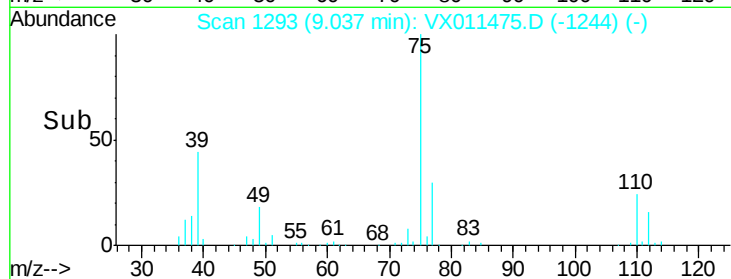
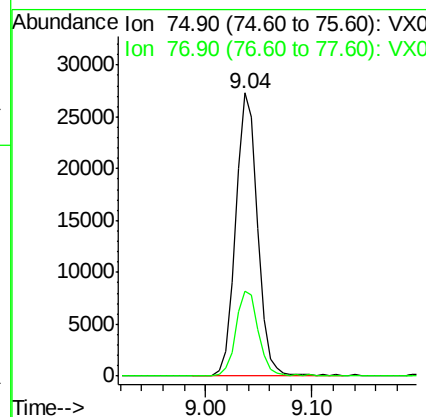
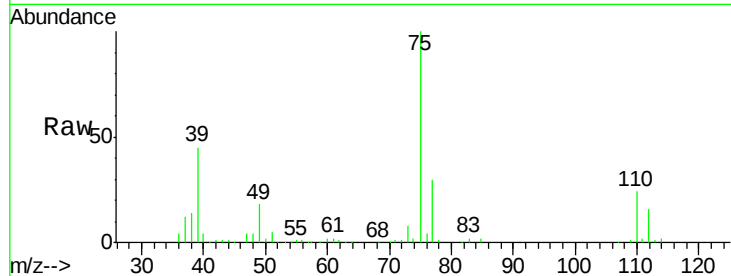
#53
 t-1,3-Dichloropropene
 Concen: 19.362 ug/l
 RT: 9.04 min Scan# 1293
 Delta R.T. 0.00 min
 Lab File: VX011475.D
 Acq: 12 Aug 2019 11:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0812WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.1	25.4	38.0

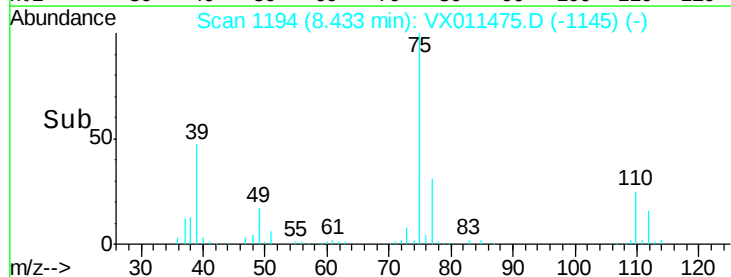
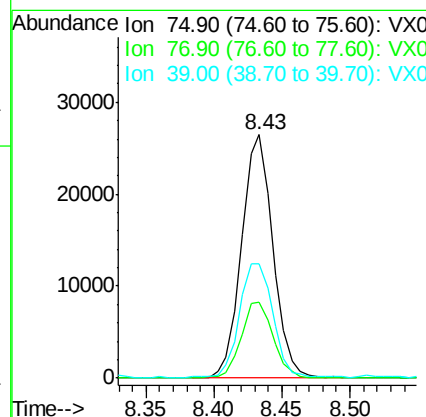
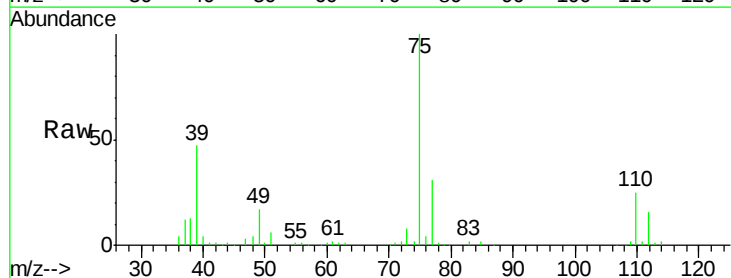
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#54
 cis-1,3-Dichloropropene
 Concen: 18.835 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VX011475.D
 Acq: 12 Aug 2019 11:58

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.0	37.6
39	46.5	35.3	52.9





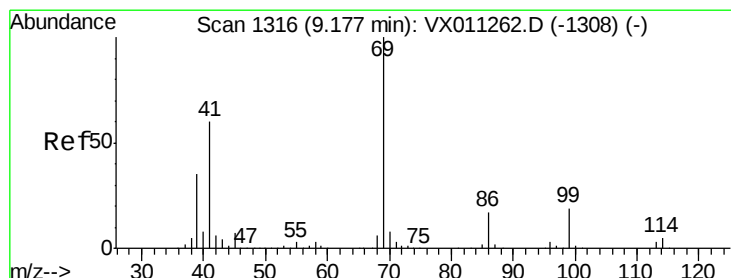
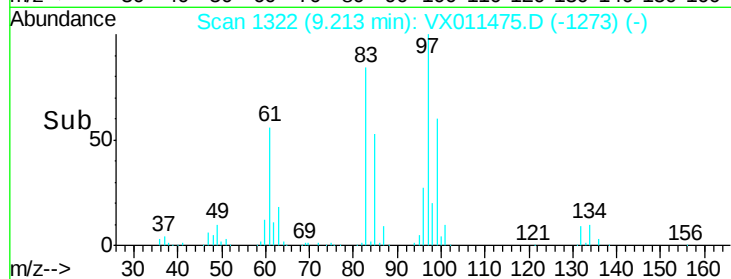
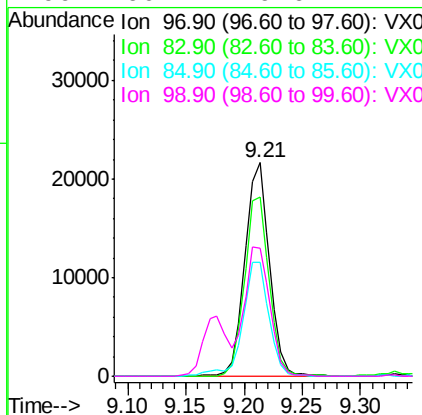
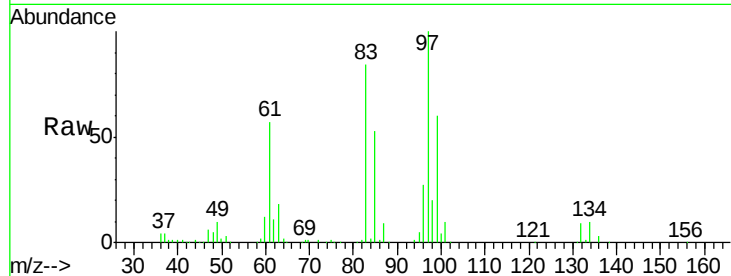
#55
 1,1,2-Trichloroethane
 Concen: 19.382 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX011475.D
 Acq: 12 Aug 2019 11:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0812WBS01

Tot Ion:	97	Resp:	31942
Ion	Ratio	Lower	Upper
97	100		
83	83.9	67.6	101.4
85	52.9	43.4	65.0
99	60.1	49.6	74.4

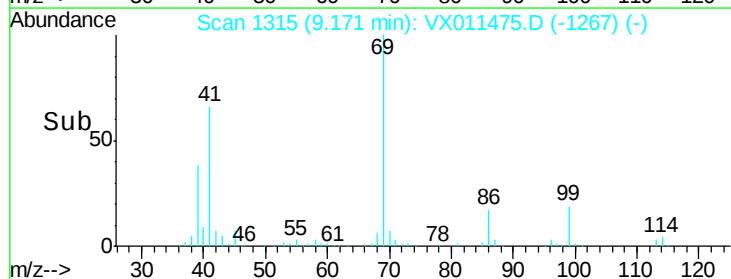
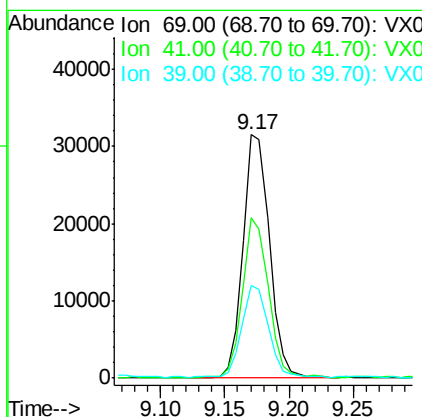
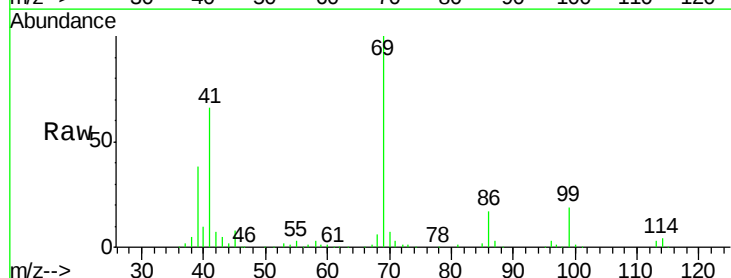
Manual Integrations
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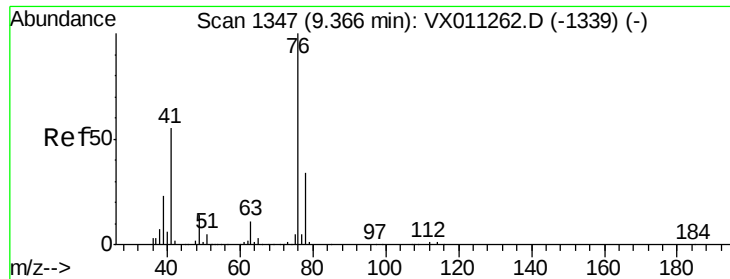
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#56
 Ethyl methacrylate
 Concen: 19.117 ug/l
 RT: 9.17 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: VX011475.D
 Acq: 12 Aug 2019 11:58

Tgt Ion:	69	Resp:	44896
Ion	Ratio	Lower	Upper
69	100		
41	64.4	48.6	73.0
39	38.3	29.4	44.2





#57

1,3-Dichloropropane

Concen: 19.348 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. 0.00 min

Lab File: VX011475.D

Acq: 12 Aug 2019 11:58

Instrument :

MSVOA_X

ClientSampleId :

VX0812WBS01

Tot Ion: 76 Resp: 50429

Ion Ratio Lower Upper

76 100

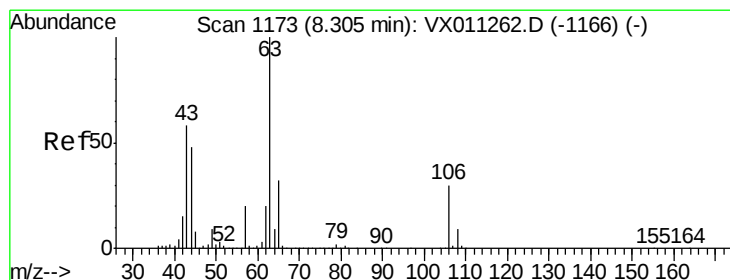
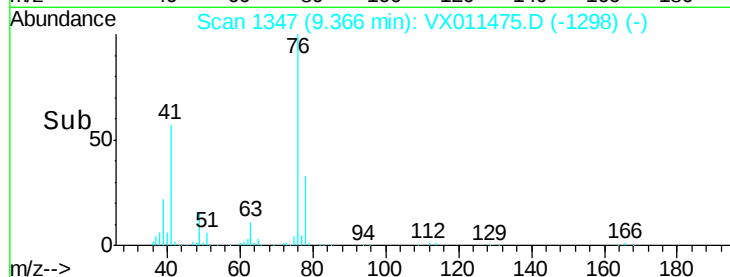
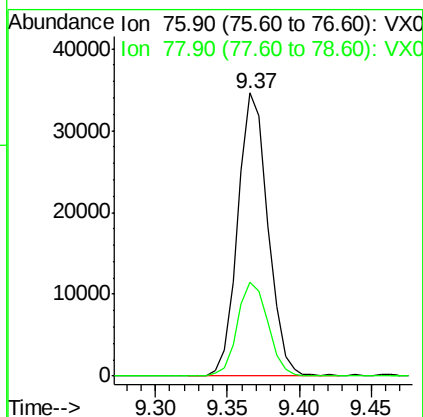
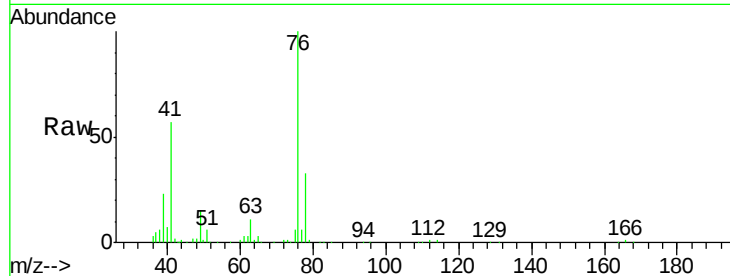
78 33.6 26.6 40.0

Manual Integrations

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MMDadoda

8/14/2019 9:13:50 AM



#58

2-Chloroethyl Vinyl ether

Concen: 96.798 ug/l

RT: 8.31 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VX011475.D

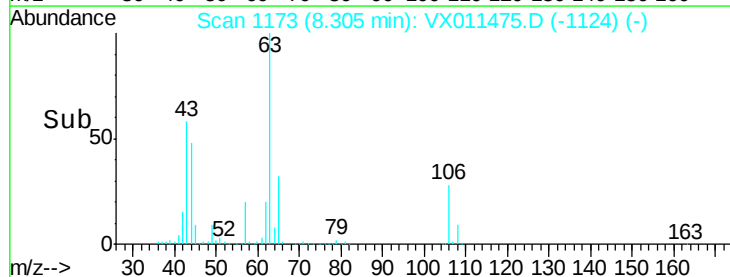
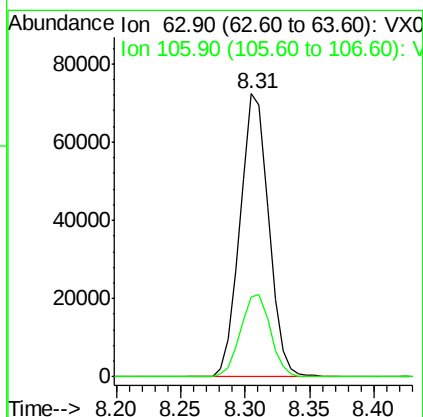
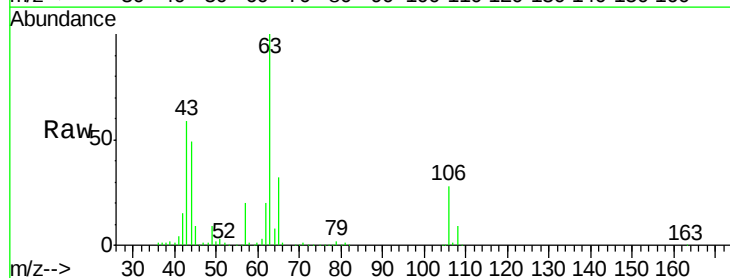
Acq: 12 Aug 2019 11:58

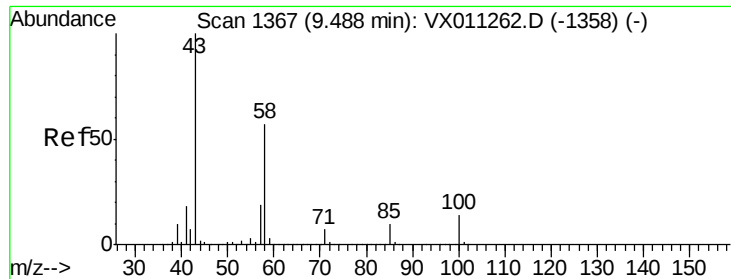
Tgt Ion: 63 Resp: 111778

Ion Ratio Lower Upper

63 100

106 30.6 24.4 36.6





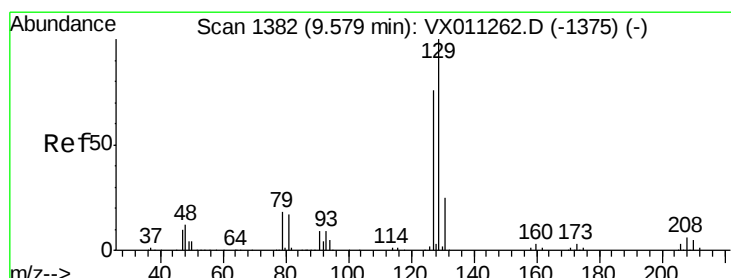
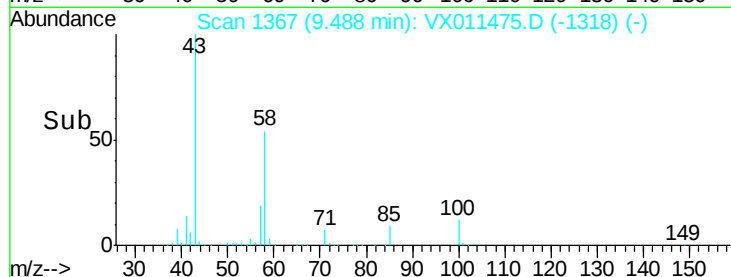
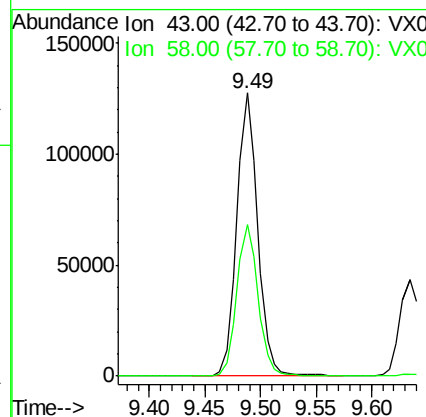
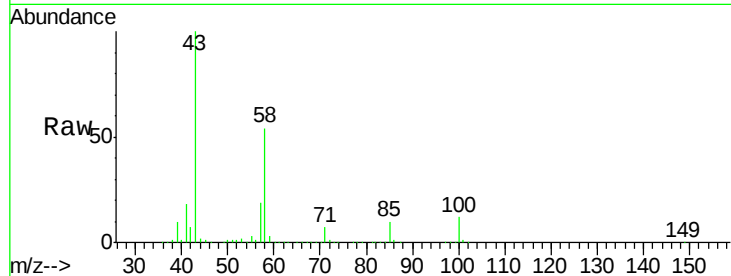
#59
2-Hexanone
Concen: 102.240 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX011475.D
Acq: 12 Aug 2019 11:58

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Tot Ion: 43 Resp: 166509
Ion Ratio Lower Upper
43 100
58 54.3 28.2 84.6

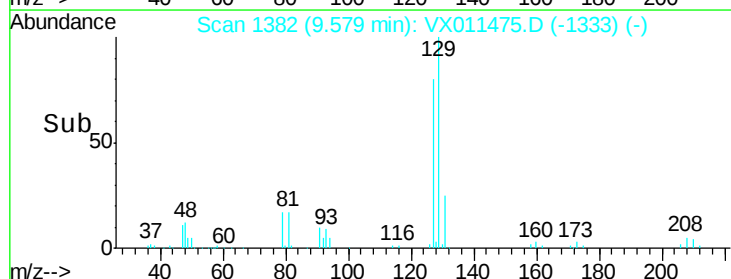
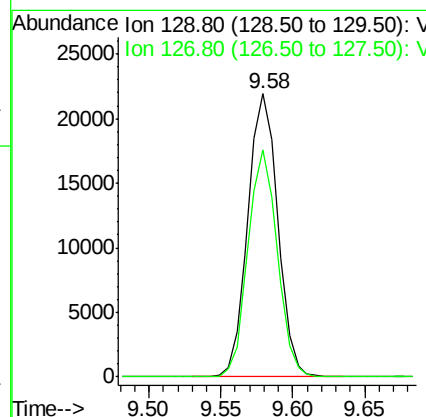
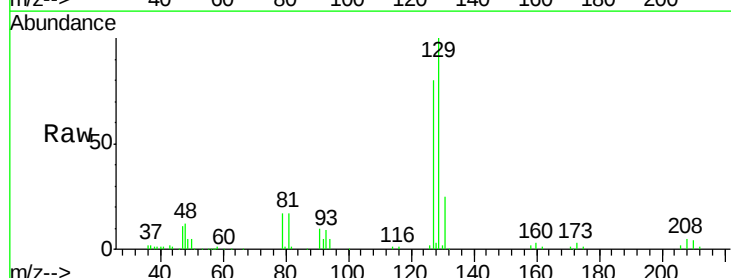
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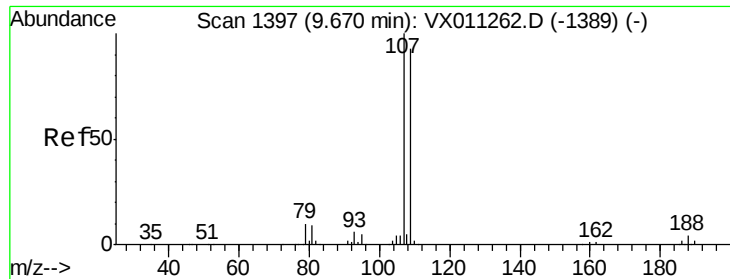
MMDadoda
8/14/2019 9:13:50 AM



#60
Dibromochloromethane
Concen: 18.706 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX011475.D
Acq: 12 Aug 2019 11:58

Tgt Ion: 129 Resp: 31562
Ion Ratio Lower Upper
129 100
127 78.4 39.2 117.6





#61

1,2-Dibromoethane

Concen: 18.835 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX011475.D

Acq: 12 Aug 2019 11:58

Instrument :

MSVOA_X

ClientSampleId :

VX0812WBS01

Tot Ion:107 Resp: 33536

Ion Ratio Lower Upper

107 100

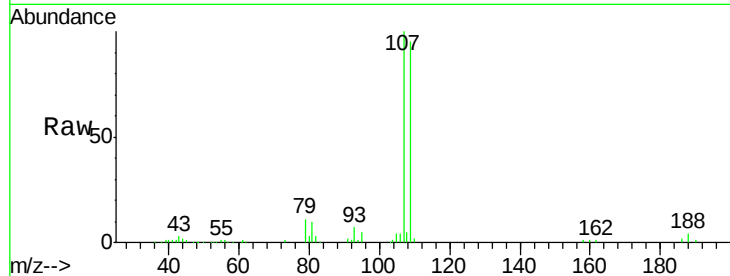
109 94.5 76.6 114.8

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8/14/2019 9:13:50 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

25000

20000

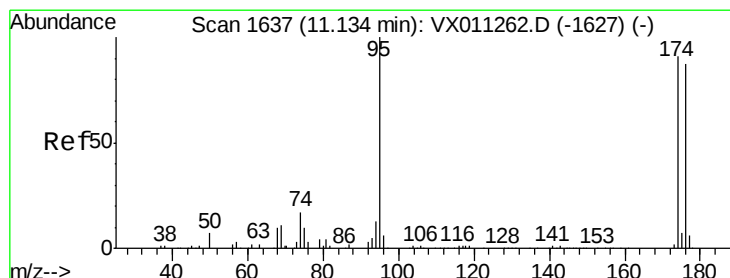
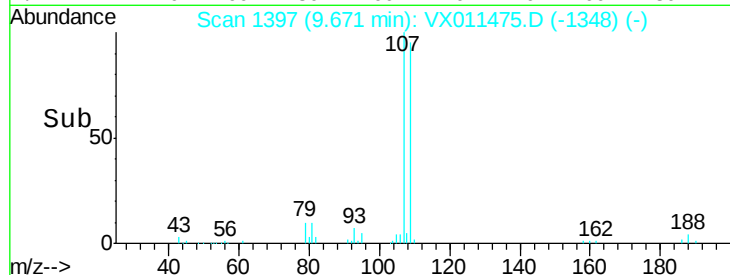
15000

10000

5000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 47.160 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011475.D

Acq: 12 Aug 2019 11:58

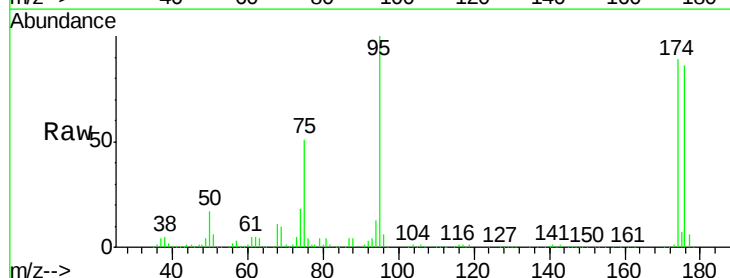
Tgt Ion: 95 Resp: 96553

Ion Ratio Lower Upper

95 100

174 88.3 0.0 191.2

176 87.1 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

11.13

100000

80000

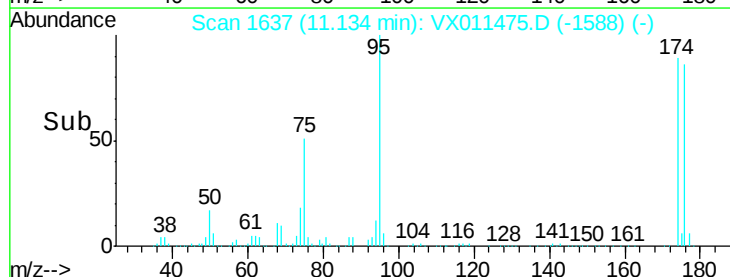
60000

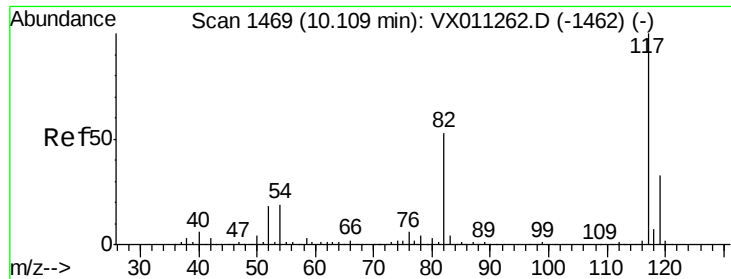
40000

20000

0

Time-->





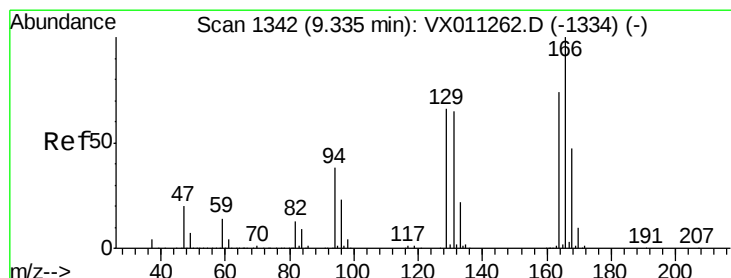
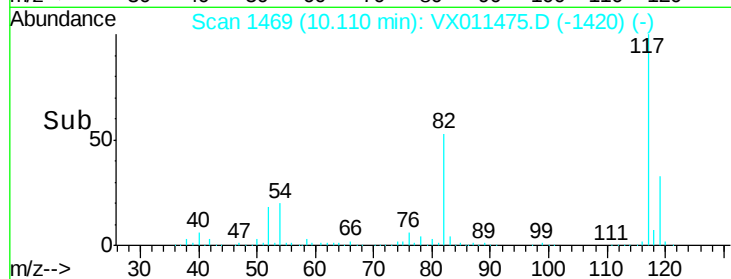
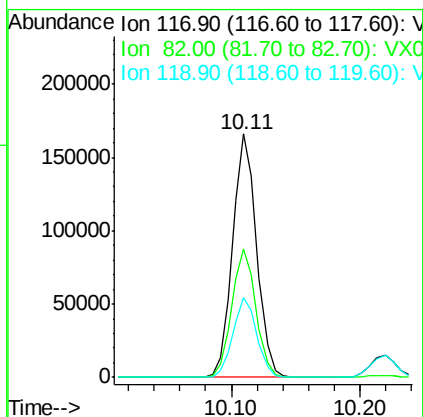
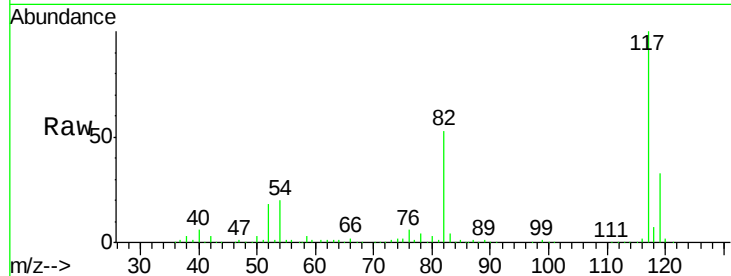
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011475.D
Acq: 12 Aug 2019 11:58

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.0	42.2	63.2
119	33.0	26.6	39.8

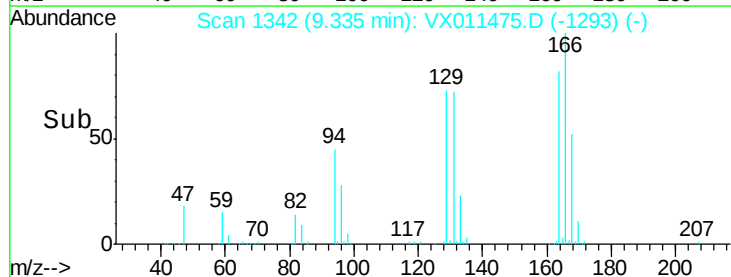
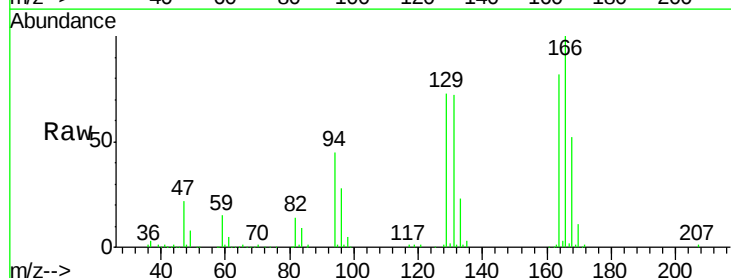
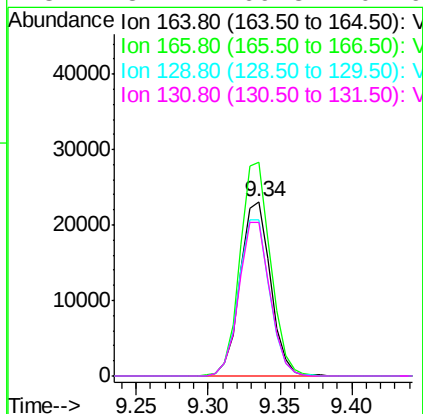
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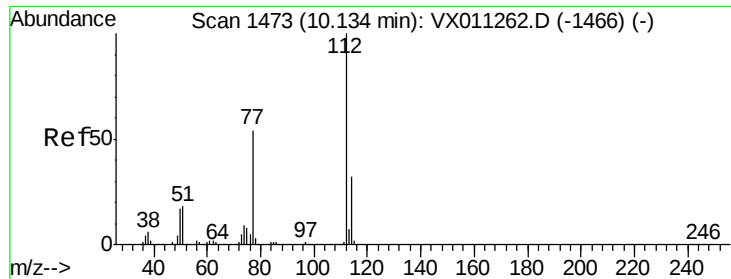
MMDadoda
8/14/2019 9:13:50 AM



#64
Tetrachloroethene
Concen: 18.331 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX011475.D
Acq: 12 Aug 2019 11:58

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.3	107.5	161.3
129	89.2	71.0	106.4
131	87.7	69.8	104.6





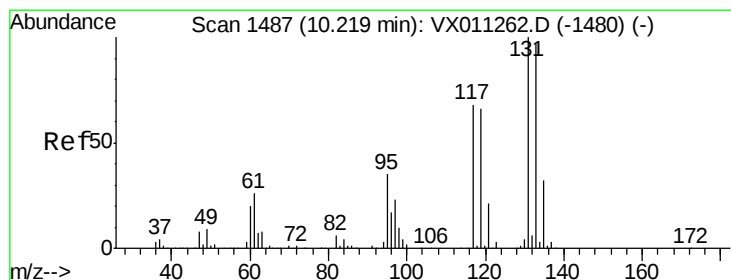
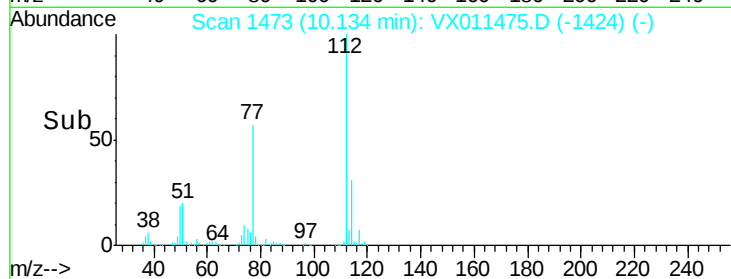
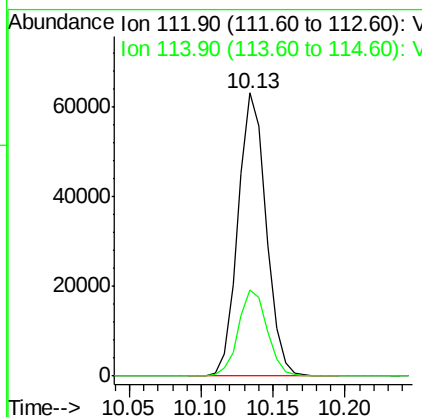
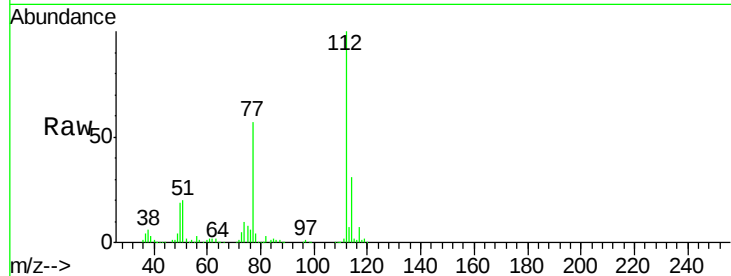
#65
Chlorobenzene
Concen: 18.494 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX011475.D
Acq: 12 Aug 2019 11:58

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.7	25.9	38.9

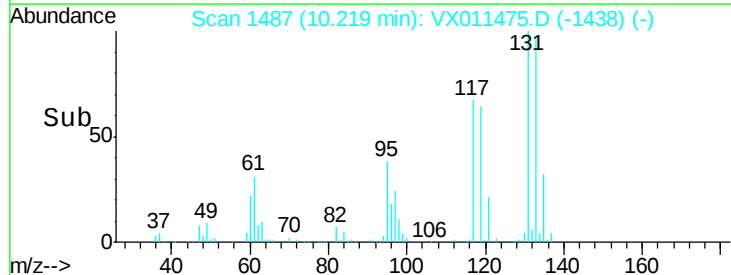
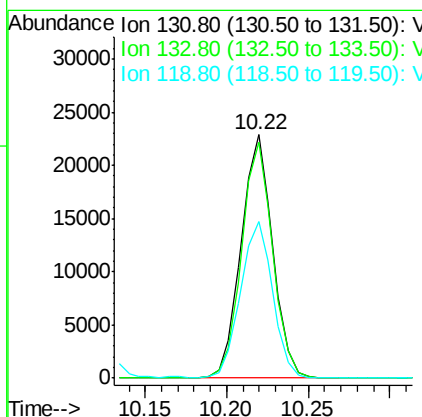
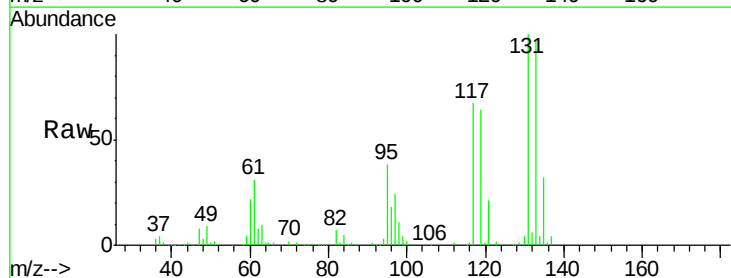
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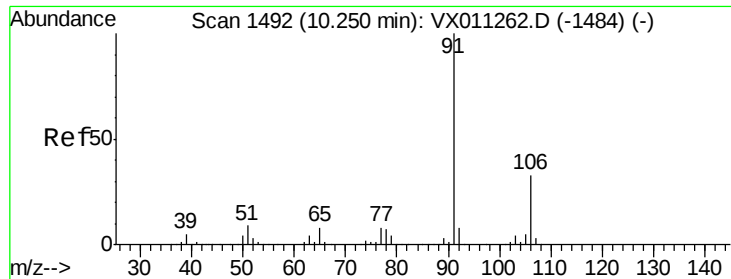
MMDadoda
8/14/2019 9:13:50 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.361 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX011475.D
Acq: 12 Aug 2019 11:58

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.2	47.7	143.1
119	65.8	32.8	98.3





#67

Ethyl Benzene

Concen: 18.496 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX011475.D

Acq: 12 Aug 2019 11:58

Instrument :

MSVOA_X

ClientSampleId :

VX0812WBS01

Tot Ion: 91 Resp: 143841

Ion Ratio Lower Upper

91 100

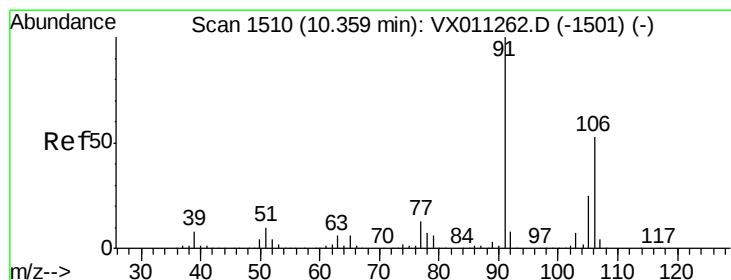
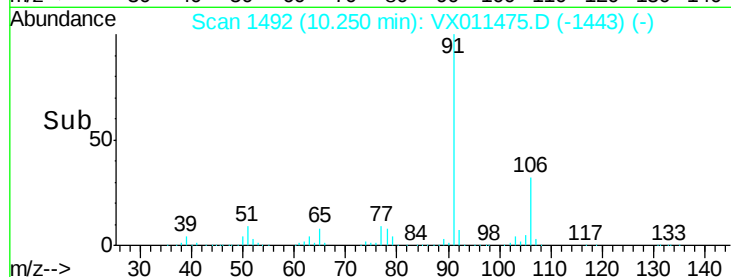
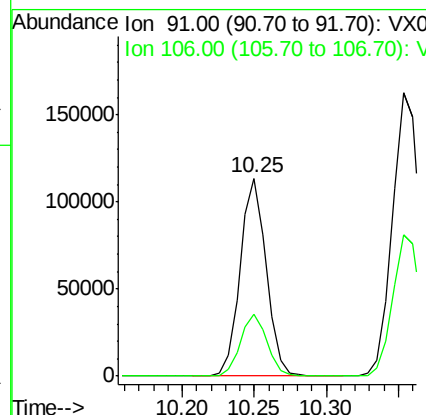
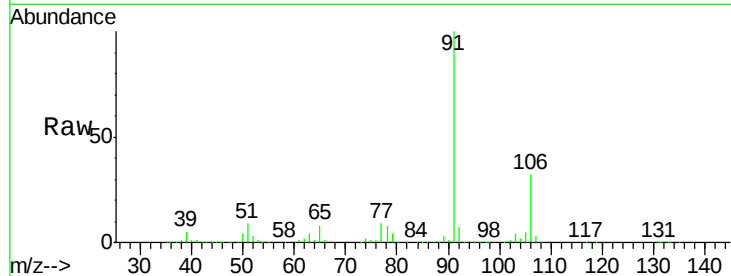
106 31.5 26.2 39.4

Manual Integrations

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MMDadoda

8/14/2019 9:13:50 AM



#68

m/p-Xylenes

Concen: 36.921 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VX011475.D

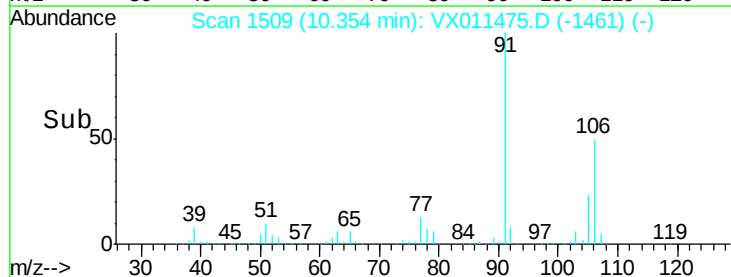
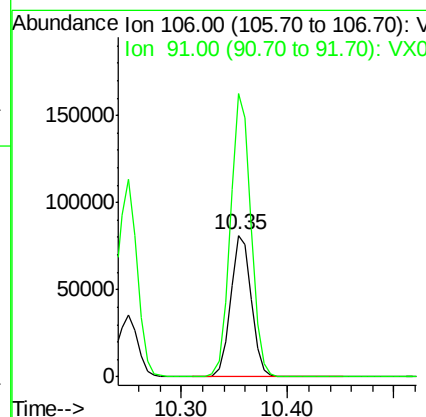
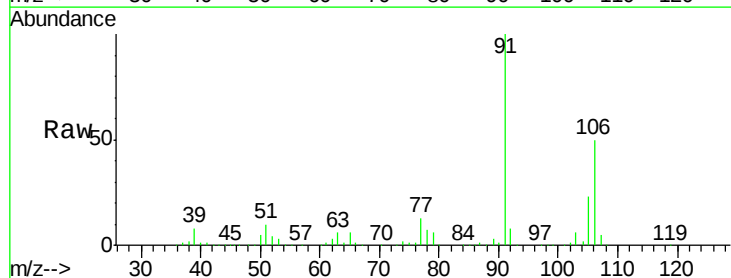
Acq: 12 Aug 2019 11:58

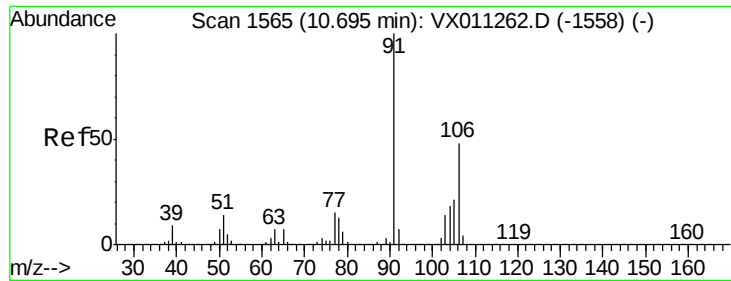
Tgt Ion: 106 Resp: 111059

Ion Ratio Lower Upper

106 100

91 196.9 155.9 233.9





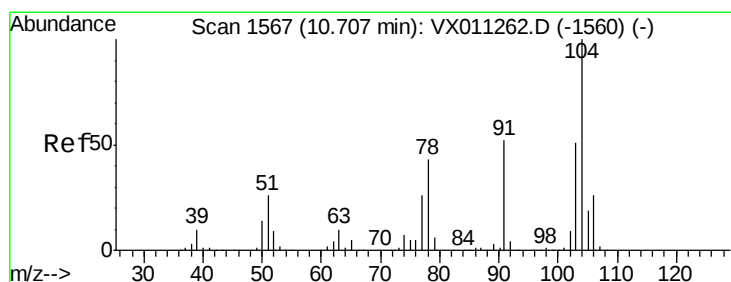
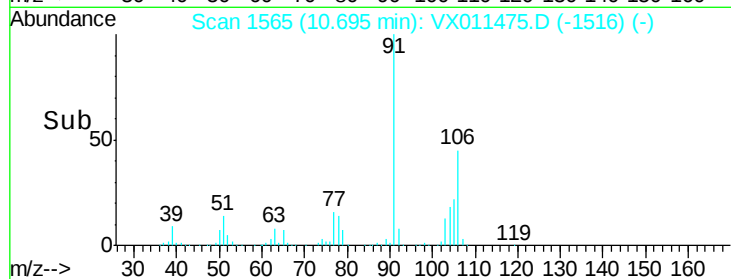
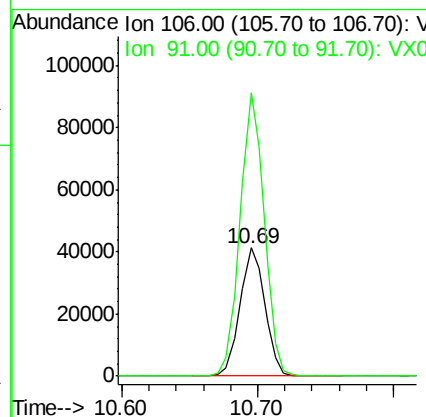
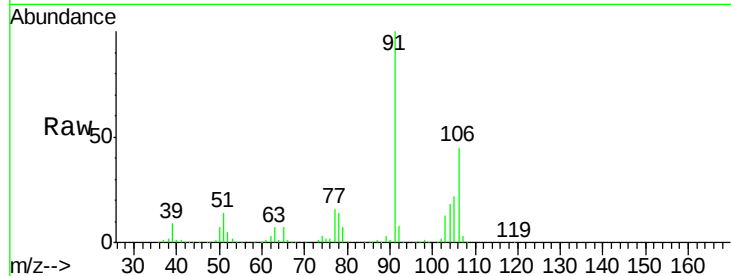
#69
o-Xylene
Concen: 17.852 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX011475.D
Acq: 12 Aug 2019 11:58

Instrument :
MSVOA_X
ClientSampled :
VX0812WBS01

Tot Ion:106 Resp: 52762
Ion Ratio Lower Upper
106 100
91 214.1 103.8 311.3

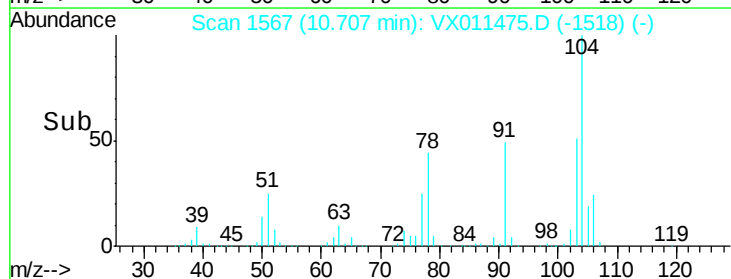
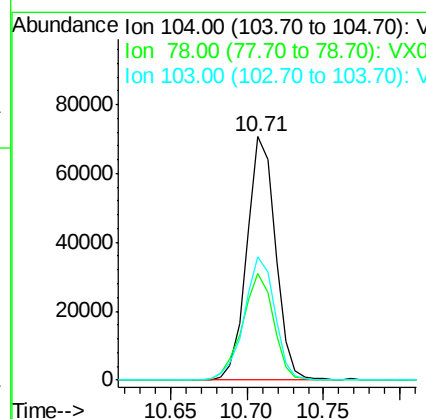
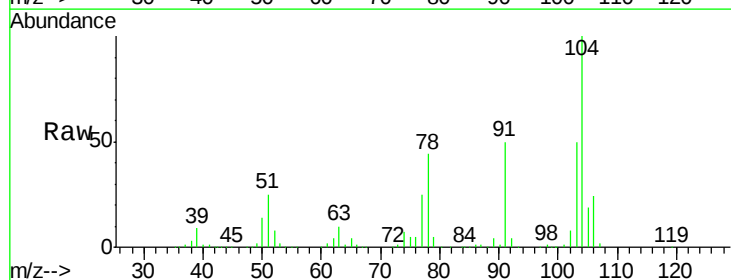
Manual Integrations
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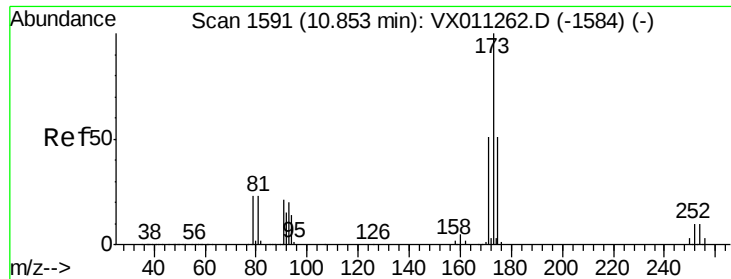
MMDadoda
8/14/2019 9:13:50 AM



#70
Styrene
Concen: 18.780 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX011475.D
Acq: 12 Aug 2019 11:58

Tgt Ion:104 Resp: 91842
Ion Ratio Lower Upper
104 100
78 48.1 36.9 55.3
103 54.2 44.4 66.6





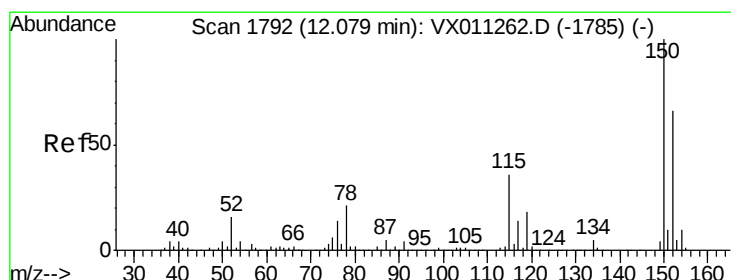
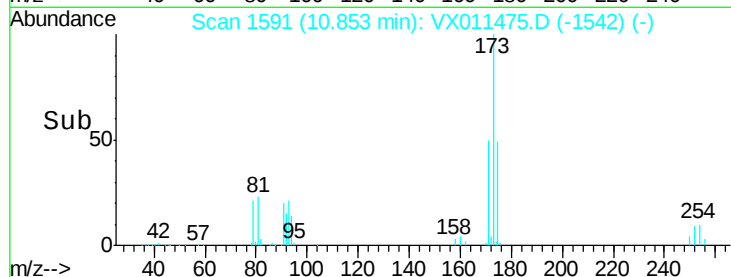
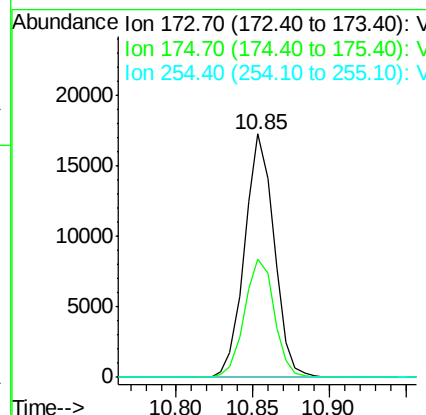
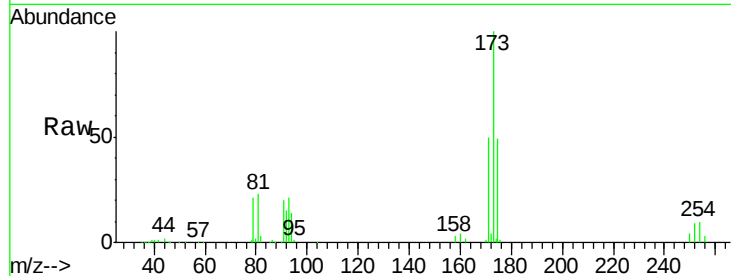
#71
Bromoform
Concen: 18.135 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. 0.00 min
Lab File: VX011475.D
Acq: 12 Aug 2019 11:58

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.4	73.4
254	0.0	0.2	0.2

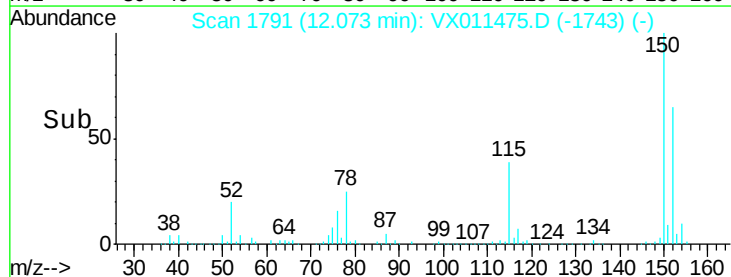
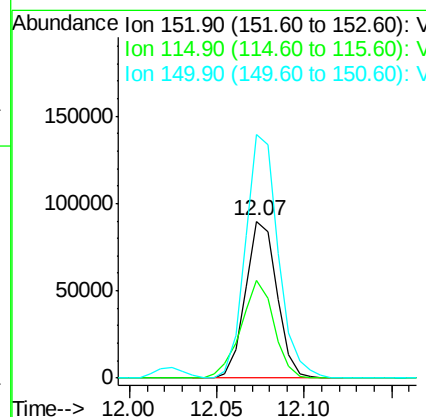
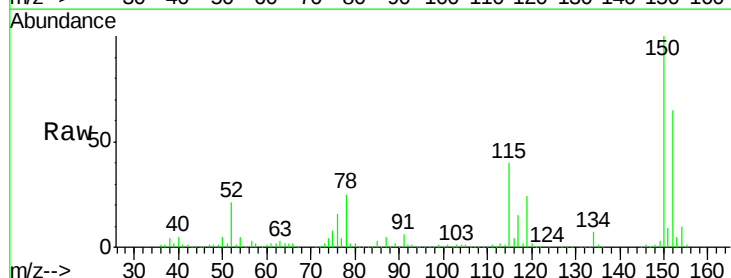
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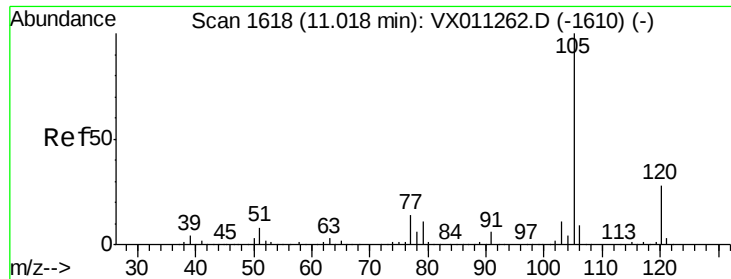
MMDadoda
8/14/2019 9:13:50 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1791
Delta R.T. -0.01 min
Lab File: VX011475.D
Acq: 12 Aug 2019 11:58

Tgt Ion	Ratio	Lower	Upper
152	100		
115	65.5	40.0	119.9
150	162.1	0.0	350.4





#73

Isopropylbenzene

Concen: 19.111 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX011475.D

Acq: 12 Aug 2019 11:58

Instrument :

MSVOA_X

ClientSampleId :

VX0812WBS01

Tot Ion: 105 Resp: 146675

Ion Ratio Lower Upper

105 100

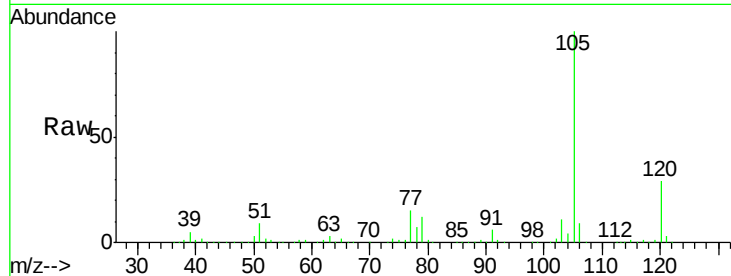
120 27.8 13.7 41.1

Manual Integrations

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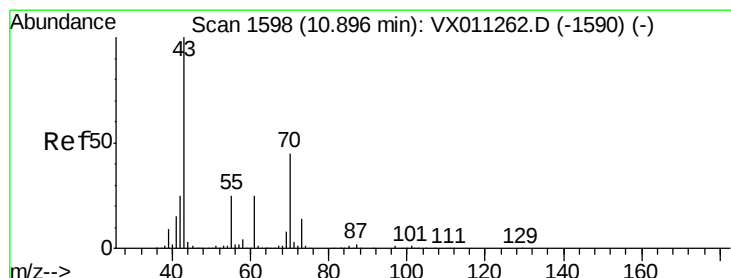
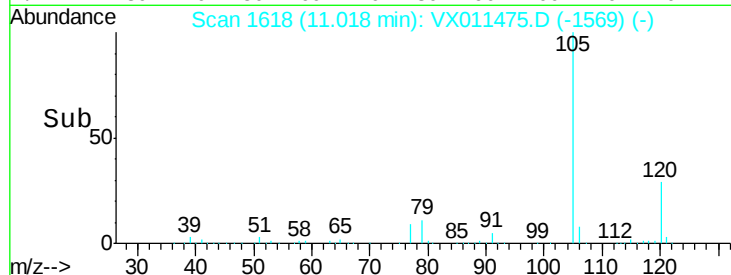
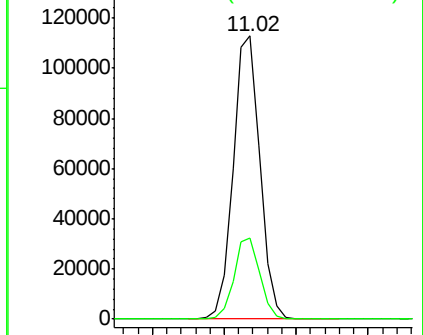
MMDadoda

8/14/2019 9:13:50 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.160 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX011475.D

Acq: 12 Aug 2019 11:58

Tgt Ion: 43 Resp: 55907

Ion Ratio Lower Upper

43 100

70 42.7 35.9 53.9

55 25.0 19.8 29.6

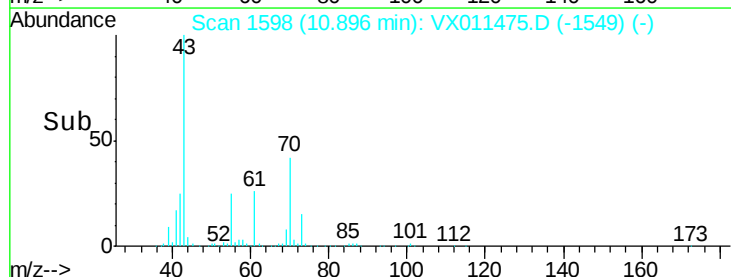
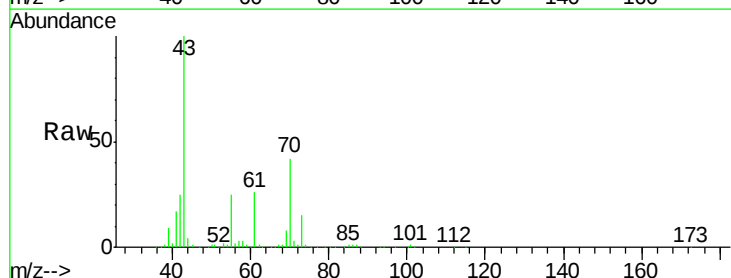
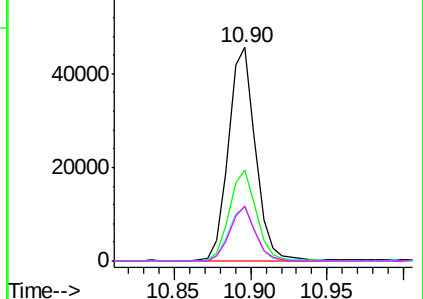
61 24.4 19.7 29.5

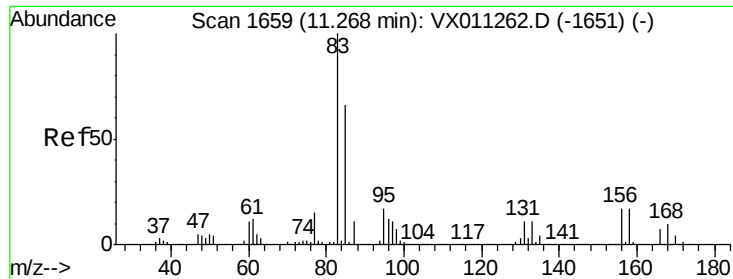
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.606 ug/l

RT: 11.26 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VX011475.D

Acq: 12 Aug 2019 11:58

Instrument :

MSVOA_X

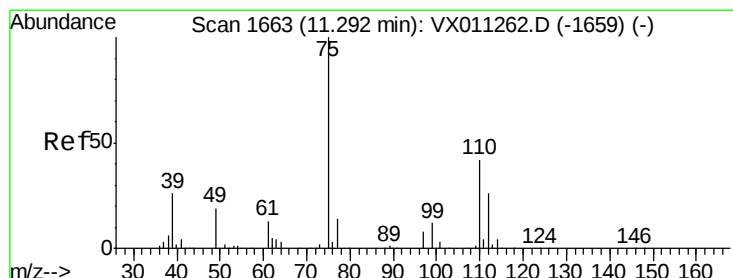
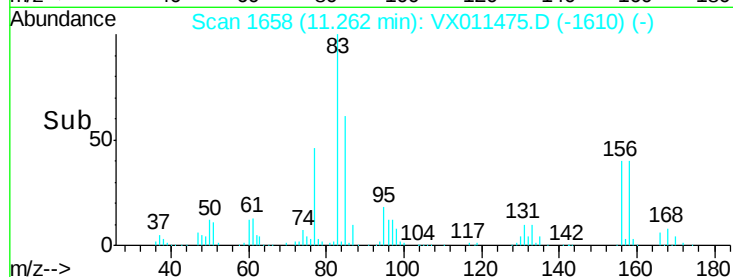
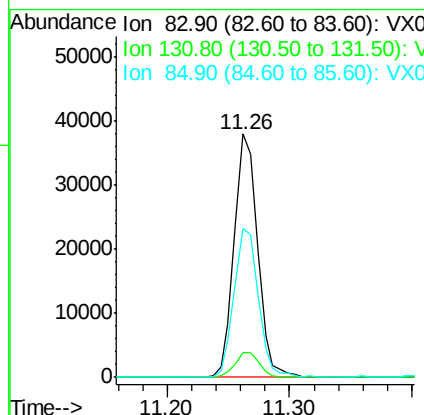
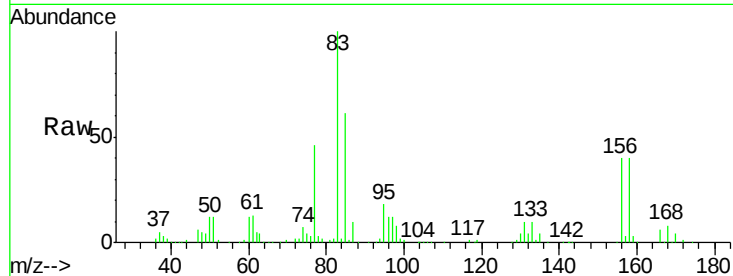
ClientSampleId :

VX0812WBS01

Tot Ion:	83	Resp:	50146
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.6	16.8
85	63.8	32.1	96.5

Manual Integrations
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MMDadoda
8/14/2019 9:13:50 AM



#76

1,2,3-Trichloropropane

Concen: 20.907 ug/l m

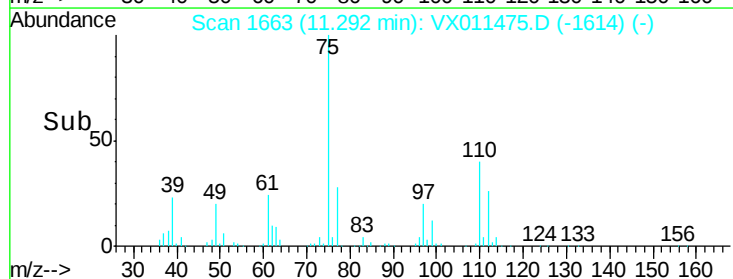
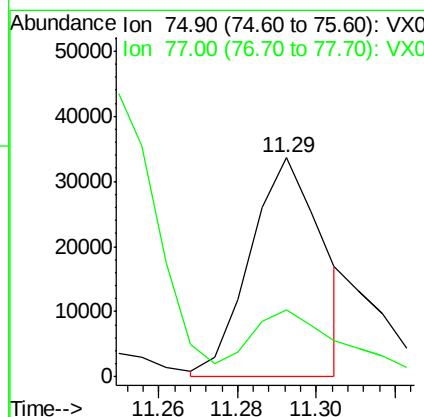
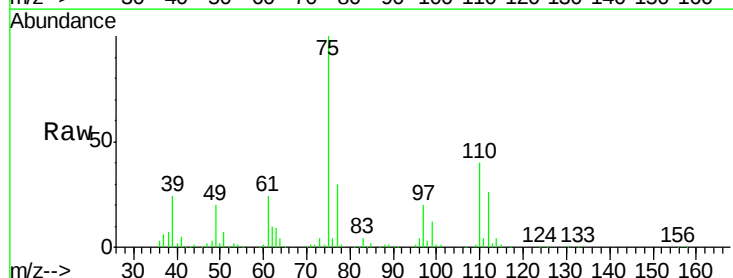
RT: 11.29 min Scan# 1663

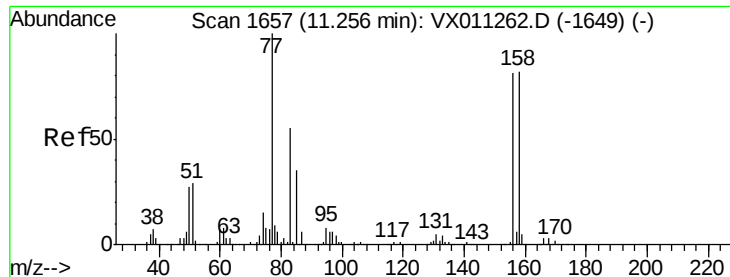
Delta R.T. 0.00 min

Lab File: VX011475.D

Acq: 12 Aug 2019 11:58

Tgt Ion:	75	Resp:	42726
Ion Ratio	Lower	Upper	
75	100		
77	38.9	21.1	63.4





#77

Bromobenzene

Concen: 18.593 ug/l

RT: 11.25 min Scan# 1656

Delta R.T. -0.01 min

Lab File: VX011475.D

Acq: 12 Aug 2019 11:58

Instrument :

MSVOA_X

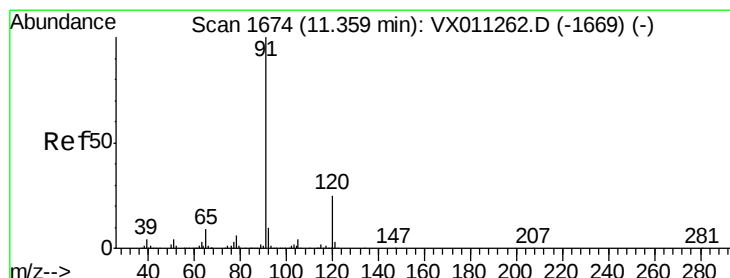
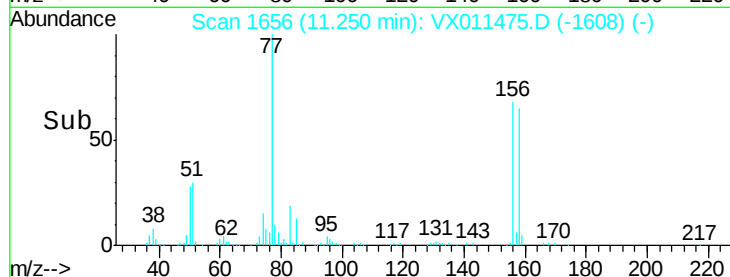
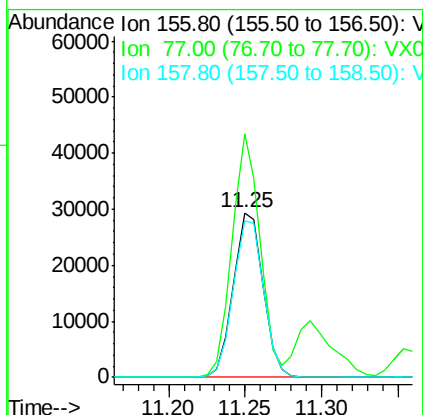
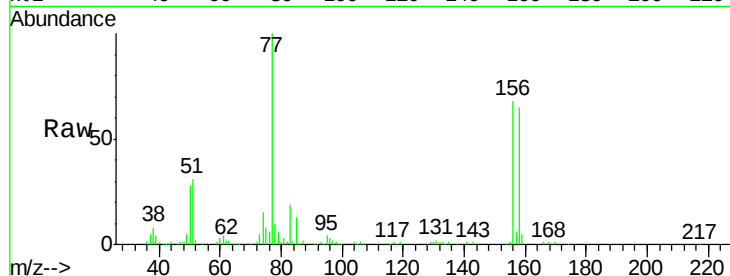
ClientSampleId :

VX0812WBS01

Tot Ion:	156	Resp:	39571
Ion Ratio	Lower	Upper	
156	100		
77	139.2	66.2	198.6
158	97.5	49.1	147.3

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#78

n-propylbenzene

Concen: 18.640 ug/l

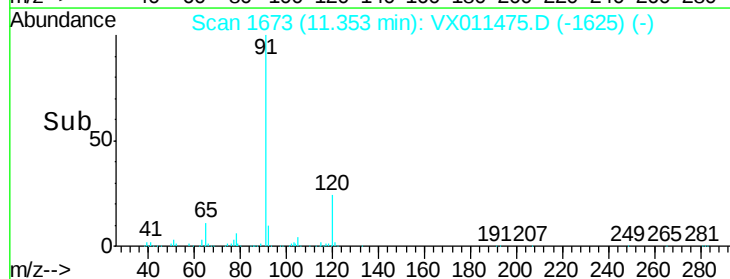
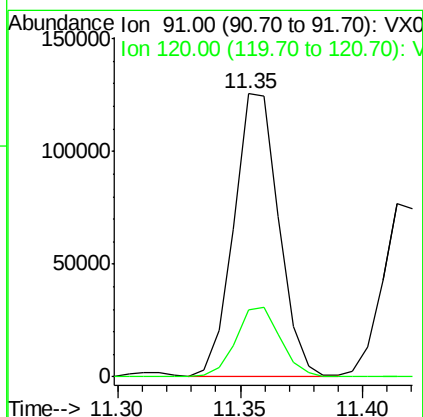
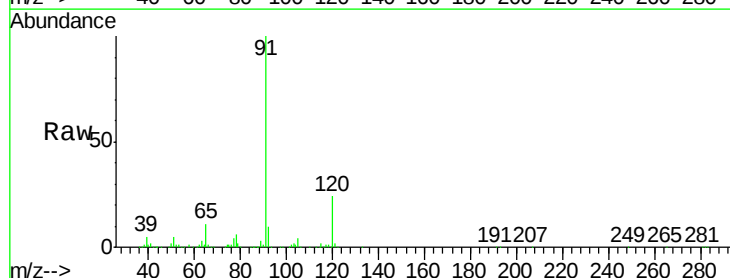
RT: 11.35 min Scan# 1673

Delta R.T. -0.01 min

Lab File: VX011475.D

Acq: 12 Aug 2019 11:58

Tgt Ion:	91	Resp:	159097
Ion Ratio	Lower	Upper	
91	100		
120	24.5	12.4	37.0





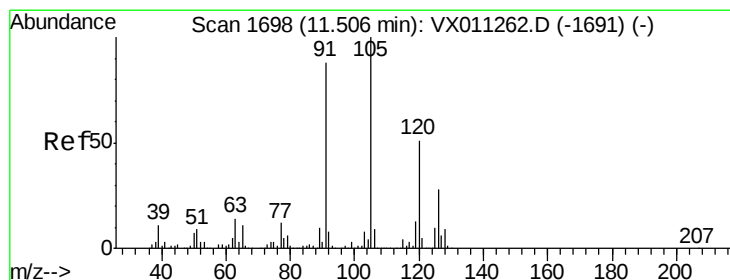
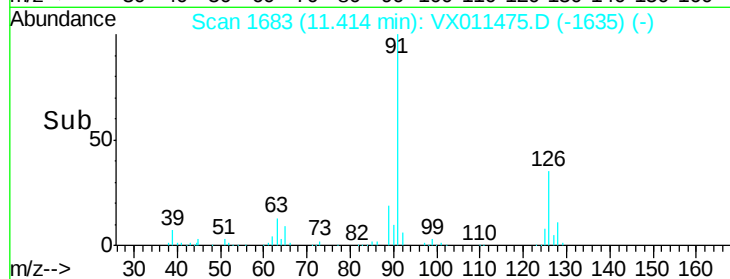
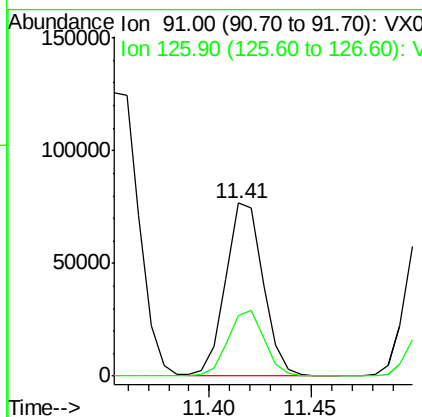
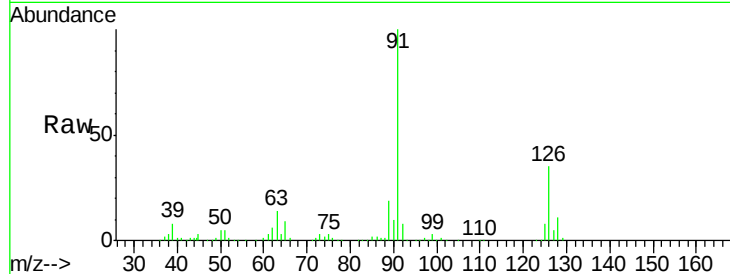
#79
2-Chlorotoluene
Concen: 19.119 ug/l
RT: 11.41 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VX011475.D
Acq: 12 Aug 2019 11:58

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Tot Ion: 91 Resp: 97262
Ion Ratio Lower Upper
91 100
126 37.2 18.5 55.5

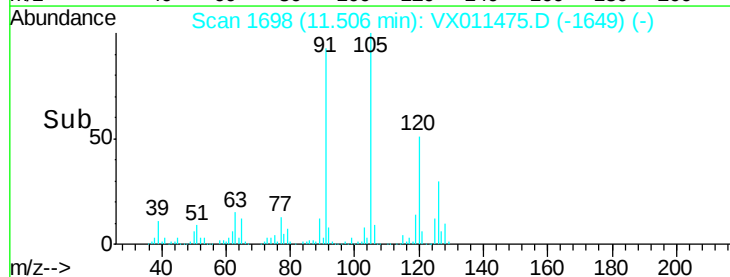
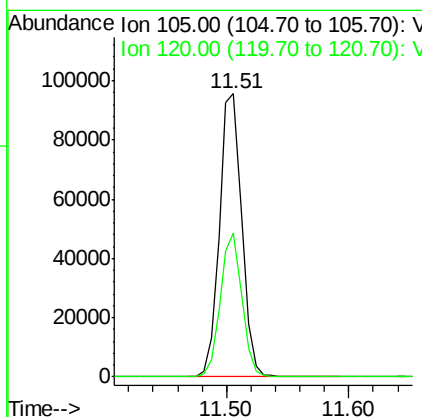
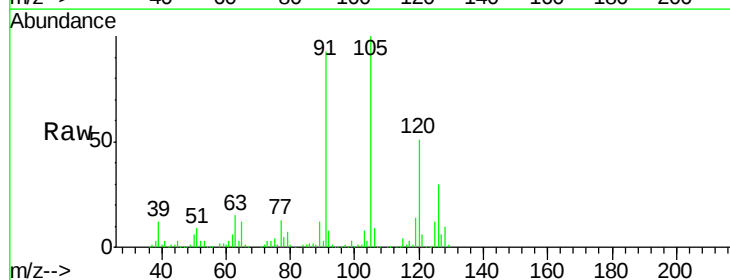
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#80
1,3,5-Trimethylbenzene
Concen: 18.944 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX011475.D
Acq: 12 Aug 2019 11:58

Tgt Ion: 105 Resp: 121710
Ion Ratio Lower Upper
105 100
120 49.0 25.1 75.2





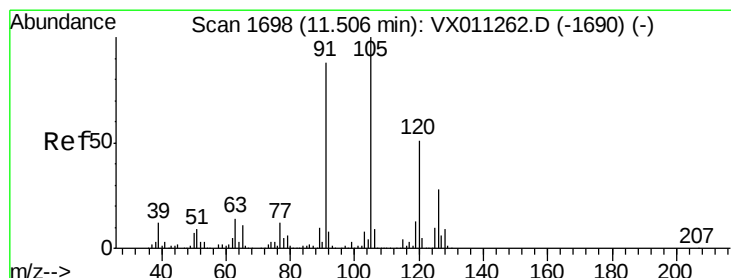
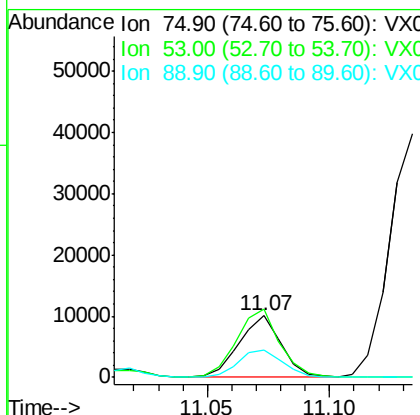
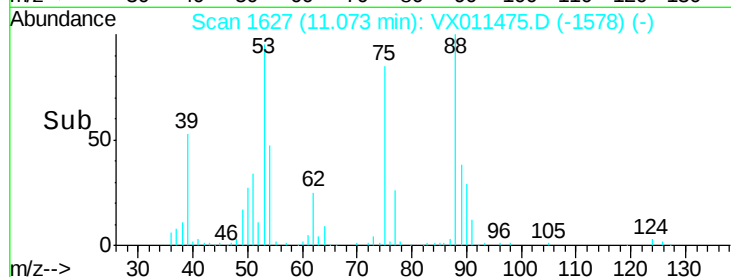
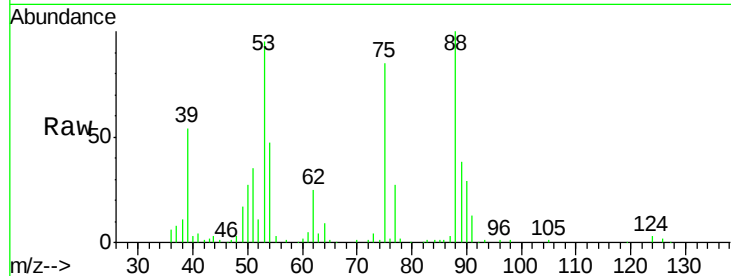
#81
trans-1,4-Dichloro-2-butene
Concen: 18.590 ug/l
RT: 11.07 min Scan# 1627
Delta R.T. 0.00 min
Lab File: VX011475.D
Acq: 12 Aug 2019 11:58

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	113.4	78.2	117.4
89	48.1	37.9	56.9

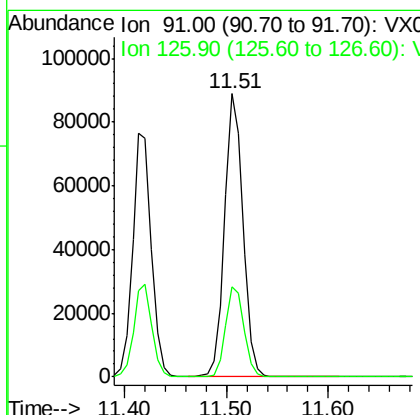
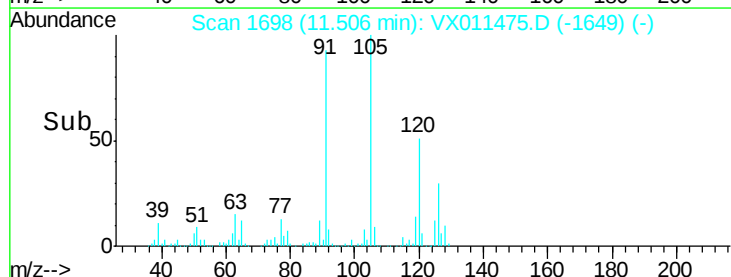
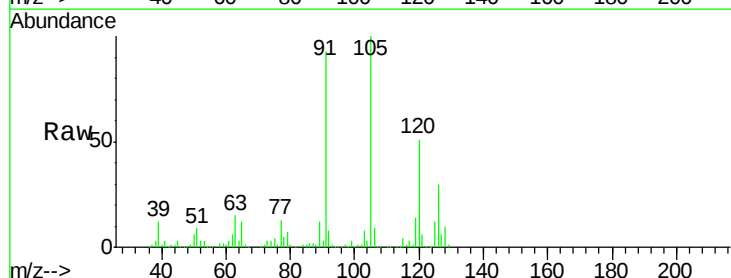
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#82
4-Chlorotoluene
Concen: 18.857 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. 0.00 min
Lab File: VX011475.D
Acq: 12 Aug 2019 11:58

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.7	16.4	49.2





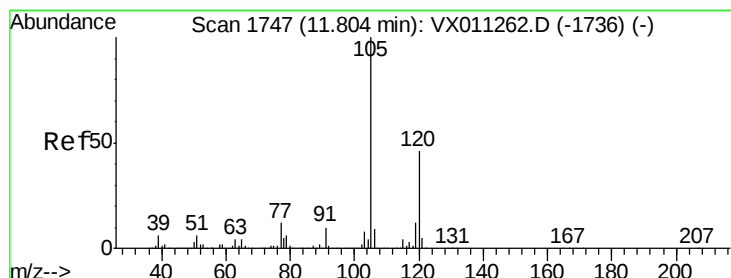
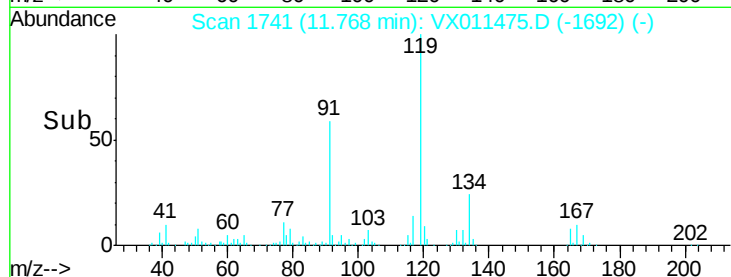
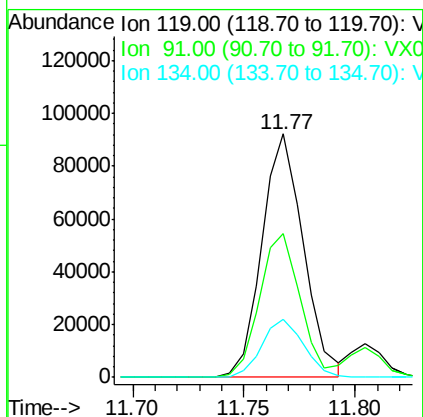
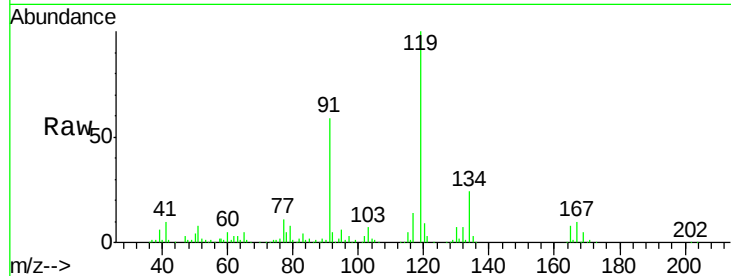
#83
 tert-Butylbenzene
 Concen: 18.928 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX011475.D
 Acq: 12 Aug 2019 11:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0812WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	119270		
91	59.2		28.0	84.0
134	24.0		11.9	35.5

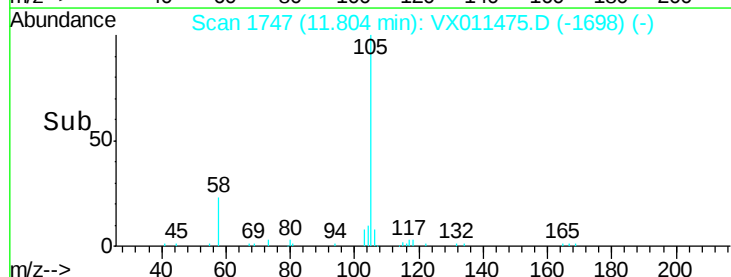
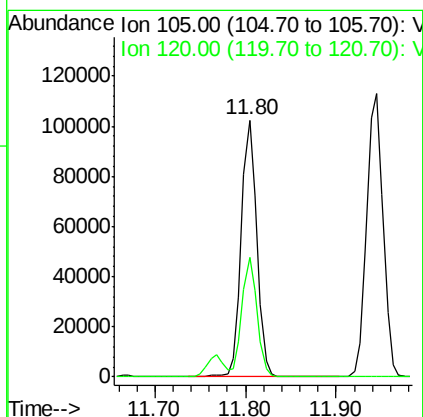
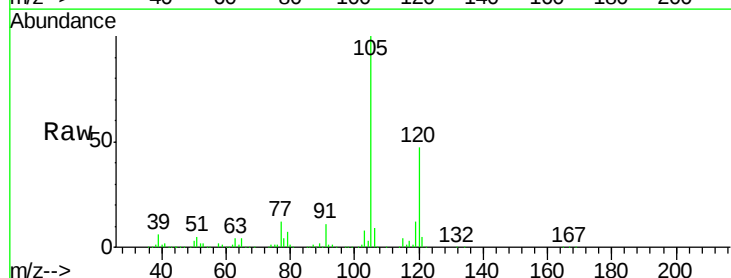
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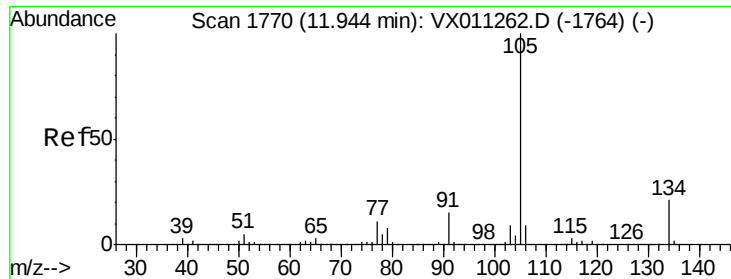
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.229 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX011475.D
 Acq: 12 Aug 2019 11:58

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	123002		
120	45.5		23.0	69.0





#85

sec-Butylbenzene

Concen: 18.704 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX011475.D

Acq: 12 Aug 2019 11:58

Instrument :

MSVOA_X

ClientSampleId :

VX0812WBS01

Tot Ion:105 Resp: 141603

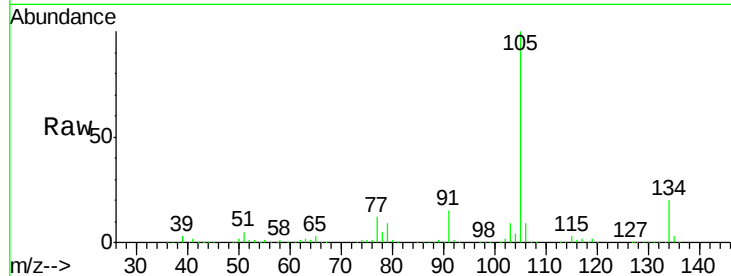
Ion Ratio Lower Upper

105 100

134 20.2 10.4 31.4

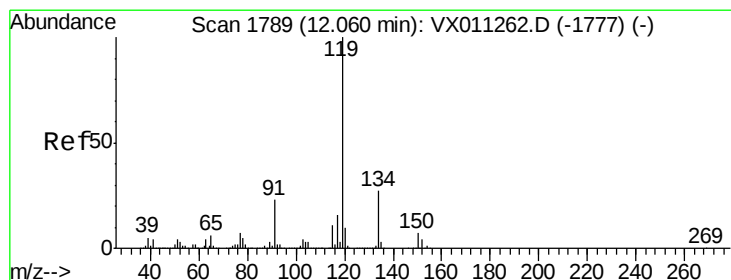
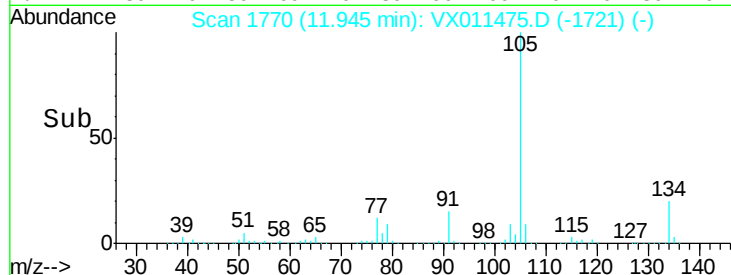
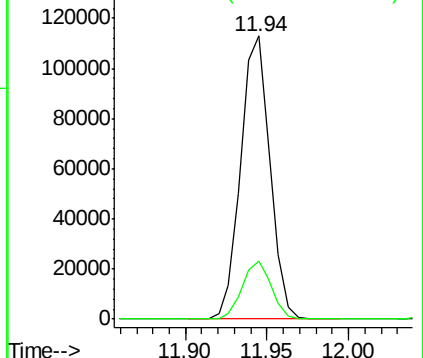
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 18.826 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX011475.D

Acq: 12 Aug 2019 11:58

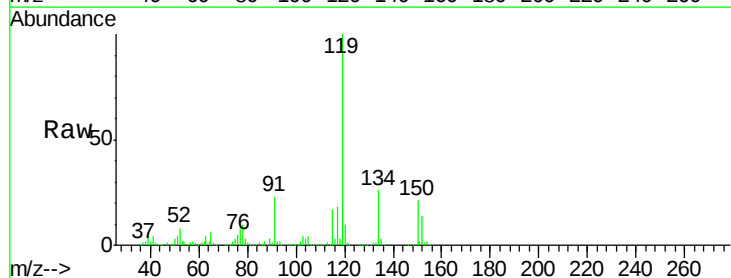
Tgt Ion:119 Resp: 131122

Ion Ratio Lower Upper

119 100

134 26.8 13.7 41.0

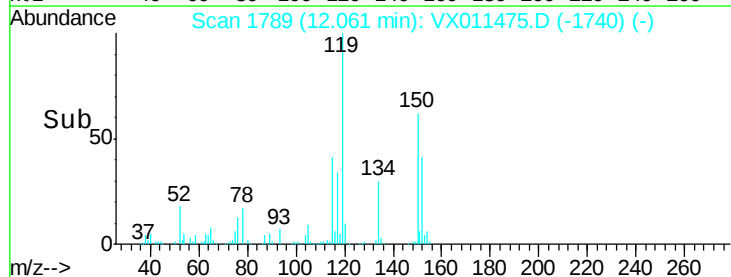
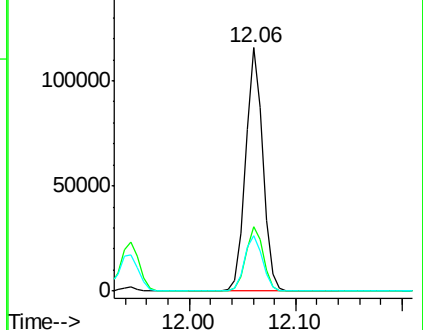
91 24.0 11.4 34.2

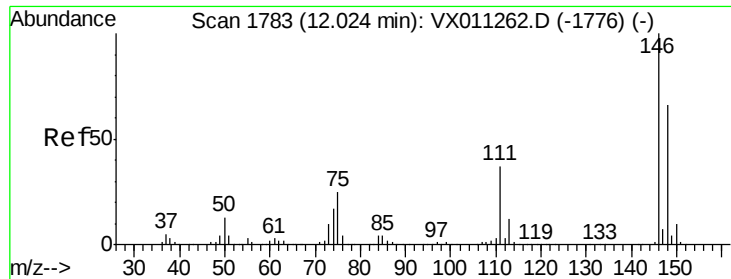


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





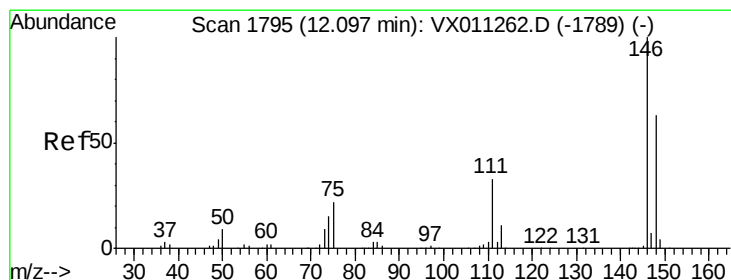
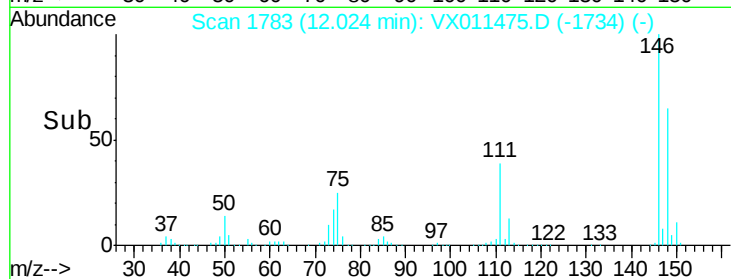
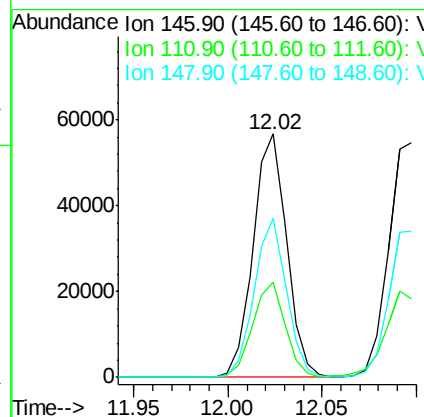
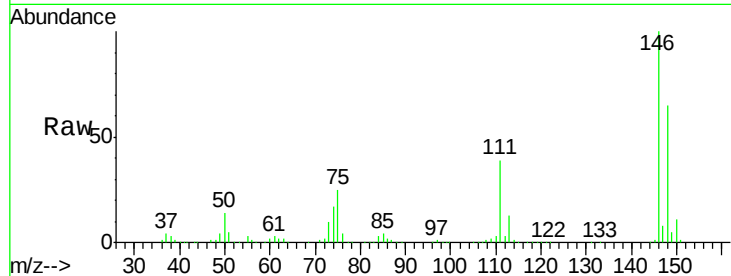
#87
 1,3-Dichlorobenzene
 Concen: 18.591 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX011475.D
 Acq: 12 Aug 2019 11:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0812WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	18.6	55.8
148	62.9	32.5	97.5

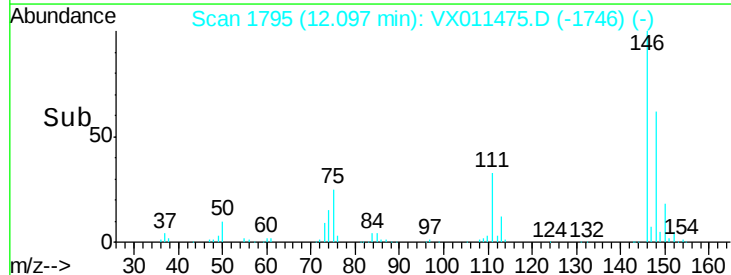
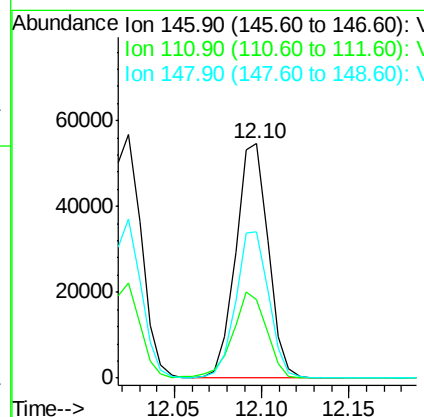
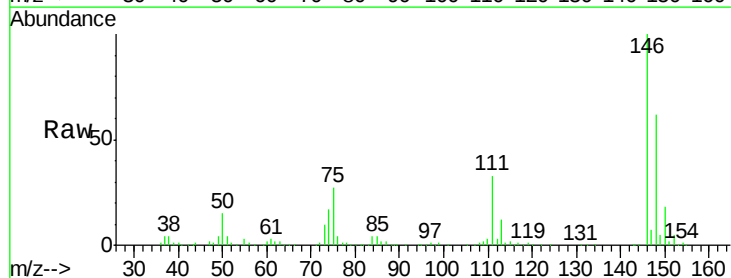
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#88
 1,4-Dichlorobenzene
 Concen: 18.179 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX011475.D
 Acq: 12 Aug 2019 11:58

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	17.8	53.4
148	63.3	31.8	95.3





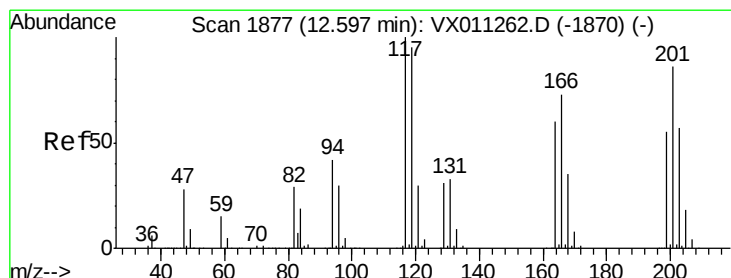
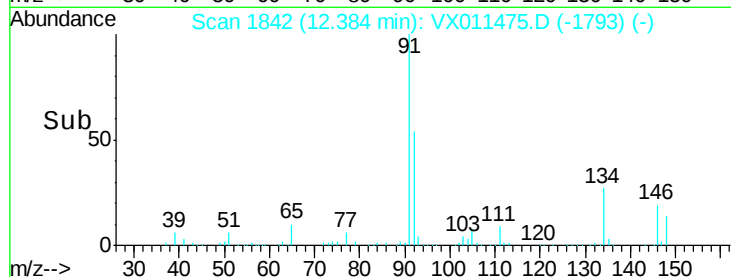
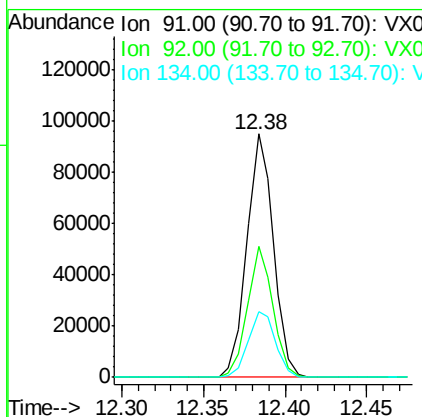
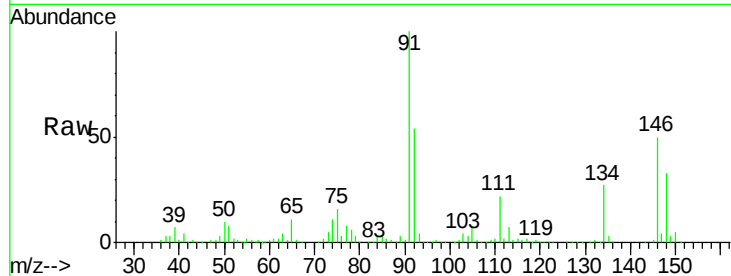
#89
n-Butylbenzene
Concen: 18.054 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX011475.D
Acq: 12 Aug 2019 11:58

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.7	25.8	77.3
134	27.7	13.7	41.0

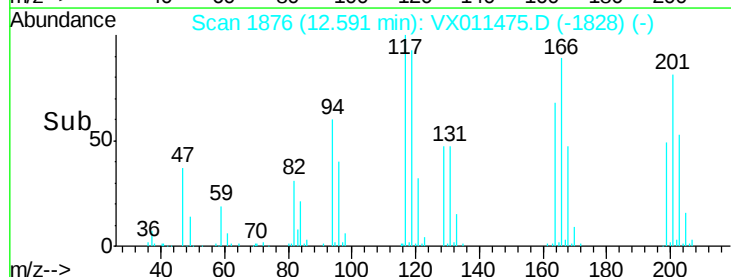
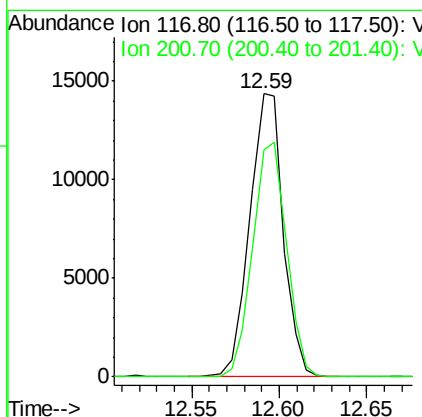
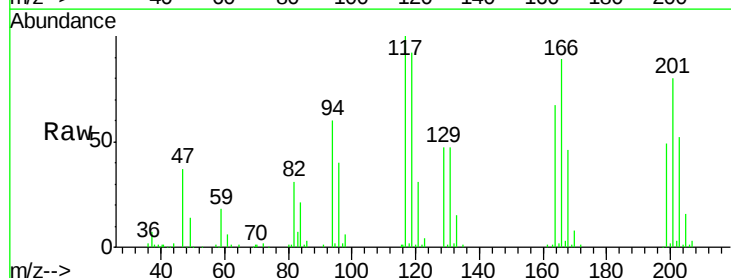
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#90
Hexachloroethane
Concen: 18.589 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX011475.D
Acq: 12 Aug 2019 11:58

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.8	41.8	125.4





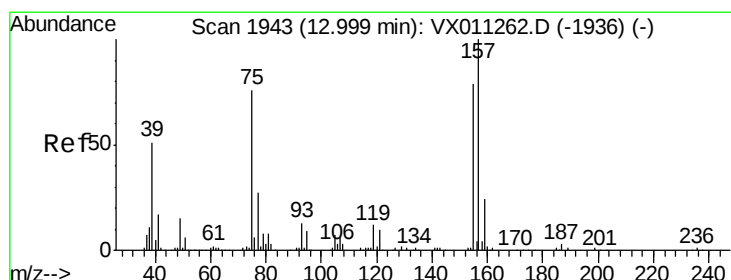
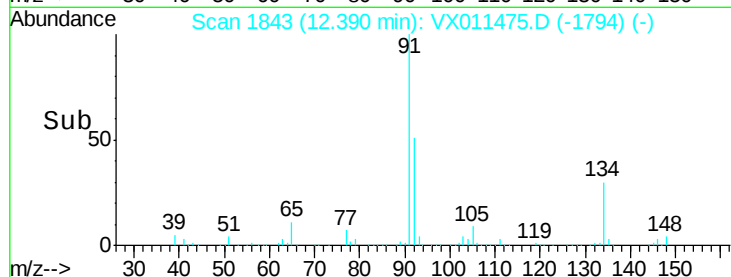
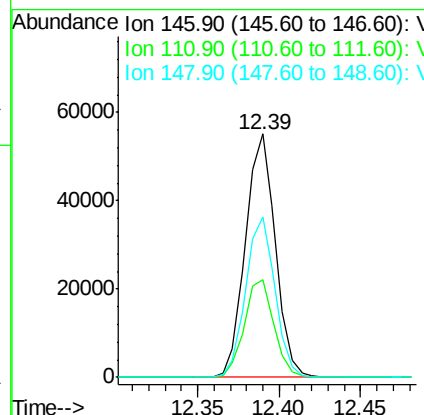
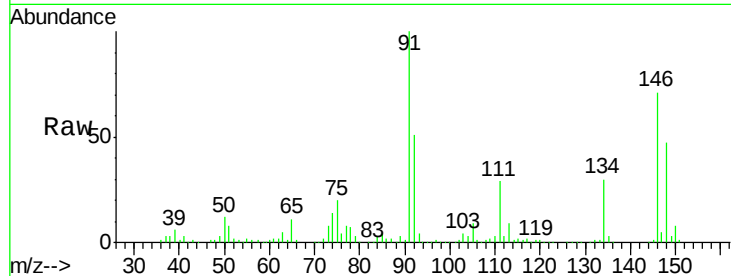
#91
 1,2-Dichlorobenzene
 Concen: 18.665 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX011475.D
 Acq: 12 Aug 2019 11:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0812WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.1	57.1
148	64.7	32.3	96.8

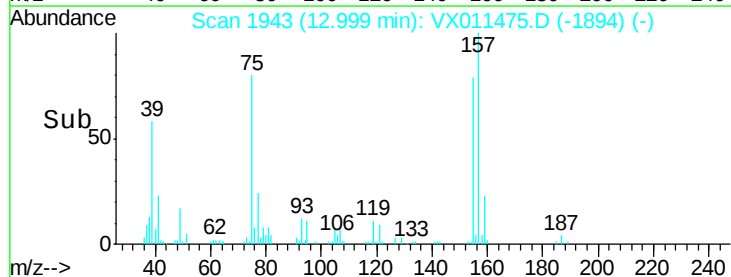
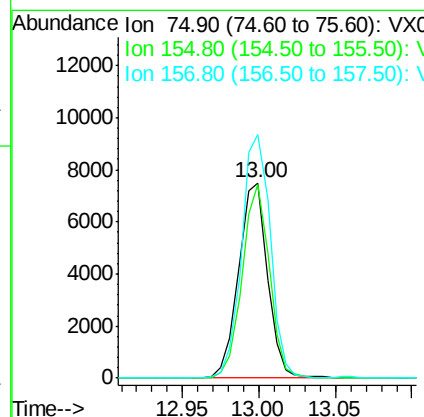
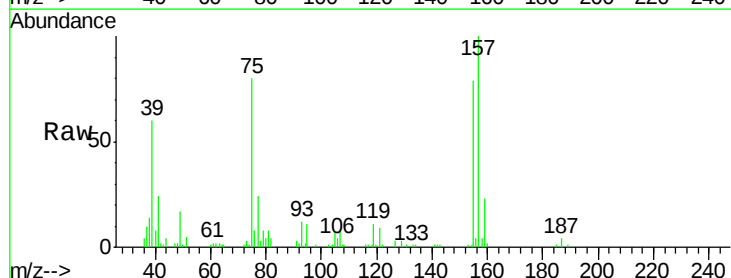
Manual Integrations
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.902 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX011475.D
 Acq: 12 Aug 2019 11:58

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.6	51.9	155.8
157	123.1	64.3	192.7





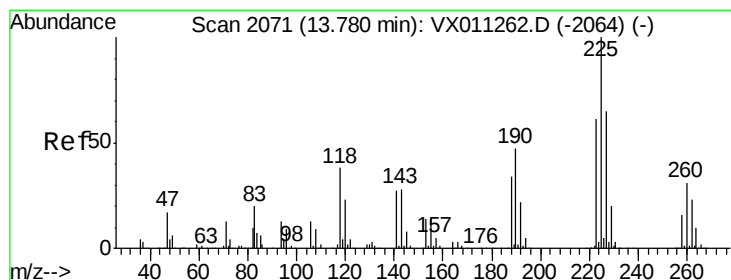
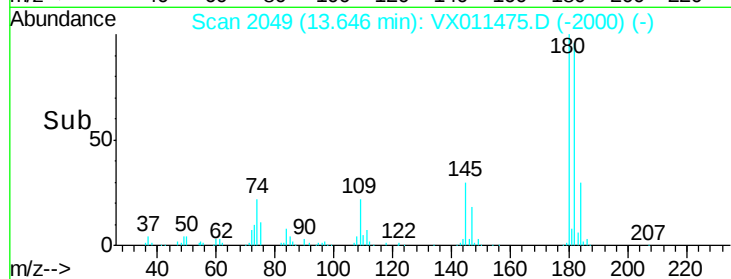
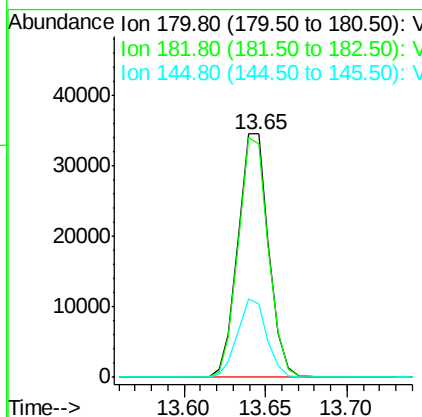
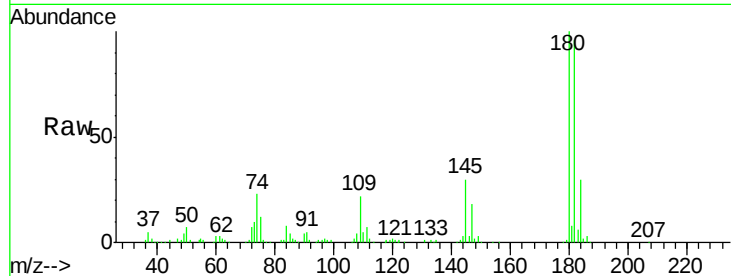
#93
 1,2,4-Trichlorobenzene
 Concen: 18.047 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX011475.D
 Acq: 12 Aug 2019 11:58

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0812WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	45221		
182	96.9		47.8	143.4
145	30.8		14.8	44.3

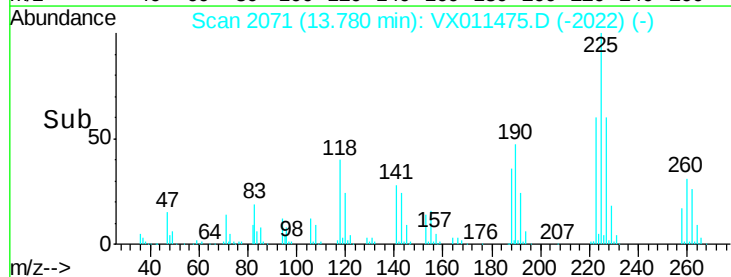
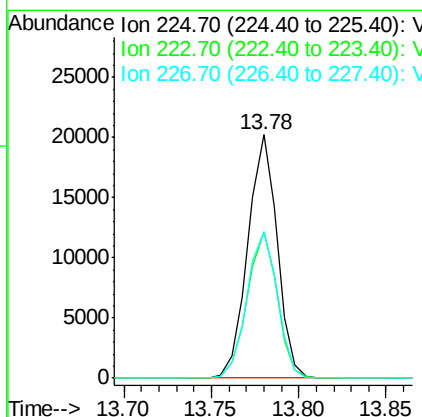
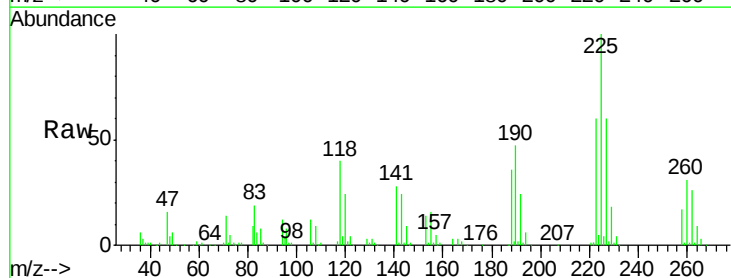
Manual Integrations
 APPROVED

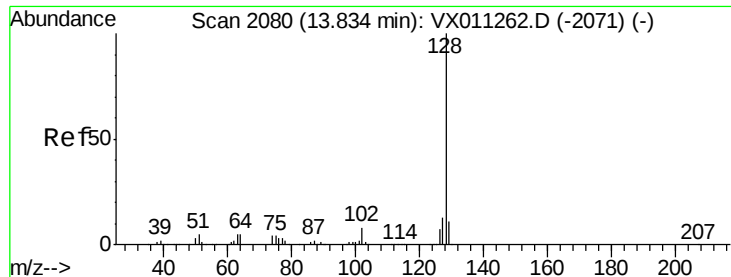
MMDadoda
 8/14/2019 9:13:50 AM



#94
 Hexachlorobutadiene
 Concen: 18.672 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VX011475.D
 Acq: 12 Aug 2019 11:58

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	23737		
223	61.1		31.0	93.0
227	62.4		32.2	96.6





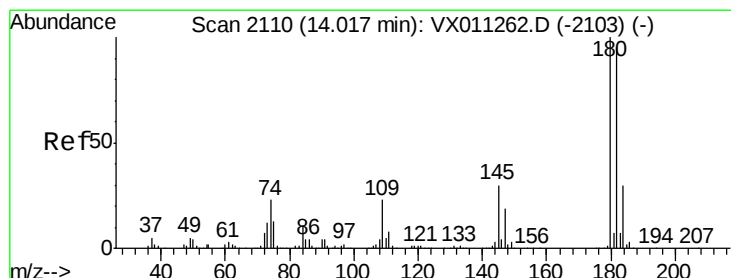
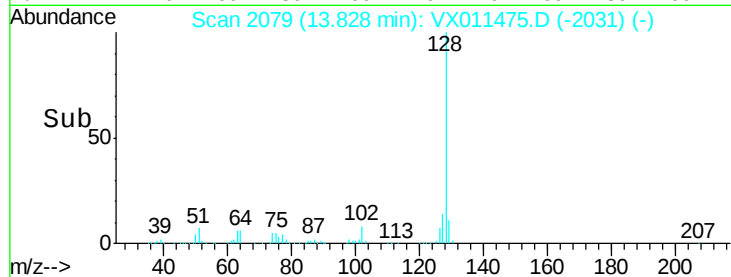
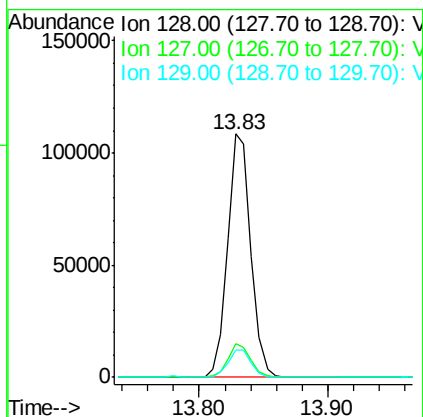
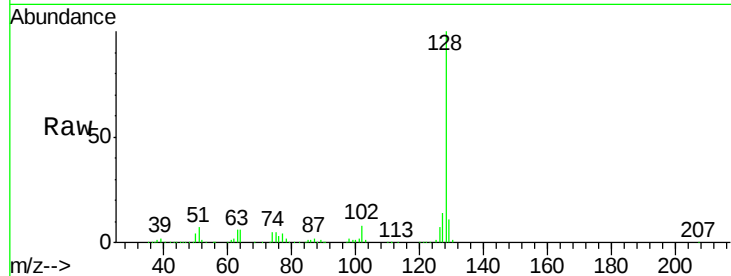
#95
Naphthalene
Concen: 18.755 ug/l
RT: 13.83 min Scan# 2079
Delta R.T. -0.01 min
Lab File: VX011475.D
Acq: 12 Aug 2019 11:58

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	137434		
127	13.6		10.4	15.6
129	11.3		8.9	13.3

Manual Integrations
APPROVED

MMDadoda
8/14/2019 9:13:50 AM



#96
1,2,3-Trichlorobenzene
Concen: 18.604 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX011475.D
Acq: 12 Aug 2019 11:58

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	47392		
182	94.4		47.4	142.3
145	29.8		15.2	45.6

