

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011421\
 Data File : VX020618.D
 Acq On : 14 Jan 2021 17:22
 Operator : JC/MD
 Sample : PB134118ZHE#07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB134118ZHE#07

Quant Time: Jan 15 05:11:58 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X011121W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 11 15:05:37 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

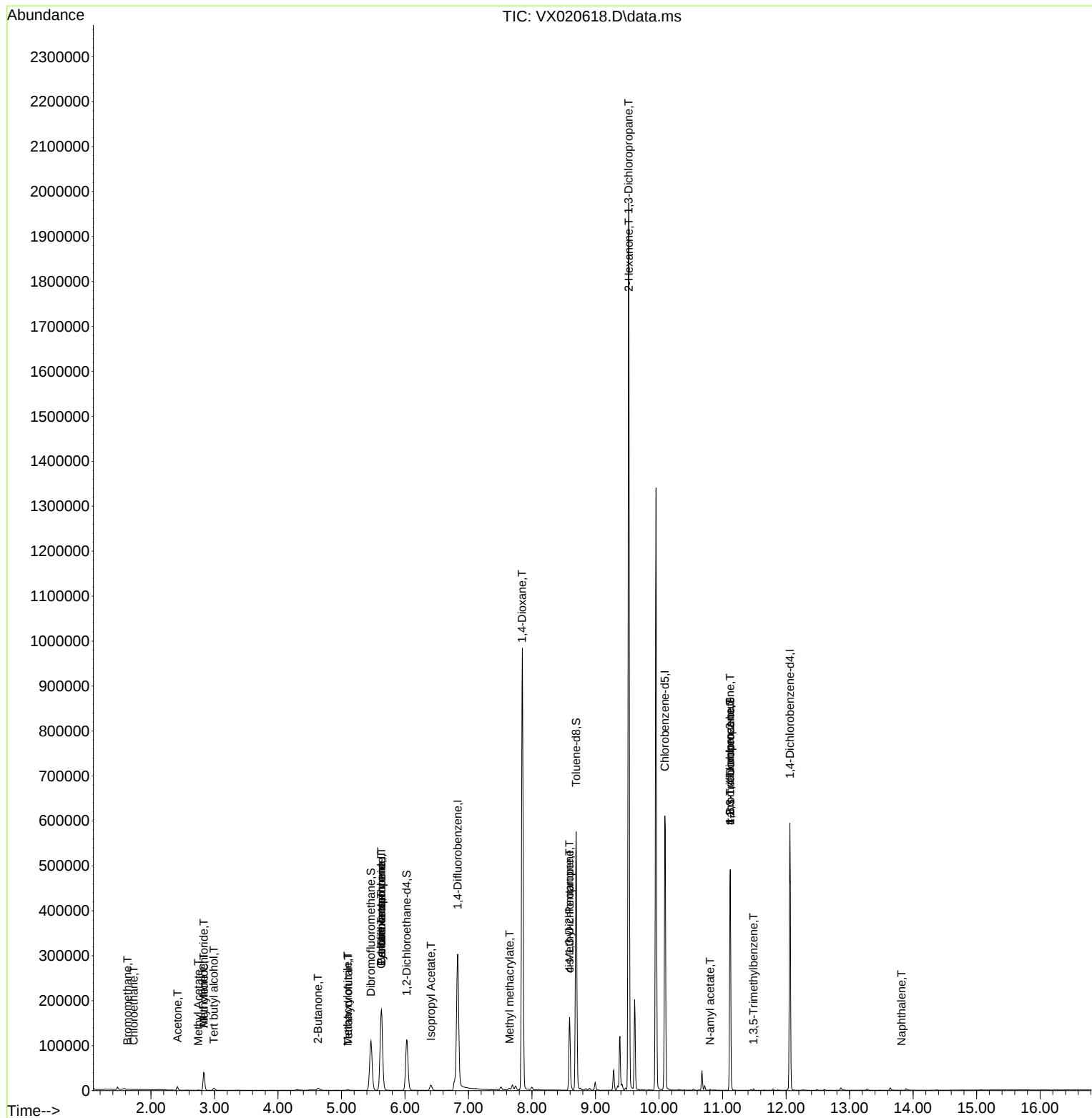
Internal Standards						
1) Pentafluorobenzene	5.629	168	180282	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.830	114	307167	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.092	117	299841	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	131339	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.025	65	109453	50.55	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	101.10%
35) Dibromofluoromethane	5.464	113	95291	44.77	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	89.54%
50) Toluene-d8	8.696	98	356611	46.83	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	93.66%
62) 4-Bromofluorobenzene	11.122	95	135891	50.53	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	101.06%
Target Compounds						
					Qvalue	
5) Bromomethane	1.630	94	307	0.24	ug/l	87
6) Chloroethane	1.727	64	79	0.48	ug/l #	43
11) Tert butyl alcohol	2.989	59	3186	5.81	ug/l #	78
14) Allyl chloride	2.831	41	723	0.30	ug/l #	25
16) Acetone	2.416	43	8320	7.42	ug/l	96
18) Methyl Acetate	2.745	43	1060	0.55	ug/l #	87
20) Methylene Chloride	2.831	84	19850	9.70	ug/l	94
25) 2-Butanone	4.629	43	5879	5.02	ug/l	94
29) Tetrahydrofuran	5.105	42	939	1.32	ug/l #	79
31) Cyclohexane	5.623	56	2837	1.11	ug/l #	1
36) 1,1-Dichloropropene	5.629	75	12218	4.35	ug/l #	49
38) Carbon Tetrachloride	5.629	117	16582	5.06	ug/l #	18
41) Methacrylonitrile	5.099	41	539	0.40	ug/l #	34
43) Isopropyl Acetate	6.409	43	14834	3.75	ug/l	97
48) Methyl methacrylate	7.647	41	4695	2.44	ug/l #	10
49) 1,4-Dioxane	7.842	88	166	3.43	ug/l #	1
51) 4-Methyl-2-Pentanone	8.592	43	46944	19.15	ug/l #	50
54) cis-1,3-Dichloropropene	8.592	75	28938	8.27	ug/l #	55
57) 1,3-Dichloropropane	9.519	76	18582	5.05	ug/l #	43
59) 2-Hexanone	9.525	43	195759	106.53	ug/l #	49
74) N-amyl acetate	10.805	43	852	1.50	ug/l #	43
76) 1,2,3-Trichloropropane	11.122	75	62869	22.72	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.488	105	1566	0.21	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.122	75	62869	61.91	ug/l #	12
95) Naphthalene	13.817	128	131	3.86	ug/l #	69

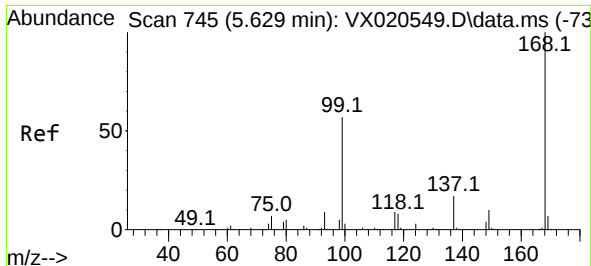
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 15 05:11:58 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X011121W.M
Quant Title : SW846 8260
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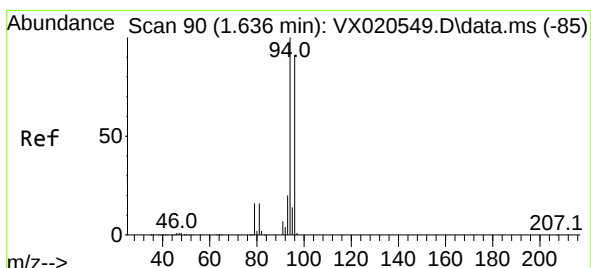
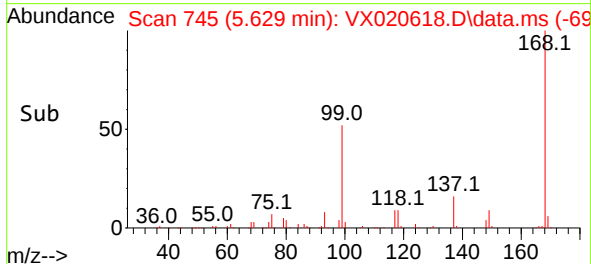
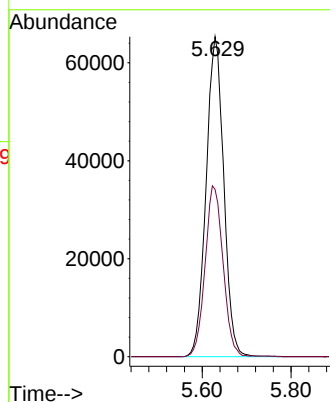
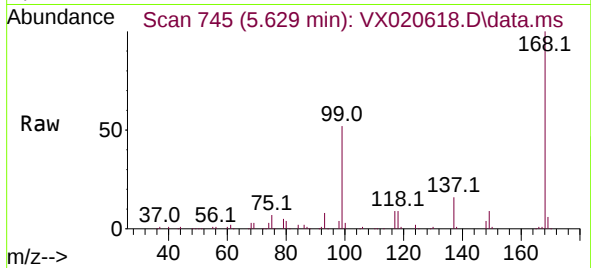




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 745
Delta R.T. 0.000 min
Lab File: VX020618.D
Acq: 14 Jan 2021 17:22

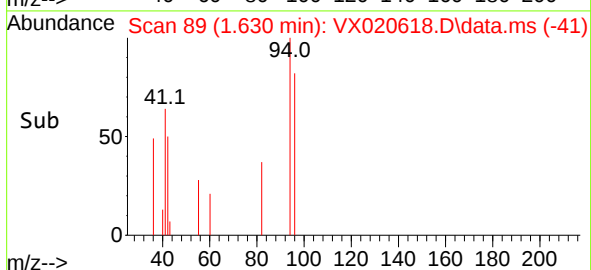
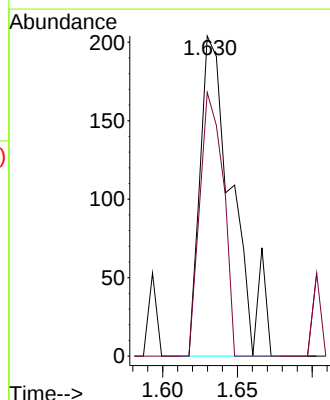
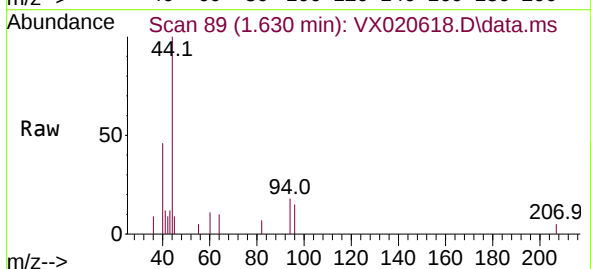
Instrument :
MSVOA_X
ClientSampleId :
PB134118ZHE#07

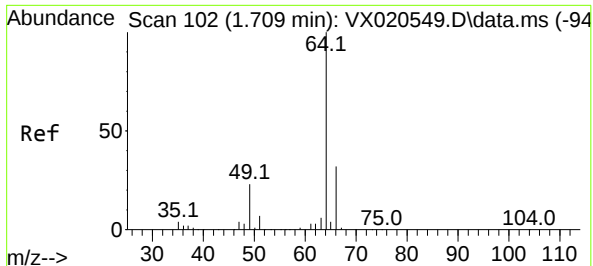
Tgt Ion:168 Resp: 180282
Ion Ratio Lower Upper
168 100
99 52.3 45.8 68.6



#5
Bromomethane
Concen: 0.24 ug/l
RT: 1.630 min Scan# 89
Delta R.T. -0.006 min
Lab File: VX020618.D
Acq: 14 Jan 2021 17:22

Tgt Ion: 94 Resp: 307
Ion Ratio Lower Upper
94 100
96 82.4 76.4 114.6

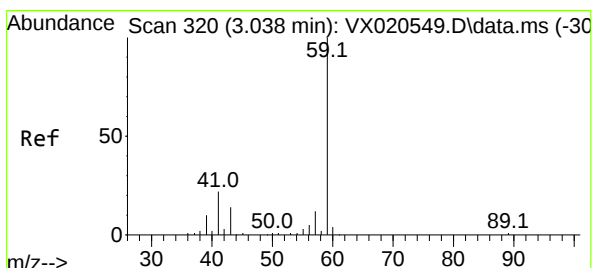
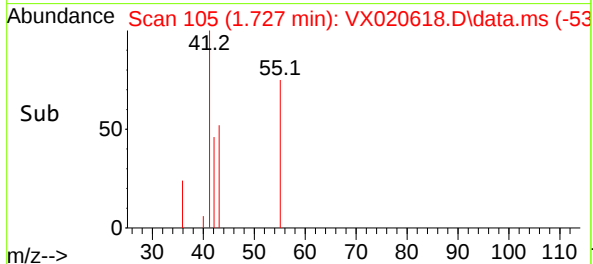
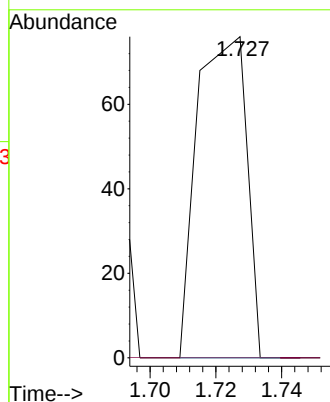
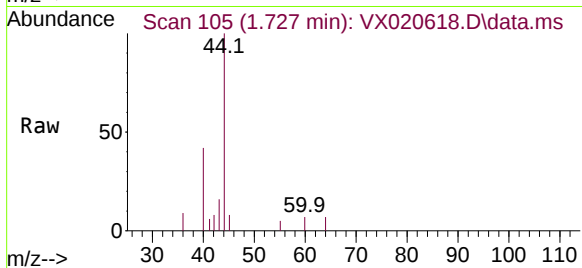




#6
Chloroethane
Concen: 0.48 ug/l
RT: 1.727 min Scan# 105
Delta R.T. 0.018 min
Lab File: VX020618.D
Acq: 14 Jan 2021 17:22

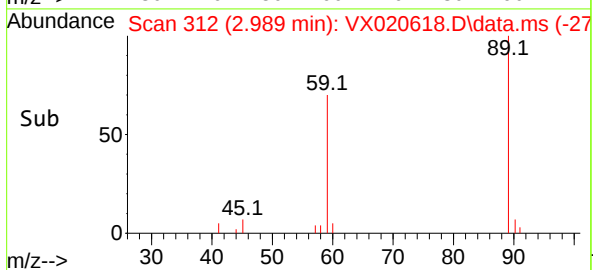
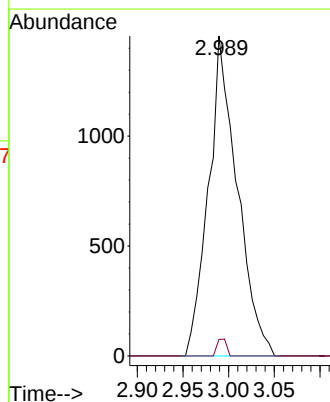
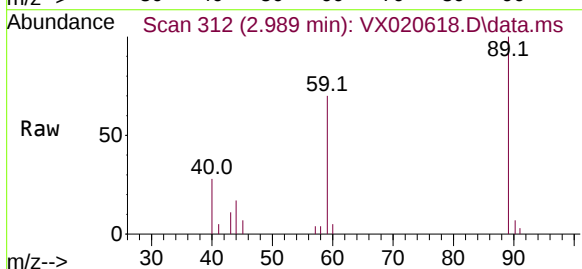
Instrument :
MSVOA_X
ClientSampleId :
PB134118ZHE#07

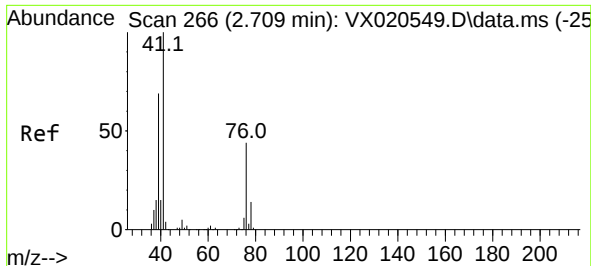
Tgt Ion: 64 Resp: 79
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#11
Tert butyl alcohol
Concen: 5.81 ug/l
RT: 2.989 min Scan# 312
Delta R.T. -0.049 min
Lab File: VX020618.D
Acq: 14 Jan 2021 17:22

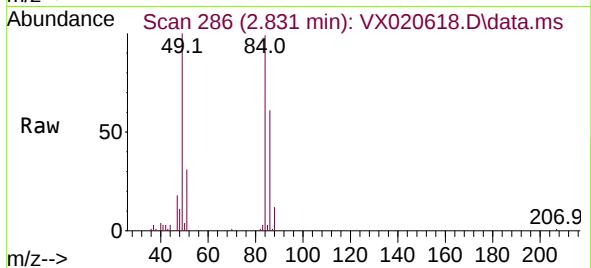
Tgt Ion: 59 Resp: 3186
Ion Ratio Lower Upper
59 100
57 1.8 7.8 11.8#



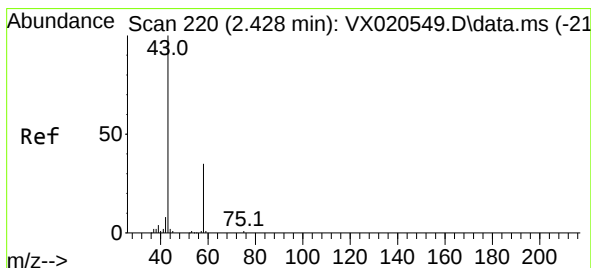
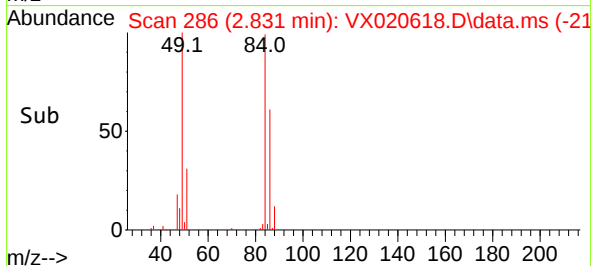
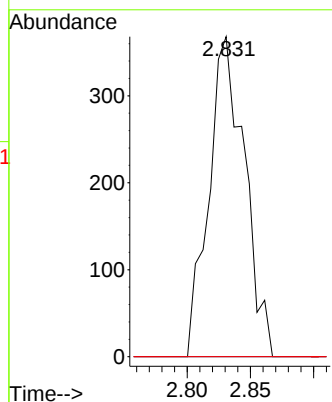


#14
 Allyl chloride
 Concen: 0.30 ug/l
 RT: 2.831 min Scan# 286
 Delta R.T. 0.122 min
 Lab File: VX020618.D
 Acq: 14 Jan 2021 17:22

Instrument :
 MSVOA_X
 ClientSampleId :
 PB134118ZHE#07

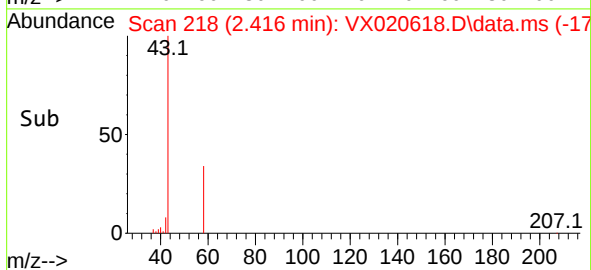
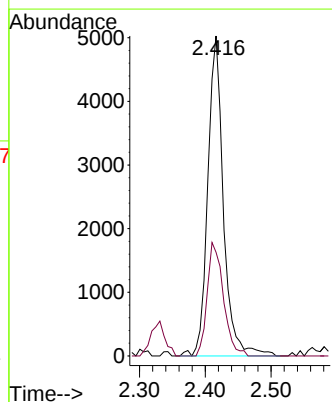
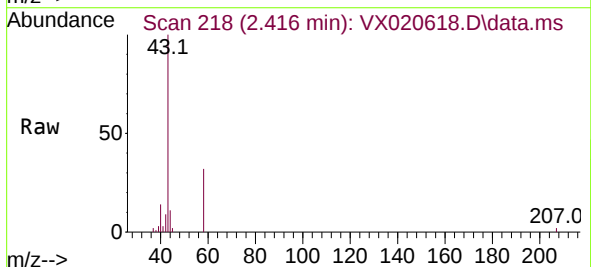


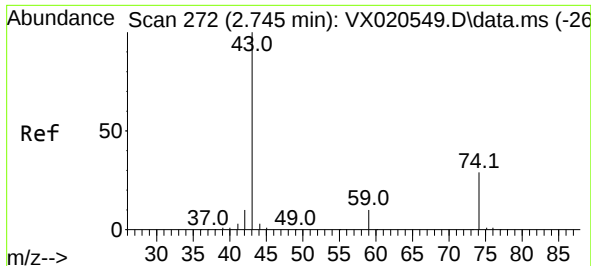
Tgt Ion: 41 Resp: 723
 Ion Ratio Lower Upper
 41 100
 39 0.0 51.6 77.4#
 76 0.0 30.5 45.7#



#16
 Acetone
 Concen: 7.42 ug/l
 RT: 2.416 min Scan# 218
 Delta R.T. -0.012 min
 Lab File: VX020618.D
 Acq: 14 Jan 2021 17:22

Tgt Ion: 43 Resp: 8320
 Ion Ratio Lower Upper
 43 100
 58 32.4 27.8 41.8

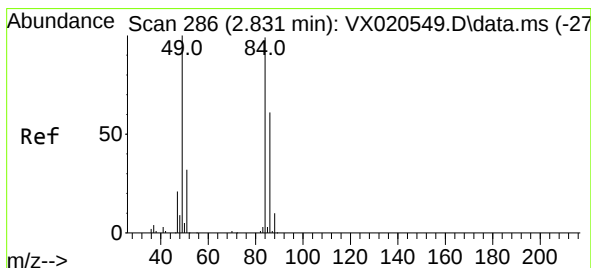
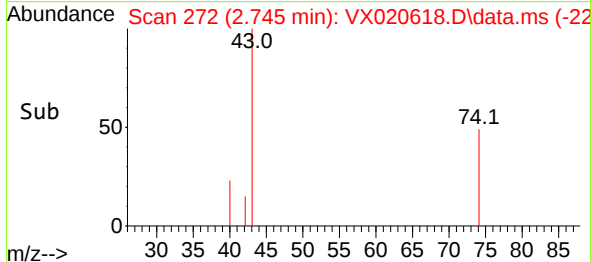
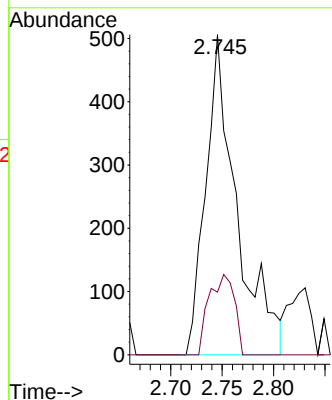
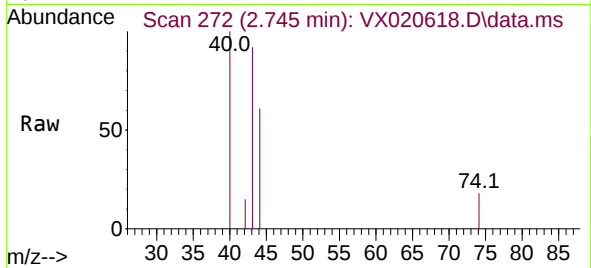




#18
Methyl Acetate
Concen: 0.55 ug/l
RT: 2.745 min Scan# 272
Delta R.T. 0.000 min
Lab File: VX020618.D
Acq: 14 Jan 2021 17:22

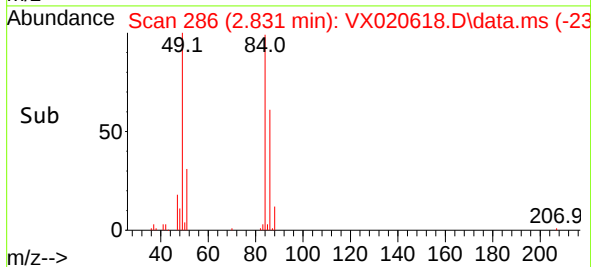
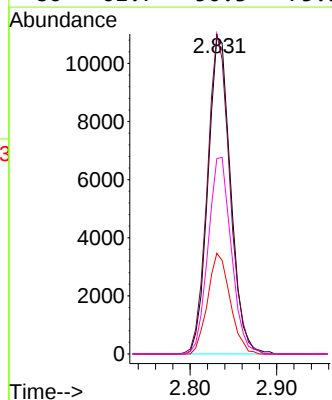
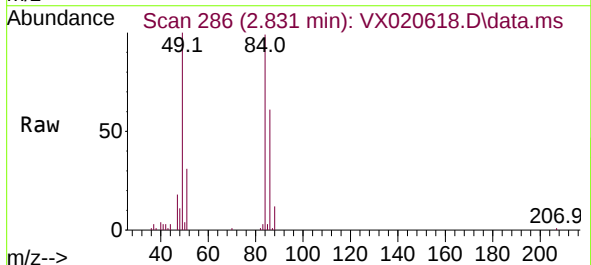
Instrument :
MSVOA_X
ClientSampleId :
PB134118ZHE#07

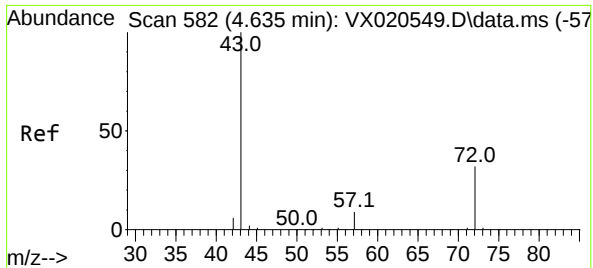
Tgt Ion: 43 Resp: 1060
Ion Ratio Lower Upper
43 100
74 20.6 21.9 32.9#



#20
Methylene Chloride
Concen: 9.70 ug/l
RT: 2.831 min Scan# 286
Delta R.T. -0.000 min
Lab File: VX020618.D
Acq: 14 Jan 2021 17:22

Tgt Ion: 84 Resp: 19850
Ion Ratio Lower Upper
84 100
49 101.1 88.6 132.8
51 31.8 27.0 40.6
86 61.7 50.3 75.5

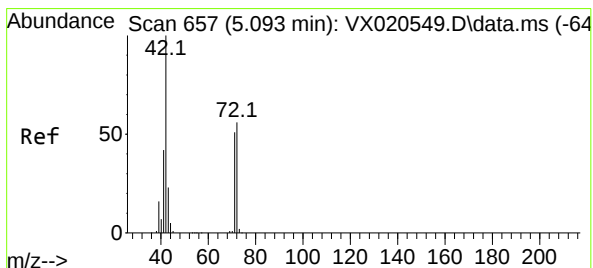
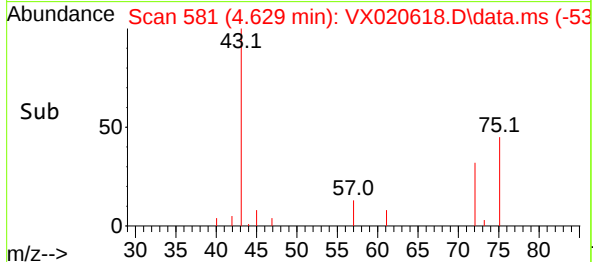
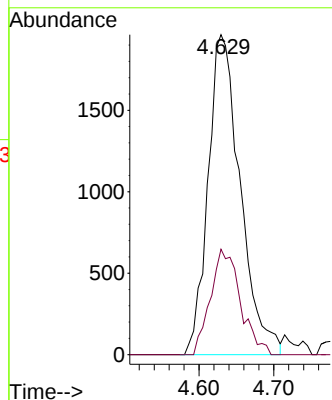
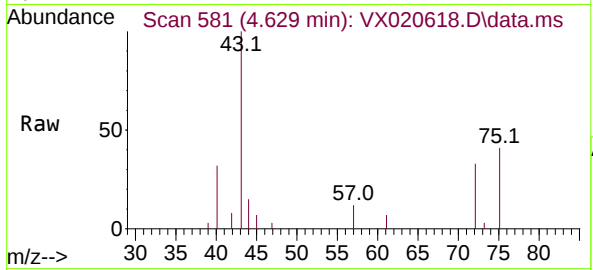




#25
2-Butanone
Concen: 5.02 ug/l
RT: 4.629 min Scan# 581
Delta R.T. -0.006 min
Lab File: VX020618.D
Acq: 14 Jan 2021 17:22

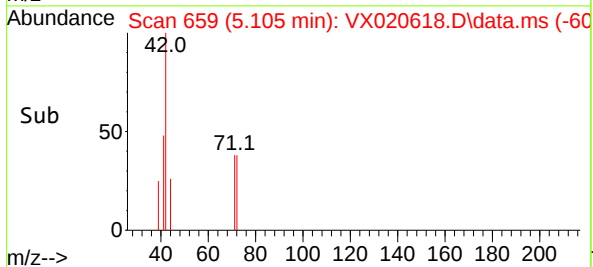
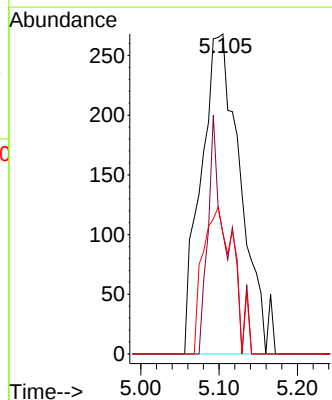
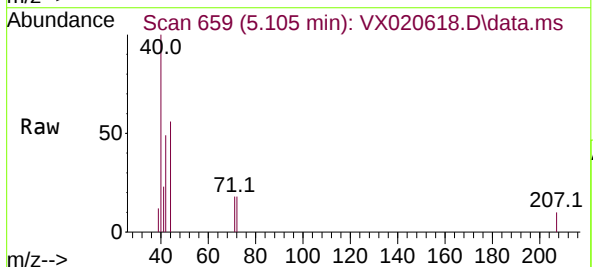
Instrument :
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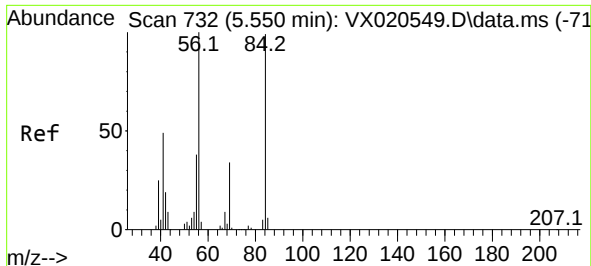
Tgt Ion: 43 Resp: 5879
Ion Ratio Lower Upper
43 100
72 32.9 23.7 35.5



#29
Tetrahydrofuran
Concen: 1.32 ug/l
RT: 5.105 min Scan# 659
Delta R.T. 0.012 min
Lab File: VX020618.D
Acq: 14 Jan 2021 17:22

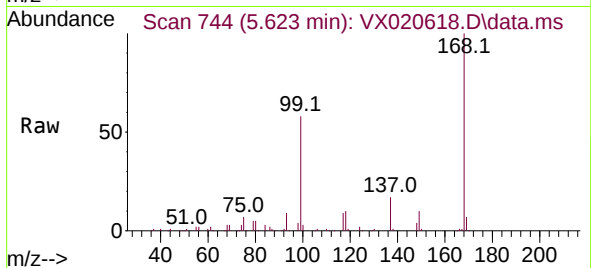
Tgt Ion: 42 Resp: 939
Ion Ratio Lower Upper
42 100
72 35.4 41.7 62.5#
71 36.0 38.4 57.6#



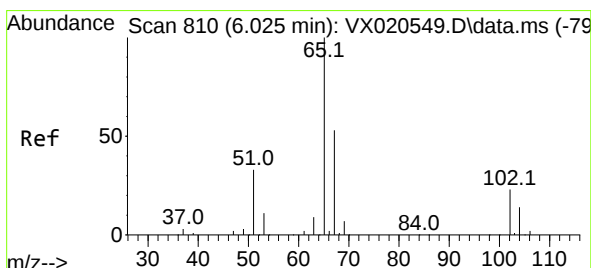
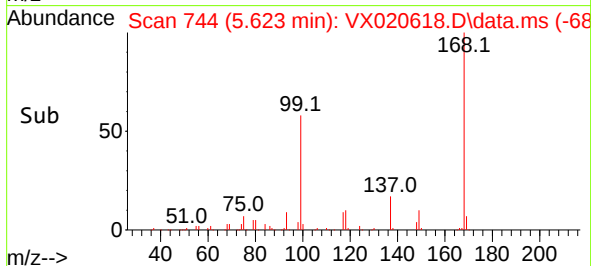
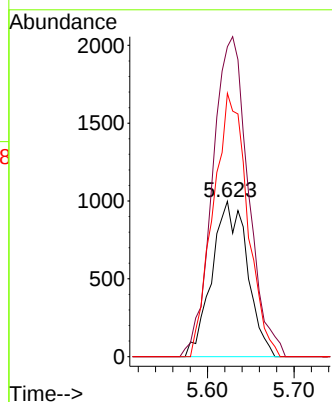


#31
Cyclohexane
Concen: 1.11 ug/l
RT: 5.623 min Scan# 744
Delta R.T. 0.073 min
Lab File: VX020618.D
Acq: 14 Jan 2021 17:22

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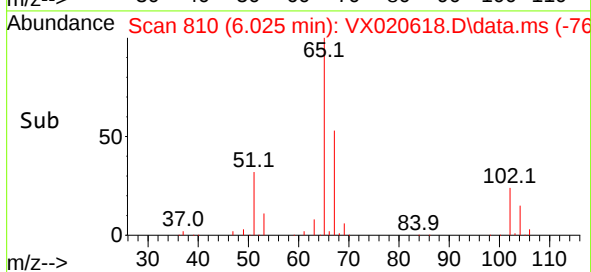
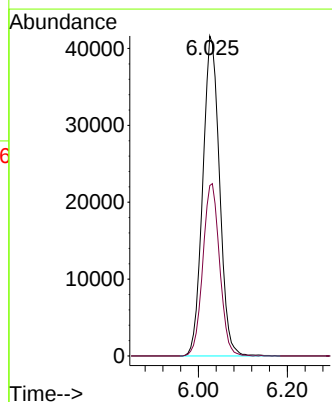
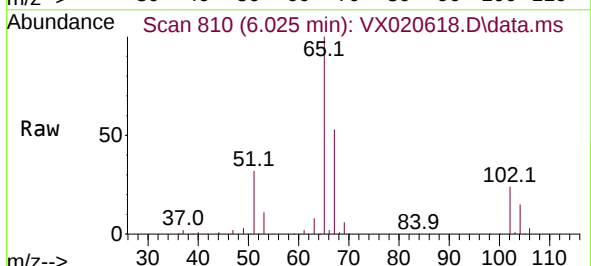


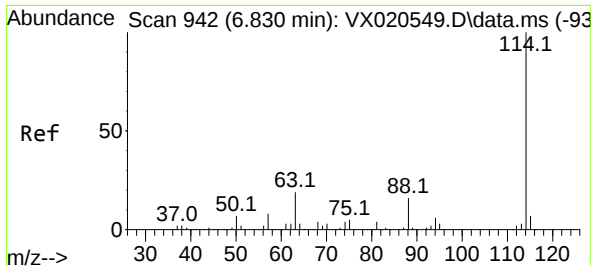
Tgt Ion: 56 Resp: 2837
Ion Ratio Lower Upper
56 100
69 199.5 25.3 37.9#
84 169.5 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 50.55 ug/l
RT: 6.025 min Scan# 810
Delta R.T. 0.000 min
Lab File: VX020618.D
Acq: 14 Jan 2021 17:22

Tgt Ion: 65 Resp: 109453
Ion Ratio Lower Upper
65 100
67 53.8 0.0 105.4

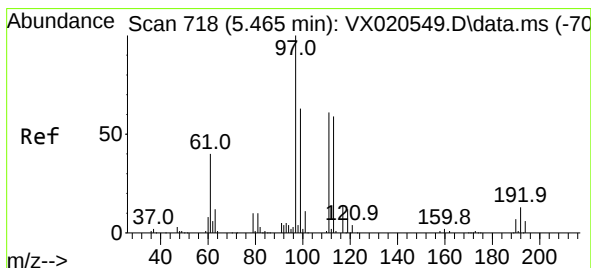
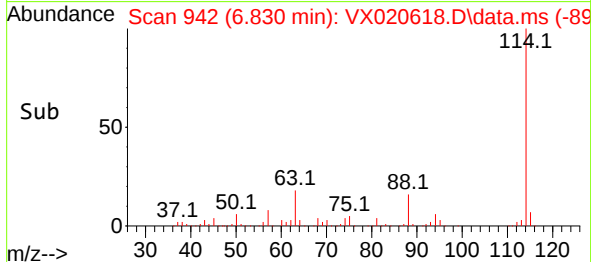
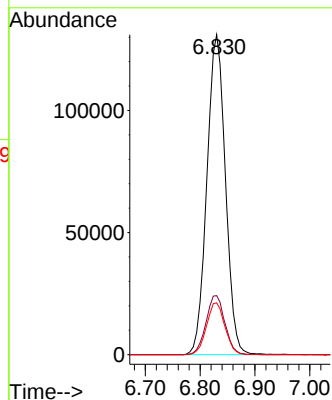
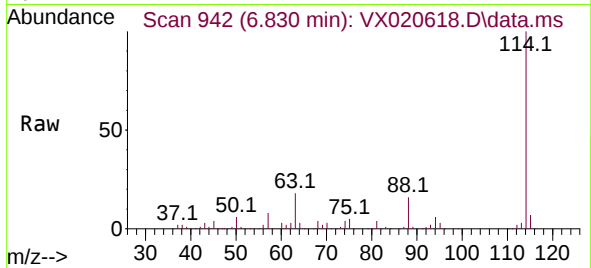




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.830 min Scan# 942
Delta R.T. 0.000 min
Lab File: VX020618.D
Acq: 14 Jan 2021 17:22

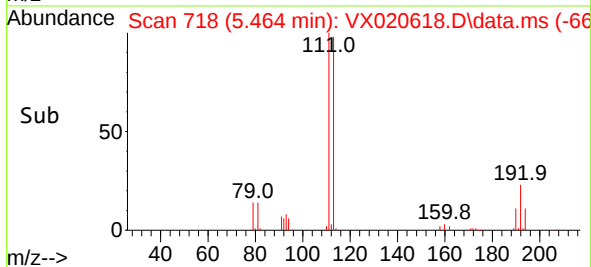
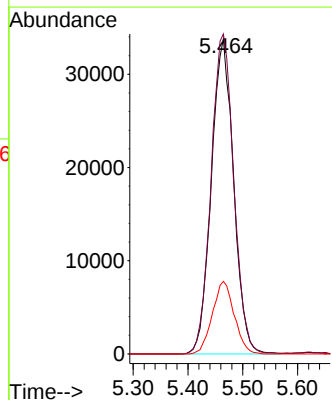
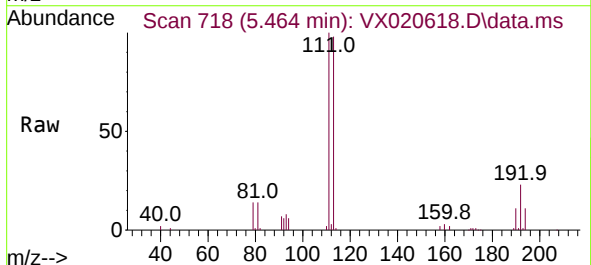
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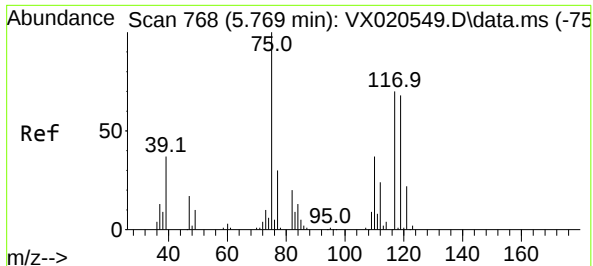
Tgt Ion:114 Resp: 307167
Ion Ratio Lower Upper
114 100
63 18.5 0.0 40.8
88 16.2 0.0 32.8



#35
Dibromofluoromethane
Concen: 44.77 ug/l
RT: 5.464 min Scan# 718
Delta R.T. -0.001 min
Lab File: VX020618.D
Acq: 14 Jan 2021 17:22

Tgt Ion:113 Resp: 95291
Ion Ratio Lower Upper
113 100
111 103.4 81.9 122.9
192 22.6 16.7 25.1





#36

1,1-Dichloropropene

Concen: 4.35 ug/l

RT: 5.629 min Scan# 745

Delta R.T. -0.140 min

Lab File: VX020618.D

Acq: 14 Jan 2021 17:22

Tgt Ion: 75 Resp: 12218

Ion Ratio Lower Upper

75 100

110 9.3 18.1 54.4#

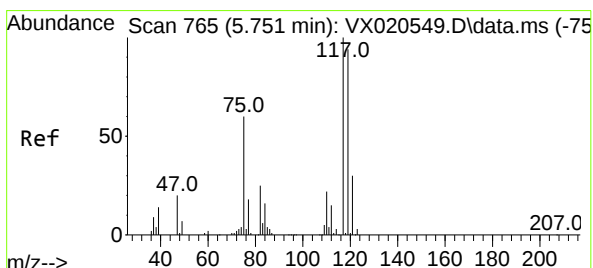
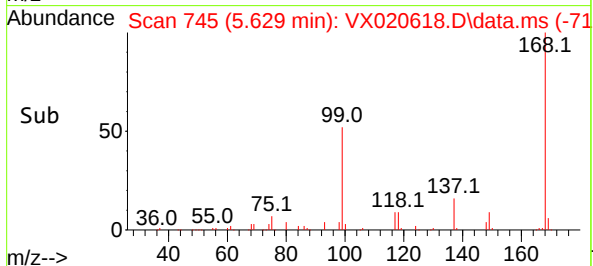
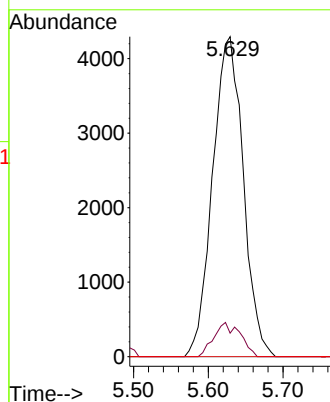
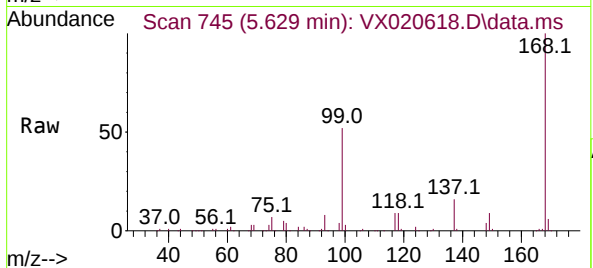
77 0.0 25.3 37.9#

Instrument :

MSVOA_X

ClientSampleId :

PB134118ZHE#07



#38

Carbon Tetrachloride

Concen: 5.06 ug/l

RT: 5.629 min Scan# 745

Delta R.T. -0.122 min

Lab File: VX020618.D

Acq: 14 Jan 2021 17:22

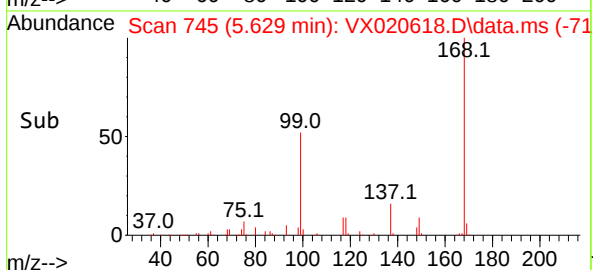
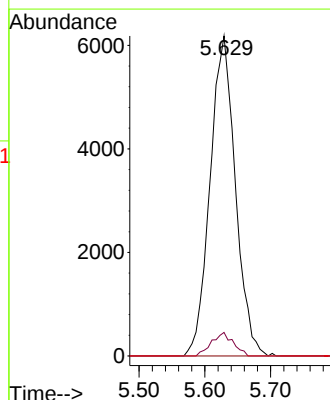
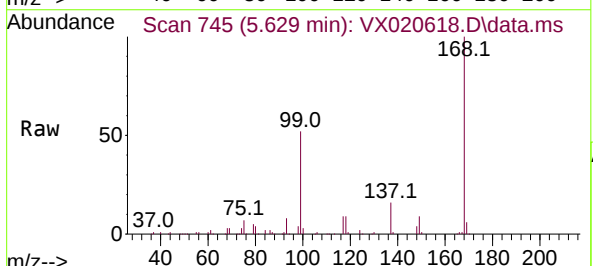
Tgt Ion: 117 Resp: 16582

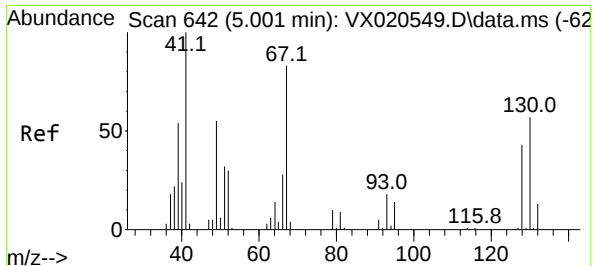
Ion Ratio Lower Upper

117 100

119 7.4 76.2 114.2#

121 0.0 24.8 37.2#

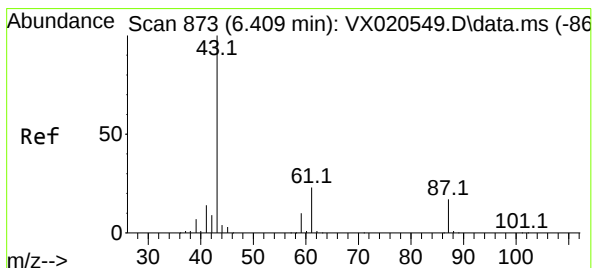
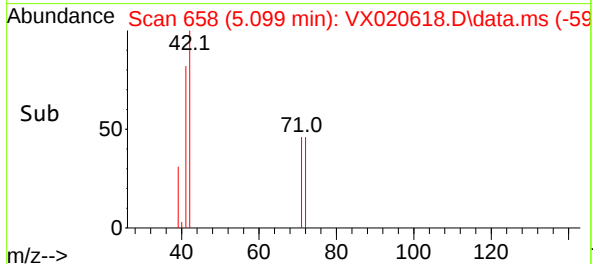
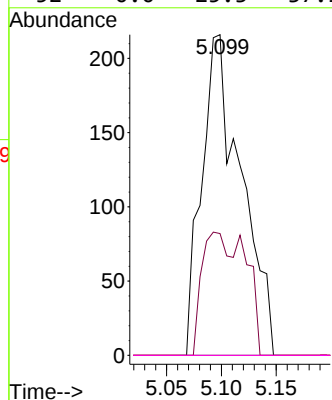
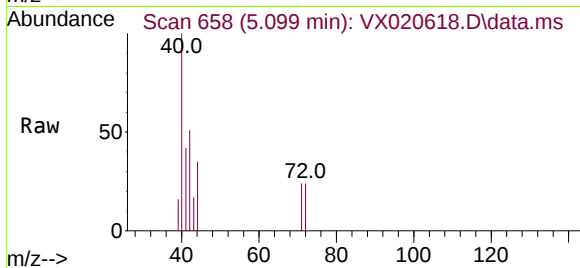




#41
Methacrylonitrile
Concen: 0.40 ug/l
RT: 5.099 min Scan# 658
Delta R.T. 0.098 min
Lab File: VX020618.D
Acq: 14 Jan 2021 17:22

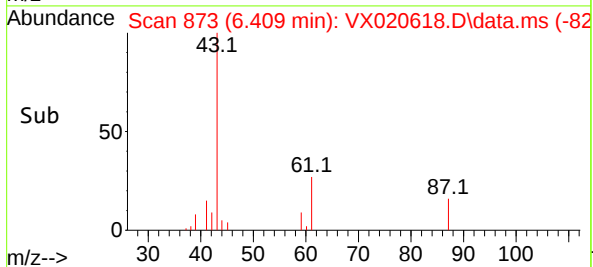
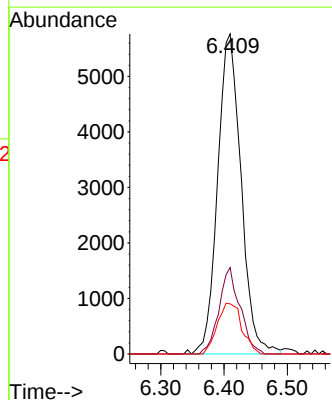
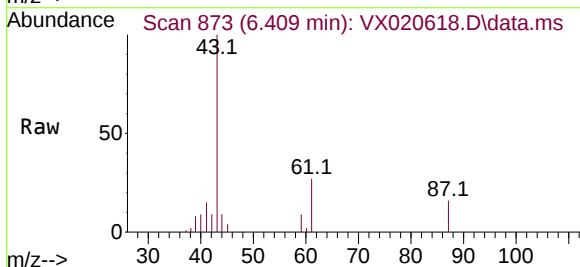
Instrument :
MSVOA_X
ClientSampleId :
PB134118ZHE#07

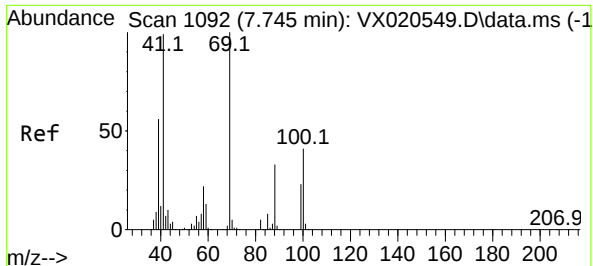
Tgt Ion:	41	Resp:	539
Ion	Ratio	Lower	Upper
41	100		
39	29.1	42.5	63.7#
67	0.0	65.0	97.6#
52	0.0	25.3	37.9#



#43
Isopropyl Acetate
Concen: 3.75 ug/l
RT: 6.409 min Scan# 873
Delta R.T. 0.000 min
Lab File: VX020618.D
Acq: 14 Jan 2021 17:22

Tgt Ion:	43	Resp:	14834
Ion	Ratio	Lower	Upper
43	100		
61	24.2	18.2	27.4
87	16.5	12.5	18.7

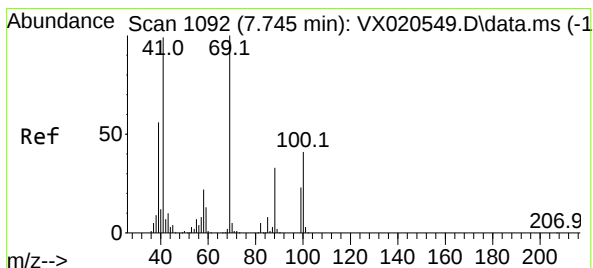
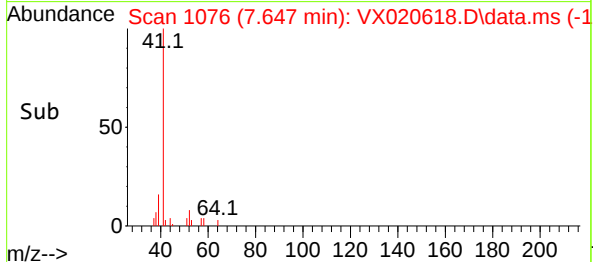
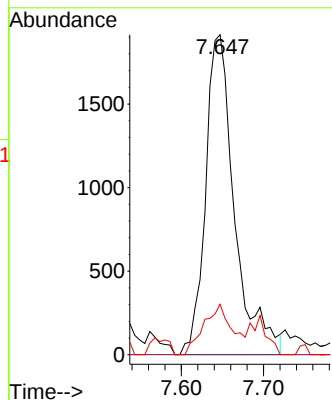
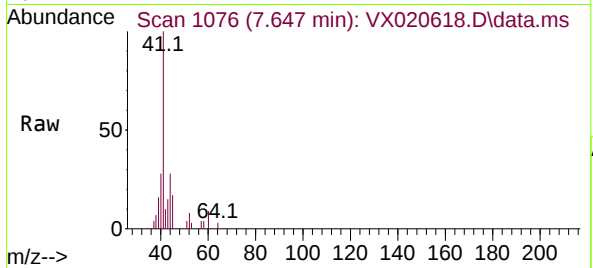




#48
Methyl methacrylate
Concen: 2.44 ug/l
RT: 7.647 min Scan# 1076
Delta R.T. -0.098 min
Lab File: VX020618.D
Acq: 14 Jan 2021 17:22

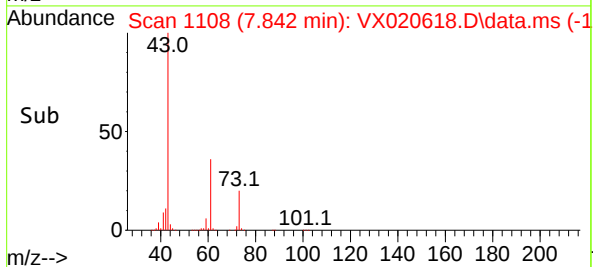
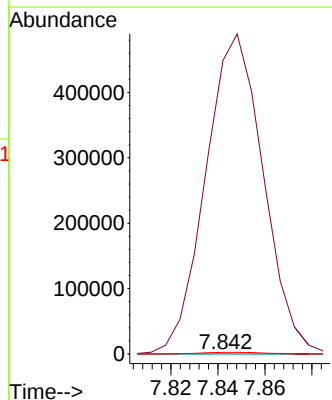
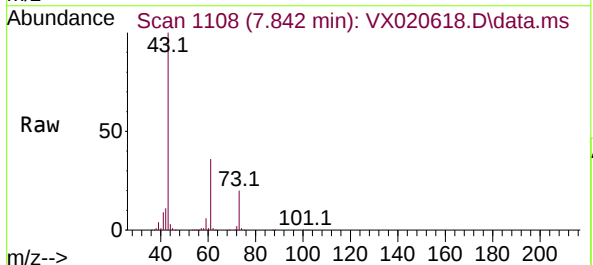
Instrument :
MSVOA_X
ClientSampleId :
PB134118ZHE#07

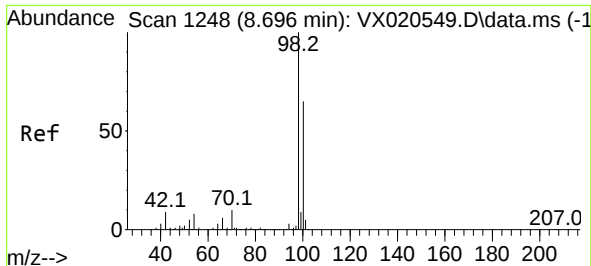
Tgt Ion: 41 Resp: 4695
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 0.0 44.6 67.0#



#49
1,4-Dioxane
Concen: 3.43 ug/l
RT: 7.842 min Scan# 1108
Delta R.T. 0.097 min
Lab File: VX020618.D
Acq: 14 Jan 2021 17:22

Tgt Ion: 88 Resp: 166
Ion Ratio Lower Upper
88 100
43 507197.6 23.2 34.8#
58 2894.6 55.0 82.4#

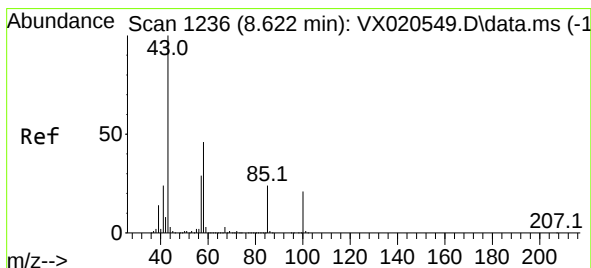
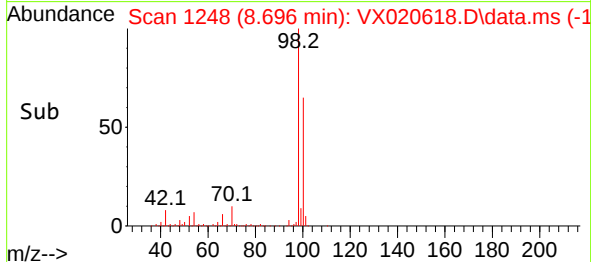
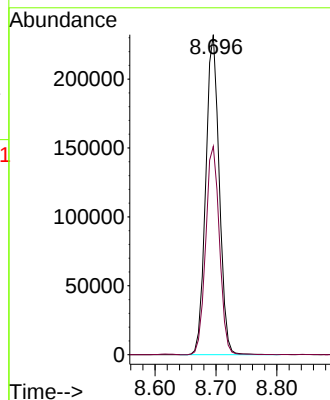
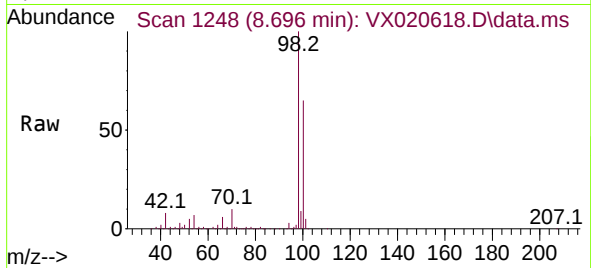




#50
Toluene-d8
Concen: 46.83 ug/l
RT: 8.696 min Scan# 1248
Delta R.T. -0.000 min
Lab File: VX020618.D
Acq: 14 Jan 2021 17:22

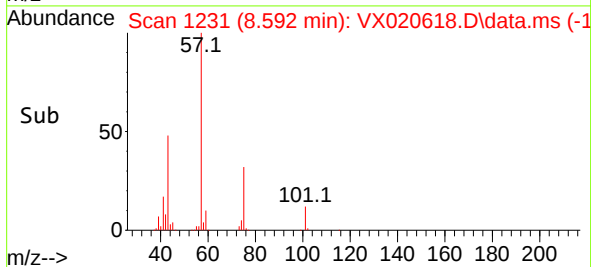
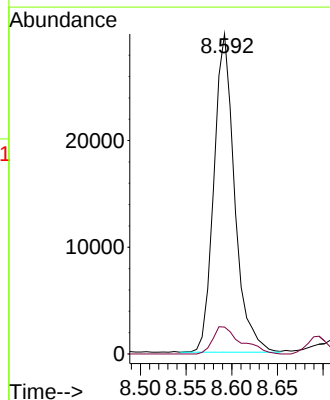
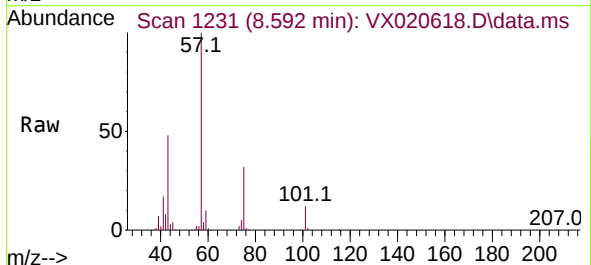
Instrument :
MSVOA_X
ClientSampleId :
PB134118ZHE#07

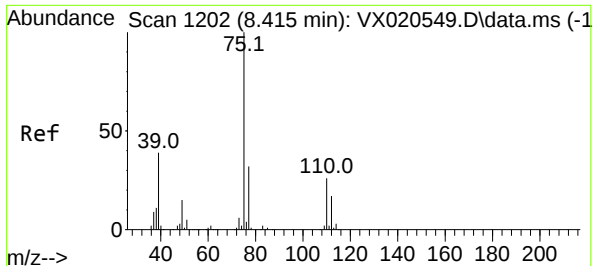
Tgt Ion: 98 Resp: 356611
Ion Ratio Lower Upper
98 100
100 66.4 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 19.15 ug/l
RT: 8.592 min Scan# 1231
Delta R.T. -0.030 min
Lab File: VX020618.D
Acq: 14 Jan 2021 17:22

Tgt Ion: 43 Resp: 46944
Ion Ratio Lower Upper
43 100
58 11.6 35.4 53.0#

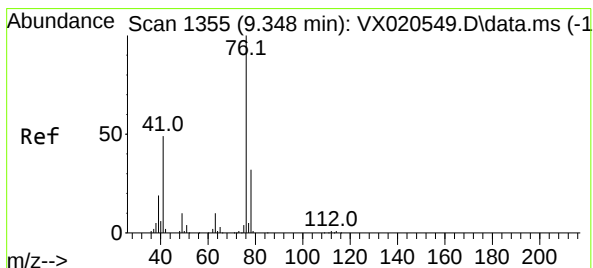
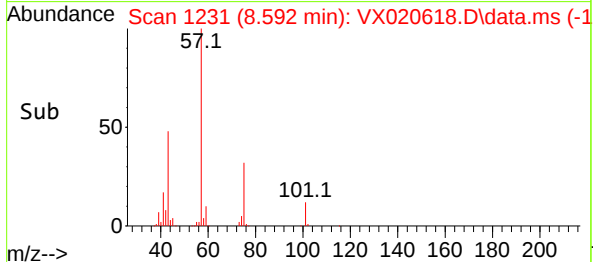
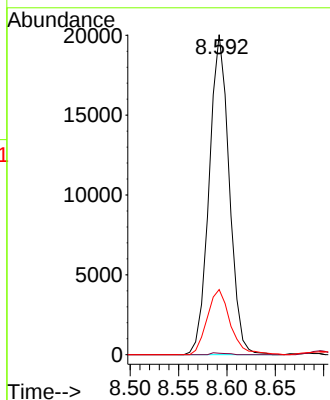
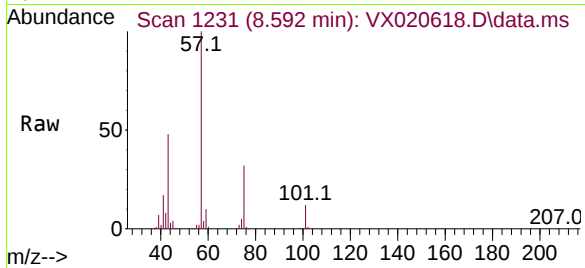




#54
cis-1,3-Dichloropropene
Concen: 8.27 ug/l
RT: 8.592 min Scan# 1231
Delta R.T. 0.177 min
Lab File: VX020618.D
Acq: 14 Jan 2021 17:22

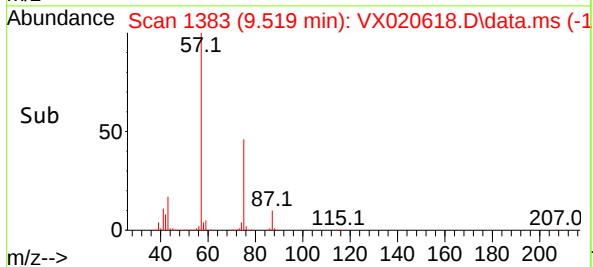
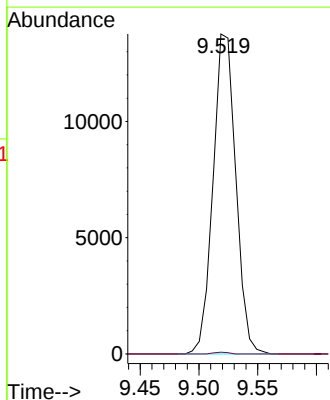
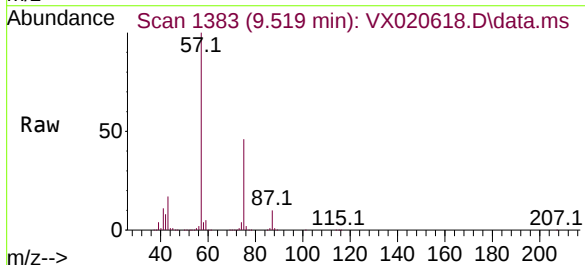
Instrument :
MSVOA_X
ClientSampleId :
PB134118ZHE#07

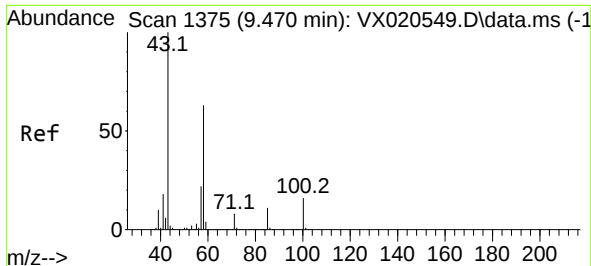
Tgt Ion: 75 Resp: 28938
Ion Ratio Lower Upper
75 100
77 0.5 25.7 38.5#
39 20.3 35.1 52.7#



#57
1,3-Dichloropropane
Concen: 5.05 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.171 min
Lab File: VX020618.D
Acq: 14 Jan 2021 17:22

Tgt Ion: 76 Resp: 18582
Ion Ratio Lower Upper
76 100
78 0.4 26.2 39.2#

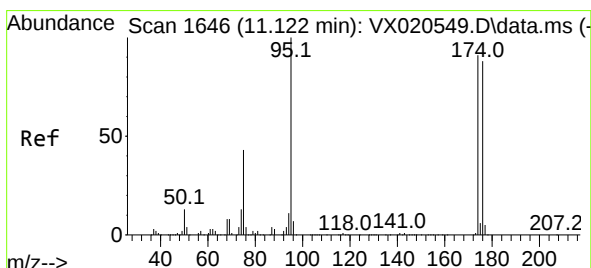
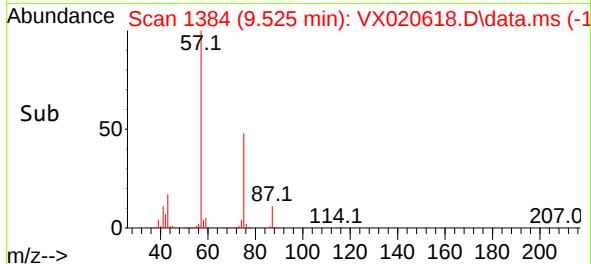
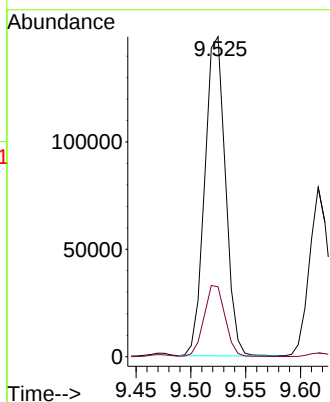
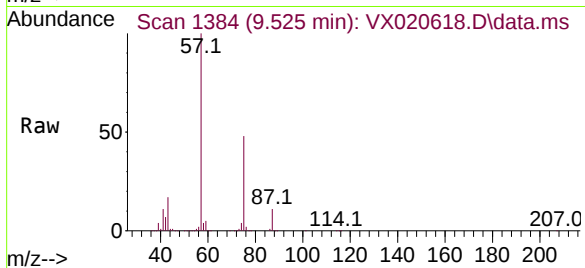




#59
2-Hexanone
Concen: 106.53 ug/l
RT: 9.525 min Scan# 1384
Delta R.T. 0.055 min
Lab File: VX020618.D
Acq: 14 Jan 2021 17:22

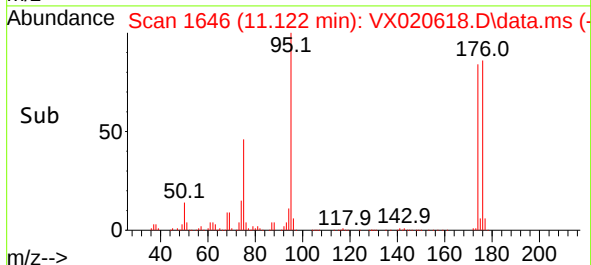
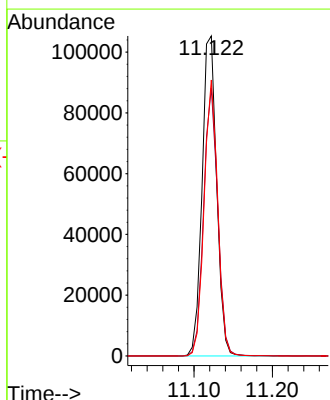
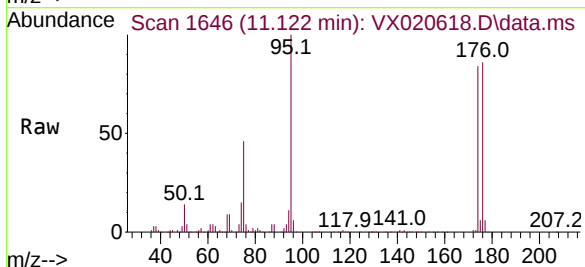
Instrument :
MSVOA_X
ClientSampleId :
PB134118ZHE#07

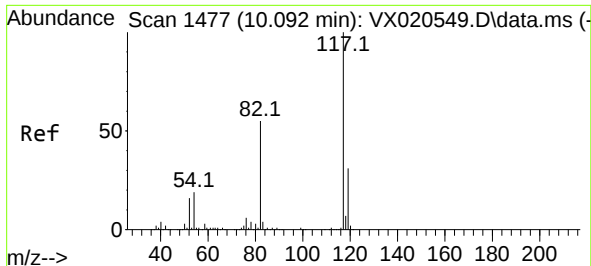
Tgt Ion: 43 Resp: 195759
Ion Ratio Lower Upper
43 100
58 22.9 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 50.53 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. 0.000 min
Lab File: VX020618.D
Acq: 14 Jan 2021 17:22

Tgt Ion: 95 Resp: 135891
Ion Ratio Lower Upper
95 100
174 81.0 0.0 154.6
176 80.5 0.0 155.8

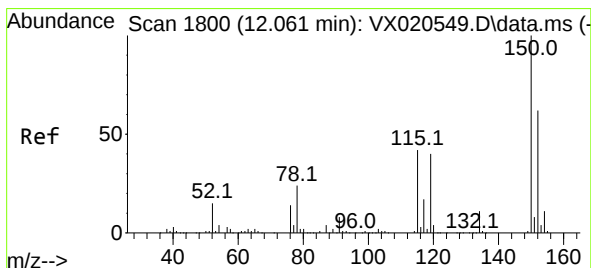
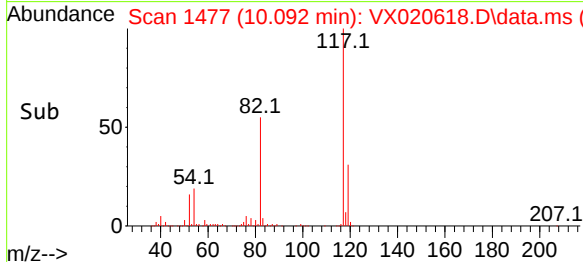
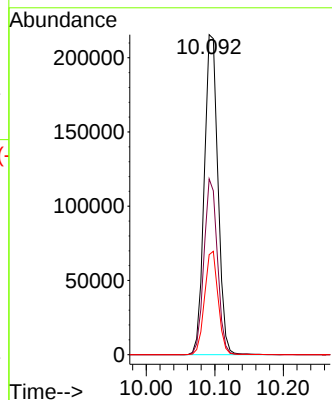
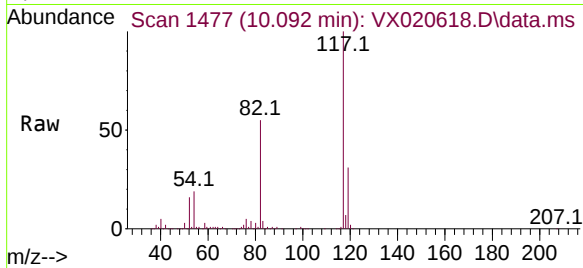




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.092 min Scan# 1477
Delta R.T. -0.000 min
Lab File: VX020618.D
Acq: 14 Jan 2021 17:22

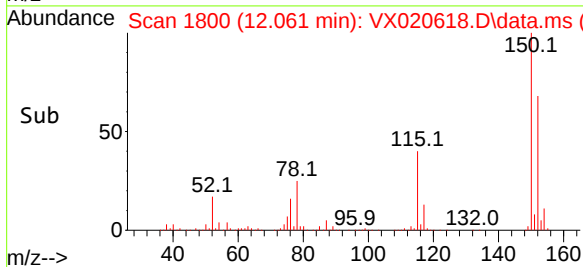
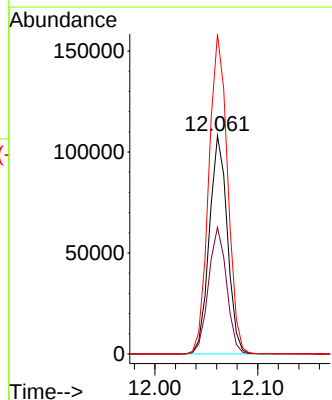
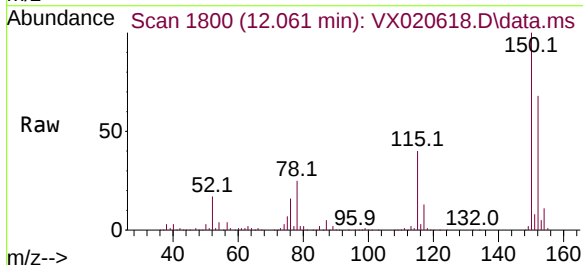
Instrument :
MSVOA_X
ClientSampleId :
PB134118ZHE#07

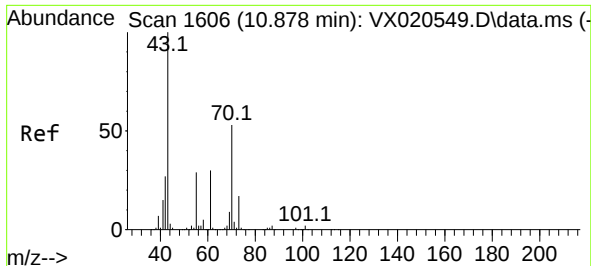
Tgt Ion:	117	Resp:	299841
Ion	Ratio	Lower	Upper
117	100		
82	54.9	47.4	71.2
119	31.3	26.6	39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.061 min Scan# 1800
Delta R.T. -0.000 min
Lab File: VX020618.D
Acq: 14 Jan 2021 17:22

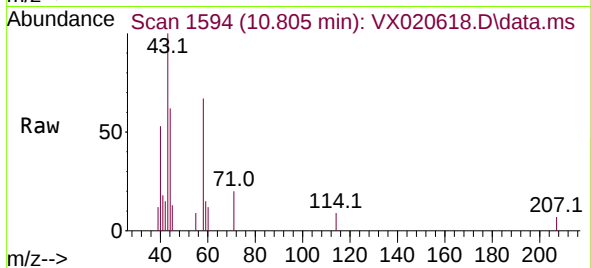
Tgt Ion:	152	Resp:	131339
Ion	Ratio	Lower	Upper
152	100		
115	58.4	41.1	123.3
150	153.0	0.0	349.0



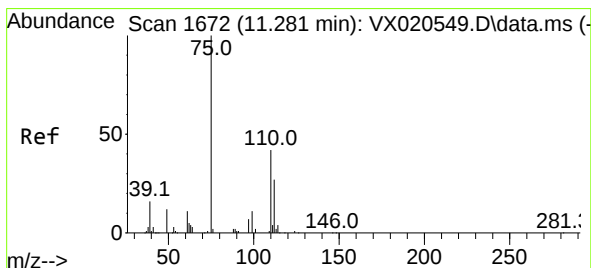
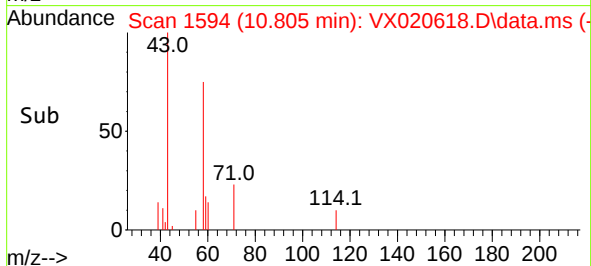
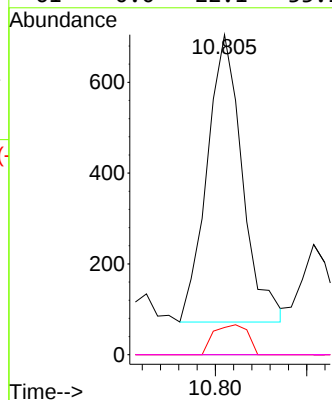


#74
N-amy1 acetate
Concen: 1.50 ug/l
RT: 10.805 min Scan# 1594
Delta R.T. -0.073 min
Lab File: VX020618.D
Acq: 14 Jan 2021 17:22

Instrument :
MSVOA_X
ClientSampleId :
PB134118ZHE#07

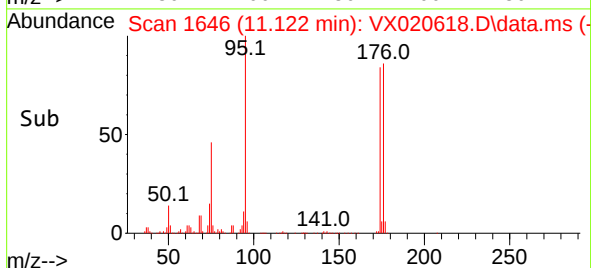
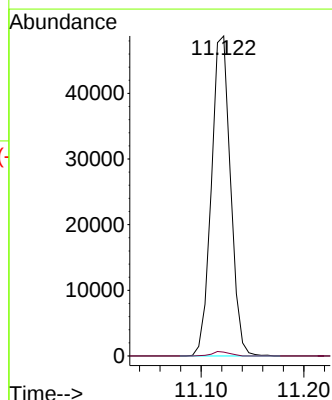
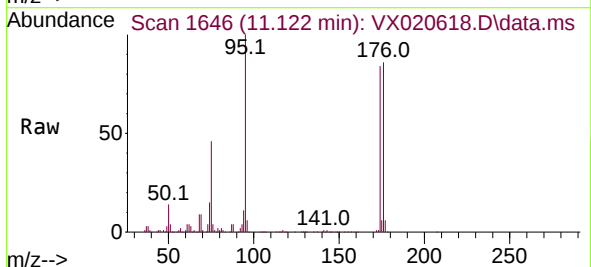


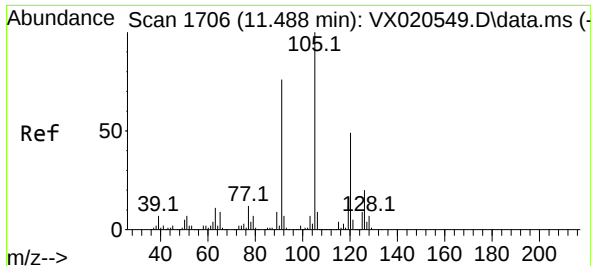
Tgt Ion: 43	Resp: 852
Ion Ratio	Lower Upper
43	100
70	0.0 39.0 58.6#
55	10.0 21.5 32.3#
61	0.0 22.1 33.1#



#76
1,2,3-Trichloropropane
Concen: 22.72 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.159 min
Lab File: VX020618.D
Acq: 14 Jan 2021 17:22

Tgt Ion: 75	Resp: 62869
Ion Ratio	Lower Upper
75	100
77	1.3 19.1 57.5#

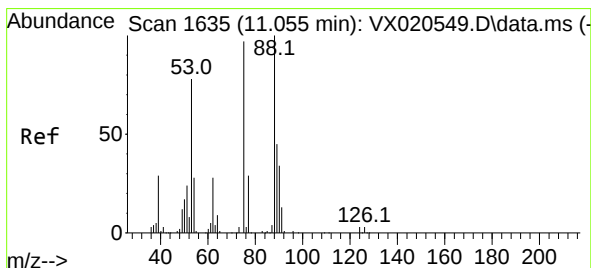
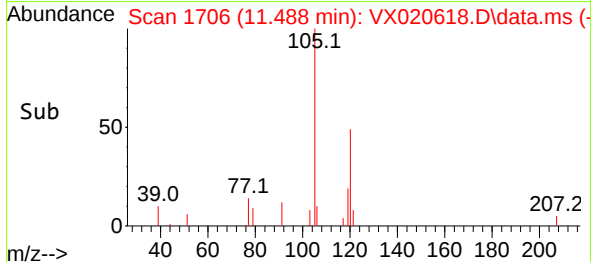
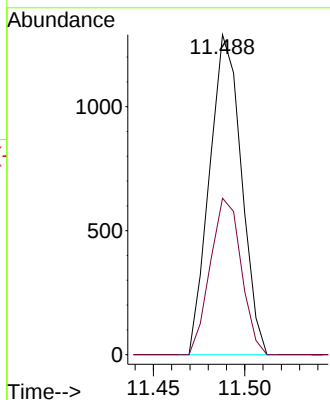
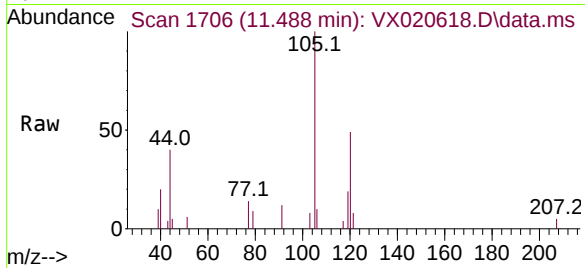




#80
1,3,5-Trimethylbenzene
Concen: 0.21 ug/l
RT: 11.488 min Scan# 1706
Delta R.T. -0.000 min
Lab File: VX020618.D
Acq: 14 Jan 2021 17:22

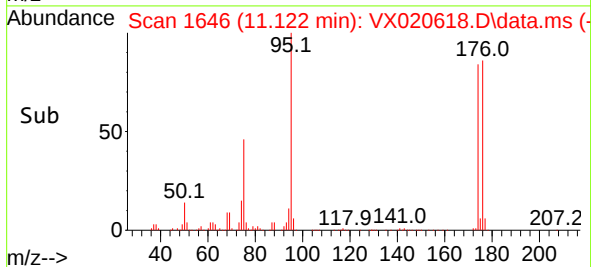
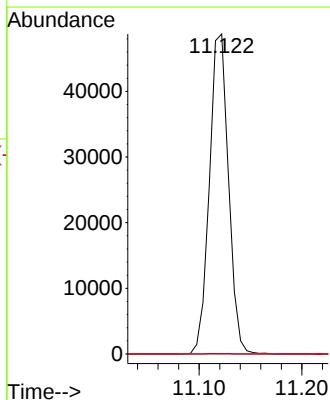
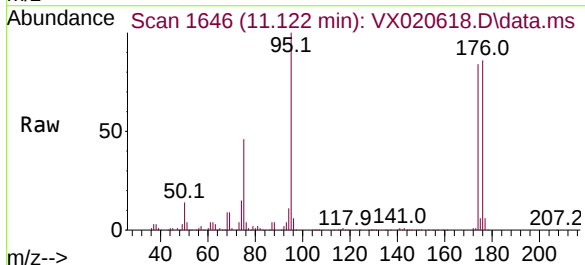
Instrument :
MSVOA_X
ClientSampleId :
PB134118ZHE#07

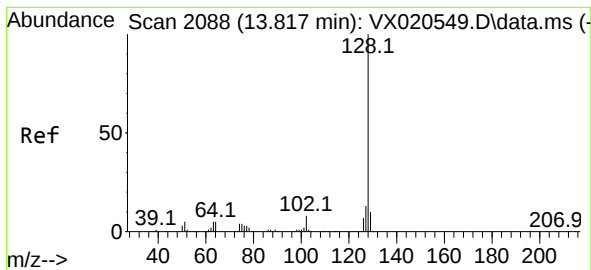
Tgt Ion:105 Resp: 1566
Ion Ratio Lower Upper
105 100
120 47.5 23.8 71.5



#81
trans-1,4-Dichloro-2-butene
Concen: 61.91 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. 0.067 min
Lab File: VX020618.D
Acq: 14 Jan 2021 17:22

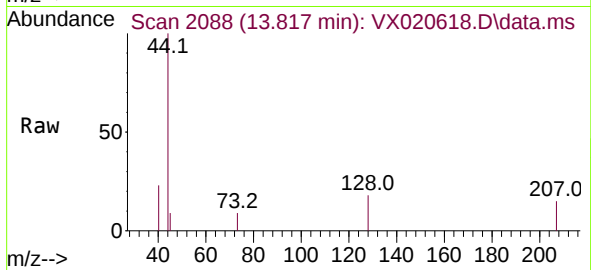
Tgt Ion: 75 Resp: 62869
Ion Ratio Lower Upper
75 100
53 0.2 74.5 111.7#
89 0.0 37.9 56.9#





#95
Naphthalene
Concen: 3.86 ug/l
RT: 13.817 min Scan# 2088
Delta R.T. -0.000 min
Lab File: VX020618.D
Acq: 14 Jan 2021 17:22

Instrument :
MSVOA_X
ClientSampleId :
PB134118ZHE#07



Tgt Ion:	128	Resp:	131
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.8	13.2#

