

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123120\
 Data File : VX020489.D
 Acq On : 31 Dec 2020 17:33
 Operator : JC/MD
 Sample : PB133875ZHE#18
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB133875ZHE#18

Quant Time: Jan 01 00:12:56 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121820W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 18 13:09:49 2020
 Response via : Initial Calibration

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

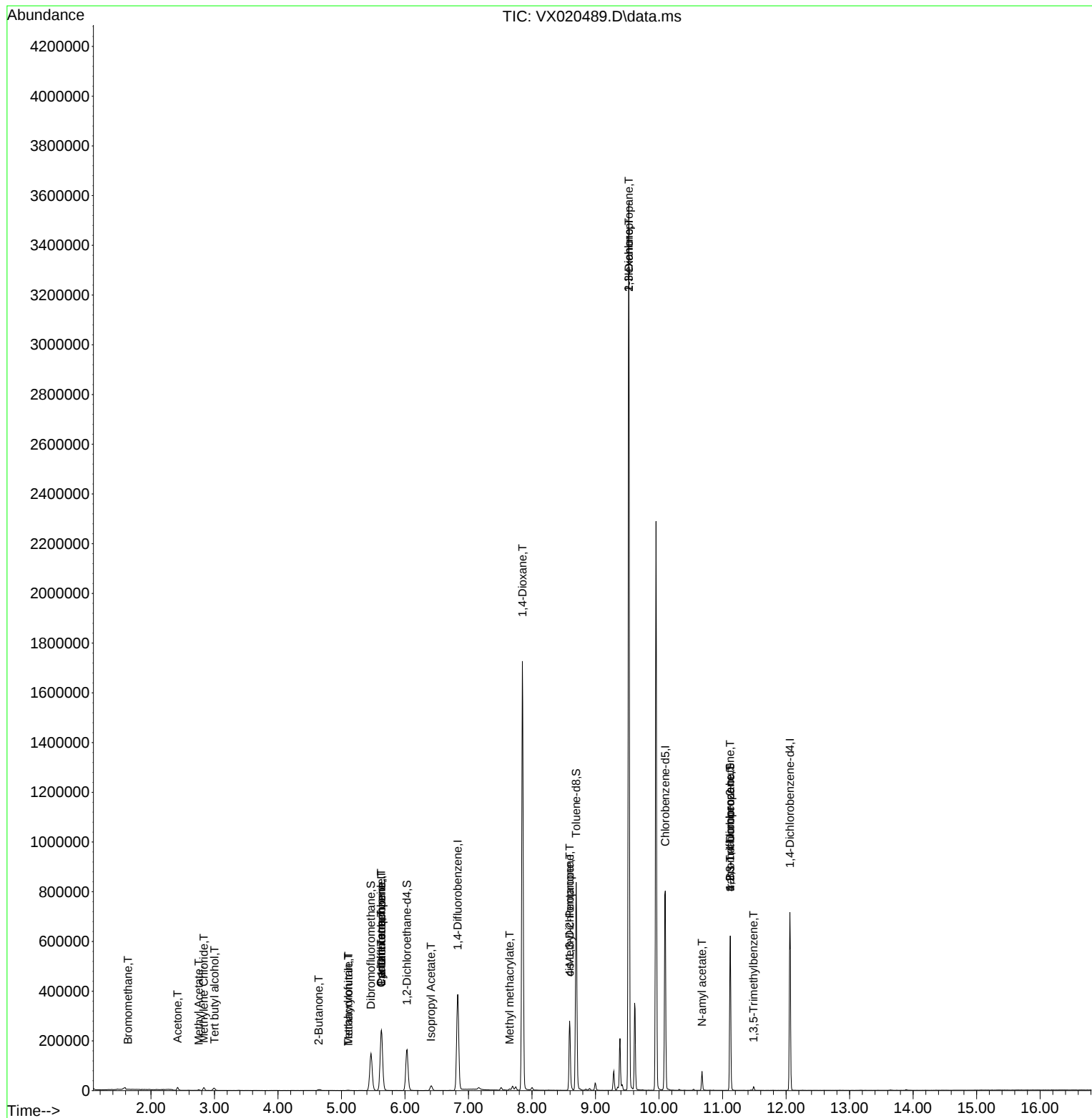
Internal Standards						
1) Pentafluorobenzene	5.629	168	230933	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.830	114	390744	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.098	117	378952	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	152253	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.031	65	155363	50.19	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 100.38%			
35) Dibromofluoromethane	5.464	113	128340	51.34	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 102.68%			
50) Toluene-d8	8.695	98	494394	51.38	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 102.76%			
62) 4-Bromofluorobenzene	11.122	95	170819	46.39	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 92.78%			
Target Compounds					Qvalue	
5) Bromomethane	1.636	94	409	0.40	ug/l #	75
11) Tert butyl alcohol	3.001	59	5890	8.50	ug/l #	76
16) Acetone	2.416	43	12108	8.58	ug/l	98
18) Methyl Acetate	2.751	43	2952	0.94	ug/l	95
20) Methylene Chloride	2.831	84	5304	1.67	ug/l	98
25) 2-Butanone	4.641	43	3635	1.77	ug/l #	89
29) Tetrahydrofuran	5.105	42	1358	1.05	ug/l	87
31) Cyclohexane	5.623	56	4614	1.08	ug/l #	1
36) 1,1-Dichloropropene	5.629	75	18036	4.67	ug/l #	48
38) Carbon Tetrachloride	5.623	117	23140	6.30	ug/l #	17
41) Methacrylonitrile	5.111	41	1035	0.48	ug/l #	39
43) Isopropyl Acetate	6.409	43	24703	3.90	ug/l	98
48) Methyl methacrylate	7.647	41	6501	2.09	ug/l #	10
49) 1,4-Dioxane	7.848	88	309	4.25	ug/l #	1
51) 4-Methyl-2-Pentanone	8.592	43	88328	22.52	ug/l #	47
54) cis-1,3-Dichloropropene	8.592	75	46084	9.63	ug/l #	62
57) 1,3-Dichloropropane	9.525	76	30616	5.94	ug/l #	43
59) 2-Hexanone	9.525	43	375026	125.47	ug/l #	46
74) N-amyl acetate	10.677	43	16163	3.65	ug/l #	49
76) 1,2,3-Trichloropropane	11.122	75	80057	21.35	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.488	105	6365	0.68	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.122	75	80057	63.33	ug/l #	12

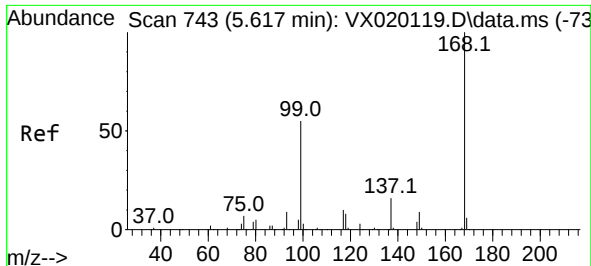
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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ClientSampleId :
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Quant Time: Jan 01 00:12:56 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121820W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 18 13:09:49 2020
Response via : Initial Calibration

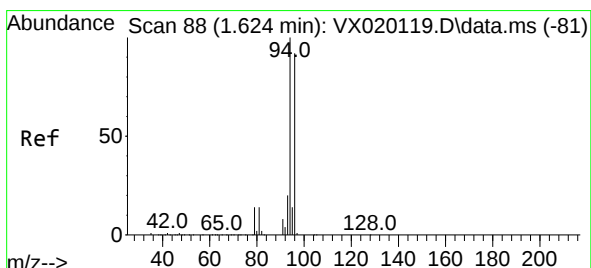
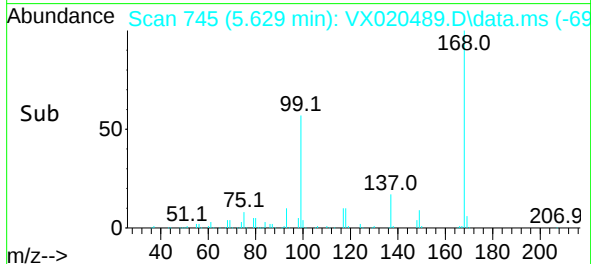
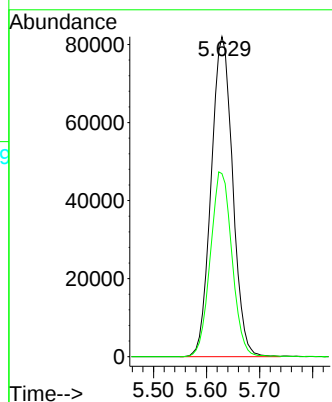
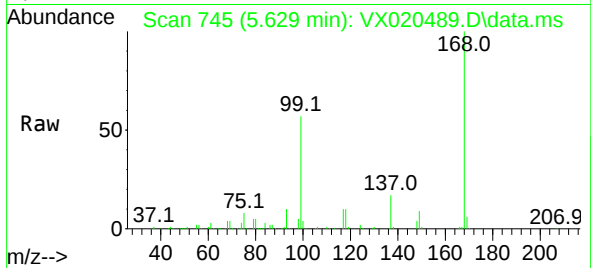




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 745
Delta R.T. 0.012 min
Lab File: VX020489.D
Acq: 31 Dec 2020 17:33

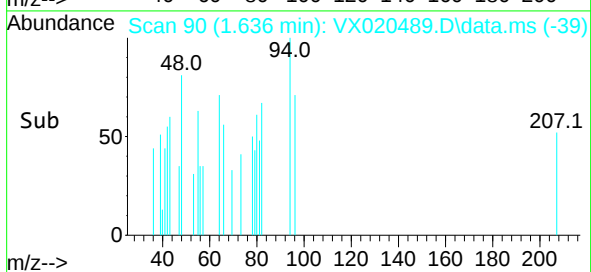
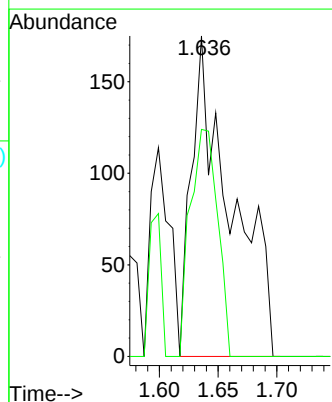
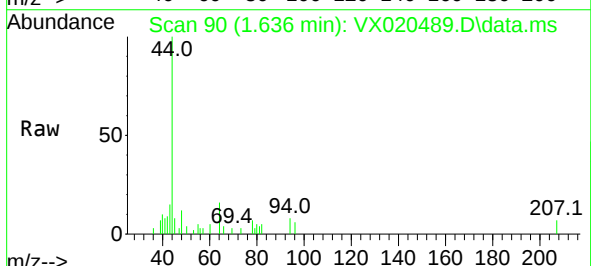
Instrument :
MSVOA_X
ClientSampleId :
PB133875ZHE#18

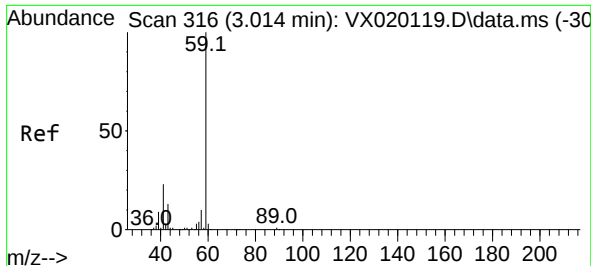
Tgt Ion:168 Resp: 230933
Ion Ratio Lower Upper
168 100
99 57.2 45.8 68.6



#5
Bromomethane
Concen: 0.40 ug/l
RT: 1.636 min Scan# 90
Delta R.T. 0.012 min
Lab File: VX020489.D
Acq: 31 Dec 2020 17:33

Tgt Ion: 94 Resp: 409
Ion Ratio Lower Upper
94 100
96 70.9 76.4 114.6#



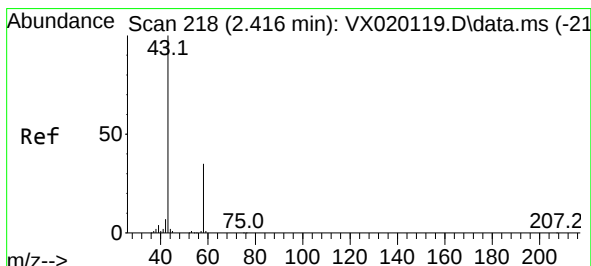
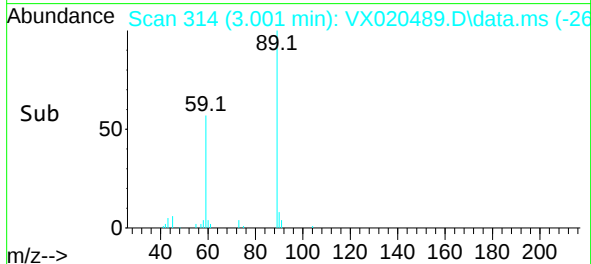
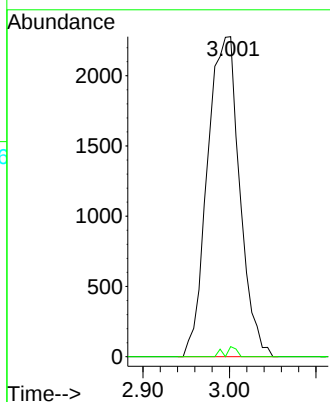
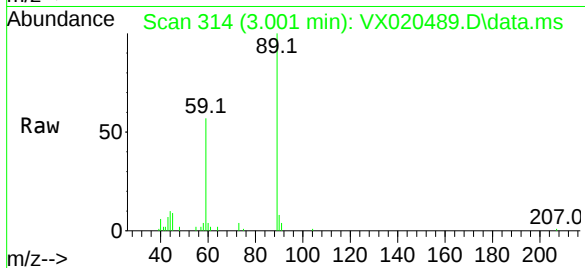


#11

Tert butyl alcohol
Concen: 8.50 ug/l
RT: 3.001 min Scan# 314
Delta R.T. -0.013 min
Lab File: VX020489.D
Acq: 31 Dec 2020 17:33

Instrument :
MSVOA_X
ClientSampleId :
PB133875ZHE#18

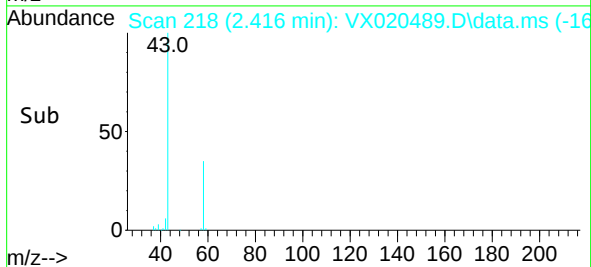
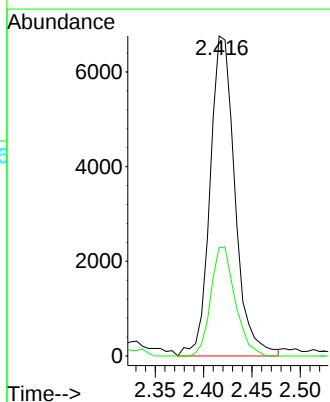
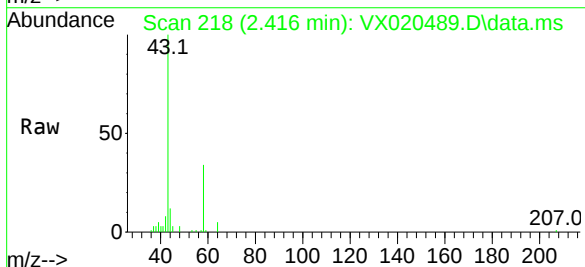
Tgt Ion: 59 Resp: 5890
Ion Ratio Lower Upper
59 100
57 1.1 7.8 11.8#

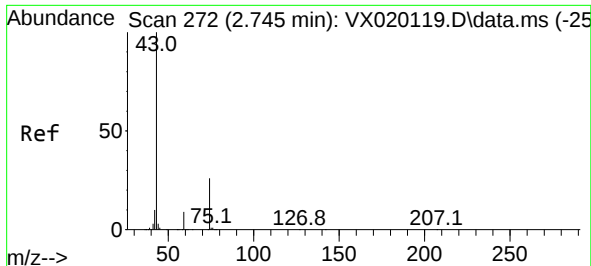


#16

Acetone
Concen: 8.58 ug/l
RT: 2.416 min Scan# 218
Delta R.T. 0.000 min
Lab File: VX020489.D
Acq: 31 Dec 2020 17:33

Tgt Ion: 43 Resp: 12108
Ion Ratio Lower Upper
43 100
58 33.9 27.8 41.8

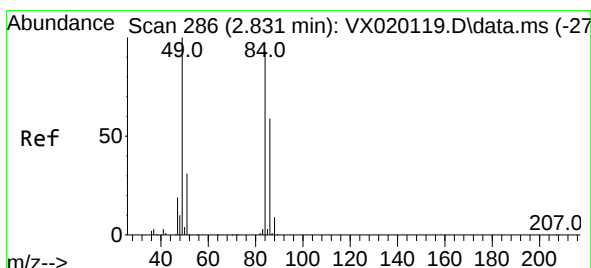
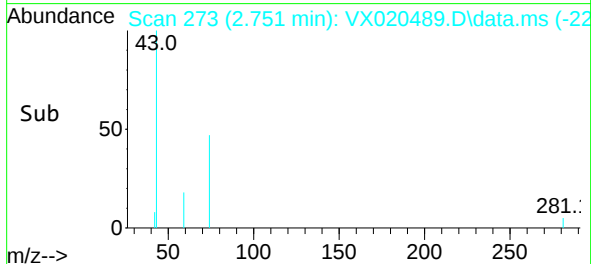
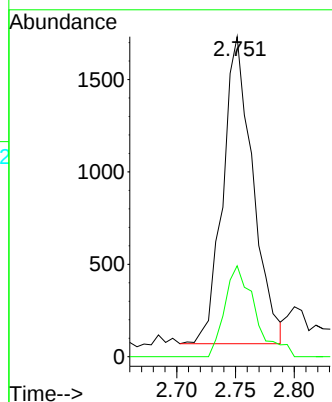
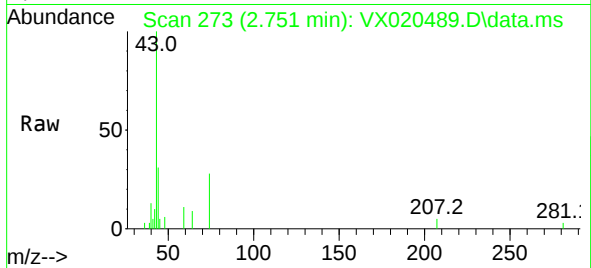




#18
Methyl Acetate
Concen: 0.94 ug/l
RT: 2.751 min Scan# 273
Delta R.T. 0.006 min
Lab File: VX020489.D
Acq: 31 Dec 2020 17:33

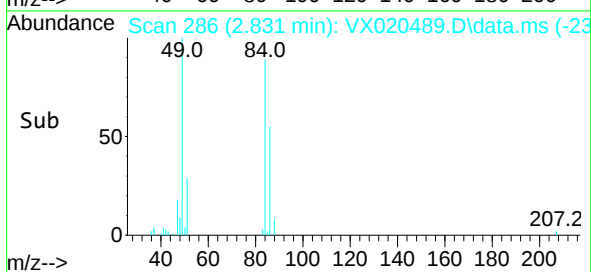
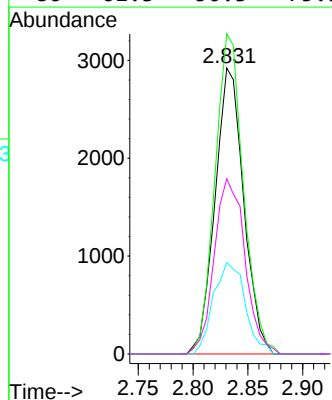
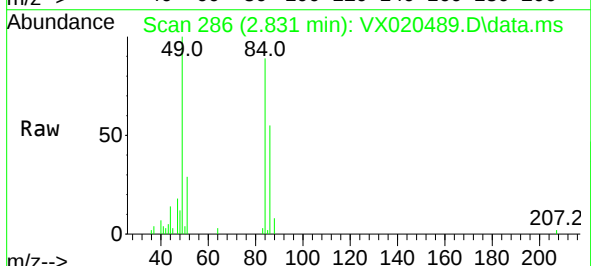
Instrument :
MSVOA_X
ClientSampleId :
PB133875ZHE#18

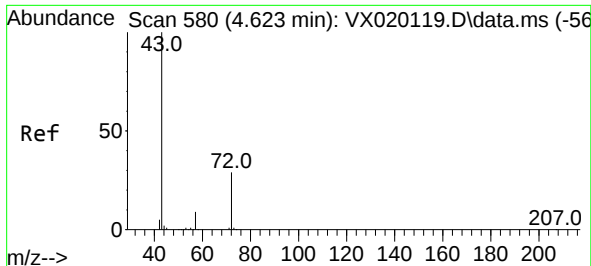
Tgt Ion: 43 Resp: 2952
Ion Ratio Lower Upper
43 100
74 29.9 21.9 32.9



#20
Methylene Chloride
Concen: 1.67 ug/l
RT: 2.831 min Scan# 286
Delta R.T. -0.000 min
Lab File: VX020489.D
Acq: 31 Dec 2020 17:33

Tgt Ion: 84 Resp: 5304
Ion Ratio Lower Upper
84 100
49 111.9 88.6 132.8
51 32.0 27.0 40.6
86 61.3 50.3 75.5

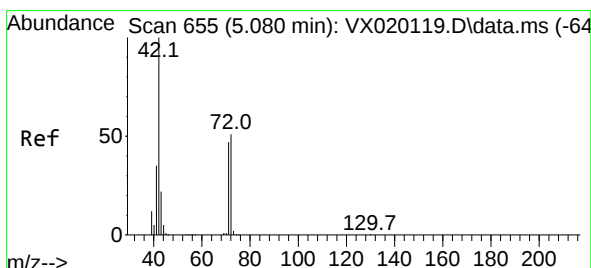
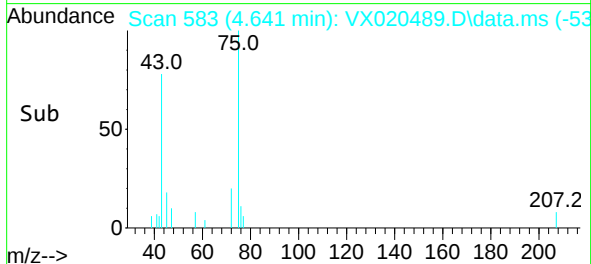
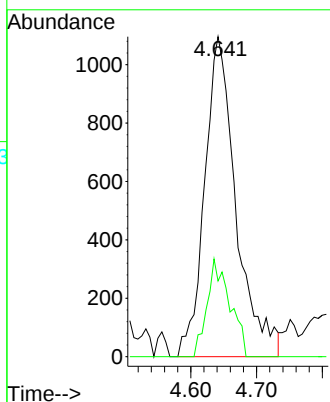
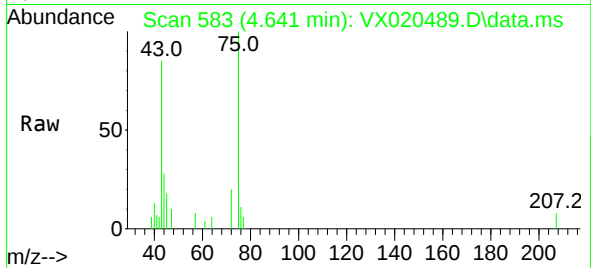




#25
2-Butanone
Concen: 1.77 ug/l
RT: 4.641 min Scan# 583
Delta R.T. 0.018 min
Lab File: VX020489.D
Acq: 31 Dec 2020 17:33

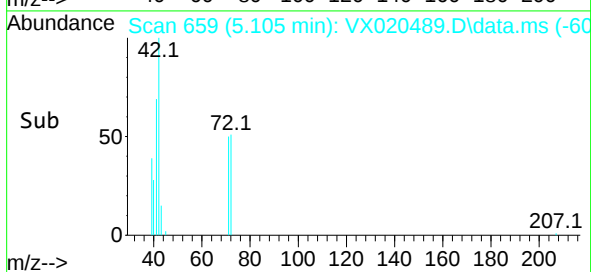
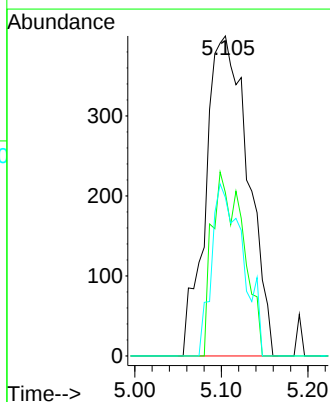
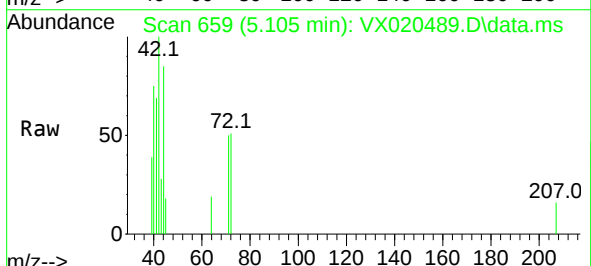
Instrument :
MSVOA_X
ClientSampleId :
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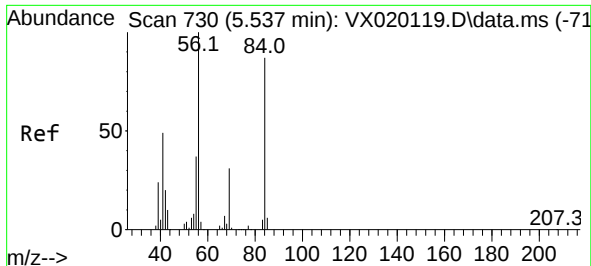
Tgt Ion: 43 Resp: 3635
Ion Ratio Lower Upper
43 100
72 23.6 23.7 35.5#



#29
Tetrahydrofuran
Concen: 1.05 ug/l
RT: 5.105 min Scan# 659
Delta R.T. 0.025 min
Lab File: VX020489.D
Acq: 31 Dec 2020 17:33

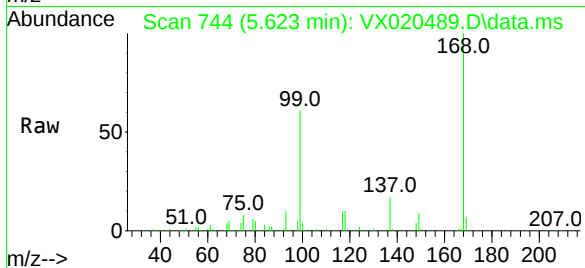
Tgt Ion: 42 Resp: 1358
Ion Ratio Lower Upper
42 100
72 42.1 41.7 62.5
71 39.5 38.4 57.6



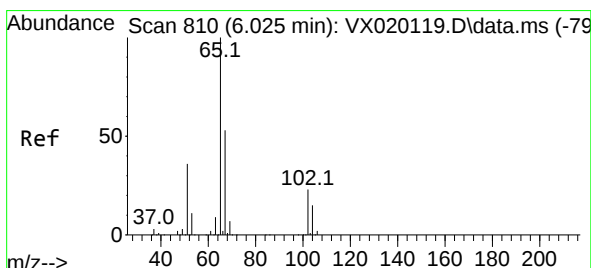
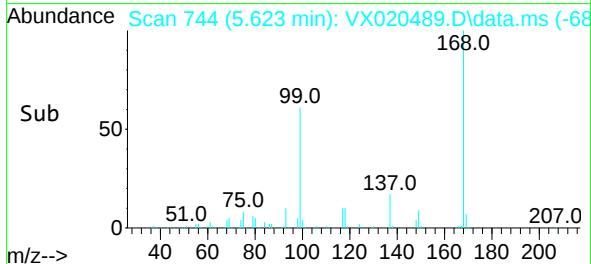
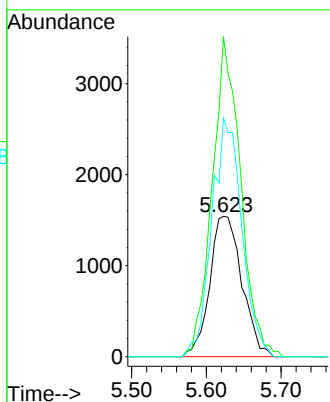


#31
Cyclohexane
Concen: 1.08 ug/l
RT: 5.623 min Scan# 744
Delta R.T. 0.086 min
Lab File: VX020489.D
Acq: 31 Dec 2020 17:33

Instrument :
MSVOA_X
ClientSampleId :
PB133875ZHE#18

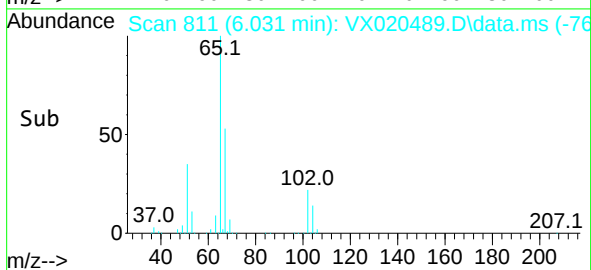
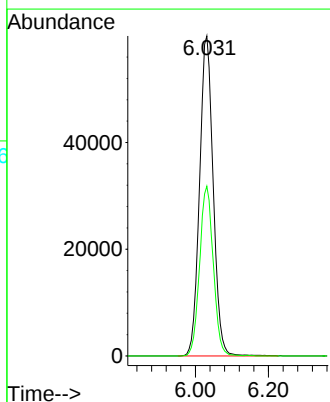
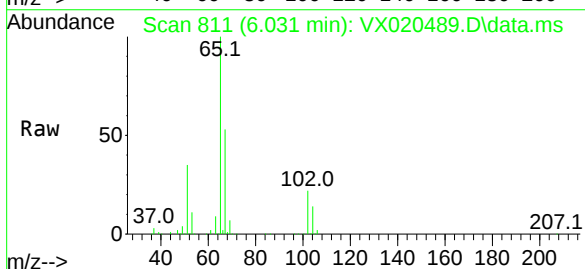


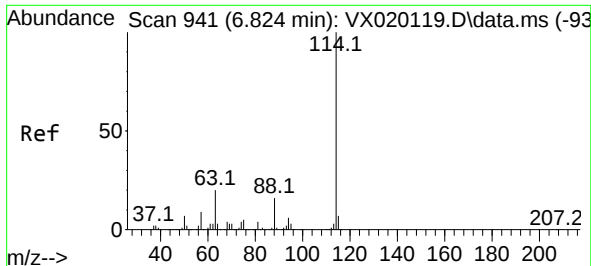
Tgt Ion: 56 Resp: 4614
Ion Ratio Lower Upper
56 100
69 228.0 25.3 37.9#
84 170.0 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 50.19 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX020489.D
Acq: 31 Dec 2020 17:33

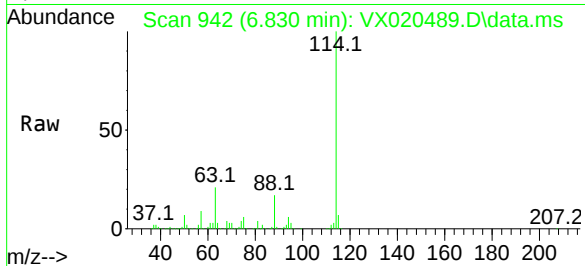
Tgt Ion: 65 Resp: 155363
Ion Ratio Lower Upper
65 100
67 53.2 0.0 105.4



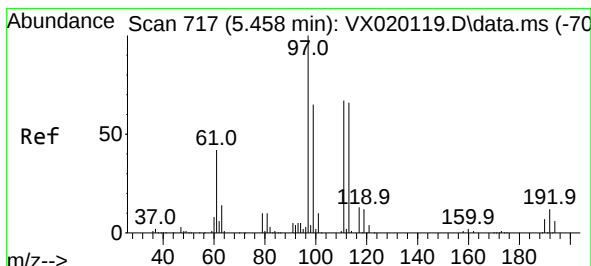
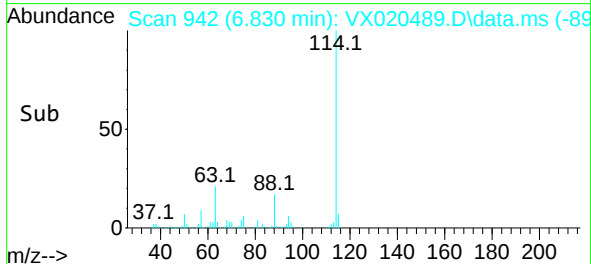
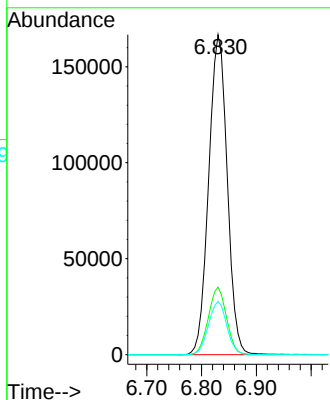


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.830 min Scan# 942
Delta R.T. 0.006 min
Lab File: VX020489.D
Acq: 31 Dec 2020 17:33

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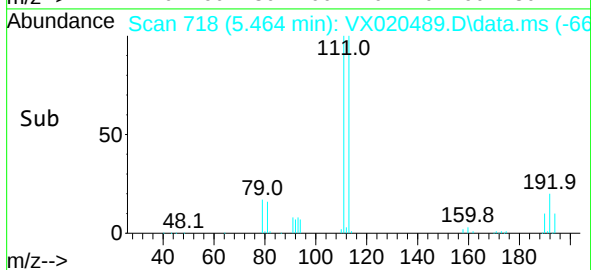
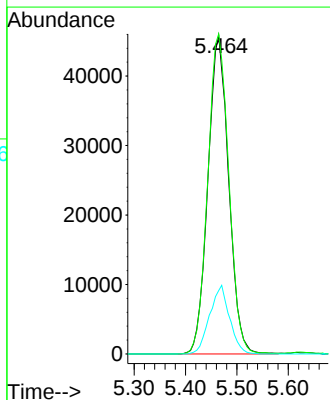
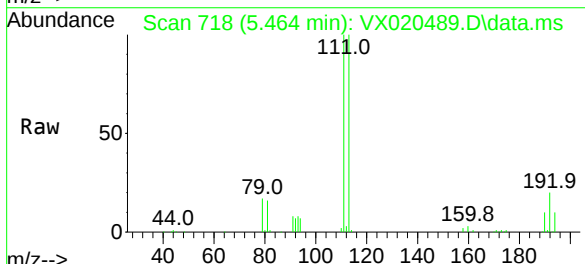


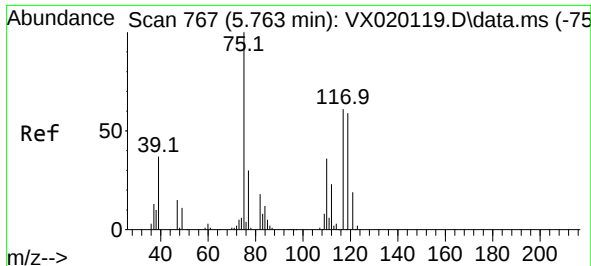
Tgt Ion:114 Resp: 390744
Ion Ratio Lower Upper
114 100
63 21.1 0.0 40.8
88 16.7 0.0 32.8



#35
Dibromofluoromethane
Concen: 51.34 ug/l
RT: 5.464 min Scan# 718
Delta R.T. 0.006 min
Lab File: VX020489.D
Acq: 31 Dec 2020 17:33

Tgt Ion:113 Resp: 128340
Ion Ratio Lower Upper
113 100
111 102.2 81.9 122.9
192 20.7 16.7 25.1





#36

1,1-Dichloropropene

Concen: 4.67 ug/l

RT: 5.629 min Scan# 745

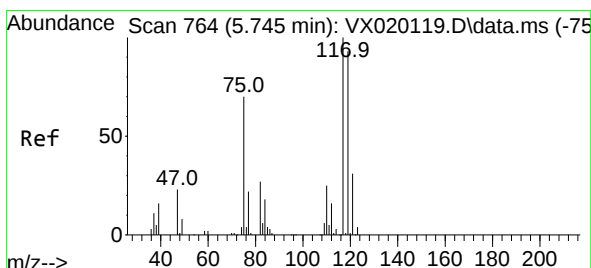
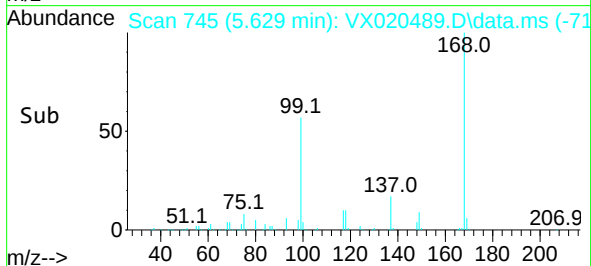
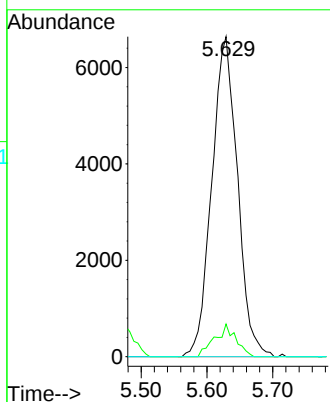
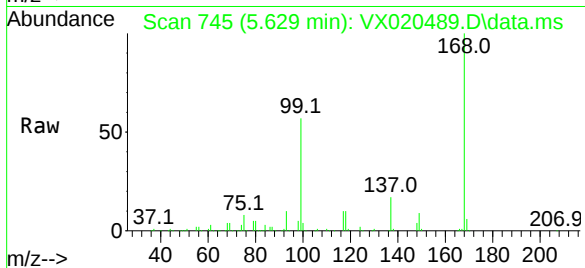
Delta R.T. -0.134 min

Lab File: VX020489.D

Acq: 31 Dec 2020 17:33

Tgt Ion:	75	Resp:	18036
Ion	Ratio	Lower	Upper
75	100		
110	8.3	18.1	54.4#
77	0.0	25.3	37.9#

Instrument :
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#38

Carbon Tetrachloride

Concen: 6.30 ug/l

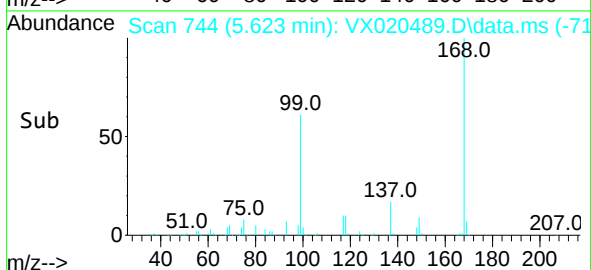
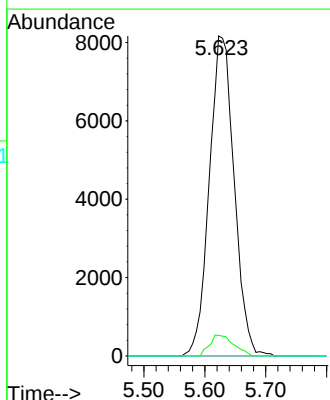
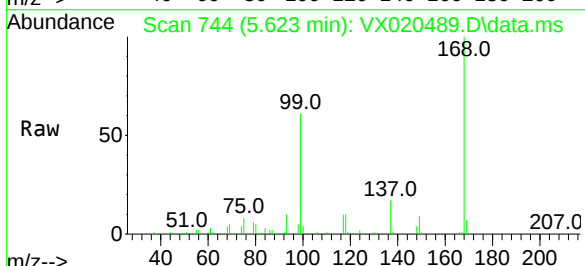
RT: 5.623 min Scan# 744

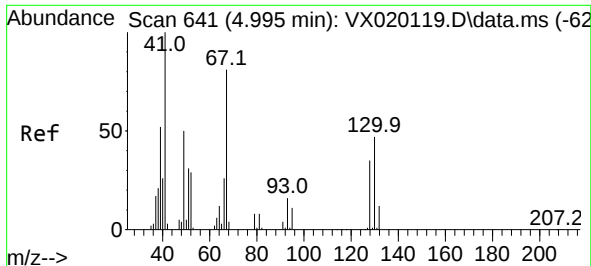
Delta R.T. -0.122 min

Lab File: VX020489.D

Acq: 31 Dec 2020 17:33

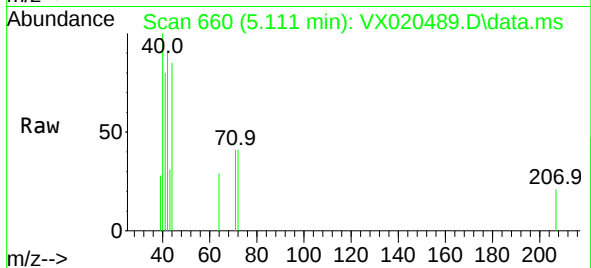
Tgt Ion:	117	Resp:	23140
Ion	Ratio	Lower	Upper
117	100		
119	6.4	76.2	114.2#
121	0.0	24.8	37.2#



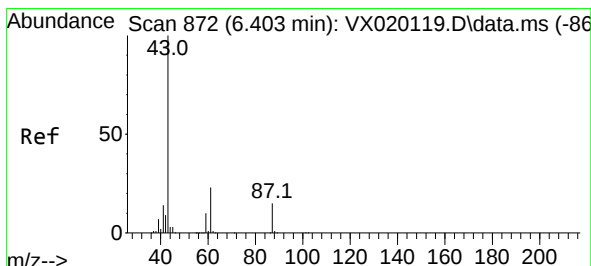
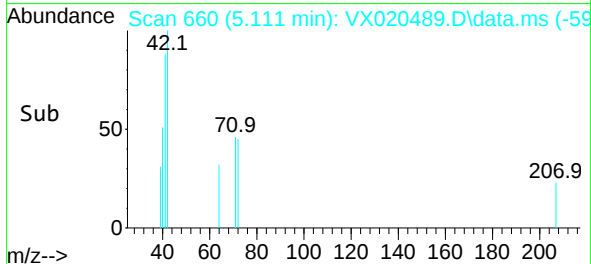
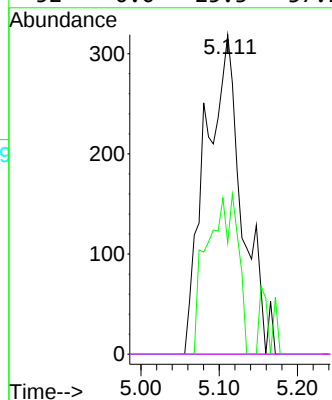


#41
Methacrylonitrile
Concen: 0.48 ug/l
RT: 5.111 min Scan# 660
Delta R.T. 0.116 min
Lab File: VX020489.D
Acq: 31 Dec 2020 17:33

Instrument :
MSVOA_X
ClientSampleId :
PB133875ZHE#18

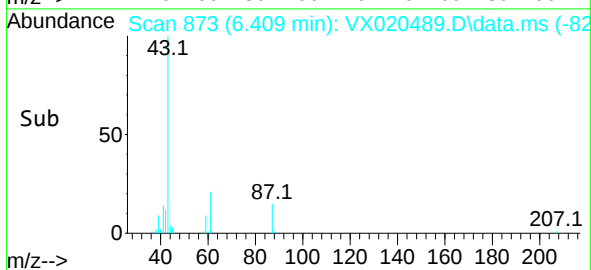
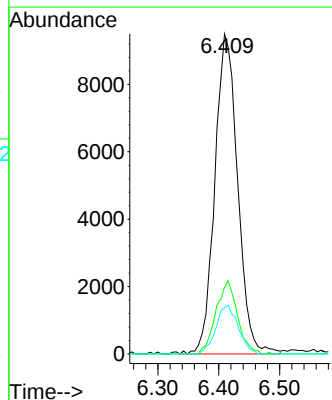
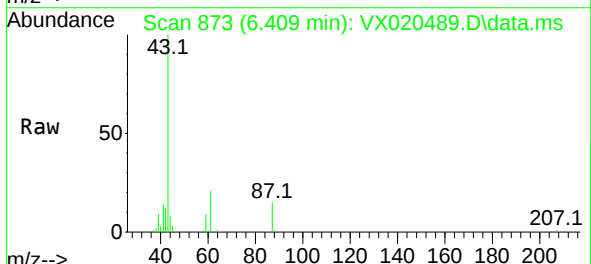


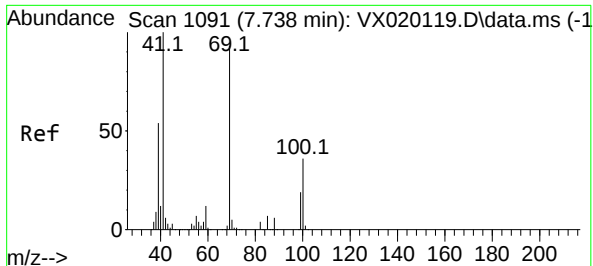
Tgt Ion: 41	Resp: 1035
Ion Ratio	Lower Upper
41 100	
39 42.1	42.5 63.7#
67 0.0	65.0 97.6#
52 0.0	25.3 37.9#



#43
Isopropyl Acetate
Concen: 3.90 ug/l
RT: 6.409 min Scan# 873
Delta R.T. 0.006 min
Lab File: VX020489.D
Acq: 31 Dec 2020 17:33

Tgt Ion: 43	Resp: 24703
Ion Ratio	Lower Upper
43 100	
61 21.5	18.2 27.4
87 14.8	12.5 18.7





#48

Methyl methacrylate

Concen: 2.09 ug/l

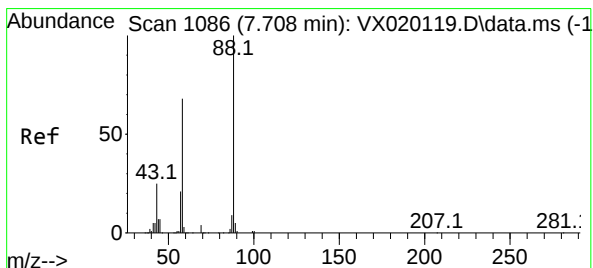
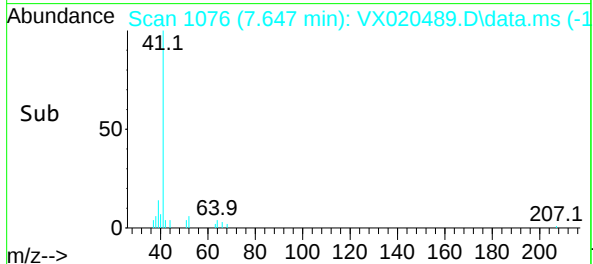
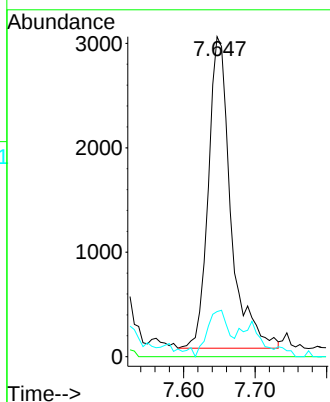
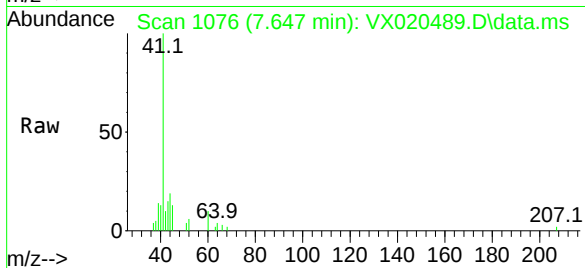
RT: 7.647 min Scan# 1076

Delta R.T. -0.091 min

Lab File: VX020489.D

Acq: 31 Dec 2020 17:33

Tgt Ion:	41	Resp:	6501
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: 4.25 ug/l

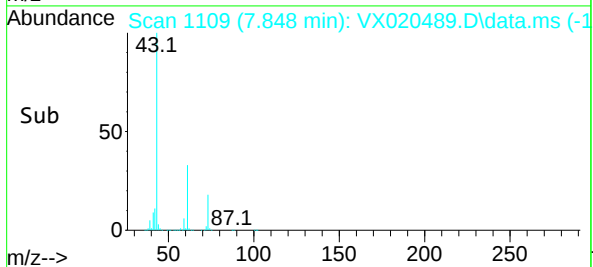
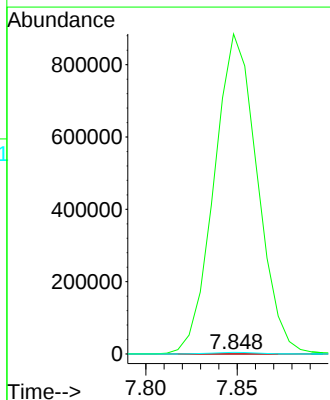
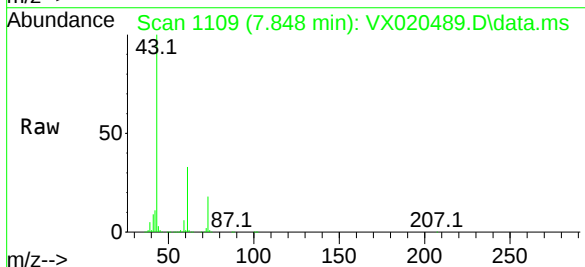
RT: 7.848 min Scan# 1109

Delta R.T. 0.140 min

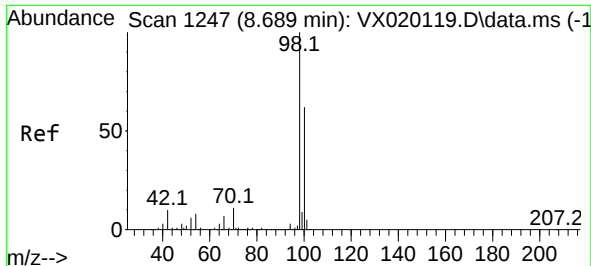
Lab File: VX020489.D

Acq: 31 Dec 2020 17:33

Tgt Ion:	88	Resp:	309
Ion	Ratio	Lower	Upper
88	100		
43	473588.7	23.2	34.8#
58	2543.4	55.0	82.4#



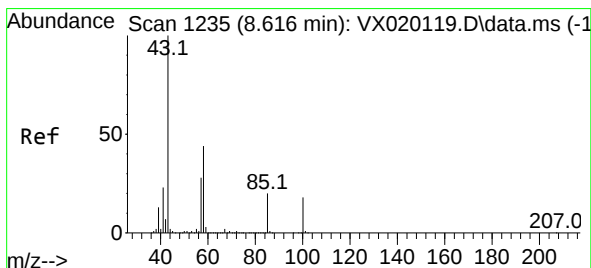
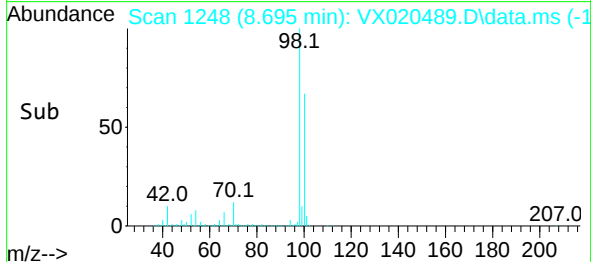
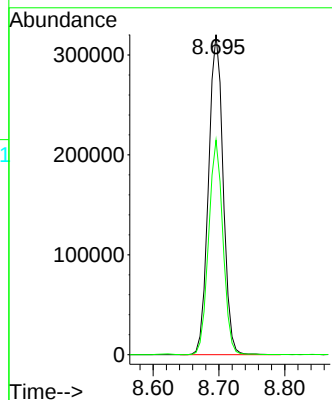
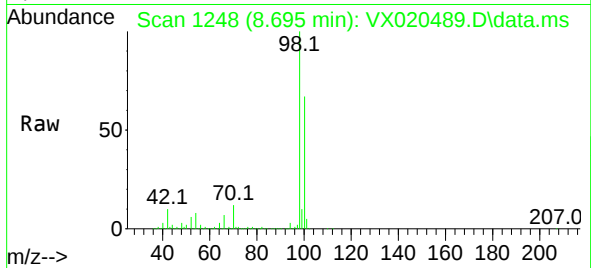
Instrument :
MSVOA_X
ClientSampleId :
PB133875ZHE#18



#50
Toluene-d8
Concen: 51.38 ug/l
RT: 8.695 min Scan# 1248
Delta R.T. 0.006 min
Lab File: VX020489.D
Acq: 31 Dec 2020 17:33

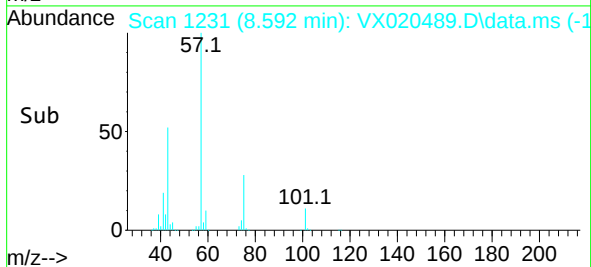
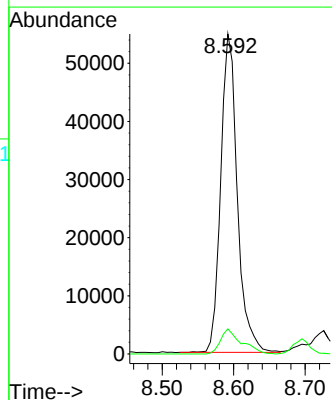
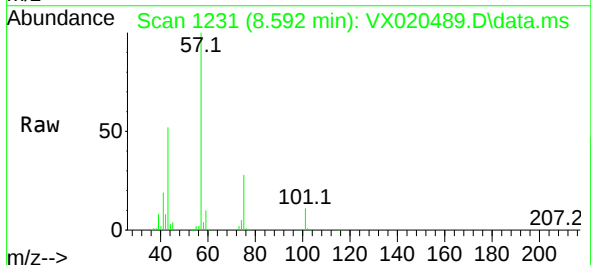
Instrument :
MSVOA_X
ClientSampleId :
PB133875ZHE#18

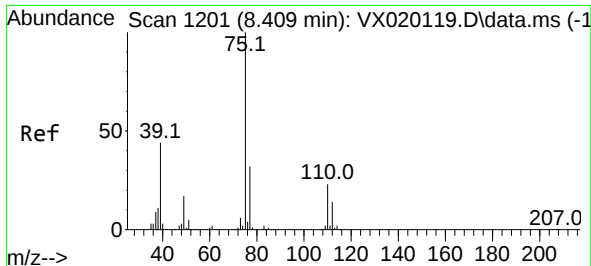
Tgt Ion: 98 Resp: 494394
Ion Ratio Lower Upper
98 100
100 65.8 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 22.52 ug/l
RT: 8.592 min Scan# 1231
Delta R.T. -0.024 min
Lab File: VX020489.D
Acq: 31 Dec 2020 17:33

Tgt Ion: 43 Resp: 88328
Ion Ratio Lower Upper
43 100
58 9.9 35.4 53.0#

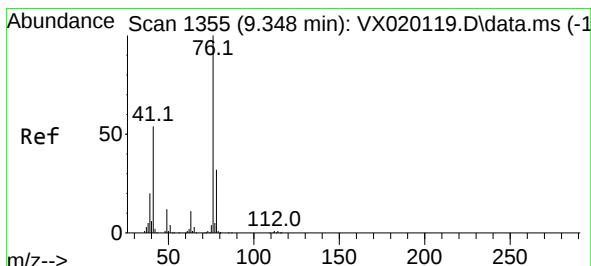
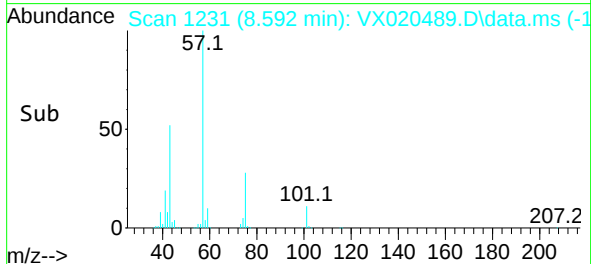
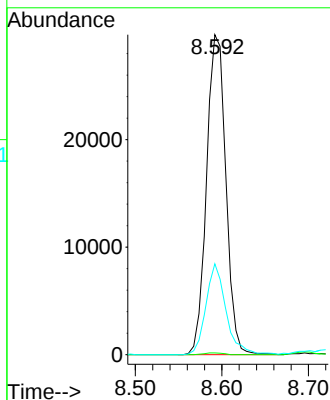
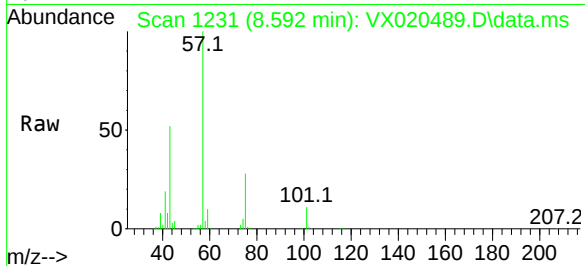




#54
 cis-1,3-Dichloropropene
 Concen: 9.63 ug/l
 RT: 8.592 min Scan# 1231
 Delta R.T. 0.183 min
 Lab File: VX020489.D
 Acq: 31 Dec 2020 17:33

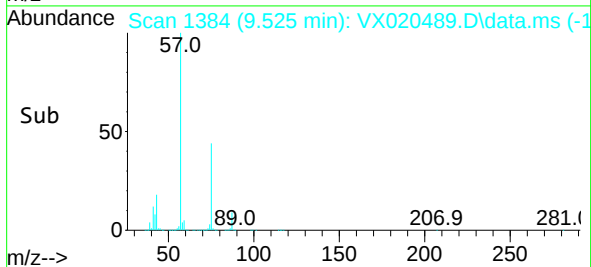
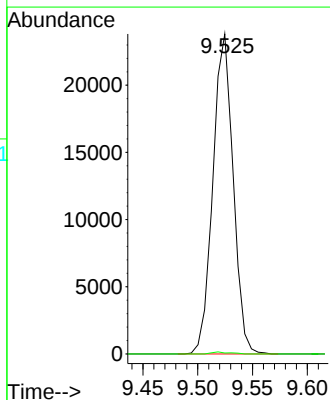
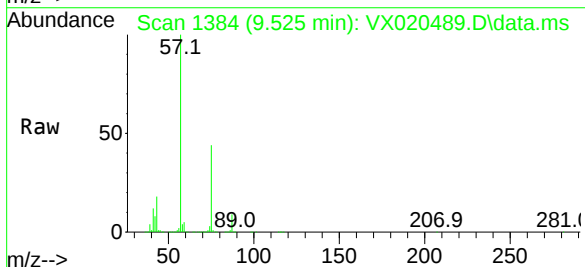
Instrument :
 MSVOA_X
 ClientSampleId :
 PB133875ZHE#18

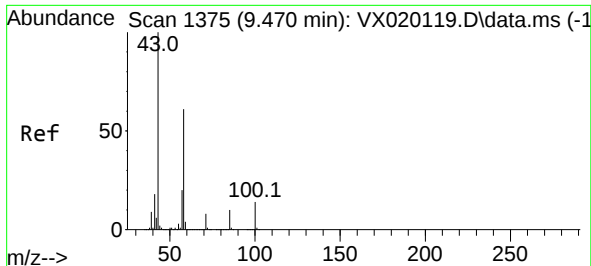
Tgt Ion: 75 Resp: 46084
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.7 38.5#
 39 28.4 35.1 52.7#



#57
 1,3-Dichloropropane
 Concen: 5.94 ug/l
 RT: 9.525 min Scan# 1384
 Delta R.T. 0.177 min
 Lab File: VX020489.D
 Acq: 31 Dec 2020 17:33

Tgt Ion: 76 Resp: 30616
 Ion Ratio Lower Upper
 76 100
 78 0.5 26.2 39.2#

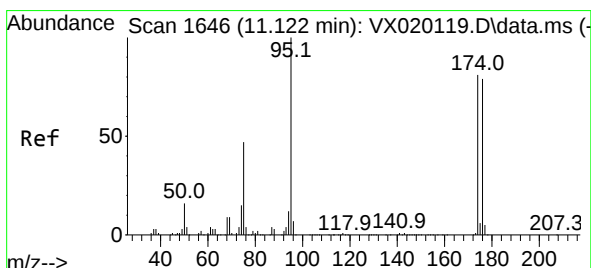
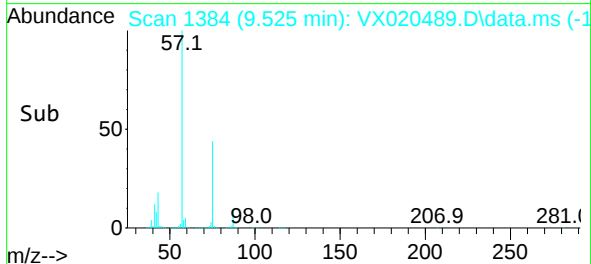
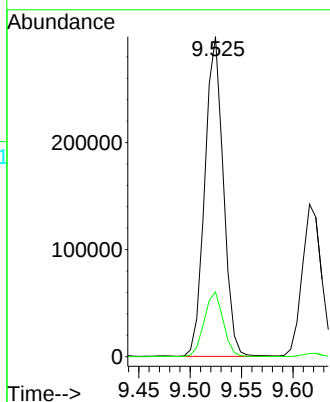
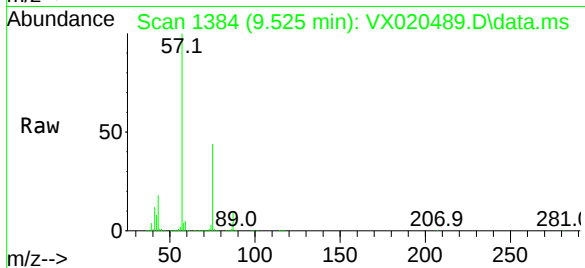




#59
2-Hexanone
Concen: 125.47 ug/l
RT: 9.525 min Scan# 1384
Delta R.T. 0.055 min
Lab File: VX020489.D
Acq: 31 Dec 2020 17:33

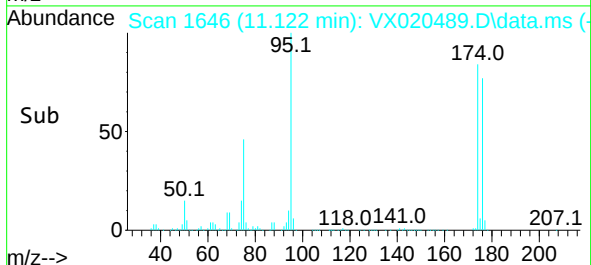
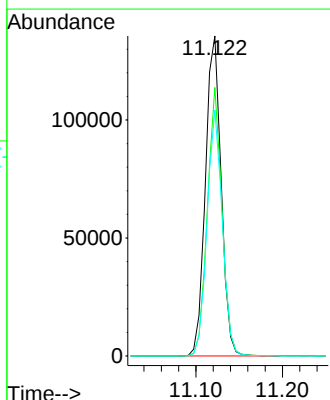
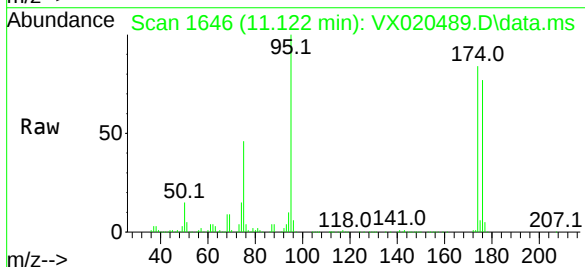
Instrument :
MSVOA_X
ClientSampleId :
PB133875ZHE#18

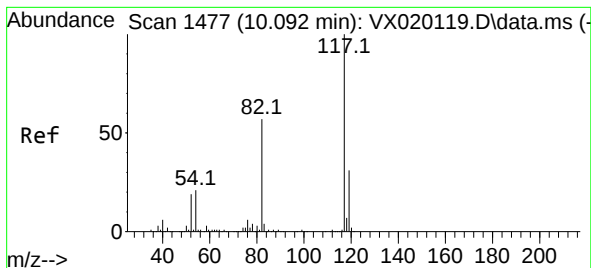
Tgt Ion: 43 Resp: 375026
Ion Ratio Lower Upper
43 100
58 20.8 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 46.39 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.000 min
Lab File: VX020489.D
Acq: 31 Dec 2020 17:33

Tgt Ion: 95 Resp: 170819
Ion Ratio Lower Upper
95 100
174 78.7 0.0 154.6
176 74.5 0.0 155.8

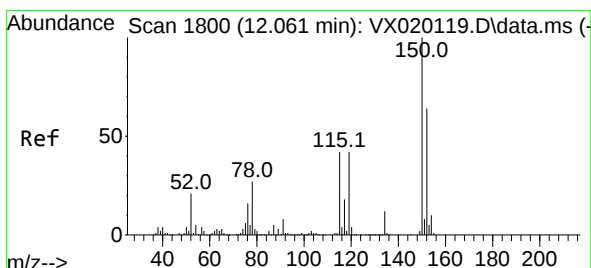
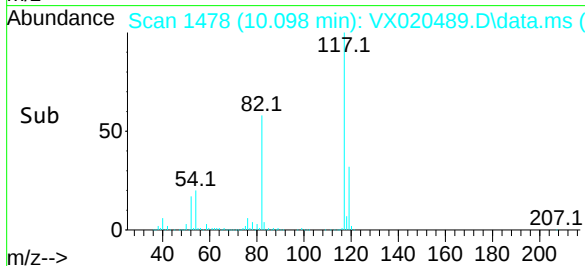
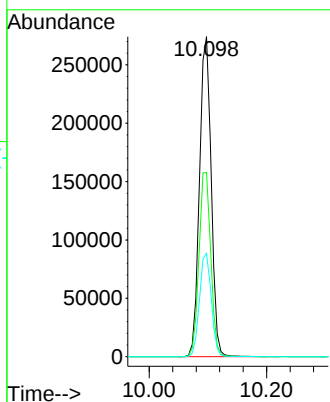
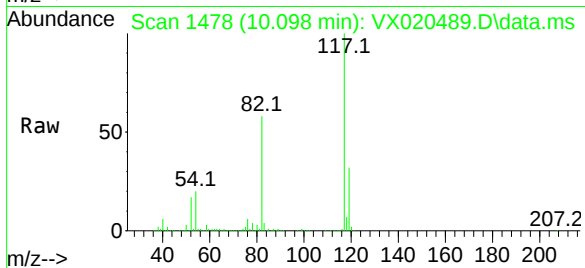




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.098 min Scan# 1478
Delta R.T. 0.006 min
Lab File: VX020489.D
Acq: 31 Dec 2020 17:33

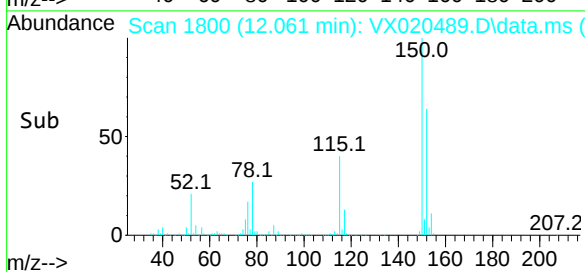
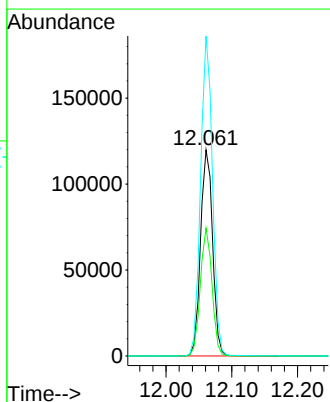
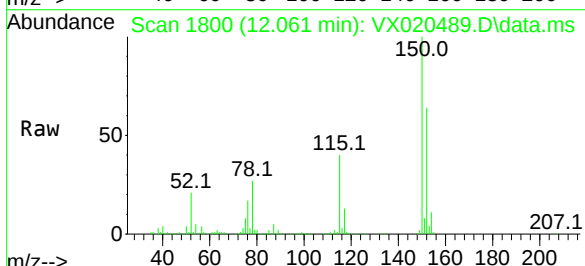
Instrument :
MSVOA_X
ClientSampleId :
PB133875ZHE#18

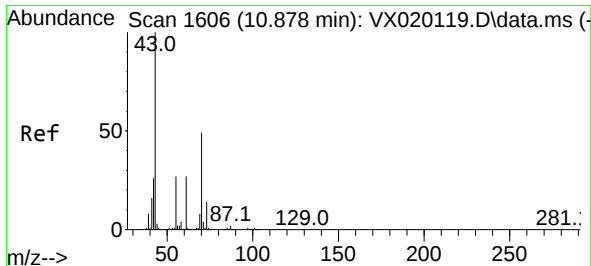
Tgt Ion:117 Resp: 378952
Ion Ratio Lower Upper
117 100
82 57.5 47.4 71.2
119 32.3 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.061 min Scan# 1800
Delta R.T. -0.000 min
Lab File: VX020489.D
Acq: 31 Dec 2020 17:33

Tgt Ion:152 Resp: 152253
Ion Ratio Lower Upper
152 100
115 60.1 41.1 123.3
150 152.9 0.0 349.0

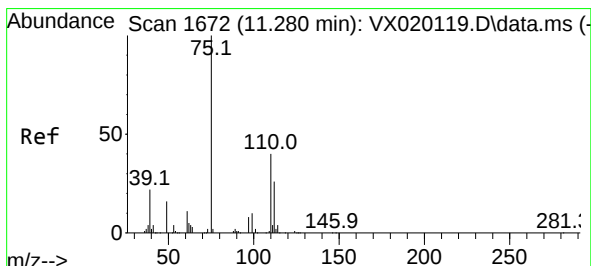
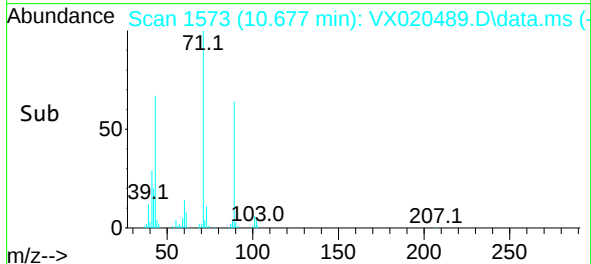
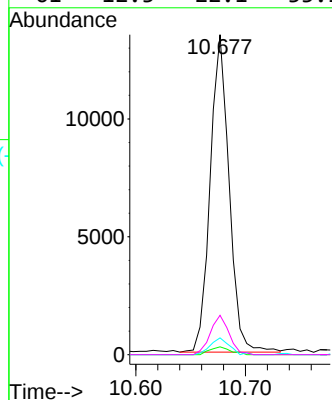
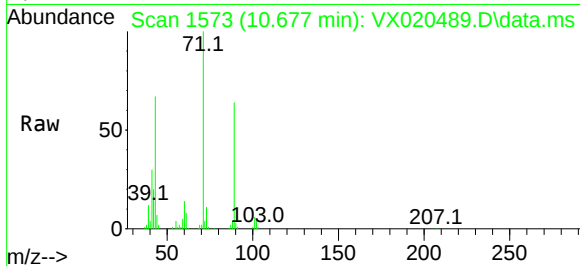




#74
N-amy1 acetate
Concen: 3.65 ug/l
RT: 10.677 min Scan# 1573
Delta R.T. -0.201 min
Lab File: VX020489.D
Acq: 31 Dec 2020 17:33

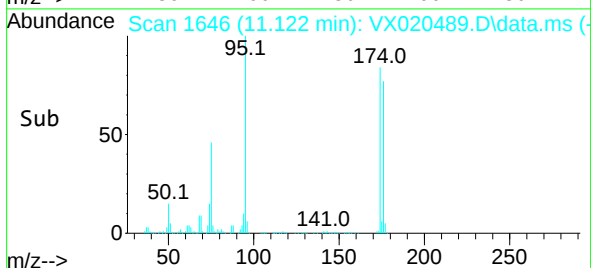
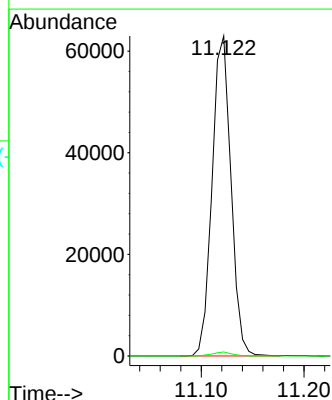
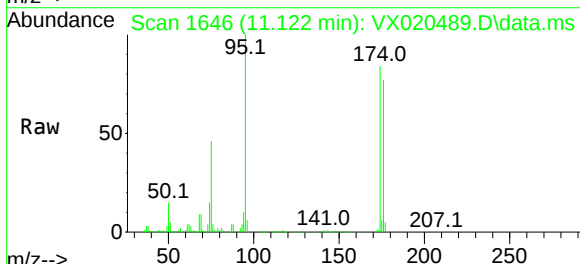
Instrument :
MSVOA_X
ClientSampleId :
PB133875ZHE#18

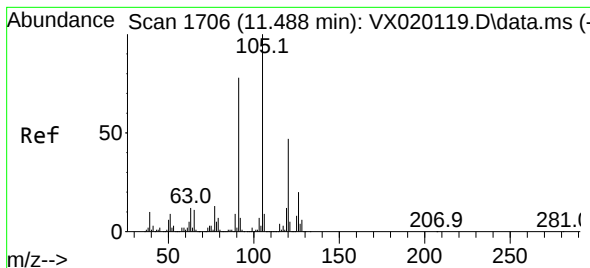
Tgt Ion: 43	Resp: 16163
Ion Ratio	Lower Upper
43 100	
70 2.7	39.0 58.6#
55 5.4	21.5 32.3#
61 12.3	22.1 33.1#



#76
1,2,3-Trichloropropane
Concen: 21.35 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.158 min
Lab File: VX020489.D
Acq: 31 Dec 2020 17:33

Tgt Ion: 75	Resp: 80057
Ion Ratio	Lower Upper
75 100	
77 1.2	19.1 57.5#

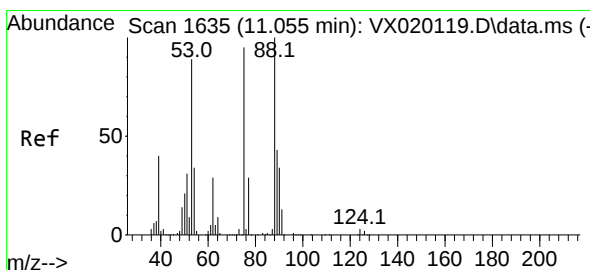
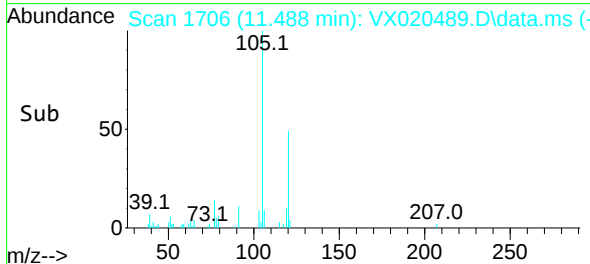
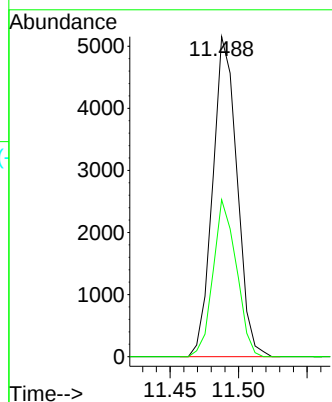
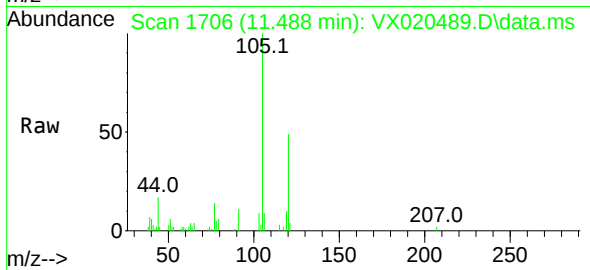




#80
1,3,5-Trimethylbenzene
Concen: 0.68 ug/l
RT: 11.488 min Scan# 1706
Delta R.T. -0.000 min
Lab File: VX020489.D
Acq: 31 Dec 2020 17:33

Instrument :
MSVOA_X
ClientSampleId :
PB133875ZHE#18

Tgt Ion:105 Resp: 6365
Ion Ratio Lower Upper
105 100
120 46.8 23.8 71.5



#81
trans-1,4-Dichloro-2-butene
Concen: 63.33 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. 0.067 min
Lab File: VX020489.D
Acq: 31 Dec 2020 17:33

Tgt Ion: 75 Resp: 80057
Ion Ratio Lower Upper
75 100
53 0.2 74.5 111.7#
89 0.0 37.9 56.9#

