

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123120\
 Data File : VX020486.D
 Acq On : 31 Dec 2020 16:23
 Operator : JC/MD
 Sample : PB133875ZHE#15
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB133875ZHE#15

Quant Time: Jan 01 00:11:56 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)

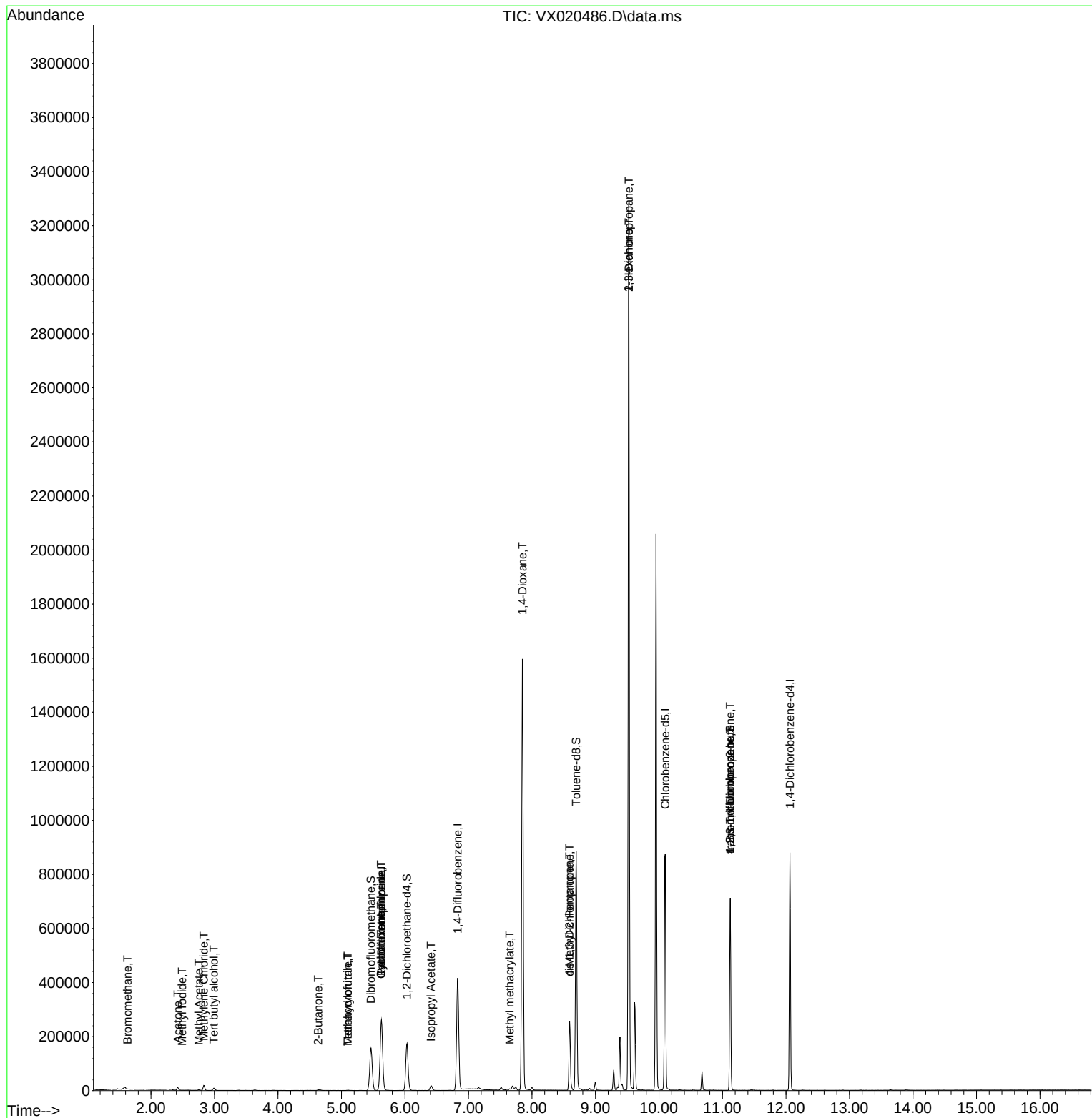
Internal Standards						
1) Pentafluorobenzene	5.629	168	247593	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.830	114	418822	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.098	117	420227	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	182558	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.032	65	164917	49.69	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	99.38%		
35) Dibromofluoromethane	5.465	113	136085	50.79	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	101.58%		
50) Toluene-d8	8.696	98	530577	51.45	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	102.90%		
62) 4-Bromofluorobenzene	11.122	95	194070	49.17	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	98.34%		
Target Compounds						Qvalue
5) Bromomethane	1.630	94	428	0.39	ug/l #	61
10) Methyl Iodide	2.489	142	54	3.30	ug/l #	42
11) Tert butyl alcohol	2.989	59	5307	7.14	ug/l #	74
16) Acetone	2.422	43	11383	7.52	ug/l	100
18) Methyl Acetate	2.752	43	3151	0.93	ug/l	91
20) Methylene Chloride	2.831	84	8465	2.48	ug/l	89
25) 2-Butanone	4.635	43	3055	1.39	ug/l #	84
29) Tetrahydrofuran	5.099	42	1033	0.75	ug/l #	74
31) Cyclohexane	5.623	56	5035	1.10	ug/l #	1
36) 1,1-Dichloropropene	5.629	75	19402	4.69	ug/l #	48
38) Carbon Tetrachloride	5.623	117	24378	6.19	ug/l #	17
41) Methacrylonitrile	5.099	41	616	0.27	ug/l #	40
43) Isopropyl Acetate	6.409	43	23049	3.39	ug/l	98
48) Methyl methacrylate	7.647	41	6885	2.07	ug/l #	10
49) 1,4-Dioxane	7.848	88	248	3.18	ug/l #	1
51) 4-Methyl-2-Pentanone	8.592	43	81661	19.42	ug/l #	47
54) cis-1,3-Dichloropropene	8.592	75	42164	8.22	ug/l #	62
57) 1,3-Dichloropropane	9.525	76	28711	5.20	ug/l #	43
59) 2-Hexanone	9.525	43	349405	109.06	ug/l #	46
76) 1,2,3-Trichloropropane	11.122	75	94940	21.11	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.122	75	94940	62.64	ug/l #	12

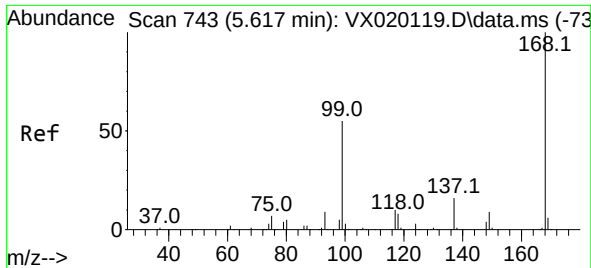
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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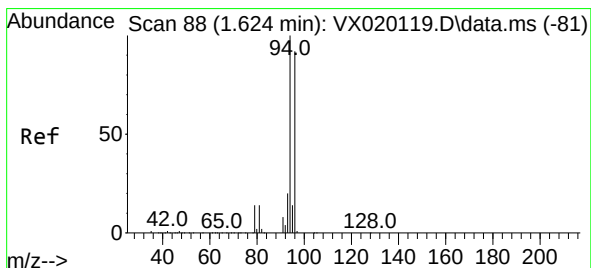
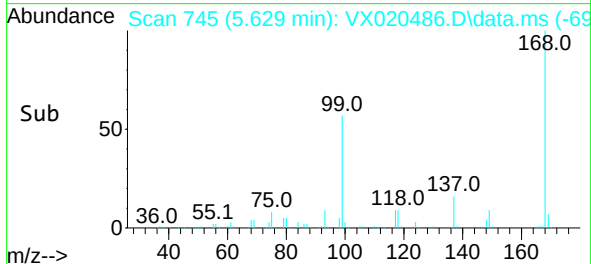
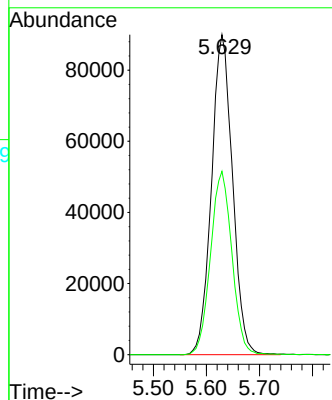
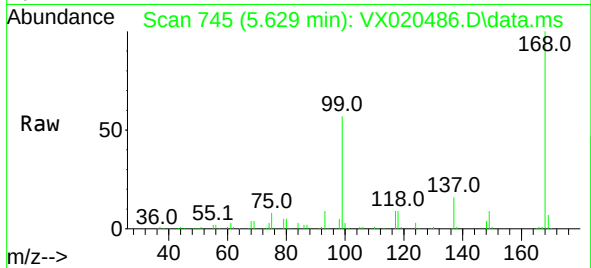




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 745
Delta R.T. 0.012 min
Lab File: VX020486.D
Acq: 31 Dec 2020 16:23

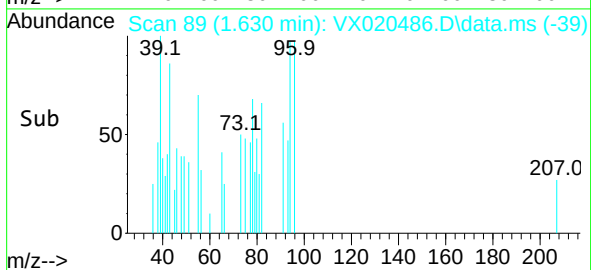
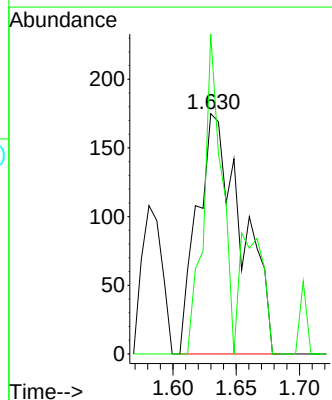
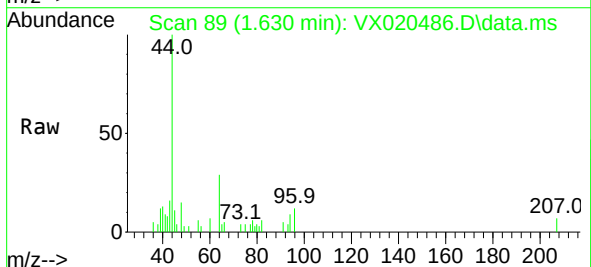
Instrument :
MSVOA_X
ClientSampleId :
PB133875ZHE#15

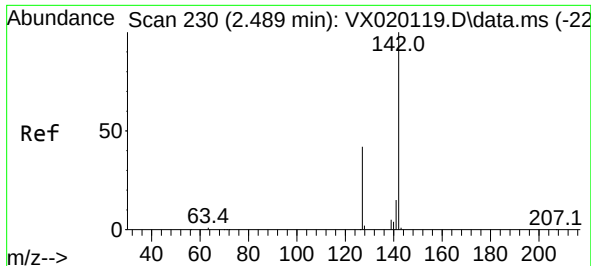
Tgt Ion:168 Resp: 247593
Ion Ratio Lower Upper
168 100
99 57.3 45.8 68.6



#5
Bromomethane
Concen: 0.39 ug/l
RT: 1.630 min Scan# 89
Delta R.T. 0.006 min
Lab File: VX020486.D
Acq: 31 Dec 2020 16:23

Tgt Ion: 94 Resp: 428
Ion Ratio Lower Upper
94 100
96 133.1 76.4 114.6#

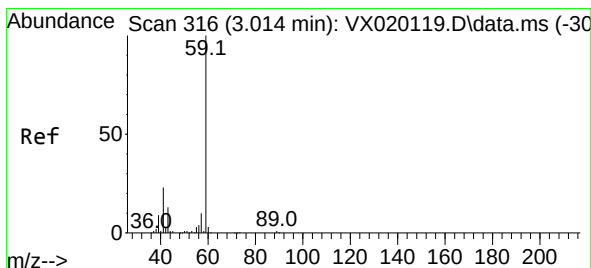
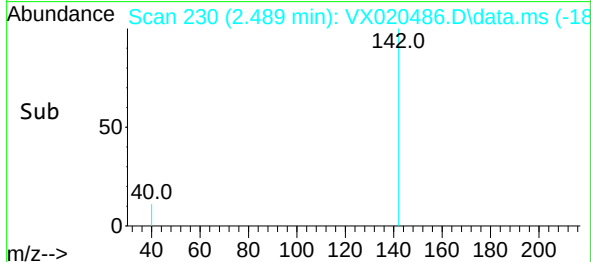
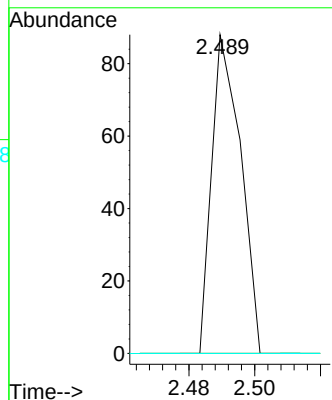
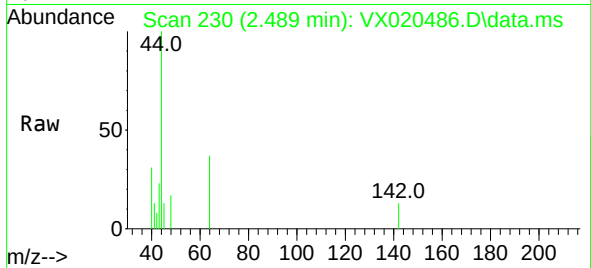




#10
Methyl Iodide
Concen: 3.30 ug/l
RT: 2.489 min Scan# 230
Delta R.T. 0.000 min
Lab File: VX020486.D
Acq: 31 Dec 2020 16:23

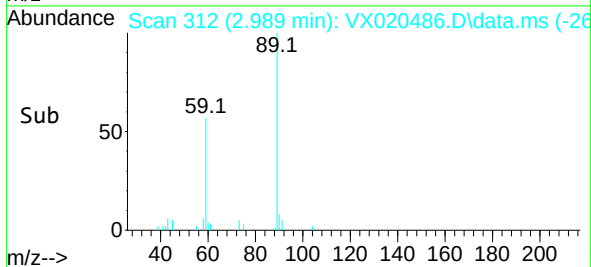
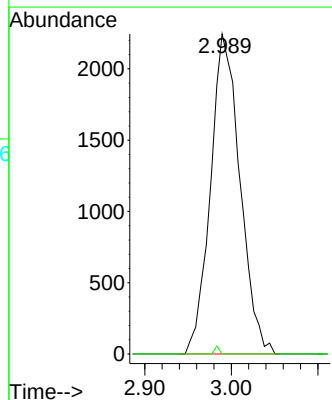
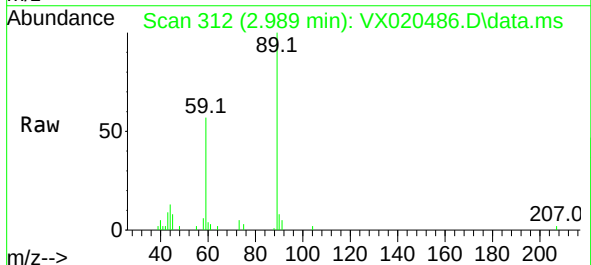
Instrument :
MSVOA_X
ClientSampleId :
PB133875ZHE#15

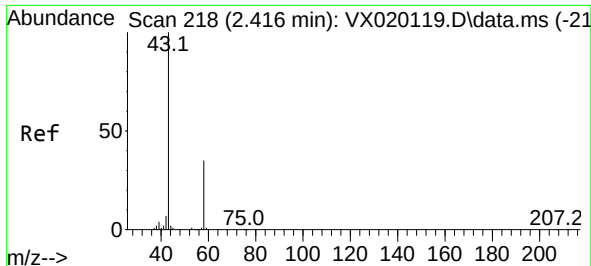
Tgt Ion:142 Resp: 54
Ion Ratio Lower Upper
142 100
127 0.0 33.3 49.9#
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 7.14 ug/l
RT: 2.989 min Scan# 312
Delta R.T. -0.025 min
Lab File: VX020486.D
Acq: 31 Dec 2020 16:23

Tgt Ion: 59 Resp: 5307
Ion Ratio Lower Upper
59 100
57 0.4 7.8 11.8#

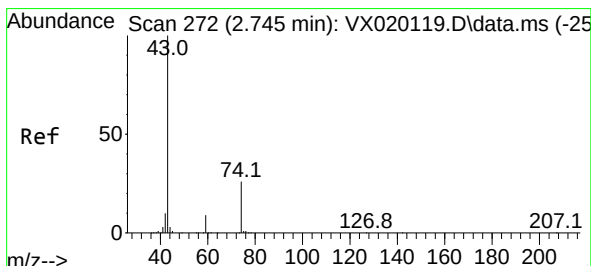
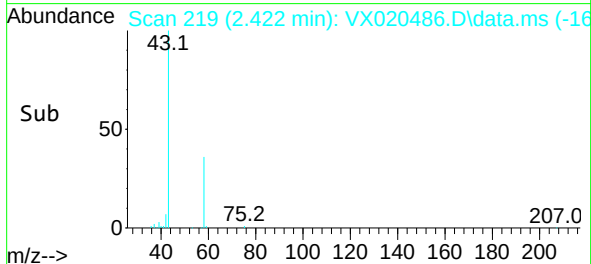
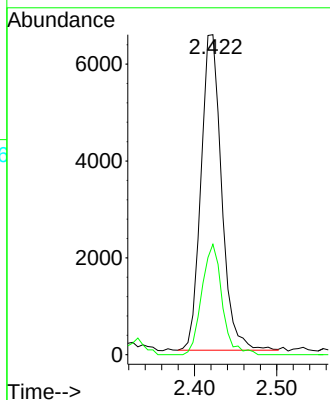
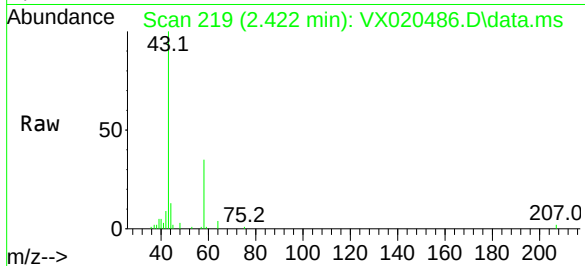




#16
Acetone
Concen: 7.52 ug/l
RT: 2.422 min Scan# 219
Delta R.T. 0.006 min
Lab File: VX020486.D
Acq: 31 Dec 2020 16:23

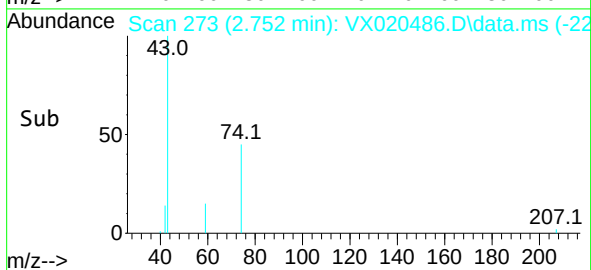
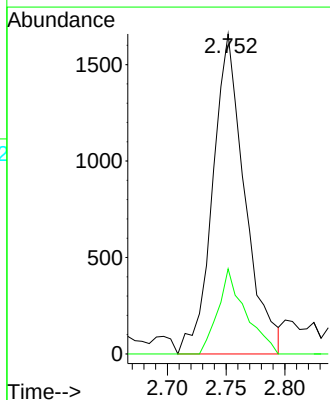
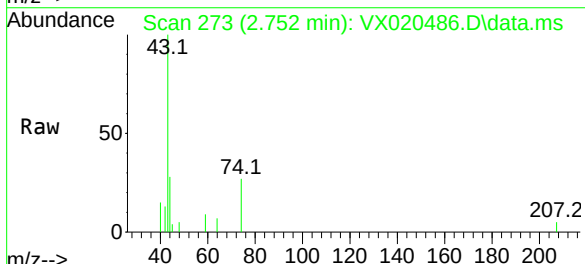
Instrument :
MSVOA_X
ClientSampleId :
PB133875ZHE#15

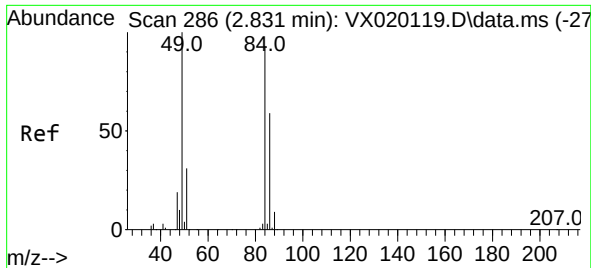
Tgt Ion: 43 Resp: 11383
Ion Ratio Lower Upper
43 100
58 35.0 27.8 41.8



#18
Methyl Acetate
Concen: 0.93 ug/l
RT: 2.752 min Scan# 273
Delta R.T. 0.007 min
Lab File: VX020486.D
Acq: 31 Dec 2020 16:23

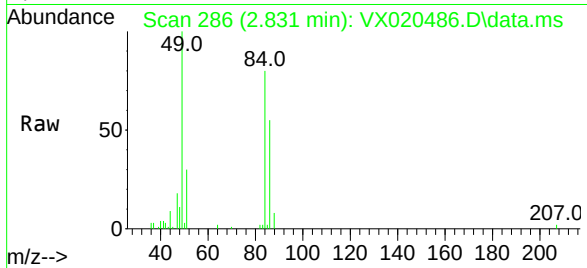
Tgt Ion: 43 Resp: 3151
Ion Ratio Lower Upper
43 100
74 22.8 21.9 32.9



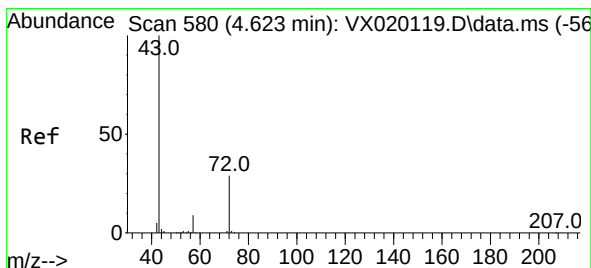
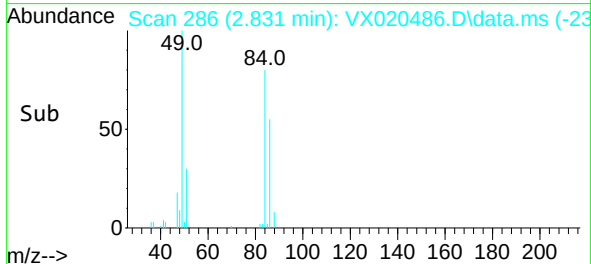
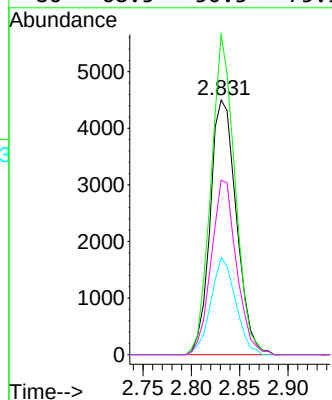


#20
Methylene Chloride
Concen: 2.48 ug/l
RT: 2.831 min Scan# 286
Delta R.T. -0.000 min
Lab File: VX020486.D
Acq: 31 Dec 2020 16:23

Instrument :
MSVOA_X
ClientSampleId :
PB133875ZHE#15

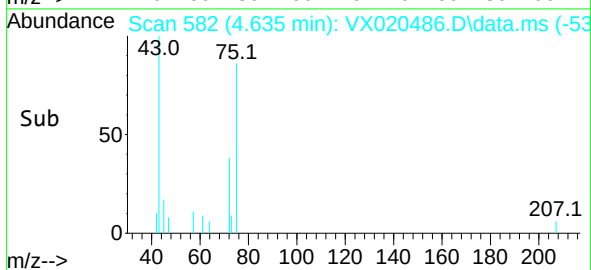
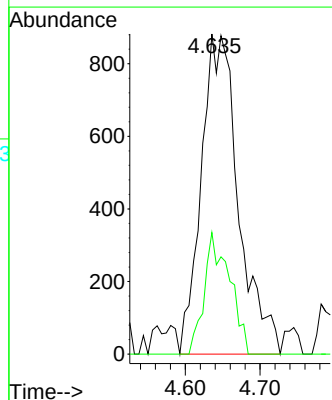
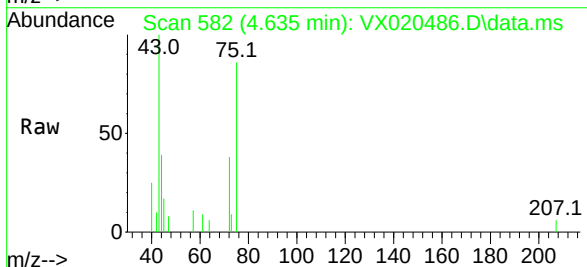


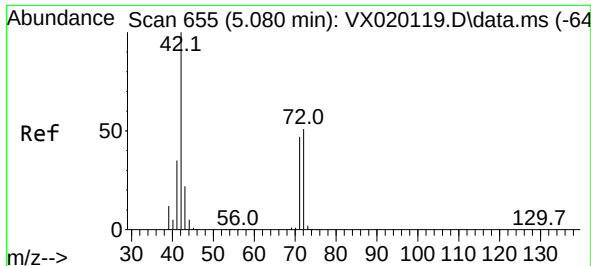
Tgt Ion:	84	Resp:	8465
Ion	Ratio	Lower	Upper
84	100		
49	125.6	88.6	132.8
51	38.1	27.0	40.6
86	68.5	50.3	75.5



#25
2-Butanone
Concen: 1.39 ug/l
RT: 4.635 min Scan# 582
Delta R.T. 0.012 min
Lab File: VX020486.D
Acq: 31 Dec 2020 16:23

Tgt Ion:	43	Resp:	3055
Ion	Ratio	Lower	Upper
43	100		
72	38.0	23.7	35.5#





#29

Tetrahydrofuran

Concen: 0.75 ug/l

RT: 5.099 min Scan# 658

Delta R.T. 0.019 min

Lab File: VX020486.D

Acq: 31 Dec 2020 16:23

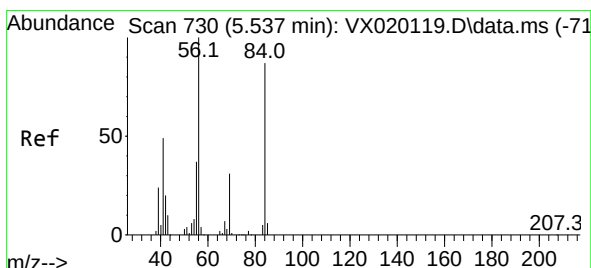
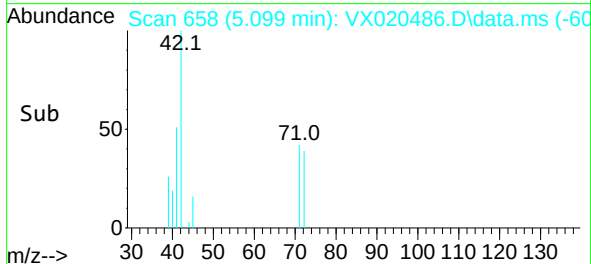
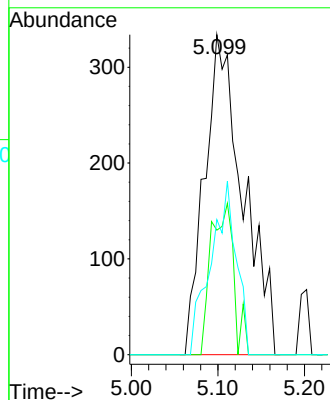
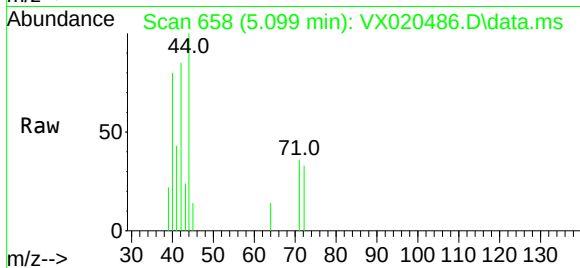
Instrument :

MSVOA_X

ClientSampleId :

PB133875ZHE#15

Tgt Ion:	42	Resp:	1033
Ion	Ratio	Lower	Upper
42	100		
72	27.9	41.7	62.5#
71	36.0	38.4	57.6#



#31

Cyclohexane

Concen: 1.10 ug/l

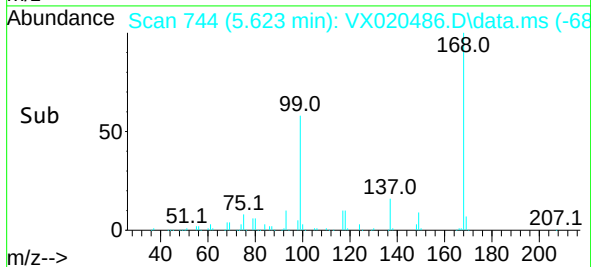
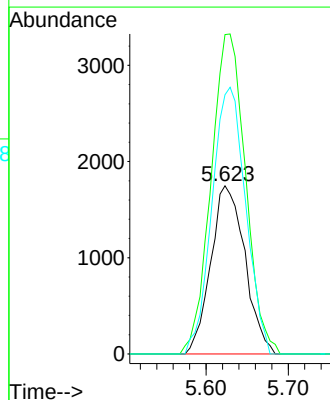
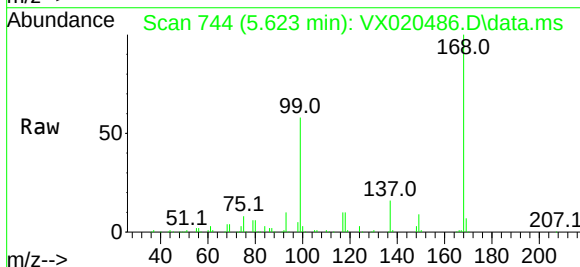
RT: 5.623 min Scan# 744

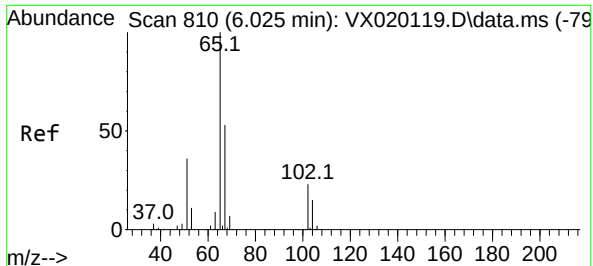
Delta R.T. 0.086 min

Lab File: VX020486.D

Acq: 31 Dec 2020 16:23

Tgt Ion:	56	Resp:	5035
Ion	Ratio	Lower	Upper
56	100		
69	189.9	25.3	37.9#
84	154.1	71.4	107.0#





#33

1,2-Dichloroethane-d4

Concen: 49.69 ug/l

RT: 6.032 min Scan# 811

Delta R.T. 0.006 min

Lab File: VX020486.D

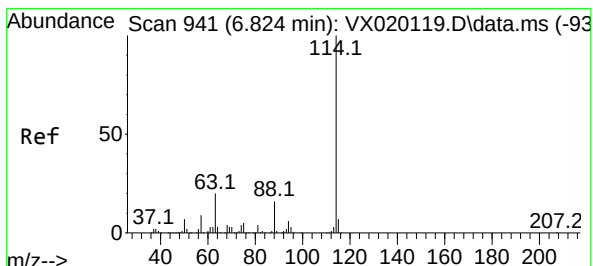
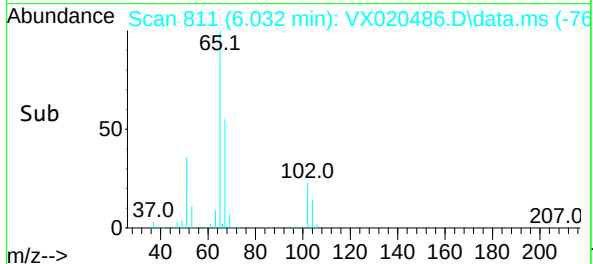
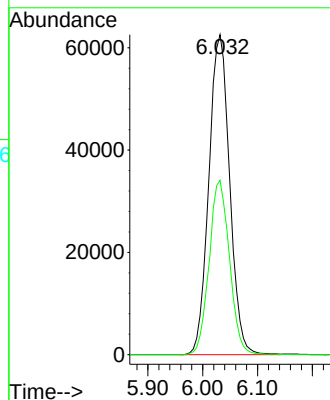
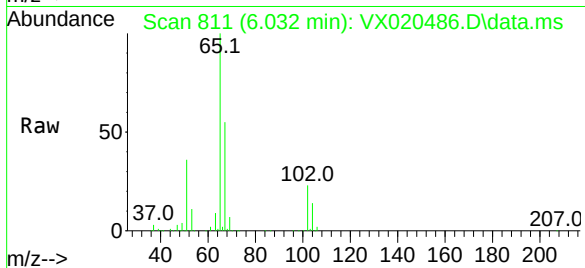
Acq: 31 Dec 2020 16:23

Tgt Ion: 65 Resp: 164917

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: VX020486.D

Acq: 31 Dec 2020 16:23

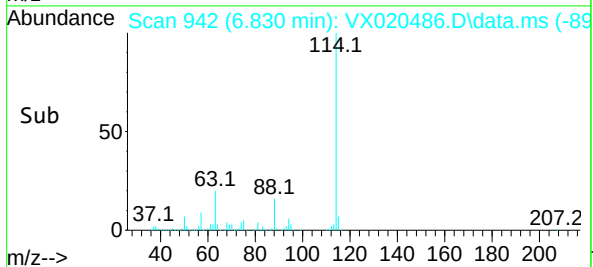
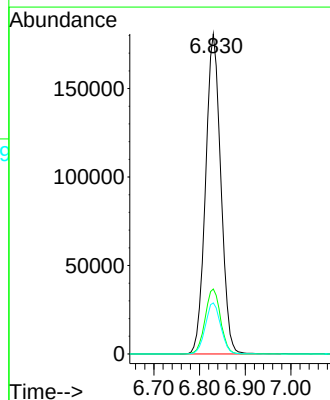
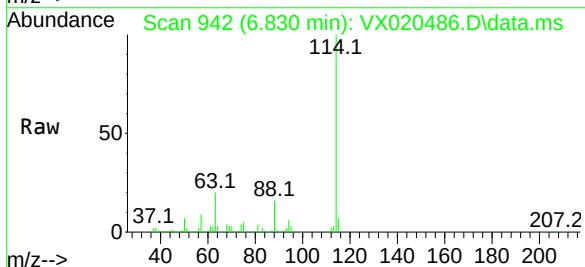
Tgt Ion: 114 Resp: 418822

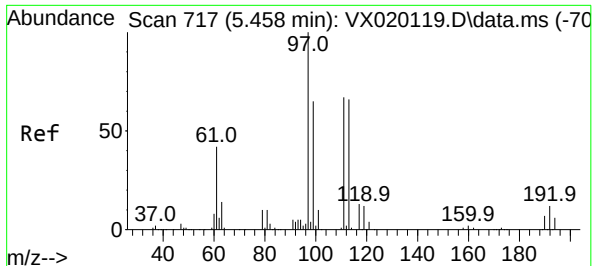
Ion Ratio Lower Upper

114 100

63 20.3 0.0 40.8

88 15.9 0.0 32.8





#35

Dibromofluoromethane

Concen: 50.79 ug/l

RT: 5.465 min Scan# 718

Delta R.T. 0.007 min

Lab File: VX020486.D

Acq: 31 Dec 2020 16:23

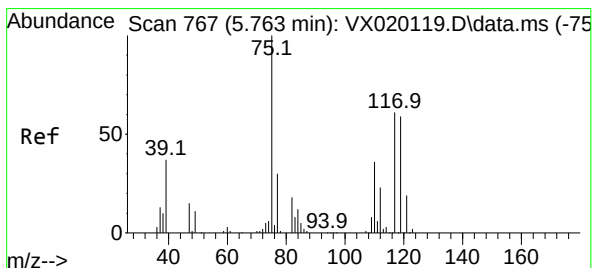
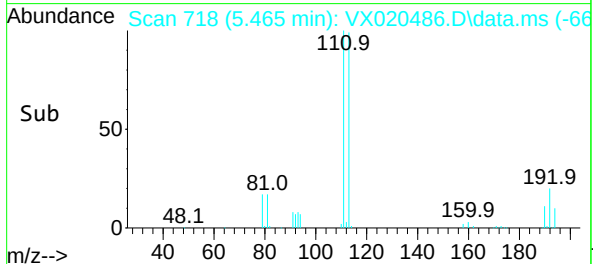
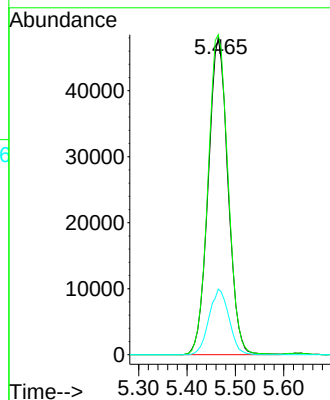
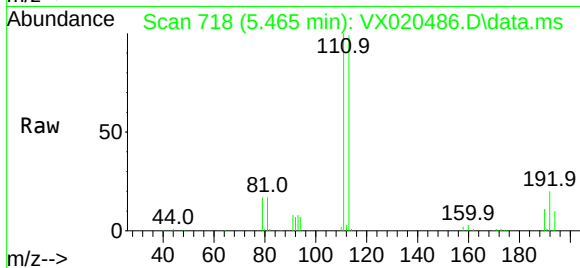
Tgt Ion:113 Resp: 136085

Ion Ratio Lower Upper

113 100

111 102.9 81.9 122.9

192 20.9 16.7 25.1



#36

1,1-Dichloropropene

Concen: 4.69 ug/l

RT: 5.629 min Scan# 745

Delta R.T. -0.134 min

Lab File: VX020486.D

Acq: 31 Dec 2020 16:23

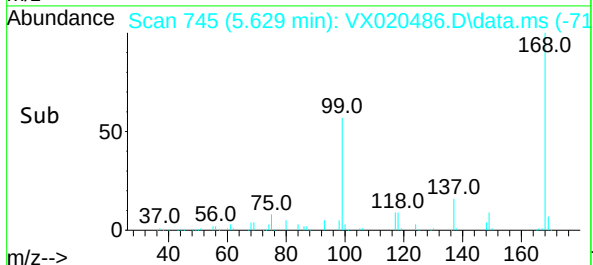
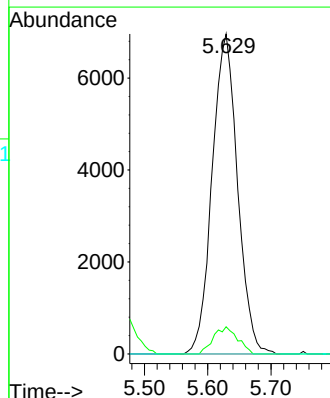
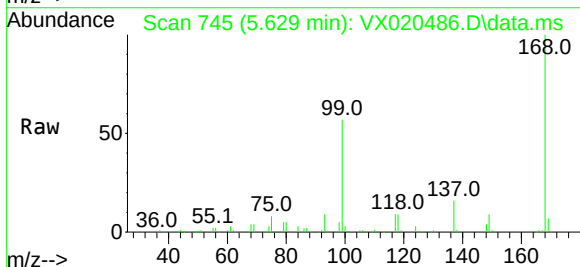
Tgt Ion: 75 Resp: 19402

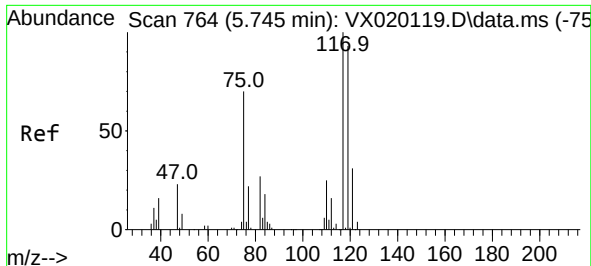
Ion Ratio Lower Upper

75 100

110 8.1 18.1 54.4#

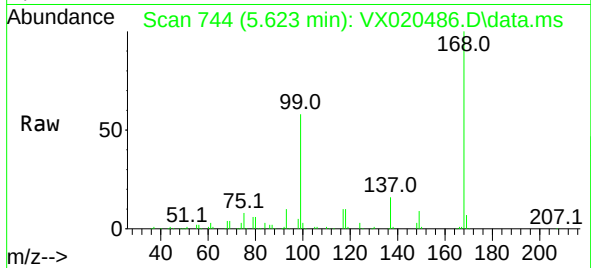
77 0.0 25.3 37.9#



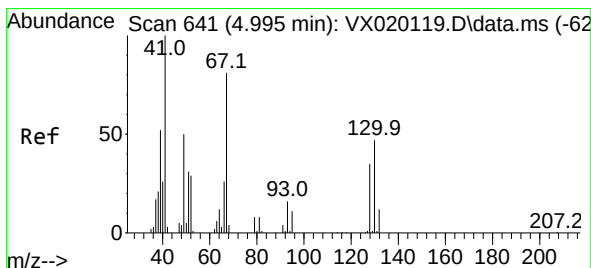
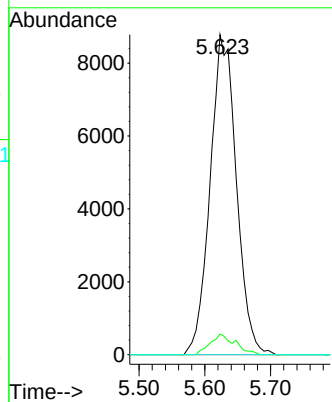
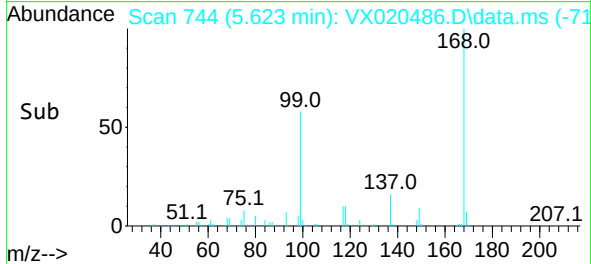


#38
Carbon Tetrachloride
Concen: 6.19 ug/l
RT: 5.623 min Scan# 744
Delta R.T. -0.122 min
Lab File: VX020486.D
Acq: 31 Dec 2020 16:23

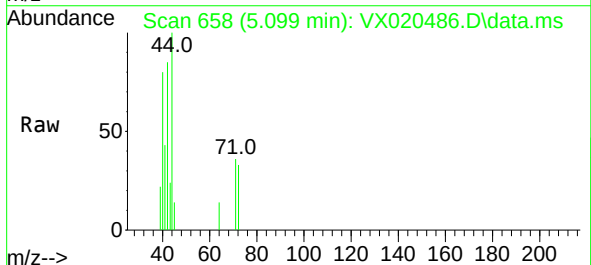
Instrument :
MSVOA_X
ClientSampleId :
PB133875ZHE#15



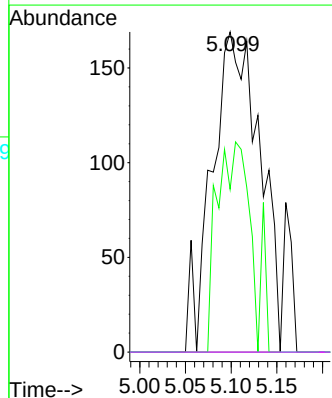
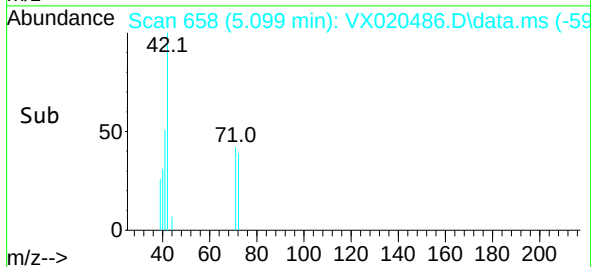
Tgt Ion:117 Resp: 24378
Ion Ratio Lower Upper
117 100
119 6.4 76.2 114.2#
121 0.0 24.8 37.2#

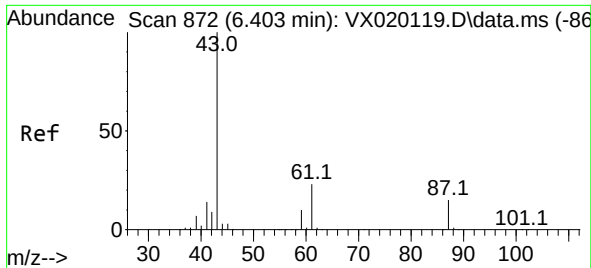


#41
Methacrylonitrile
Concen: 0.27 ug/l
RT: 5.099 min Scan# 658
Delta R.T. 0.104 min
Lab File: VX020486.D
Acq: 31 Dec 2020 16:23



Tgt Ion: 41 Resp: 616
Ion Ratio Lower Upper
41 100
39 42.9 42.5 63.7
67 0.0 65.0 97.6#
52 0.0 25.3 37.9#

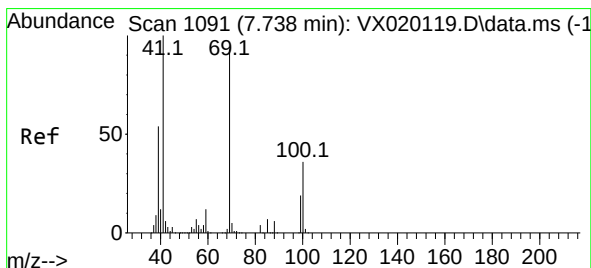
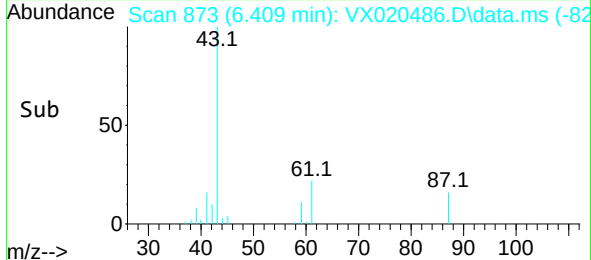
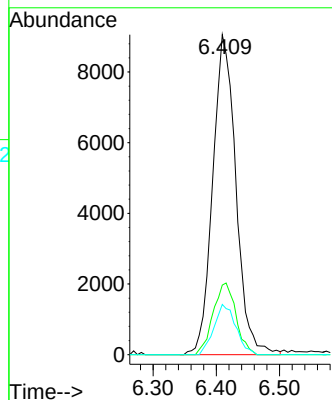
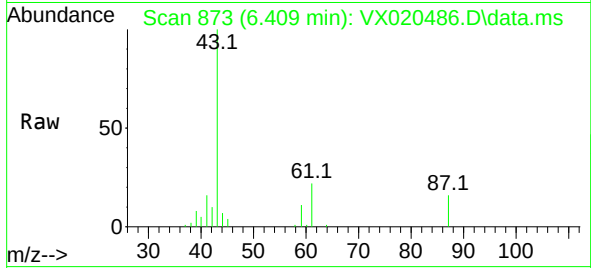




#43
Isopropyl Acetate
Concen: 3.39 ug/l
RT: 6.409 min Scan# 873
Delta R.T. 0.006 min
Lab File: VX020486.D
Acq: 31 Dec 2020 16:23

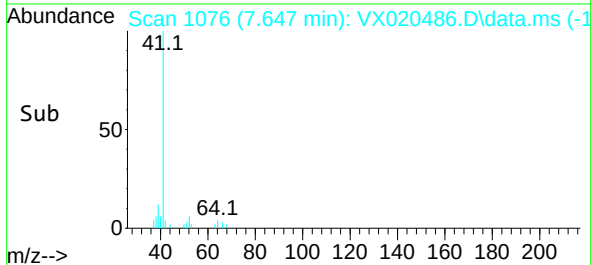
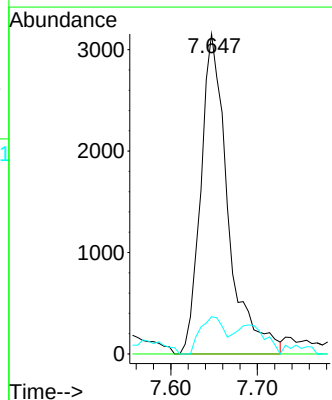
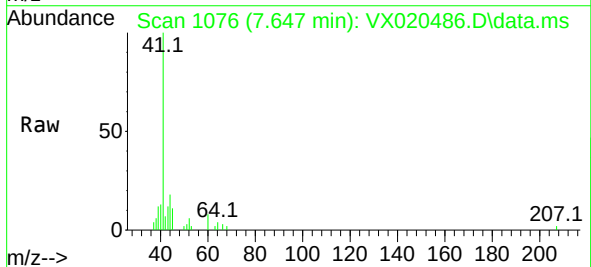
Instrument :
MSVOA_X
ClientSampleId :
PB133875ZHE#15

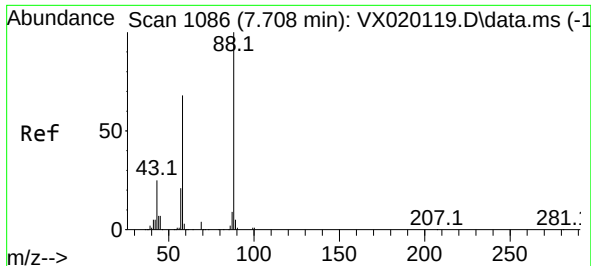
Tgt Ion: 43	Resp: 23049
Ion Ratio	Lower Upper
43 100	
61 22.0	18.2 27.4
87 14.8	12.5 18.7



#48
Methyl methacrylate
Concen: 2.07 ug/l
RT: 7.647 min Scan# 1076
Delta R.T. -0.091 min
Lab File: VX020486.D
Acq: 31 Dec 2020 16:23

Tgt Ion: 41	Resp: 6885
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: 3.18 ug/l

RT: 7.848 min Scan# 1109

Delta R.T. 0.140 min

Lab File: VX020486.D

Acq: 31 Dec 2020 16:23

Instrument :

MSVOA_X

ClientSampleId :

PB133875ZHE#15

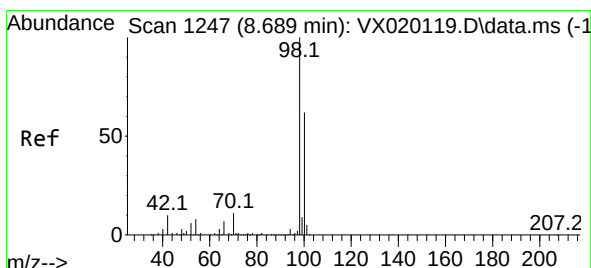
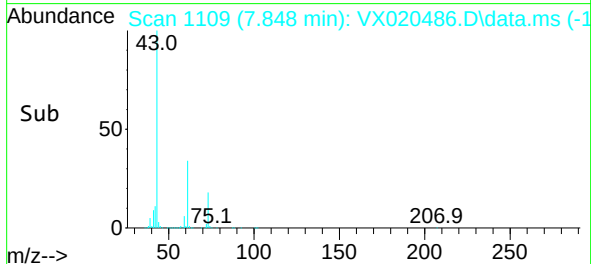
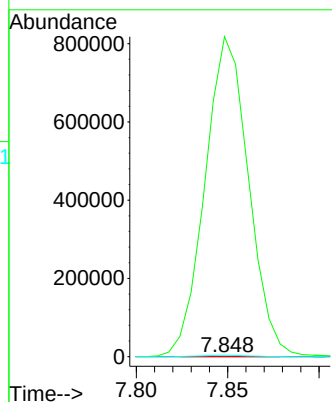
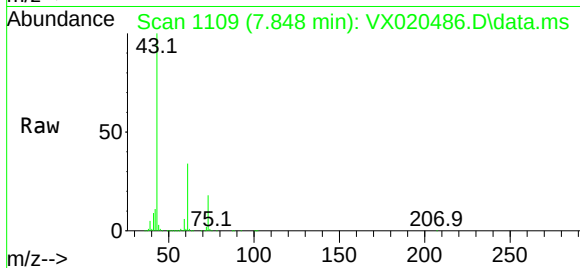
Tgt Ion: 88 Resp: 248

Ion Ratio Lower Upper

88 100

43 550628.2 23.2 34.8#

58 2848.4 55.0 82.4#



#50

Toluene-d8

Concen: 51.45 ug/l

RT: 8.696 min Scan# 1248

Delta R.T. 0.007 min

Lab File: VX020486.D

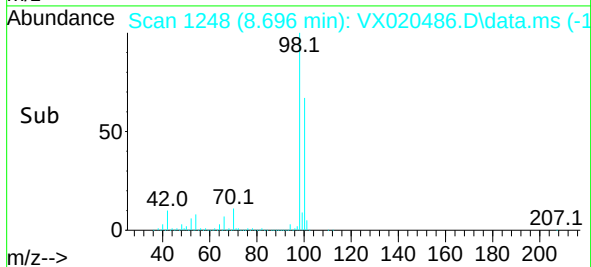
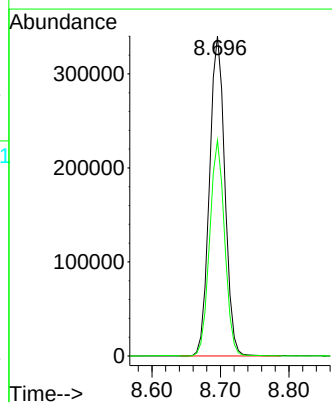
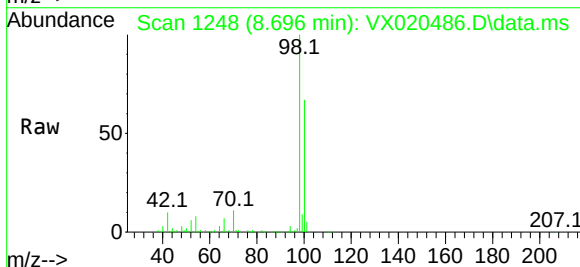
Acq: 31 Dec 2020 16:23

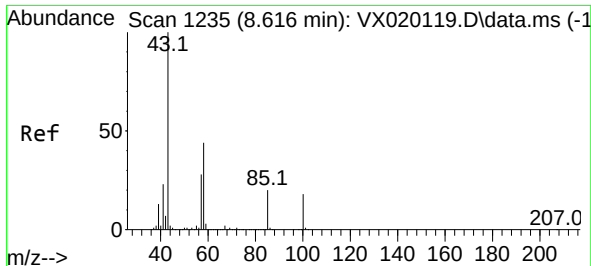
Tgt Ion: 98 Resp: 530577

Ion Ratio Lower Upper

98 100

100 65.9 51.9 77.9

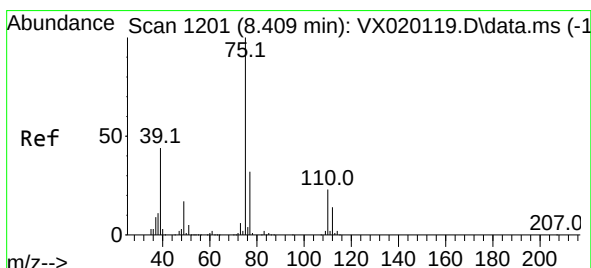
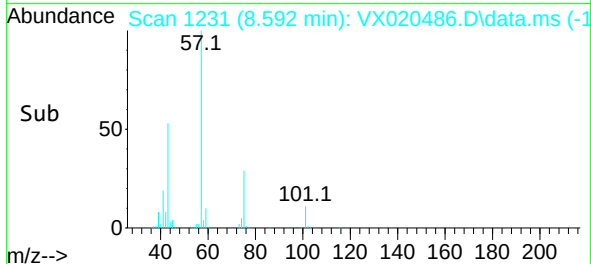
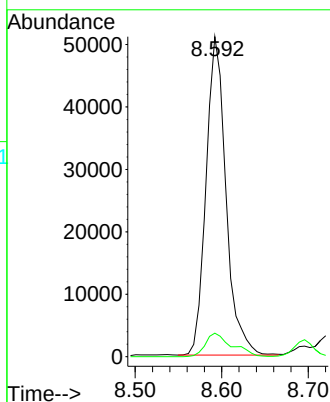
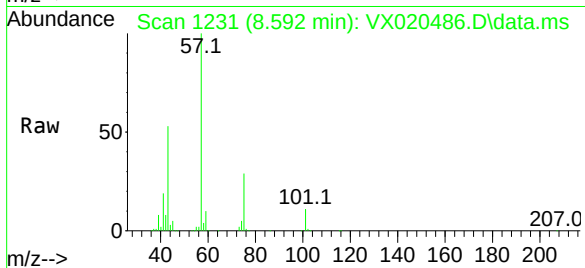




#51
4-Methyl-2-Pentanone
Concen: 19.42 ug/l
RT: 8.592 min Scan# 1231
Delta R.T. -0.024 min
Lab File: VX020486.D
Acq: 31 Dec 2020 16:23

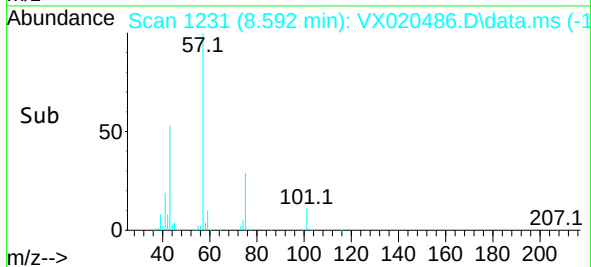
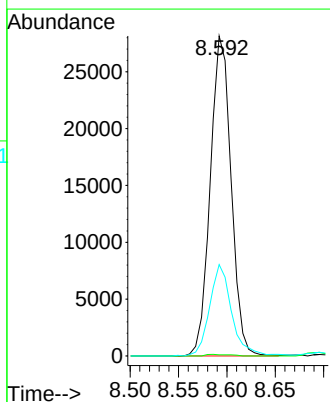
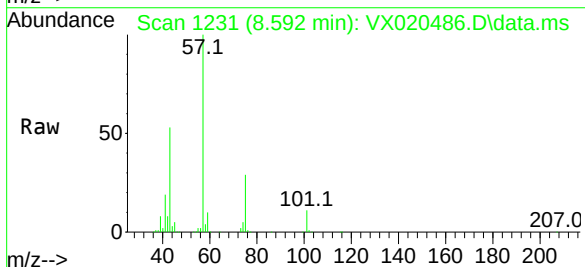
Instrument :
MSVOA_X
ClientSampleId :
PB133875ZHE#15

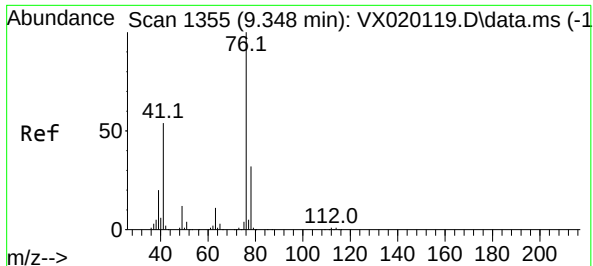
Tgt Ion: 43 Resp: 81661
Ion Ratio Lower Upper
43 100
58 9.9 35.4 53.0#



#54
cis-1,3-Dichloropropene
Concen: 8.22 ug/l
RT: 8.592 min Scan# 1231
Delta R.T. 0.183 min
Lab File: VX020486.D
Acq: 31 Dec 2020 16:23

Tgt Ion: 75 Resp: 42164
Ion Ratio Lower Upper
75 100
77 0.4 25.7 38.5#
39 28.4 35.1 52.7#

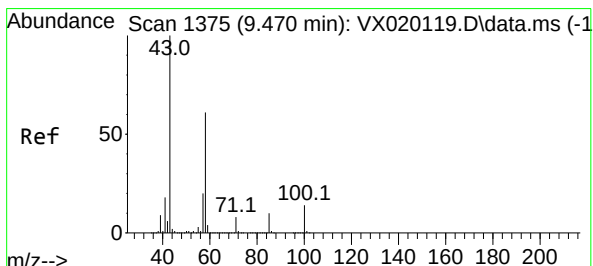
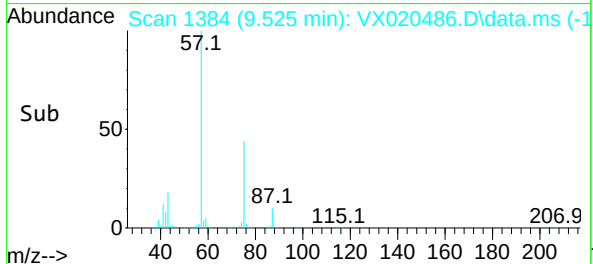
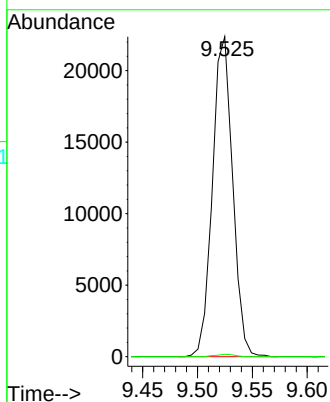
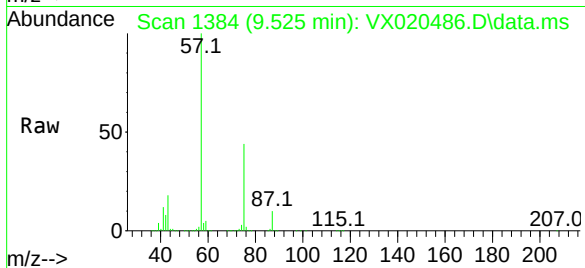




#57
1,3-Dichloropropane
Concen: 5.20 ug/l
RT: 9.525 min Scan# 1384
Delta R.T. 0.177 min
Lab File: VX020486.D
Acq: 31 Dec 2020 16:23

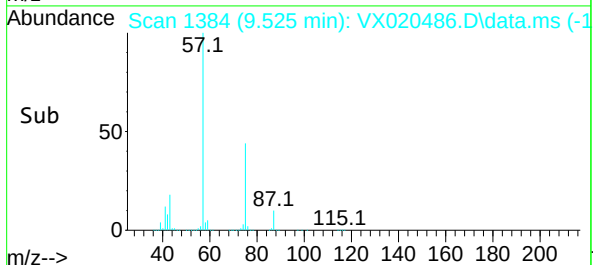
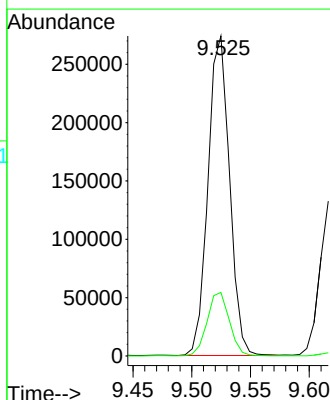
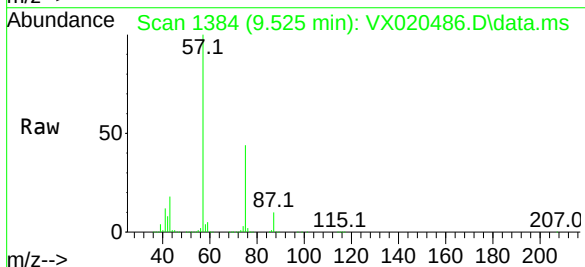
Instrument :
MSVOA_X
ClientSampleId :
PB133875ZHE#15

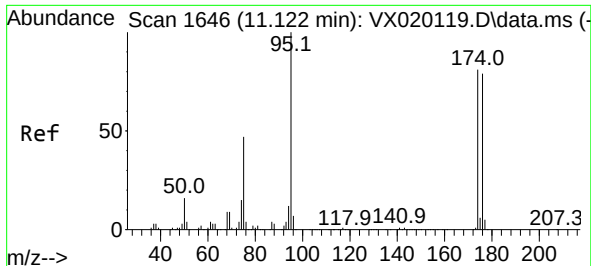
Tgt Ion: 76 Resp: 28711
Ion Ratio Lower Upper
76 100
78 0.7 26.2 39.2#



#59
2-Hexanone
Concen: 109.06 ug/l
RT: 9.525 min Scan# 1384
Delta R.T. 0.055 min
Lab File: VX020486.D
Acq: 31 Dec 2020 16:23

Tgt Ion: 43 Resp: 349405
Ion Ratio Lower Upper
43 100
58 20.6 30.9 92.8#

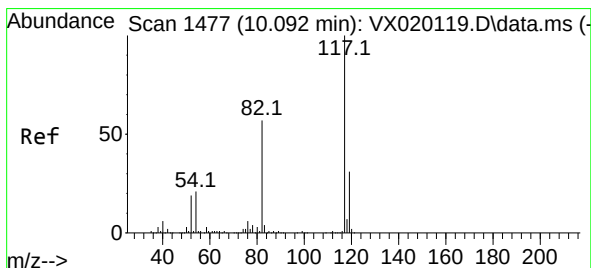
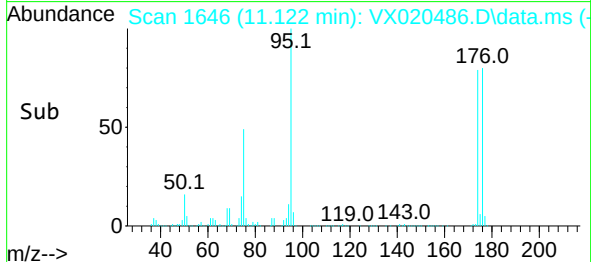
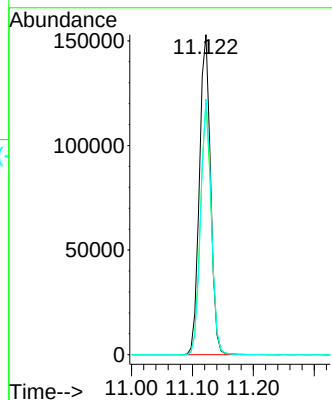
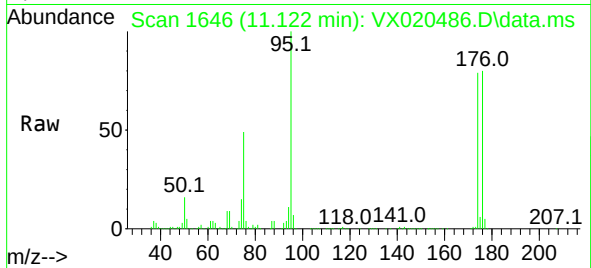




#62
4-Bromofluorobenzene
Concen: 49.17 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. 0.000 min
Lab File: VX020486.D
Acq: 31 Dec 2020 16:23

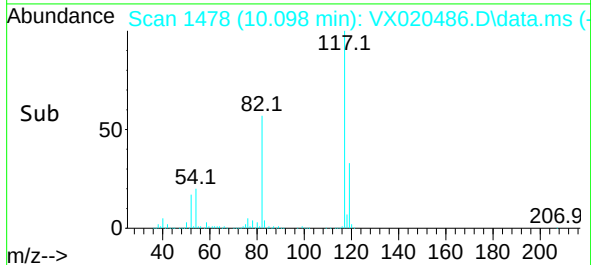
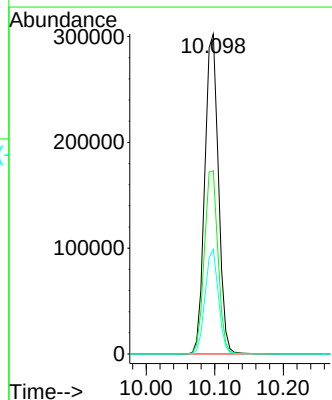
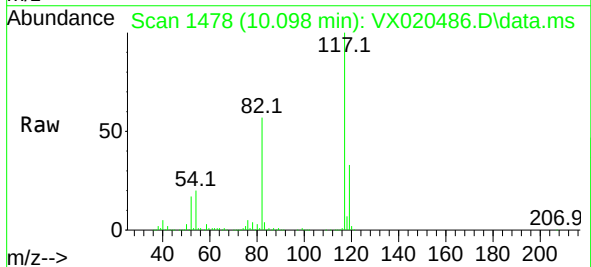
Instrument :
MSVOA_X
ClientSampleId :
PB133875ZHE#15

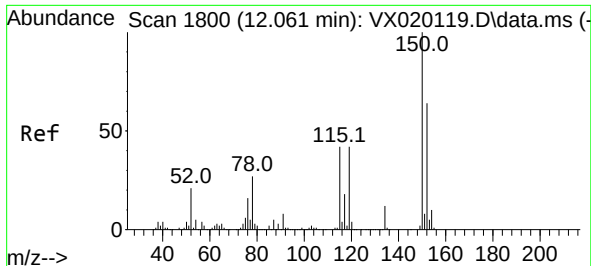
Tgt Ion: 95 Resp: 194070
Ion Ratio Lower Upper
95 100
174 77.1 0.0 154.6
176 77.2 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.098 min Scan# 1478
Delta R.T. 0.006 min
Lab File: VX020486.D
Acq: 31 Dec 2020 16:23

Tgt Ion: 117 Resp: 420227
Ion Ratio Lower Upper
117 100
82 57.3 47.4 71.2
119 32.6 26.6 39.8

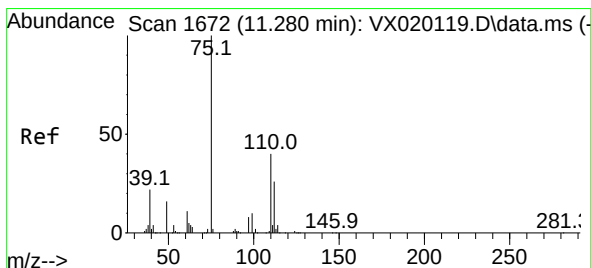
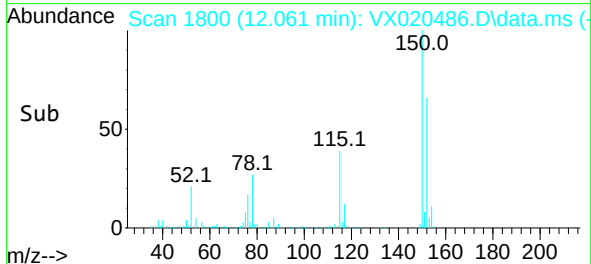
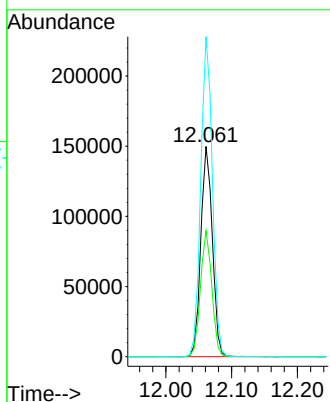
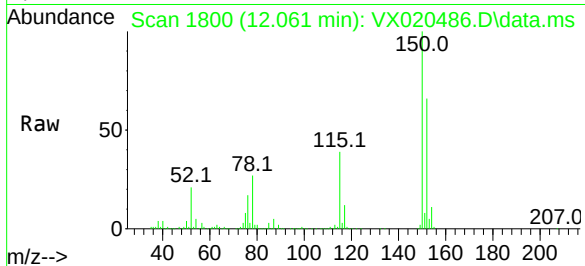




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.061 min Scan# 1800
 Delta R.T. -0.000 min
 Lab File: VX020486.D
 Acq: 31 Dec 2020 16:23

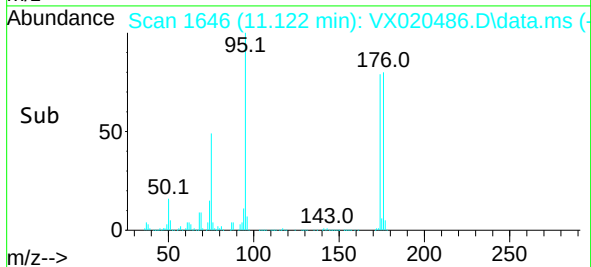
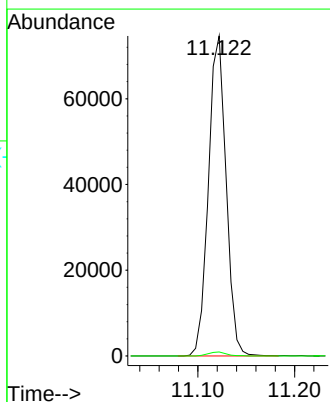
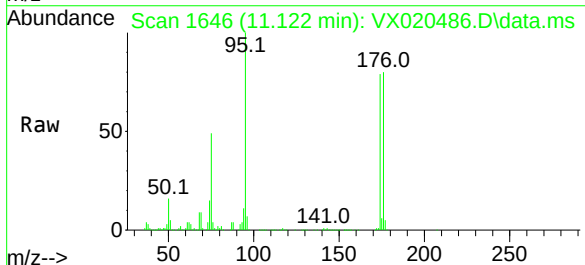
Instrument :
 MSVOA_X
 ClientSampleId :
 PB133875ZHE#15

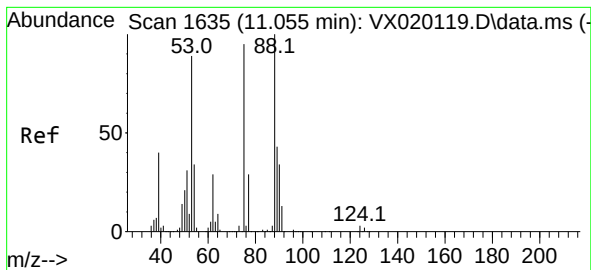
Tgt Ion:152 Resp: 182558
 Ion Ratio Lower Upper
 152 100
 115 58.8 41.1 123.3
 150 153.4 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 21.11 ug/l
 RT: 11.122 min Scan# 1646
 Delta R.T. -0.158 min
 Lab File: VX020486.D
 Acq: 31 Dec 2020 16:23

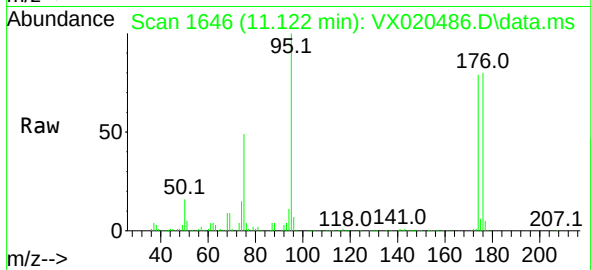
Tgt Ion: 75 Resp: 94940
 Ion Ratio Lower Upper
 75 100
 77 1.3 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 62.64 ug/l
 RT: 11.122 min Scan# 1646
 Delta R.T. 0.067 min
 Lab File: VX020486.D
 Acq: 31 Dec 2020 16:23

Instrument :
 MSVOA_X
 ClientSampleId :
 PB133875ZHE#15



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.1	74.5	111.7#
89	0.0	37.9	56.9#

