

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123120\
 Data File : VX020487.D
 Acq On : 31 Dec 2020 16:46
 Operator : JC/MD
 Sample : PB133875ZHE#16
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB133875ZHE#16

Quant Time: Jan 01 00:12:15 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)

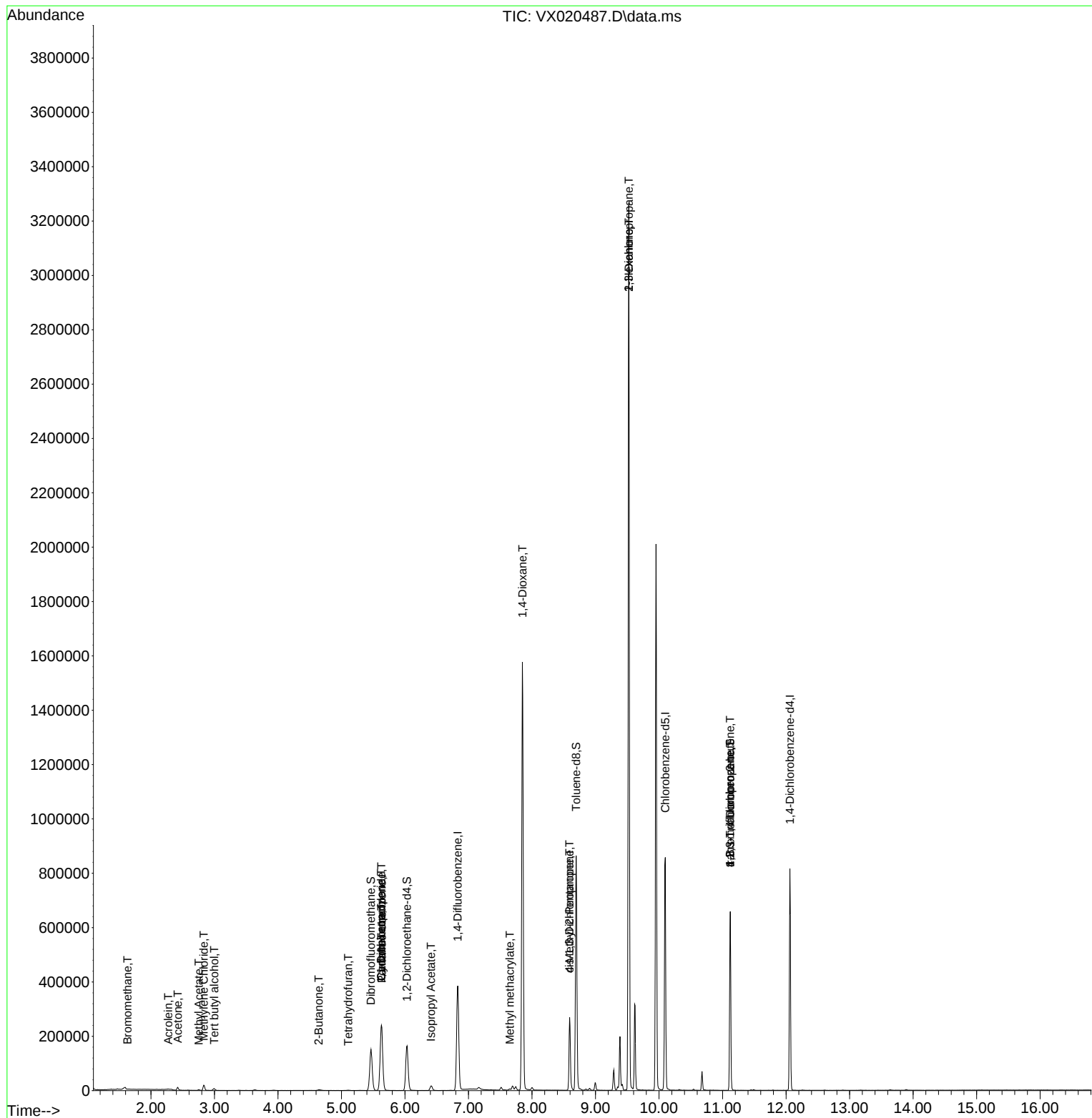
Internal Standards						
1) Pentafluorobenzene	5.635	168	231713	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	6.830	114	392079	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.098	117	402545	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	164280	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.031	65	157979	50.86	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 101.72%			
35) Dibromofluoromethane	5.464	113	129029	51.44	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 102.88%			
50) Toluene-d8	8.696	98	519359	53.79	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 107.58%			
62) 4-Bromofluorobenzene	11.122	95	183264	49.60	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 99.20%			
Target Compounds					Qvalue	
5) Bromomethane	1.630	94	262	0.26	ug/l #	44
11) Tert butyl alcohol	2.995	59	4114	5.92	ug/l #	73
13) Acrolein	2.270	56	231	0.53	ug/l #	14
16) Acetone	2.422	43	10710	7.56	ug/l	98
18) Methyl Acetate	2.752	43	3463	1.10	ug/l	96
20) Methylene Chloride	2.831	84	8746	2.74	ug/l	91
25) 2-Butanone	4.641	43	2815	1.37	ug/l	92
29) Tetrahydrofuran	5.105	42	815	0.63	ug/l #	71
31) Cyclohexane	5.629	56	4696	1.10	ug/l #	1
36) 1,1-Dichloropropene	5.623	75	18263	4.71	ug/l #	49
38) Carbon Tetrachloride	5.629	117	23334	6.33	ug/l #	16
43) Isopropyl Acetate	6.409	43	22654	3.56	ug/l	99
48) Methyl methacrylate	7.653	41	6317	2.03	ug/l #	10
49) 1,4-Dioxane	7.848	88	305	4.18	ug/l #	1
51) 4-Methyl-2-Pentanone	8.592	43	83009	21.09	ug/l #	47
54) cis-1,3-Dichloropropene	8.592	75	44053	9.18	ug/l #	62
57) 1,3-Dichloropropane	9.525	76	28480	5.51	ug/l #	43
59) 2-Hexanone	9.525	43	342452	114.18	ug/l #	46
76) 1,2,3-Trichloropropane	11.122	75	86407	21.35	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.122	75	86407	63.35	ug/l #	12

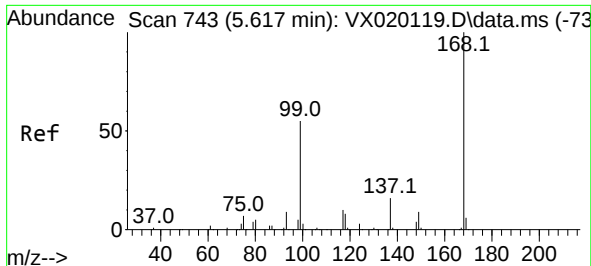
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121820W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 18 13:09:49 2020
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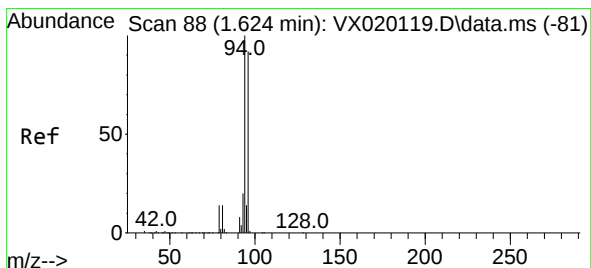
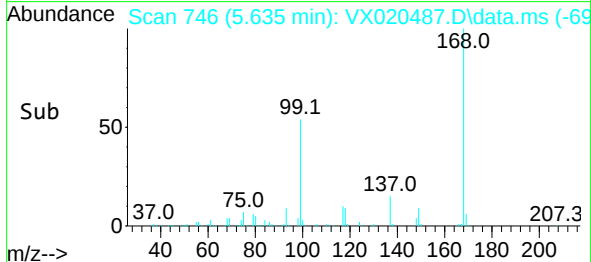
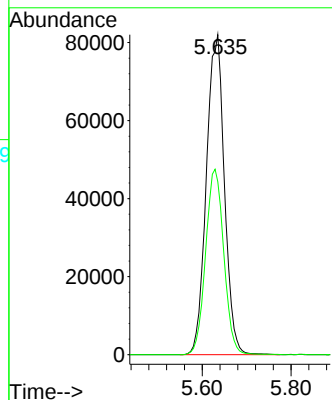
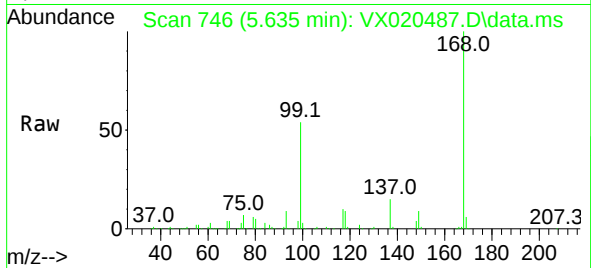




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.635 min Scan# 746
Delta R.T. 0.018 min
Lab File: VX020487.D
Acq: 31 Dec 2020 16:46

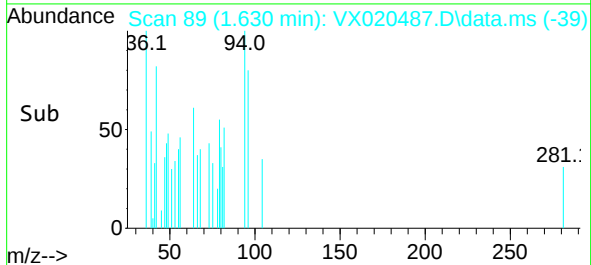
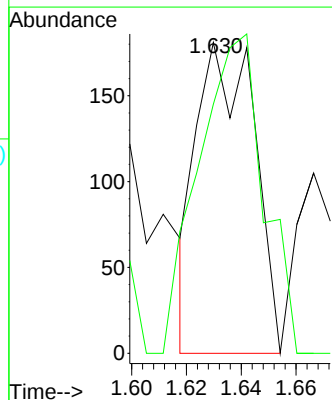
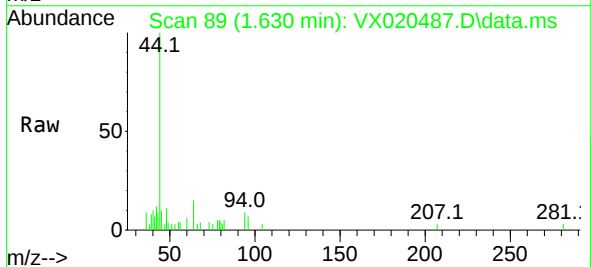
Instrument :
MSVOA_X
ClientSampleId :
PB133875ZHE#16

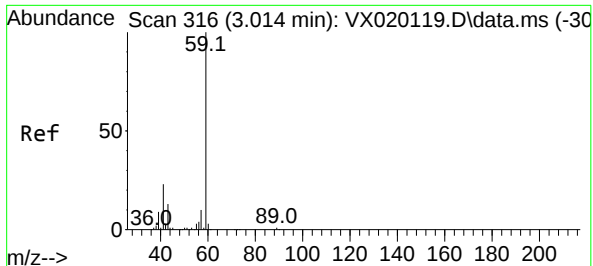
Tgt Ion:168 Resp: 231713
Ion Ratio Lower Upper
168 100
99 54.1 45.8 68.6



#5
Bromomethane
Concen: 0.26 ug/l
RT: 1.630 min Scan# 89
Delta R.T. 0.006 min
Lab File: VX020487.D
Acq: 31 Dec 2020 16:46

Tgt Ion: 94 Resp: 262
Ion Ratio Lower Upper
94 100
96 40.9 76.4 114.6#

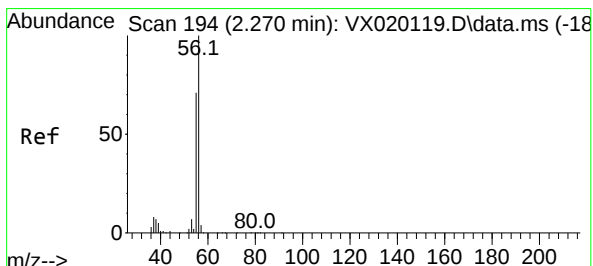
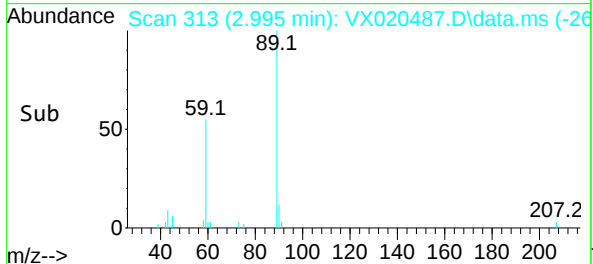
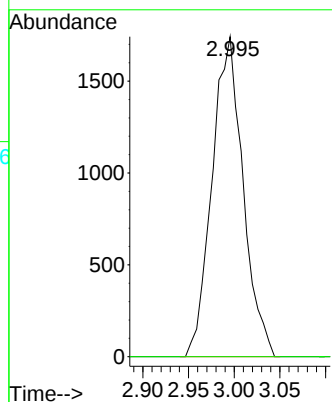
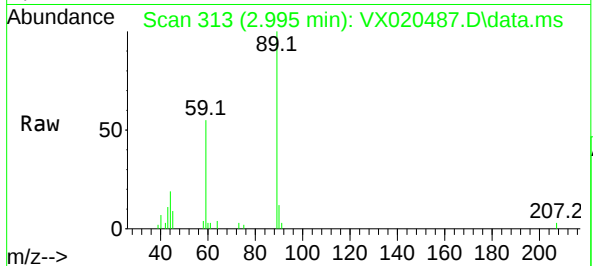




#11
Tert butyl alcohol
Concen: 5.92 ug/l
RT: 2.995 min Scan# 313
Delta R.T. -0.019 min
Lab File: VX020487.D
Acq: 31 Dec 2020 16:46

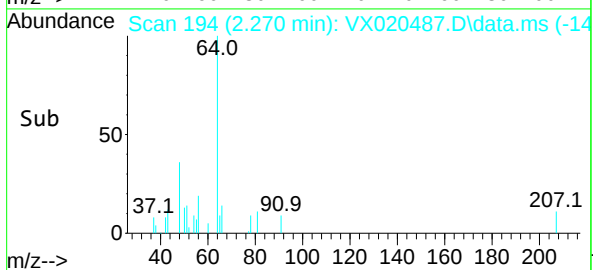
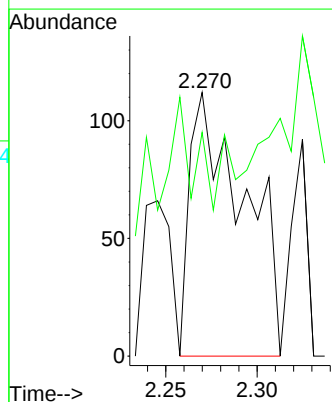
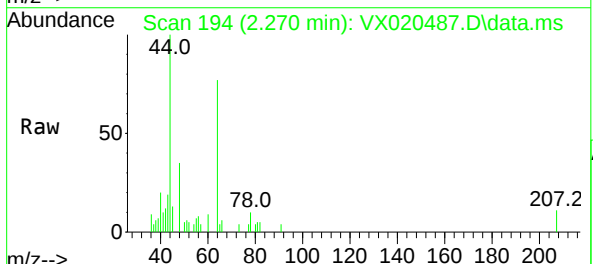
Instrument :
MSVOA_X
ClientSampleId :
PB133875ZHE#16

Tgt Ion: 59 Resp: 4114
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#13
Acrolein
Concen: 0.53 ug/l
RT: 2.270 min Scan# 194
Delta R.T. -0.000 min
Lab File: VX020487.D
Acq: 31 Dec 2020 16:46

Tgt Ion: 56 Resp: 231
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#

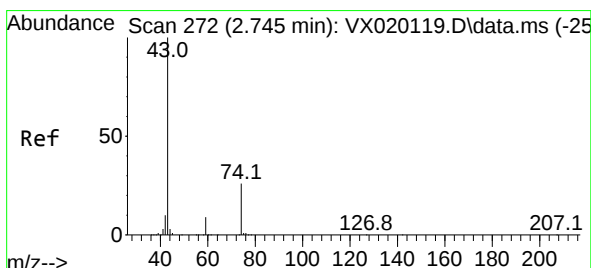
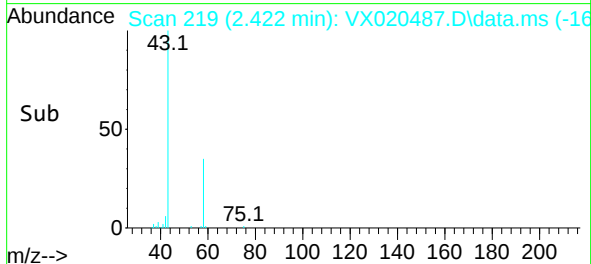
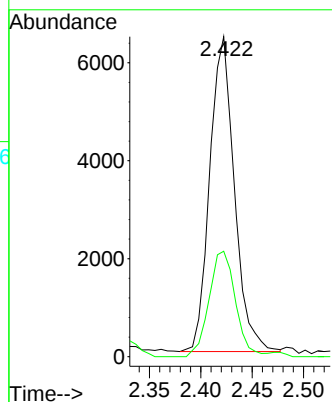
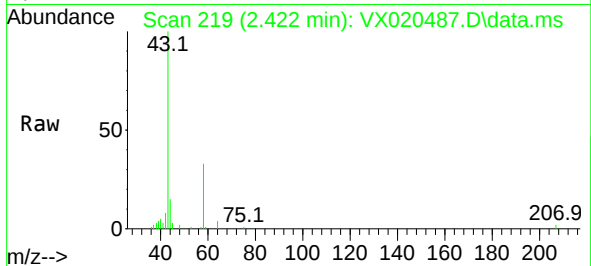




#16
Acetone
Concen: 7.56 ug/l
RT: 2.422 min Scan# 219
Delta R.T. 0.006 min
Lab File: VX020487.D
Acq: 31 Dec 2020 16:46

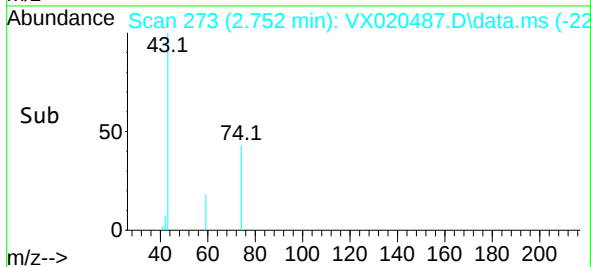
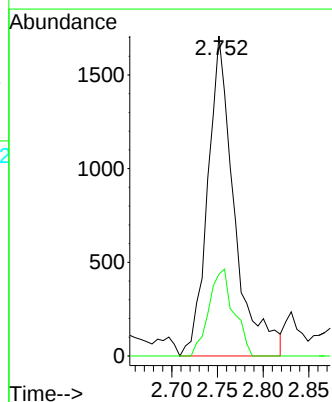
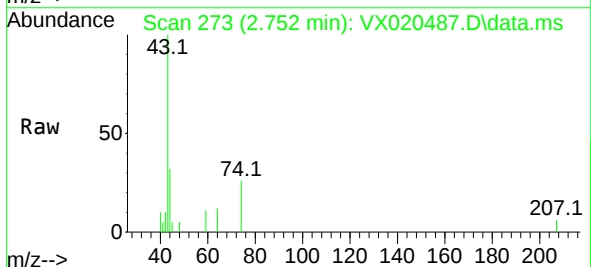
Instrument :
MSVOA_X
ClientSampleId :
PB133875ZHE#16

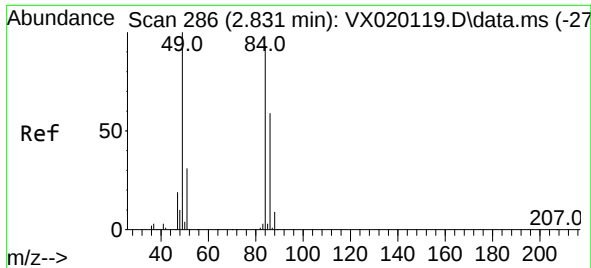
Tgt Ion: 43 Resp: 10710
Ion Ratio Lower Upper
43 100
58 33.5 27.8 41.8



#18
Methyl Acetate
Concen: 1.10 ug/l
RT: 2.752 min Scan# 273
Delta R.T. 0.007 min
Lab File: VX020487.D
Acq: 31 Dec 2020 16:46

Tgt Ion: 43 Resp: 3463
Ion Ratio Lower Upper
43 100
74 25.4 21.9 32.9

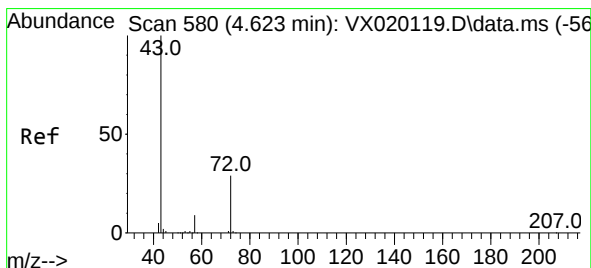
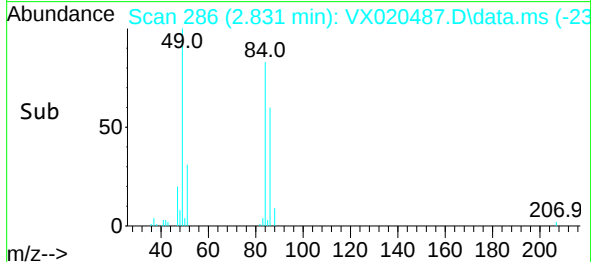
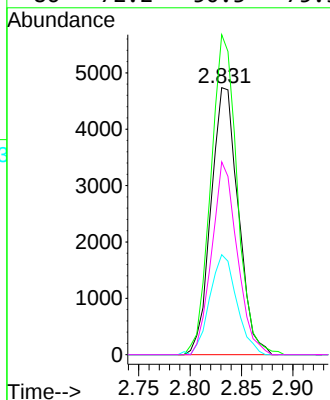
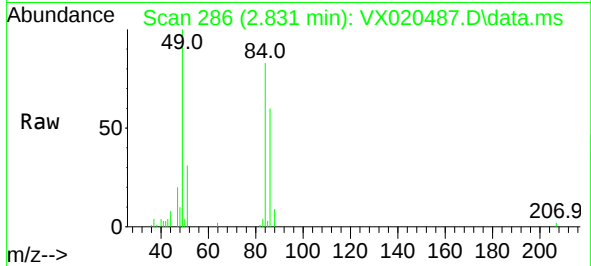




#20
Methylene Chloride
Concen: 2.74 ug/l
RT: 2.831 min Scan# 286
Delta R.T. -0.000 min
Lab File: VX020487.D
Acq: 31 Dec 2020 16:46

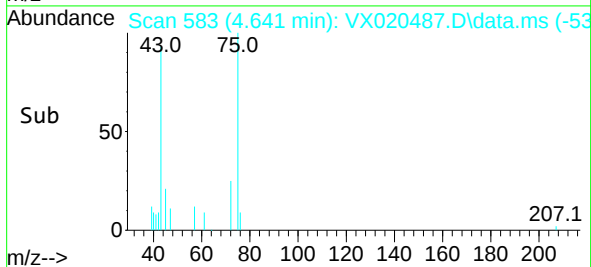
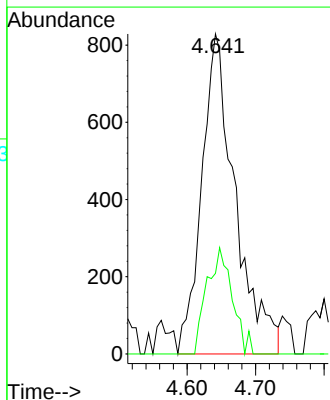
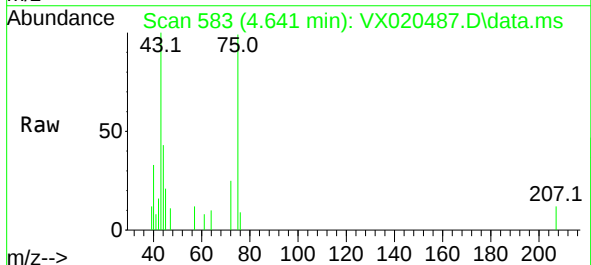
Instrument :
MSVOA_X
ClientSampleId :
PB133875ZHE#16

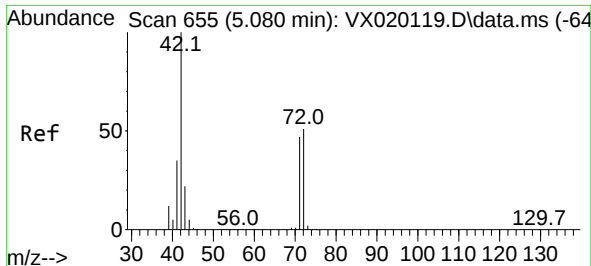
Tgt Ion:	84	Resp:	8746
Ion	Ratio	Lower	Upper
84	100		
49	119.8	88.6	132.8
51	37.4	27.0	40.6
86	72.2	50.3	75.5



#25
2-Butanone
Concen: 1.37 ug/l
RT: 4.641 min Scan# 583
Delta R.T. 0.018 min
Lab File: VX020487.D
Acq: 31 Dec 2020 16:46

Tgt Ion:	43	Resp:	2815
Ion	Ratio	Lower	Upper
43	100		
72	25.2	23.7	35.5





#29

Tetrahydrofuran

Concen: 0.63 ug/l

RT: 5.105 min Scan# 659

Delta R.T. 0.025 min

Lab File: VX020487.D

Acq: 31 Dec 2020 16:46

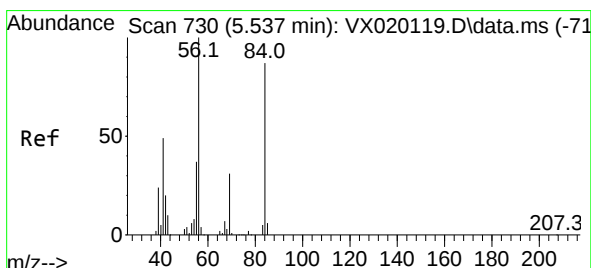
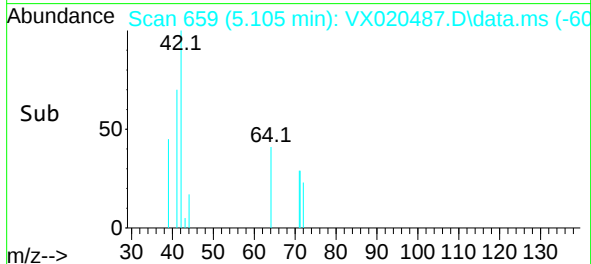
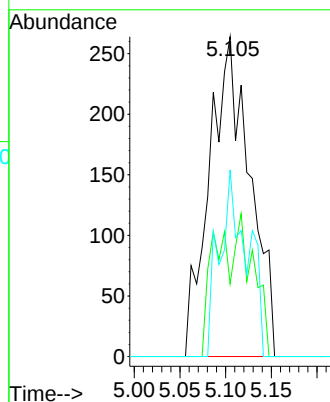
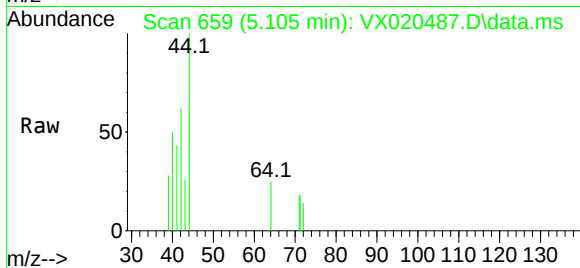
Instrument :

MSVOA_X

ClientSampleId :

PB133875ZHE#16

Tgt Ion:	42	Resp:	815
Ion	Ratio	Lower	Upper
42	100		
72	21.3	41.7	62.5#
71	39.8	38.4	57.6



#31

Cyclohexane

Concen: 1.10 ug/l

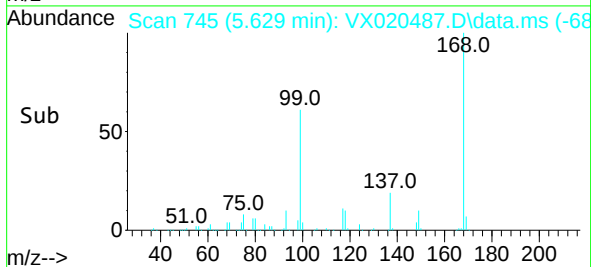
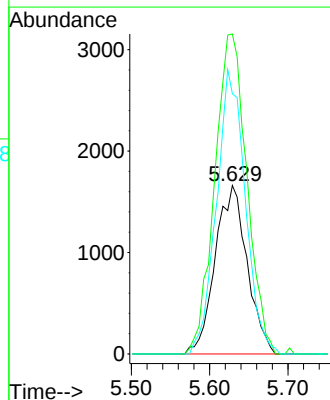
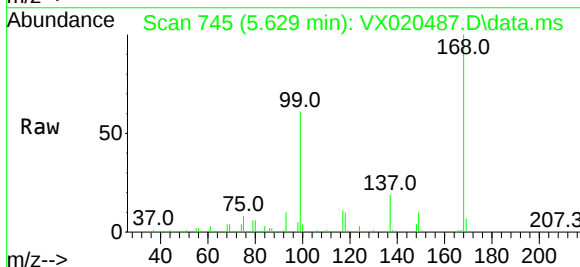
RT: 5.629 min Scan# 745

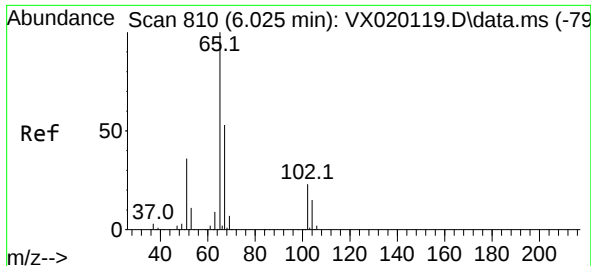
Delta R.T. 0.092 min

Lab File: VX020487.D

Acq: 31 Dec 2020 16:46

Tgt Ion:	56	Resp:	4696
Ion	Ratio	Lower	Upper
56	100		
69	189.9	25.3	37.9#
84	154.5	71.4	107.0#





#33

1,2-Dichloroethane-d4

Concen: 50.86 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.006 min

Lab File: VX020487.D

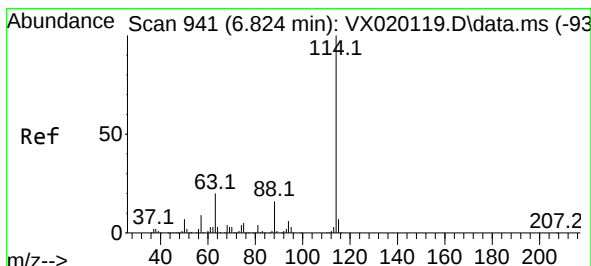
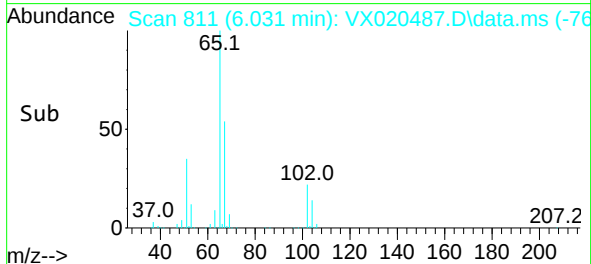
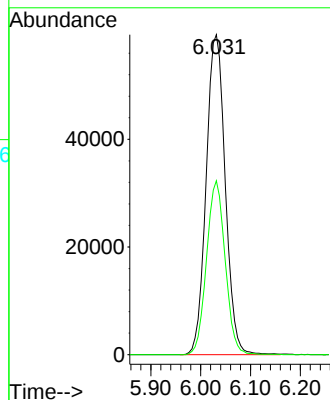
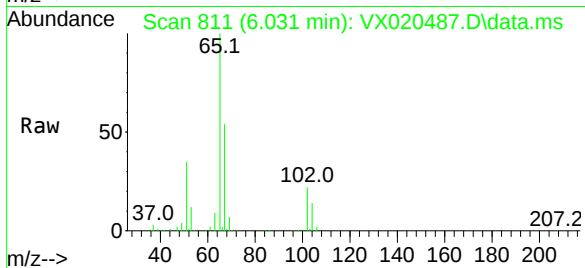
Acq: 31 Dec 2020 16:46

Tgt Ion: 65 Resp: 157979

Ion Ratio Lower Upper

65 100

67 53.0 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: VX020487.D

Acq: 31 Dec 2020 16:46

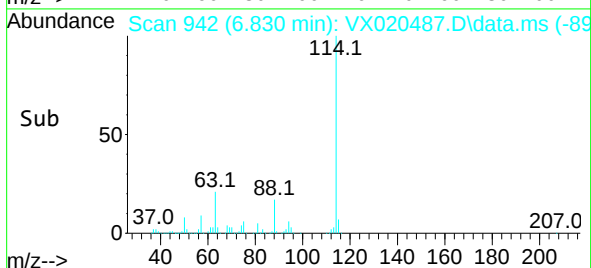
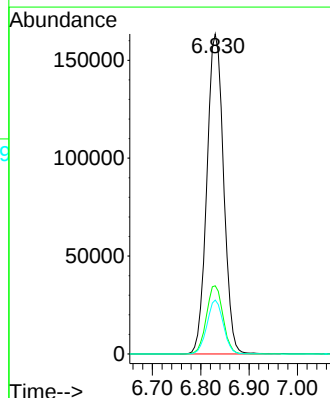
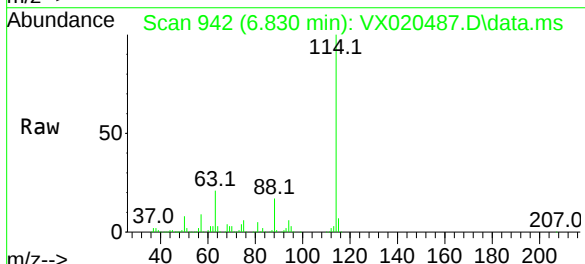
Tgt Ion: 114 Resp: 392079

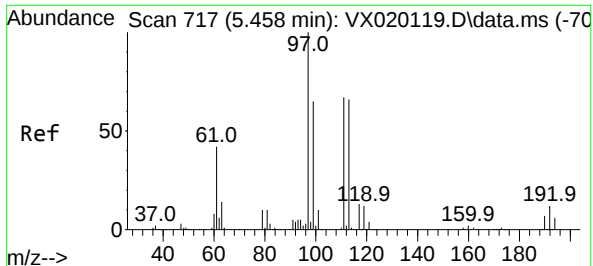
Ion Ratio Lower Upper

114 100

63 21.3 0.0 40.8

88 16.9 0.0 32.8

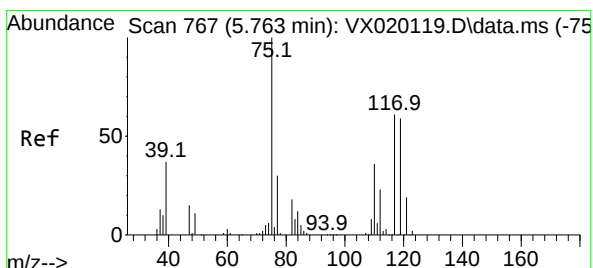
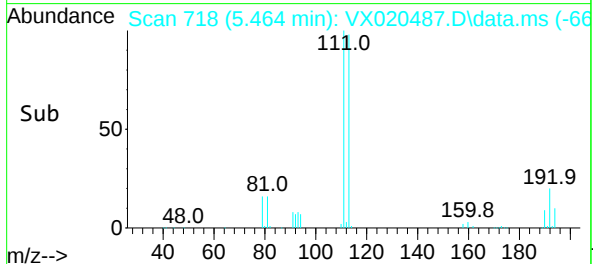
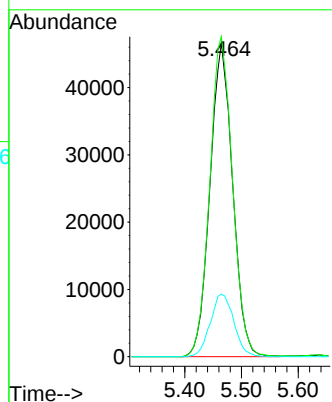
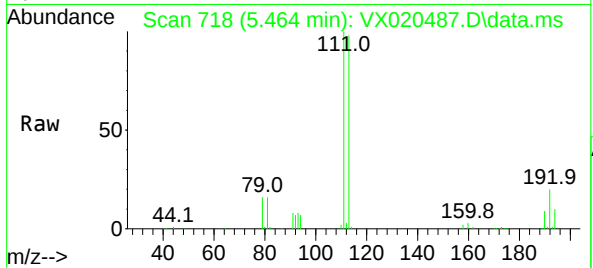




#35
Dibromofluoromethane
Concen: 51.44 ug/l
RT: 5.464 min Scan# 718
Delta R.T. 0.006 min
Lab File: VX020487.D
Acq: 31 Dec 2020 16:46

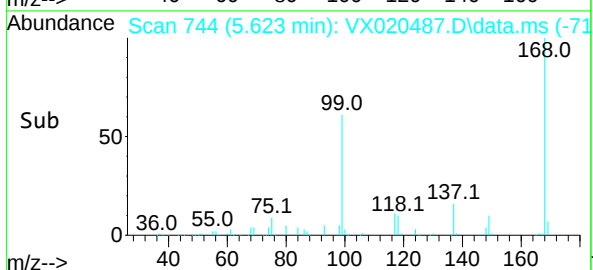
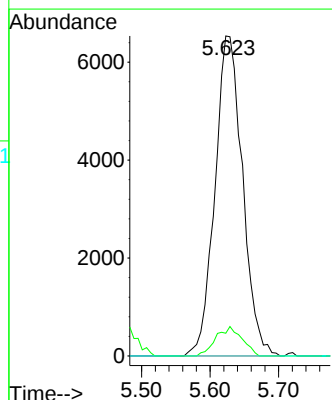
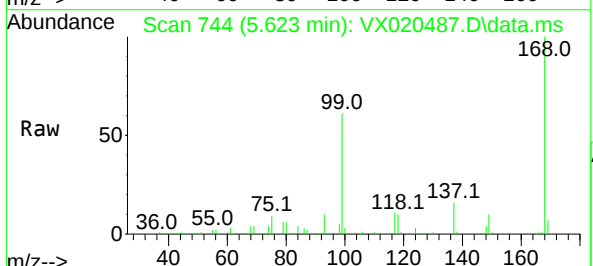
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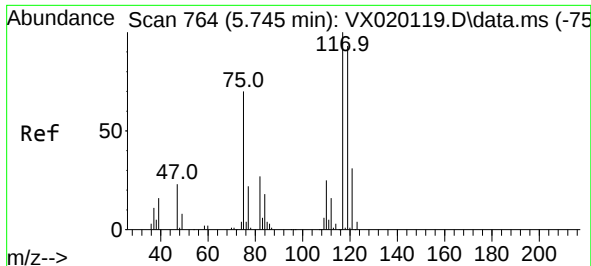
Tgt Ion:113 Resp: 129029
Ion Ratio Lower Upper
113 100
111 102.9 81.9 122.9
192 20.8 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.71 ug/l
RT: 5.623 min Scan# 744
Delta R.T. -0.140 min
Lab File: VX020487.D
Acq: 31 Dec 2020 16:46

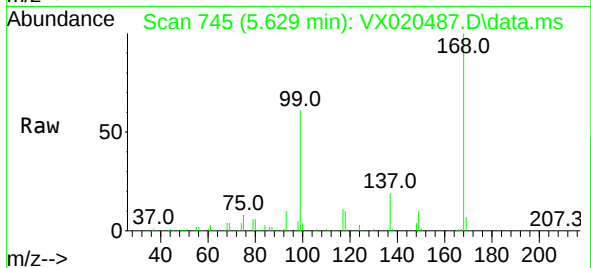
Tgt Ion: 75 Resp: 18263
Ion Ratio Lower Upper
75 100
110 8.7 18.1 54.4#
77 0.0 25.3 37.9#



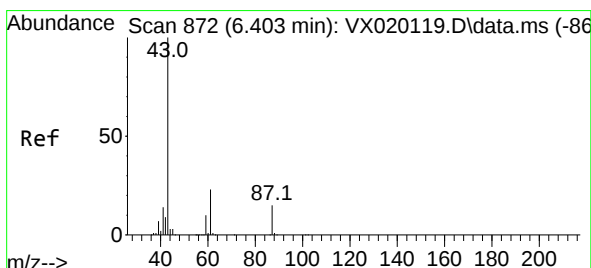
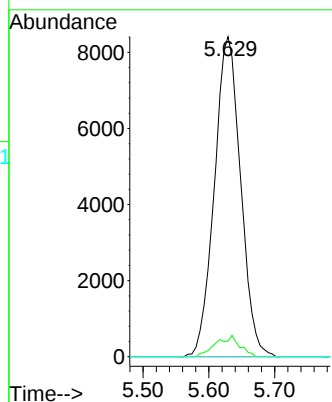
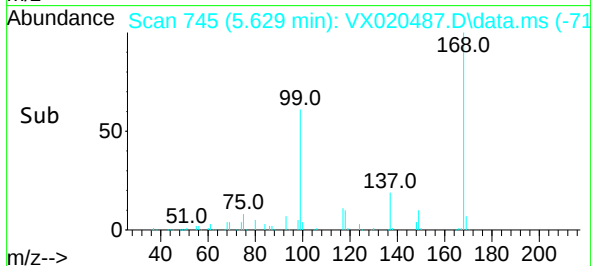


#38
Carbon Tetrachloride
Concen: 6.33 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.116 min
Lab File: VX020487.D
Acq: 31 Dec 2020 16:46

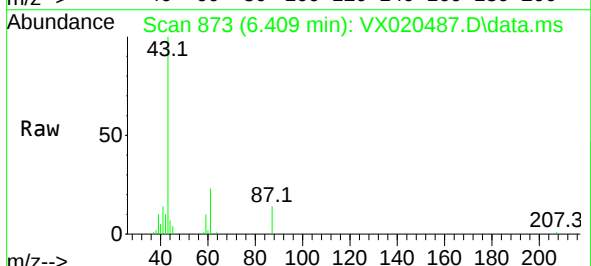
Instrument :
MSVOA_X
ClientSampleId :
PB133875ZHE#16



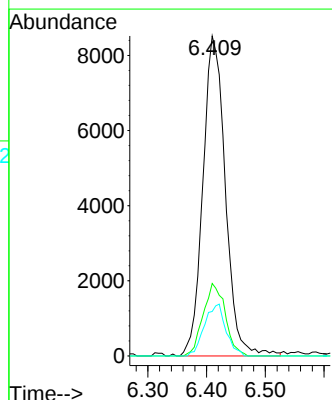
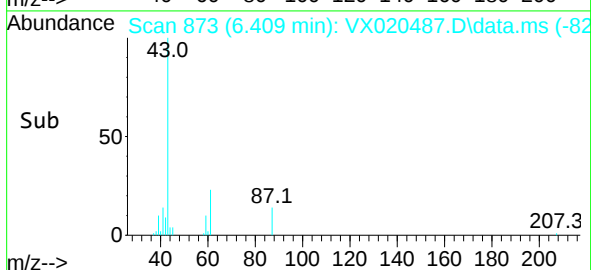
Tgt Ion:117 Resp: 23334
Ion Ratio Lower Upper
117 100
119 4.8 76.2 114.2#
121 0.0 24.8 37.2#

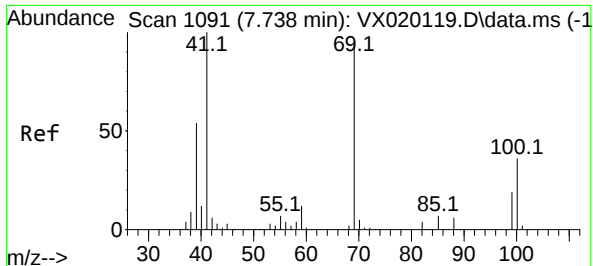


#43
Isopropyl Acetate
Concen: 3.56 ug/l
RT: 6.409 min Scan# 873
Delta R.T. 0.006 min
Lab File: VX020487.D
Acq: 31 Dec 2020 16:46



Tgt Ion: 43 Resp: 22654
Ion Ratio Lower Upper
43 100
61 22.3 18.2 27.4
87 15.4 12.5 18.7





#48

Methyl methacrylate

Concen: 2.03 ug/l

RT: 7.653 min Scan# 1077

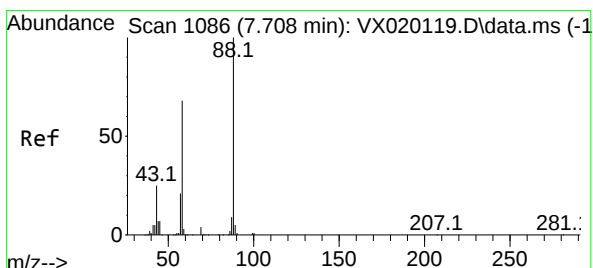
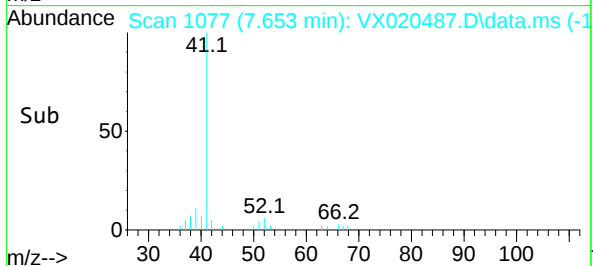
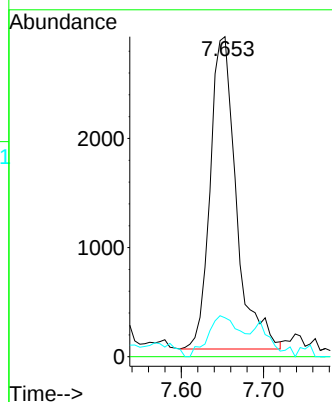
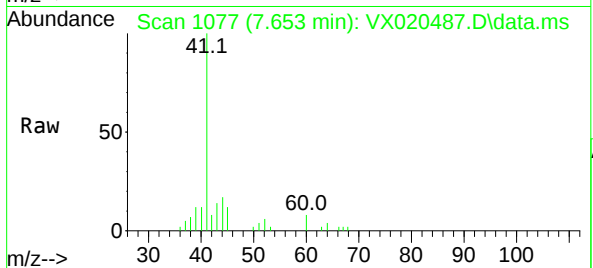
Delta R.T. -0.085 min

Lab File: VX020487.D

Acq: 31 Dec 2020 16:46

Tgt Ion:	41	Resp:	6317
Ion	Ratio	Lower	Upper
41	100		
69	0.0	76.0	114.0#
39	0.0	44.6	67.0#

Instrument :
MSVOA_X
ClientSampleId :
PB133875ZHE#16



#49

1,4-Dioxane

Concen: 4.18 ug/l

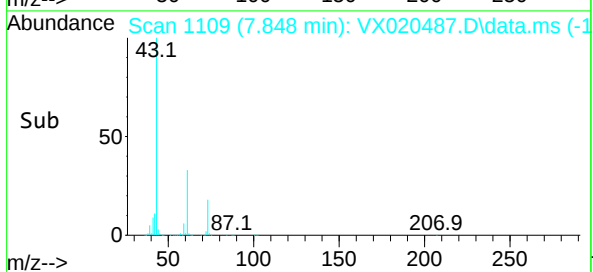
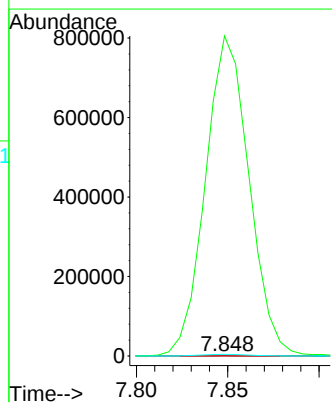
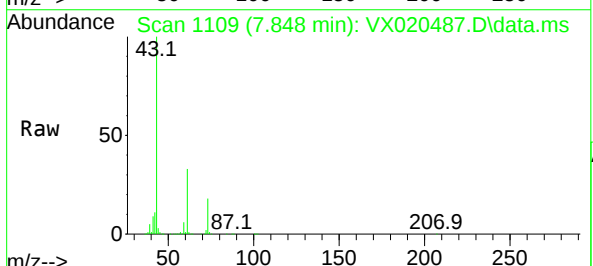
RT: 7.848 min Scan# 1109

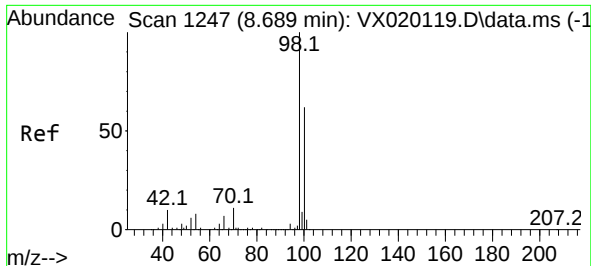
Delta R.T. 0.140 min

Lab File: VX020487.D

Acq: 31 Dec 2020 16:46

Tgt Ion:	88	Resp:	305
Ion	Ratio	Lower	Upper
88	100		
43	441296.4	23.2	34.8#
58	2409.8	55.0	82.4#

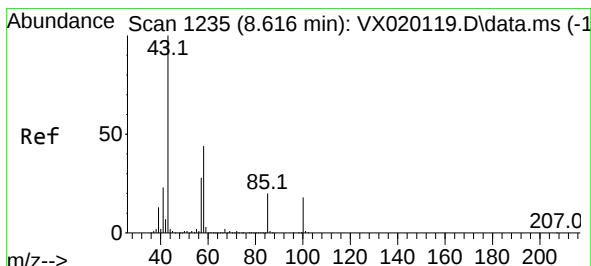
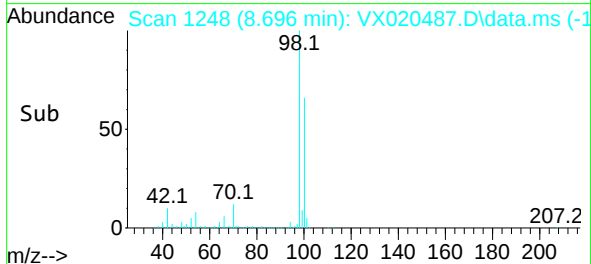
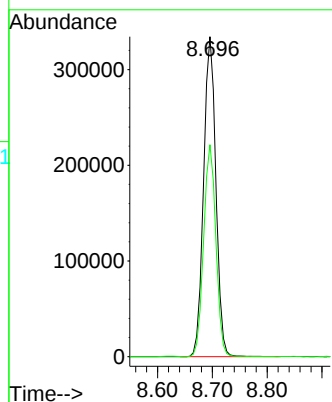
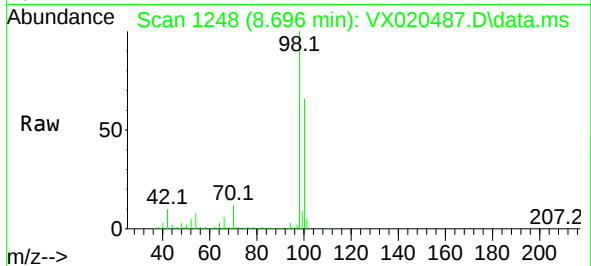




#50
Toluene-d8
Concen: 53.79 ug/l
RT: 8.696 min Scan# 1248
Delta R.T. 0.007 min
Lab File: VX020487.D
Acq: 31 Dec 2020 16:46

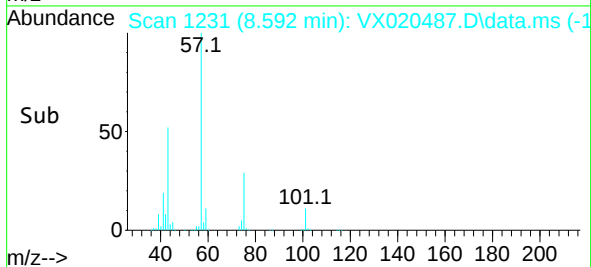
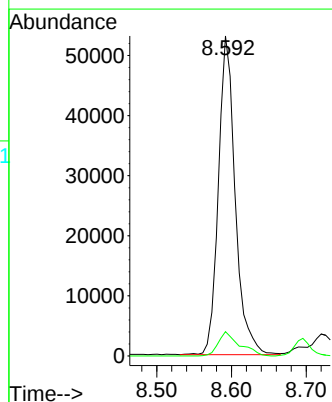
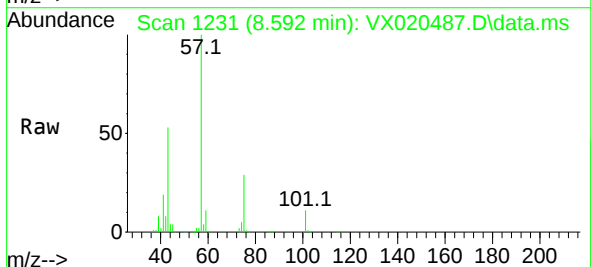
Instrument :
MSVOA_X
ClientSampleId :
PB133875ZHE#16

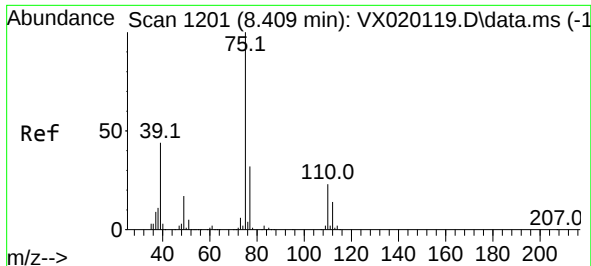
Tgt Ion: 98 Resp: 519359
Ion Ratio Lower Upper
98 100
100 66.1 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 21.09 ug/l
RT: 8.592 min Scan# 1231
Delta R.T. -0.024 min
Lab File: VX020487.D
Acq: 31 Dec 2020 16:46

Tgt Ion: 43 Resp: 83009
Ion Ratio Lower Upper
43 100
58 9.6 35.4 53.0#

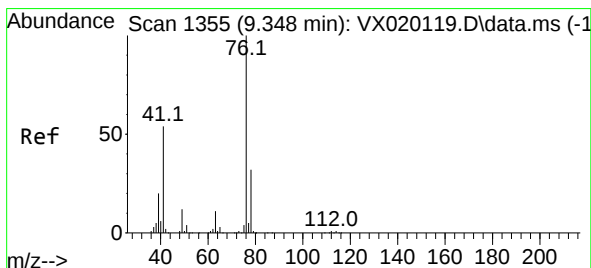
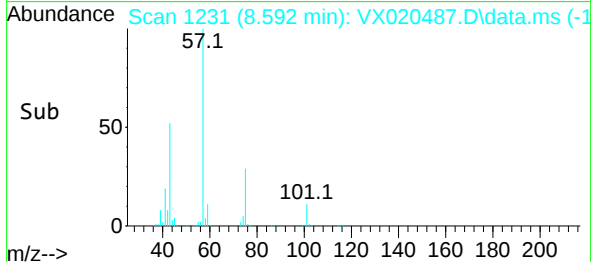
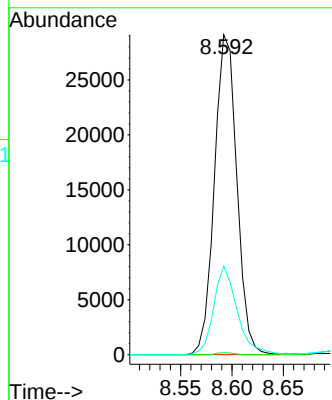
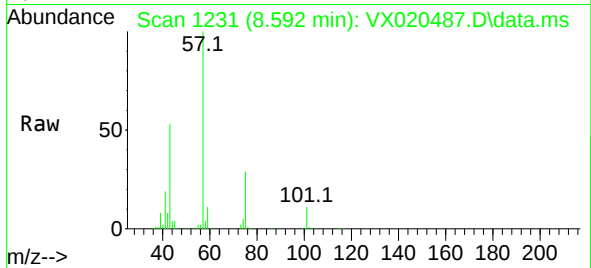




#54
cis-1,3-Dichloropropene
Concen: 9.18 ug/l
RT: 8.592 min Scan# 1231
Delta R.T. 0.183 min
Lab File: VX020487.D
Acq: 31 Dec 2020 16:46

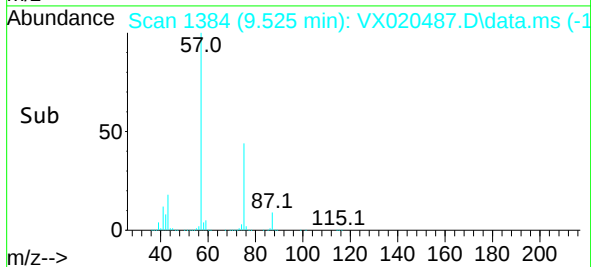
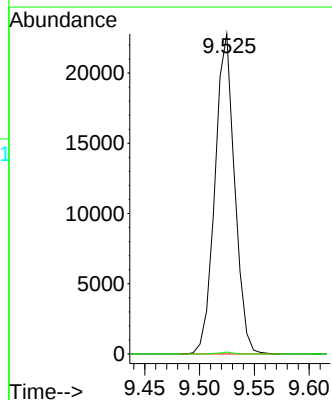
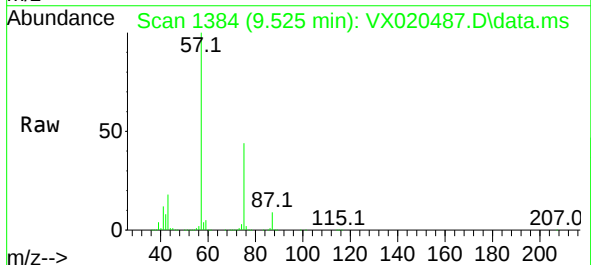
Instrument :
MSVOA_X
ClientSampleId :
PB133875ZHE#16

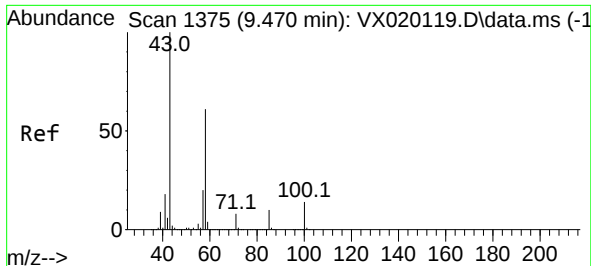
Tgt Ion: 75 Resp: 44053
Ion Ratio Lower Upper
75 100
77 0.6 25.7 38.5#
39 27.6 35.1 52.7#



#57
1,3-Dichloropropane
Concen: 5.51 ug/l
RT: 9.525 min Scan# 1384
Delta R.T. 0.177 min
Lab File: VX020487.D
Acq: 31 Dec 2020 16:46

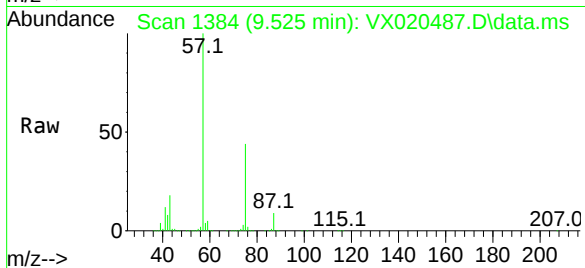
Tgt Ion: 76 Resp: 28480
Ion Ratio Lower Upper
76 100
78 0.4 26.2 39.2#



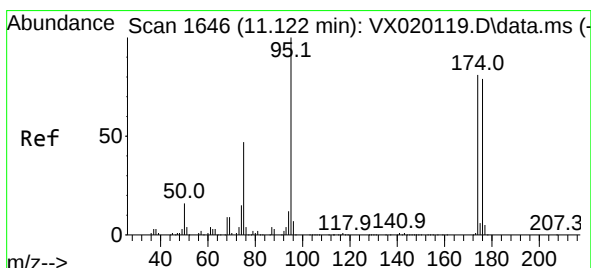
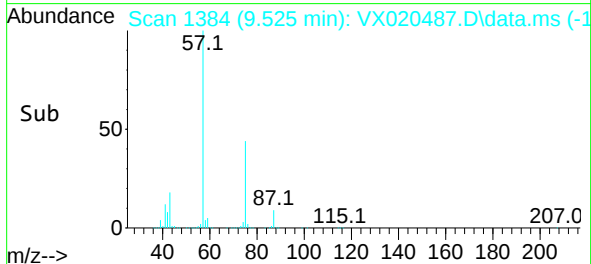
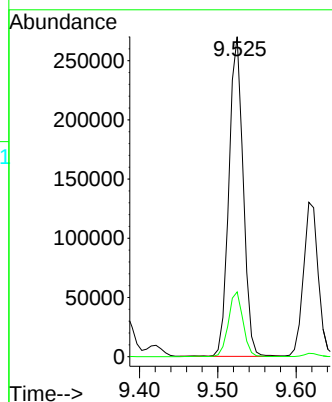


#59
2-Hexanone
Concen: 114.18 ug/l
RT: 9.525 min Scan# 1384
Delta R.T. 0.055 min
Lab File: VX020487.D
Acq: 31 Dec 2020 16:46

Instrument :
MSVOA_X
ClientSampleId :
PB133875ZHE#16

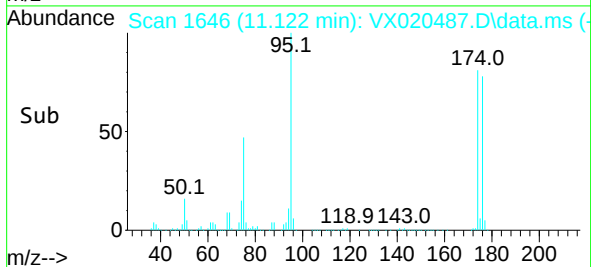
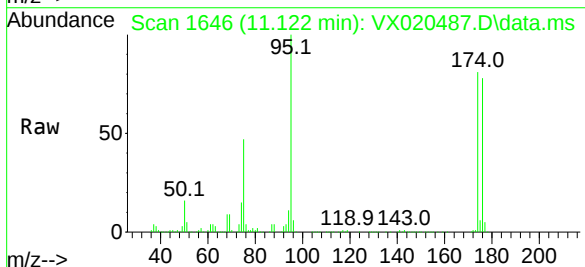
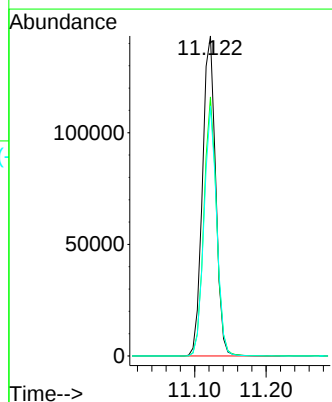


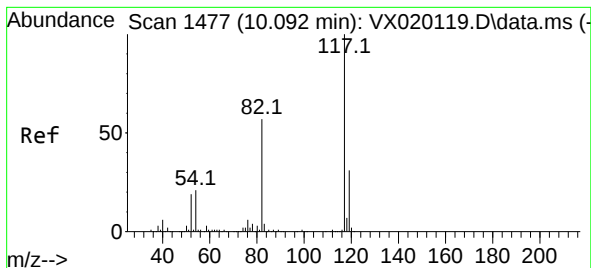
Tgt Ion: 43 Resp: 342452
Ion Ratio Lower Upper
43 100
58 20.6 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 49.60 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.000 min
Lab File: VX020487.D
Acq: 31 Dec 2020 16:46

Tgt Ion: 95 Resp: 183264
Ion Ratio Lower Upper
95 100
174 77.5 0.0 154.6
176 75.1 0.0 155.8

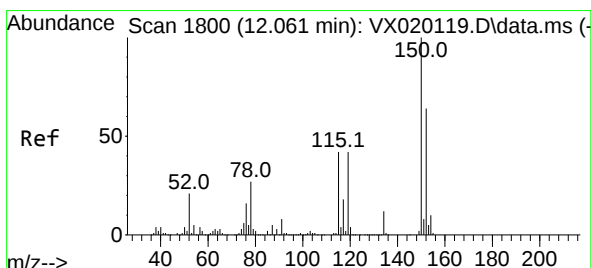
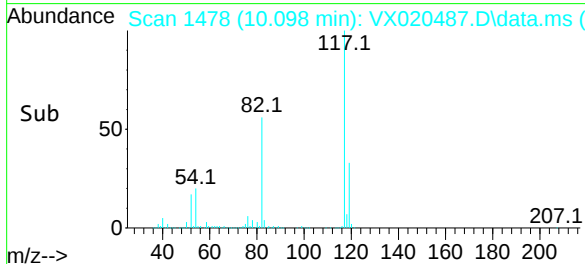
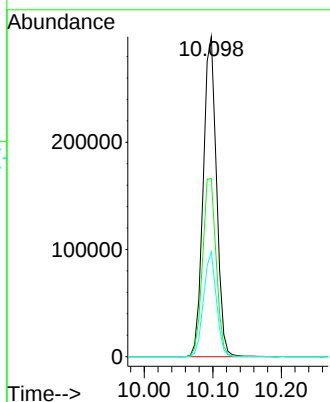
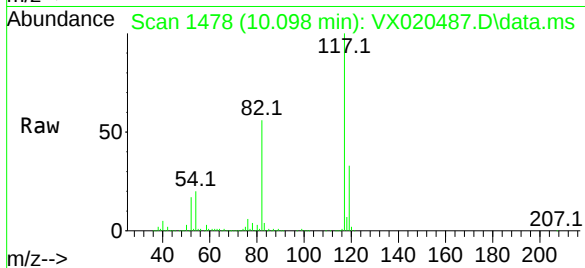




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.098 min Scan# 1478
Delta R.T. 0.006 min
Lab File: VX020487.D
Acq: 31 Dec 2020 16:46

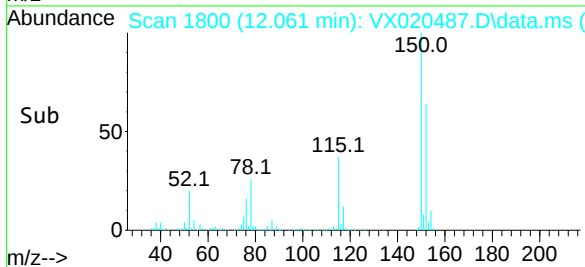
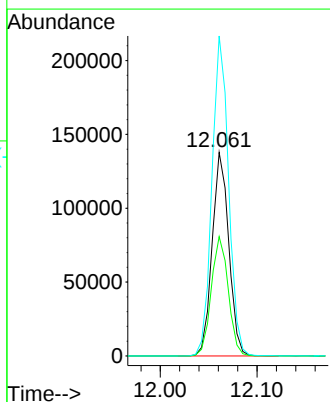
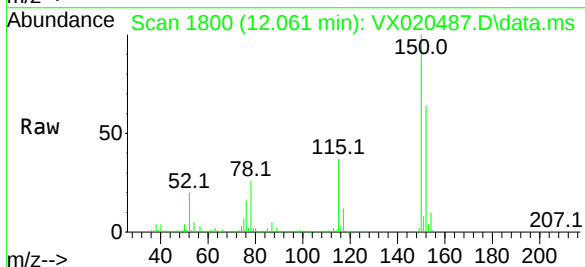
Instrument :
MSVOA_X
ClientSampleId :
PB133875ZHE#16

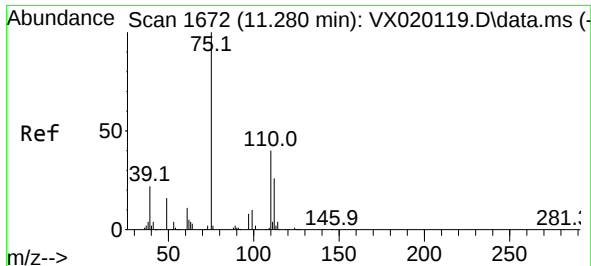
Tgt Ion:117 Resp: 402545
Ion Ratio Lower Upper
117 100
82 55.6 47.4 71.2
119 32.8 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.061 min Scan# 1800
Delta R.T. -0.000 min
Lab File: VX020487.D
Acq: 31 Dec 2020 16:46

Tgt Ion:152 Resp: 164280
Ion Ratio Lower Upper
152 100
115 59.9 41.1 123.3
150 157.1 0.0 349.0

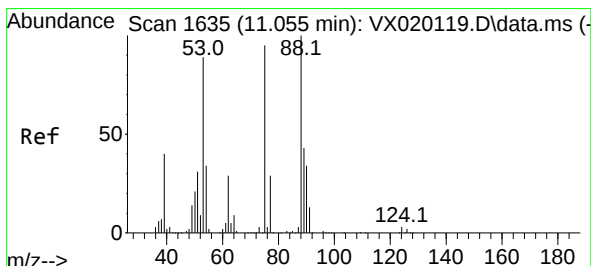
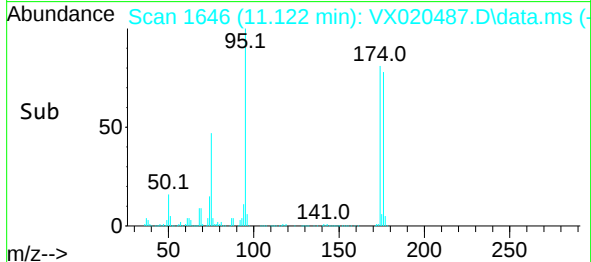
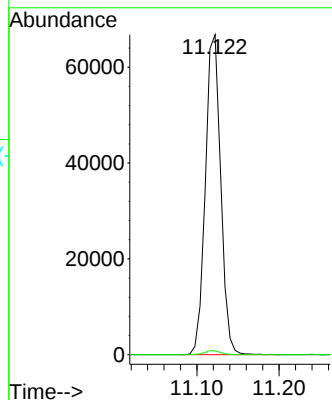
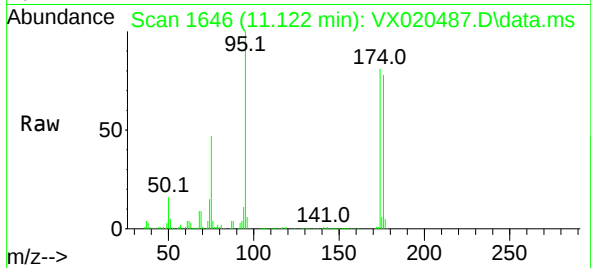




#76
1,2,3-Trichloropropane
Concen: 21.35 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.158 min
Lab File: VX020487.D
Acq: 31 Dec 2020 16:46

Instrument :
MSVOA_X
ClientSampleId :
PB133875ZHE#16

Tgt Ion: 75 Resp: 86407
Ion Ratio Lower Upper
75 100
77 1.3 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 63.35 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. 0.067 min
Lab File: VX020487.D
Acq: 31 Dec 2020 16:46

Tgt Ion: 75 Resp: 86407
Ion Ratio Lower Upper
75 100
53 0.1 74.5 111.7#
89 0.0 37.9 56.9#

