

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011921\
 Data File : VX020663.D
 Acq On : 19 Jan 2021 16:54
 Operator : JC/SP
 Sample : M1125-08 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 1665-1667

Quant Time: Jan 20 03:21:03 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X011921W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 19 14:09:08 2021
 Response via : Initial Calibration

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

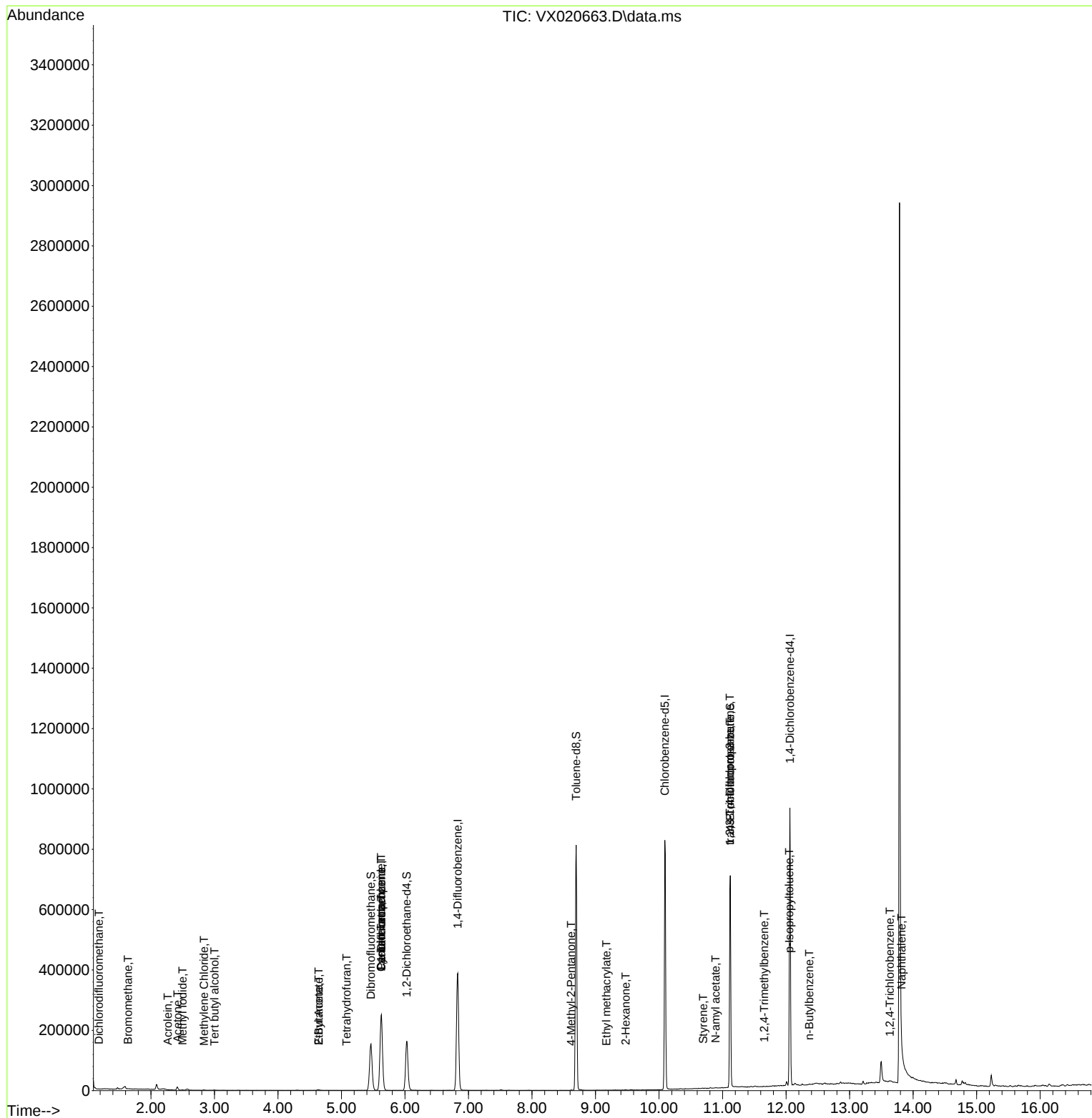
Internal Standards						
1) Pentafluorobenzene	5.629	168	231534	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.830	114	401644	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.092	117	385888	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	182714	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.025	65	161610	51.05	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 102.10%			
35) Dibromofluoromethane	5.464	113	132733	47.97	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 95.94%			
50) Toluene-d8	8.696	98	496595	49.77	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 99.54%			
62) 4-Bromofluorobenzene	11.122	95	194568	51.59	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 103.18%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.179	85	27	0.75	ug/l #	42
5) Bromomethane	1.636	94	383	0.25	ug/l	97
6) Chloroethane	1.727	64	116	Below Cal	#	43
10) Methyl Iodide	2.495	142	908	0.27	ug/l #	96
11) Tert butyl alcohol	3.001	59	632	1.13	ug/l #	73
13) Acrolein	2.264	56	20	30.36	ug/l #	1
16) Acetone	2.416	43	10950	8.91	ug/l	98
20) Methylene Chloride	2.837	84	655	0.22	ug/l #	83
25) 2-Butanone	4.641	43	2916	1.62	ug/l	95
29) Tetrahydrofuran	5.080	42	267	0.24	ug/l #	27
31) Cyclohexane	5.623	56	4683	1.13	ug/l #	1
36) 1,1-Dichloropropene	5.623	75	18698	4.62	ug/l #	49
37) Ethyl Acetate	4.641	43	2916	0.78	ug/l #	64
38) Carbon Tetrachloride	5.623	117	23843	5.52	ug/l #	16
51) 4-Methyl-2-Pentanone	8.616	43	1028	0.29	ug/l #	78
56) Ethyl methacrylate	9.171	69	100	2.11	ug/l #	1
59) 2-Hexanone	9.476	43	1049	0.39	ug/l	71
70) Styrene	10.695	104	233	1.44	ug/l #	35
74) N-amyl acetate	10.890	43	293	1.99	ug/l #	1
76) 1,2,3-Trichloropropane	11.116	75	95572	21.80	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.116	75	95572	63.05	ug/l #	12
84) 1,2,4-Trimethylbenzene	11.658	105	125	0.41	ug/l	67
86) p-Isopropyltoluene	12.049	119	648	0.93	ug/l #	1
89) n-Butylbenzene	12.366	91	630	1.49	ug/l	86
93) 1,2,4-Trichlorobenzene	13.634	180	337	2.32	ug/l #	63
95) Naphthalene	13.817	128	5862	2.36	ug/l #	68

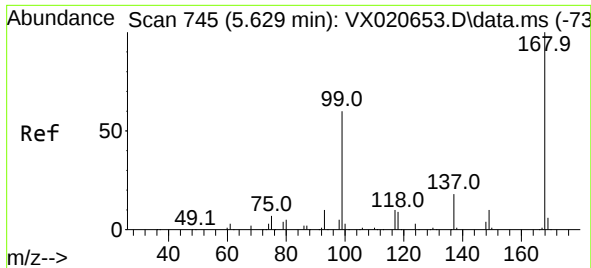
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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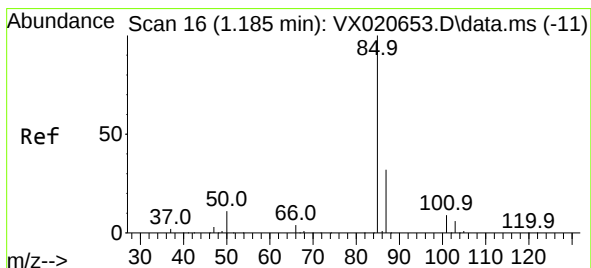
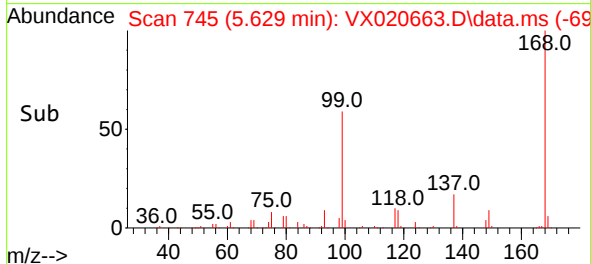
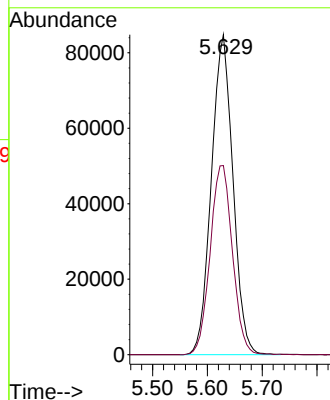
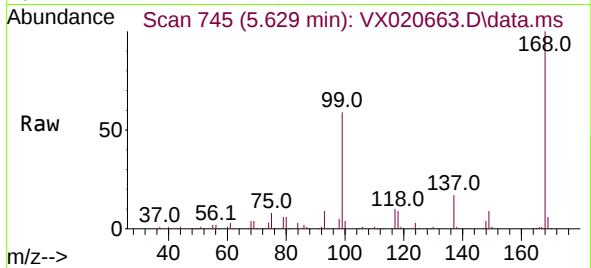




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 745
Delta R.T. 0.000 min
Lab File: VX020663.D
Acq: 19 Jan 2021 16:54

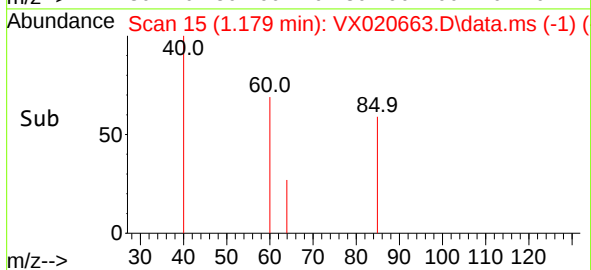
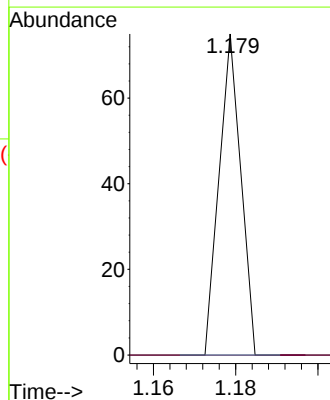
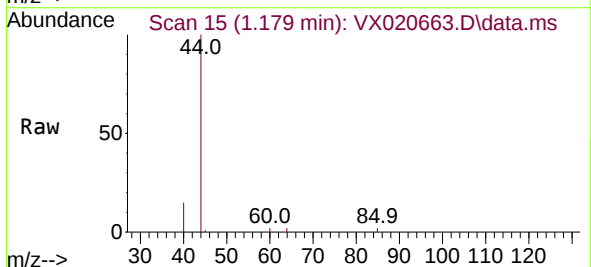
Instrument :
MSVOA_X
ClientSampleId :
1665-1667

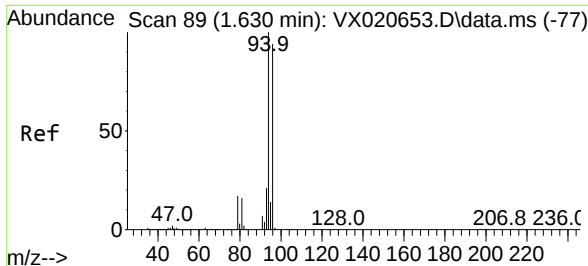
Tgt Ion:168 Resp: 231534
Ion Ratio Lower Upper
168 100
99 59.1 45.8 68.6



#2
Dichlorodifluoromethane
Concen: 0.75 ug/l
RT: 1.179 min Scan# 15
Delta R.T. -0.006 min
Lab File: VX020663.D
Acq: 19 Jan 2021 16:54

Tgt Ion: 85 Resp: 27
Ion Ratio Lower Upper
85 100
87 0.0 16.4 49.2#

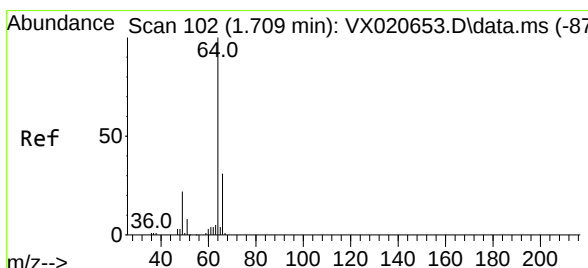
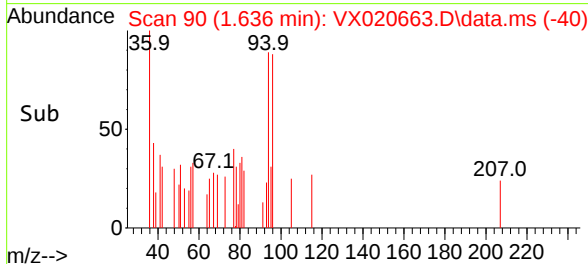
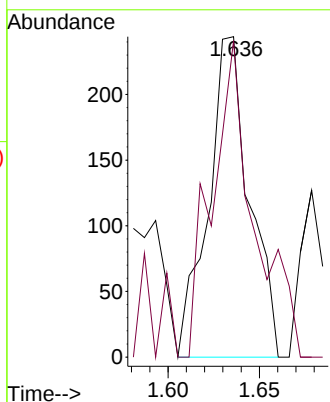
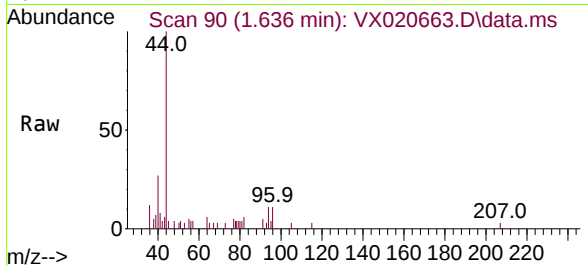




#5
Bromomethane
Concen: 0.25 ug/l
RT: 1.636 min Scan# 90
Delta R.T. 0.006 min
Lab File: VX020663.D
Acq: 19 Jan 2021 16:54

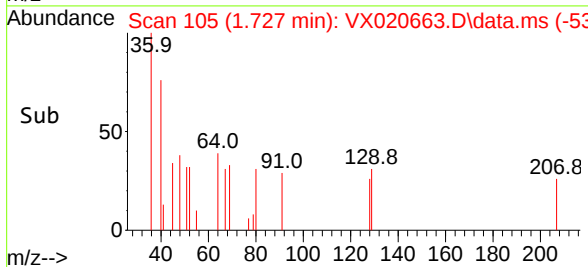
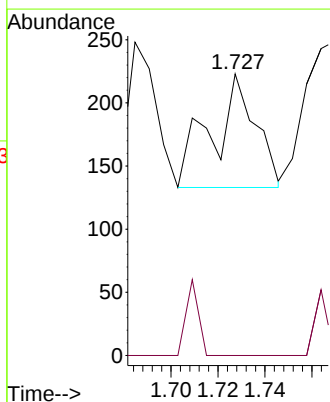
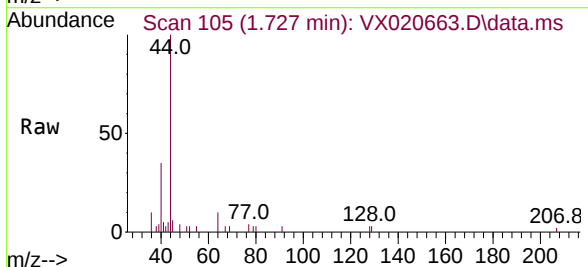
Instrument :
MSVOA_X
ClientSampleId :
1665-1667

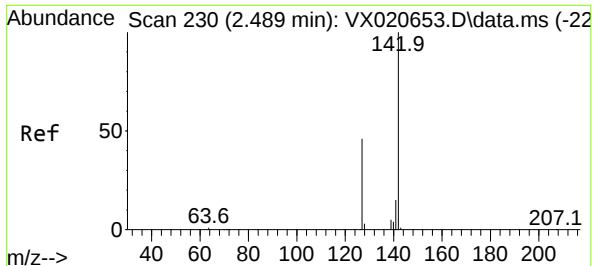
Tgt Ion: 94 Resp: 383
Ion Ratio Lower Upper
94 100
96 98.8 76.4 114.6



#6
Chloroethane
Concen: Below Cal
RT: 1.727 min Scan# 105
Delta R.T. 0.018 min
Lab File: VX020663.D
Acq: 19 Jan 2021 16:54

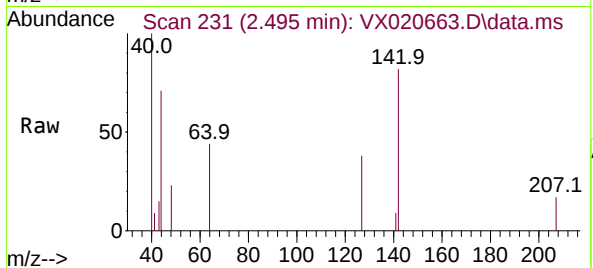
Tgt Ion: 64 Resp: 116
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



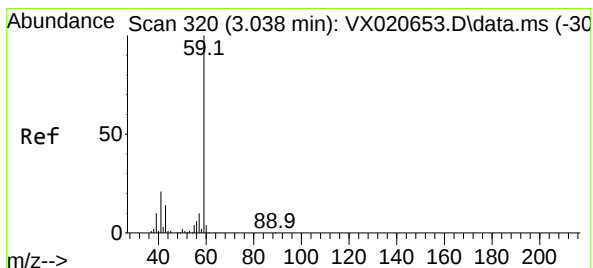
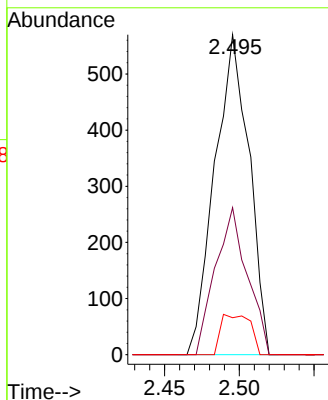
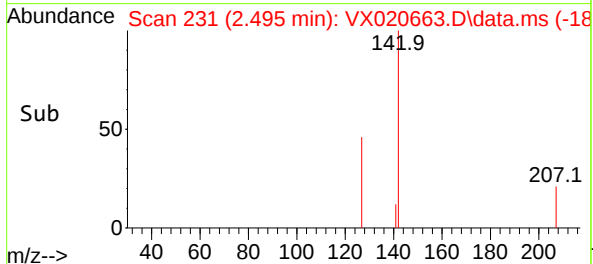


#10
Methyl Iodide
Concen: 0.27 ug/l
RT: 2.495 min Scan# 231
Delta R.T. 0.006 min
Lab File: VX020663.D
Acq: 19 Jan 2021 16:54

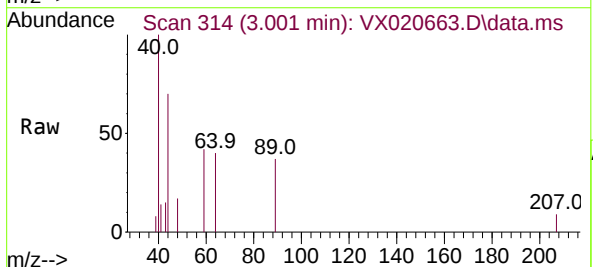
Instrument :
MSVOA_X
ClientSampleId :
1665-1667



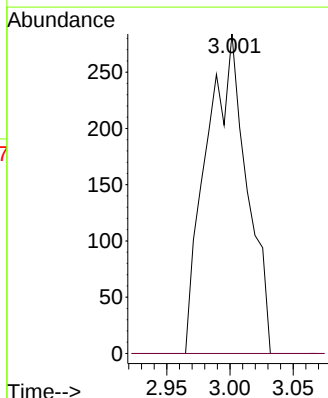
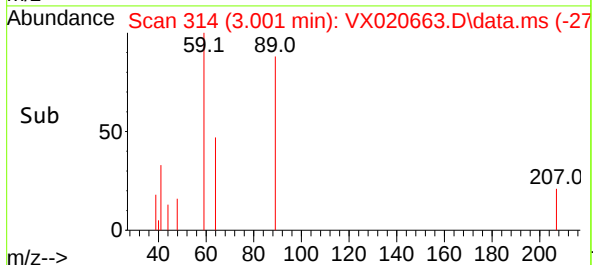
Tgt Ion:142 Resp: 908
Ion Ratio Lower Upper
142 100
127 42.8 33.3 49.9
141 10.8 11.4 17.0#

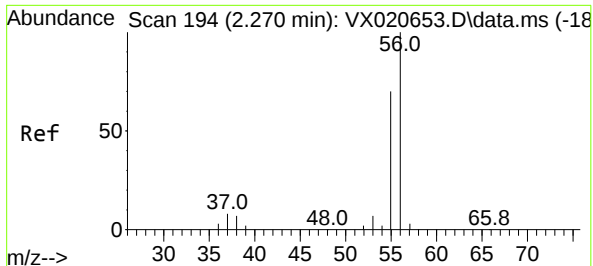


#11
Tert butyl alcohol
Concen: 1.13 ug/l
RT: 3.001 min Scan# 314
Delta R.T. -0.037 min
Lab File: VX020663.D
Acq: 19 Jan 2021 16:54



Tgt Ion: 59 Resp: 632
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

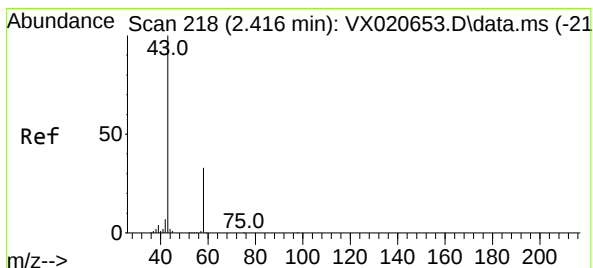
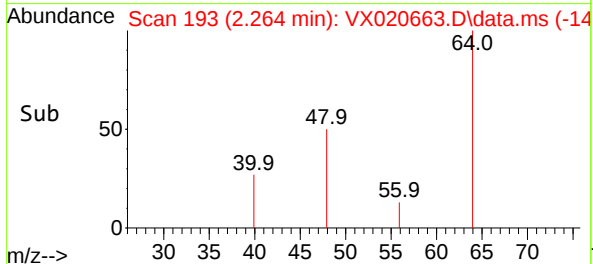
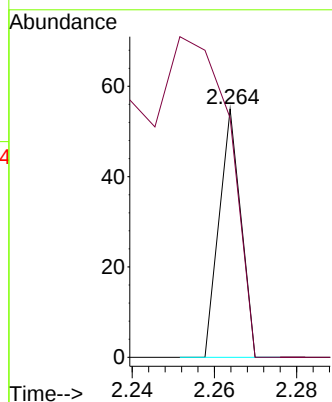
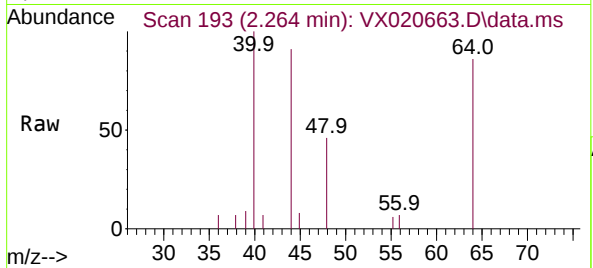




#13
Acrolein
Concen: 30.36 ug/l
RT: 2.264 min Scan# 193
Delta R.T. -0.006 min
Lab File: VX020663.D
Acq: 19 Jan 2021 16:54

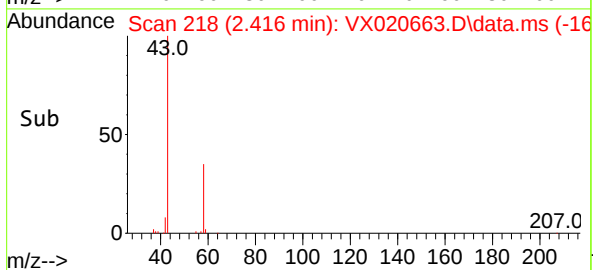
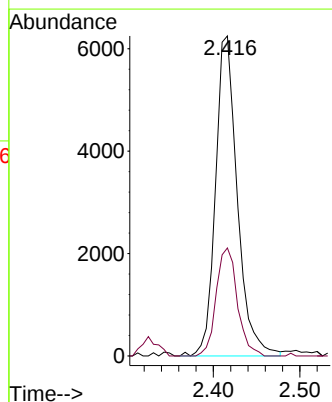
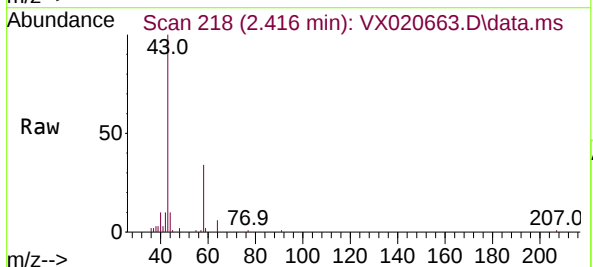
Instrument :
MSVOA_X
ClientSampleId :
1665-1667

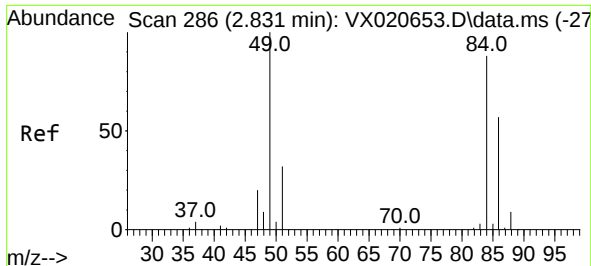
Tgt Ion: 56 Resp: 20
Ion Ratio Lower Upper
56 100
55 550.0 56.4 84.6#



#16
Acetone
Concen: 8.91 ug/l
RT: 2.416 min Scan# 218
Delta R.T. 0.000 min
Lab File: VX020663.D
Acq: 19 Jan 2021 16:54

Tgt Ion: 43 Resp: 10950
Ion Ratio Lower Upper
43 100
58 33.7 27.8 41.8

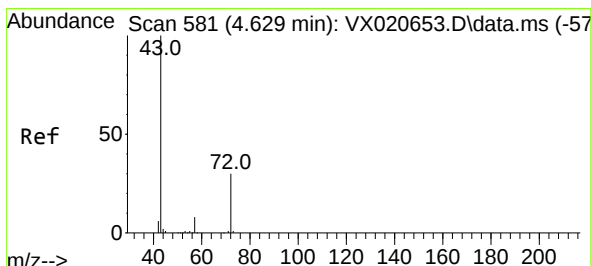
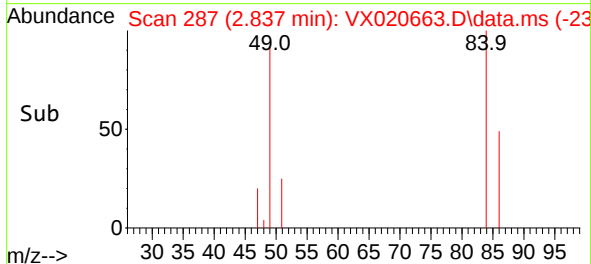
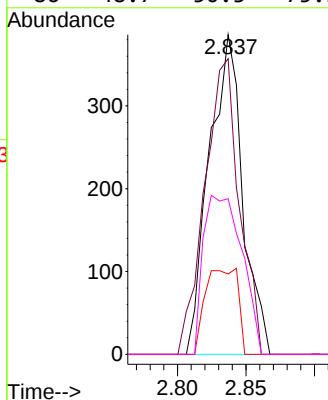
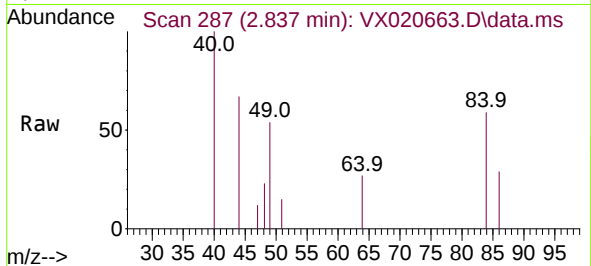




#20
Methylene Chloride
Concen: 0.22 ug/l
RT: 2.837 min Scan# 287
Delta R.T. 0.006 min
Lab File: VX020663.D
Acq: 19 Jan 2021 16:54

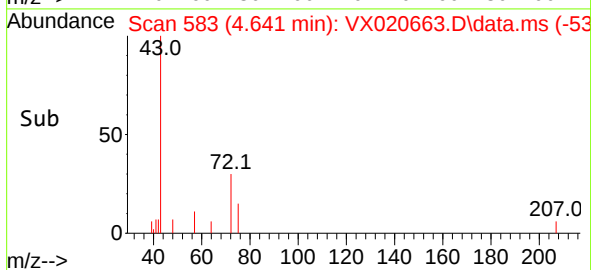
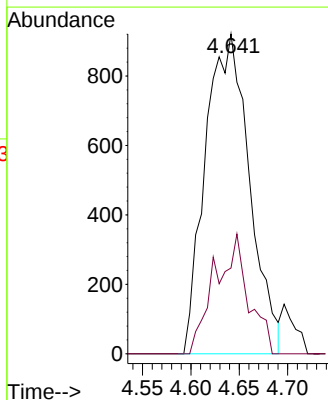
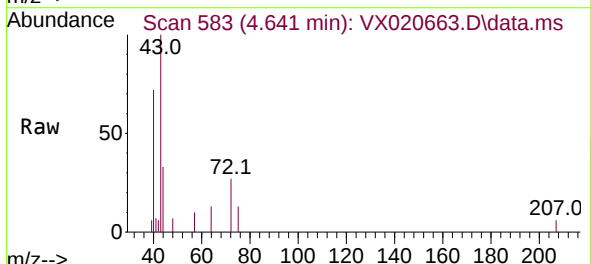
Instrument :
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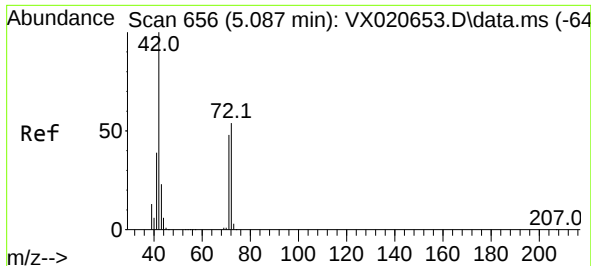
Tgt Ion: 84	Resp: 655
Ion Ratio	Lower Upper
84 100	
49 92.5	88.6 132.8
51 25.1	27.0 40.6#
86 48.7	50.3 75.5#



#25
2-Butanone
Concen: 1.62 ug/l
RT: 4.641 min Scan# 583
Delta R.T. 0.012 min
Lab File: VX020663.D
Acq: 19 Jan 2021 16:54

Tgt Ion: 43	Resp: 2916
Ion Ratio	Lower Upper
43 100	
72 26.8	23.7 35.5





#29

Tetrahydrofuran

Concen: 0.24 ug/l

RT: 5.080 min Scan# 655

Delta R.T. -0.007 min

Lab File: VX020663.D

Acq: 19 Jan 2021 16:54

Tgt Ion: 42 Resp: 267

Ion Ratio Lower Upper

42 100

72 0.0 41.7 62.5#

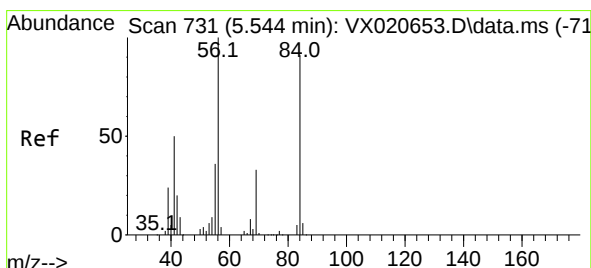
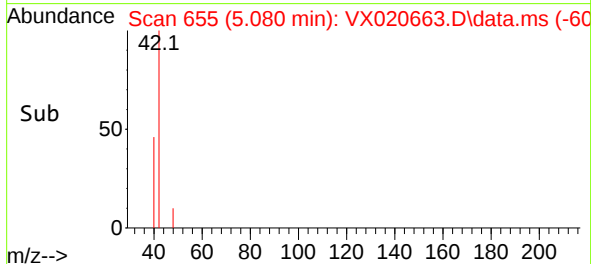
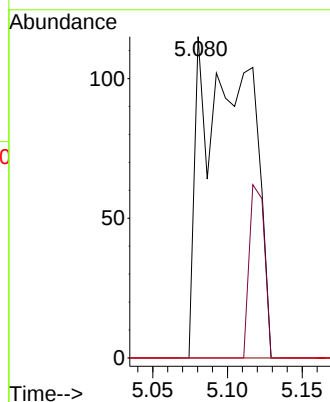
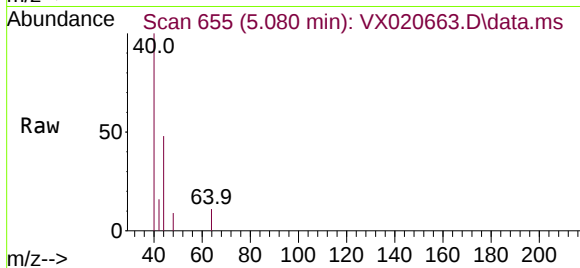
71 0.0 38.4 57.6#

Instrument :

MSVOA_X

ClientSampleId :

1665-1667



#31

Cyclohexane

Concen: 1.13 ug/l

RT: 5.623 min Scan# 744

Delta R.T. 0.079 min

Lab File: VX020663.D

Acq: 19 Jan 2021 16:54

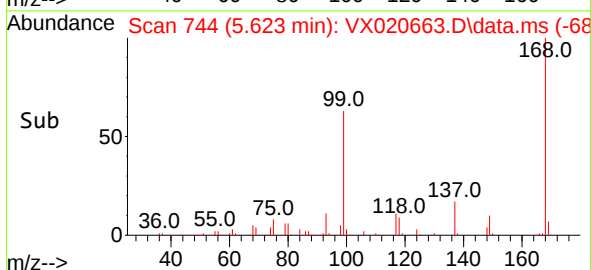
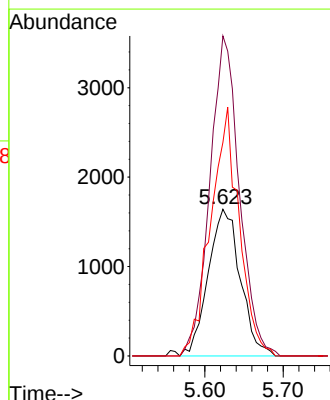
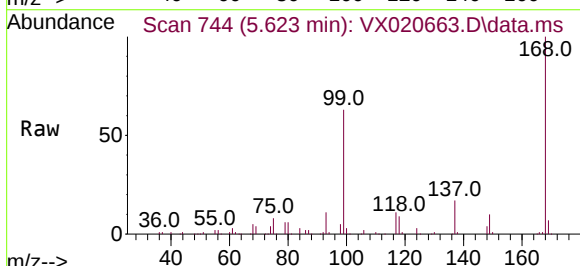
Tgt Ion: 56 Resp: 4683

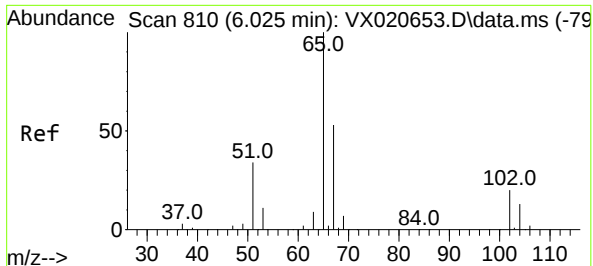
Ion Ratio Lower Upper

56 100

69 218.0 25.3 37.9#

84 145.5 71.4 107.0#





#33

1,2-Dichloroethane-d4

Concen: 51.05 ug/l

RT: 6.025 min Scan# 810

Delta R.T. 0.000 min

Lab File: VX020663.D

Acq: 19 Jan 2021 16:54

Tgt Ion: 65 Resp: 161610

Ion Ratio Lower Upper

65 100

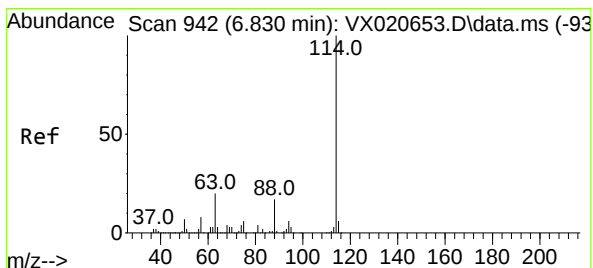
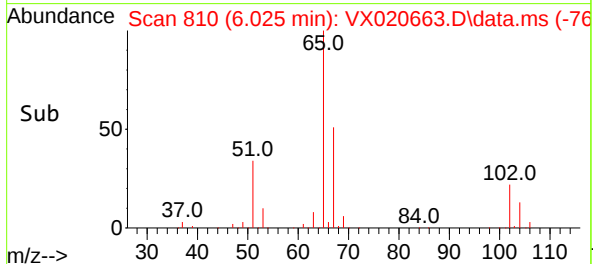
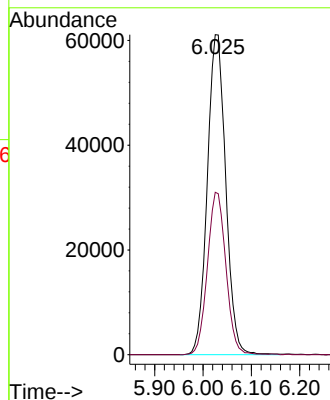
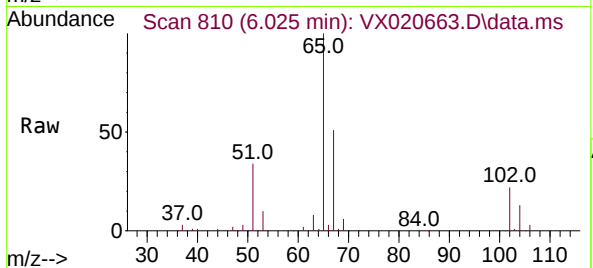
67 50.9 0.0 105.4

Instrument :

MSVOA_X

ClientSampleId :

1665-1667



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.830 min Scan# 942

Delta R.T. 0.000 min

Lab File: VX020663.D

Acq: 19 Jan 2021 16:54

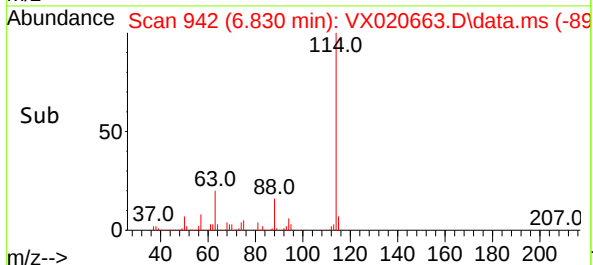
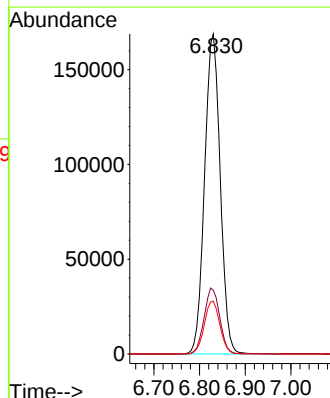
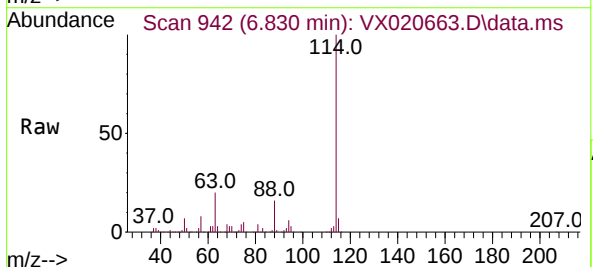
Tgt Ion: 114 Resp: 401644

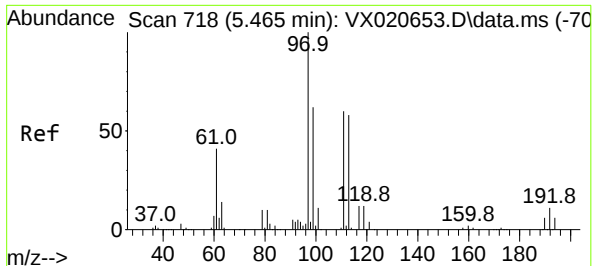
Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.8

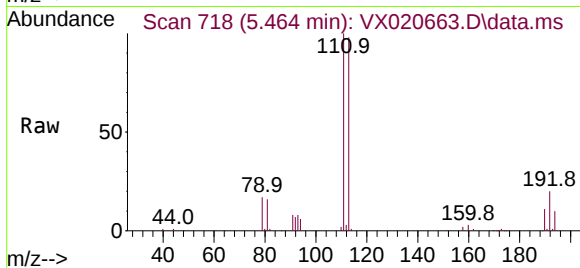
88 16.5 0.0 32.8



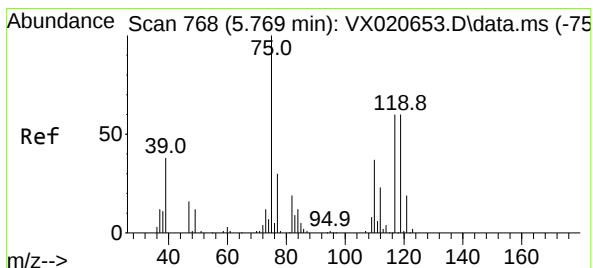
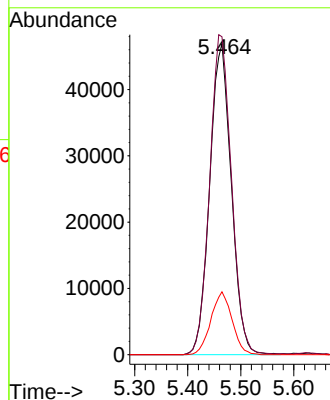
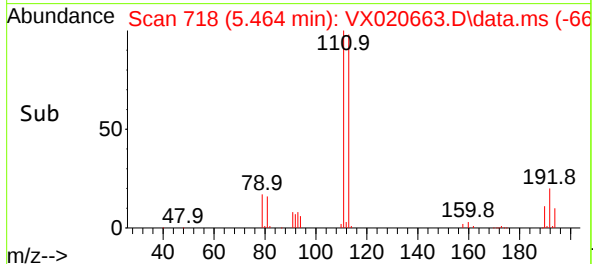


#35
Dibromofluoromethane
Concen: 47.97 ug/l
RT: 5.464 min Scan# 718
Delta R.T. -0.001 min
Lab File: VX020663.D
Acq: 19 Jan 2021 16:54

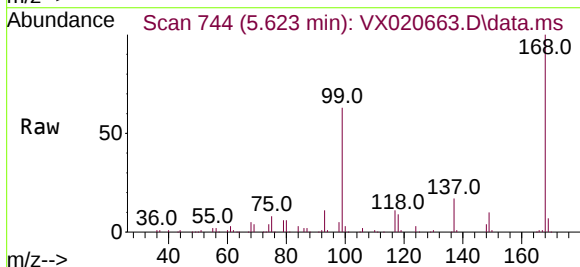
Instrument :
MSVOA_X
ClientSampleId :
1665-1667



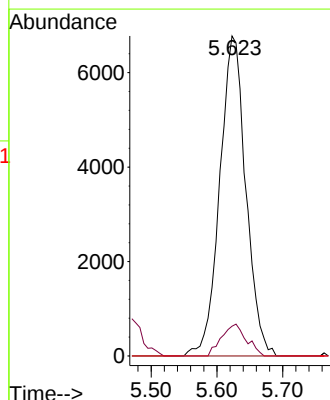
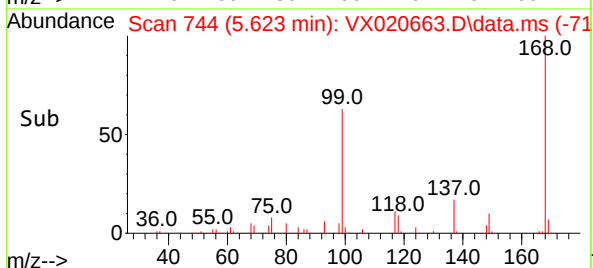
Tgt Ion:113 Resp: 132733
Ion Ratio Lower Upper
113 100
111 103.8 81.9 122.9
192 19.8 16.7 25.1

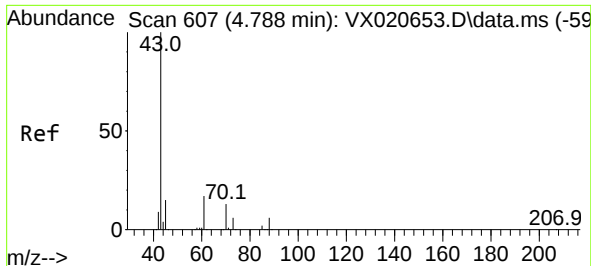


#36
1,1-Dichloropropene
Concen: 4.62 ug/l
RT: 5.623 min Scan# 744
Delta R.T. -0.146 min
Lab File: VX020663.D
Acq: 19 Jan 2021 16:54



Tgt Ion: 75 Resp: 18698
Ion Ratio Lower Upper
75 100
110 9.4 18.1 54.4#
77 0.0 25.3 37.9#





#37

Ethyl Acetate

Concen: 0.78 ug/l

RT: 4.641 min Scan# 583

Delta R.T. -0.147 min

Lab File: VX020663.D

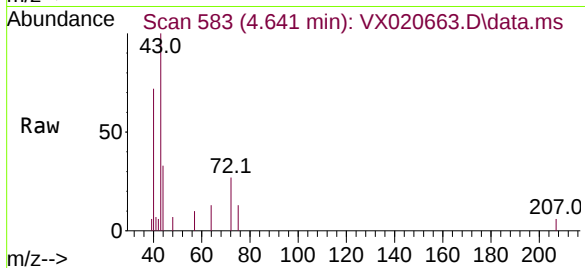
Acq: 19 Jan 2021 16:54

Instrument :

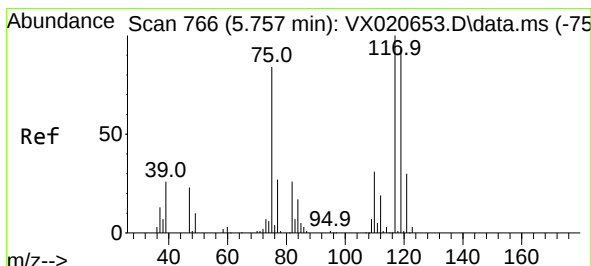
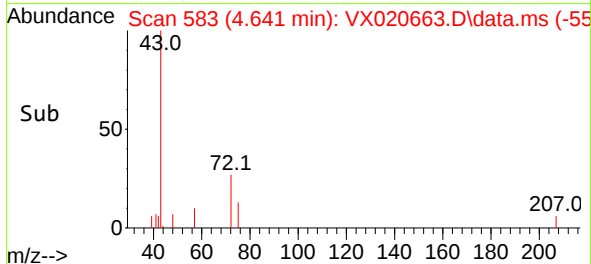
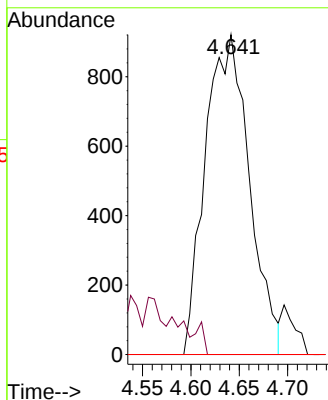
MSVOA_X

ClientSampled :

1665-1667



Tgt Ion:	43	Resp:	2916
Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.8	19.2#
70	0.0	10.5	15.7#



#38

Carbon Tetrachloride

Concen: 5.52 ug/l

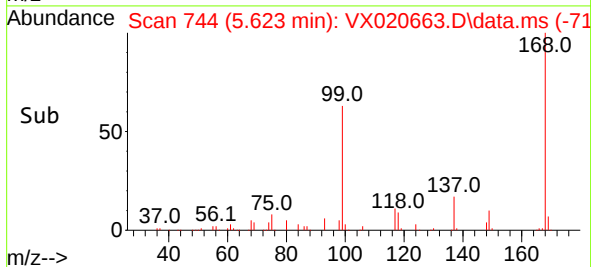
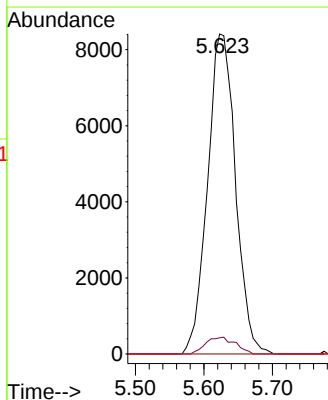
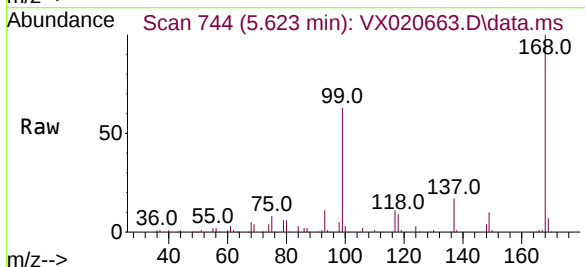
RT: 5.623 min Scan# 744

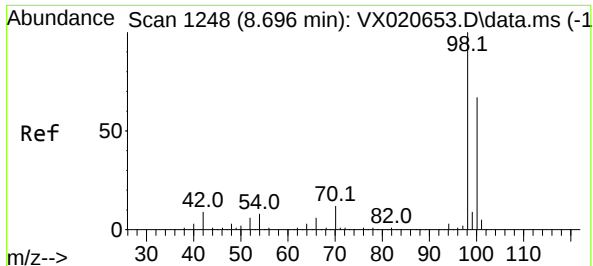
Delta R.T. -0.134 min

Lab File: VX020663.D

Acq: 19 Jan 2021 16:54

Tgt Ion:	117	Resp:	23843
Ion	Ratio	Lower	Upper
117	100		
119	5.1	76.2	114.2#
121	0.0	24.8	37.2#

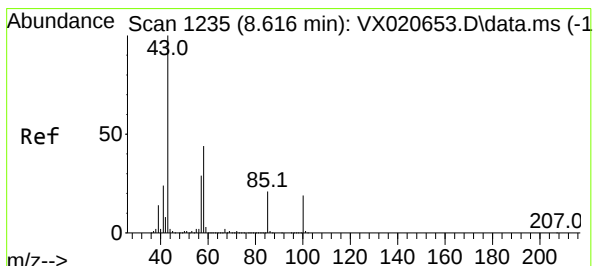
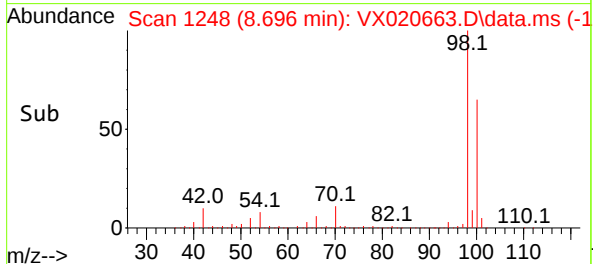
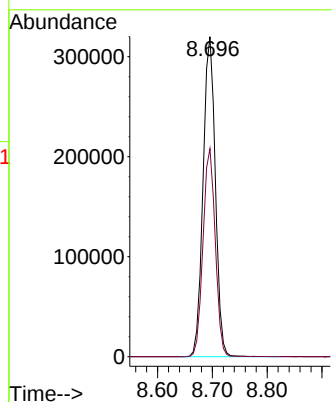
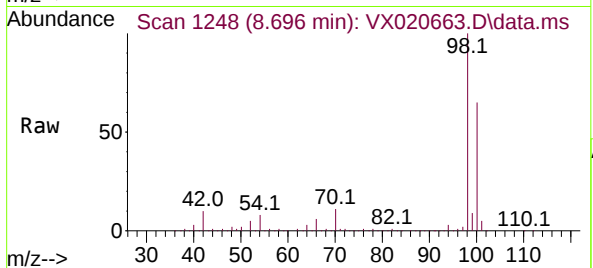




#50
Toluene-d8
Concen: 49.77 ug/l
RT: 8.696 min Scan# 1248
Delta R.T. -0.000 min
Lab File: VX020663.D
Acq: 19 Jan 2021 16:54

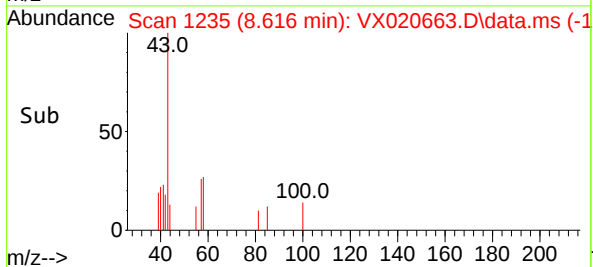
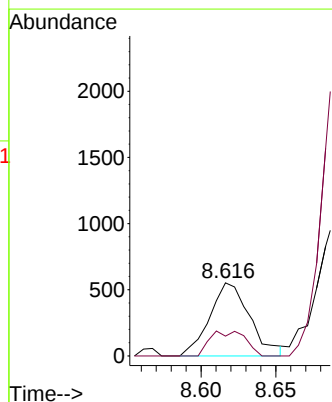
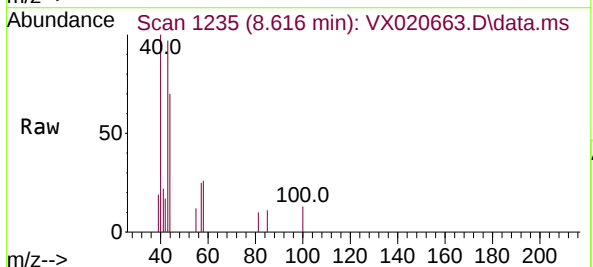
Instrument :
MSVOA_X
ClientSampleId :
1665-1667

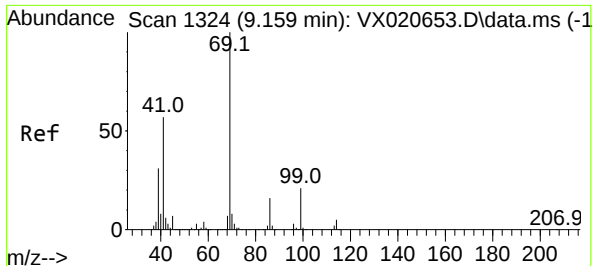
Tgt Ion: 98 Resp: 496595
Ion Ratio Lower Upper
98 100
100 65.0 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 0.29 ug/l
RT: 8.616 min Scan# 1235
Delta R.T. 0.000 min
Lab File: VX020663.D
Acq: 19 Jan 2021 16:54

Tgt Ion: 43 Resp: 1028
Ion Ratio Lower Upper
43 100
58 30.2 35.4 53.0#

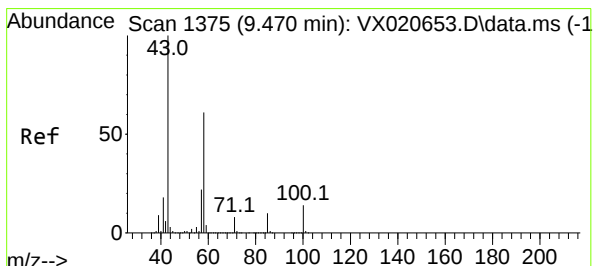
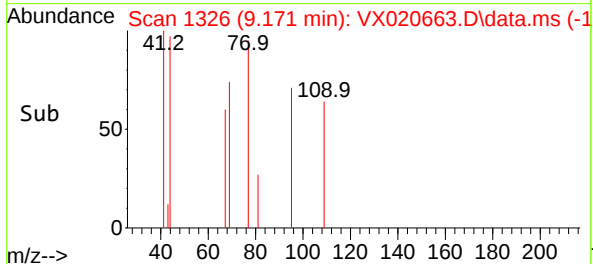
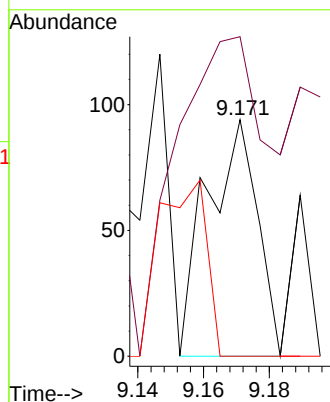
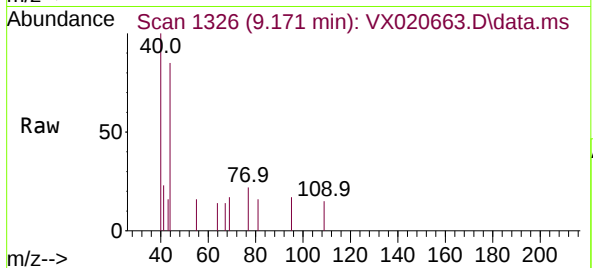




#56
Ethyl methacrylate
Concen: 2.11 ug/l
RT: 9.171 min Scan# 1326
Delta R.T. 0.012 min
Lab File: VX020663.D
Acq: 19 Jan 2021 16:54

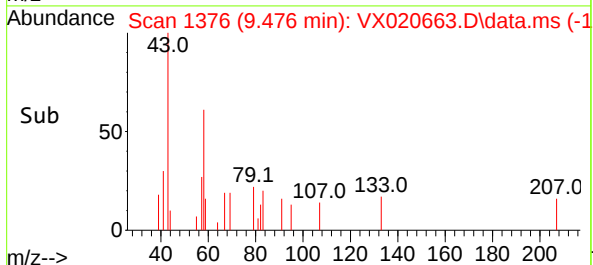
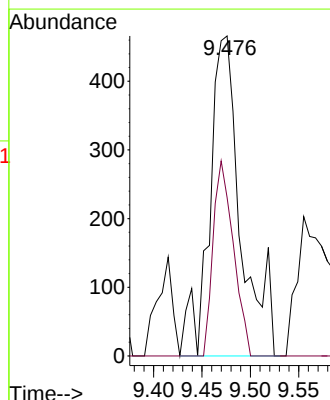
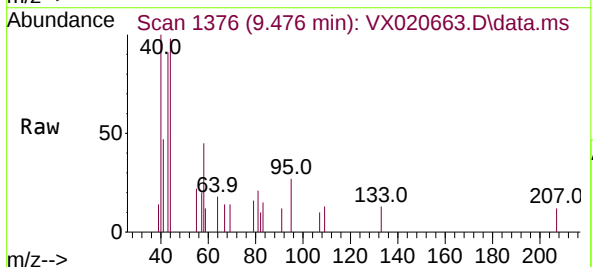
Instrument :
MSVOA_X
ClientSampleId :
1665-1667

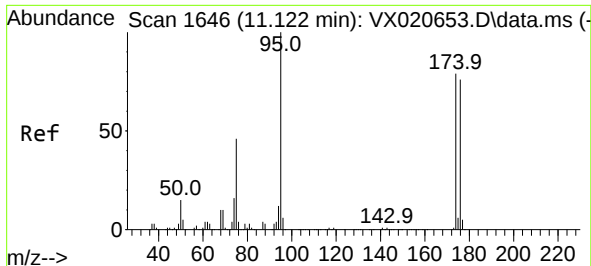
Tgt Ion: 69 Resp: 100
Ion Ratio Lower Upper
69 100
41 249.0 46.8 70.2#
39 70.0 24.7 37.1#



#59
2-Hexanone
Concen: 0.39 ug/l
RT: 9.476 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VX020663.D
Acq: 19 Jan 2021 16:54

Tgt Ion: 43 Resp: 1049
Ion Ratio Lower Upper
43 100
58 39.5 30.9 92.8

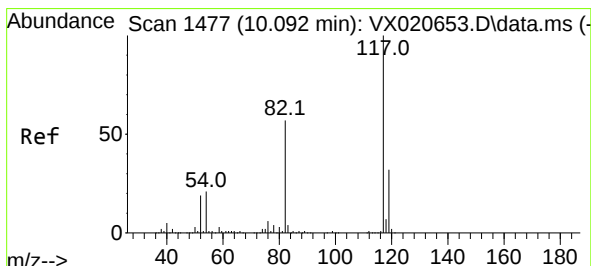
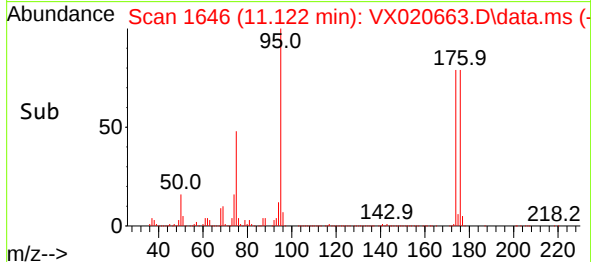
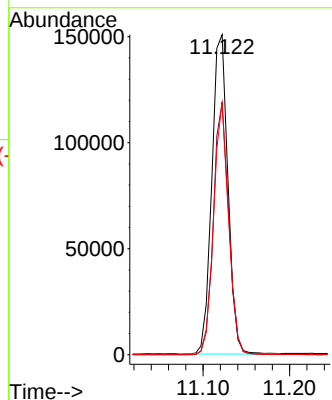
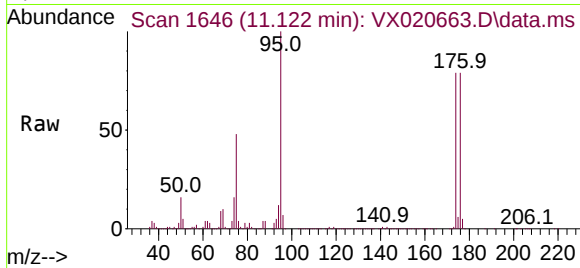




#62
4-Bromofluorobenzene
Concen: 51.59 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.000 min
Lab File: VX020663.D
Acq: 19 Jan 2021 16:54

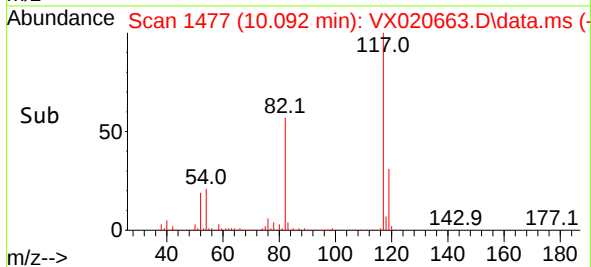
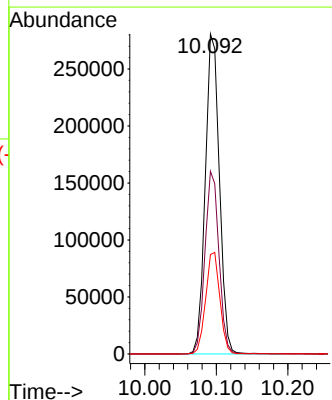
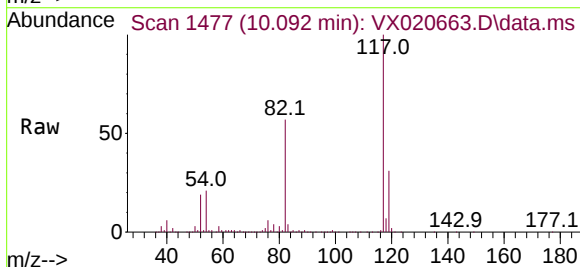
Instrument :
MSVOA_X
ClientSampleId :
1665-1667

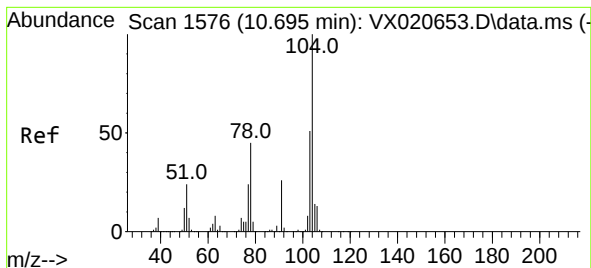
Tgt Ion: 95 Resp: 194568
Ion Ratio Lower Upper
95 100
174 75.2 0.0 154.6
176 73.5 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.092 min Scan# 1477
Delta R.T. -0.000 min
Lab File: VX020663.D
Acq: 19 Jan 2021 16:54

Tgt Ion: 117 Resp: 385888
Ion Ratio Lower Upper
117 100
82 57.1 47.4 71.2
119 31.1 26.6 39.8





#70

Styrene

Concen: 1.44 ug/l

RT: 10.695 min Scan# 1576

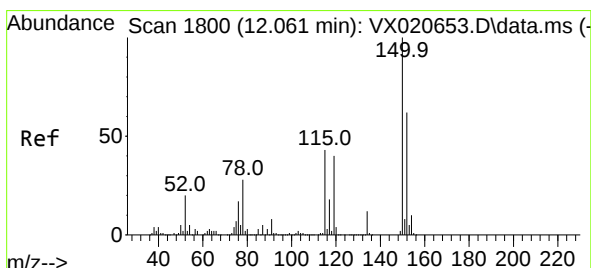
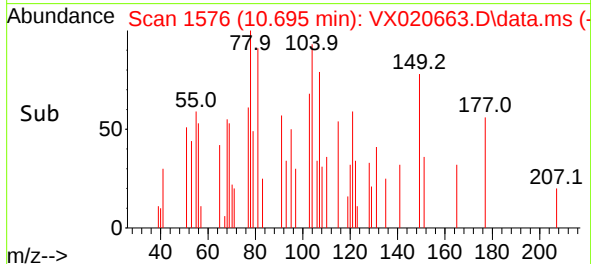
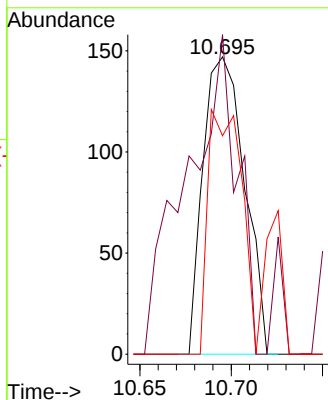
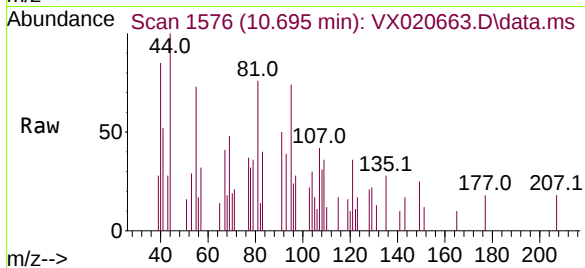
Delta R.T. 0.000 min

Lab File: VX020663.D

Acq: 19 Jan 2021 16:54

Tgt Ion:	104	Resp:	233
Ion	Ratio	Lower	Upper
104	100		
78	130.5	40.0	60.0#
103	66.5	43.4	65.0#

Instrument :
MSVOA_X
ClientSampleId :
1665-1667



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

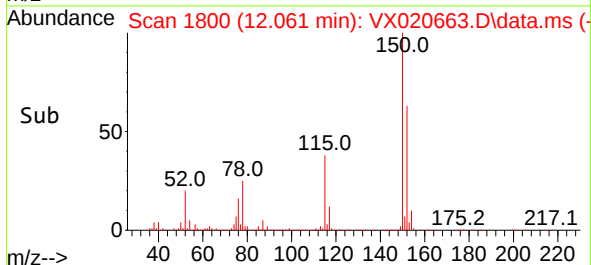
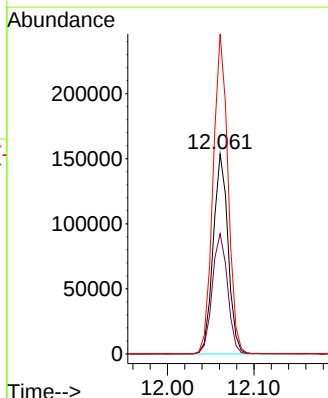
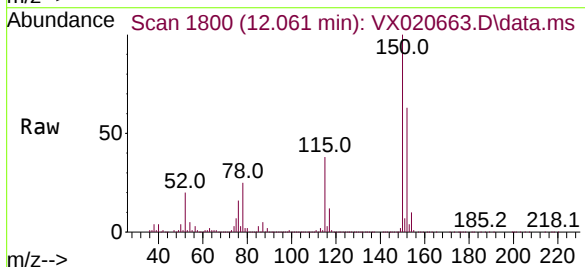
RT: 12.061 min Scan# 1800

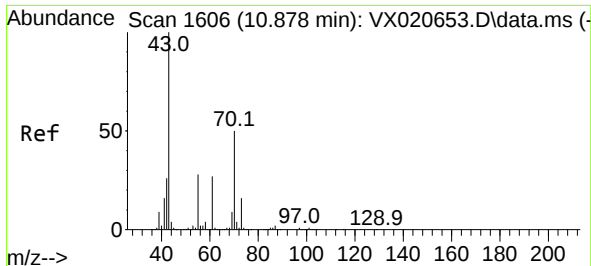
Delta R.T. -0.000 min

Lab File: VX020663.D

Acq: 19 Jan 2021 16:54

Tgt Ion:	152	Resp:	182714
Ion	Ratio	Lower	Upper
152	100		
115	61.9	41.1	123.3
150	160.7	0.0	349.0

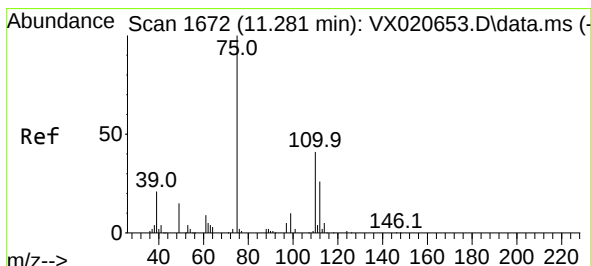
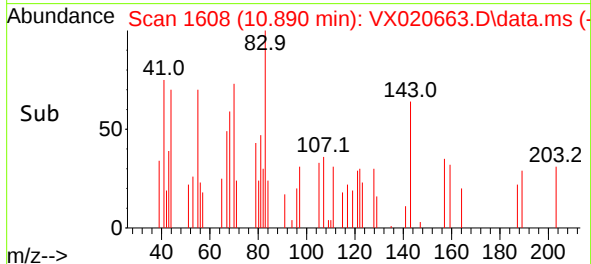
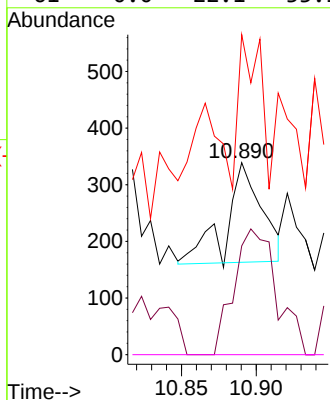
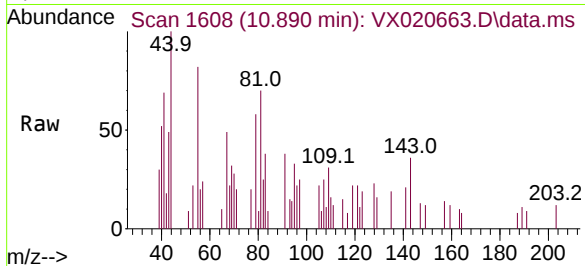




#74
N-amy1 acetate
Concen: 1.99 ug/l
RT: 10.890 min Scan# 1608
Delta R.T. 0.012 min
Lab File: VX020663.D
Acq: 19 Jan 2021 16:54

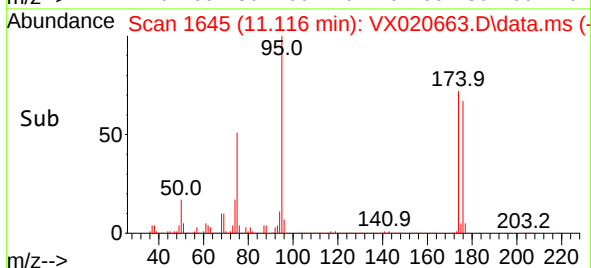
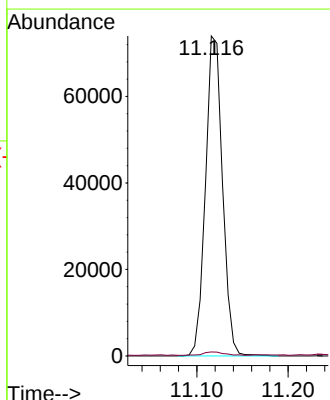
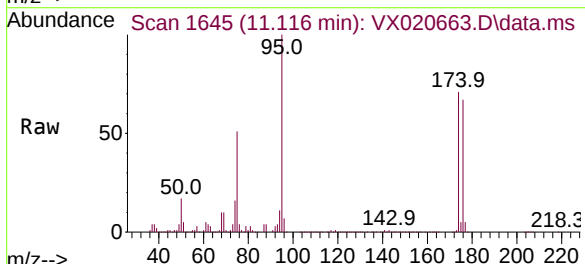
Instrument :
MSVOA_X
ClientSampleId :
1665-1667

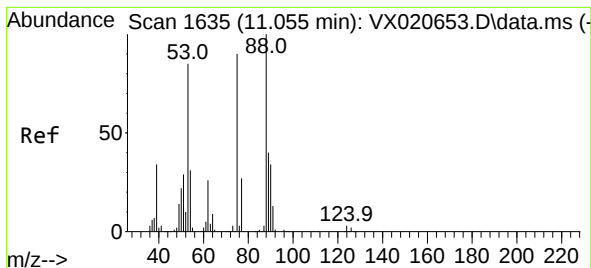
Tgt Ion: 43	Resp:	293
Ion	Ratio	Lower Upper
43	100	
70	150.5	39.0 58.6#
55	90.8	21.5 32.3#
61	0.0	22.1 33.1#



#76
1,2,3-Trichloropropane
Concen: 21.80 ug/l
RT: 11.116 min Scan# 1645
Delta R.T. -0.165 min
Lab File: VX020663.D
Acq: 19 Jan 2021 16:54

Tgt Ion: 75	Resp:	95572
Ion	Ratio	Lower Upper
75	100	
77	1.3	19.1 57.5#

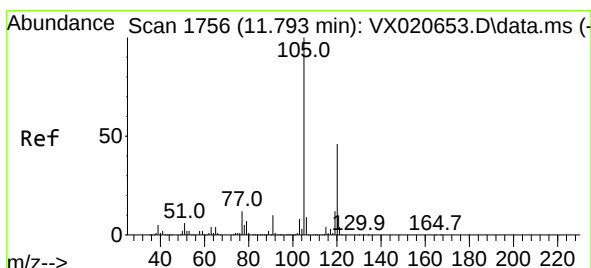
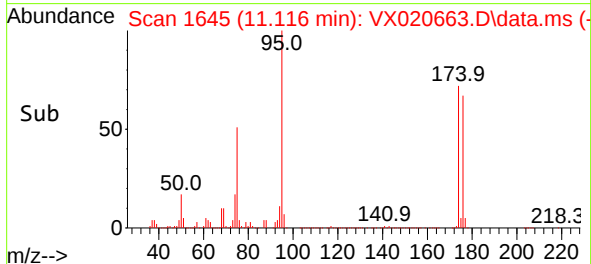
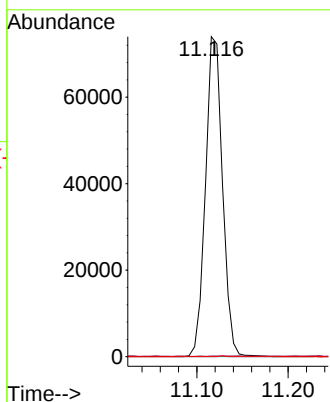
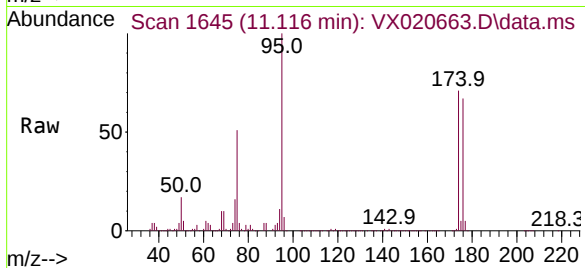




#81
trans-1,4-Dichloro-2-butene
Concen: 63.05 ug/l
RT: 11.116 min Scan# 1645
Delta R.T. 0.061 min
Lab File: VX020663.D
Acq: 19 Jan 2021 16:54

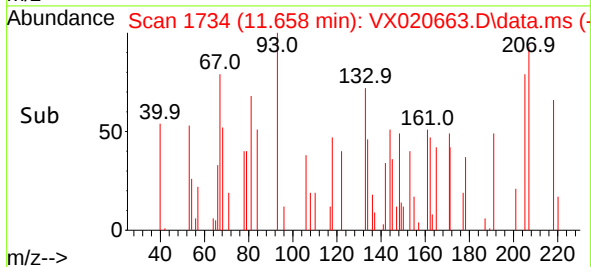
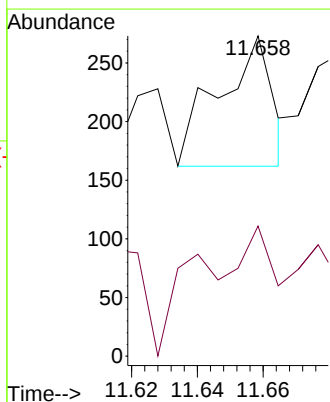
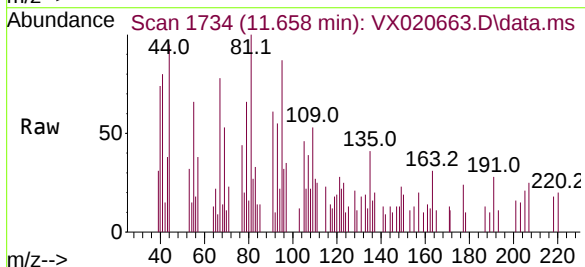
Instrument :
MSVOA_X
ClientSampleId :
1665-1667

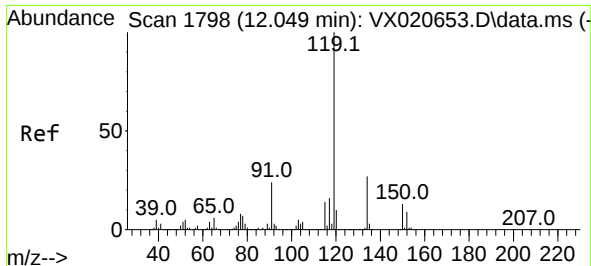
Tgt Ion: 75 Resp: 95572
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.1 37.9 56.9#



#84
1,2,4-Trimethylbenzene
Concen: 0.41 ug/l
RT: 11.658 min Scan# 1734
Delta R.T. -0.135 min
Lab File: VX020663.D
Acq: 19 Jan 2021 16:54

Tgt Ion: 105 Resp: 125
Ion Ratio Lower Upper
105 100
120 66.4 22.4 67.3

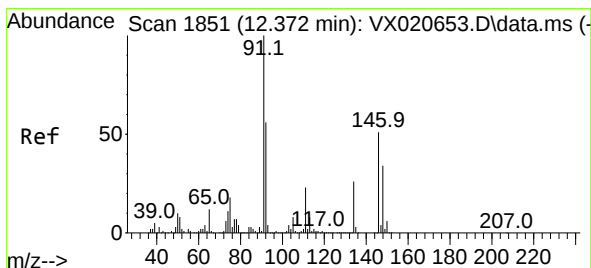
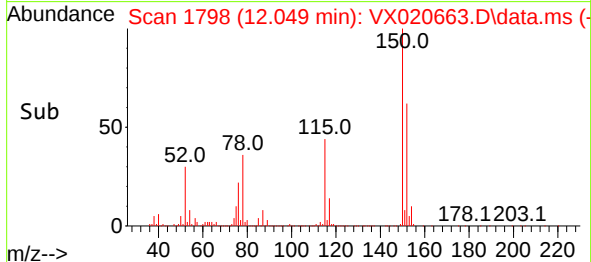
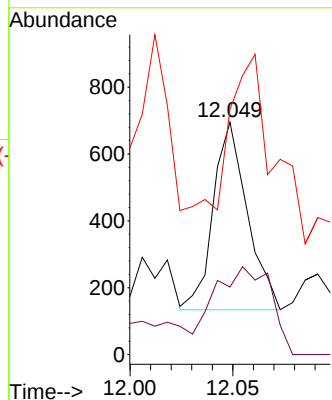
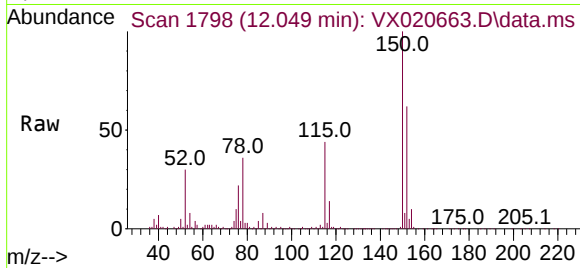




#86
p-Isopropyltoluene
Concen: 0.93 ug/l
RT: 12.049 min Scan# 1798
Delta R.T. -0.000 min
Lab File: VX020663.D
Acq: 19 Jan 2021 16:54

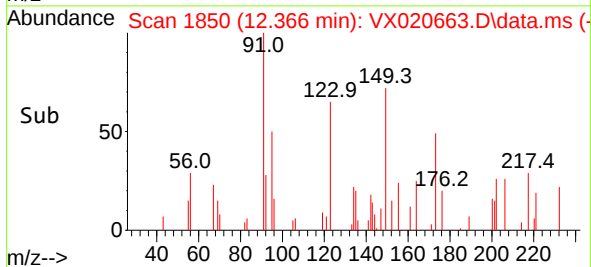
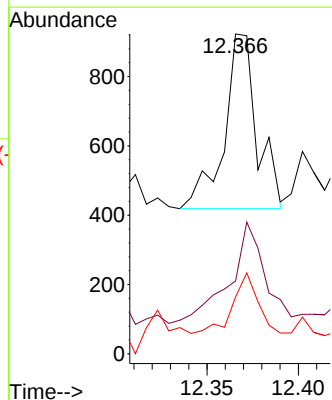
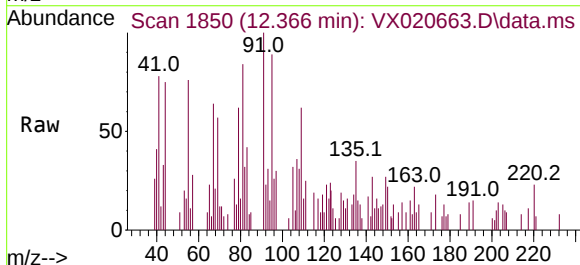
Instrument :
MSVOA_X
ClientSampled :
1665-1667

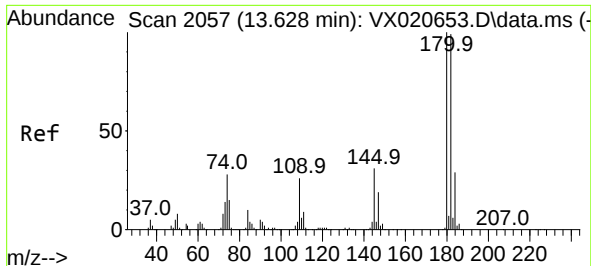
Tgt Ion:119 Resp: 648
Ion Ratio Lower Upper
119 100
134 77.3 12.9 38.7#
91 136.9 11.7 35.0#



#89
n-Butylbenzene
Concen: 1.49 ug/l
RT: 12.366 min Scan# 1850
Delta R.T. -0.006 min
Lab File: VX020663.D
Acq: 19 Jan 2021 16:54

Tgt Ion: 91 Resp: 630
Ion Ratio Lower Upper
91 100
92 63.8 27.4 82.0
134 35.2 13.2 39.5

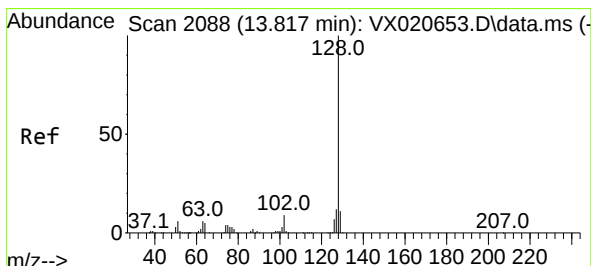
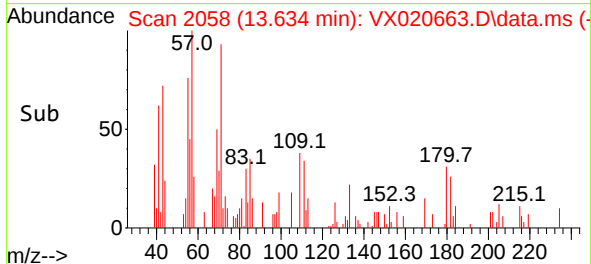
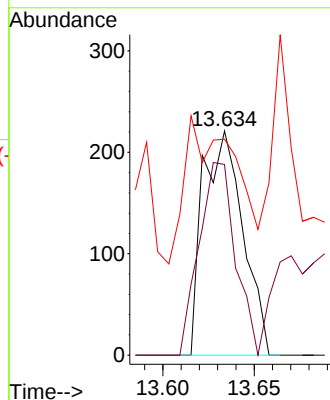
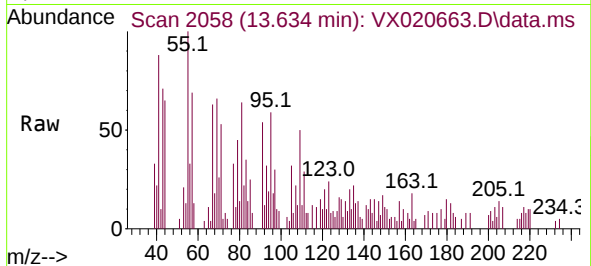




#93
1,2,4-Trichlorobenzene
Concen: 2.32 ug/l
RT: 13.634 min Scan# 2058
Delta R.T. 0.006 min
Lab File: VX020663.D
Acq: 19 Jan 2021 16:54

Instrument :
MSVOA_X
ClientSampleId :
1665-1667

Tgt Ion:180 Resp: 337
Ion Ratio Lower Upper
180 100
182 77.7 47.7 143.1
145 81.6 15.0 45.0#



#95
Naphthalene
Concen: 2.36 ug/l
RT: 13.817 min Scan# 2088
Delta R.T. -0.000 min
Lab File: VX020663.D
Acq: 19 Jan 2021 16:54

Tgt Ion:128 Resp: 5862
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 23.2 8.8 13.2#

