

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112321\
 Data File : VX025303.D
 Acq On : 24 Nov 2021 02:45
 Operator : JC/MD
 Sample : M4803-03
 Misc : 1.05g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 263

Quant Time: Nov 24 03:18:58 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111721W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 17 15:36:16 2021
 Response via : Initial Calibration

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

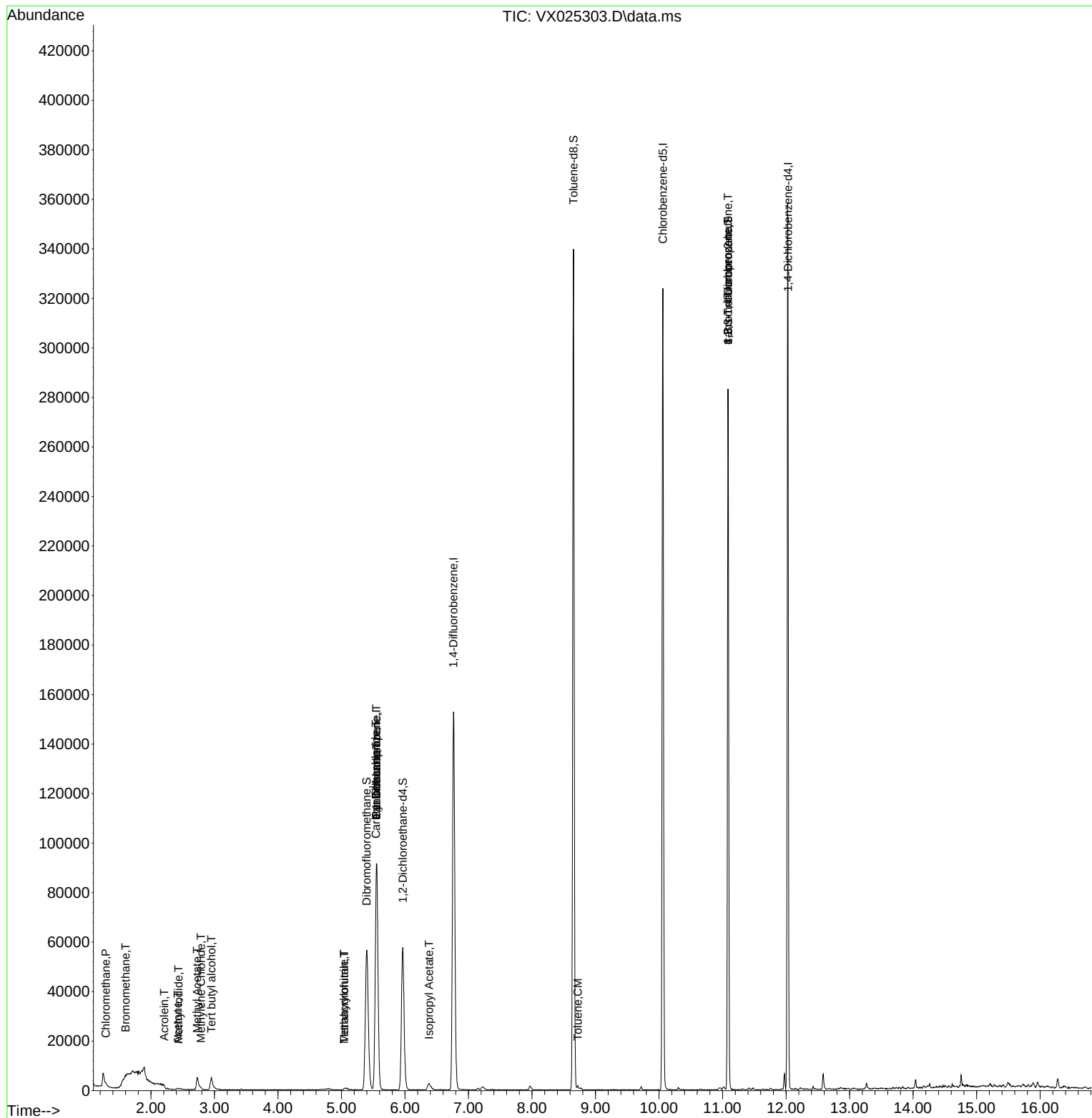
Internal Standards						
1) Pentafluorobenzene	5.549	168	98905	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	178830	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	167367	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.030	152	78322	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	58908	56.505	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 113.020%	
35) Dibromofluoromethane	5.397	113	55211	50.318	ug/l	0.01
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.640%	
50) Toluene-d8	8.653	98	211599	51.291	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 102.580%	
62) 4-Bromofluorobenzene	11.085	95	77577	49.706	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 99.420%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.288	50	234	0.220	ug/l	99
5) Bromomethane	1.599	94	281	0.561	ug/l	100
10) Methyl Iodide	2.434	142	260	0.226	ug/l #	37
11) Tert butyl alcohol	2.952	59	3607	5.233	ug/l #	72
13) Acrolein	2.209	56	127	2.659	ug/l #	79
16) Acetone	2.422	43	496	0.856	ug/l	90
18) Methyl Acetate	2.727	43	7759	4.192	ug/l	99
20) Methylene Chloride	2.788	84	381	0.350	ug/l #	57
29) Tetrahydrofuran	5.043	42	605	1.167	ug/l #	41
31) Cyclohexane	5.549	56	1860	1.155	ug/l #	1
36) 1,1-Dichloropropene	5.549	75	6592	4.225	ug/l #	50
38) Carbon Tetrachloride	5.543	117	8979	5.225	ug/l #	17
41) Methacrylonitrile	5.043	41	209	0.212	ug/l #	47
43) Isopropyl Acetate	6.379	43	1656	0.561	ug/l #	61
52) Toluene	8.720	92	661	0.214	ug/l	91
76) 1,2,3-Trichloropropane	11.085	75	36918	23.018	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.085	75	36918	57.986	ug/l #	9
95) Naphthalene	13.780	128	368	Below Cal	#	69

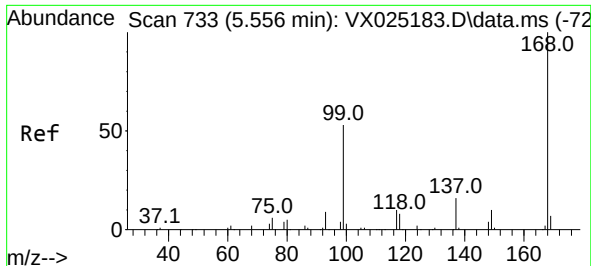
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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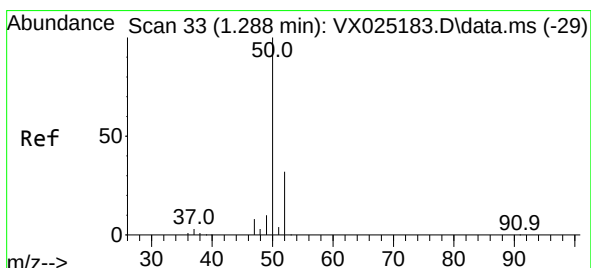
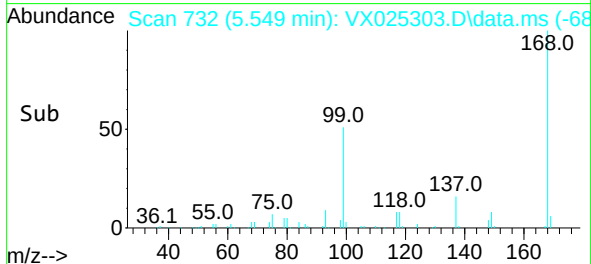
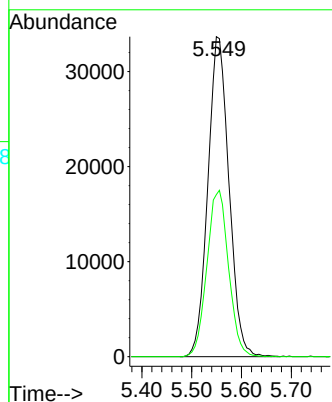
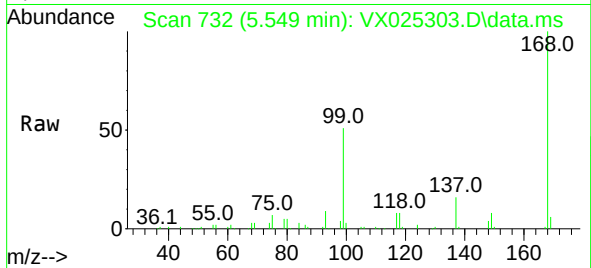




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.549 min Scan# 71
Delta R.T. -0.007 min
Lab File: VX025303.D
Acq: 24 Nov 2021 02:45

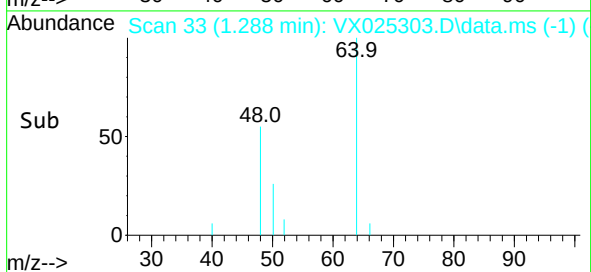
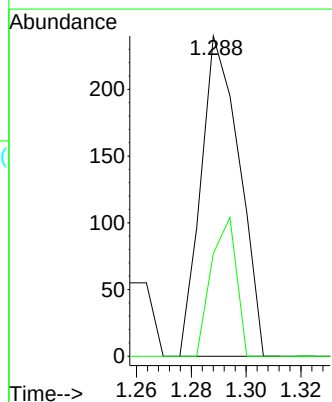
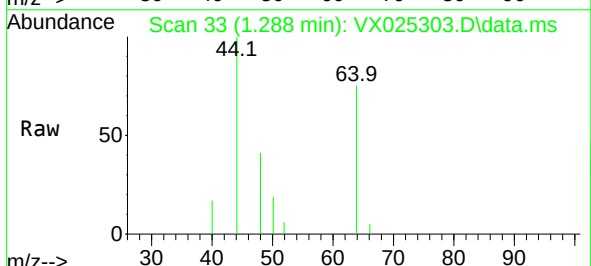
Instrument :
MSVOA_X
ClientSampleId :
263

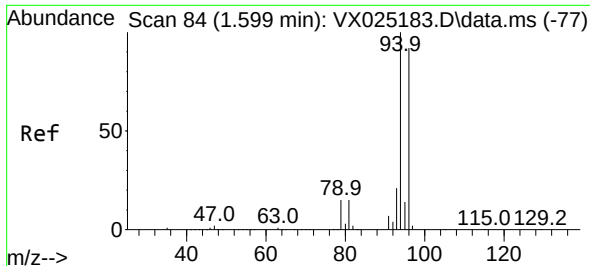
Tgt Ion:168 Resp: 98905
Ion Ratio Lower Upper
168 100
99 50.6 46.4 69.6



#3
Chloromethane
Concen: 0.220 ug/l
RT: 1.288 min Scan# 33
Delta R.T. 0.000 min
Lab File: VX025303.D
Acq: 24 Nov 2021 02:45

Tgt Ion: 50 Resp: 234
Ion Ratio Lower Upper
50 100
52 32.1 25.9 38.9

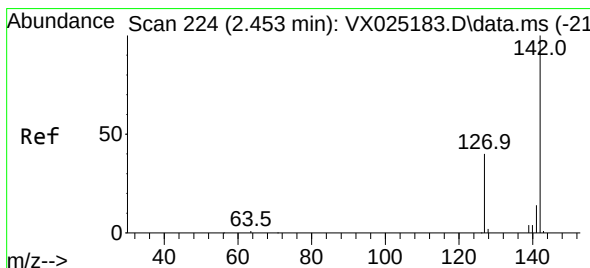
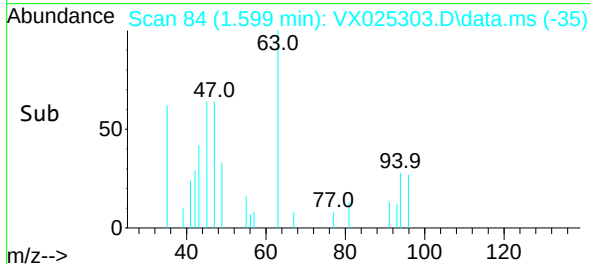
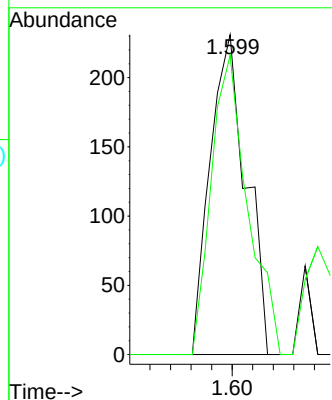
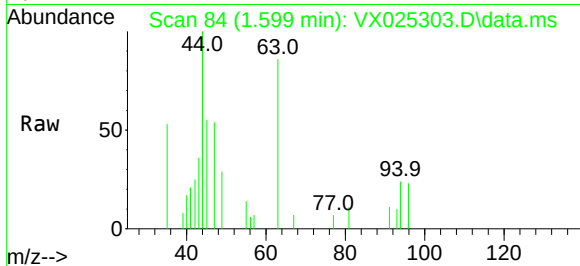




#5
Bromomethane
Concen: 0.561 ug/l
RT: 1.599 min Scan# 84
Delta R.T. -0.000 min
Lab File: VX025303.D
Acq: 24 Nov 2021 02:45

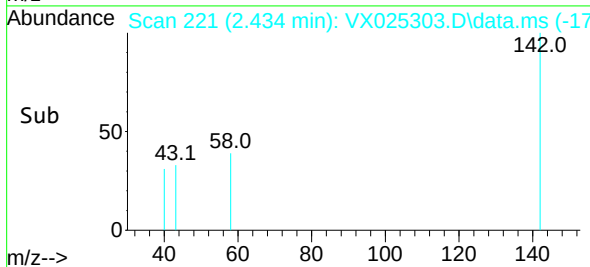
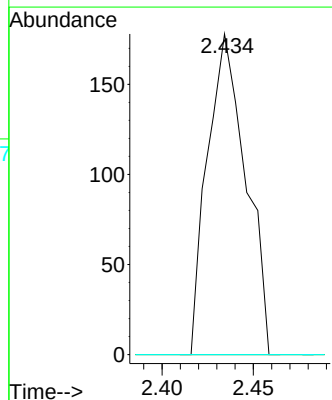
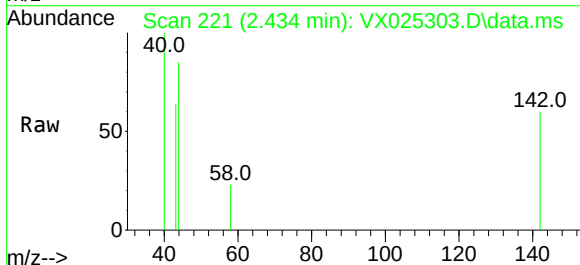
Instrument :
MSVOA_X
ClientSampleId :
263

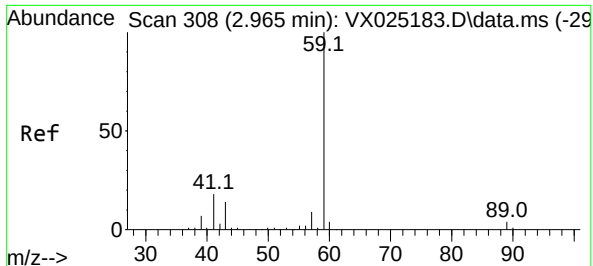
Tgt Ion: 94 Resp: 281
Ion Ratio Lower Upper
94 100
96 93.5 74.8 112.2



#10
Methyl Iodide
Concen: 0.226 ug/l
RT: 2.434 min Scan# 221
Delta R.T. -0.019 min
Lab File: VX025303.D
Acq: 24 Nov 2021 02:45

Tgt Ion: 142 Resp: 260
Ion Ratio Lower Upper
142 100
127 0.0 38.9 58.3#
141 0.0 11.7 17.5#





#11

Tert butyl alcohol

Concen: 5.233 ug/l

RT: 2.952 min Scan# 308

Delta R.T. -0.013 min

Lab File: VX025303.D

Acq: 24 Nov 2021 02:45

Instrument :

MSVOA_X

ClientSampleId :

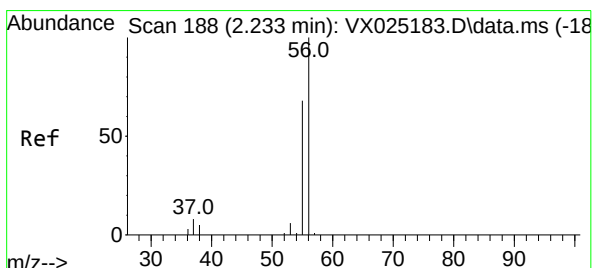
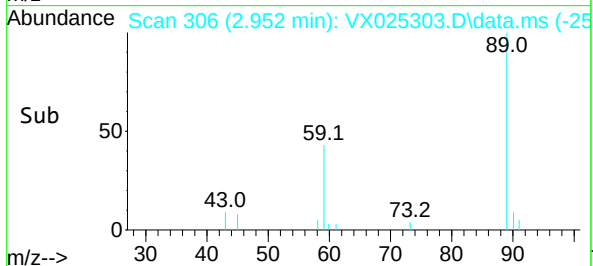
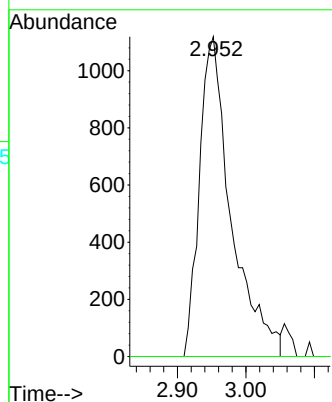
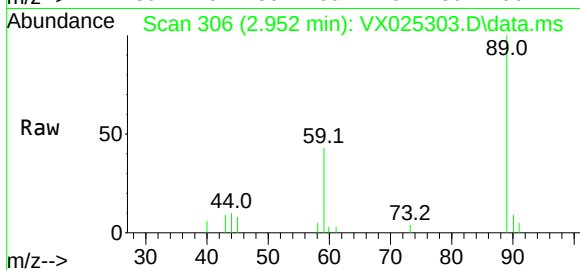
263

Tgt Ion: 59 Resp: 3607

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



#13

Acrolein

Concen: 2.659 ug/l

RT: 2.209 min Scan# 184

Delta R.T. -0.024 min

Lab File: VX025303.D

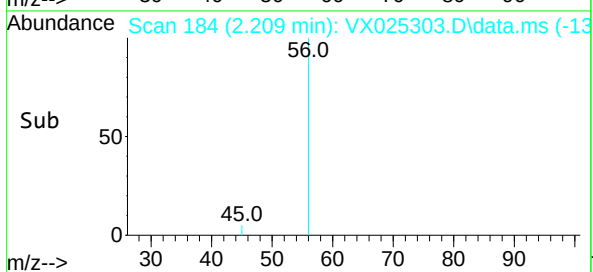
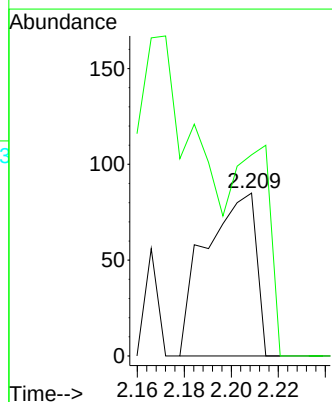
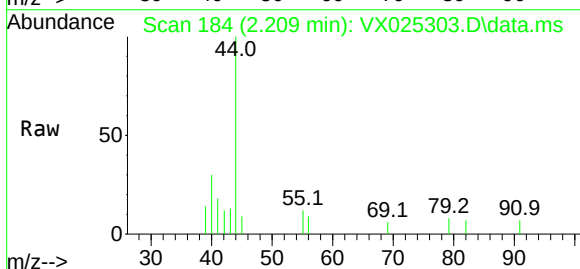
Acq: 24 Nov 2021 02:45

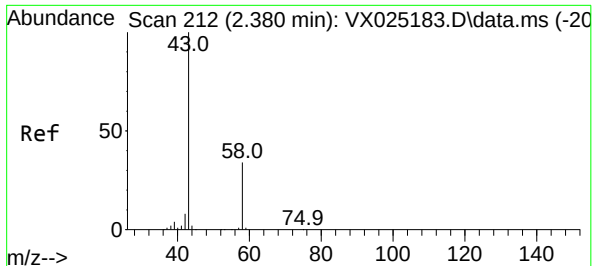
Tgt Ion: 56 Resp: 127

Ion Ratio Lower Upper

56 100

55 90.6 58.6 87.8#

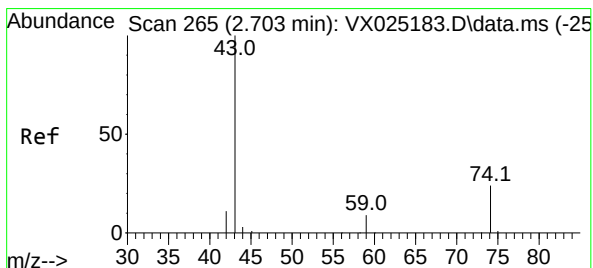
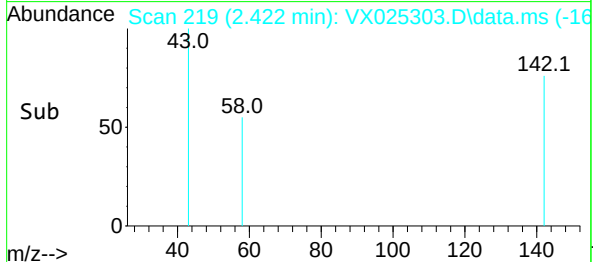
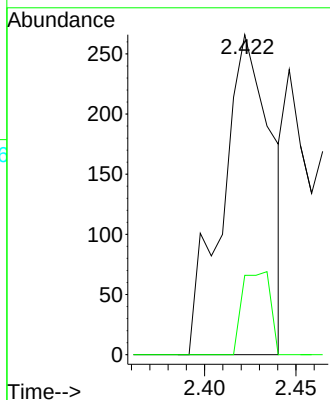
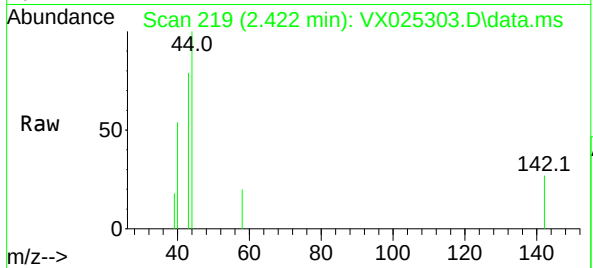




#16
Acetone
Concen: 0.856 ug/l
RT: 2.422 min Scan# 212
Delta R.T. 0.042 min
Lab File: VX025303.D
Acq: 24 Nov 2021 02:45

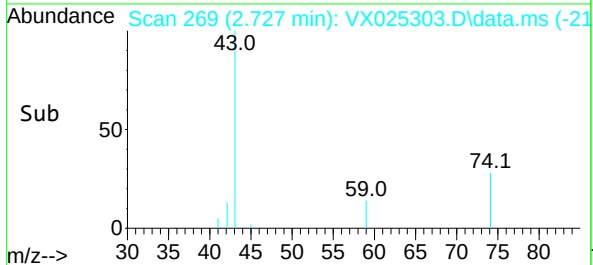
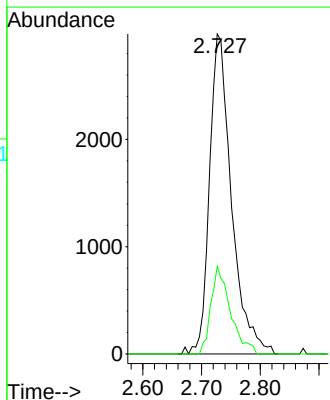
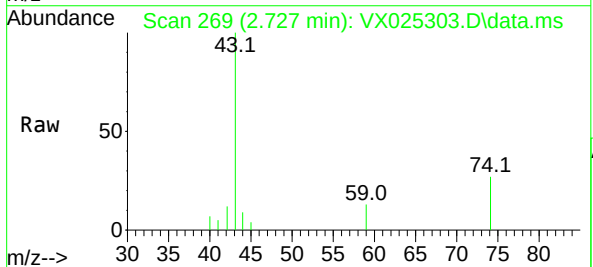
Instrument :
MSVOA_X
ClientSampleId :
263

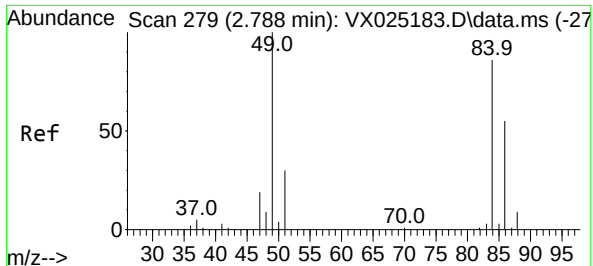
Tgt Ion: 43 Resp: 496
Ion Ratio Lower Upper
43 100
58 24.8 24.0 36.0



#18
Methyl Acetate
Concen: 4.192 ug/l
RT: 2.727 min Scan# 269
Delta R.T. 0.024 min
Lab File: VX025303.D
Acq: 24 Nov 2021 02:45

Tgt Ion: 43 Resp: 7759
Ion Ratio Lower Upper
43 100
74 24.2 19.0 28.6

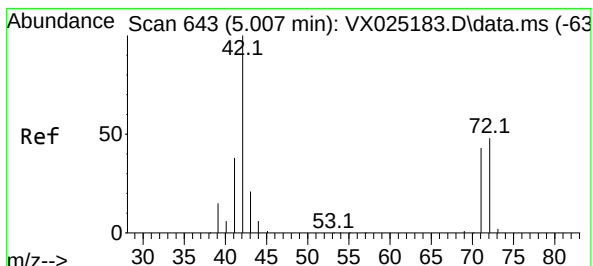
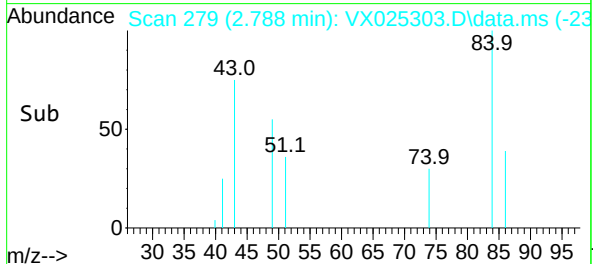
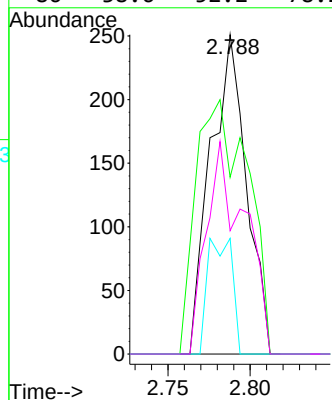
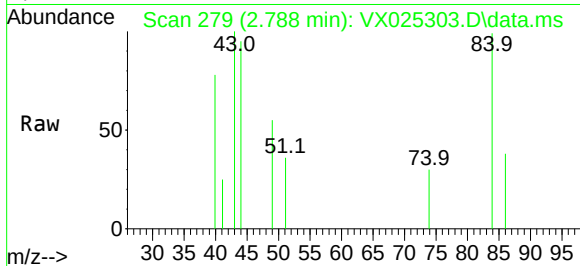




#20
Methylene Chloride
Concen: 0.350 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX025303.D
Acq: 24 Nov 2021 02:45

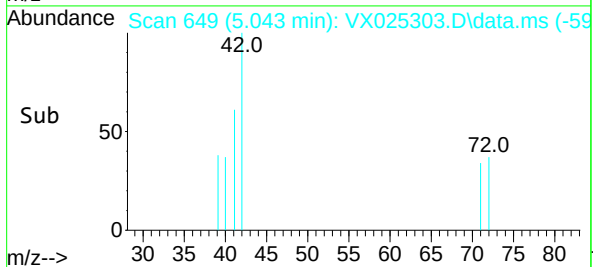
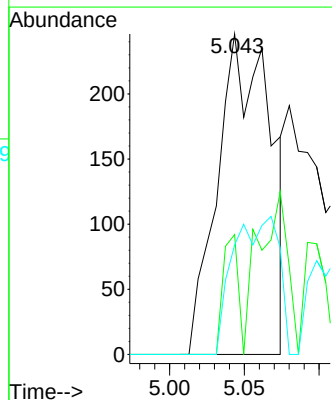
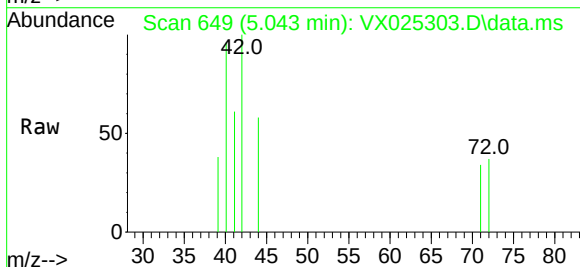
Instrument :
MSVOA_X
ClientSampleId :
263

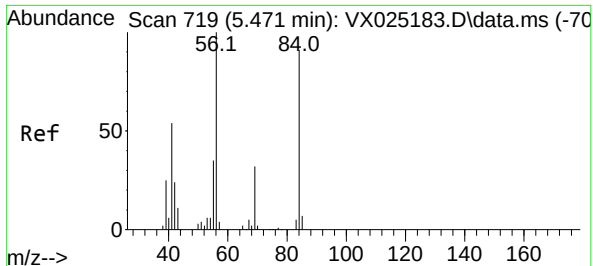
Tgt Ion:	84	Resp:	381
Ion	Ratio	Lower	Upper
84	100		
49	55.4	98.2	147.2#
51	36.3	30.2	45.4
86	38.6	52.2	78.2#



#29
Tetrahydrofuran
Concen: 1.167 ug/l
RT: 5.043 min Scan# 649
Delta R.T. 0.036 min
Lab File: VX025303.D
Acq: 24 Nov 2021 02:45

Tgt Ion:	42	Resp:	605
Ion	Ratio	Lower	Upper
42	100		
72	10.6	36.1	54.1#
71	0.0	33.7	50.5#

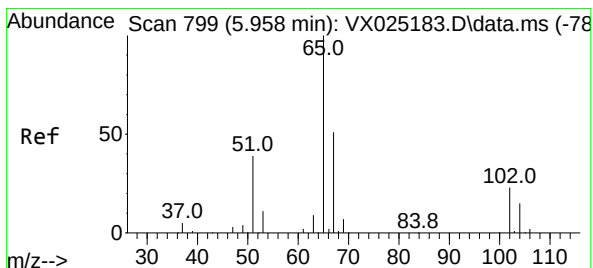
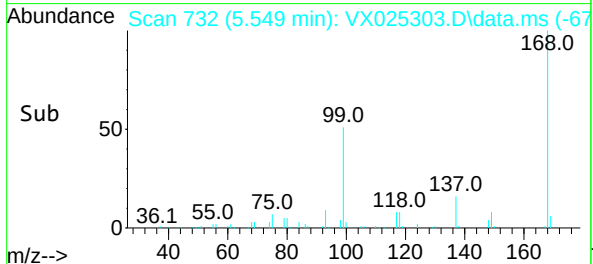
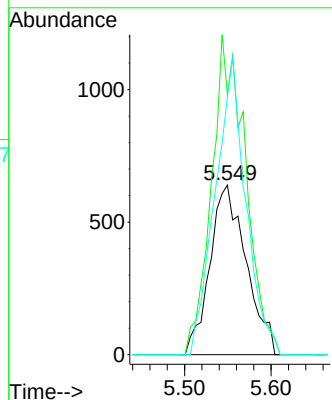
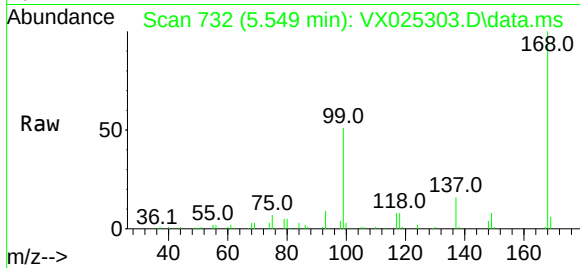




#31
Cyclohexane
Concen: 1.155 ug/l
RT: 5.549 min Scan# 719
Delta R.T. 0.078 min
Lab File: VX025303.D
Acq: 24 Nov 2021 02:45

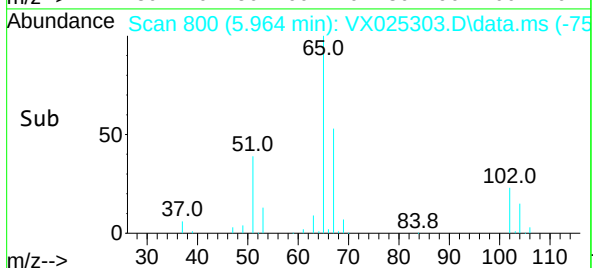
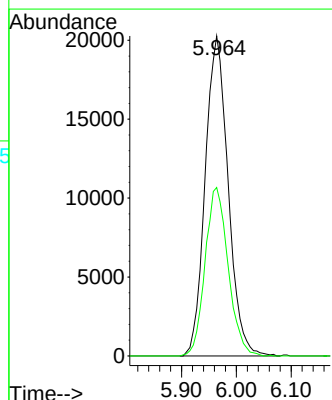
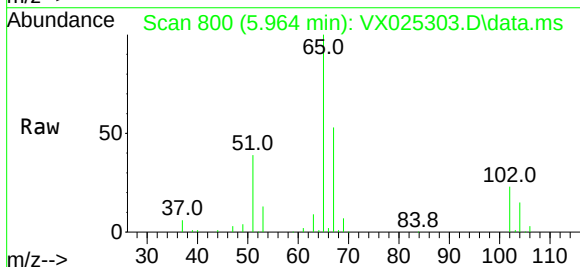
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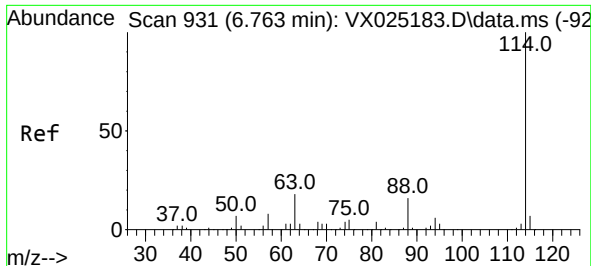
Tgt Ion: 56 Resp: 1860
Ion Ratio Lower Upper
56 100
69 153.4 24.2 36.2#
84 152.0 71.5 107.3#



#33
1,2-Dichloroethane-d4
Concen: 56.505 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.006 min
Lab File: VX025303.D
Acq: 24 Nov 2021 02:45

Tgt Ion: 65 Resp: 58908
Ion Ratio Lower Upper
65 100
67 52.9 0.0 101.0

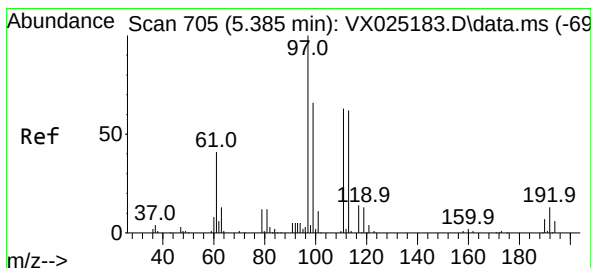
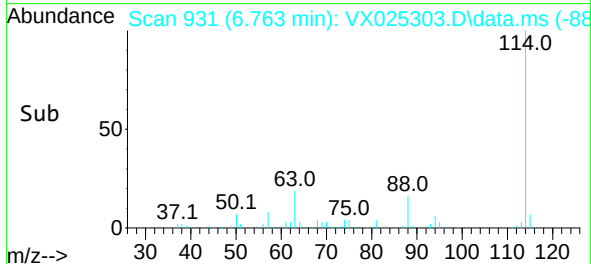
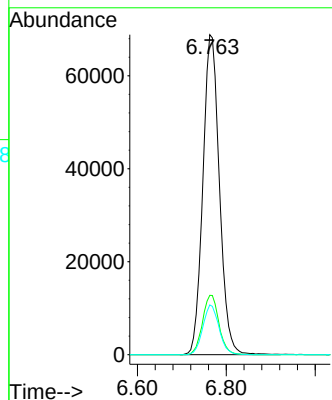
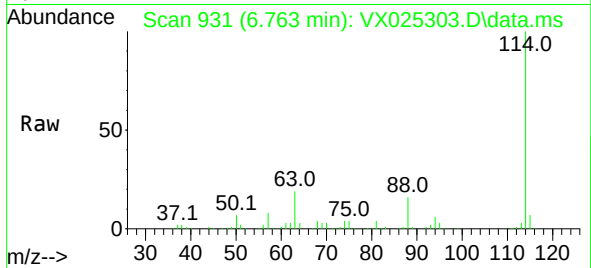




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX025303.D
Acq: 24 Nov 2021 02:45

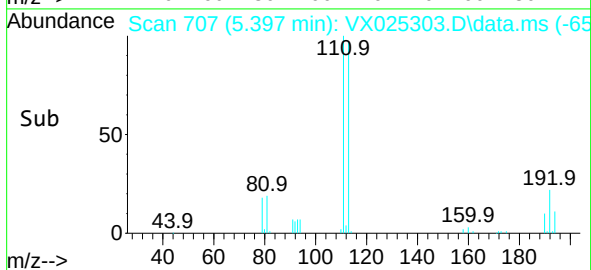
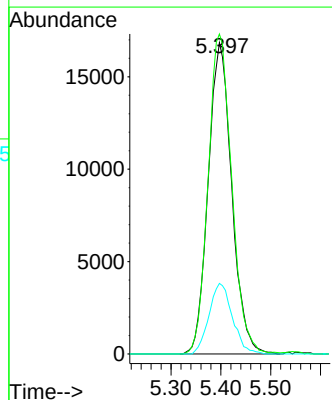
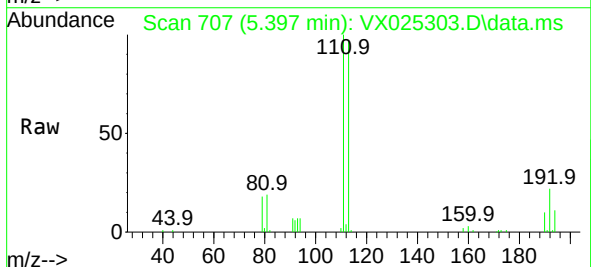
Instrument :
MSVOA_X
ClientSampleId :
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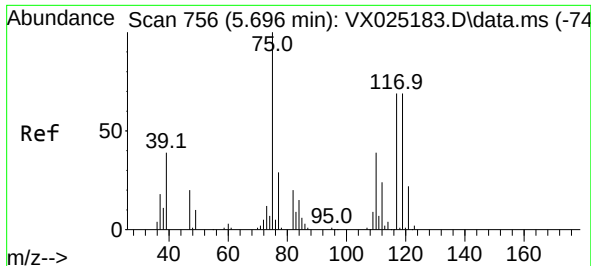
Tgt Ion:114 Resp: 178830
Ion Ratio Lower Upper
114 100
63 18.5 0.0 41.0
88 15.5 0.0 34.8



#35
Dibromofluoromethane
Concen: 50.318 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.012 min
Lab File: VX025303.D
Acq: 24 Nov 2021 02:45

Tgt Ion:113 Resp: 55211
Ion Ratio Lower Upper
113 100
111 103.3 82.1 123.1
192 22.5 15.6 23.4

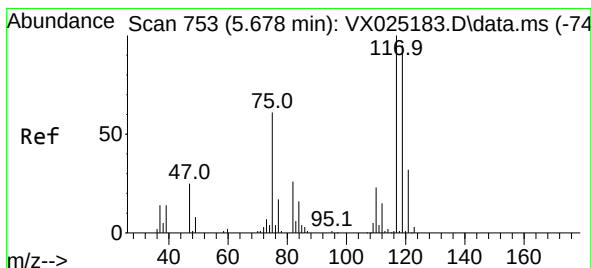
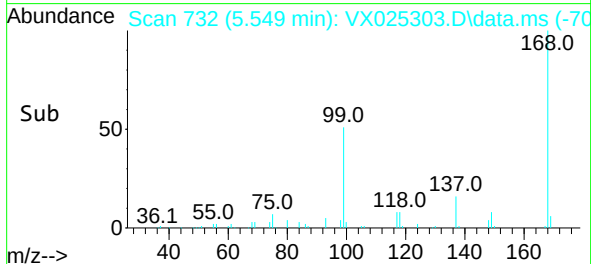
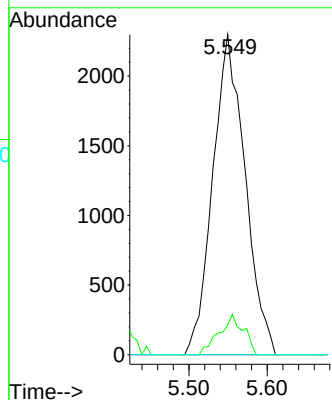
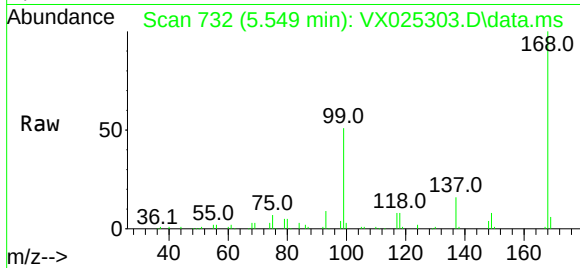




#36
 1,1-Dichloropropene
 Concen: 4.225 ug/l
 RT: 5.549 min Scan# 71
 Delta R.T. -0.147 min
 Lab File: VX025303.D
 Acq: 24 Nov 2021 02:45

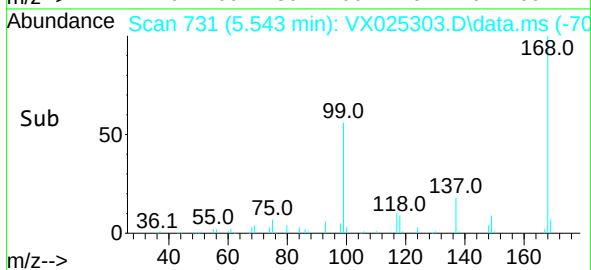
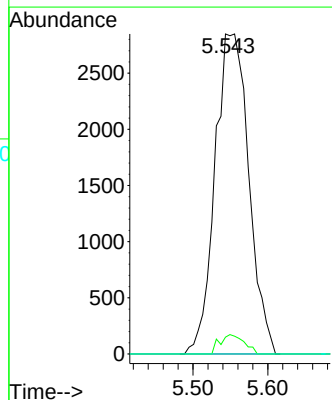
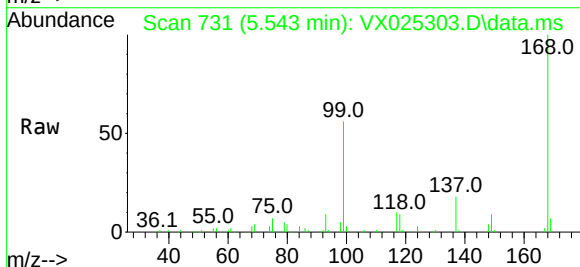
Instrument :
 MSVOA_X
 ClientSampleId :
 263

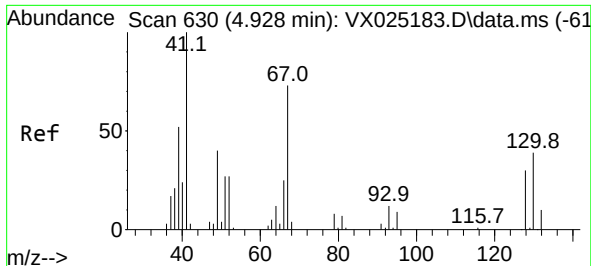
Tgt Ion: 75 Resp: 6592
 Ion Ratio Lower Upper
 75 100
 110 9.5 18.1 54.3#
 77 0.0 24.4 36.6#



#38
 Carbon Tetrachloride
 Concen: 5.225 ug/l
 RT: 5.543 min Scan# 731
 Delta R.T. -0.135 min
 Lab File: VX025303.D
 Acq: 24 Nov 2021 02:45

Tgt Ion: 117 Resp: 8979
 Ion Ratio Lower Upper
 117 100
 119 5.3 75.6 113.4#
 121 0.0 23.7 35.5#

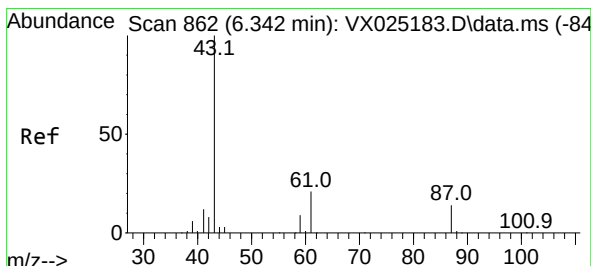
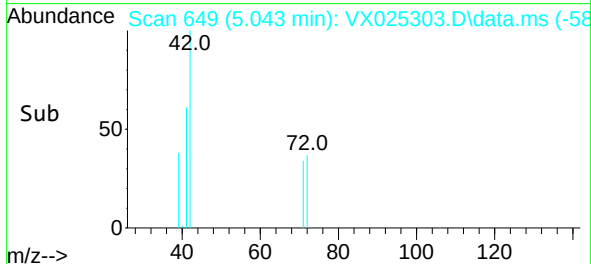
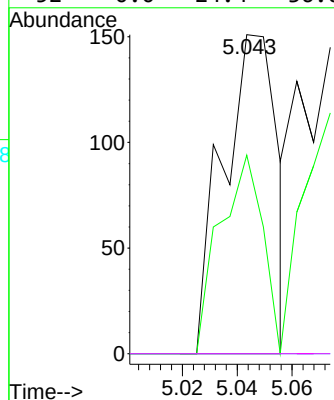
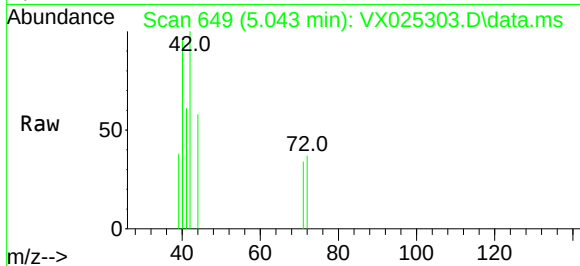




#41
Methacrylonitrile
Concen: 0.212 ug/l
RT: 5.043 min Scan# 649
Delta R.T. 0.115 min
Lab File: VX025303.D
Acq: 24 Nov 2021 02:45

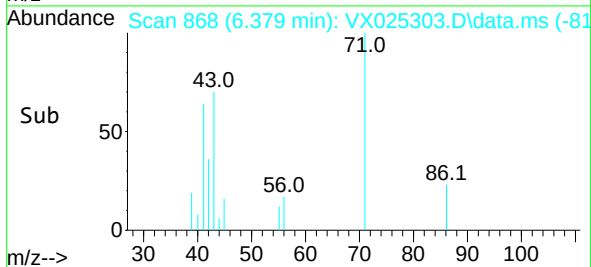
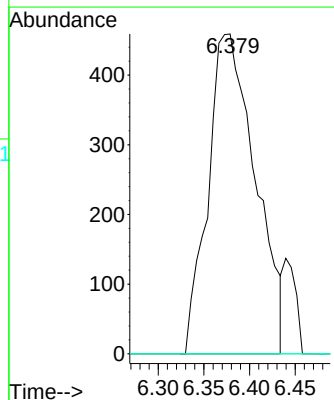
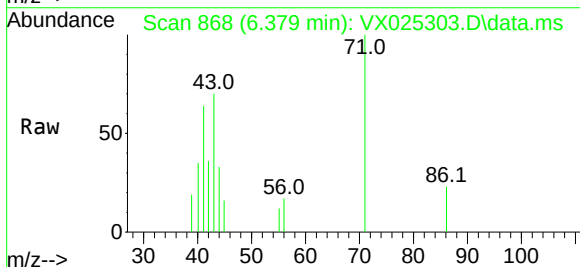
Instrument :
MSVOA_X
ClientSampleId :
263

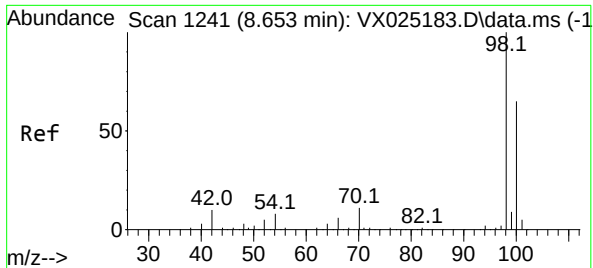
Tgt Ion:	41	Resp:	209
Ion	Ratio	Lower	Upper
41	100		
39	48.8	44.6	67.0
67	0.0	56.7	85.1#
52	0.0	24.4	36.6#



#43
Isopropyl Acetate
Concen: 0.561 ug/l
RT: 6.379 min Scan# 868
Delta R.T. 0.037 min
Lab File: VX025303.D
Acq: 24 Nov 2021 02:45

Tgt Ion:	43	Resp:	1656
Ion	Ratio	Lower	Upper
43	100		
61	0.0	15.3	22.9#
87	0.0	10.9	16.3#

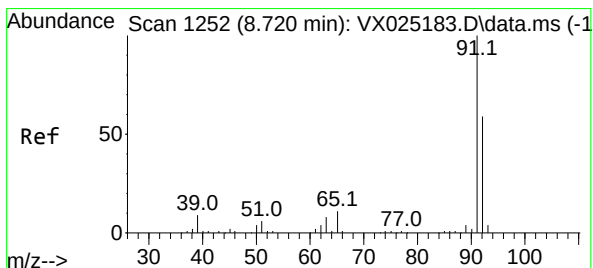
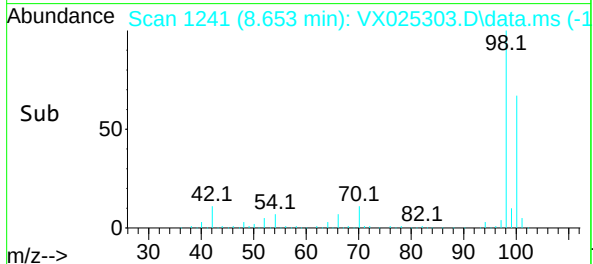
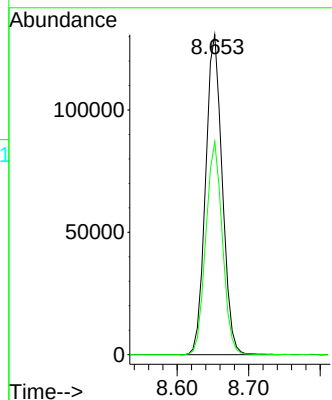
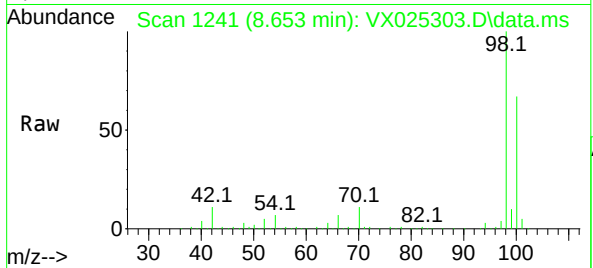




#50
Toluene-d8
Concen: 51.291 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX025303.D
Acq: 24 Nov 2021 02:45

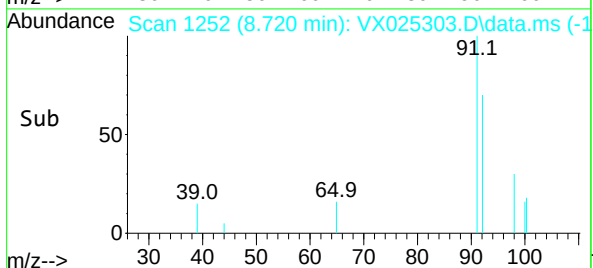
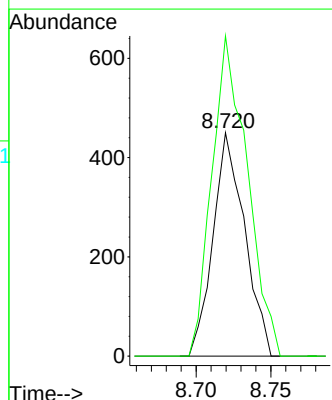
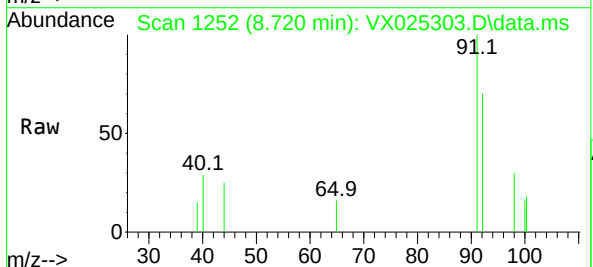
Instrument :
MSVOA_X
ClientSampleId :
263

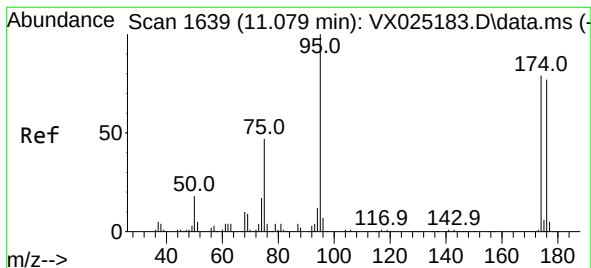
Tgt Ion: 98 Resp: 211599
Ion Ratio Lower Upper
98 100
100 65.9 51.4 77.0



#52
Toluene
Concen: 0.214 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX025303.D
Acq: 24 Nov 2021 02:45

Tgt Ion: 92 Resp: 661
Ion Ratio Lower Upper
92 100
91 160.8 138.6 208.0

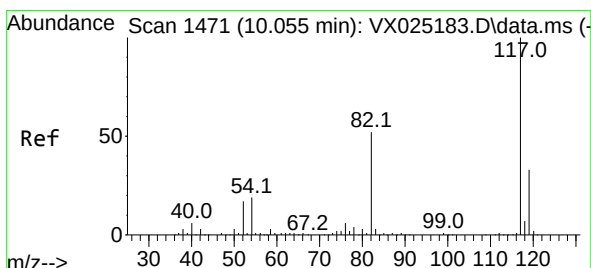
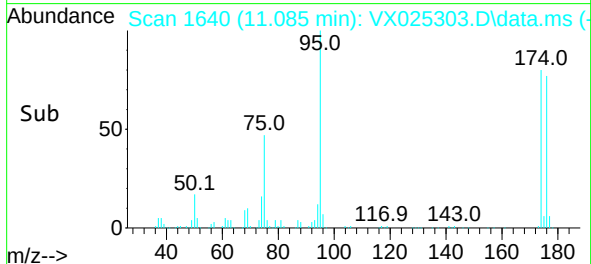
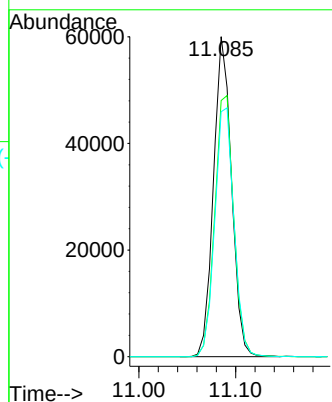
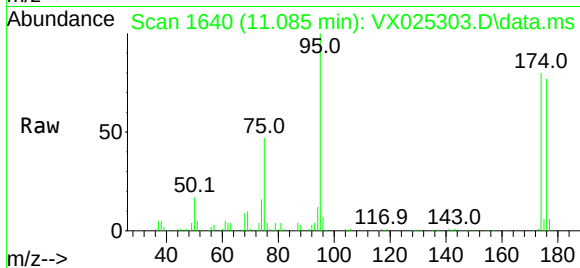




#62
4-Bromofluorobenzene
Concen: 49.706 ug/l
RT: 11.085 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX025303.D
Acq: 24 Nov 2021 02:45

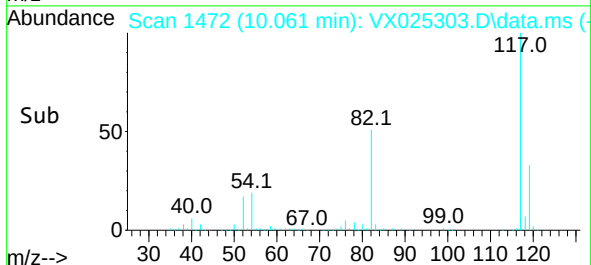
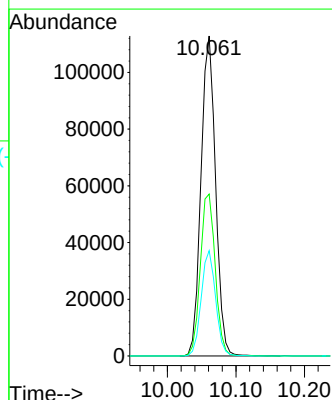
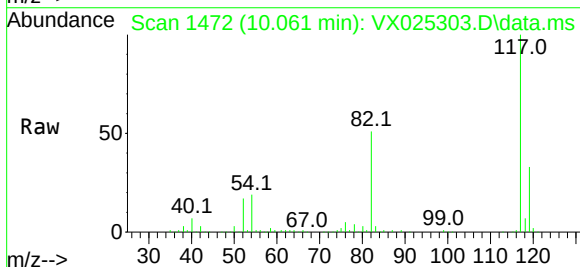
Instrument :
MSVOA_X
ClientSampleId :
263

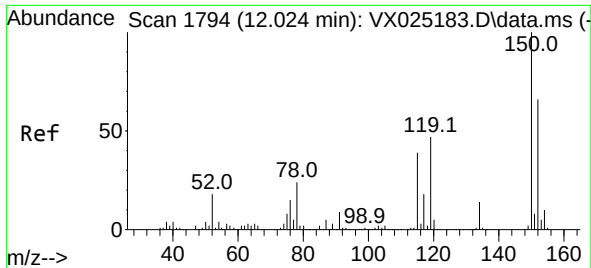
Tgt Ion: 95 Resp: 77577
Ion Ratio Lower Upper
95 100
174 86.0 0.0 158.0
176 82.8 0.0 153.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.006 min
Lab File: VX025303.D
Acq: 24 Nov 2021 02:45

Tgt Ion: 117 Resp: 167367
Ion Ratio Lower Upper
117 100
82 50.6 44.6 67.0
119 32.9 24.8 37.2

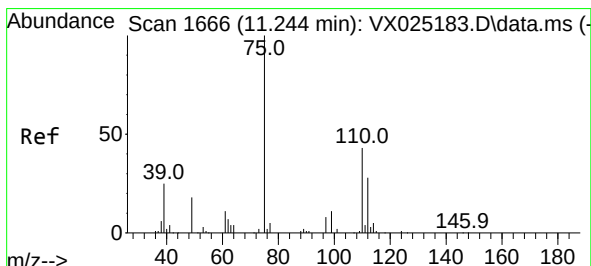
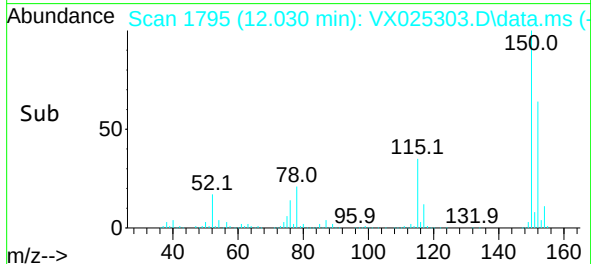
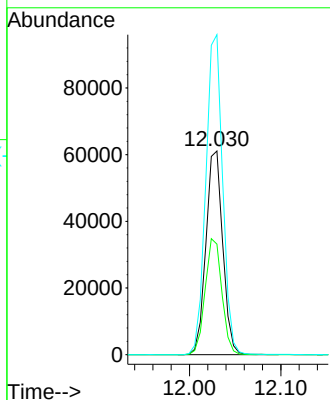
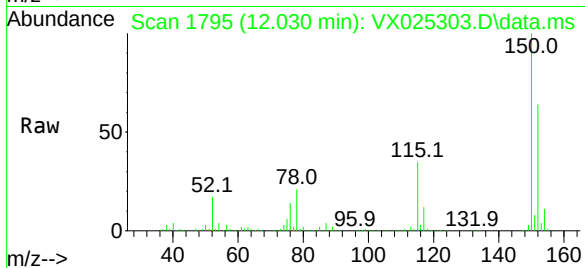




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.030 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX025303.D
Acq: 24 Nov 2021 02:45

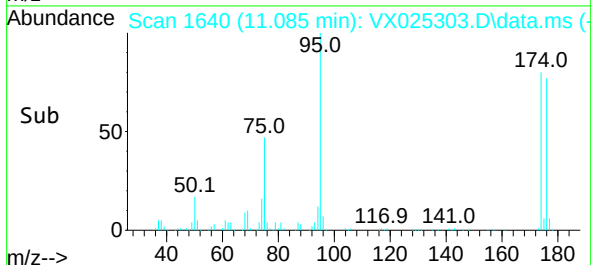
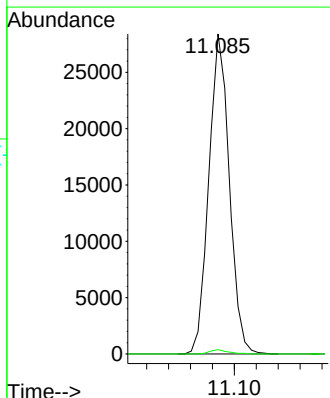
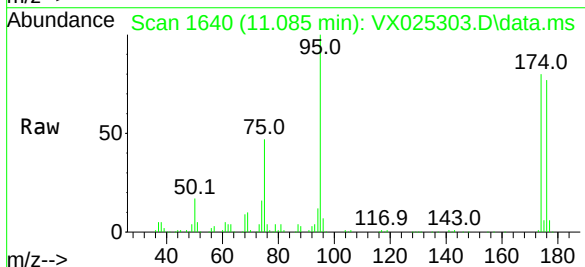
Instrument :
MSVOA_X
ClientSampleId :
263

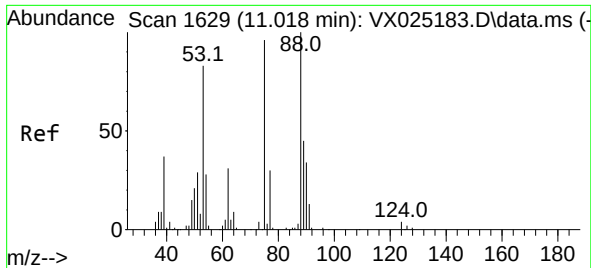
Tgt Ion:152 Resp: 78322
Ion Ratio Lower Upper
152 100
115 56.6 43.3 129.8
150 156.9 0.0 351.2



#76
1,2,3-Trichloropropane
Concen: 23.018 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX025303.D
Acq: 24 Nov 2021 02:45

Tgt Ion: 75 Resp: 36918
Ion Ratio Lower Upper
75 100
77 1.2 20.0 59.9#

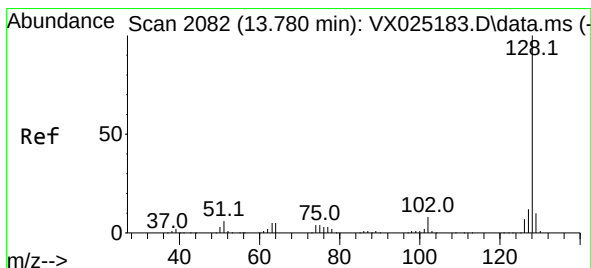
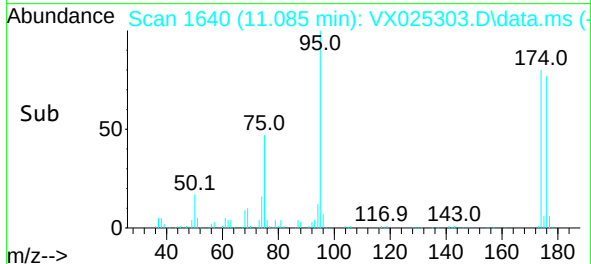
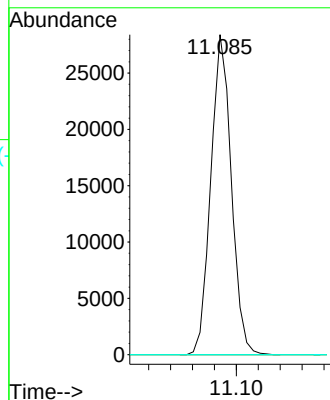
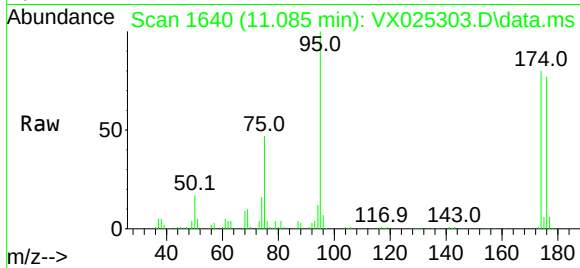




#81
trans-1,4-Dichloro-2-butene
Concen: 57.986 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.067 min
Lab File: VX025303.D
Acq: 24 Nov 2021 02:45

Instrument :
MSVOA_X
ClientSampleId :
263

Tgt Ion: 75 Resp: 36918
Ion Ratio Lower Upper
75 100
53 0.0 81.9 122.9#
89 0.0 38.2 57.2#



#95
Naphthalene
Concen: Below Cal
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX025303.D
Acq: 24 Nov 2021 02:45

Tgt Ion:128 Resp: 368
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

