

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120121\
 Data File : VX025407.D
 Acq On : 01 Dec 2021 12:51
 Operator : JC/MD
 Sample : M4866-14
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 40469

Quant Time: Dec 02 08:27:09 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)

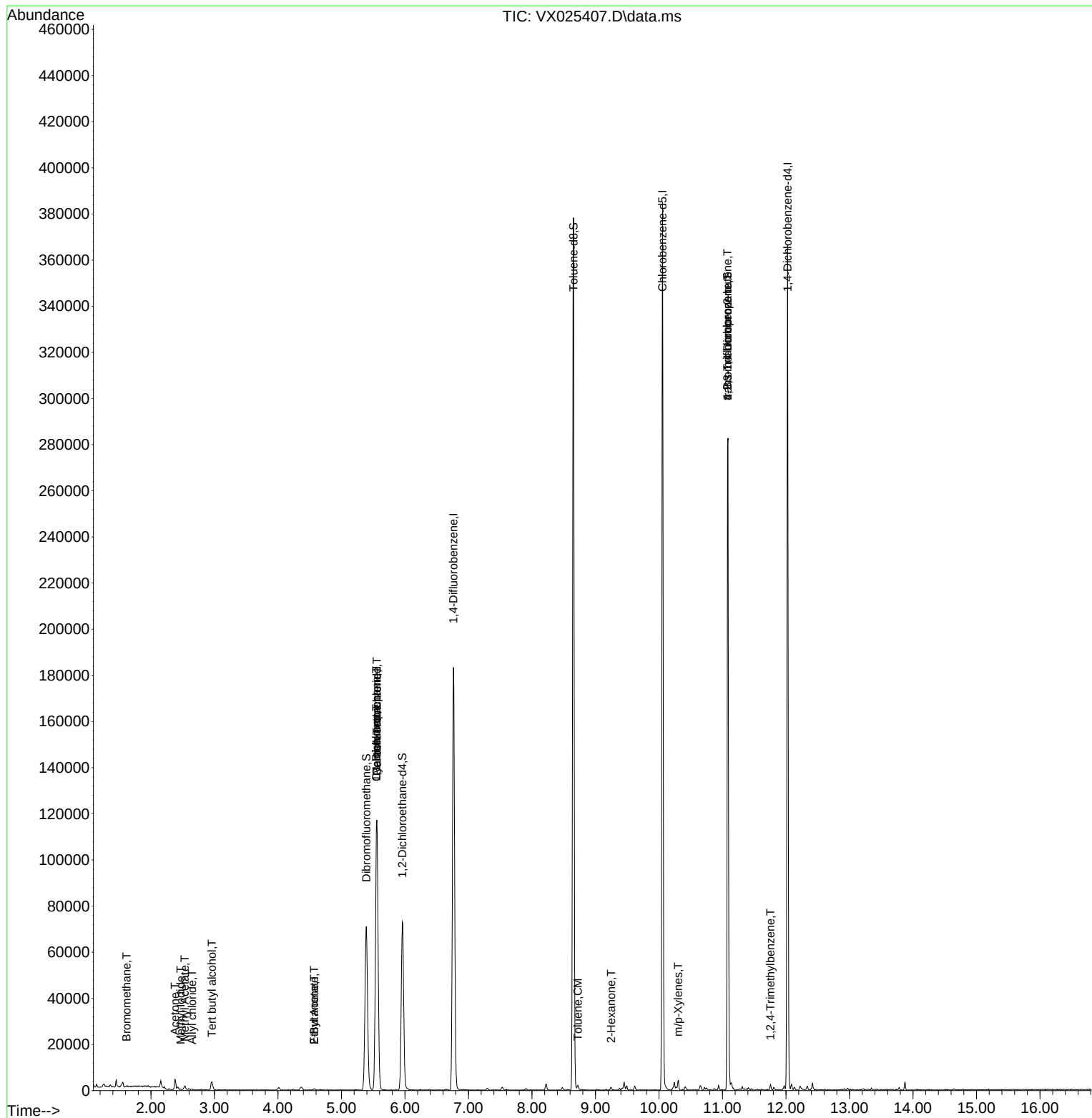
Internal Standards						
1) Pentafluorobenzene	5.556	168	120718	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	197241	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	175894	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	78545	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	68390	53.747	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 107.500%	
35) Dibromofluoromethane	5.391	113	60642	50.109	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.220%	
50) Toluene-d8	8.653	98	227293	49.952	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 99.900%	
62) 4-Bromofluorobenzene	11.079	95	78175	45.414	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 90.820%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.618	94	162	0.265	ug/l #	63
10) Methyl Iodide	2.465	142	293	0.209	ug/l #	81
11) Tert butyl alcohol	2.959	59	4456	5.409	ug/l	97
14) Allyl chloride	2.648	41	448	0.221	ug/l #	34
16) Acetone	2.380	43	4761	6.734	ug/l	93
18) Methyl Acetate	2.532	43	492	0.218	ug/l #	52
25) 2-Butanone	4.568	43	722	0.706	ug/l #	87
31) Cyclohexane	5.550	56	2206	1.122	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	7860	4.567	ug/l #	50
37) Ethyl Acetate	4.568	43	722	0.369	ug/l #	68
38) Carbon Tetrachloride	5.556	117	11414	6.022	ug/l #	16
52) Toluene	8.720	92	744	0.219	ug/l	99
59) 2-Hexanone	9.244	43	787	0.489	ug/l	74
68) m/p-Xylenes	10.299	106	1070	0.423	ug/l	96
76) 1,2,3-Trichloropropane	11.079	75	37796	23.499	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	37796	59.197	ug/l #	9
84) 1,2,4-Trimethylbenzene	11.756	105	1151	0.247	ug/l	93
95) Naphthalene	13.780	128	890	Below Cal	#	89

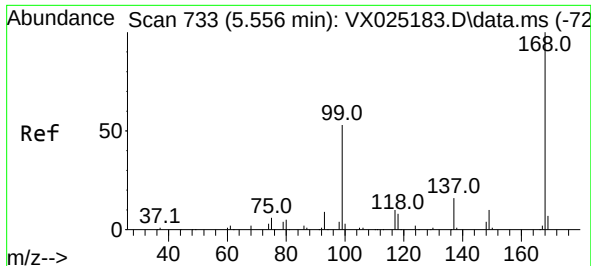
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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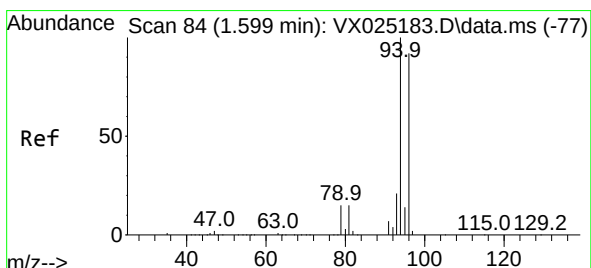
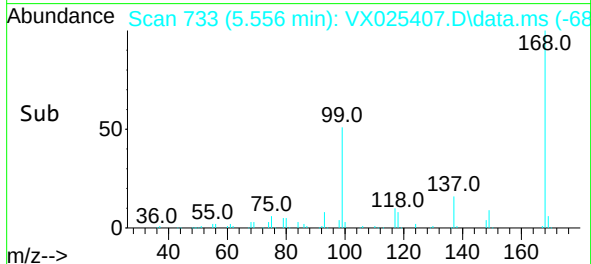
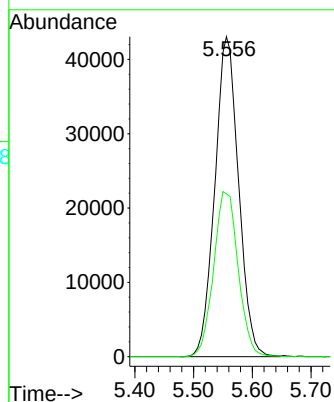
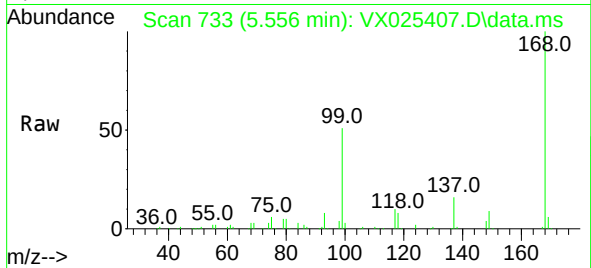




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX025407.D
Acq: 01 Dec 2021 12:51

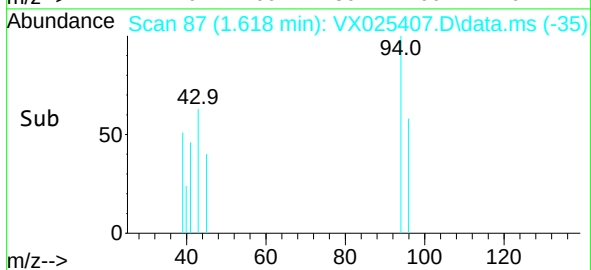
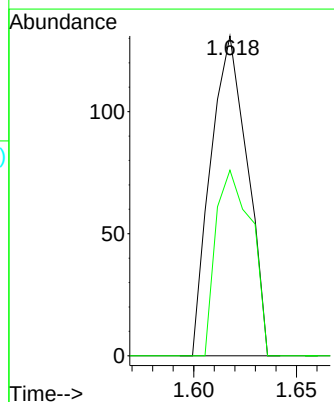
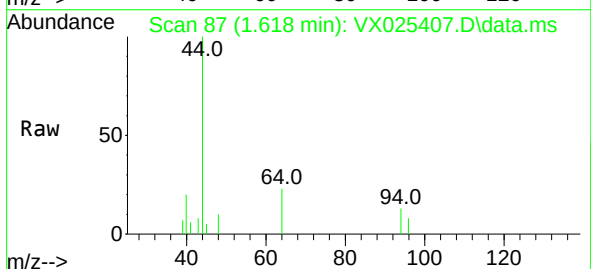
Instrument :
MSVOA_X
ClientSampleId :
40469

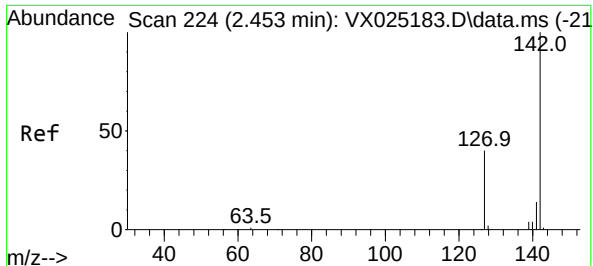
Tgt Ion:168 Resp: 120718
Ion Ratio Lower Upper
168 100
99 50.9 46.4 69.6



#5
Bromomethane
Concen: 0.265 ug/l
RT: 1.618 min Scan# 87
Delta R.T. 0.019 min
Lab File: VX025407.D
Acq: 01 Dec 2021 12:51

Tgt Ion: 94 Resp: 162
Ion Ratio Lower Upper
94 100
96 58.0 74.8 112.2#

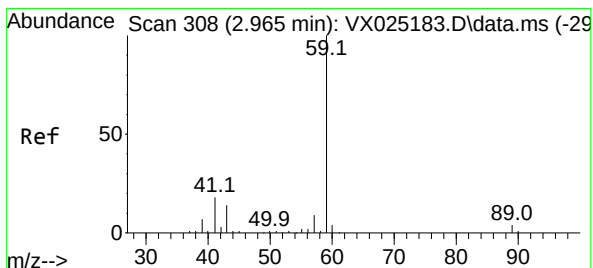
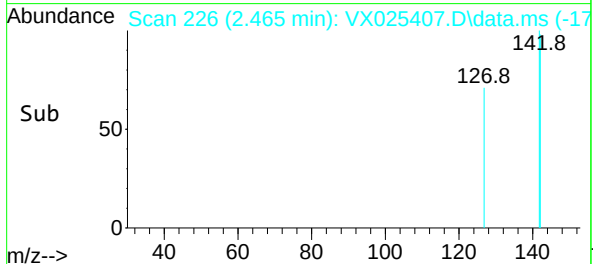
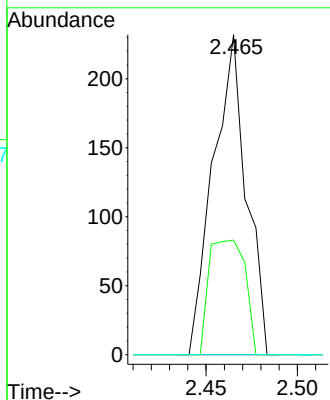
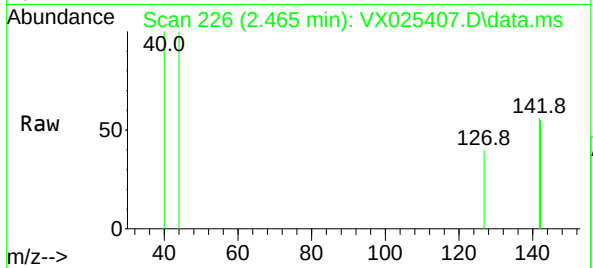




#10
Methyl Iodide
Concen: 0.209 ug/l
RT: 2.465 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX025407.D
Acq: 01 Dec 2021 12:51

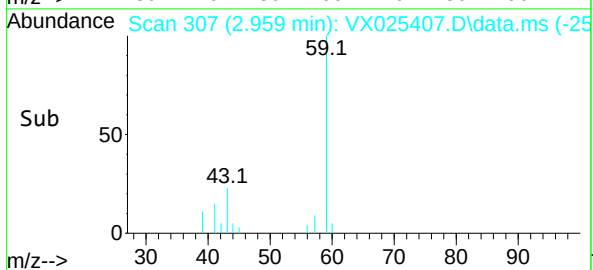
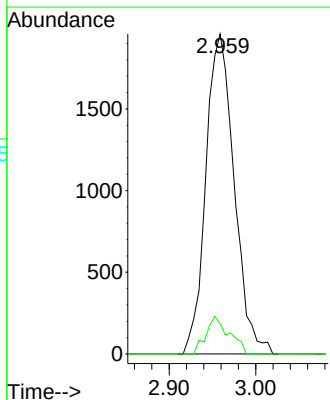
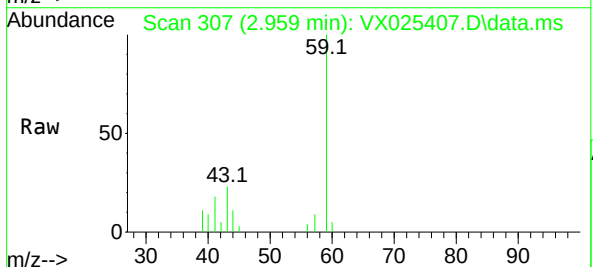
Instrument :
MSVOA_X
ClientSampleId :
40469

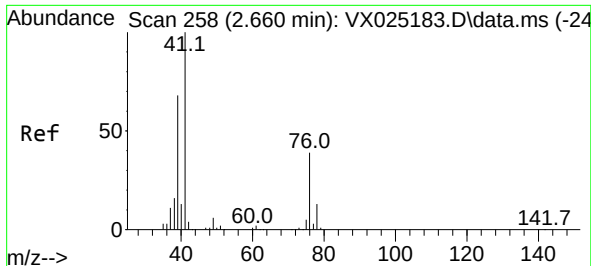
Tgt Ion:142 Resp: 293
Ion Ratio Lower Upper
142 100
127 38.9 38.9 58.3
141 0.0 11.7 17.5#



#11
Tert butyl alcohol
Concen: 5.409 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.006 min
Lab File: VX025407.D
Acq: 01 Dec 2021 12:51

Tgt Ion: 59 Resp: 4456
Ion Ratio Lower Upper
59 100
57 9.5 8.5 12.7

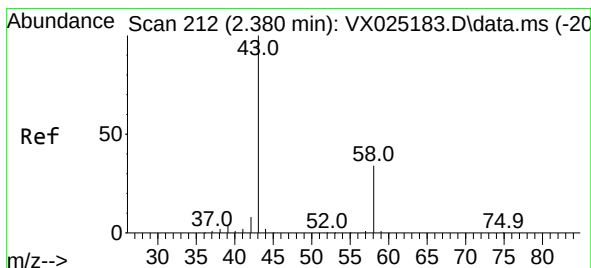
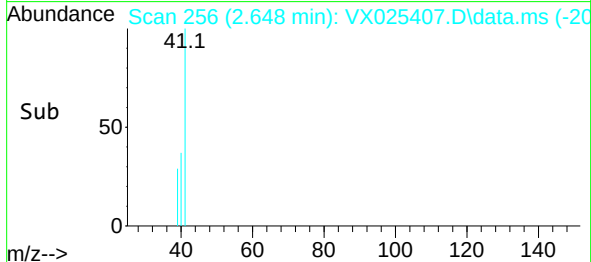
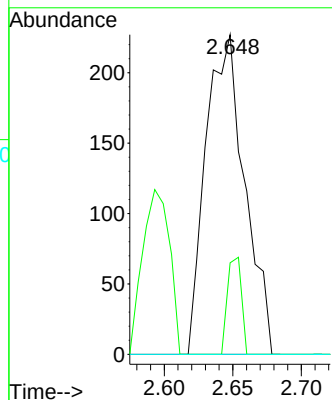
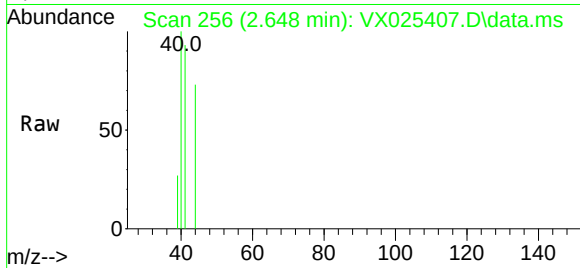




#14
 Allyl chloride
 Concen: 0.221 ug/l
 RT: 2.648 min Scan# 214
 Delta R.T. -0.012 min
 Lab File: VX025407.D
 Acq: 01 Dec 2021 12:51

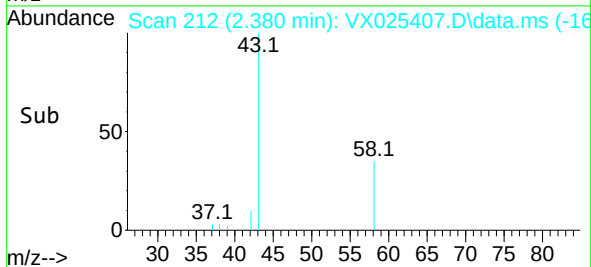
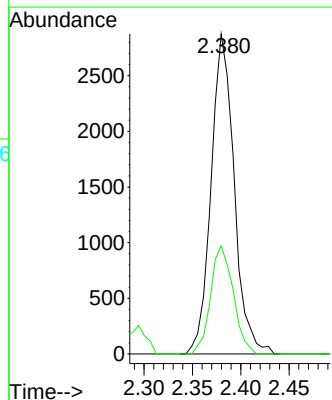
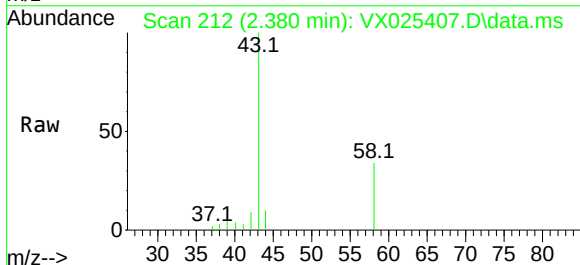
Instrument :
 MSVOA_X
 ClientSampleId :
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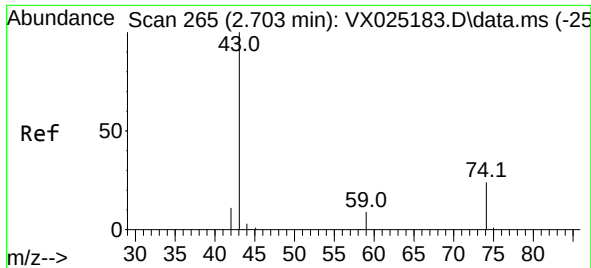
Tgt Ion: 41 Resp: 448
 Ion Ratio Lower Upper
 41 100
 39 10.9 54.6 82.0#
 76 0.0 25.3 37.9#



#16
 Acetone
 Concen: 6.734 ug/l
 RT: 2.380 min Scan# 212
 Delta R.T. -0.000 min
 Lab File: VX025407.D
 Acq: 01 Dec 2021 12:51

Tgt Ion: 43 Resp: 4761
 Ion Ratio Lower Upper
 43 100
 58 33.7 24.0 36.0

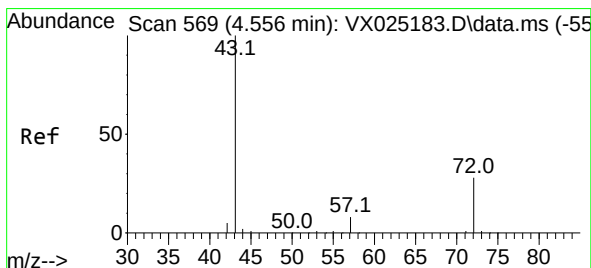
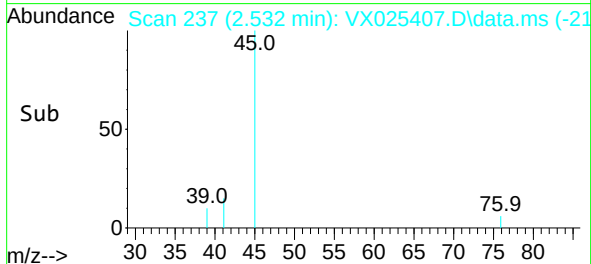
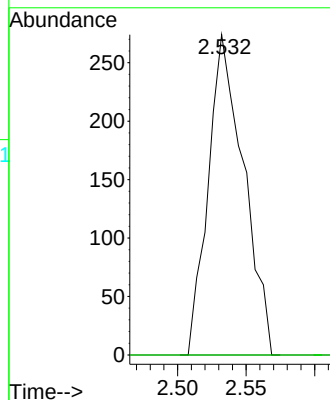
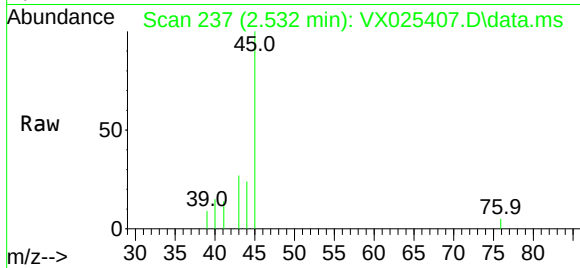




#18
Methyl Acetate
Concen: 0.218 ug/l
RT: 2.532 min Scan# 21
Delta R.T. -0.171 min
Lab File: VX025407.D
Acq: 01 Dec 2021 12:51

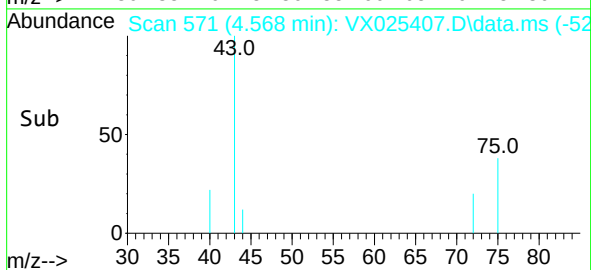
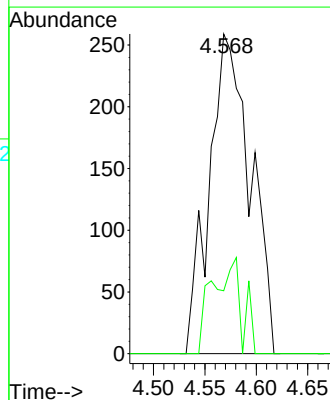
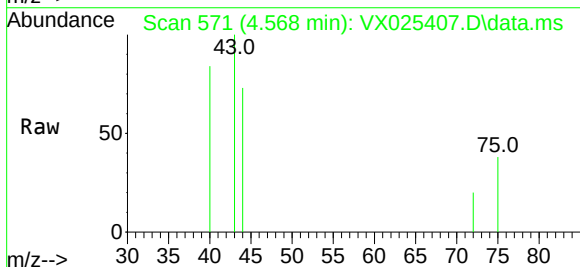
Instrument :
MSVOA_X
ClientSampleId :
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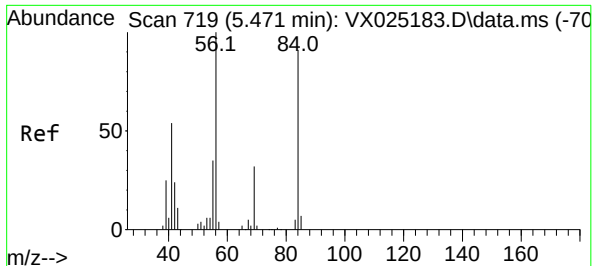
Tgt Ion: 43 Resp: 492
Ion Ratio Lower Upper
43 100
74 0.0 19.0 28.6#



#25
2-Butanone
Concen: 0.706 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.012 min
Lab File: VX025407.D
Acq: 01 Dec 2021 12:51

Tgt Ion: 43 Resp: 722
Ion Ratio Lower Upper
43 100
72 19.7 21.2 31.8#

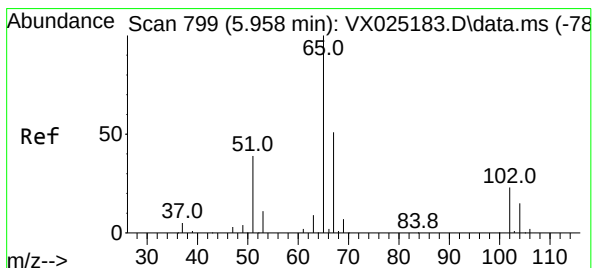
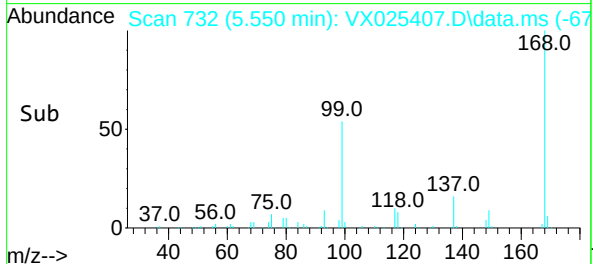
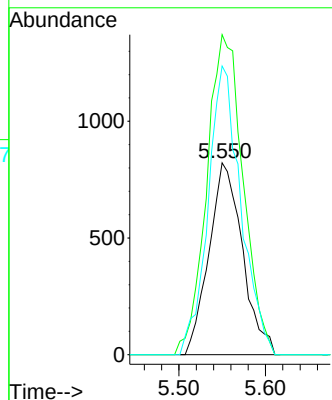
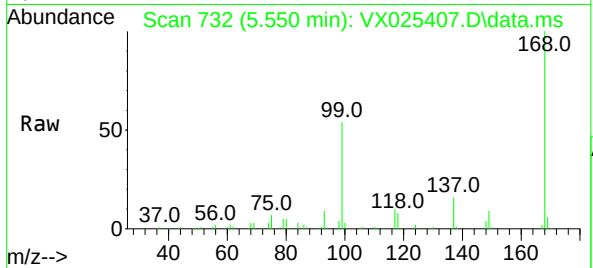




#31
Cyclohexane
Concen: 1.122 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX025407.D
Acq: 01 Dec 2021 12:51

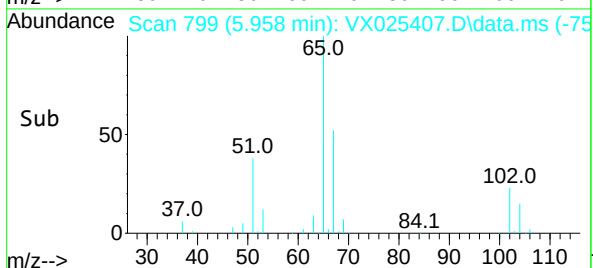
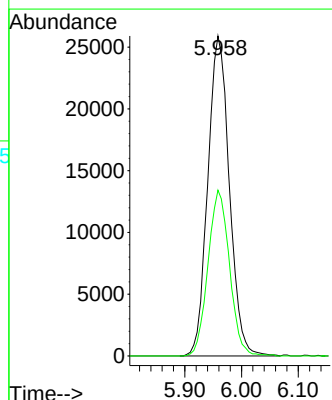
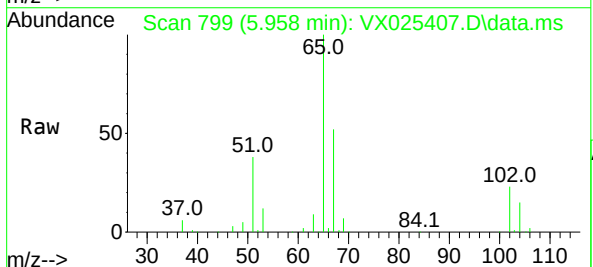
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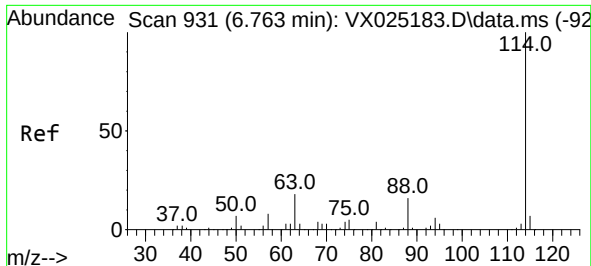
Tgt Ion: 56 Resp: 2206
Ion Ratio Lower Upper
56 100
69 166.8 24.2 36.2#
84 150.5 71.5 107.3#



#33
1,2-Dichloroethane-d4
Concen: 53.747 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX025407.D
Acq: 01 Dec 2021 12:51

Tgt Ion: 65 Resp: 68390
Ion Ratio Lower Upper
65 100
67 51.7 0.0 101.0

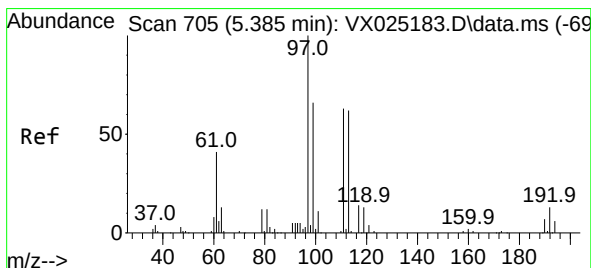
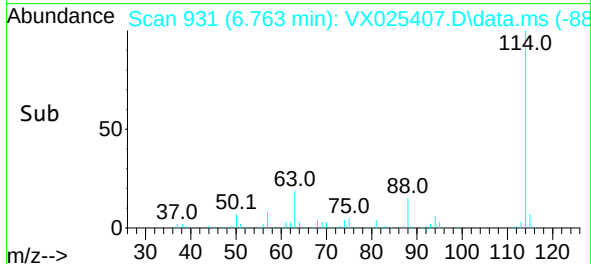
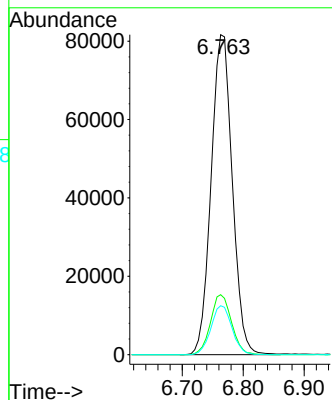
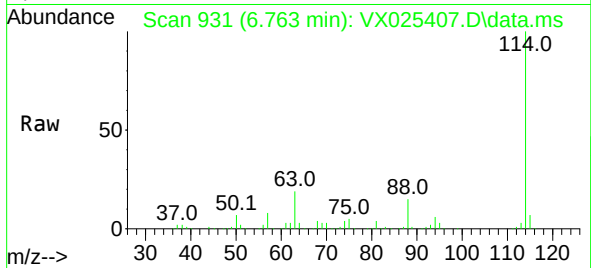




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX025407.D
Acq: 01 Dec 2021 12:51

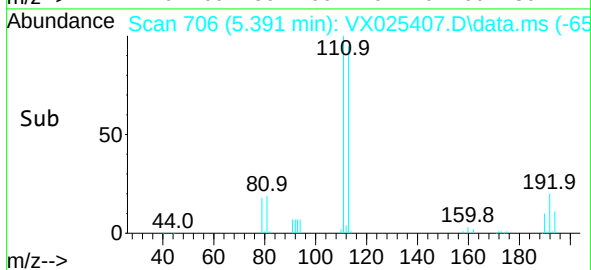
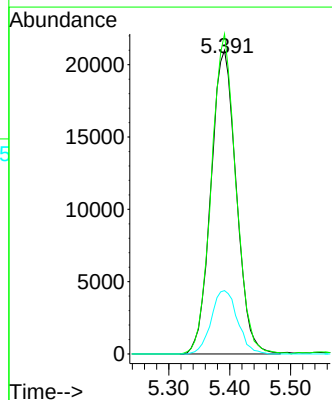
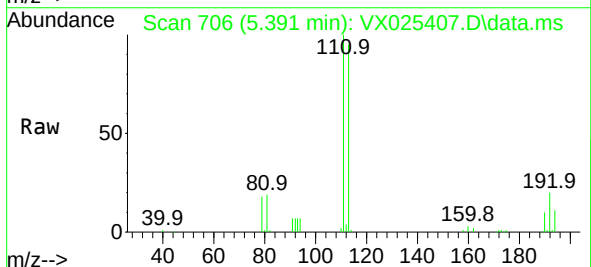
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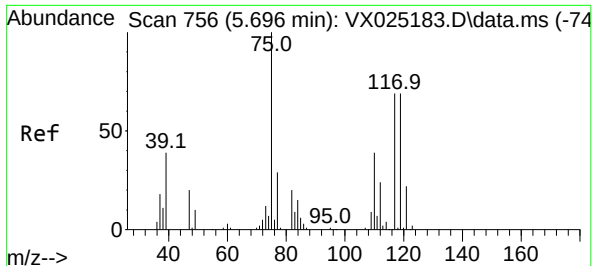
Tgt Ion:114 Resp: 197241
Ion Ratio Lower Upper
114 100
63 18.8 0.0 41.0
88 15.3 0.0 34.8



#35
Dibromofluoromethane
Concen: 50.109 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX025407.D
Acq: 01 Dec 2021 12:51

Tgt Ion:113 Resp: 60642
Ion Ratio Lower Upper
113 100
111 102.2 82.1 123.1
192 21.6 15.6 23.4

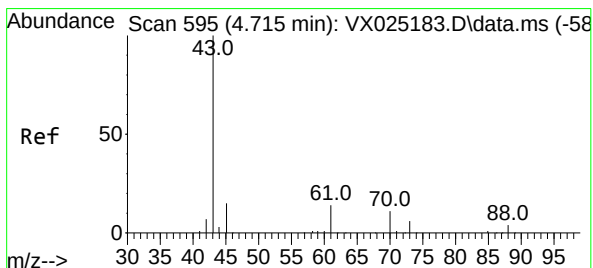
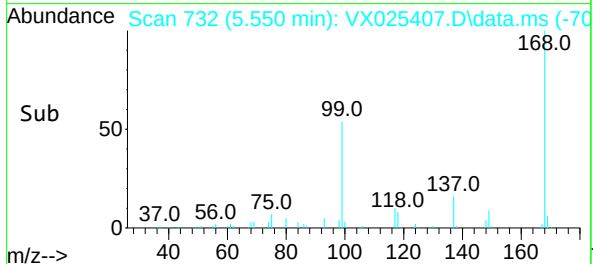
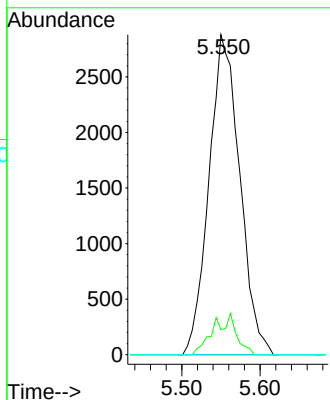
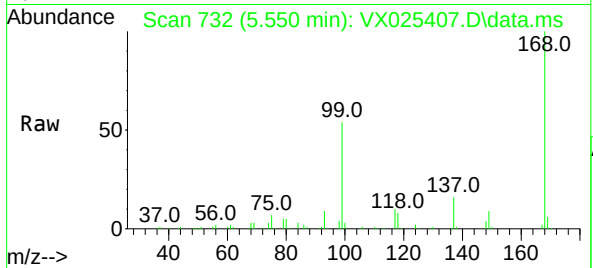




#36
1,1-Dichloropropene
Concen: 4.567 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX025407.D
Acq: 01 Dec 2021 12:51

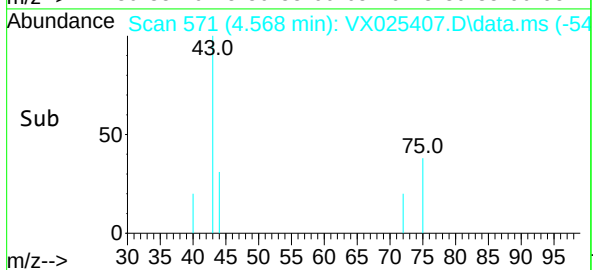
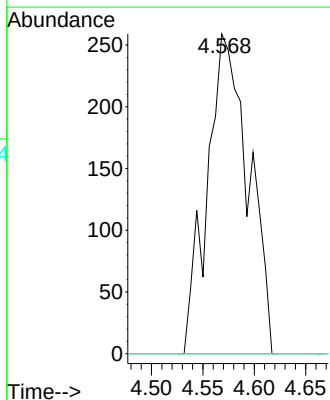
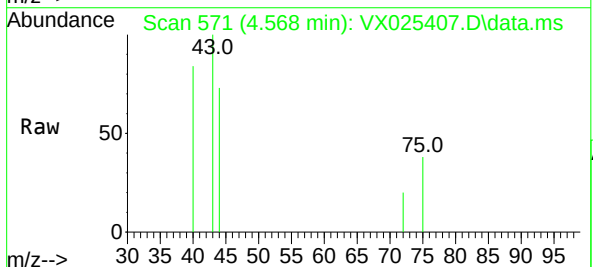
Instrument :
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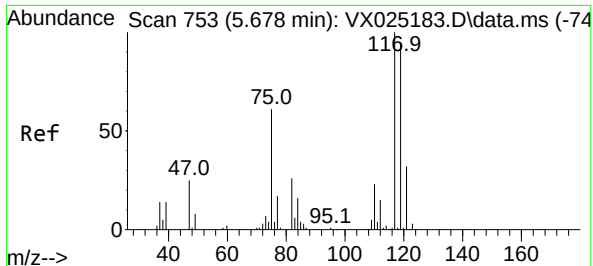
Tgt Ion: 75 Resp: 7860
Ion Ratio Lower Upper
75 100
110 9.6 18.1 54.3#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 0.369 ug/l
RT: 4.568 min Scan# 571
Delta R.T. -0.147 min
Lab File: VX025407.D
Acq: 01 Dec 2021 12:51

Tgt Ion: 43 Resp: 722
Ion Ratio Lower Upper
43 100
61 0.0 11.4 17.0#
70 0.0 8.6 12.8#

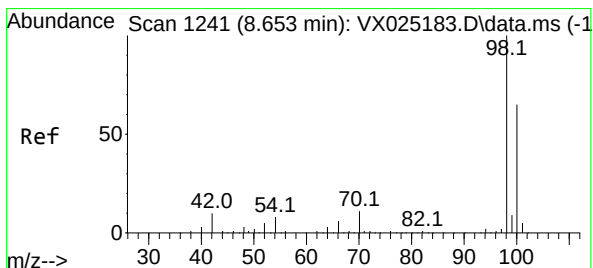
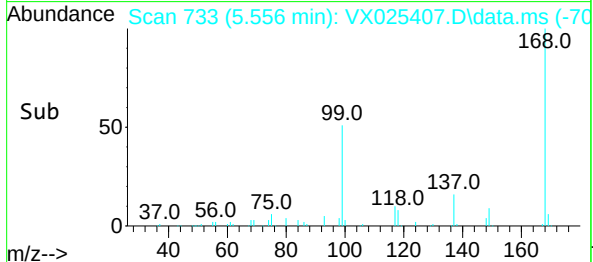
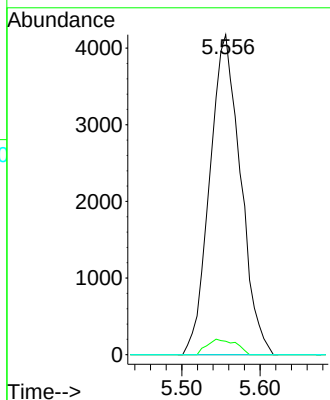
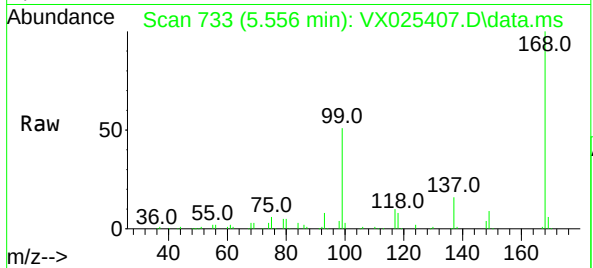




#38
Carbon Tetrachloride
Concen: 6.022 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX025407.D
Acq: 01 Dec 2021 12:51

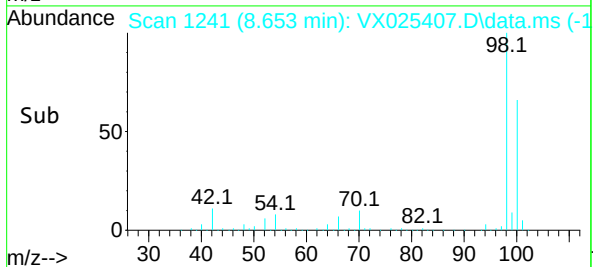
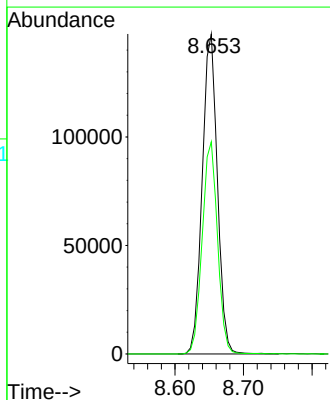
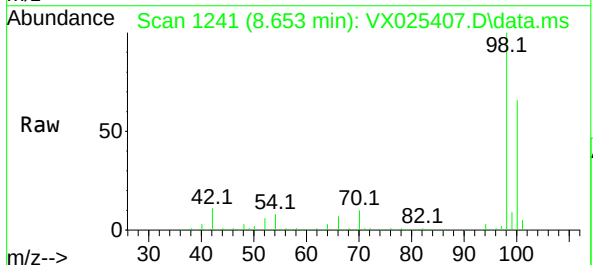
Instrument :
MSVOA_X
ClientSampleId :
40469

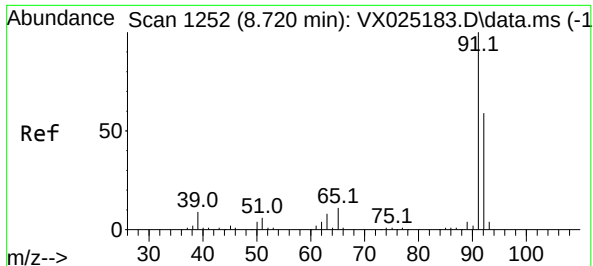
Tgt Ion:117 Resp: 11414
Ion Ratio Lower Upper
117 100
119 4.2 75.6 113.4#
121 0.0 23.7 35.5#



#50
Toluene-d8
Concen: 49.952 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX025407.D
Acq: 01 Dec 2021 12:51

Tgt Ion: 98 Resp: 227293
Ion Ratio Lower Upper
98 100
100 67.0 51.4 77.0





#52

Toluene

Concen: 0.219 ug/l

RT: 8.720 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX025407.D

Acq: 01 Dec 2021 12:51

Instrument :

MSVOA_X

ClientSampleId :

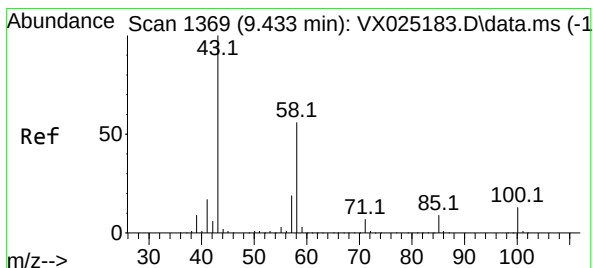
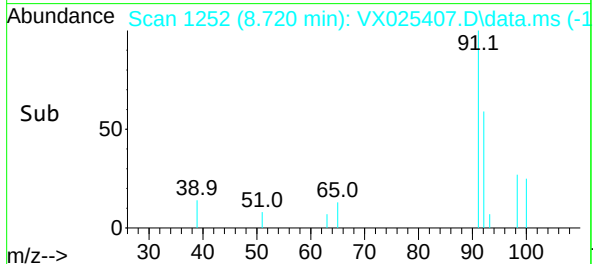
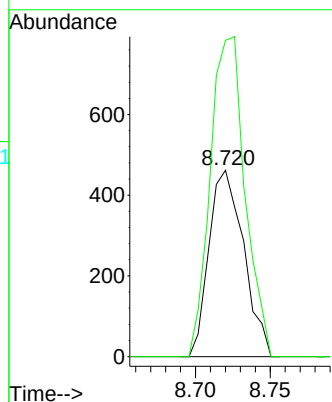
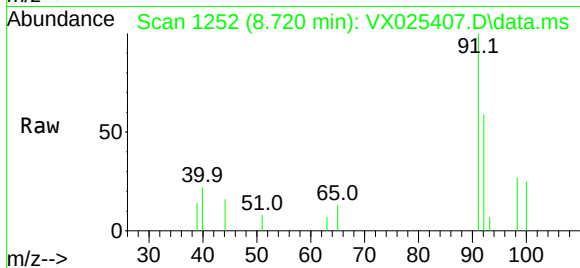
40469

Tgt Ion: 92 Resp: 744

Ion Ratio Lower Upper

92 100

91 172.6 138.6 208.0



#59

2-Hexanone

Concen: 0.489 ug/l

RT: 9.244 min Scan# 1338

Delta R.T. -0.189 min

Lab File: VX025407.D

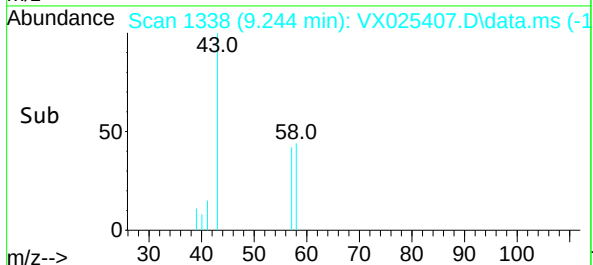
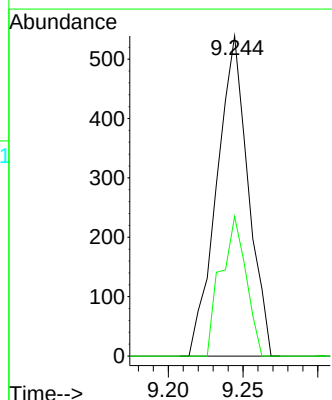
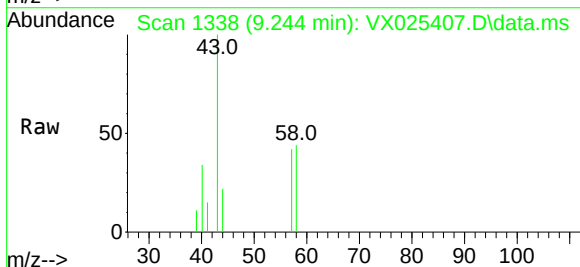
Acq: 01 Dec 2021 12:51

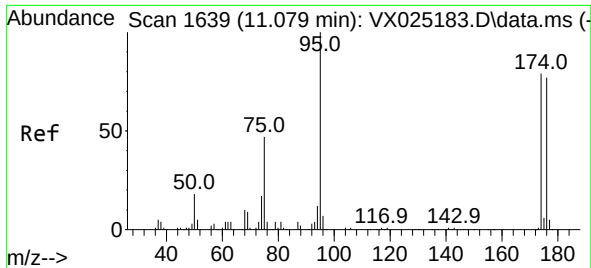
Tgt Ion: 43 Resp: 787

Ion Ratio Lower Upper

43 100

58 34.8 26.6 79.7

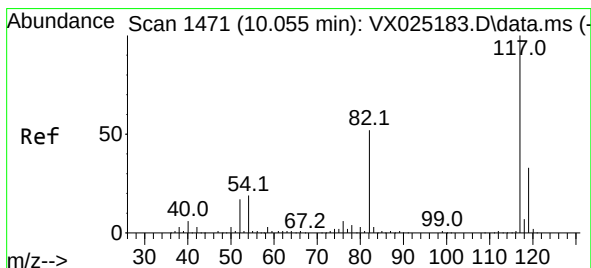
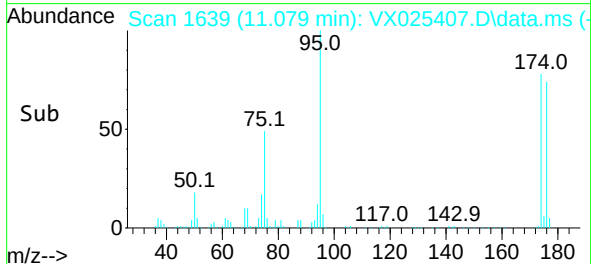
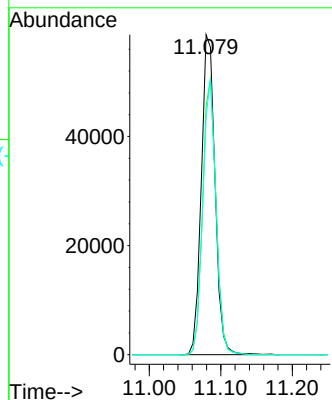
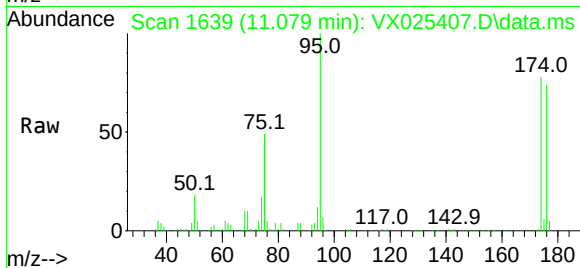




#62
4-Bromofluorobenzene
Concen: 45.414 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX025407.D
Acq: 01 Dec 2021 12:51

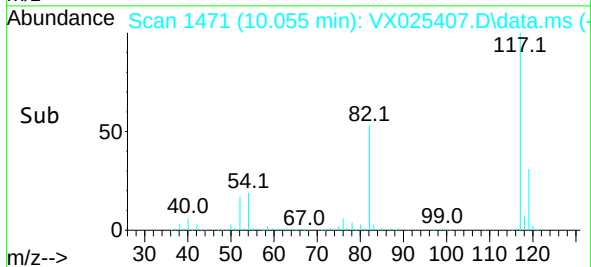
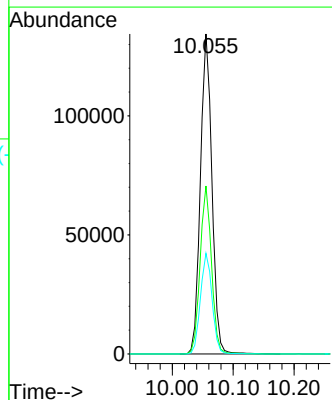
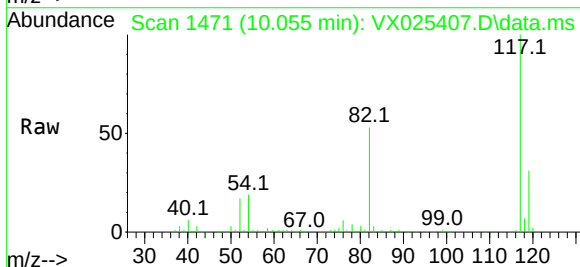
Instrument :
MSVOA_X
ClientSampleId :
40469

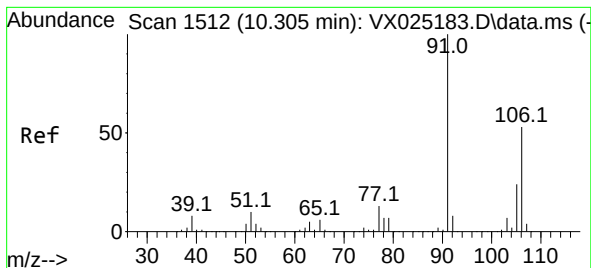
Tgt Ion: 95 Resp: 78175
Ion Ratio Lower Upper
95 100
174 84.4 0.0 158.0
176 82.6 0.0 153.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX025407.D
Acq: 01 Dec 2021 12:51

Tgt Ion: 117 Resp: 175894
Ion Ratio Lower Upper
117 100
82 52.5 44.6 67.0
119 31.5 24.8 37.2

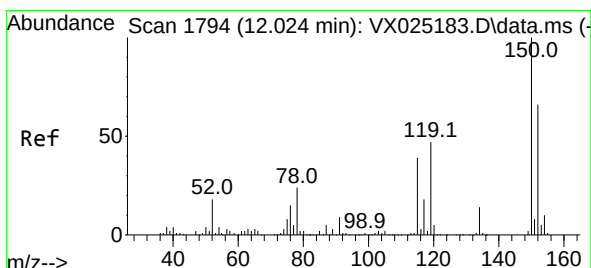
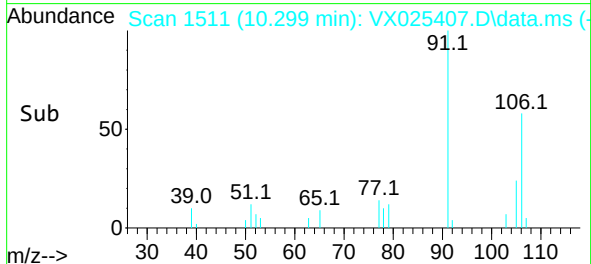
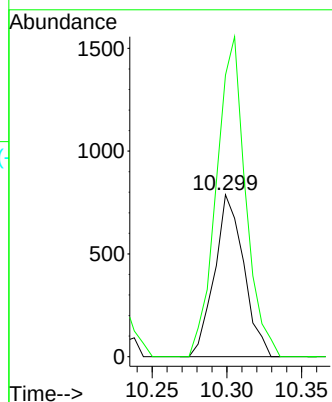
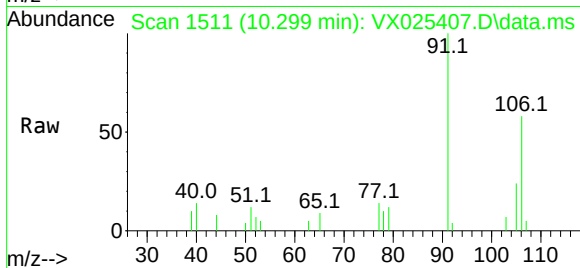




#68
m/p-Xylenes
Concen: 0.423 ug/l
RT: 10.299 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX025407.D
Acq: 01 Dec 2021 12:51

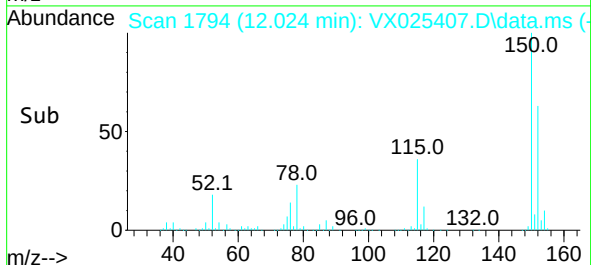
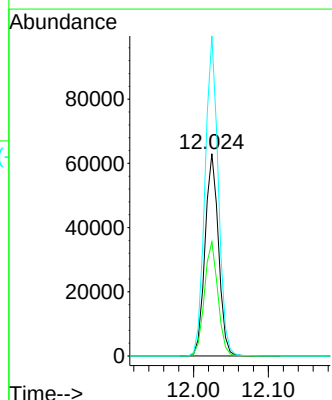
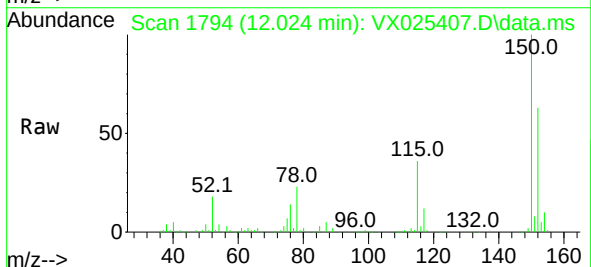
Instrument :
MSVOA_X
ClientSampleId :
40469

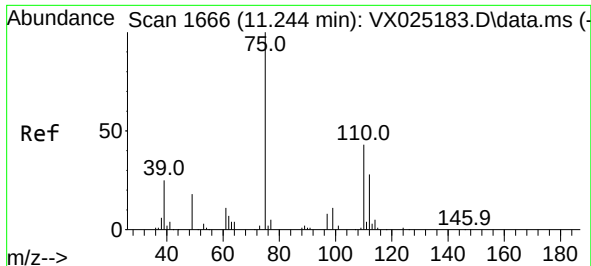
Tgt Ion:106 Resp: 1070
Ion Ratio Lower Upper
106 100
91 197.4 163.4 245.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX025407.D
Acq: 01 Dec 2021 12:51

Tgt Ion:152 Resp: 78545
Ion Ratio Lower Upper
152 100
115 56.5 43.3 129.8
150 155.9 0.0 351.2

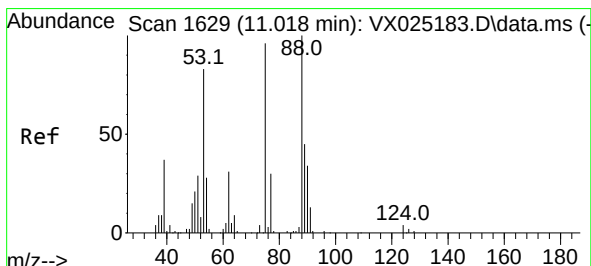
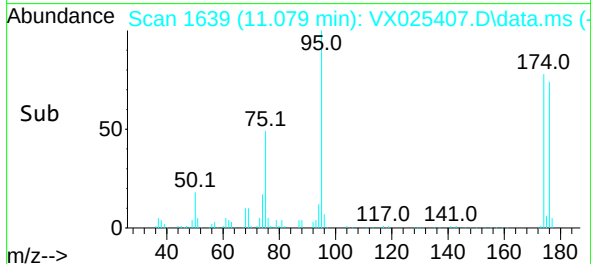
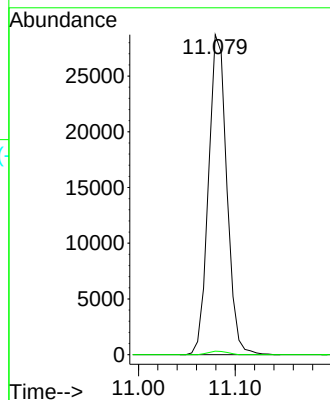
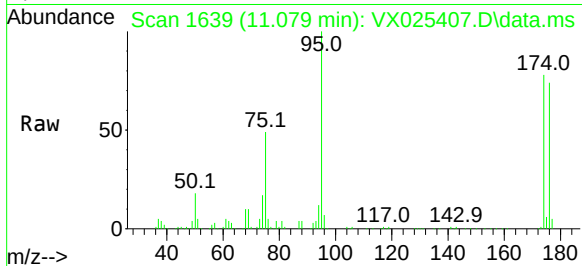




#76
1,2,3-Trichloropropane
Concen: 23.499 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX025407.D
Acq: 01 Dec 2021 12:51

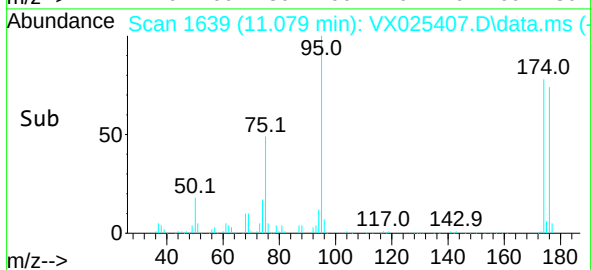
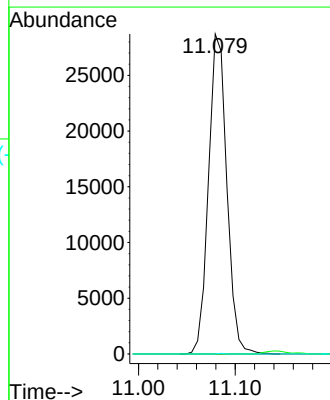
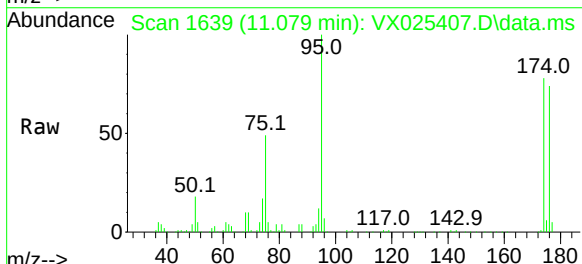
Instrument :
MSVOA_X
ClientSampleId :
40469

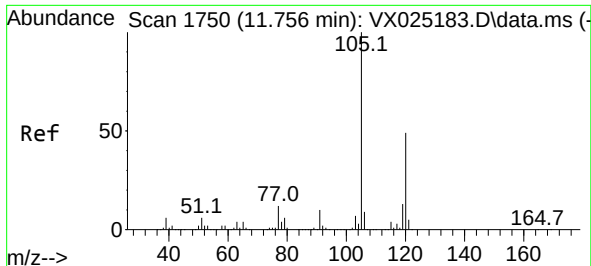
Tgt Ion: 75 Resp: 37796
Ion Ratio Lower Upper
75 100
77 1.1 20.0 59.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 59.197 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX025407.D
Acq: 01 Dec 2021 12:51

Tgt Ion: 75 Resp: 37796
Ion Ratio Lower Upper
75 100
53 0.0 81.9 122.9#
89 0.1 38.2 57.2#

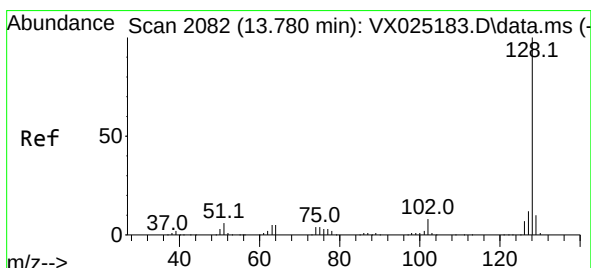
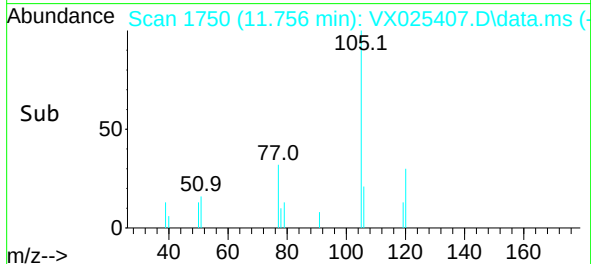
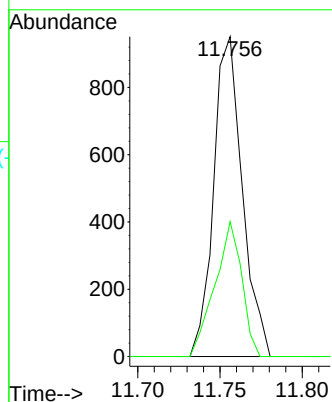
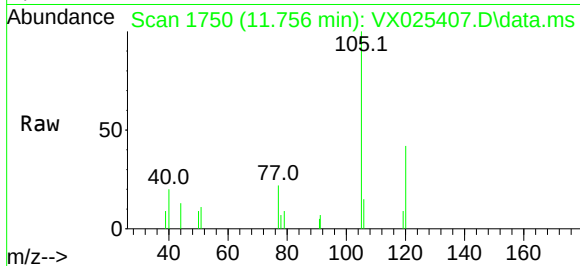




#84
1,2,4-Trimethylbenzene
Concen: 0.247 ug/l
RT: 11.756 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX025407.D
Acq: 01 Dec 2021 12:51

Instrument :
MSVOA_X
ClientSampleId :
40469

Tgt Ion:105 Resp: 1151
Ion Ratio Lower Upper
105 100
120 39.5 22.1 66.3



#95
Naphthalene
Concen: Below Cal
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX025407.D
Acq: 01 Dec 2021 12:51

Tgt Ion:128 Resp: 890
Ion Ratio Lower Upper
128 100
127 10.4 10.3 15.5
129 5.1 8.8 13.2#

