

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032123\
 Data File : VX034649.D
 Acq On : 21 Mar 2023 13:06
 Operator : JC/MD
 Sample : 02020-41
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FRAC-TANK-A821

Quant Time: Mar 22 02:02:54 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 13 10:29:32 2023
 Response via : Initial Calibration

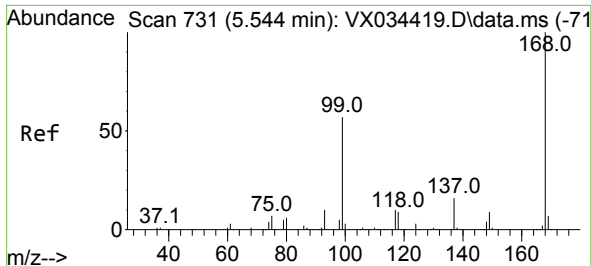
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.550	168	238552	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	400825	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	399256	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	188807	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	161985	46.676	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	93.360%		
35) Dibromofluoromethane	5.379	113	126297	47.723	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.440%		
50) Toluene-d8	8.647	98	486276	49.222	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.440%		
62) 4-Bromofluorobenzene	11.079	95	216782	54.325	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	108.640%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	222	Below Cal	#	85
5) Bromomethane	1.617	94	310	0.203	ug/l #	45
11) Tert butyl alcohol	2.946	59	474	0.656	ug/l #	73
13) Acrolein	2.221	56	376	0.658	ug/l #	66
16) Acetone	2.379	43	9966	6.096	ug/l	100
17) Carbon Disulfide	2.514	76	2391	0.325	ug/l #	94
19) Methyl tert-butyl Ether	3.111	73	2425	0.259	ug/l	92
25) 2-Butanone	4.556	43	21710	9.281	ug/l	96
30) Chloroform	5.098	83	2564	0.482	ug/l #	84
31) Cyclohexane	5.544	56	6153	1.264	ug/l #	23
36) 1,1-Dichloropropene	5.544	75	20062	4.936	ug/l #	50
37) Ethyl Acetate	4.556	43	21710	4.889	ug/l #	70
38) Carbon Tetrachloride	5.544	117	24964	6.174	ug/l #	17
47) Bromodichloromethane	7.824	83	865	0.212	ug/l #	95
60) Dibromochloromethane	9.525	129	782	0.255	ug/l	100
76) 1,2,3-Trichloropropane	11.079	75	115256	26.586	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	115256	71.923	ug/l #	8
94) Hexachlorobutadiene	13.719	225	1328	0.795	ug/l	97
95) Naphthalene	13.780	128	3164	0.228	ug/l	99

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

Quant Time: Mar 22 02:02:54 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031023W.M
Quant Title : SW846 8260
QLast Update : Mon Mar 13 10:29:32 2023
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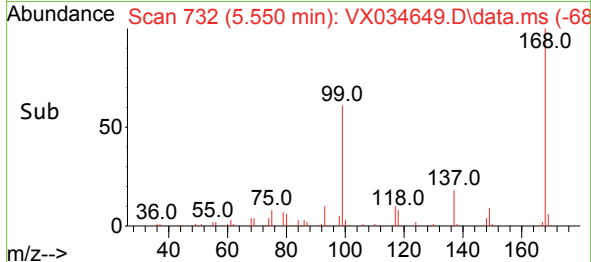
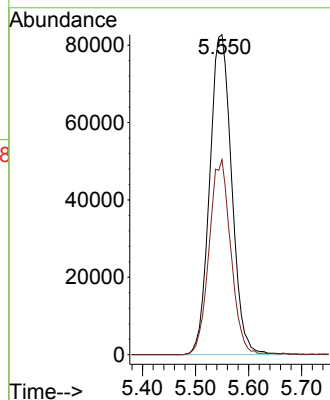
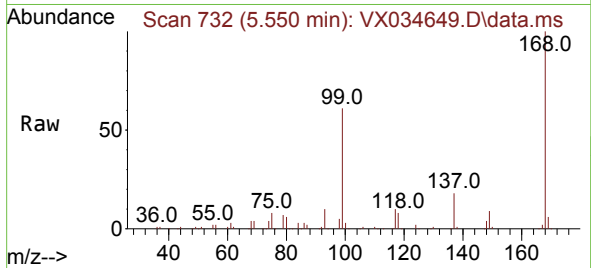




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX034649.D
Acq: 21 Mar 2023 13:06

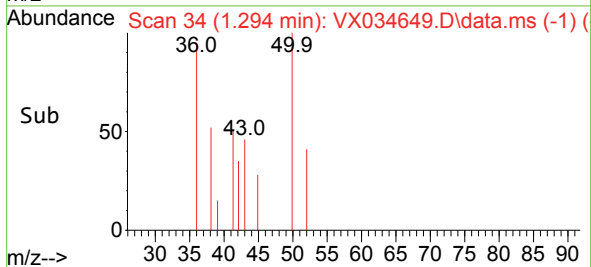
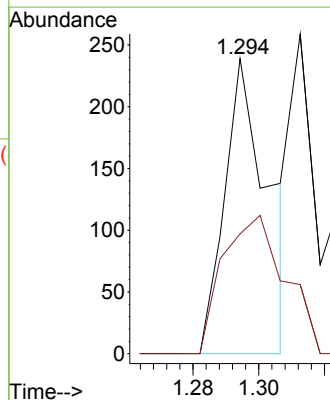
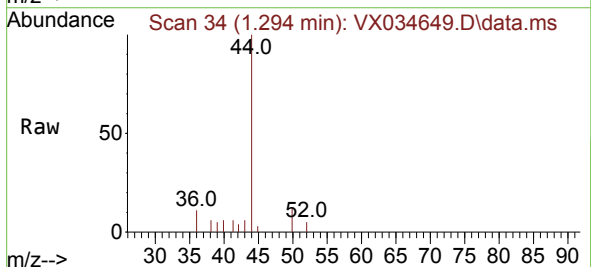
Instrument :
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ClientSampleId :
FRAC-TANK-A821

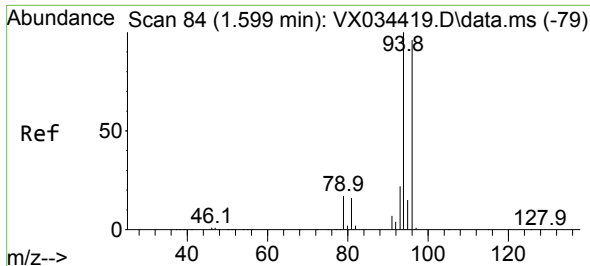
Tgt Ion:168 Resp: 238552
Ion Ratio Lower Upper
168 100
99 61.0 45.7 68.5



#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. -0.007 min
Lab File: VX034649.D
Acq: 21 Mar 2023 13:06

Tgt Ion: 50 Resp: 222
Ion Ratio Lower Upper
50 100
52 40.6 25.9 38.9#

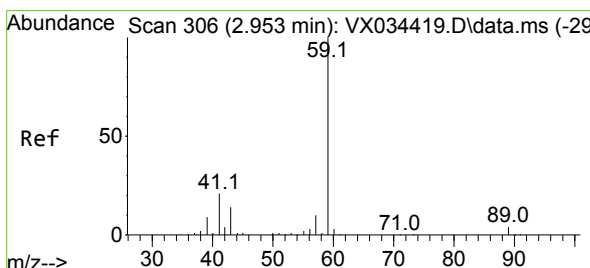
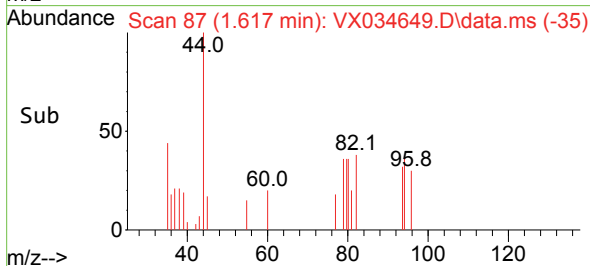
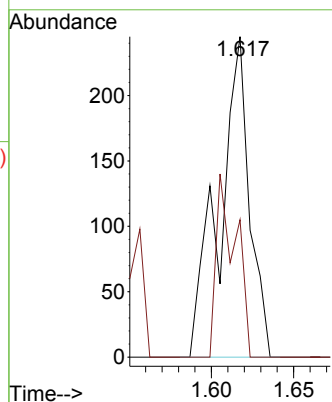
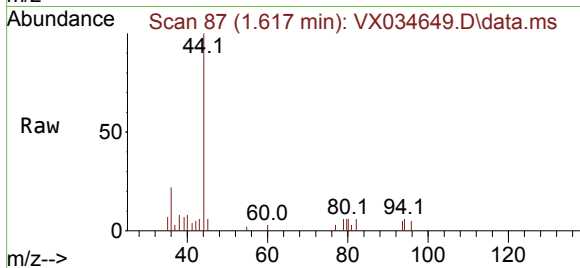




#5
Bromomethane
Concen: 0.203 ug/l
RT: 1.617 min Scan# 81
Delta R.T. 0.018 min
Lab File: VX034649.D
Acq: 21 Mar 2023 13:06

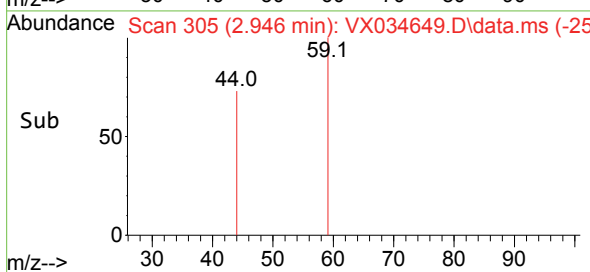
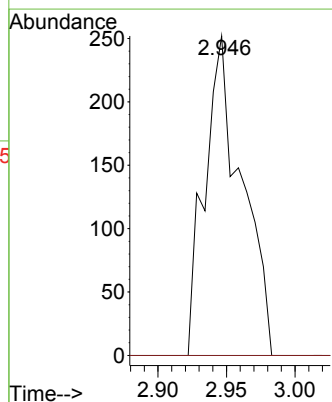
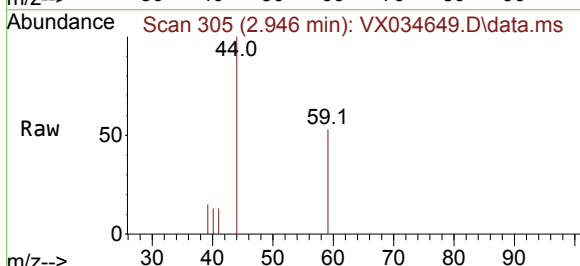
Instrument :
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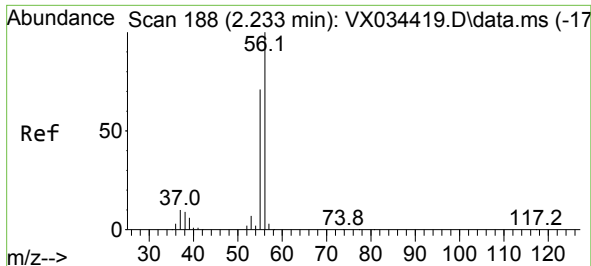
Tgt Ion: 94 Resp: 310
Ion Ratio Lower Upper
94 100
96 42.9 77.0 115.6#



#11
Tert butyl alcohol
Concen: 0.656 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.006 min
Lab File: VX034649.D
Acq: 21 Mar 2023 13:06

Tgt Ion: 59 Resp: 474
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

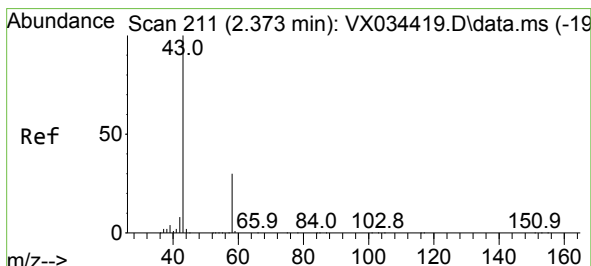
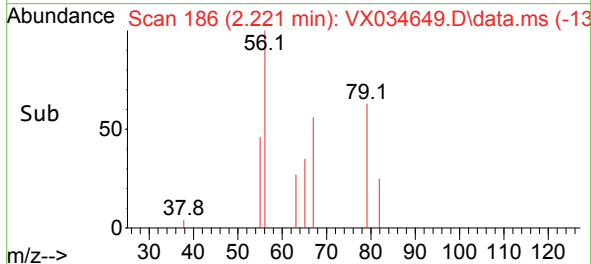
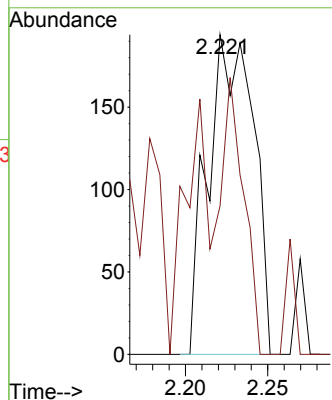
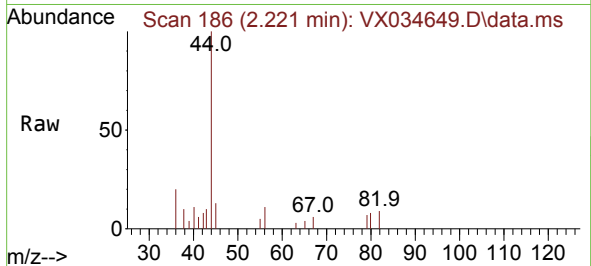




#13
Acrolein
Concen: 0.658 ug/l
RT: 2.221 min Scan# 11
Delta R.T. -0.012 min
Lab File: VX034649.D
Acq: 21 Mar 2023 13:06

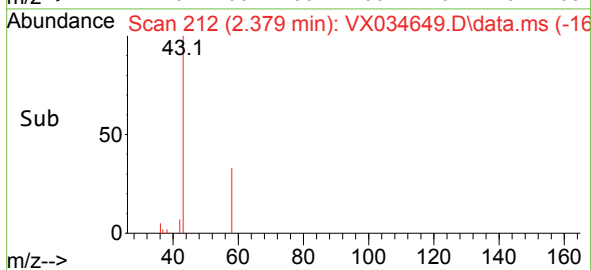
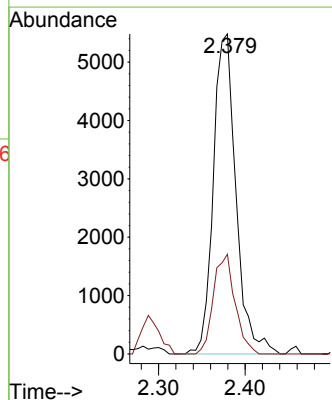
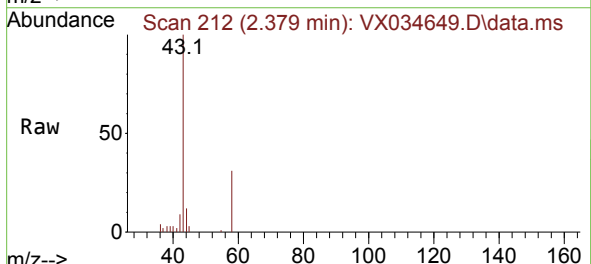
Instrument :
MSVOA_X
ClientSampleId :
FRAC-TANK-A821

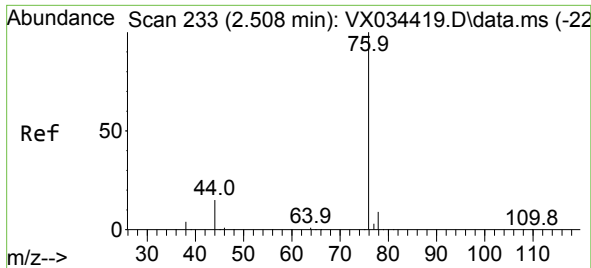
Tgt Ion: 56 Resp: 376
Ion Ratio Lower Upper
56 100
55 43.1 56.6 85.0#



#16
Acetone
Concen: 6.096 ug/l
RT: 2.379 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX034649.D
Acq: 21 Mar 2023 13:06

Tgt Ion: 43 Resp: 9966
Ion Ratio Lower Upper
43 100
58 31.1 24.7 37.1





#17

Carbon Disulfide

Concen: 0.325 ug/l

RT: 2.514 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX034649.D

Acq: 21 Mar 2023 13:06

Instrument :

MSVOA_X

ClientSampleId :

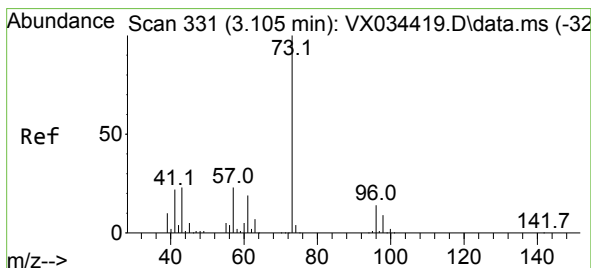
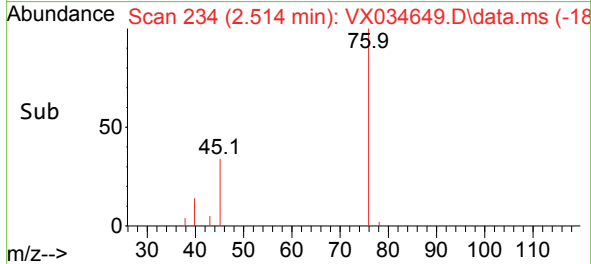
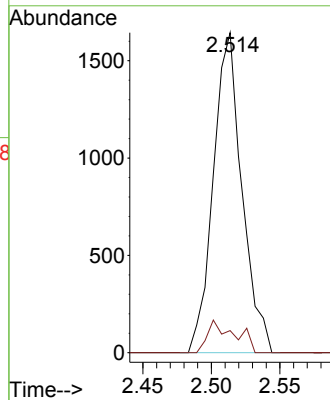
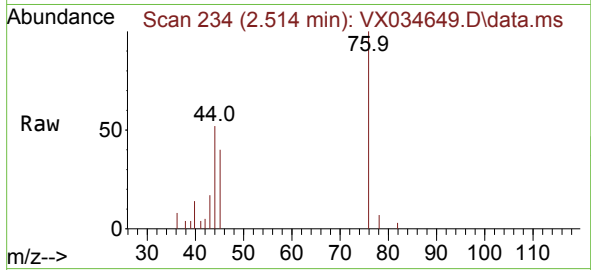
FRAC-TANK-A821

Tgt Ion: 76 Resp: 2391

Ion Ratio Lower Upper

76 100

78 6.9 7.2 10.8#



#19

Methyl tert-butyl Ether

Concen: 0.259 ug/l

RT: 3.111 min Scan# 332

Delta R.T. 0.006 min

Lab File: VX034649.D

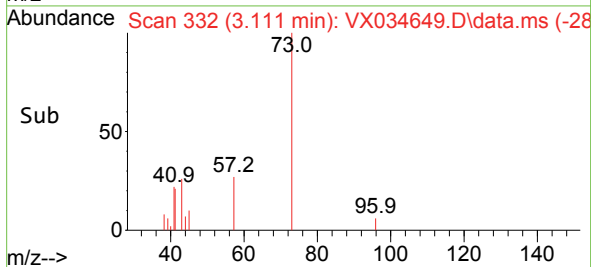
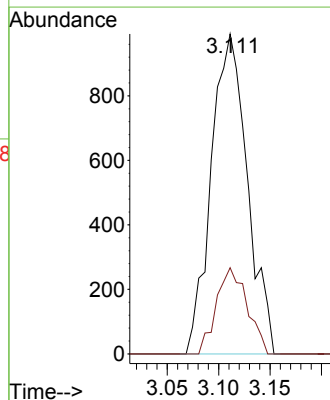
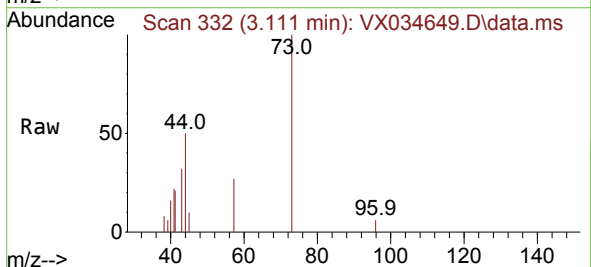
Acq: 21 Mar 2023 13:06

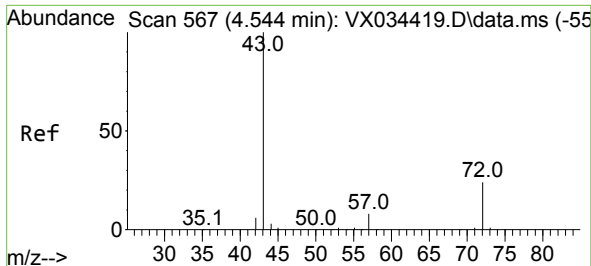
Tgt Ion: 73 Resp: 2425

Ion Ratio Lower Upper

73 100

57 26.9 18.5 27.7

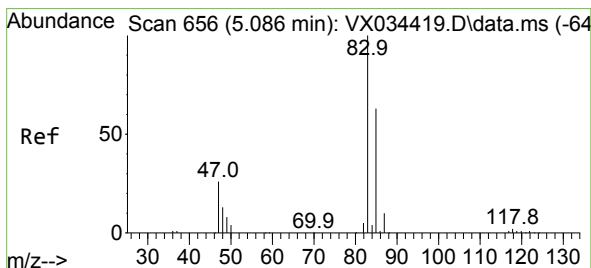
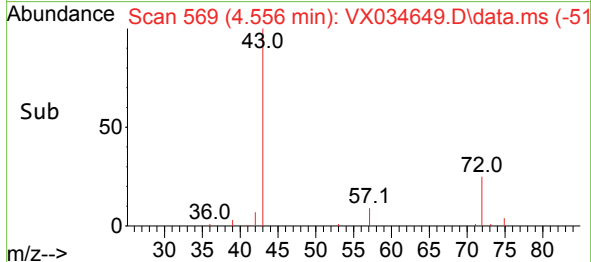
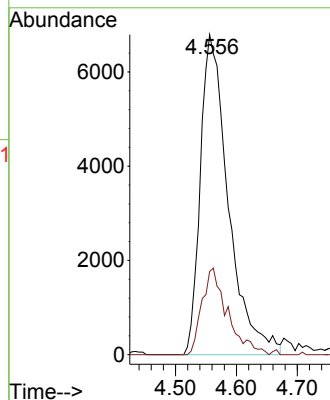
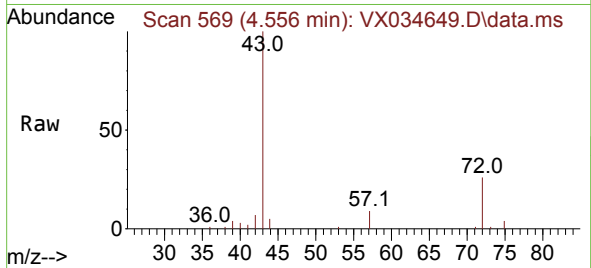




#25
2-Butanone
Concen: 9.281 ug/l
RT: 4.556 min Scan# 50
Delta R.T. 0.012 min
Lab File: VX034649.D
Acq: 21 Mar 2023 13:06

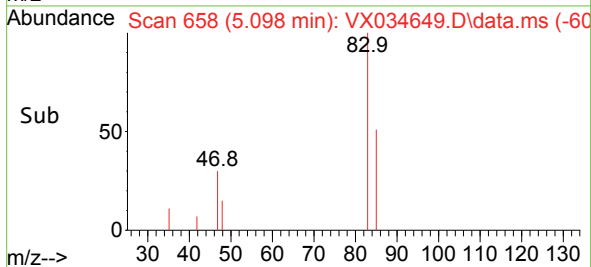
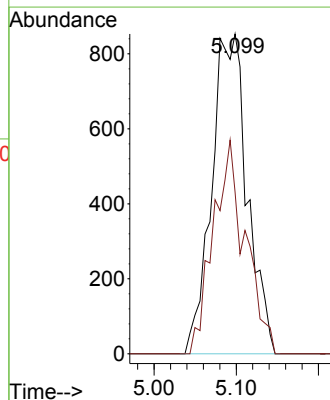
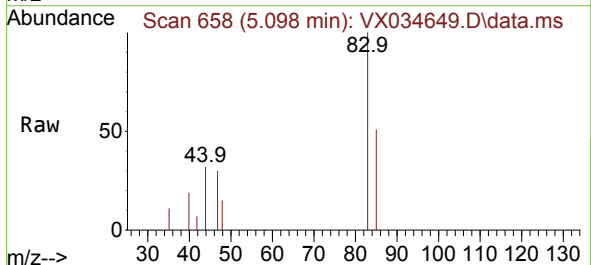
Instrument :
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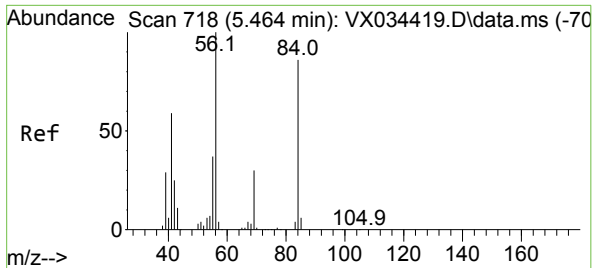
Tgt Ion: 43 Resp: 21710
Ion Ratio Lower Upper
43 100
72 26.0 19.3 28.9



#30
Chloroform
Concen: 0.482 ug/l
RT: 5.098 min Scan# 658
Delta R.T. 0.012 min
Lab File: VX034649.D
Acq: 21 Mar 2023 13:06

Tgt Ion: 83 Resp: 2564
Ion Ratio Lower Upper
83 100
85 50.5 50.6 76.0#

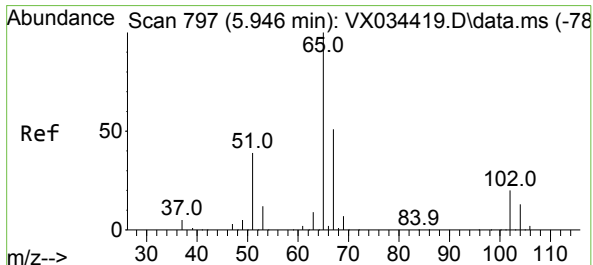
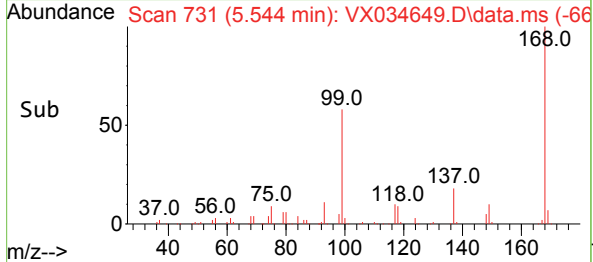
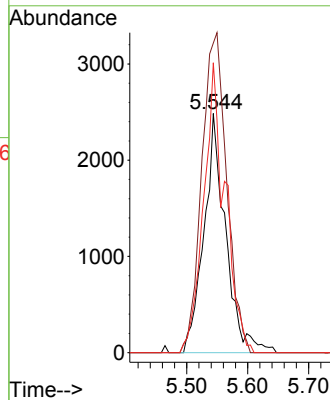
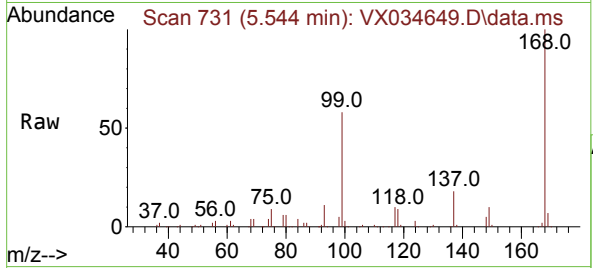




#31
Cyclohexane
Concen: 1.264 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.079 min
Lab File: VX034649.D
Acq: 21 Mar 2023 13:06

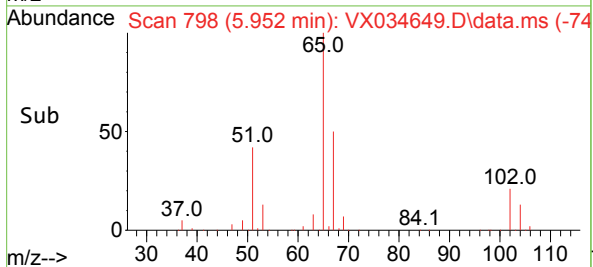
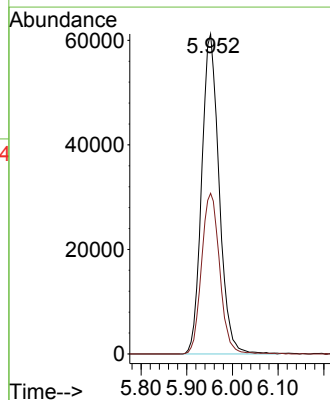
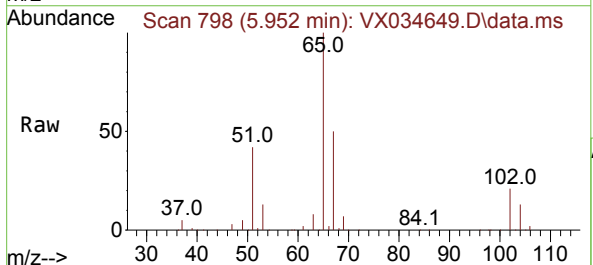
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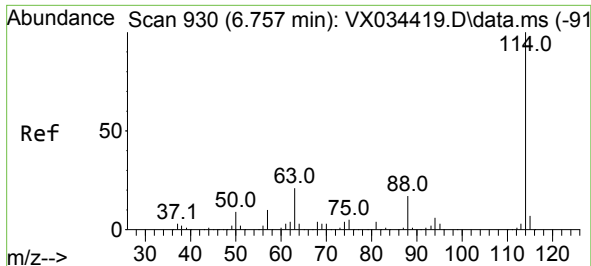
Tgt Ion: 56 Resp: 6153
Ion Ratio Lower Upper
56 100
69 129.5 23.7 35.5#
84 121.2 68.5 102.7#



#33
1,2-Dichloroethane-d4
Concen: 46.676 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX034649.D
Acq: 21 Mar 2023 13:06

Tgt Ion: 65 Resp: 161985
Ion Ratio Lower Upper
65 100
67 52.2 0.0 104.0

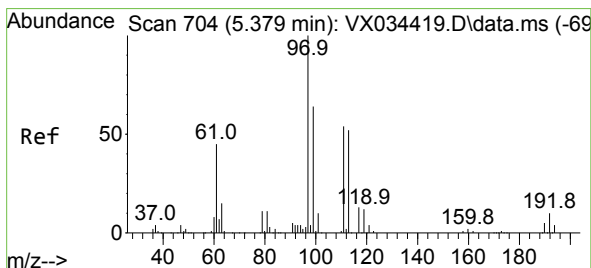
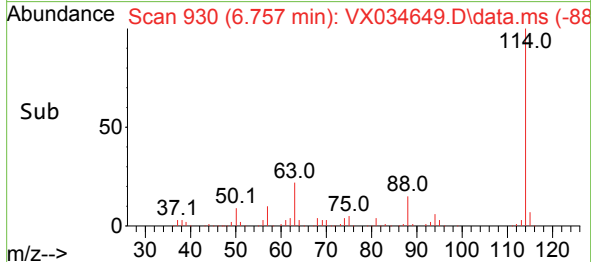
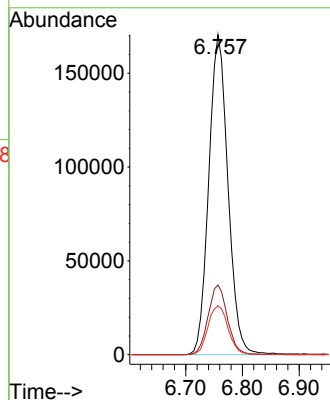
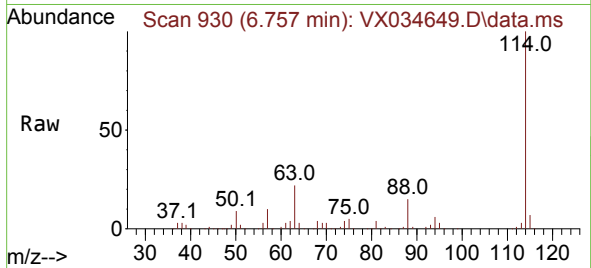




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 911
Delta R.T. -0.000 min
Lab File: VX034649.D
Acq: 21 Mar 2023 13:06

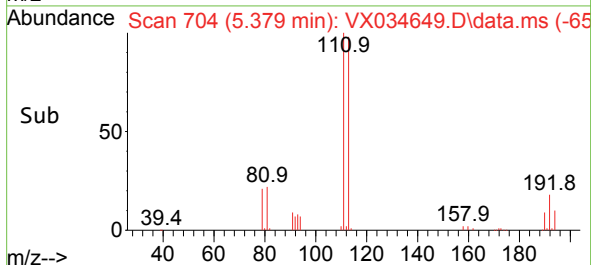
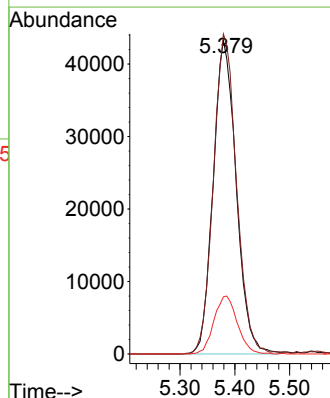
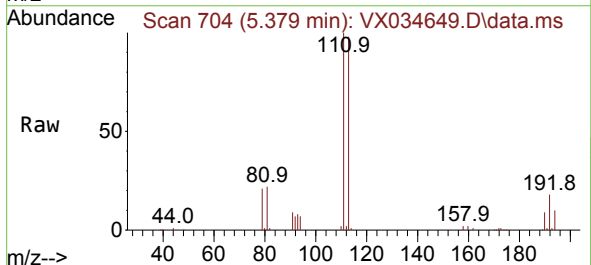
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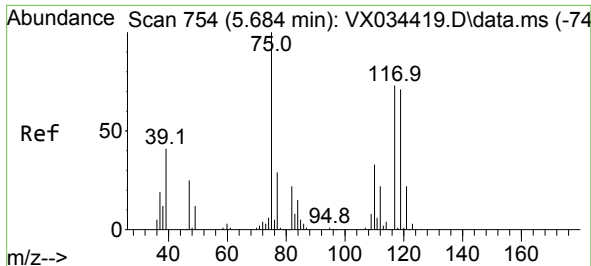
Tgt Ion:114 Resp: 400825
Ion Ratio Lower Upper
114 100
63 21.8 0.0 42.2
88 15.3 0.0 33.2



#35
Dibromofluoromethane
Concen: 47.723 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX034649.D
Acq: 21 Mar 2023 13:06

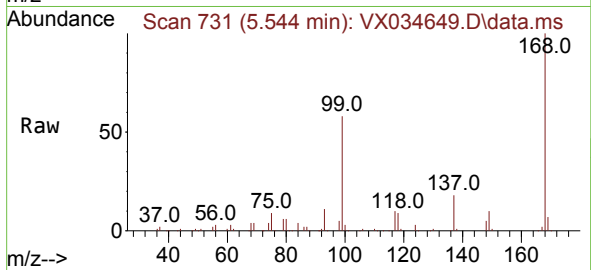
Tgt Ion:113 Resp: 126297
Ion Ratio Lower Upper
113 100
111 102.7 83.7 125.5
192 18.8 15.4 23.2



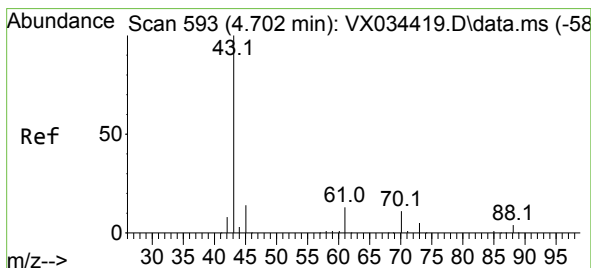
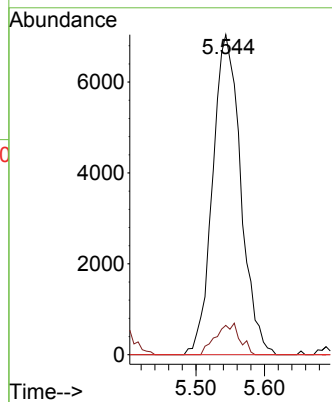
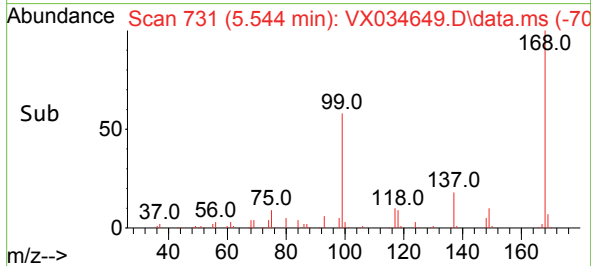


#36
1,1-Dichloropropene
Concen: 4.936 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX034649.D
Acq: 21 Mar 2023 13:06

Instrument :
MSVOA_X
ClientSampleId :
FRAC-TANK-A821

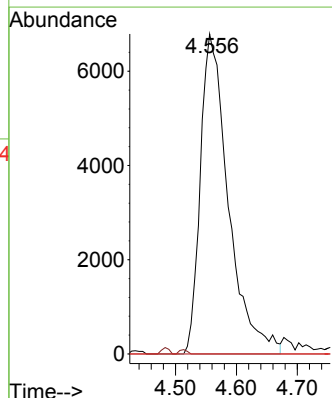
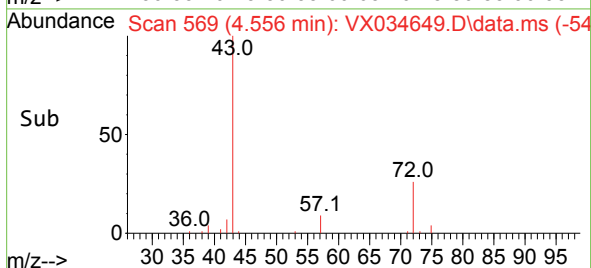
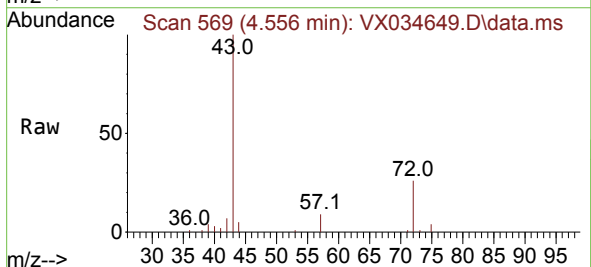


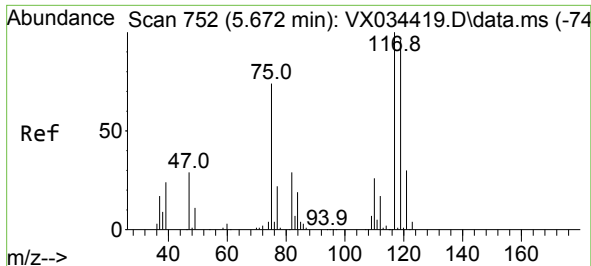
Tgt Ion: 75 Resp: 20062
Ion Ratio Lower Upper
75 100
110 8.4 17.5 52.5#
77 0.0 24.3 36.5#



#37
Ethyl Acetate
Concen: 4.889 ug/l
RT: 4.556 min Scan# 569
Delta R.T. -0.146 min
Lab File: VX034649.D
Acq: 21 Mar 2023 13:06

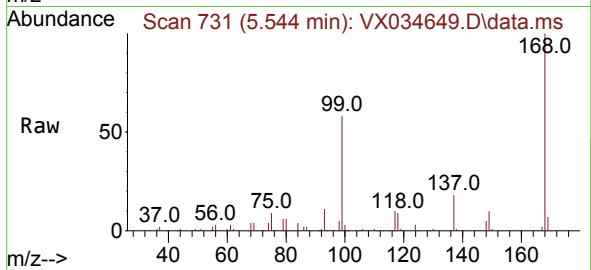
Tgt Ion: 43 Resp: 21710
Ion Ratio Lower Upper
43 100
61 0.0 10.2 15.4#
70 0.0 8.2 12.4#



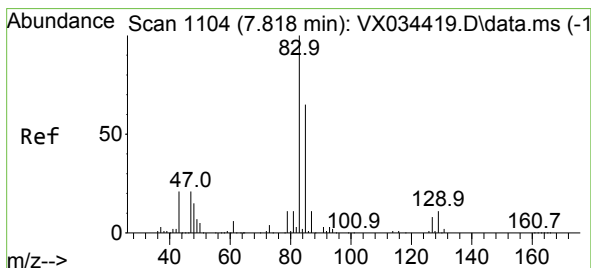
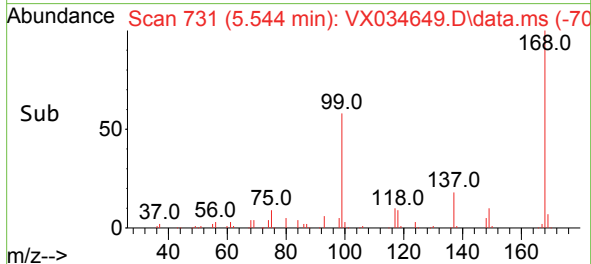
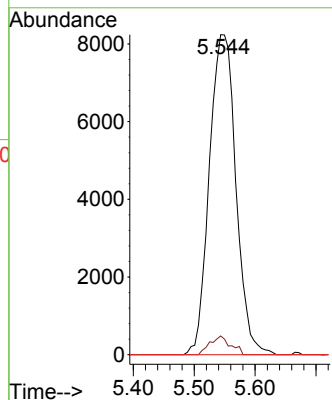


#38
Carbon Tetrachloride
Concen: 6.174 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX034649.D
Acq: 21 Mar 2023 13:06

Instrument :
MSVOA_X
ClientSampleId :
FRAC-TANK-A821

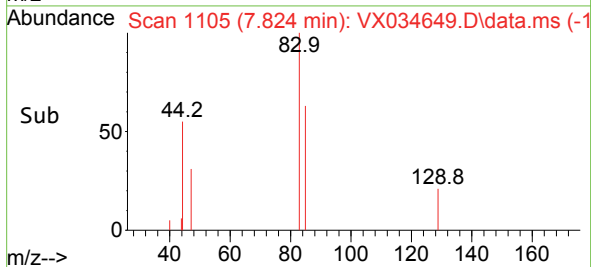
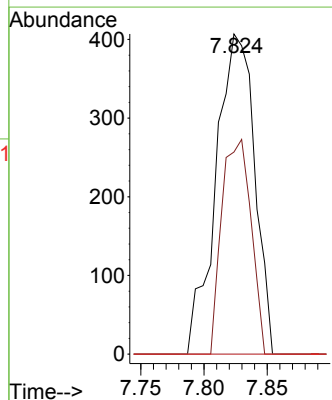
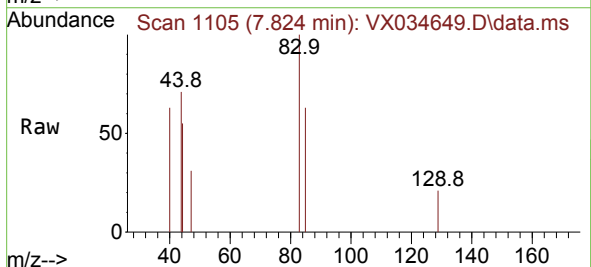


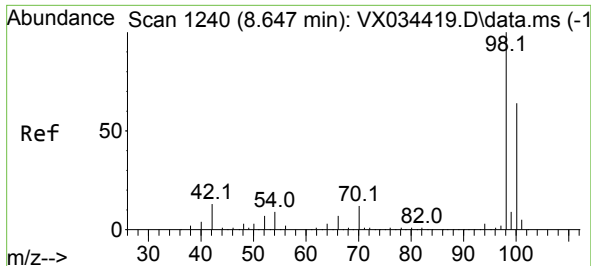
Tgt Ion:117 Resp: 24964
Ion Ratio Lower Upper
117 100
119 5.9 76.6 114.8#
121 0.0 23.8 35.6#



#47
Bromodichloromethane
Concen: 0.212 ug/l
RT: 7.824 min Scan# 1105
Delta R.T. 0.006 min
Lab File: VX034649.D
Acq: 21 Mar 2023 13:06

Tgt Ion: 83 Resp: 865
Ion Ratio Lower Upper
83 100
85 63.1 52.2 78.4
127 0.0 6.6 9.8#

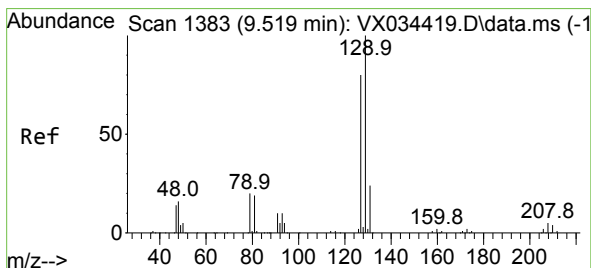
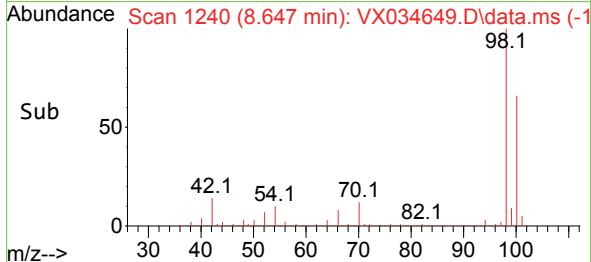
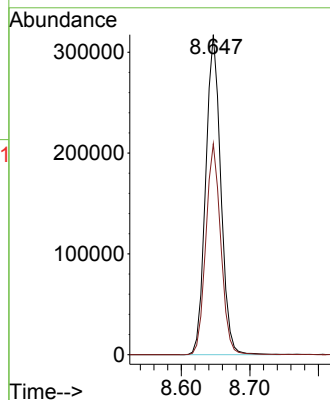
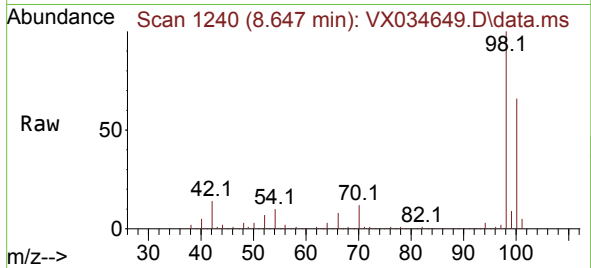




#50
Toluene-d8
Concen: 49.222 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX034649.D
Acq: 21 Mar 2023 13:06

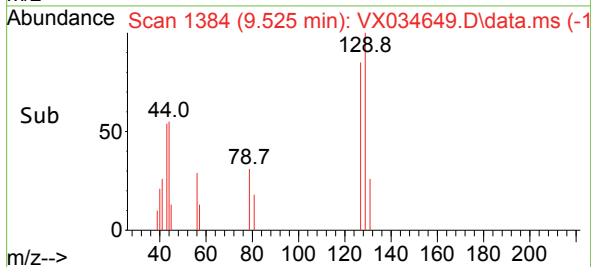
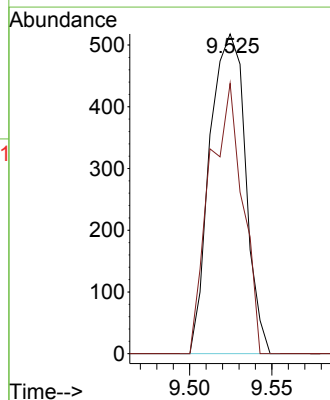
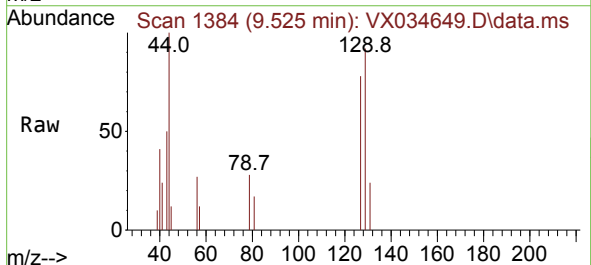
Instrument :
MSVOA_X
ClientSampleId :
FRAC-TANK-A821

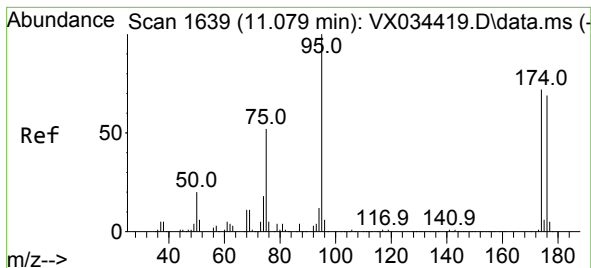
Tgt Ion: 98 Resp: 486276
Ion Ratio Lower Upper
98 100
100 65.3 52.5 78.7



#60
Dibromochloromethane
Concen: 0.255 ug/l
RT: 9.525 min Scan# 1384
Delta R.T. 0.006 min
Lab File: VX034649.D
Acq: 21 Mar 2023 13:06

Tgt Ion: 129 Resp: 782
Ion Ratio Lower Upper
129 100
127 78.4 39.0 117.0

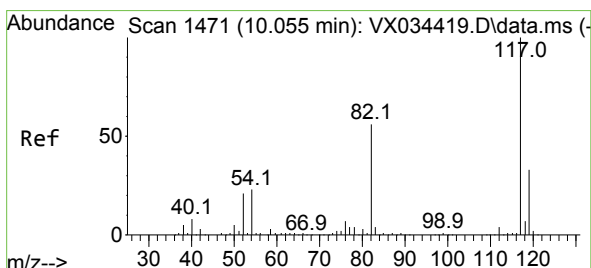
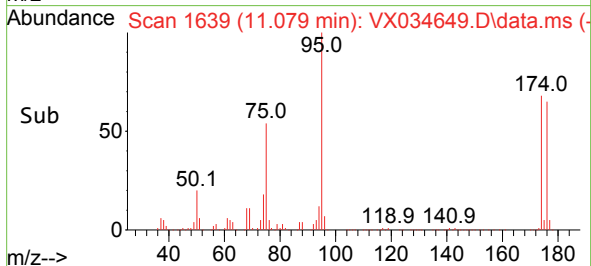
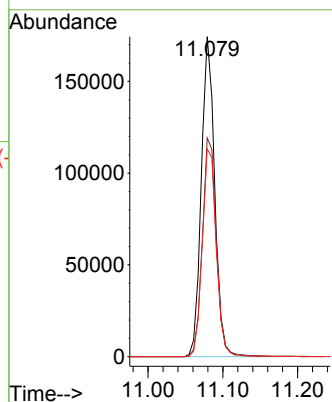
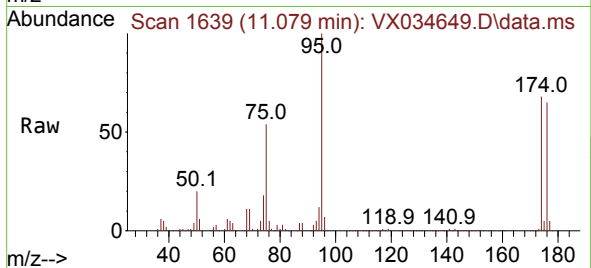




#62
4-Bromofluorobenzene
Concen: 54.325 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX034649.D
Acq: 21 Mar 2023 13:06

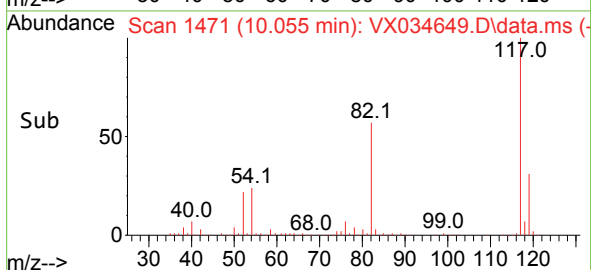
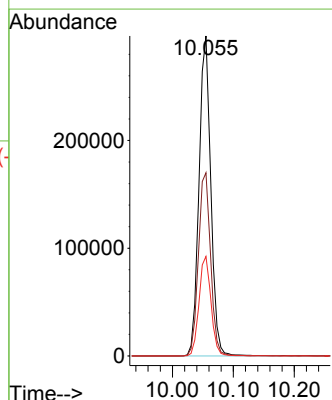
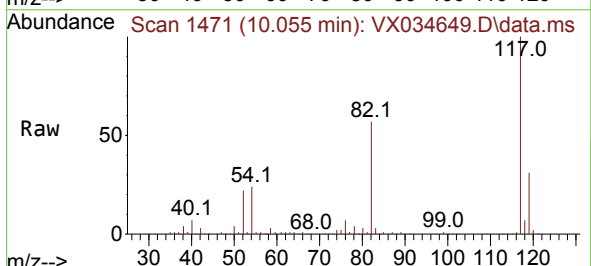
Instrument :
MSVOA_X
ClientSampleId :
FRAC-TANK-A821

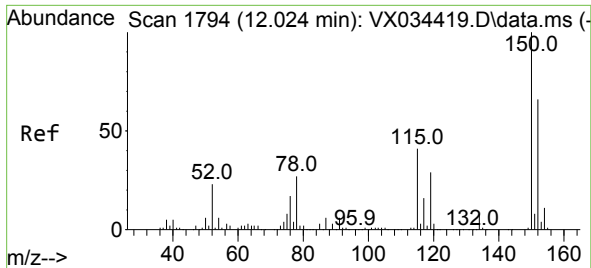
Tgt Ion: 95 Resp: 216782
Ion Ratio Lower Upper
95 100
174 70.9 0.0 147.4
176 68.0 0.0 140.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX034649.D
Acq: 21 Mar 2023 13:06

Tgt Ion: 117 Resp: 399256
Ion Ratio Lower Upper
117 100
82 57.2 45.0 67.4
119 31.1 26.0 39.0

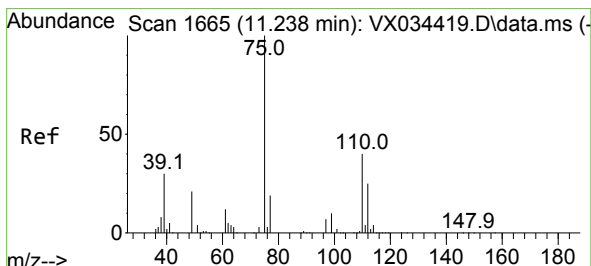
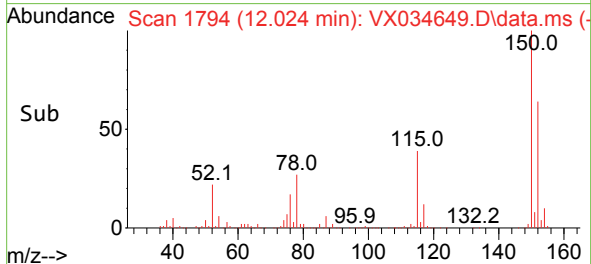
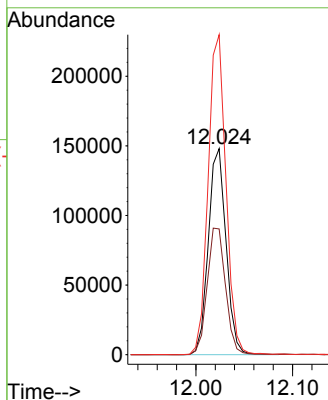
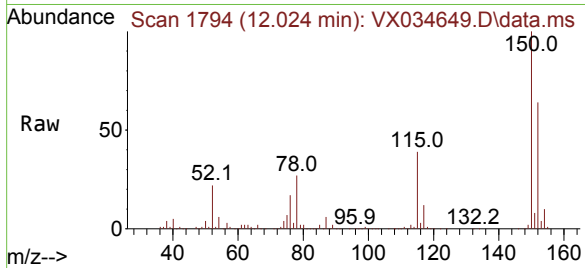




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX034649.D
 Acq: 21 Mar 2023 13:06

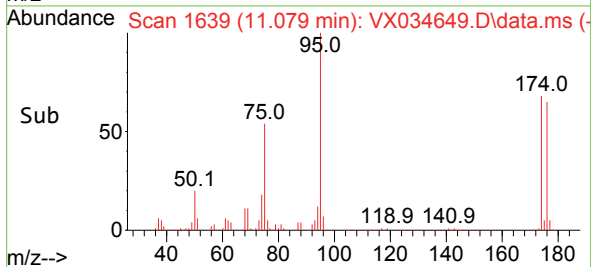
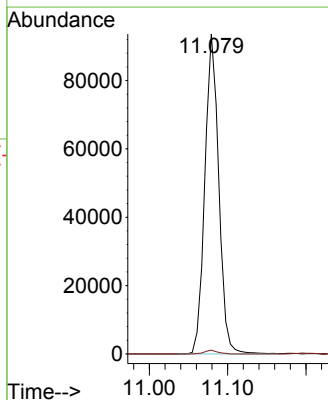
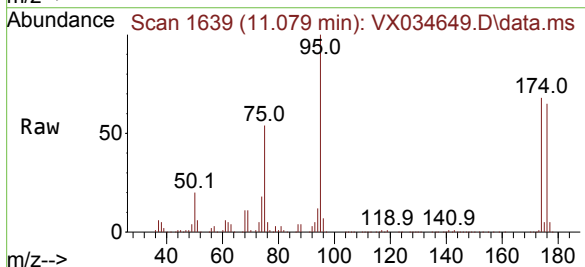
Instrument :
 MSVOA_X
 ClientSampleId :
 FRAC-TANK-A821

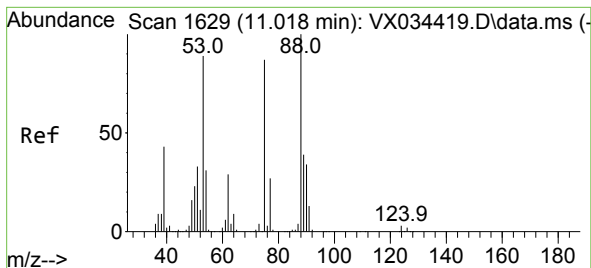
Tgt Ion:152 Resp: 188807
 Ion Ratio Lower Upper
 152 100
 115 63.4 45.0 135.0
 150 155.9 0.0 352.4



#76
 1,2,3-Trichloropropane
 Concen: 26.586 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX034649.D
 Acq: 21 Mar 2023 13:06

Tgt Ion: 75 Resp: 115256
 Ion Ratio Lower Upper
 75 100
 77 1.1 21.6 64.8#

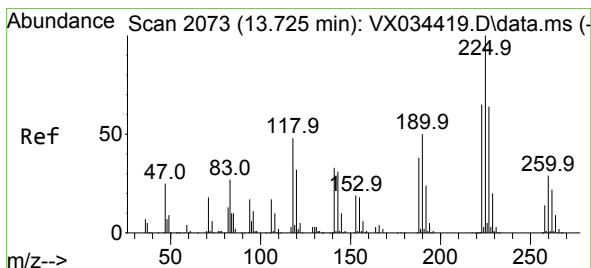
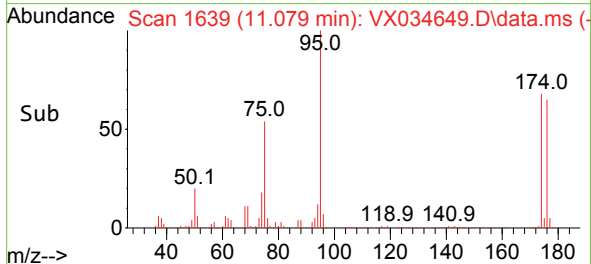
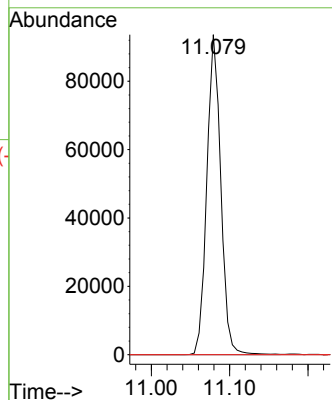
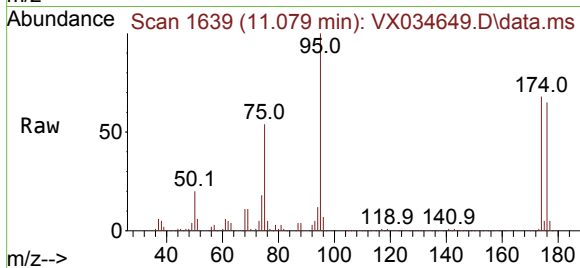




#81
trans-1,4-Dichloro-2-butene
Concen: 71.923 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.061 min
Lab File: VX034649.D
Acq: 21 Mar 2023 13:06

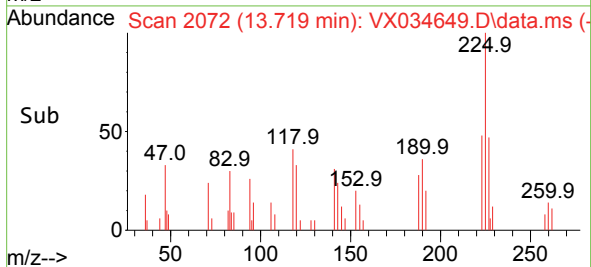
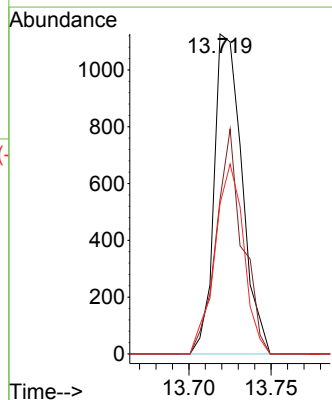
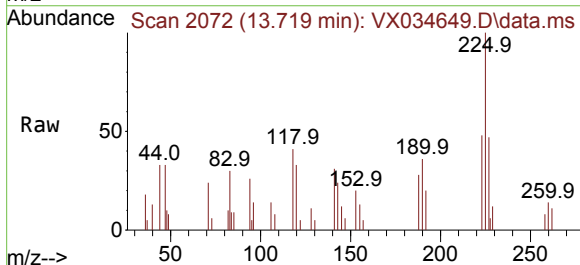
Instrument :
MSVOA_X
ClientSampleId :
FRAC-TANK-A821

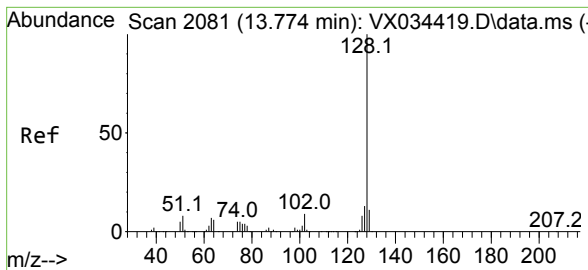
Tgt Ion: 75 Resp: 115256
Ion Ratio Lower Upper
75 100
53 0.0 82.6 124.0#
89 0.0 36.9 55.3#



#94
Hexachlorobutadiene
Concen: 0.795 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX034649.D
Acq: 21 Mar 2023 13:06

Tgt Ion: 225 Resp: 1328
Ion Ratio Lower Upper
225 100
223 66.3 32.1 96.5
227 61.5 31.8 95.4





#95
 Naphthalene
 Concen: 0.228 ug/l
 RT: 13.780 min Scan# 2082
 Delta R.T. 0.006 min
 Lab File: VX034649.D
 Acq: 21 Mar 2023 13:06

Instrument :
 MSVOA_X
 ClientSampleId :
 FRAC-TANK-A821

Tgt Ion:	128	Resp:	3164
Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.2	15.4
129	10.1	8.6	13.0

