

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX033022\
 Data File : VX027816.D
 Acq On : 30 Mar 2022 17:24
 Operator : JC/MD
 Sample : N2074-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT180D1-20220318

Quant Time: Mar 31 05:50:53 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032922W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 30 04:39:27 2022
 Response via : Initial Calibration

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

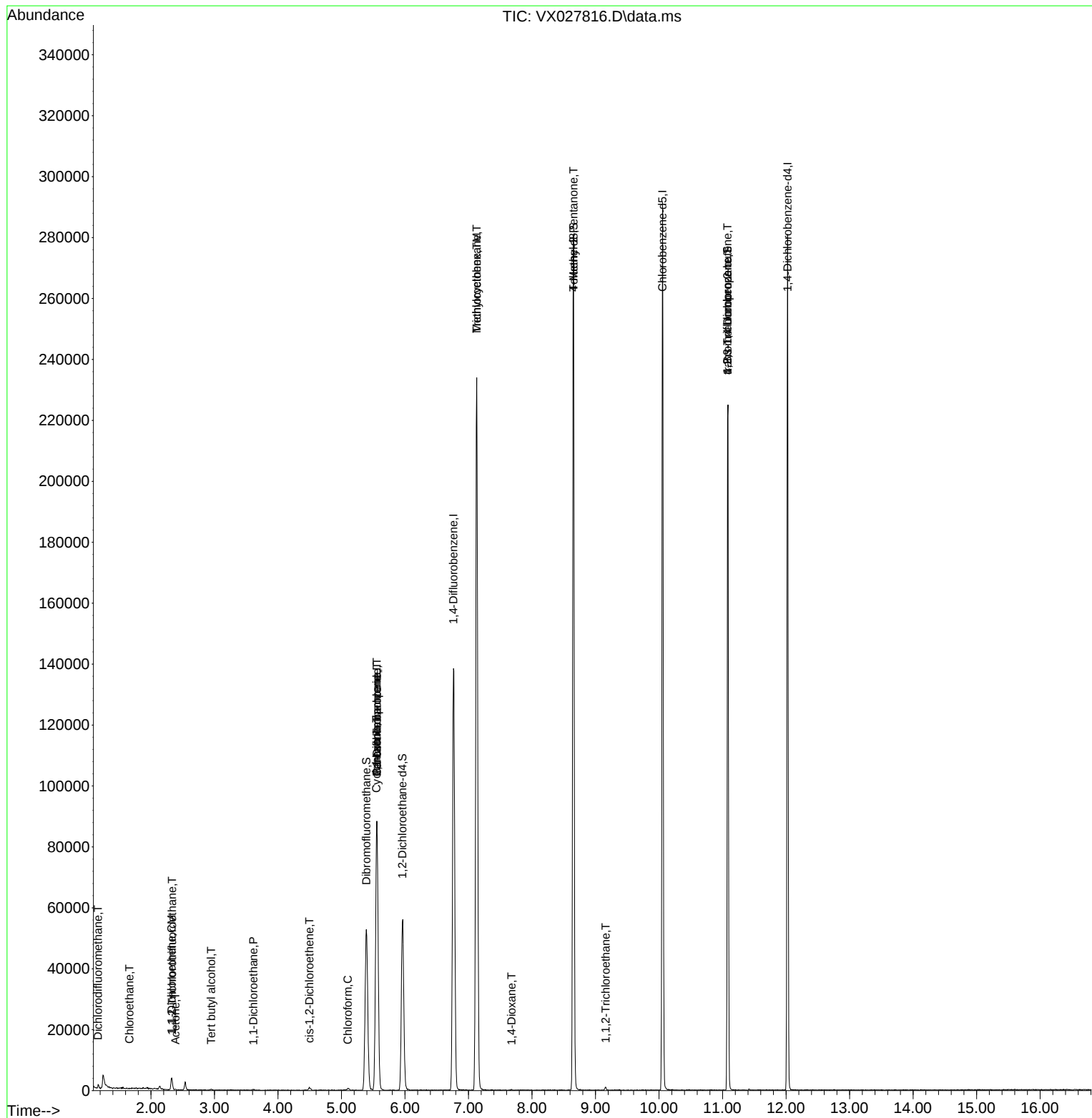
Internal Standards						
1) Pentafluorobenzene	5.555	168	82236	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	133502	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	120116	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	51194	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	55358	52.172	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 104.340%	
35) Dibromofluoromethane	5.391	113	46896	54.421	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 108.840%	
50) Toluene-d8	8.652	98	159845	52.721	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 105.440%	
62) 4-Bromofluorobenzene	11.079	95	62194	48.270	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 96.540%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.166	85	566	0.760	ug/l	85
6) Chloroethane	1.660	64	114	0.250	ug/l	# 43
9) 1,1,2-Trichlorotrifluo...	2.330	101	1129	1.466	ug/l	99
11) Tert butyl alcohol	2.946	59	97	0.476	ug/l	# 72
12) 1,1-Dichloroethene	2.324	96	647	0.916	ug/l	98
16) Acetone	2.385	43	307	0.654	ug/l	# 39
24) 1,1-Dichloroethane	3.611	63	321	0.219	ug/l	# 81
27) cis-1,2-Dichloroethene	4.495	96	602	0.651	ug/l	87
30) Chloroform	5.098	83	817	0.503	ug/l	99
31) Cyclohexane	5.549	56	1675	1.428	ug/l	# 1
36) 1,1-Dichloropropene	5.555	75	6340	5.841	ug/l	# 45
38) Carbon Tetrachloride	5.555	117	8458	7.054	ug/l	# 15
39) Methylcyclohexane	7.128	83	1114	0.872	ug/l	# 1
44) Trichloroethene	7.128	130	81275	90.927	ug/l	85
49) 1,4-Dioxane	7.677	88	103	4.617	ug/l	# 33
51) 4-Methyl-2-Pentanone	8.652	43	837	0.560	ug/l	# 1
55) 1,1,2-Trichloroethane	9.158	97	325	0.354	ug/l	# 83
76) 1,2,3-Trichloropropane	11.079	75	35154	29.272	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.079	75	35154	85.349	ug/l	# 15

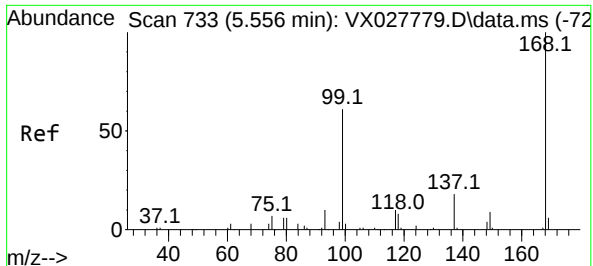
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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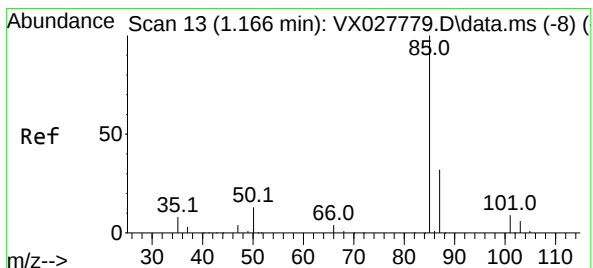
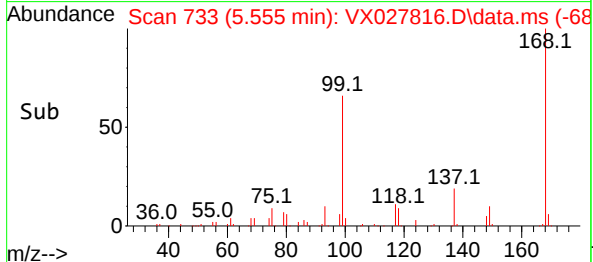
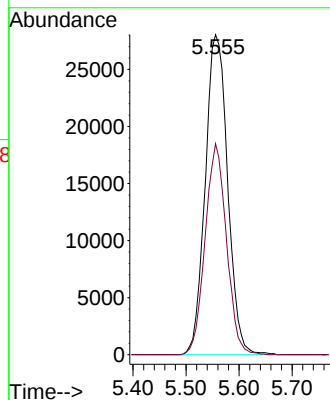
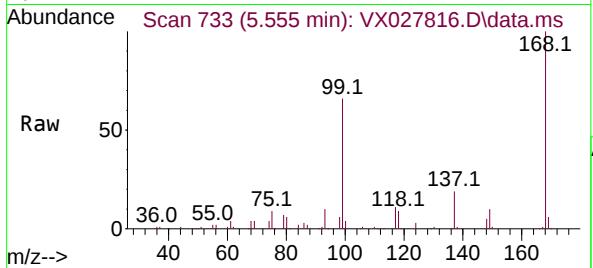




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.555 min Scan# 71
Delta R.T. -0.001 min
Lab File: VX027816.D
Acq: 30 Mar 2022 17:24

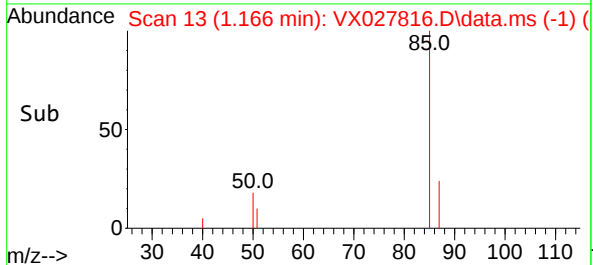
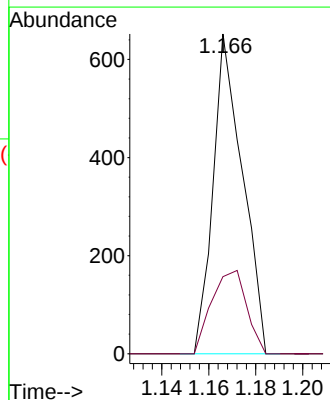
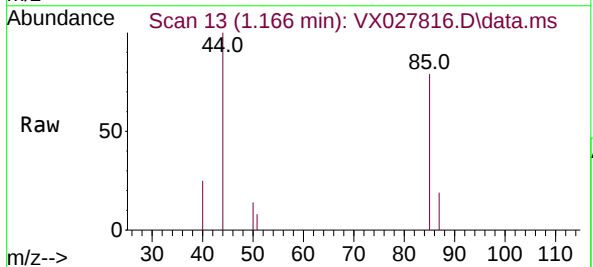
Instrument : MSVOA_X
ClientSampleId : TT180D1-20220318

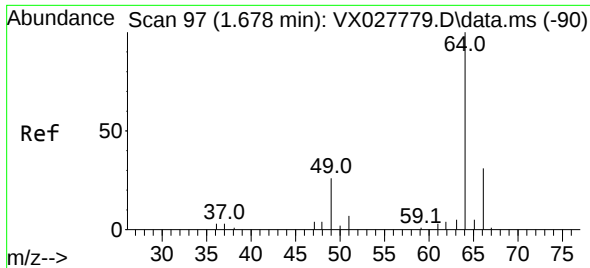
Tgt Ion:168 Resp: 82236
Ion Ratio Lower Upper
168 100
99 65.9 41.7 62.5#



#2
Dichlorodifluoromethane
Concen: 0.760 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX027816.D
Acq: 30 Mar 2022 17:24

Tgt Ion: 85 Resp: 566
Ion Ratio Lower Upper
85 100
87 24.1 16.2 48.6

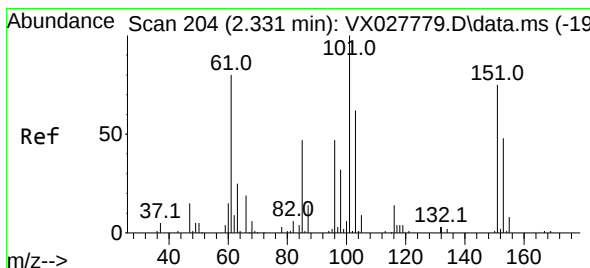
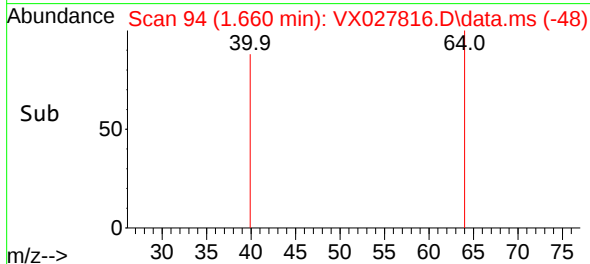
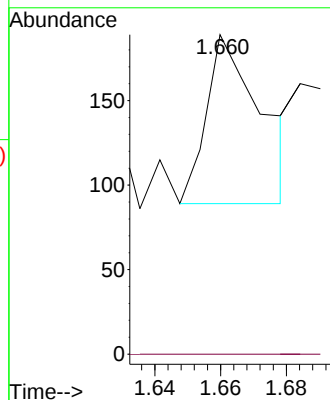
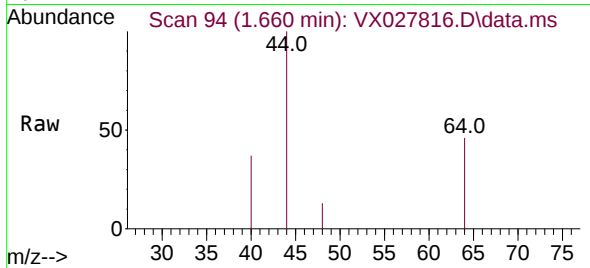




#6
Chloroethane
Concen: 0.250 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.018 min
Lab File: VX027816.D
Acq: 30 Mar 2022 17:24

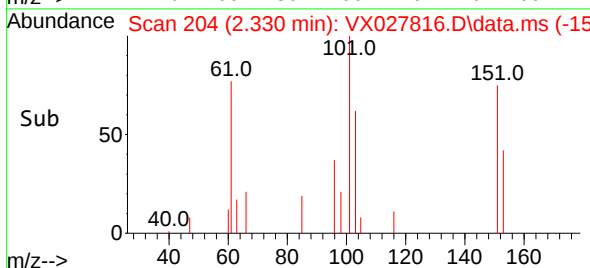
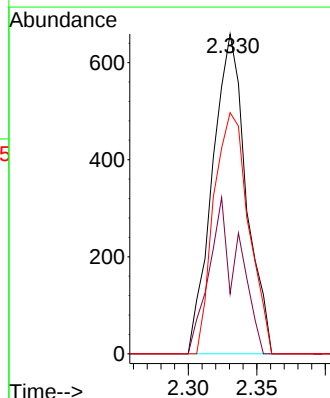
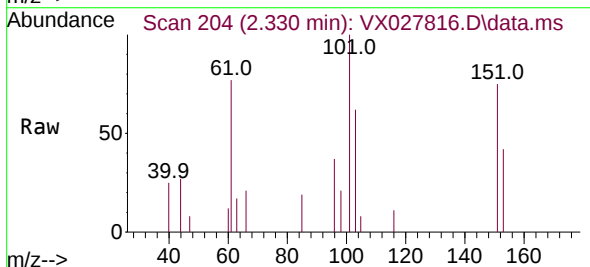
Instrument :
MSVOA_X
ClientSampleId :
TT180D1-20220318

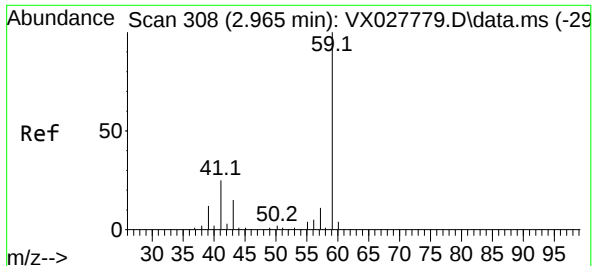
Tgt Ion: 64 Resp: 114
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.466 ug/l
RT: 2.330 min Scan# 204
Delta R.T. -0.001 min
Lab File: VX027816.D
Acq: 30 Mar 2022 17:24

Tgt Ion: 101 Resp: 1129
Ion Ratio Lower Upper
101 100
85 43.2 33.5 50.3
151 77.6 61.8 92.6





#11

Tert butyl alcohol

Concen: 0.476 ug/l

RT: 2.946 min Scan# 308

Delta R.T. -0.019 min

Lab File: VX027816.D

Acq: 30 Mar 2022 17:24

Instrument :

MSVOA_X

ClientSampleId :

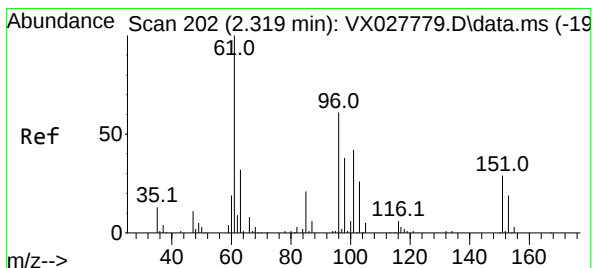
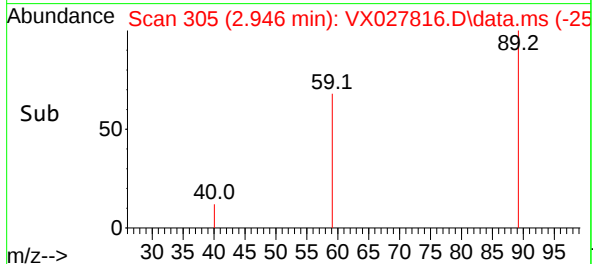
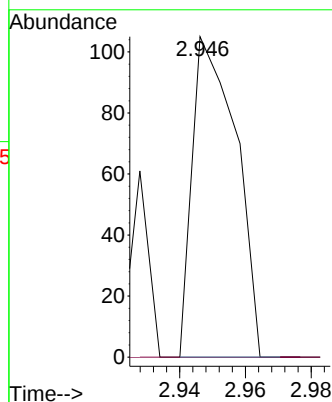
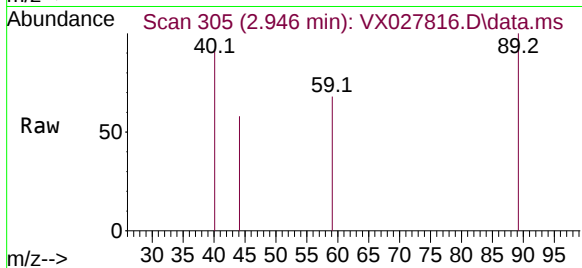
TT180D1-20220318

Tgt Ion: 59 Resp: 97

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#12

1,1-Dichloroethene

Concen: 0.916 ug/l

RT: 2.324 min Scan# 203

Delta R.T. 0.005 min

Lab File: VX027816.D

Acq: 30 Mar 2022 17:24

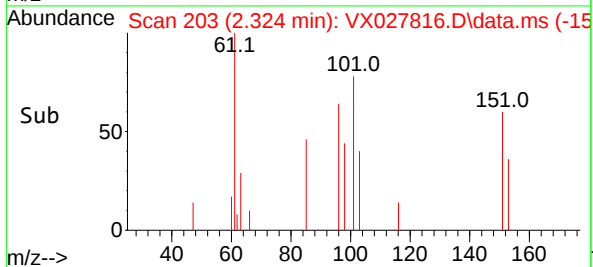
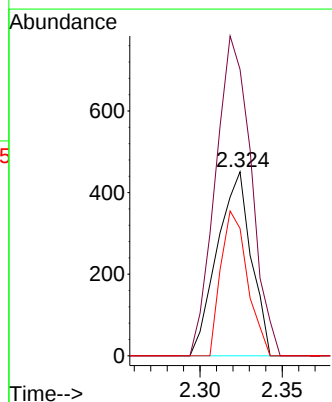
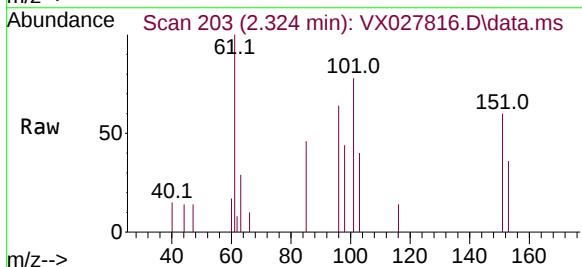
Tgt Ion: 96 Resp: 647

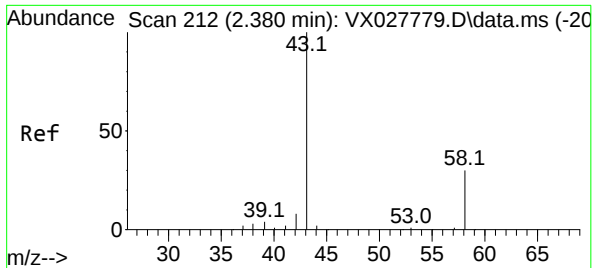
Ion Ratio Lower Upper

96 100

61 155.7 124.6 187.0

98 69.2 51.0 76.4

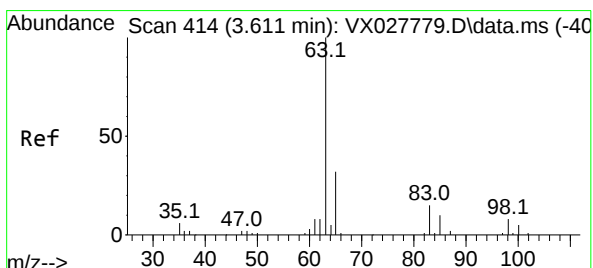
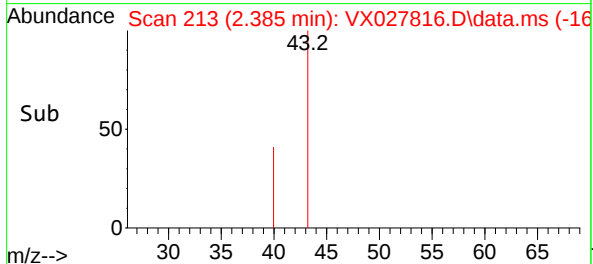
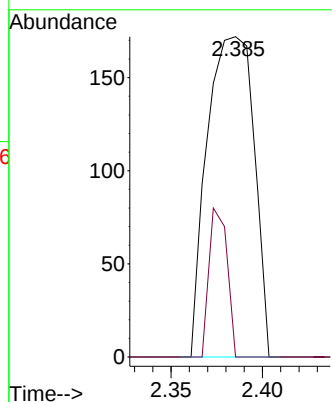
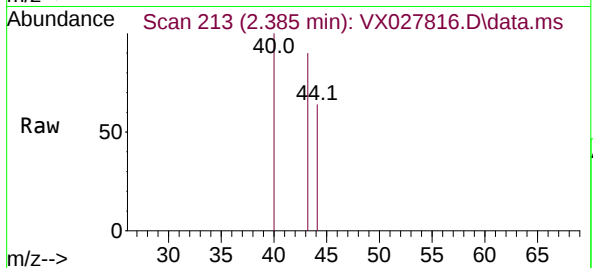




#16
Acetone
Concen: 0.654 ug/l
RT: 2.385 min Scan# 21
Delta R.T. 0.005 min
Lab File: VX027816.D
Acq: 30 Mar 2022 17:24

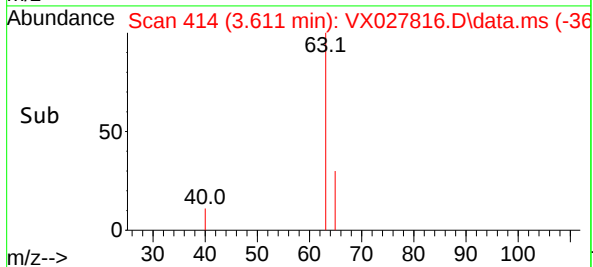
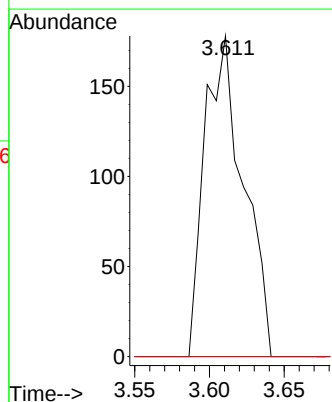
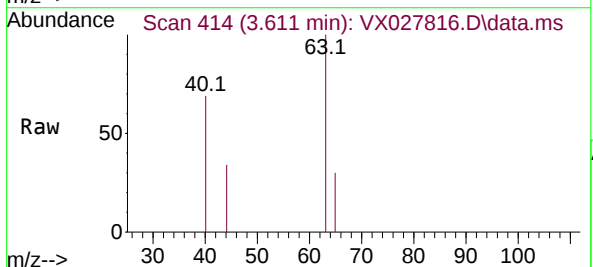
Instrument :
MSVOA_X
ClientSampleId :
TT180D1-20220318

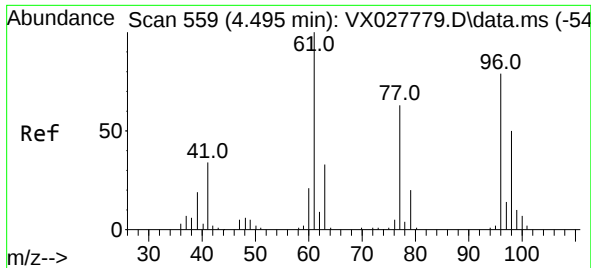
Tgt Ion: 43 Resp: 307
Ion Ratio Lower Upper
43 100
58 0.0 28.8 43.2#



#24
1,1-Dichloroethane
Concen: 0.219 ug/l
RT: 3.611 min Scan# 414
Delta R.T. -0.000 min
Lab File: VX027816.D
Acq: 30 Mar 2022 17:24

Tgt Ion: 63 Resp: 321
Ion Ratio Lower Upper
63 100
98 0.0 3.9 11.7#
100 0.0 2.4 7.2#

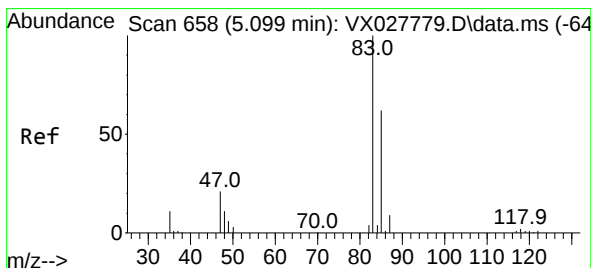
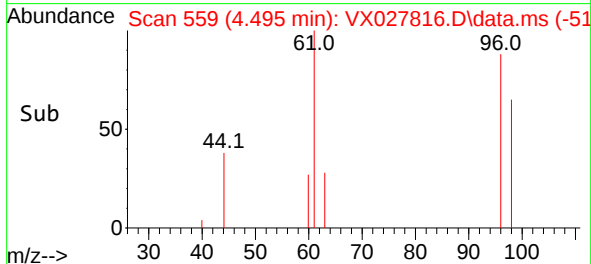
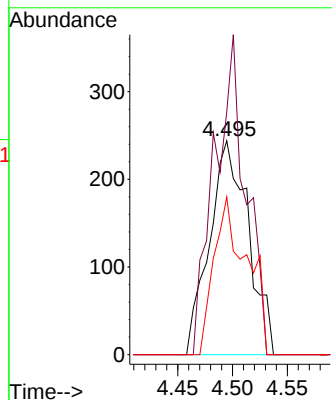
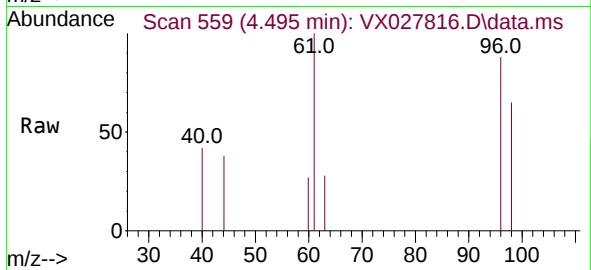




#27
 cis-1,2-Dichloroethene
 Concen: 0.651 ug/l
 RT: 4.495 min Scan# 51
 Delta R.T. -0.000 min
 Lab File: VX027816.D
 Acq: 30 Mar 2022 17:24

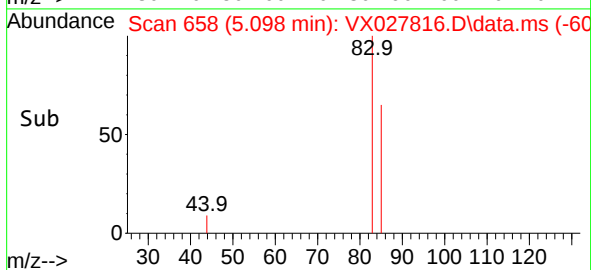
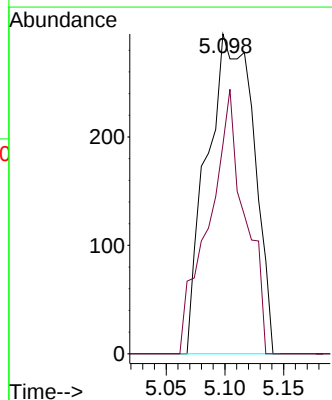
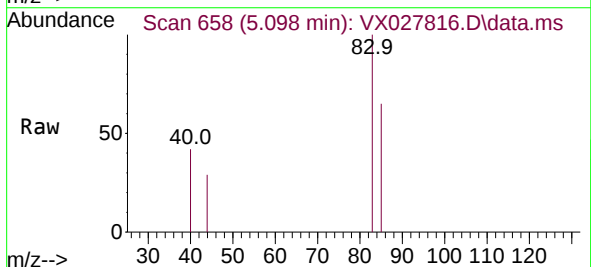
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 MSVOA_X
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 TT180D1-20220318

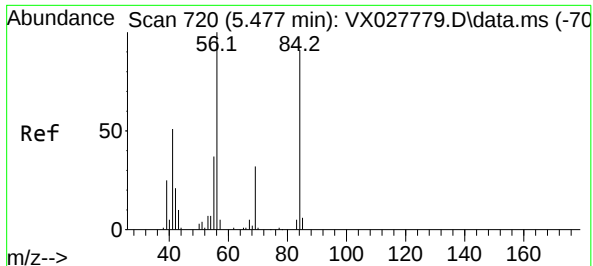
Tgt Ion: 96	Resp:	602	
Ion	Ratio	Lower	Upper
96	100		
61	121.1	0.0	283.8
98	62.6	0.0	129.8



#30
 Chloroform
 Concen: 0.503 ug/l
 RT: 5.098 min Scan# 658
 Delta R.T. -0.001 min
 Lab File: VX027816.D
 Acq: 30 Mar 2022 17:24

Tgt Ion: 83	Resp:	817	
Ion	Ratio	Lower	Upper
83	100		
85	65.4	52.7	79.1

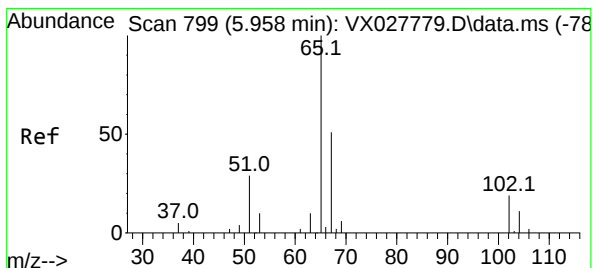
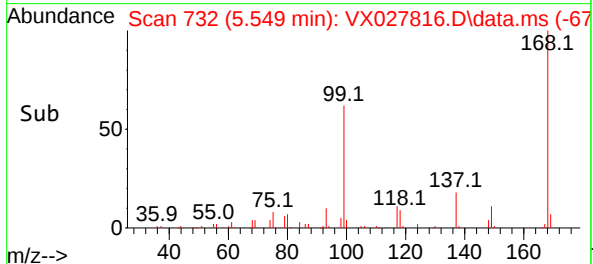
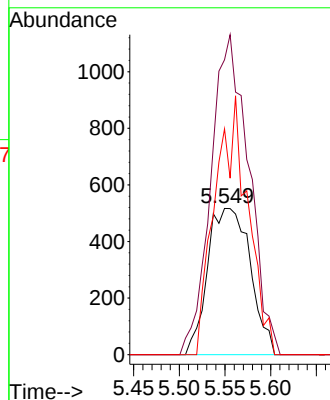
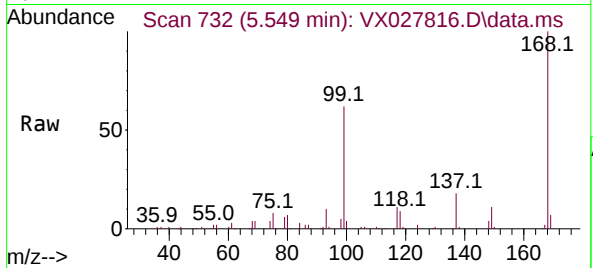




#31
Cyclohexane
Concen: 1.428 ug/l
RT: 5.549 min Scan# 71
Delta R.T. 0.072 min
Lab File: VX027816.D
Acq: 30 Mar 2022 17:24

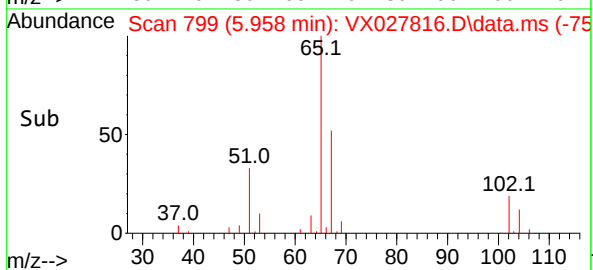
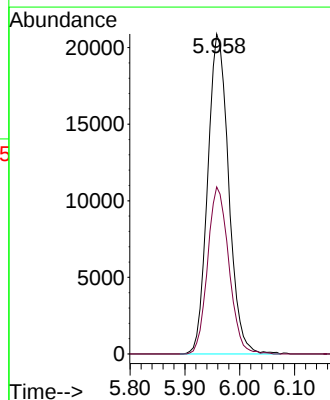
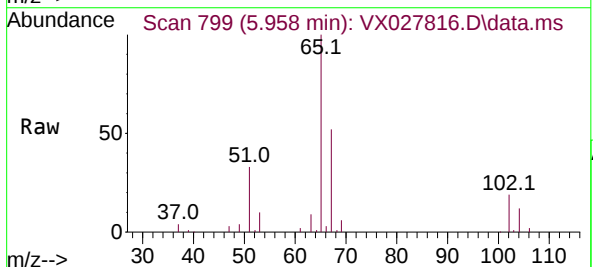
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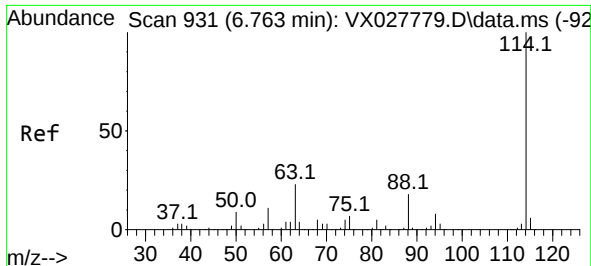
Tgt Ion: 56 Resp: 1675
Ion Ratio Lower Upper
56 100
69 201.5 26.7 40.1#
84 154.4 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 52.172 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX027816.D
Acq: 30 Mar 2022 17:24

Tgt Ion: 65 Resp: 55358
Ion Ratio Lower Upper
65 100
67 52.9 0.0 107.4

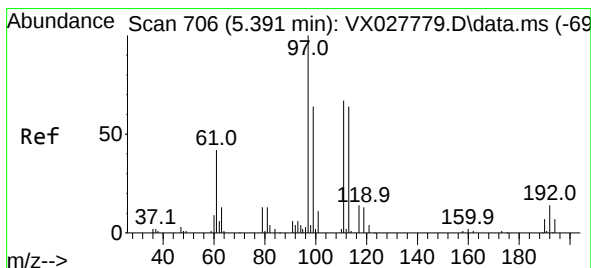
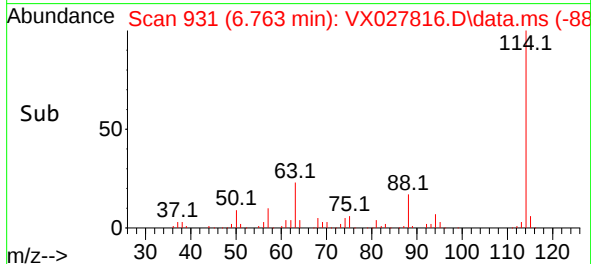
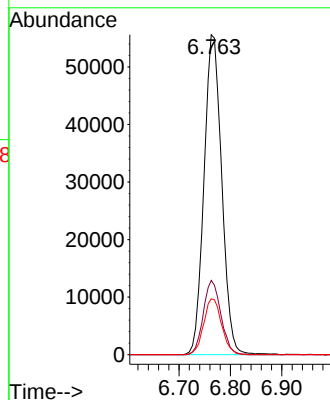
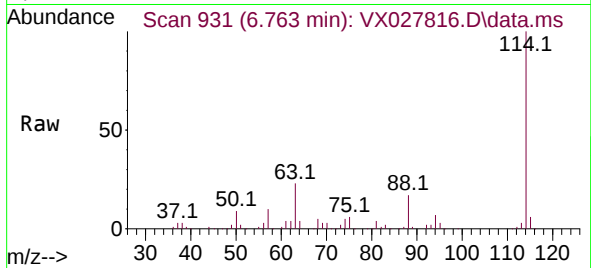




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. -0.000 min
Lab File: VX027816.D
Acq: 30 Mar 2022 17:24

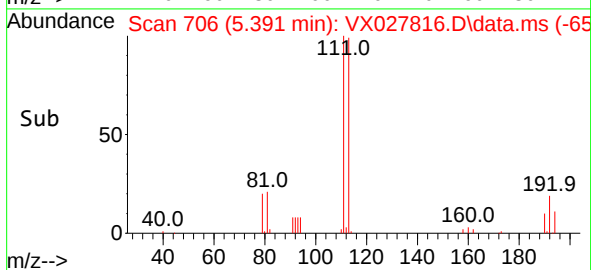
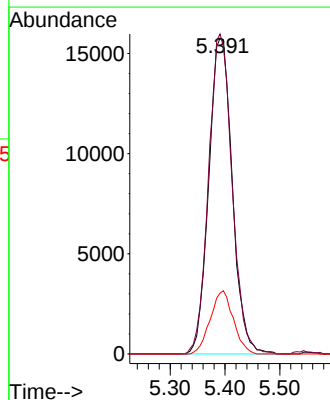
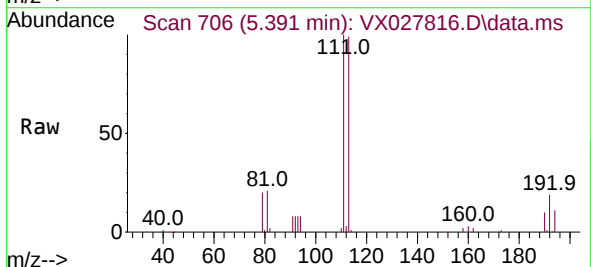
Instrument :
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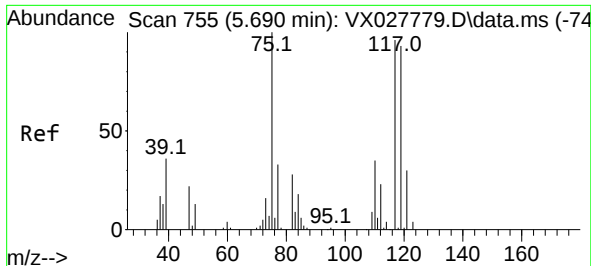
Tgt Ion:114 Resp: 133502
Ion Ratio Lower Upper
114 100
63 23.2 0.0 36.8
88 17.5 0.0 32.4



#35
Dibromofluoromethane
Concen: 54.421 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.000 min
Lab File: VX027816.D
Acq: 30 Mar 2022 17:24

Tgt Ion:113 Resp: 46896
Ion Ratio Lower Upper
113 100
111 101.2 82.8 124.2
192 19.7 16.9 25.3





#36

1,1-Dichloropropene

Concen: 5.841 ug/l

RT: 5.555 min Scan# 71

Delta R.T. -0.135 min

Lab File: VX027816.D

Acq: 30 Mar 2022 17:24

Instrument :

MSVOA_X

ClientSampleId :

TT180D1-20220318

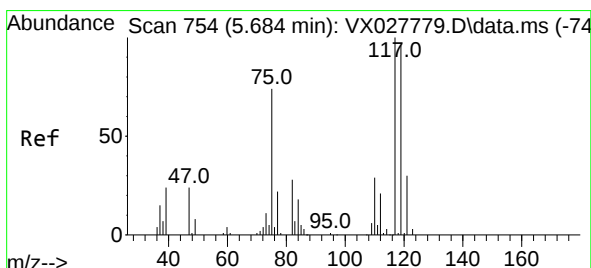
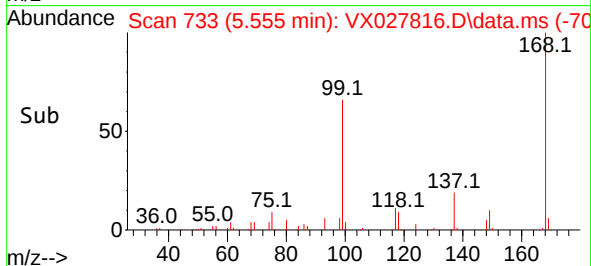
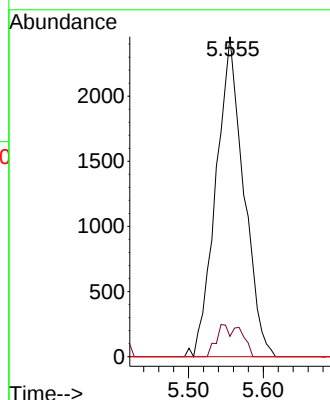
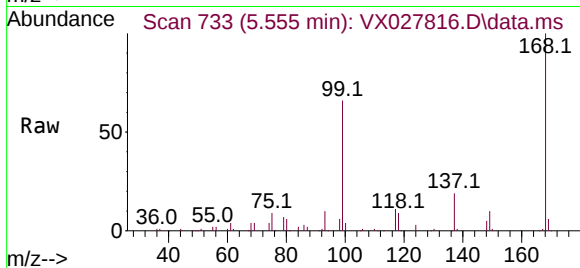
Tgt Ion: 75 Resp: 6340

Ion Ratio Lower Upper

75 100

110 4.9 18.3 54.8#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 7.054 ug/l

RT: 5.555 min Scan# 733

Delta R.T. -0.129 min

Lab File: VX027816.D

Acq: 30 Mar 2022 17:24

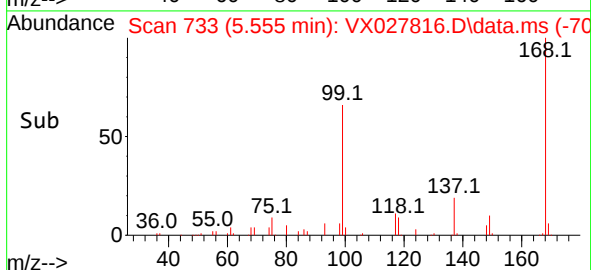
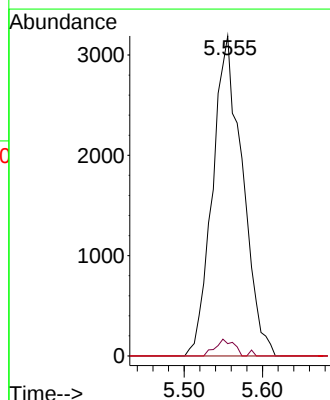
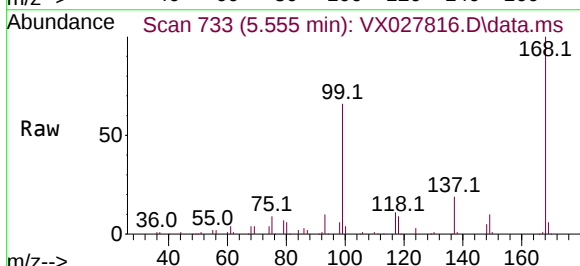
Tgt Ion: 117 Resp: 8458

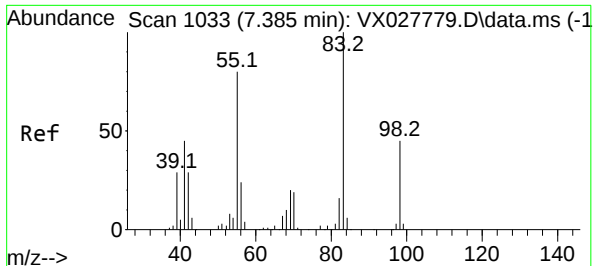
Ion Ratio Lower Upper

117 100

119 3.9 77.3 115.9#

121 0.0 24.2 36.2#





#39

Methylcyclohexane

Concen: 0.872 ug/l

RT: 7.128 min Scan# 991

Delta R.T. -0.257 min

Lab File: VX027816.D

Acq: 30 Mar 2022 17:24

Instrument :

MSVOA_X

ClientSampleId :

TT180D1-20220318

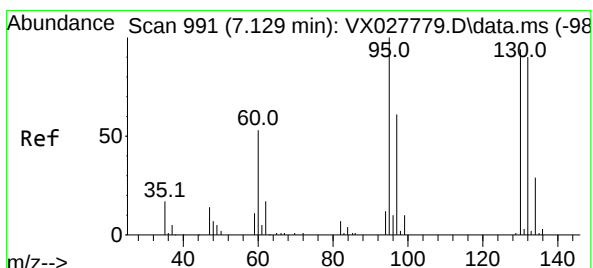
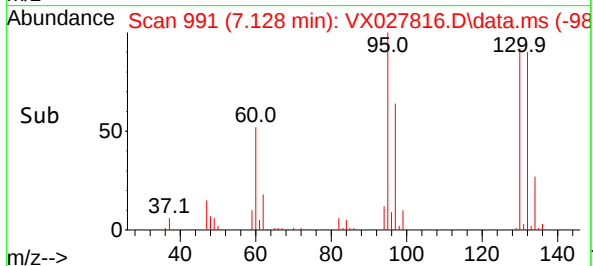
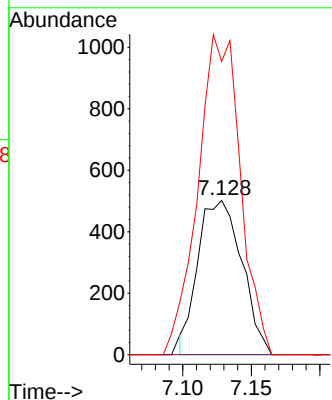
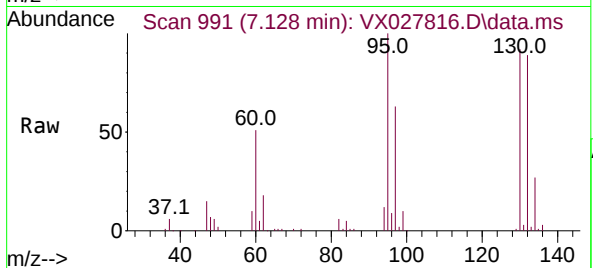
Tgt Ion: 83 Resp: 1114

Ion Ratio Lower Upper

83 100

55 0.0 54.6 81.8#

98 190.0 37.4 56.2#



#44

Trichloroethene

Concen: 90.927 ug/l

RT: 7.128 min Scan# 991

Delta R.T. -0.001 min

Lab File: VX027816.D

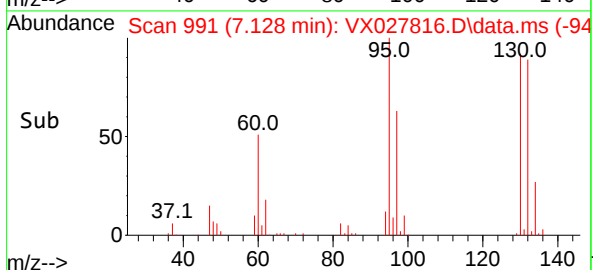
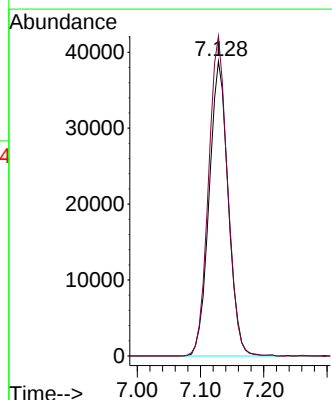
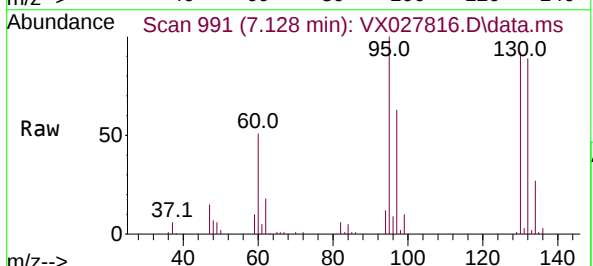
Acq: 30 Mar 2022 17:24

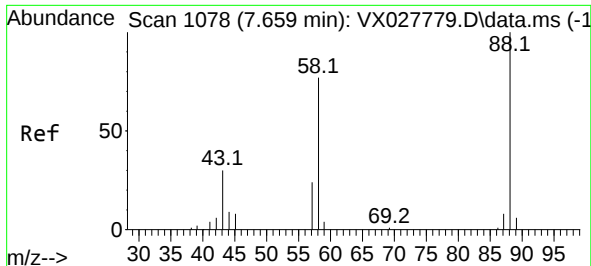
Tgt Ion:130 Resp: 81275

Ion Ratio Lower Upper

130 100

95 108.6 0.0 188.8

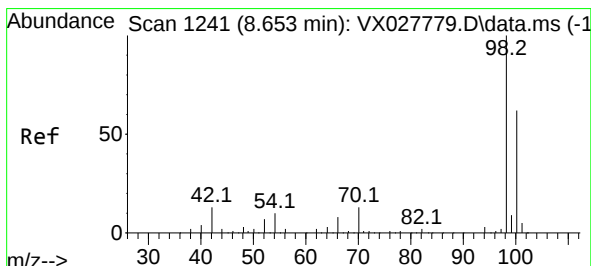
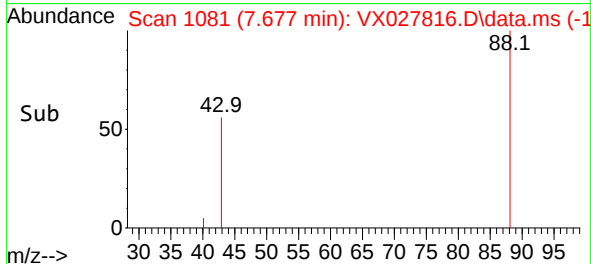
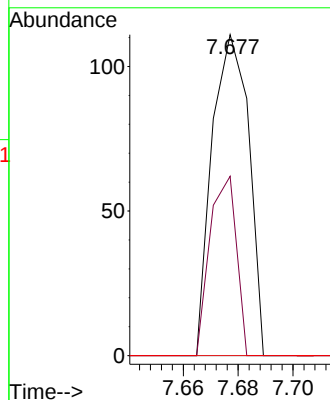
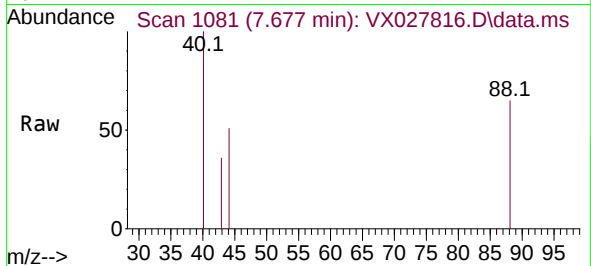




#49
1,4-Dioxane
Concen: 4.617 ug/l
RT: 7.677 min Scan# 1078
Delta R.T. 0.018 min
Lab File: VX027816.D
Acq: 30 Mar 2022 17:24

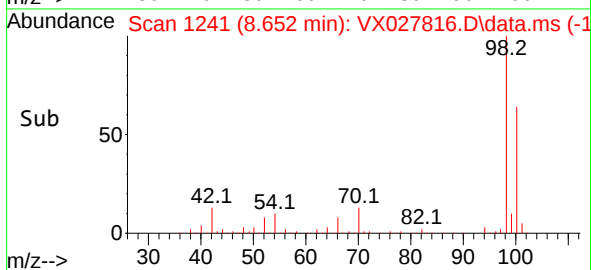
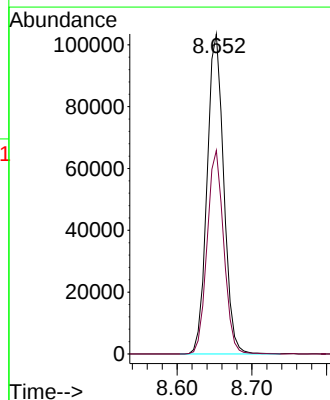
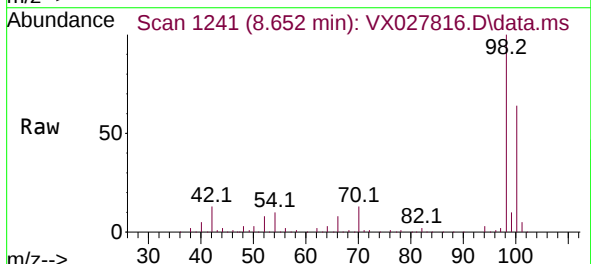
Instrument :
MSVOA_X
ClientSampleId :
TT180D1-20220318

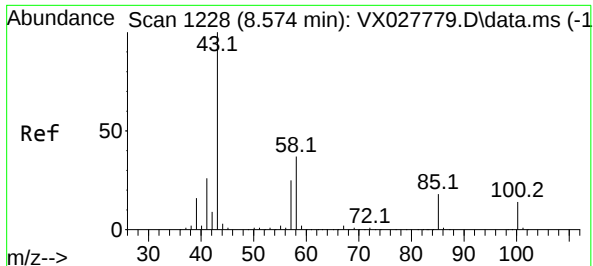
Tgt Ion: 88 Resp: 103
Ion Ratio Lower Upper
88 100
43 40.8 21.9 32.9#
58 0.0 53.7 80.5#



#50
Toluene-d8
Concen: 52.721 ug/l
RT: 8.652 min Scan# 1241
Delta R.T. -0.001 min
Lab File: VX027816.D
Acq: 30 Mar 2022 17:24

Tgt Ion: 98 Resp: 159845
Ion Ratio Lower Upper
98 100
100 63.6 52.6 78.8

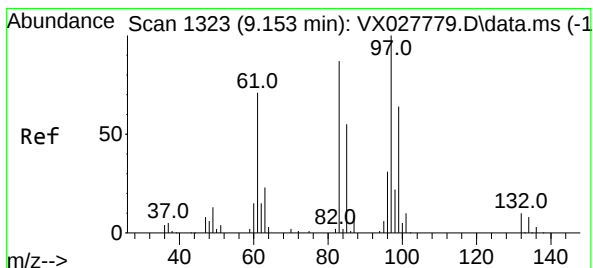
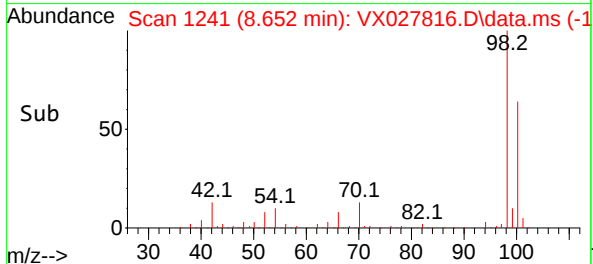
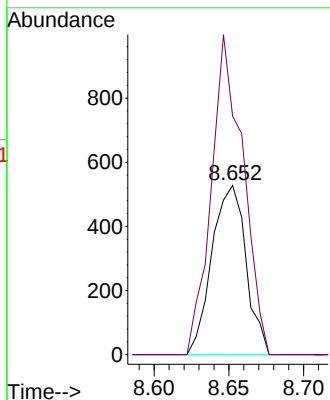
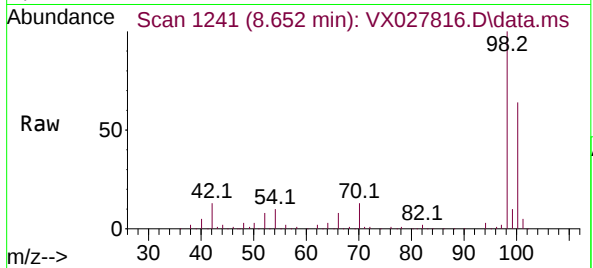




#51
4-Methyl-2-Pentanone
Concen: 0.560 ug/l
RT: 8.652 min Scan# 11
Delta R.T. 0.078 min
Lab File: VX027816.D
Acq: 30 Mar 2022 17:24

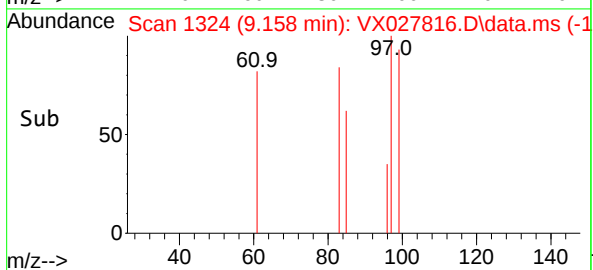
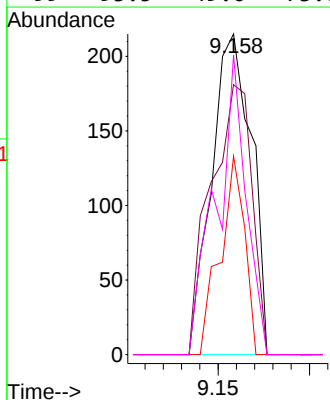
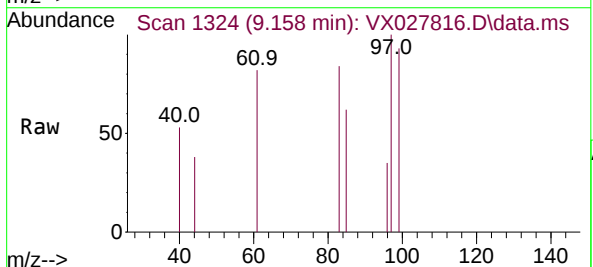
Instrument :
MSVOA_X
ClientSampleId :
TT180D1-20220318

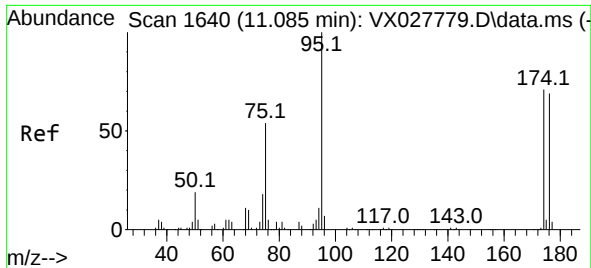
Tgt Ion: 43 Resp: 837
Ion Ratio Lower Upper
43 100
58 175.7 36.1 54.1#



#55
1,1,2-Trichloroethane
Concen: 0.354 ug/l
RT: 9.158 min Scan# 1324
Delta R.T. 0.005 min
Lab File: VX027816.D
Acq: 30 Mar 2022 17:24

Tgt Ion: 97 Resp: 325
Ion Ratio Lower Upper
97 100
83 84.2 66.2 99.4
85 61.9 42.9 64.3
99 93.5 49.0 73.6#

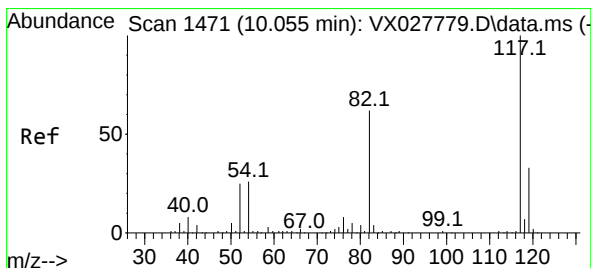
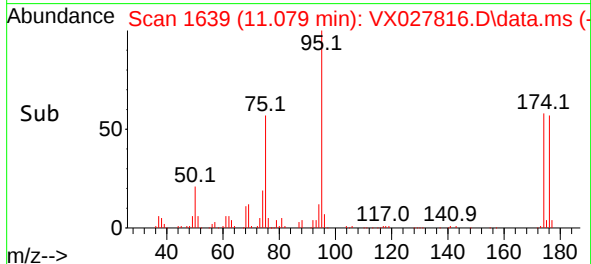
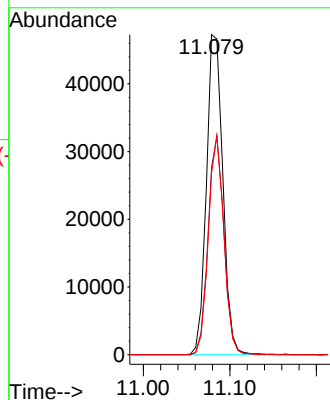
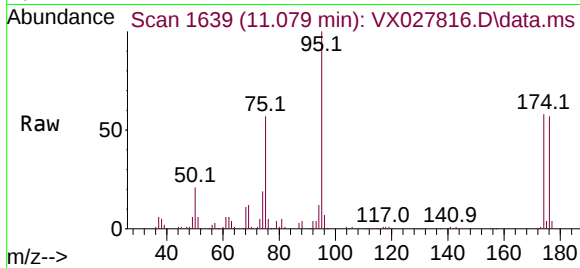




#62
4-Bromofluorobenzene
Concen: 48.270 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX027816.D
Acq: 30 Mar 2022 17:24

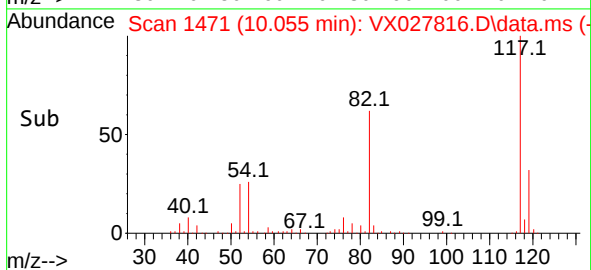
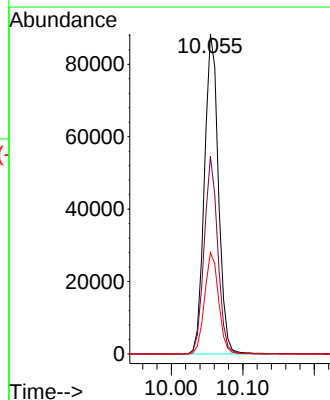
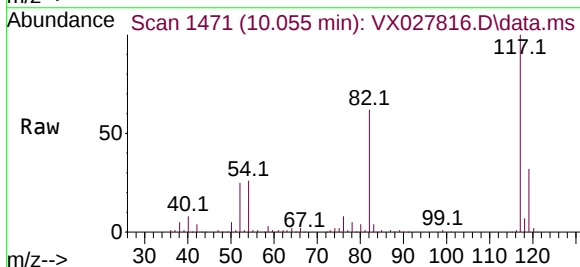
Instrument :
MSVOA_X
ClientSampleId :
TT180D1-20220318

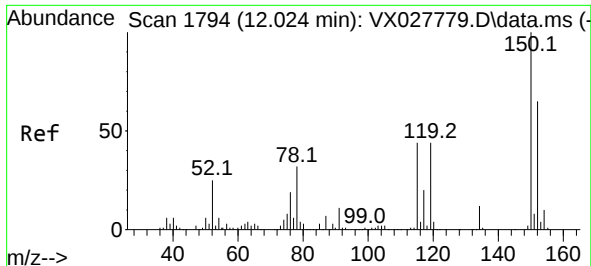
Tgt Ion: 95 Resp: 62194
Ion Ratio Lower Upper
95 100
174 65.9 0.0 163.0
176 64.2 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX027816.D
Acq: 30 Mar 2022 17:24

Tgt Ion: 117 Resp: 120116
Ion Ratio Lower Upper
117 100
82 61.8 41.8 62.8
119 31.7 24.8 37.2

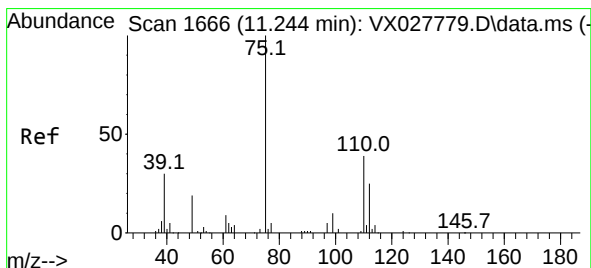
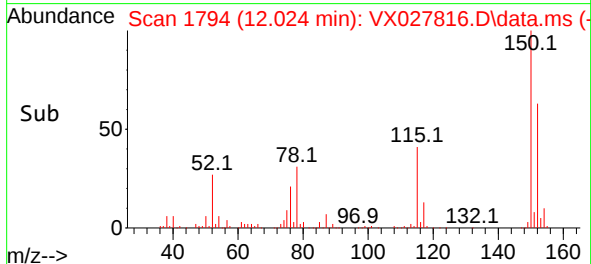
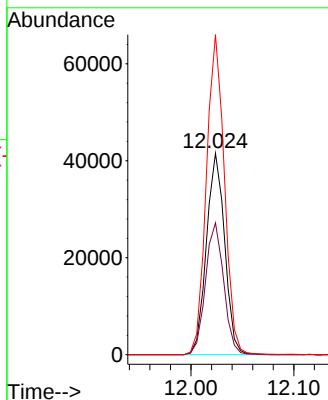
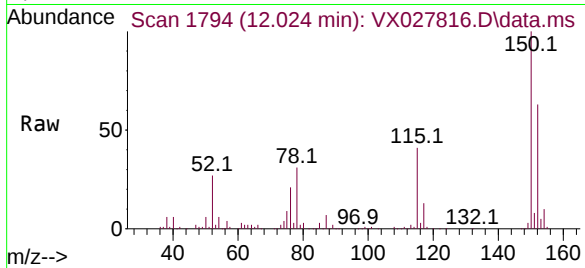




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX027816.D
 Acq: 30 Mar 2022 17:24

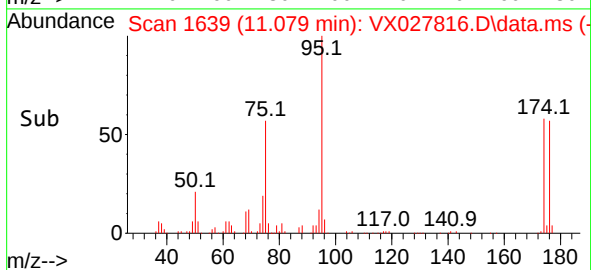
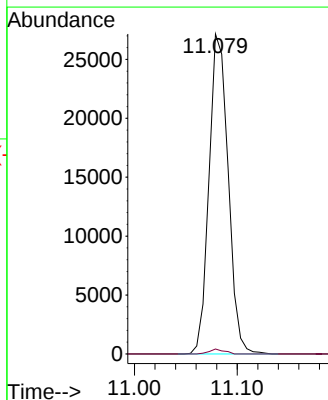
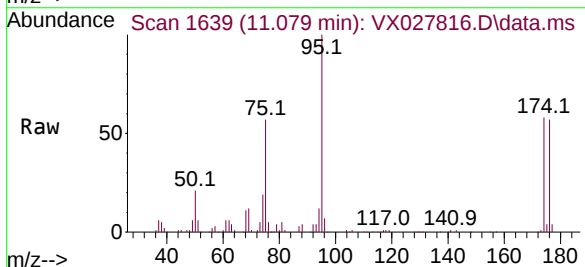
Instrument :
 MSVOA_X
 ClientSampleId :
 TT180D1-20220318

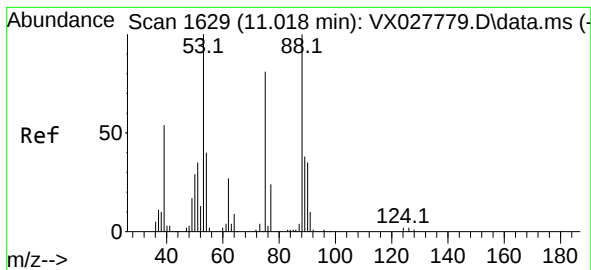
Tgt Ion:152 Resp: 51194
 Ion Ratio Lower Upper
 152 100
 115 65.5 37.5 112.7
 150 156.7 0.0 338.2



#76
 1,2,3-Trichloropropane
 Concen: 29.272 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.165 min
 Lab File: VX027816.D
 Acq: 30 Mar 2022 17:24

Tgt Ion: 75 Resp: 35154
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.4 58.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 85.349 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX027816.D
 Acq: 30 Mar 2022 17:24

Instrument :
 MSVOA_X
 ClientSampleId :
 TT180D1-20220318

Tgt Ion: 75 Resp: 35154
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.0 37.0 55.6#

