

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101922\
 Data File : VX032217.D
 Acq On : 19 Oct 2022 18:55
 Operator : JC/MD
 Sample : N5170-04 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TRE-1662

Quant Time: Oct 20 04:29:33 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101922W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 19 16:51:09 2022
 Response via : Initial Calibration

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

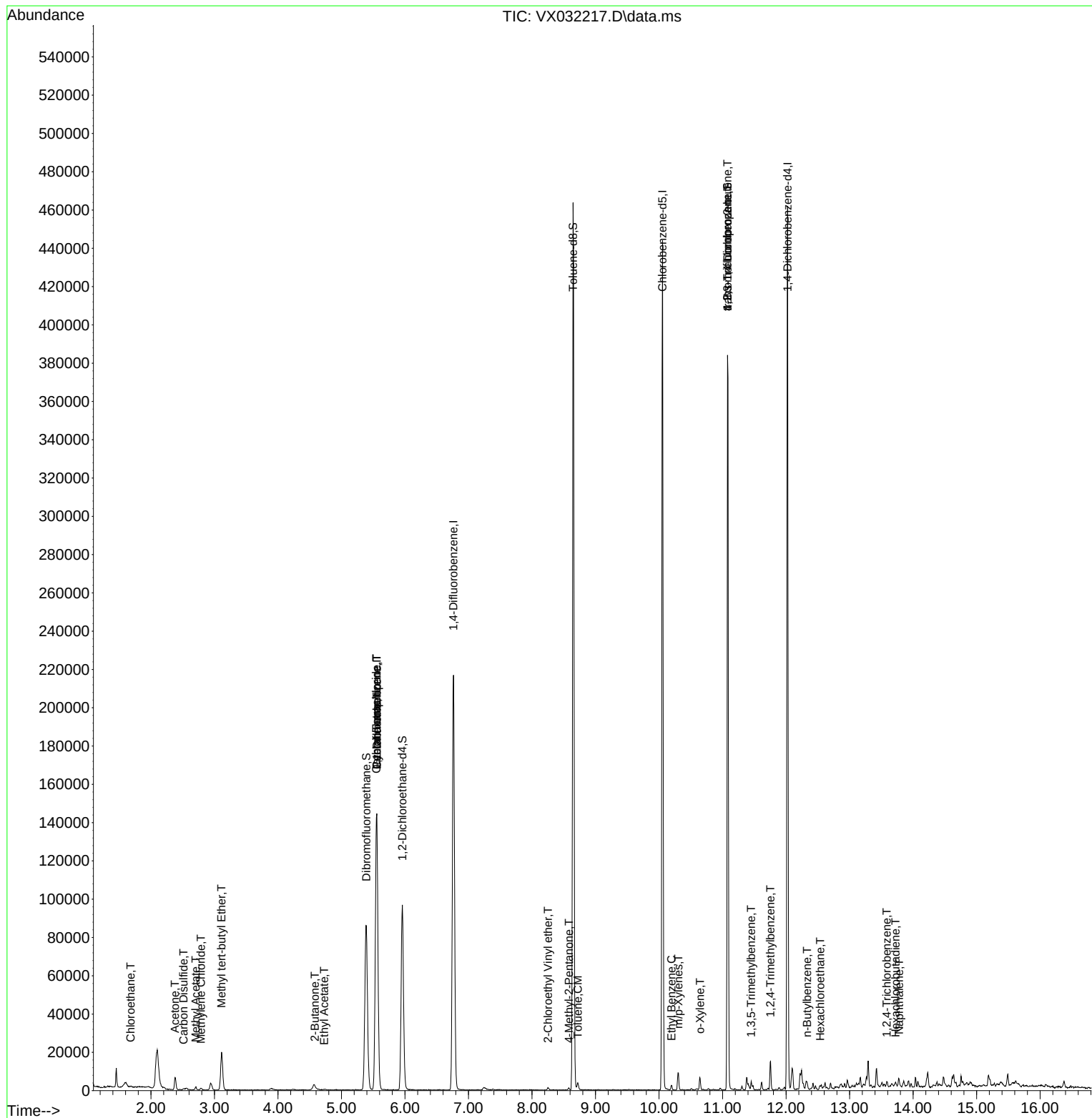
Internal Standards						
1) Pentafluorobenzene	5.556	168	138256	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	219640	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	193314	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	92594	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	94848	52.735	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 105.480%			
35) Dibromofluoromethane	5.391	113	74909	49.011	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.020%			
50) Toluene-d8	8.647	98	273704	49.748	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.500%			
62) 4-Bromofluorobenzene	11.079	95	98472	48.878	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 97.760%			
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	152	Below Cal	#	44
6) Chloroethane	1.678	64	58	1.994	ug/l #	41
11) Tert butyl alcohol	2.940	59	2227	Below Cal	#	74
16) Acetone	2.380	43	7379	12.642	ug/l	89
17) Carbon Disulfide	2.514	76	878	0.304	ug/l	100
18) Methyl Acetate	2.703	43	1674	0.845	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	20694	4.866	ug/l	99
20) Methylene Chloride	2.788	84	512	0.342	ug/l #	83
25) 2-Butanone	4.580	43	792	0.869	ug/l #	48
31) Cyclohexane	5.556	56	2969	1.444	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	10990	5.590	ug/l #	49
37) Ethyl Acetate	4.727	43	759	0.394	ug/l #	71
38) Carbon Tetrachloride	5.550	117	14026	6.758	ug/l #	15
51) 4-Methyl-2-Pentanone	8.580	43	806	0.426	ug/l	93
52) Toluene	8.720	92	1483	0.402	ug/l	90
58) 2-Chloroethyl Vinyl ether	8.250	63	583	0.589	ug/l #	83
67) Ethyl Benzene	10.195	91	1682	0.240	ug/l	91
68) m/p-Xylenes	10.305	106	2029	0.732	ug/l	82
69) o-Xylene	10.646	106	1319	0.497	ug/l	81
76) 1,2,3-Trichloropropane	11.079	75	52554	28.645	ug/l #	45
80) 1,3,5-Trimethylbenzene	11.451	105	1729	0.303	ug/l	95
81) trans-1,4-Dichloro-2-b...	11.079	75	52554	87.784	ug/l #	6
84) 1,2,4-Trimethylbenzene	11.756	105	6612	1.192	ug/l	97
89) n-Butylbenzene	12.329	91	1284	0.248	ug/l #	58
90) Hexachloroethane	12.536	117	243	0.267	ug/l #	11
93) 1,2,4-Trichlorobenzene	13.585	180	403	0.202	ug/l #	65
94) Hexachlorobutadiene	13.725	225	260	0.301	ug/l	78
95) Naphthalene	13.780	128	3241	0.508	ug/l	98

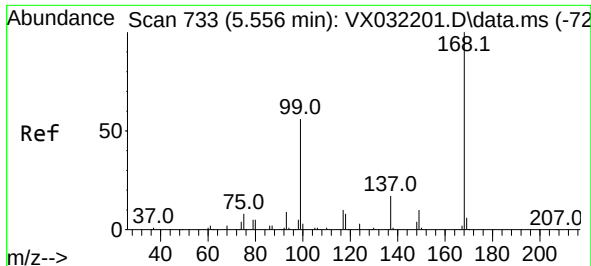
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101922\
Data File : VX032217.D
Acq On : 19 Oct 2022 18:55
Operator : JC/MD
Sample : N5170-04 50X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TRE-1662

Quant Time: Oct 20 04:29:33 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X101922W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 19 16:51:09 2022
Response via : Initial Calibration

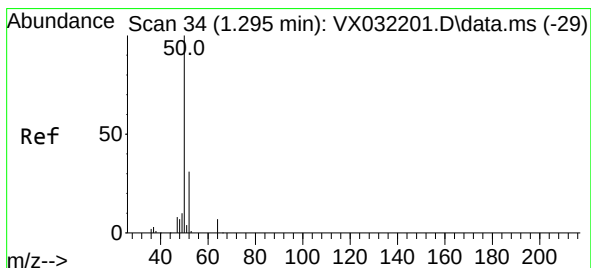
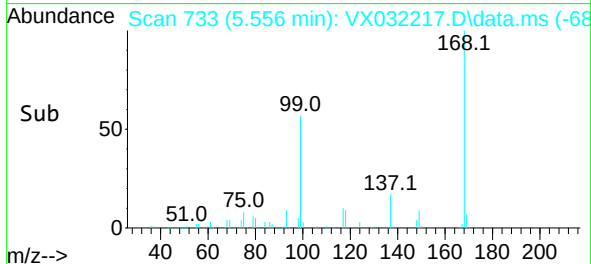
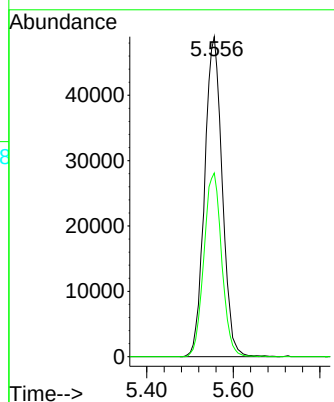
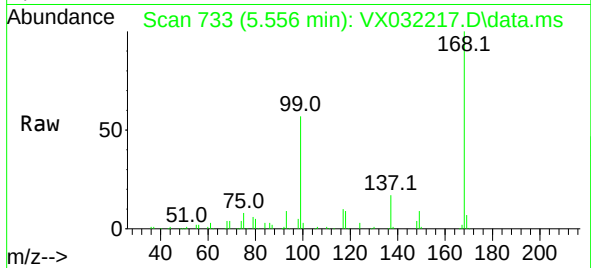




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX032217.D
Acq: 19 Oct 2022 18:55

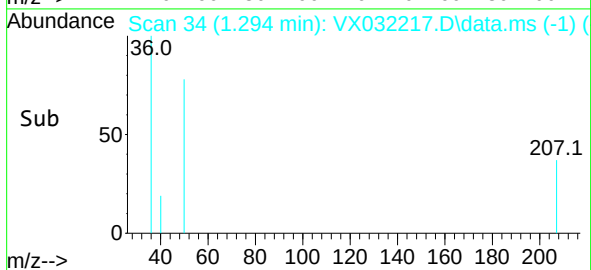
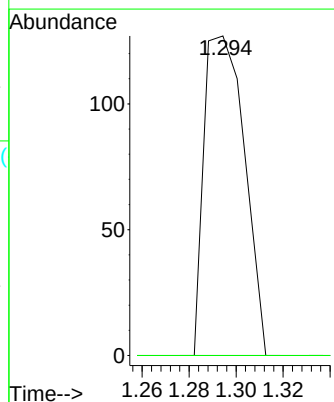
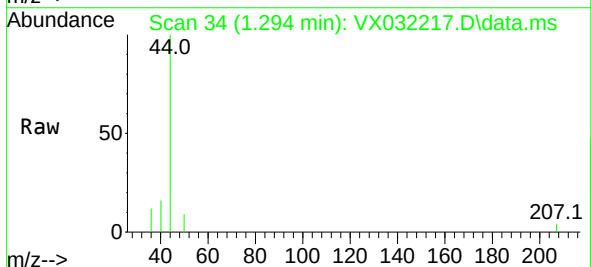
Instrument :
MSVOA_X
ClientSampleId :
TRE-1662

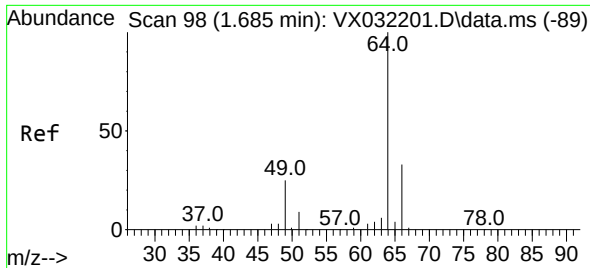
Tgt Ion:168 Resp: 138256
Ion Ratio Lower Upper
168 100
99 57.4 44.8 67.2



#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. -0.001 min
Lab File: VX032217.D
Acq: 19 Oct 2022 18:55

Tgt Ion: 50 Resp: 152
Ion Ratio Lower Upper
50 100
52 0.0 24.7 37.1#

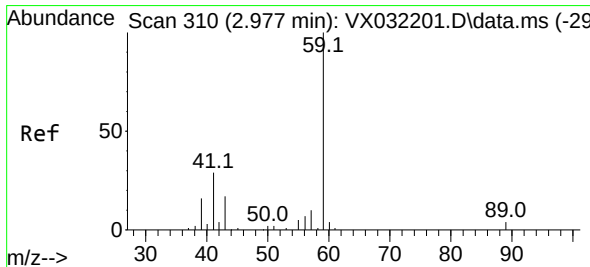
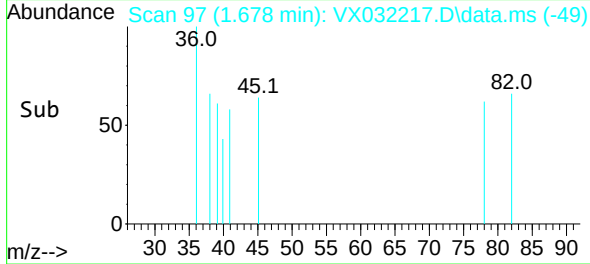
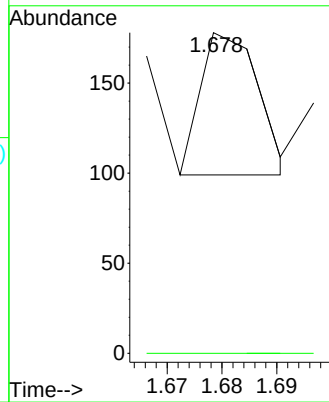
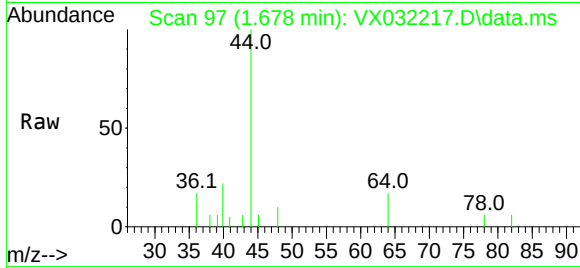




#6
Chloroethane
Concen: 1.994 ug/l
RT: 1.678 min Scan# 91
Delta R.T. -0.007 min
Lab File: VX032217.D
Acq: 19 Oct 2022 18:55

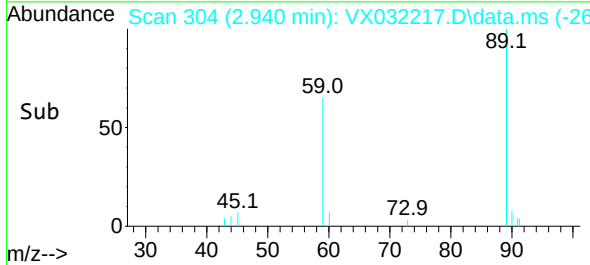
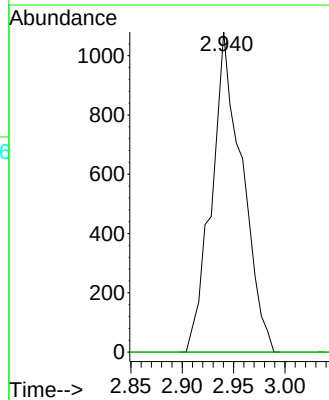
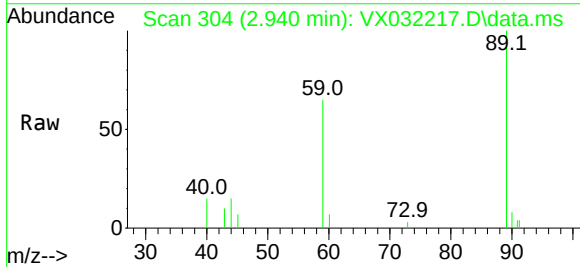
Instrument :
MSVOA_X
ClientSampleId :
TRE-1662

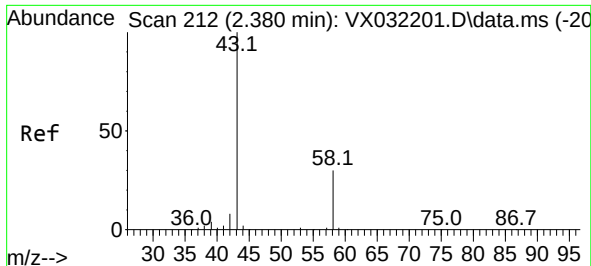
Tgt Ion: 64 Resp: 58
Ion Ratio Lower Upper
64 100
66 0.0 26.6 39.8#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.940 min Scan# 304
Delta R.T. -0.037 min
Lab File: VX032217.D
Acq: 19 Oct 2022 18:55

Tgt Ion: 59 Resp: 2227
Ion Ratio Lower Upper
59 100
57 0.0 7.5 11.3#

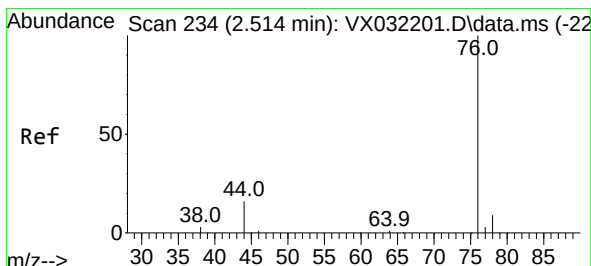
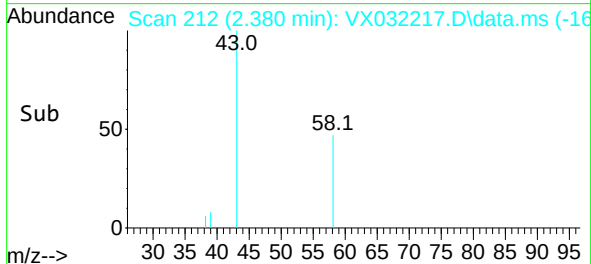
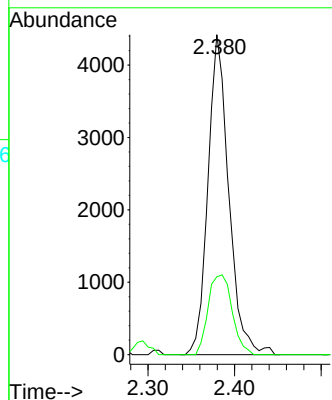
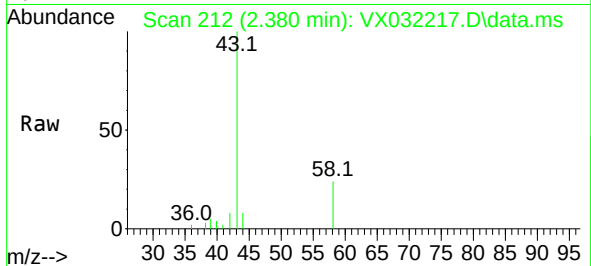




#16
Acetone
Concen: 12.642 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX032217.D
Acq: 19 Oct 2022 18:55

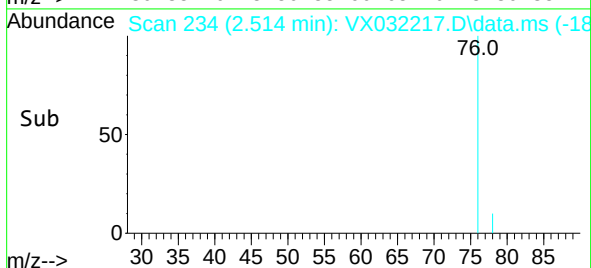
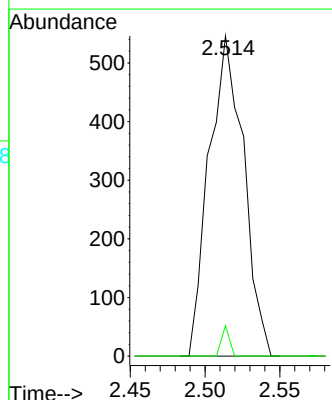
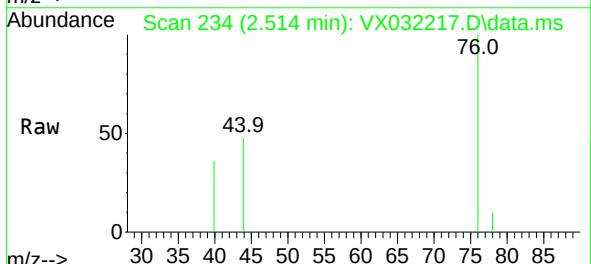
Instrument :
MSVOA_X
ClientSampleId :
TRE-1662

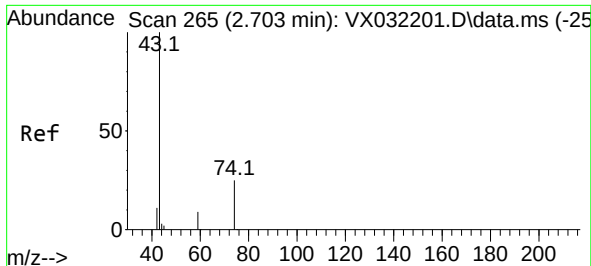
Tgt Ion: 43 Resp: 7379
Ion Ratio Lower Upper
43 100
58 24.3 24.2 36.2



#17
Carbon Disulfide
Concen: 0.304 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX032217.D
Acq: 19 Oct 2022 18:55

Tgt Ion: 76 Resp: 878
Ion Ratio Lower Upper
76 100
78 9.5 7.6 11.4

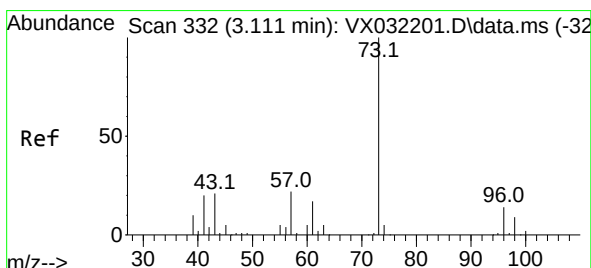
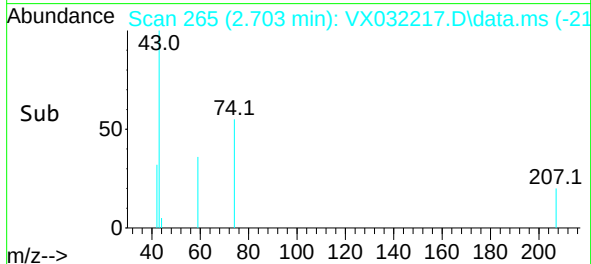
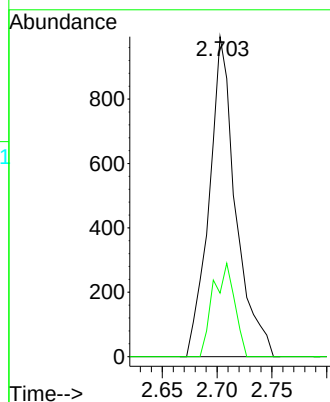
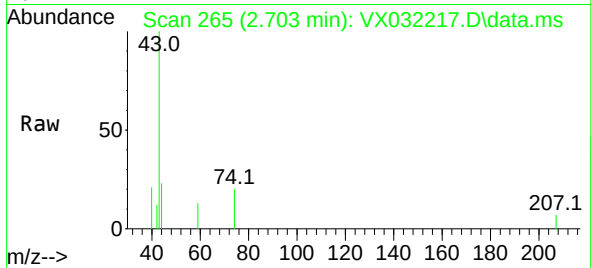




#18
Methyl Acetate
Concen: 0.845 ug/l
RT: 2.703 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX032217.D
Acq: 19 Oct 2022 18:55

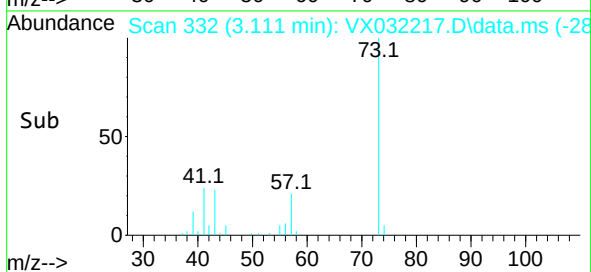
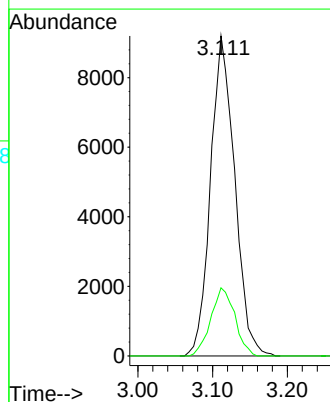
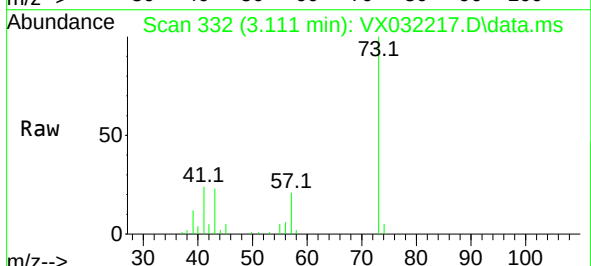
Instrument :
MSVOA_X
ClientSampleId :
TRE-1662

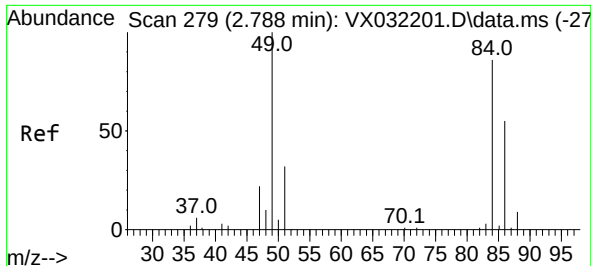
Tgt Ion: 43 Resp: 1674
Ion Ratio Lower Upper
43 100
74 23.6 19.8 29.8



#19
Methyl tert-butyl Ether
Concen: 4.866 ug/l
RT: 3.111 min Scan# 332
Delta R.T. 0.000 min
Lab File: VX032217.D
Acq: 19 Oct 2022 18:55

Tgt Ion: 73 Resp: 20694
Ion Ratio Lower Upper
73 100
57 21.3 17.4 26.2

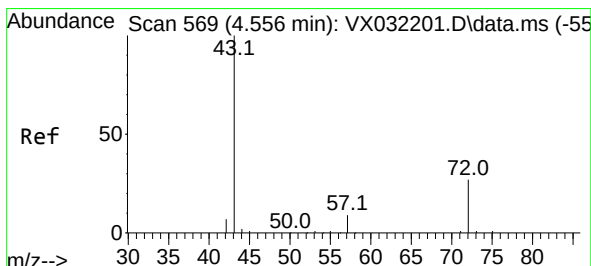
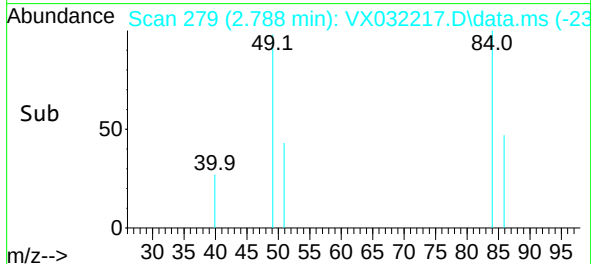
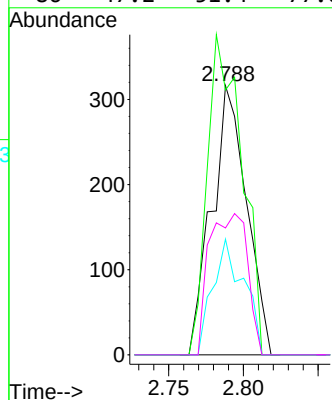
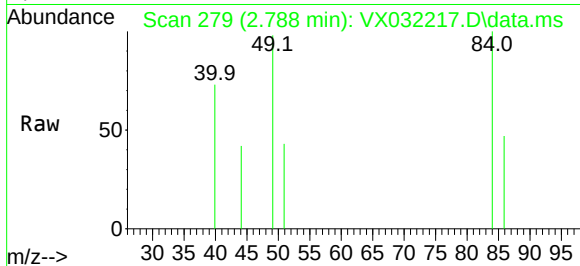




#20
Methylene Chloride
Concen: 0.342 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX032217.D
Acq: 19 Oct 2022 18:55

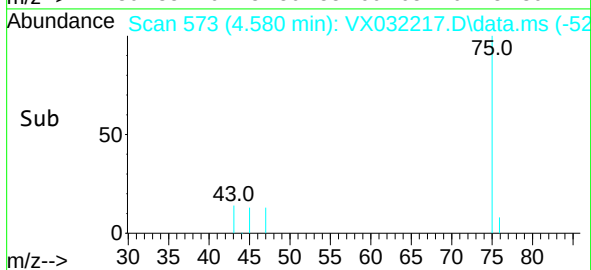
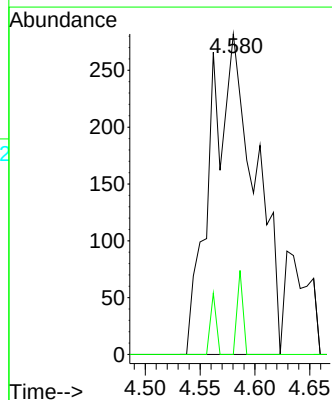
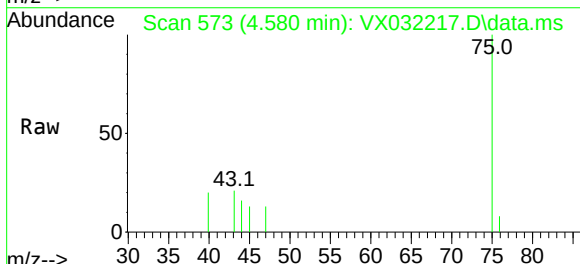
Instrument :
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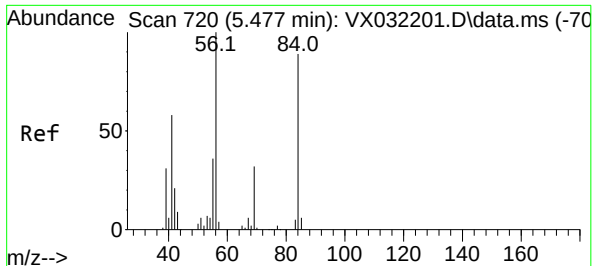
Tgt Ion: 84	Resp: 512
Ion Ratio	Lower Upper
84 100	
49 98.4	92.6 139.0
51 43.0	29.2 43.8
86 47.2	51.4 77.0#



#25
2-Butanone
Concen: 0.869 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.024 min
Lab File: VX032217.D
Acq: 19 Oct 2022 18:55

Tgt Ion: 43	Resp: 792		
Ion Ratio	Lower	Upper	
43 100			
72 0.0	21.7	32.5#	

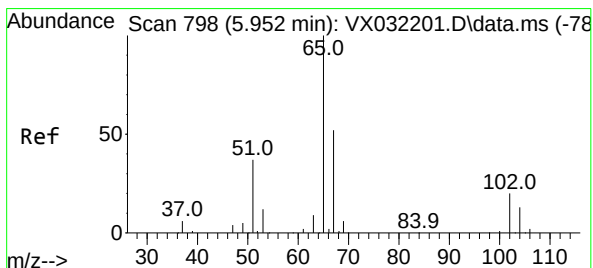
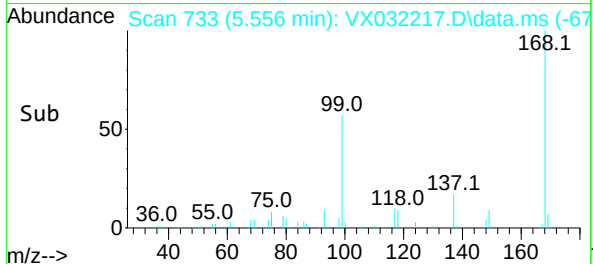
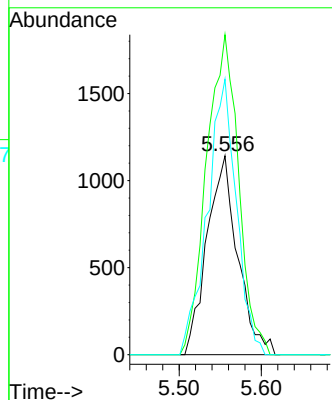
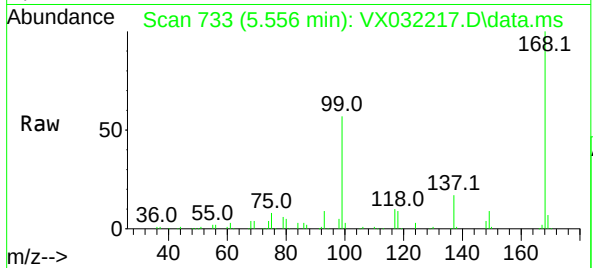




#31
Cyclohexane
Concen: 1.444 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.079 min
Lab File: VX032217.D
Acq: 19 Oct 2022 18:55

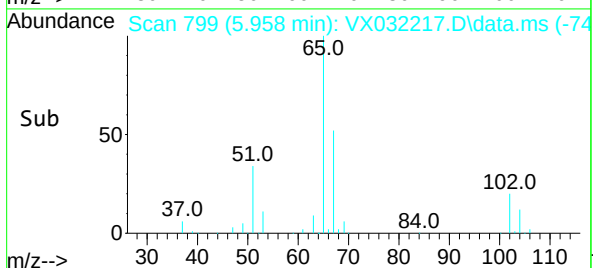
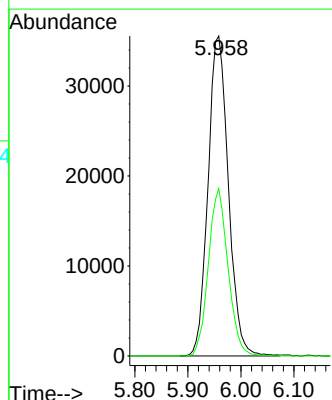
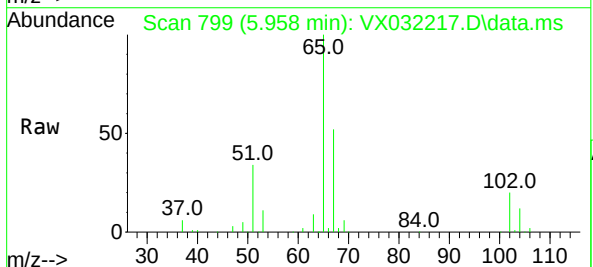
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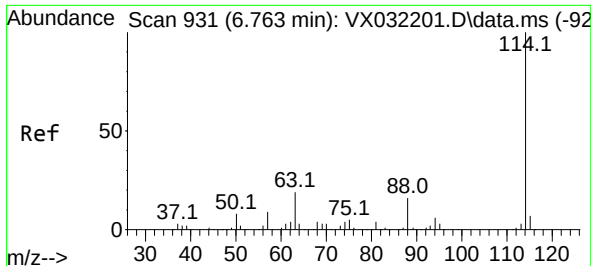
Tgt Ion: 56 Resp: 2969
Ion Ratio Lower Upper
56 100
69 160.9 25.4 38.0#
84 138.6 71.2 106.8#



#33
1,2-Dichloroethane-d4
Concen: 52.735 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX032217.D
Acq: 19 Oct 2022 18:55

Tgt Ion: 65 Resp: 94848
Ion Ratio Lower Upper
65 100
67 50.5 0.0 103.6

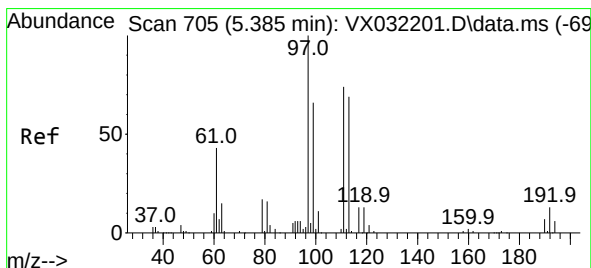
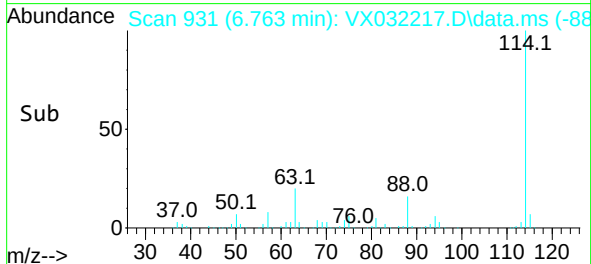
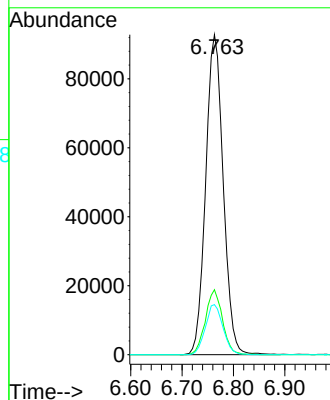
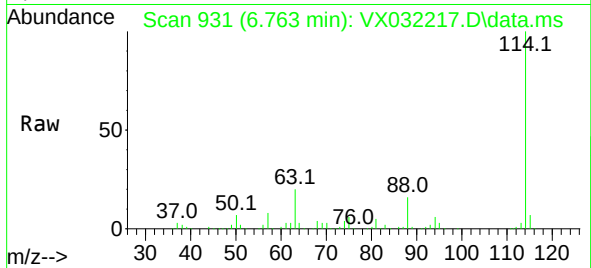




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX032217.D
Acq: 19 Oct 2022 18:55

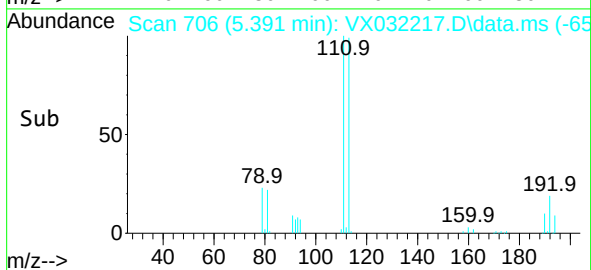
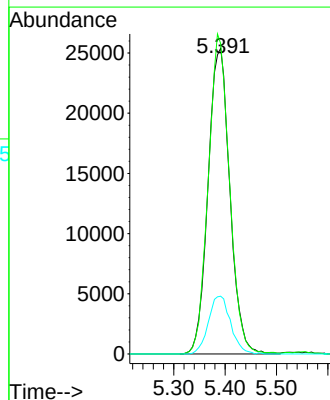
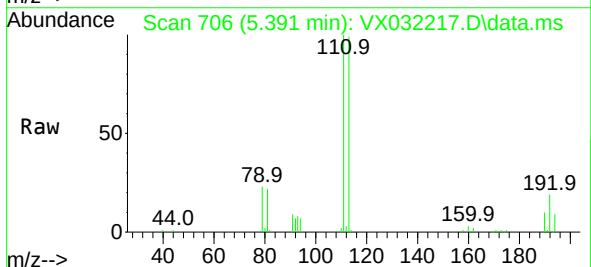
Instrument :
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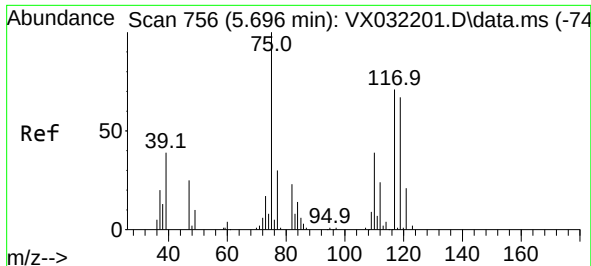
Tgt Ion:114 Resp: 219640
Ion Ratio Lower Upper
114 100
63 20.3 0.0 38.6
88 15.6 0.0 32.6



#35
Dibromofluoromethane
Concen: 49.011 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX032217.D
Acq: 19 Oct 2022 18:55

Tgt Ion:113 Resp: 74909
Ion Ratio Lower Upper
113 100
111 101.3 82.8 124.2
192 19.1 15.5 23.3

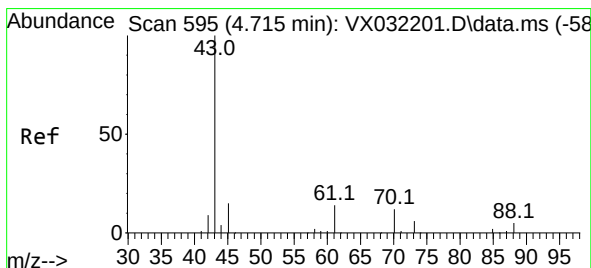
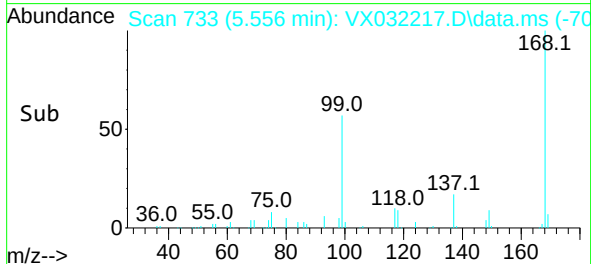
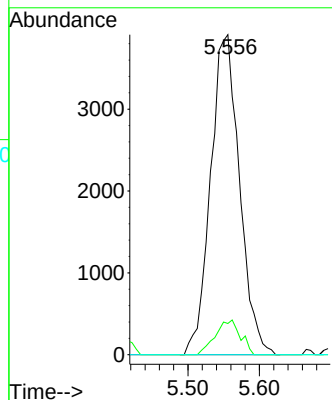
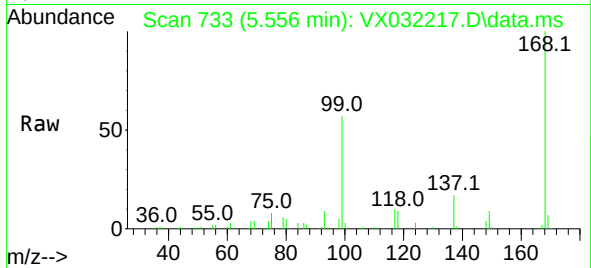




#36
1,1-Dichloropropene
Concen: 5.590 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX032217.D
Acq: 19 Oct 2022 18:55

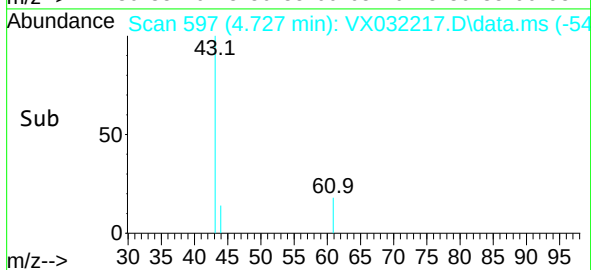
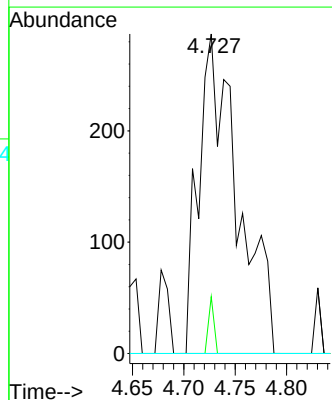
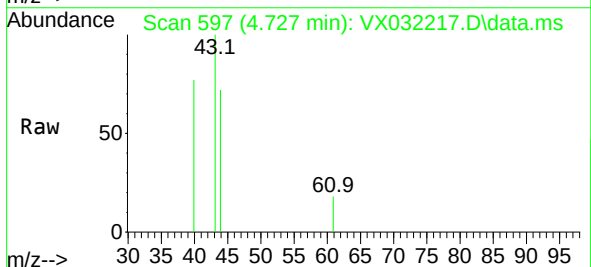
Instrument :
MSVOA_X
ClientSampleId :
TRE-1662

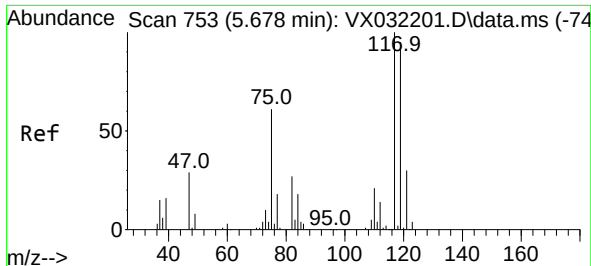
Tgt Ion: 75 Resp: 10990
Ion Ratio Lower Upper
75 100
110 9.4 18.4 55.0#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 0.394 ug/l
RT: 4.727 min Scan# 597
Delta R.T. 0.012 min
Lab File: VX032217.D
Acq: 19 Oct 2022 18:55

Tgt Ion: 43 Resp: 759
Ion Ratio Lower Upper
43 100
61 2.5 11.4 17.2#
70 0.0 8.8 13.2#

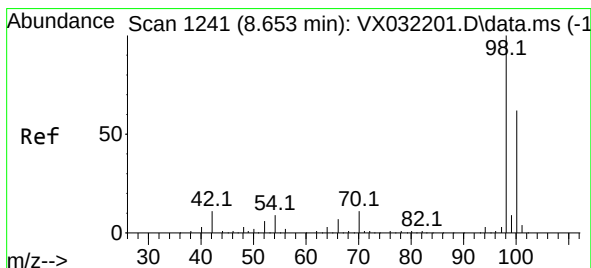
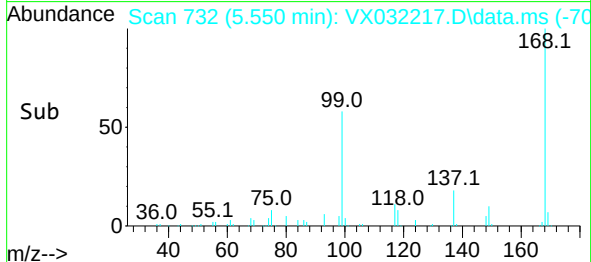
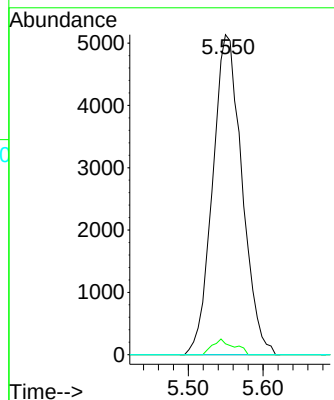
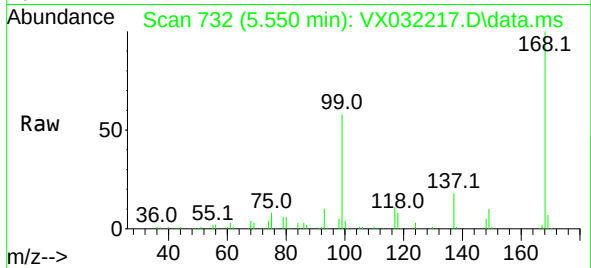




#38
Carbon Tetrachloride
Concen: 6.758 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX032217.D
Acq: 19 Oct 2022 18:55

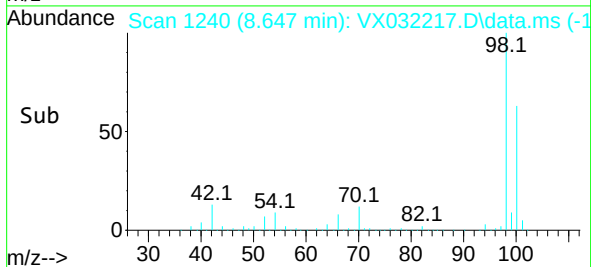
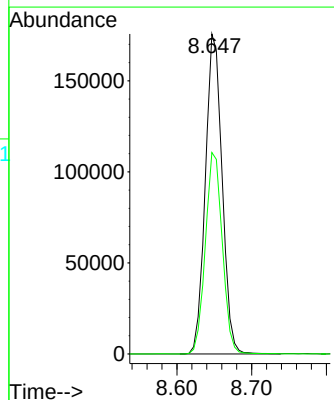
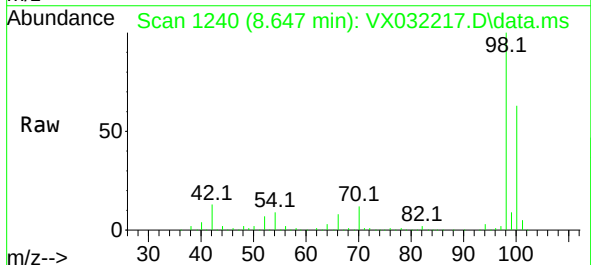
Instrument :
MSVOA_X
ClientSampleId :
TRE-1662

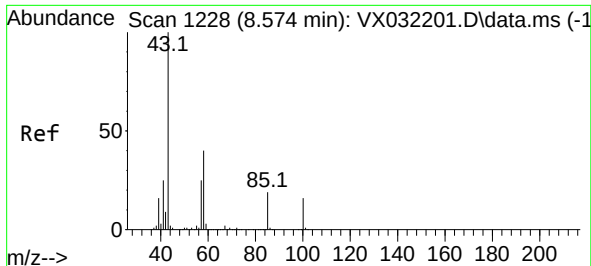
Tgt Ion:117 Resp: 14026
Ion Ratio Lower Upper
117 100
119 3.4 75.4 113.0#
121 0.0 23.9 35.9#



#50
Toluene-d8
Concen: 49.748 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX032217.D
Acq: 19 Oct 2022 18:55

Tgt Ion: 98 Resp: 273704
Ion Ratio Lower Upper
98 100
100 63.7 50.7 76.1





#51

4-Methyl-2-Pentanone

Concen: 0.426 ug/l

RT: 8.580 min Scan# 1229

Delta R.T. 0.006 min

Lab File: VX032217.D

Acq: 19 Oct 2022 18:55

Instrument :

MSVOA_X

ClientSampleId :

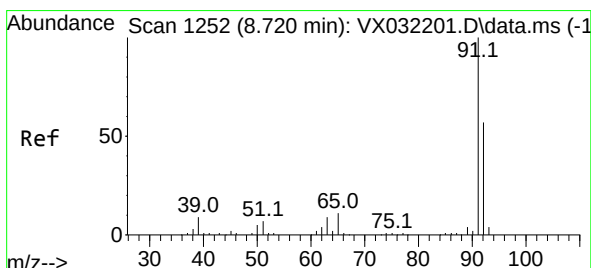
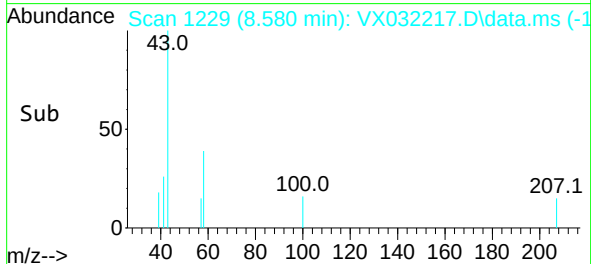
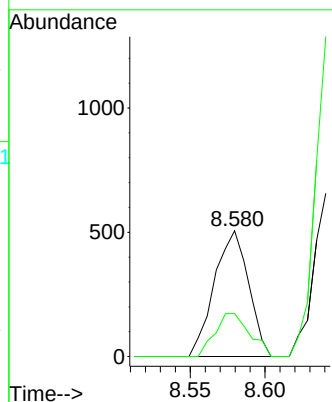
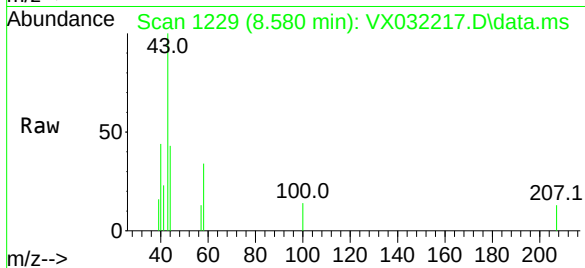
TRE-1662

Tgt Ion: 43 Resp: 806

Ion Ratio Lower Upper

43 100

58 34.6 31.0 46.4



#52

Toluene

Concen: 0.402 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. -0.000 min

Lab File: VX032217.D

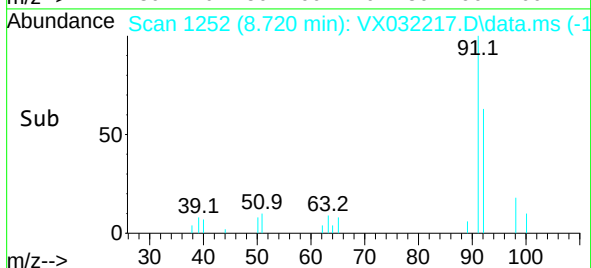
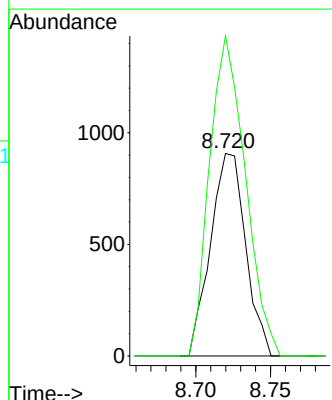
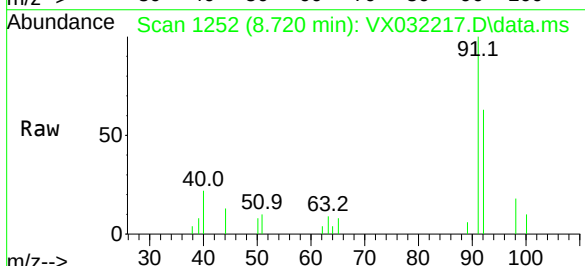
Acq: 19 Oct 2022 18:55

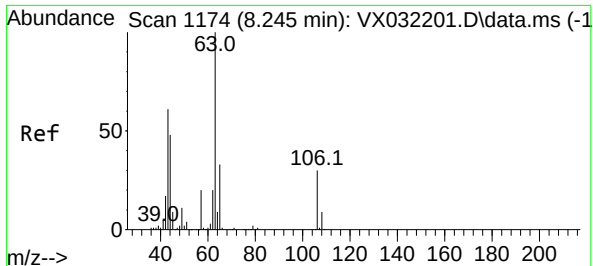
Tgt Ion: 92 Resp: 1483

Ion Ratio Lower Upper

92 100

91 161.1 140.3 210.5

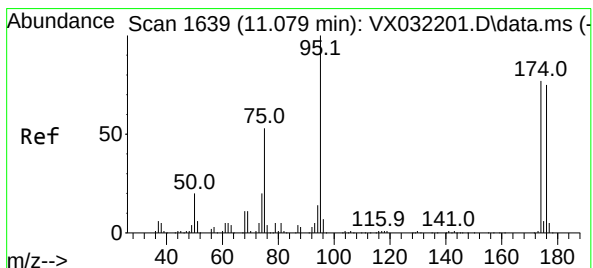
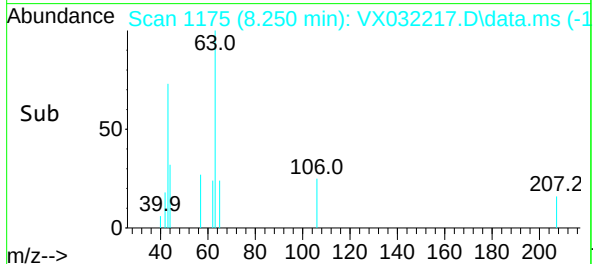
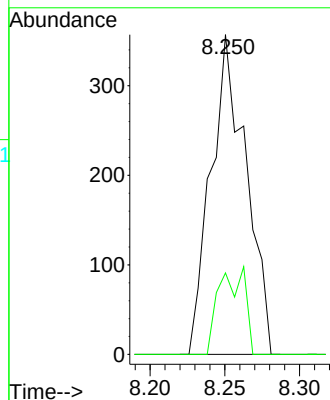
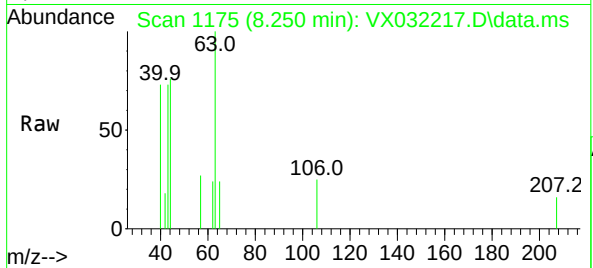




#58
2-Chloroethyl Vinyl ether
Concen: 0.589 ug/l
RT: 8.250 min Scan# 1175
Delta R.T. 0.005 min
Lab File: VX032217.D
Acq: 19 Oct 2022 18:55

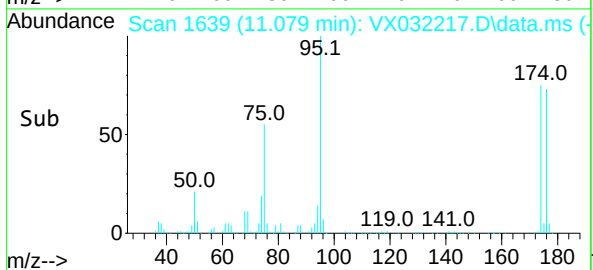
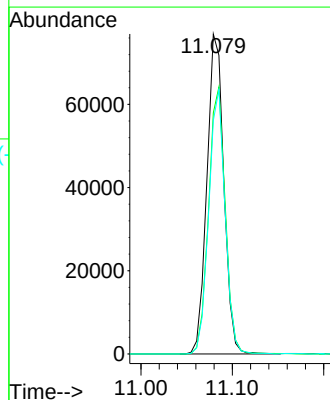
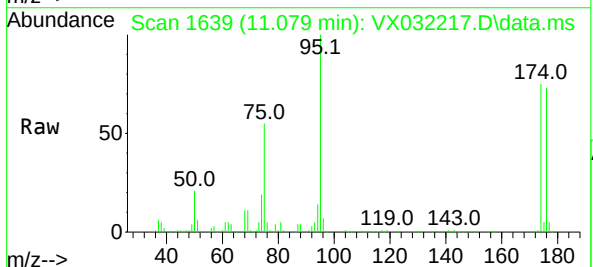
Instrument :
MSVOA_X
ClientSampleId :
TRE-1662

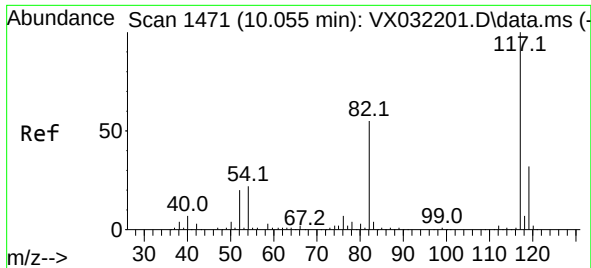
Tgt Ion: 63 Resp: 583
Ion Ratio Lower Upper
63 100
106 20.2 23.6 35.4#



#62
4-Bromofluorobenzene
Concen: 48.878 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX032217.D
Acq: 19 Oct 2022 18:55

Tgt Ion: 95 Resp: 98472
Ion Ratio Lower Upper
95 100
174 82.5 0.0 166.8
176 79.9 0.0 161.4

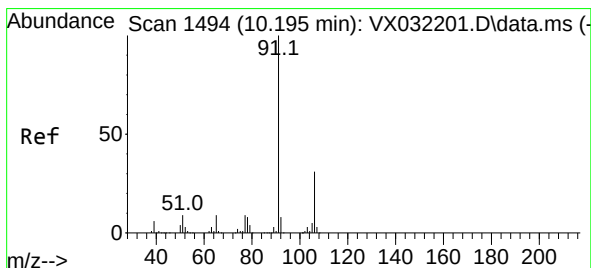
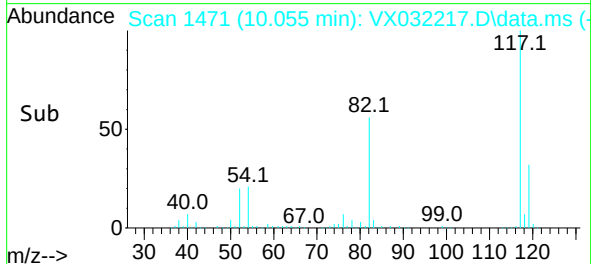
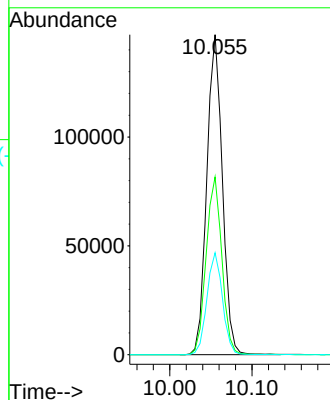
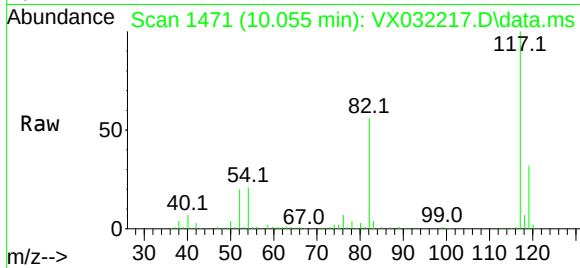




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX032217.D
Acq: 19 Oct 2022 18:55

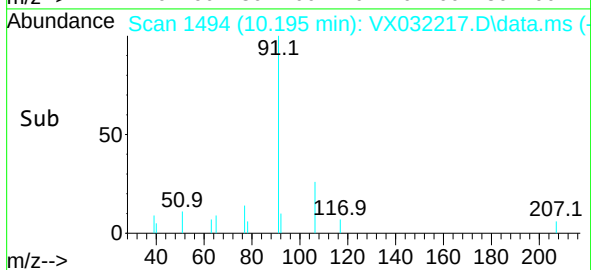
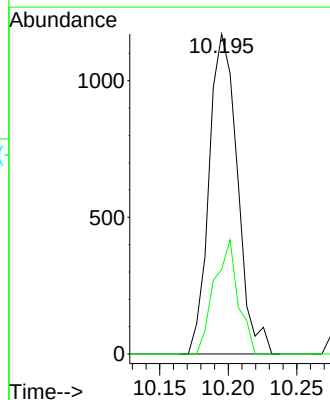
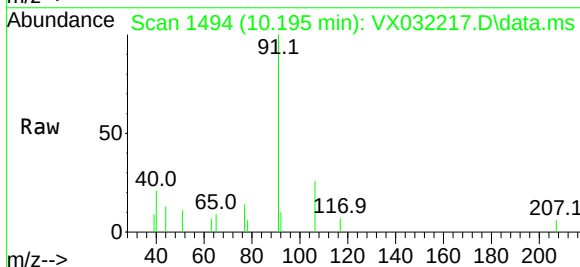
Instrument :
MSVOA_X
ClientSampleId :
TRE-1662

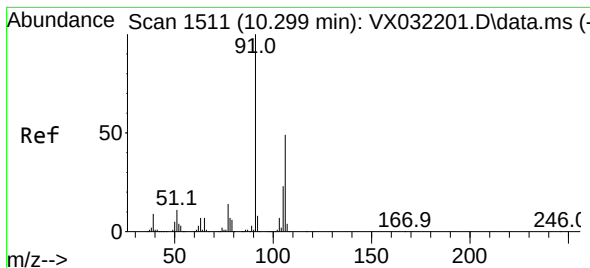
Tgt Ion:117 Resp: 193314
Ion Ratio Lower Upper
117 100
82 55.5 44.2 66.4
119 31.9 25.8 38.8



#67
Ethyl Benzene
Concen: 0.240 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX032217.D
Acq: 19 Oct 2022 18:55

Tgt Ion: 91 Resp: 1682
Ion Ratio Lower Upper
91 100
106 26.5 25.0 37.4

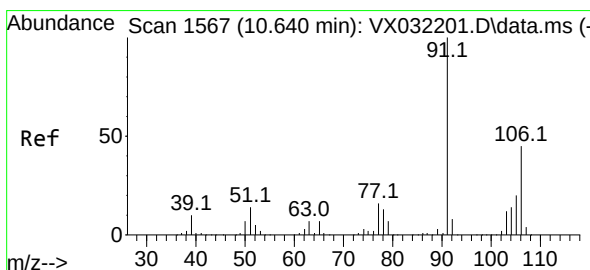
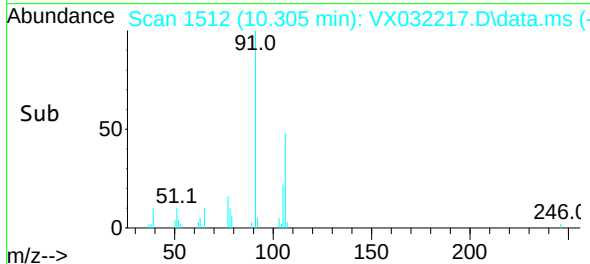
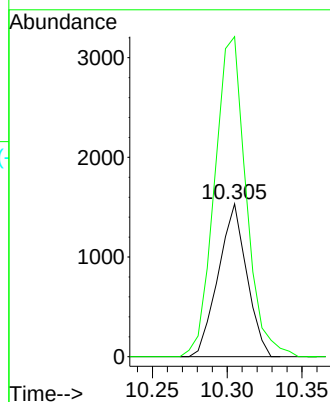
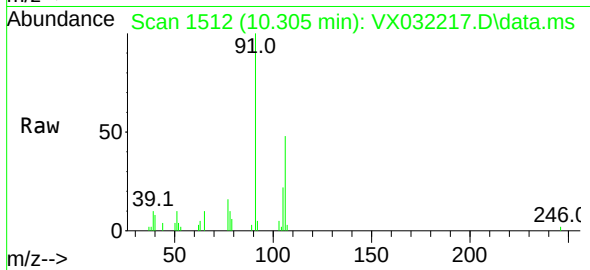




#68
m/p-Xylenes
Concen: 0.732 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX032217.D
Acq: 19 Oct 2022 18:55

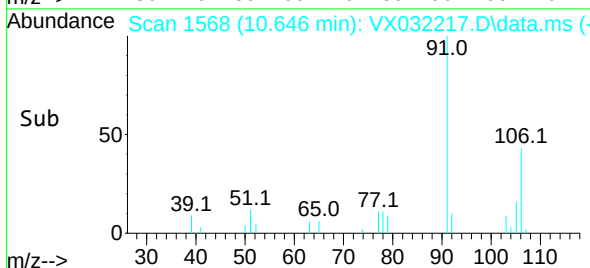
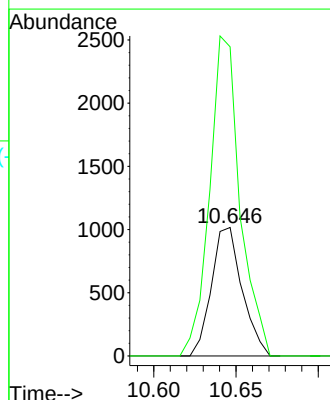
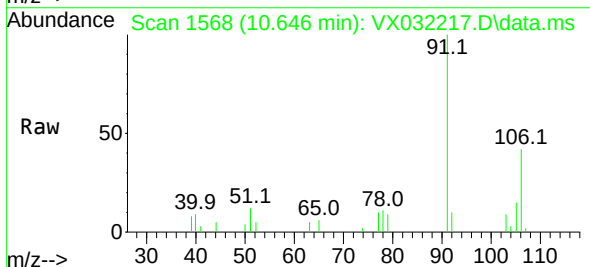
Instrument :
MSVOA_X
ClientSampleId :
TRE-1662

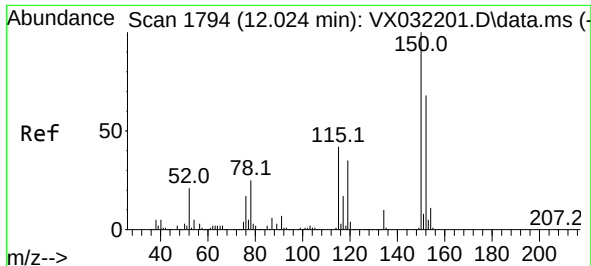
Tgt Ion:106 Resp: 2029
Ion Ratio Lower Upper
106 100
91 231.5 162.6 244.0



#69
o-Xylene
Concen: 0.497 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. 0.006 min
Lab File: VX032217.D
Acq: 19 Oct 2022 18:55

Tgt Ion:106 Resp: 1319
Ion Ratio Lower Upper
106 100
91 246.6 108.3 324.9

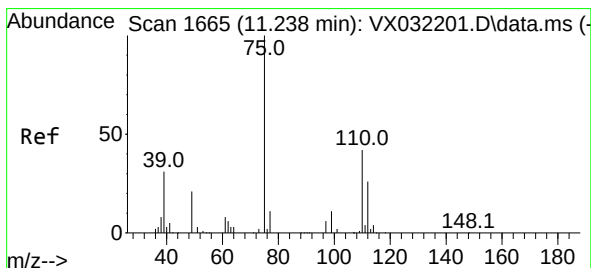
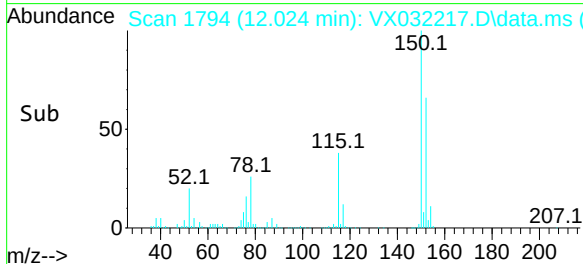
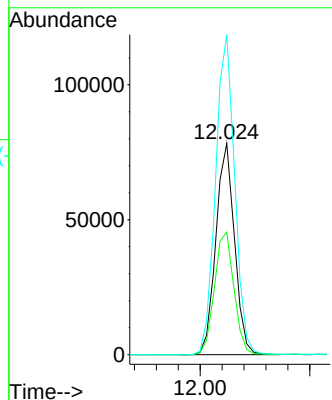
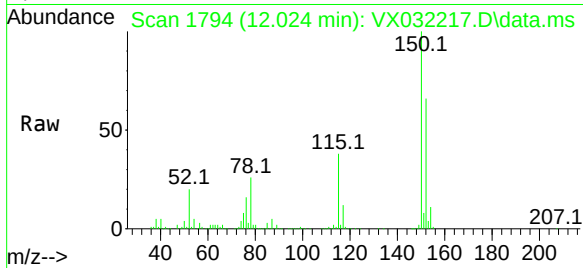




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX032217.D
Acq: 19 Oct 2022 18:55

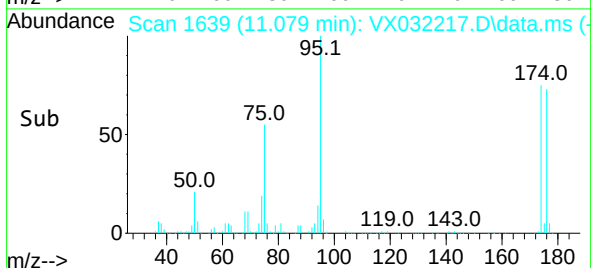
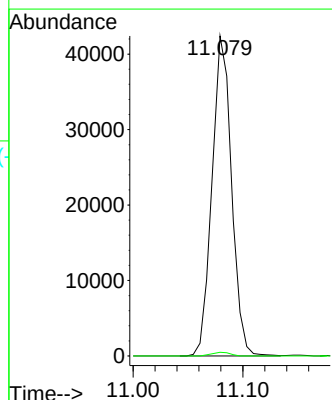
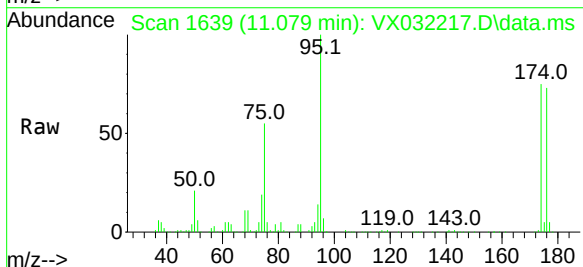
Instrument :
MSVOA_X
ClientSampleId :
TRE-1662

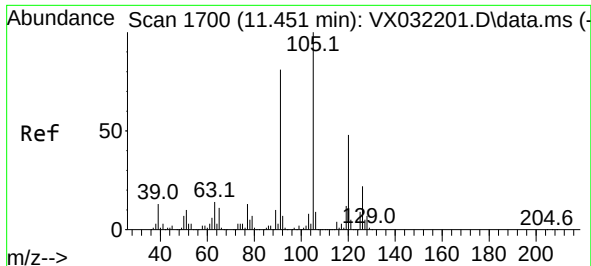
Tgt Ion:152 Resp: 92594
Ion Ratio Lower Upper
152 100
115 60.7 43.1 129.4
150 155.5 0.0 348.6



#76
1,2,3-Trichloropropane
Concen: 28.645 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX032217.D
Acq: 19 Oct 2022 18:55

Tgt Ion: 75 Resp: 52554
Ion Ratio Lower Upper
75 100
77 1.1 16.0 47.9#

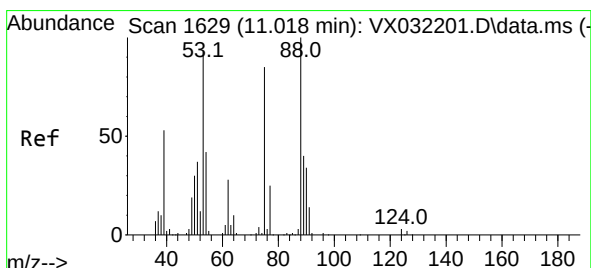
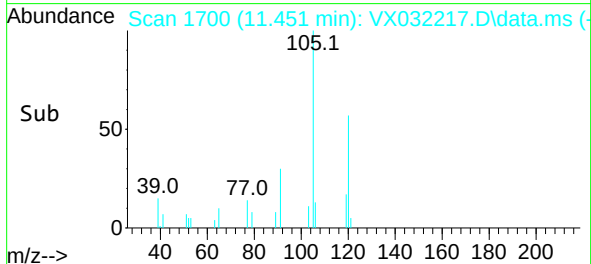
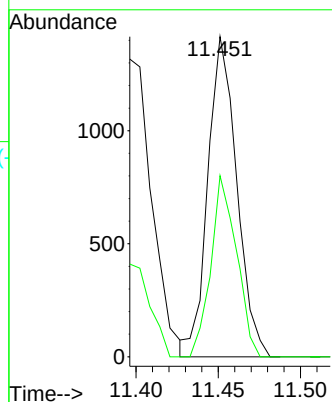
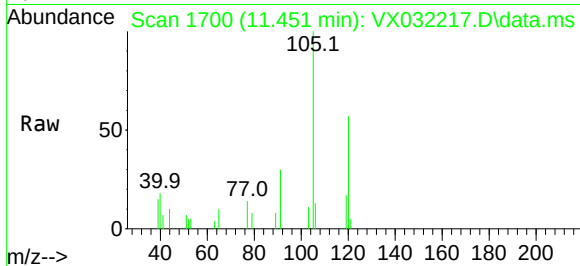




#80
 1,3,5-Trimethylbenzene
 Concen: 0.303 ug/l
 RT: 11.451 min Scan# 1700
 Delta R.T. 0.000 min
 Lab File: VX032217.D
 Acq: 19 Oct 2022 18:55

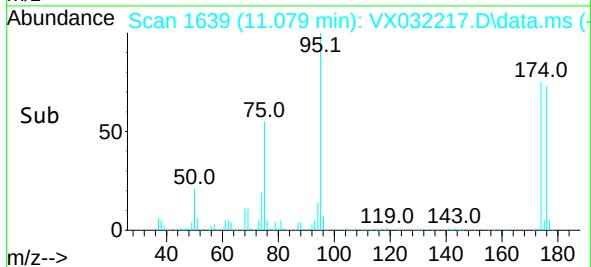
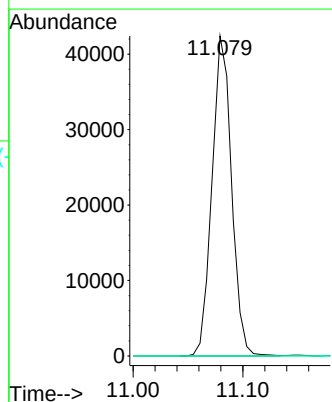
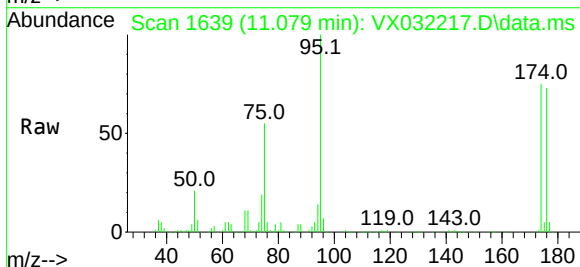
Instrument :
 MSVOA_X
 ClientSampleId :
 TRE-1662

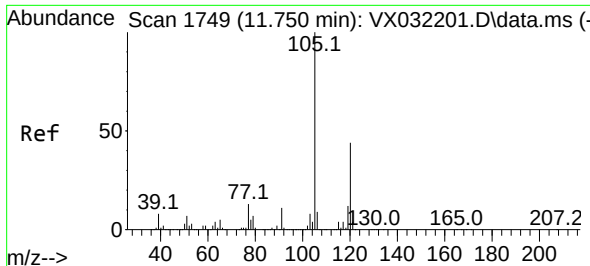
Tgt Ion:105 Resp: 1729
 Ion Ratio Lower Upper
 105 100
 120 50.2 23.5 70.6



#81
 trans-1,4-Dichloro-2-butene
 Concen: 87.784 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. 0.061 min
 Lab File: VX032217.D
 Acq: 19 Oct 2022 18:55

Tgt Ion: 75 Resp: 52554
 Ion Ratio Lower Upper
 75 100
 53 0.0 87.8 131.8#
 89 0.0 37.8 56.8#

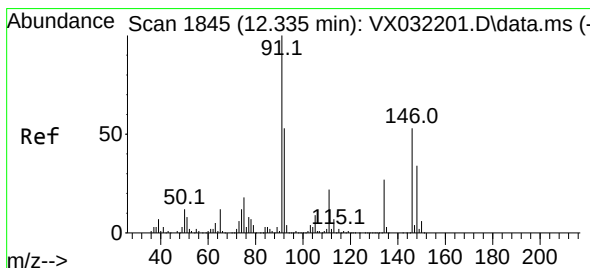
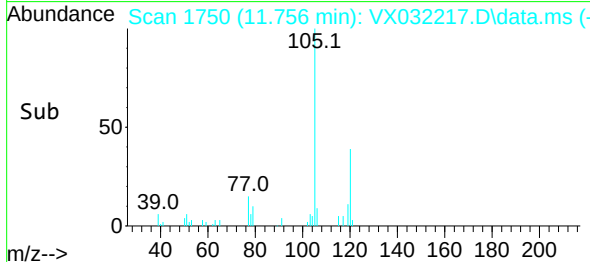
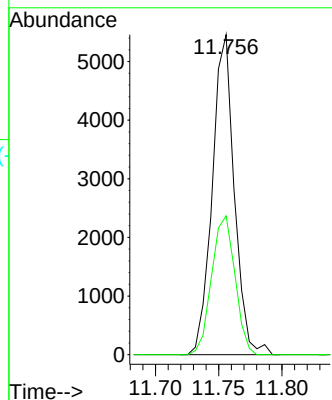
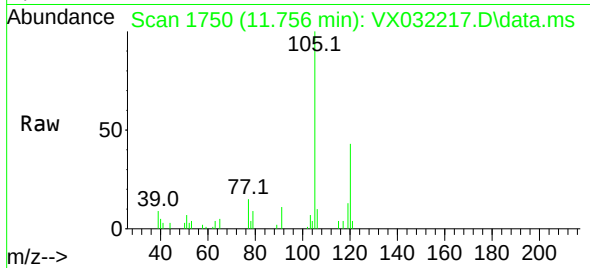




#84
1,2,4-Trimethylbenzene
Concen: 1.192 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX032217.D
Acq: 19 Oct 2022 18:55

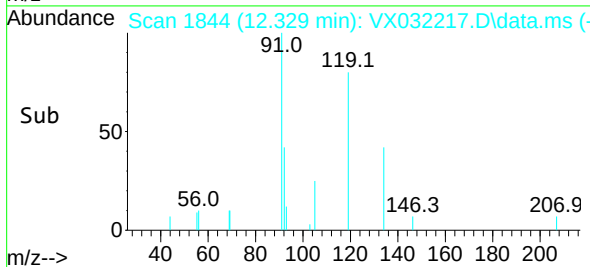
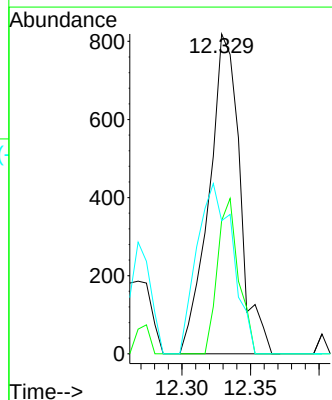
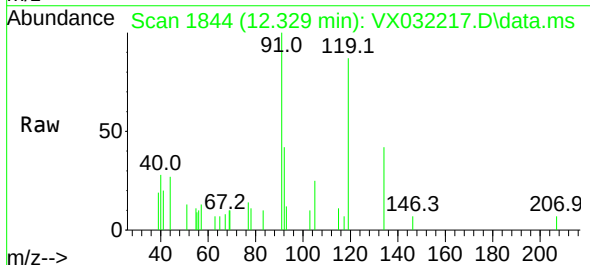
Instrument :
MSVOA_X
ClientSampleId :
TRE-1662

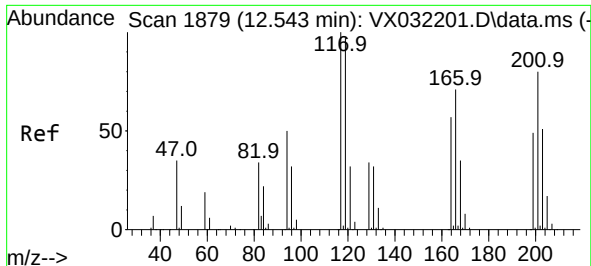
Tgt Ion:105 Resp: 6612
Ion Ratio Lower Upper
105 100
120 45.9 22.1 66.1



#89
n-Butylbenzene
Concen: 0.248 ug/l
RT: 12.329 min Scan# 1844
Delta R.T. -0.006 min
Lab File: VX032217.D
Acq: 19 Oct 2022 18:55

Tgt Ion: 91 Resp: 1284
Ion Ratio Lower Upper
91 100
92 33.2 26.3 78.9
134 61.8 13.0 39.0#

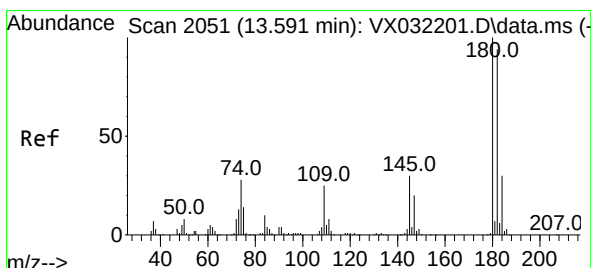
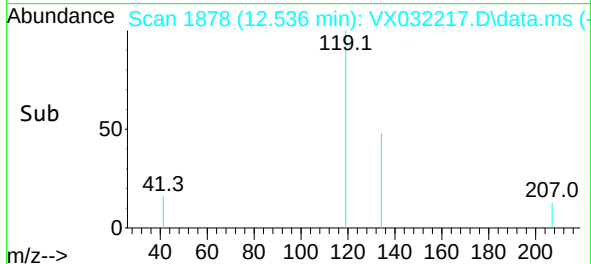
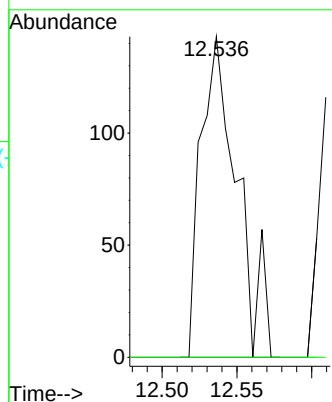
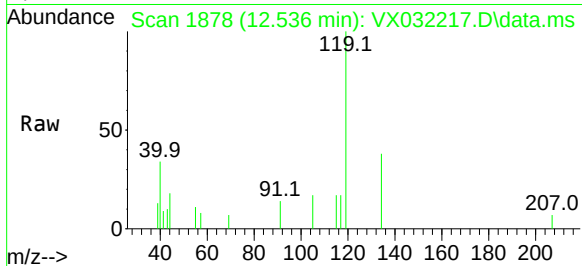




#90
Hexachloroethane
Concen: 0.267 ug/l
RT: 12.536 min Scan# 117
Delta R.T. -0.007 min
Lab File: VX032217.D
Acq: 19 Oct 2022 18:55

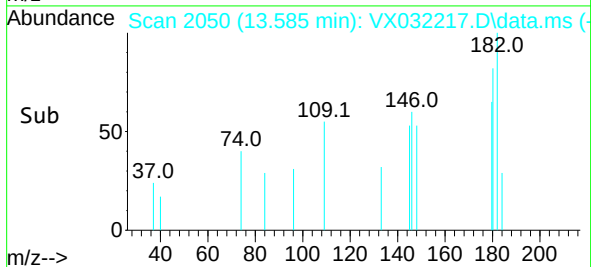
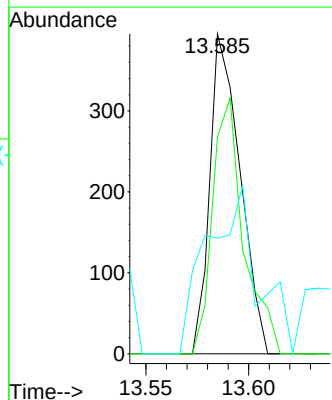
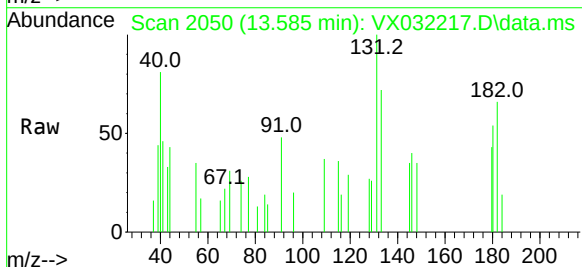
Instrument :
MSVOA_X
ClientSampleId :
TRE-1662

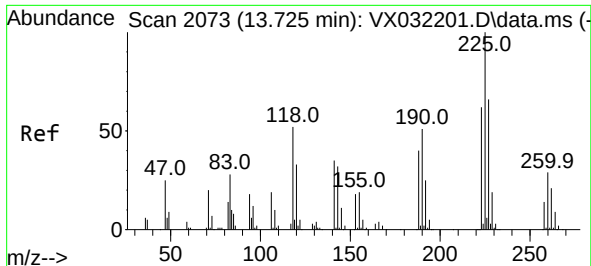
Tgt Ion:117 Resp: 243
Ion Ratio Lower Upper
117 100
201 0.0 38.5 115.3#



#93
1,2,4-Trichlorobenzene
Concen: 0.202 ug/l
RT: 13.585 min Scan# 2050
Delta R.T. -0.006 min
Lab File: VX032217.D
Acq: 19 Oct 2022 18:55

Tgt Ion:180 Resp: 403
Ion Ratio Lower Upper
180 100
182 82.1 46.8 140.3
145 87.8 15.6 46.7#

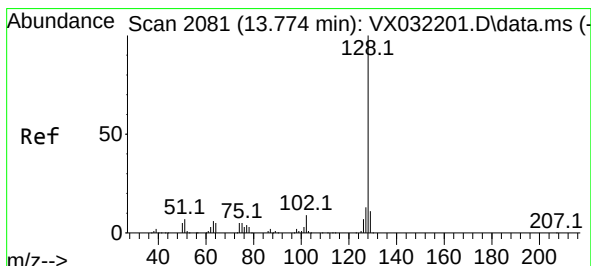
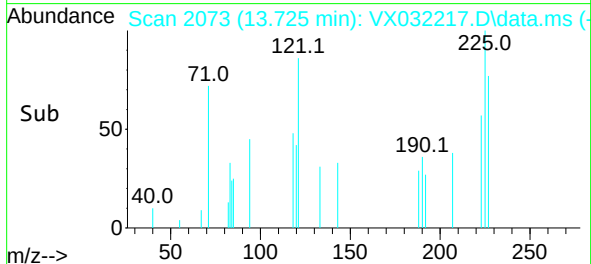
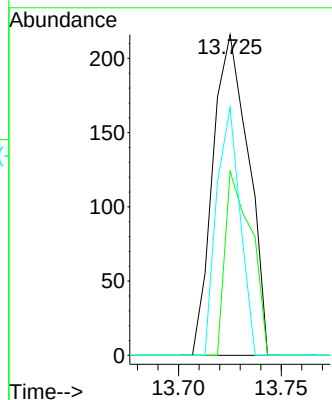
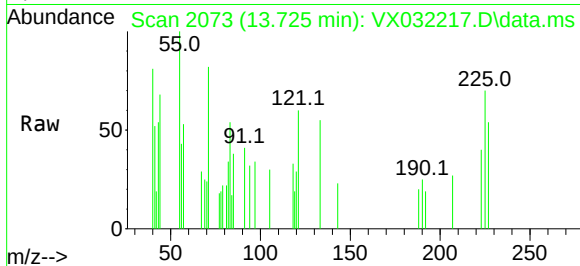




#94
Hexachlorobutadiene
Concen: 0.301 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX032217.D
Acq: 19 Oct 2022 18:55

Instrument :
MSVOA_X
ClientSampleId :
TRE-1662

Tgt Ion:	225	Resp:	260
Ion	Ratio	Lower	Upper
225	100		
223	42.3	31.4	94.3
227	50.8	32.0	96.0



#95
Naphthalene
Concen: 0.508 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX032217.D
Acq: 19 Oct 2022 18:55

Tgt Ion:	128	Resp:	3241
Ion	Ratio	Lower	Upper
128	100		
127	11.3	10.3	15.5
129	11.0	8.7	13.1

