

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051822\
 Data File : VX028803.D
 Acq On : 18 May 2022 14:09
 Operator : JC/MD
 Sample : N2884-08DL 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 31571

Quant Time: May 19 01:34:02 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051222W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 12 14:58:53 2022
 Response via : Initial Calibration

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

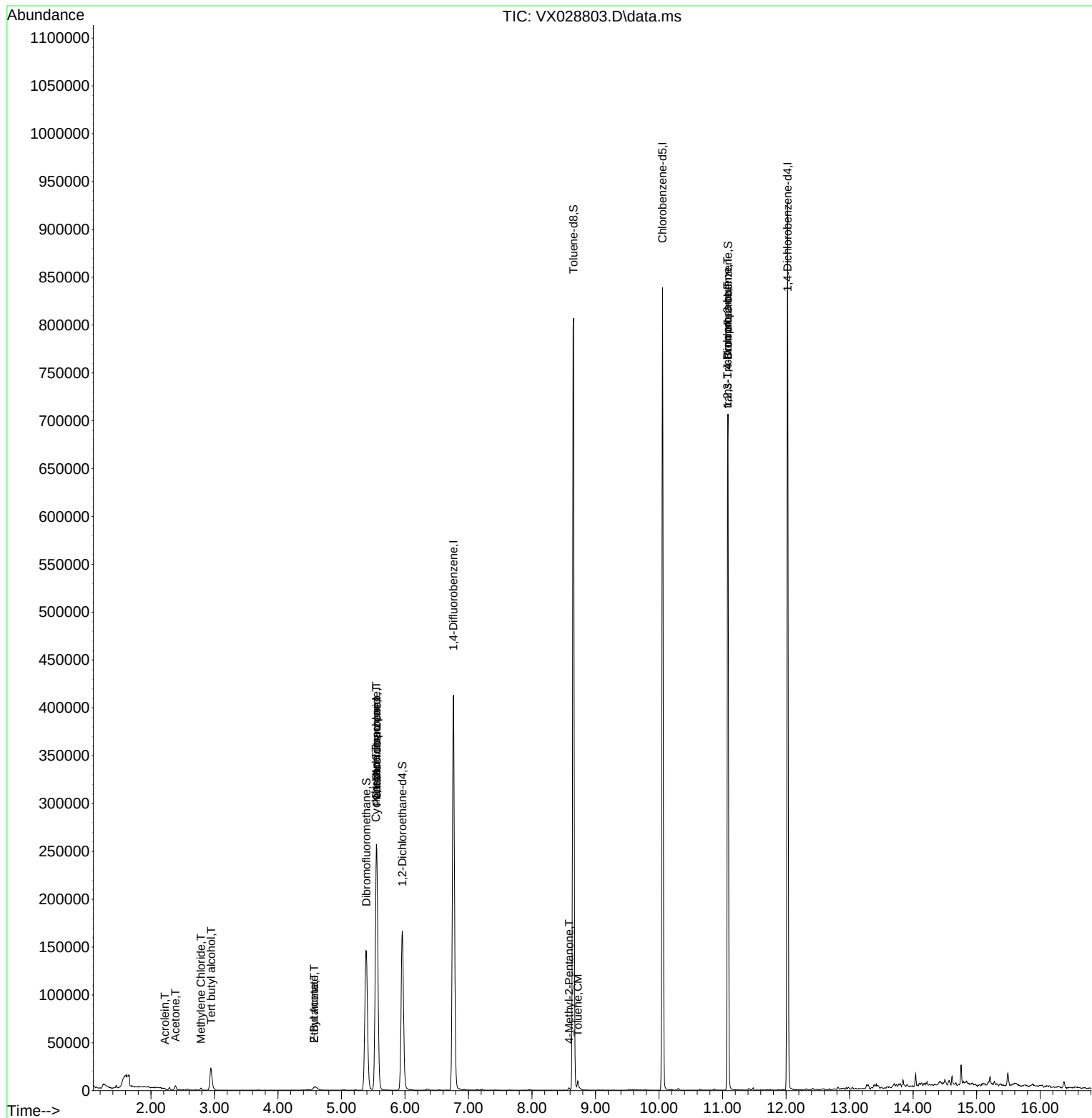
Internal Standards						
1) Pentafluorobenzene	5.556	168	240390	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	417046	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	365149	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	181910	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	159596	48.433	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	96.860%		
35) Dibromofluoromethane	5.391	113	128548	47.045	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	94.100%		
50) Toluene-d8	8.653	98	490047	47.569	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	95.140%		
62) 4-Bromofluorobenzene	11.085	95	190859	49.602	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	99.200%		
Target Compounds					Qvalue	
5) Bromomethane	1.599	94	876	Below Cal		84
6) Chloroethane	1.679	64	495	Below Cal		90
11) Tert butyl alcohol	2.947	59	14447	13.098 ug/l	#	75
13) Acrolein	2.221	56	117	0.216 ug/l	#	15
16) Acetone	2.386	43	5447	3.852 ug/l		98
20) Methylene Chloride	2.788	84	1028	0.346 ug/l	#	89
25) 2-Butanone	4.568	43	4710	2.122 ug/l		92
31) Cyclohexane	5.544	56	5740	1.255 ug/l	#	41
36) 1,1-Dichloropropene	5.550	75	19438	4.736 ug/l	#	50
37) Ethyl Acetate	4.568	43	4710	1.099 ug/l	#	74
38) Carbon Tetrachloride	5.550	117	24908	6.031 ug/l	#	16
51) 4-Methyl-2-Pentanone	8.586	43	1644	0.372 ug/l		88
52) Toluene	8.720	92	3185	0.420 ug/l		100
76) 1,2,3-Trichloropropane	11.079	75	102371	24.030 ug/l	#	38
81) trans-1,4-Dichloro-2-b...	11.079	75	102371	70.008 ug/l	#	15

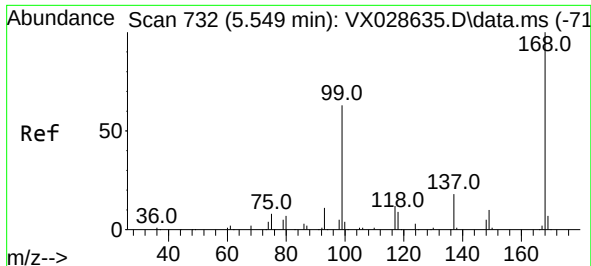
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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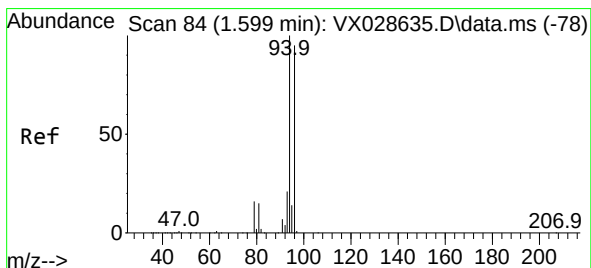
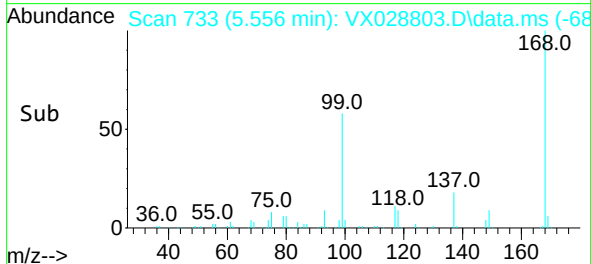
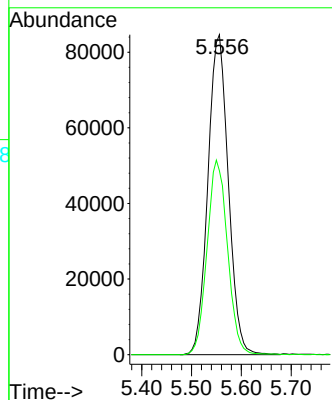
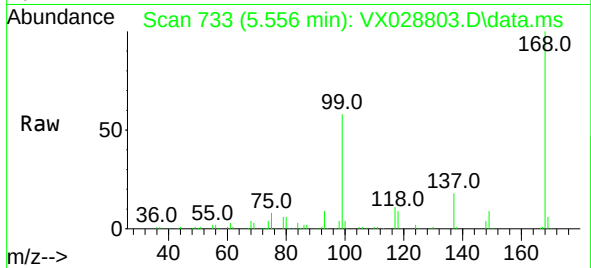




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX028803.D
Acq: 18 May 2022 14:09

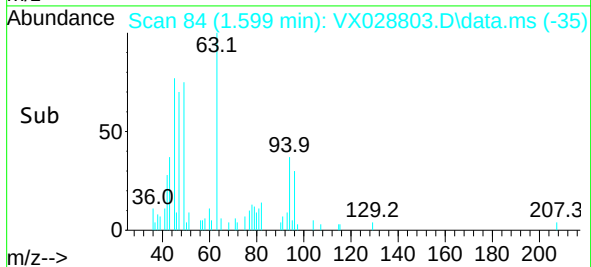
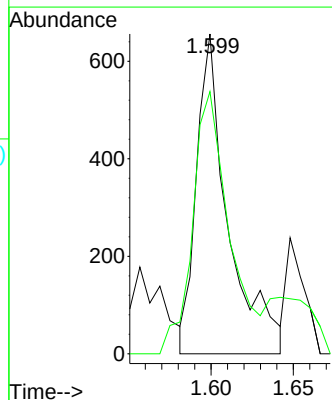
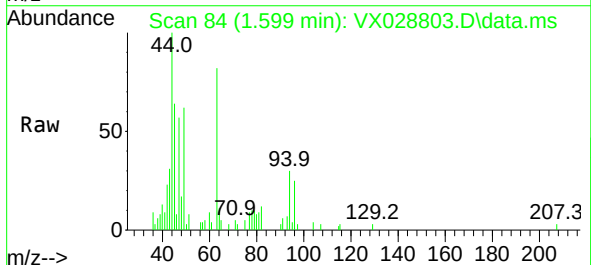
Instrument :
MSVOA_X
ClientSampleId :
31571

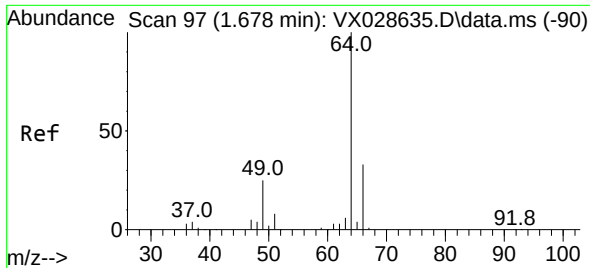
Tgt Ion:168 Resp: 240390
Ion Ratio Lower Upper
168 100
99 57.5 41.7 62.5



#5
Bromomethane
Concen: Below Cal
RT: 1.599 min Scan# 84
Delta R.T. 0.000 min
Lab File: VX028803.D
Acq: 18 May 2022 14:09

Tgt Ion: 94 Resp: 876
Ion Ratio Lower Upper
94 100
96 78.8 75.3 112.9

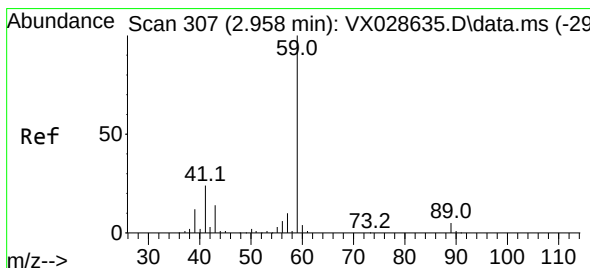
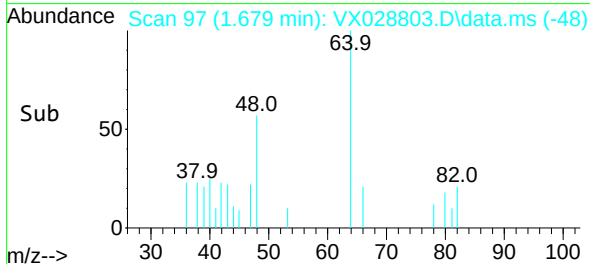
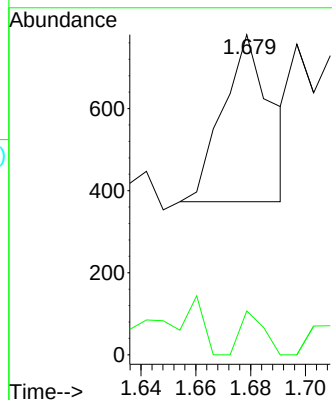
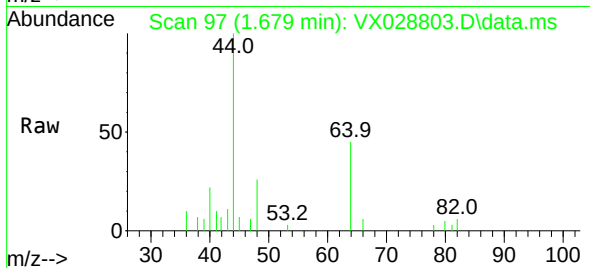




#6
Chloroethane
Concen: Below Cal
RT: 1.679 min Scan# 91
Delta R.T. 0.001 min
Lab File: VX028803.D
Acq: 18 May 2022 14:09

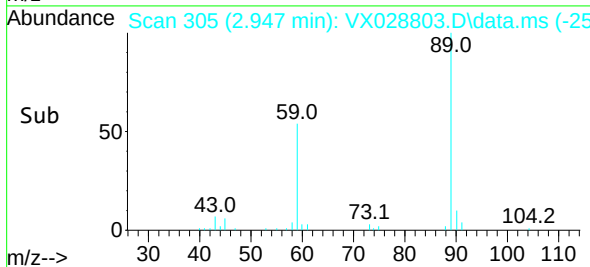
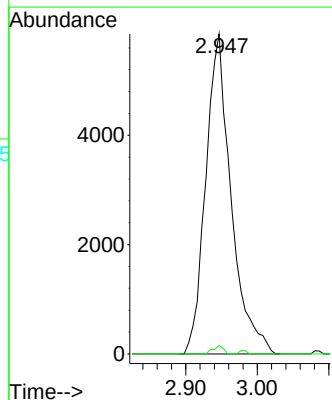
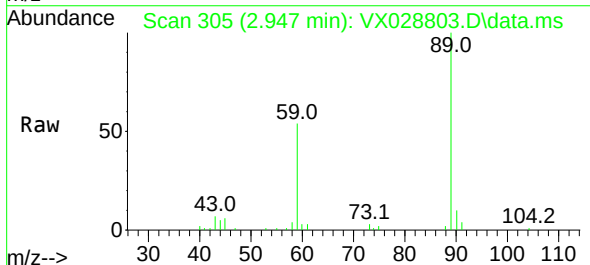
Instrument :
MSVOA_X
ClientSampleId :
31571

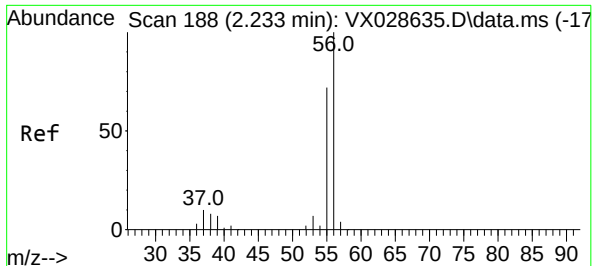
Tgt Ion: 64 Resp: 495
Ion Ratio Lower Upper
64 100
66 26.3 25.3 37.9



#11
Tert butyl alcohol
Concen: 13.098 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.011 min
Lab File: VX028803.D
Acq: 18 May 2022 14:09

Tgt Ion: 59 Resp: 14447
Ion Ratio Lower Upper
59 100
57 1.1 8.3 12.5#

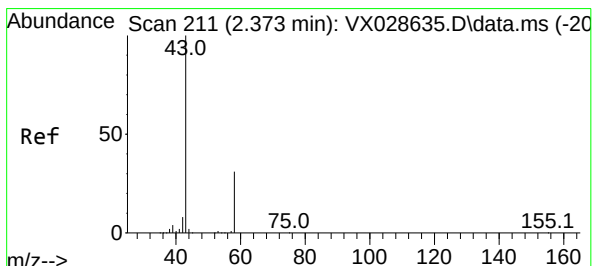
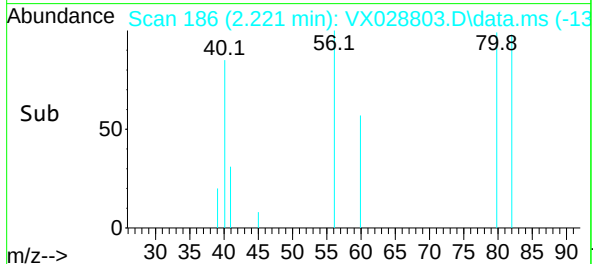
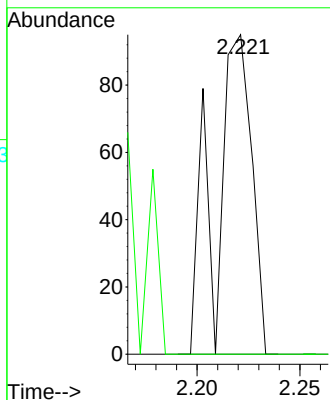
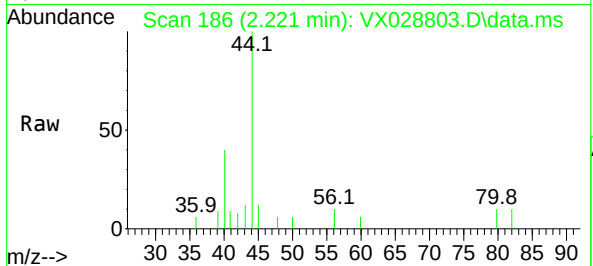




#13
Acrolein
Concen: 0.216 ug/l
RT: 2.221 min Scan# 117
Delta R.T. -0.012 min
Lab File: VX028803.D
Acq: 18 May 2022 14:09

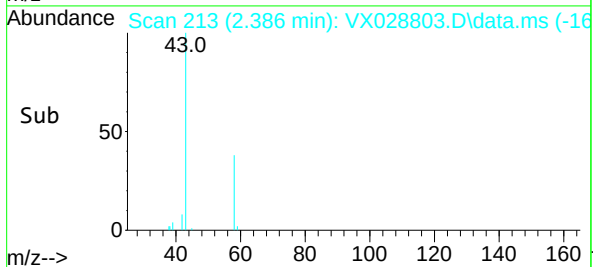
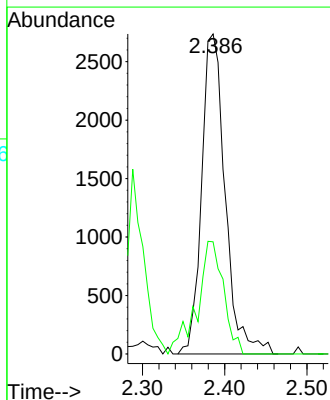
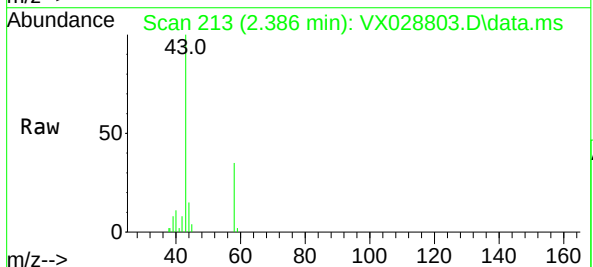
Instrument :
MSVOA_X
ClientSampleId :
31571

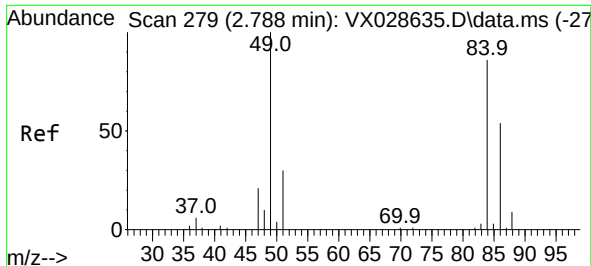
Tgt Ion: 56 Resp: 117
Ion Ratio Lower Upper
56 100
55 0.0 55.0 82.6#



#16
Acetone
Concen: 3.852 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.013 min
Lab File: VX028803.D
Acq: 18 May 2022 14:09

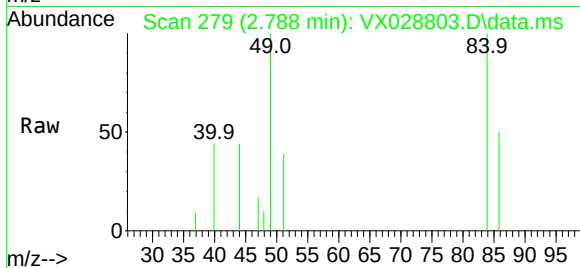
Tgt Ion: 43 Resp: 5447
Ion Ratio Lower Upper
43 100
58 35.0 28.8 43.2



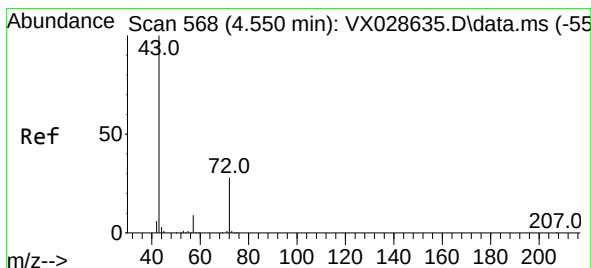
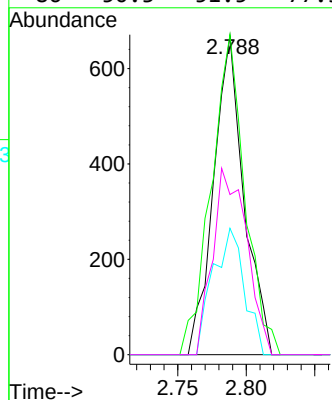


#20
Methylene Chloride
Concen: 0.346 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX028803.D
Acq: 18 May 2022 14:09

Instrument :
MSVOA_X
ClientSampleId :
31571

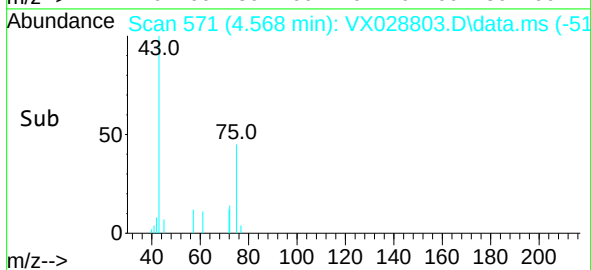
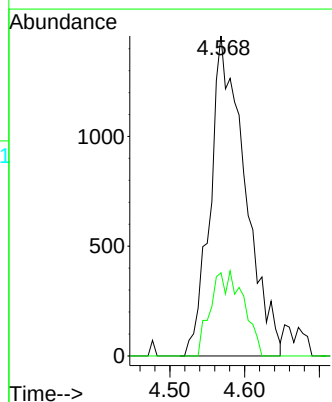
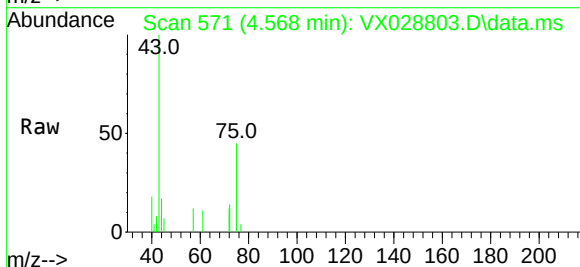


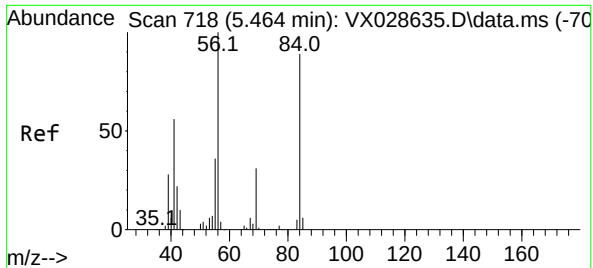
Tgt Ion:	84	Resp:	1028
Ion	Ratio	Lower	Upper
84	100		
49	100.4	85.5	128.3
51	39.7	26.6	39.8
86	50.3	51.5	77.3



#25
2-Butanone
Concen: 2.122 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.018 min
Lab File: VX028803.D
Acq: 18 May 2022 14:09

Tgt Ion:	43	Resp:	4710
Ion	Ratio	Lower	Upper
43	100		
72	26.0	24.4	36.6

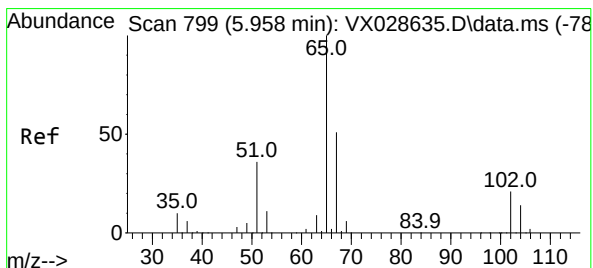
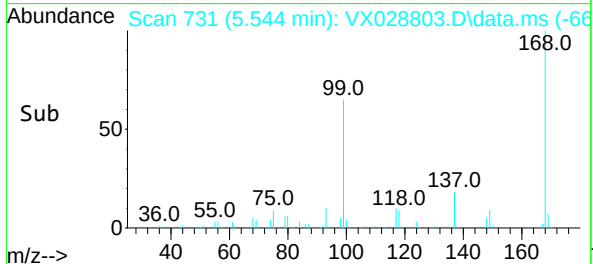
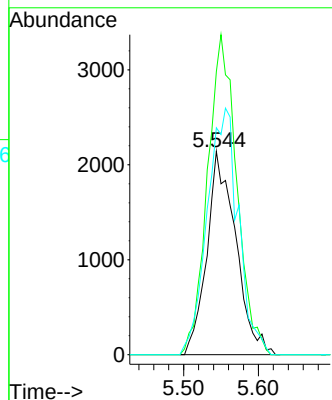
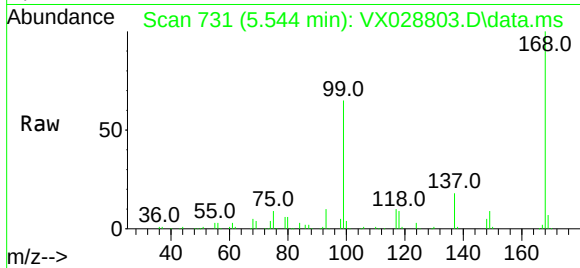




#31
Cyclohexane
Concen: 1.255 ug/l
RT: 5.544 min Scan# 718
Delta R.T. 0.080 min
Lab File: VX028803.D
Acq: 18 May 2022 14:09

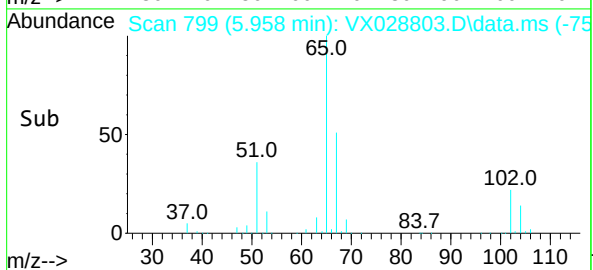
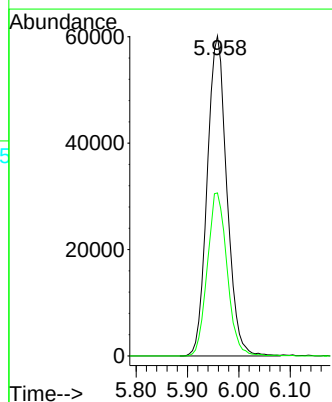
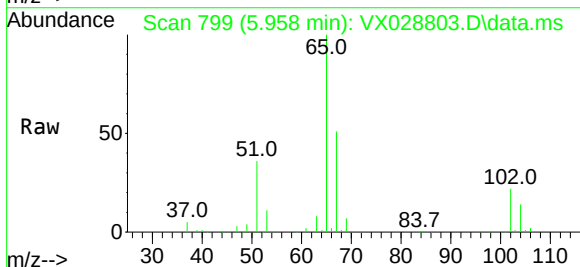
Instrument :
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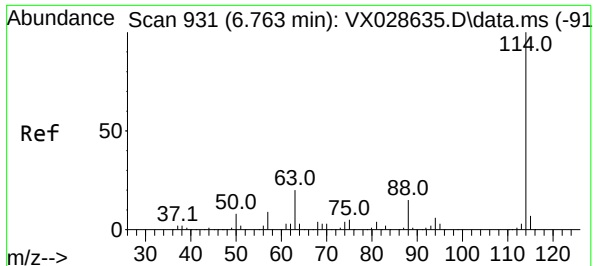
Tgt Ion: 56 Resp: 5740
Ion Ratio Lower Upper
56 100
69 139.2 26.7 40.1#
84 111.6 77.2 115.8



#33
1,2-Dichloroethane-d4
Concen: 48.433 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX028803.D
Acq: 18 May 2022 14:09

Tgt Ion: 65 Resp: 159596
Ion Ratio Lower Upper
65 100
67 51.2 0.0 107.4

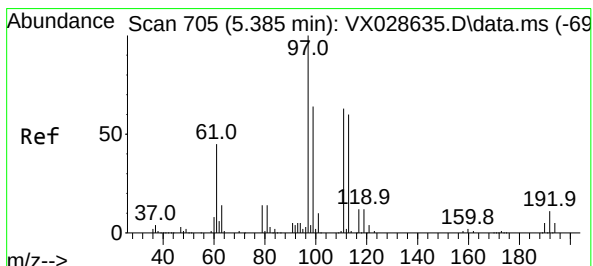
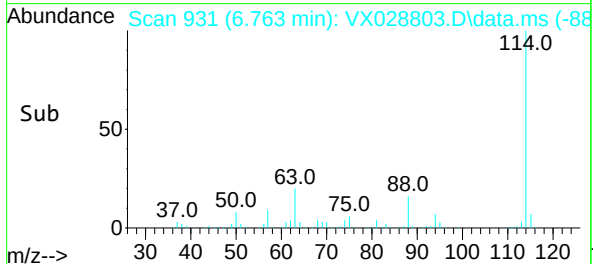
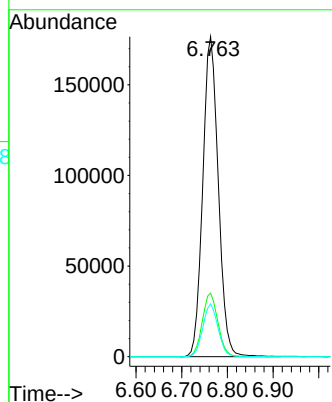
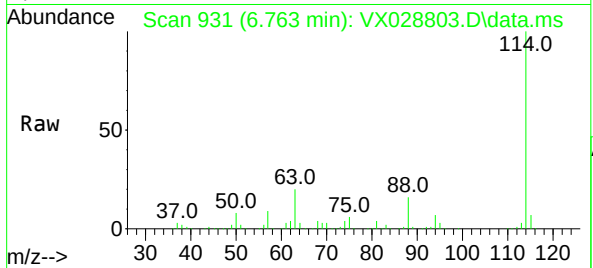




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX028803.D
Acq: 18 May 2022 14:09

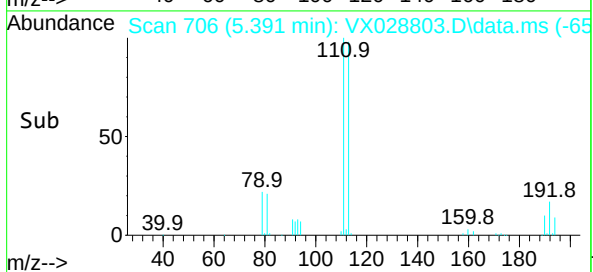
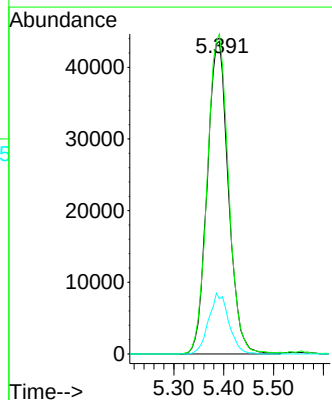
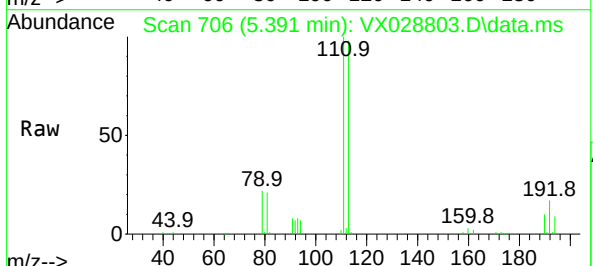
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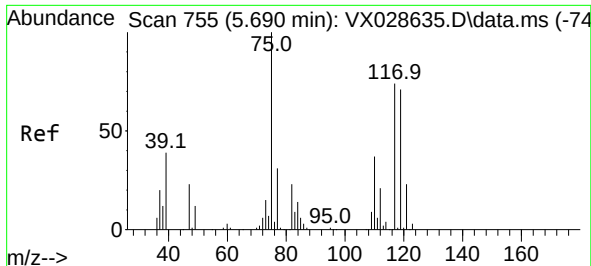
Tgt Ion:114 Resp: 417046
Ion Ratio Lower Upper
114 100
63 19.8 0.0 36.8
88 16.5 0.0 32.4



#35
Dibromofluoromethane
Concen: 47.045 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX028803.D
Acq: 18 May 2022 14:09

Tgt Ion:113 Resp: 128548
Ion Ratio Lower Upper
113 100
111 102.8 82.8 124.2
192 18.5 16.9 25.3

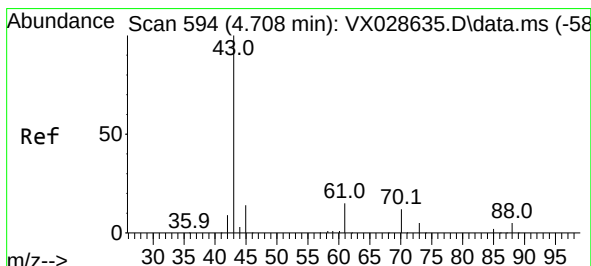
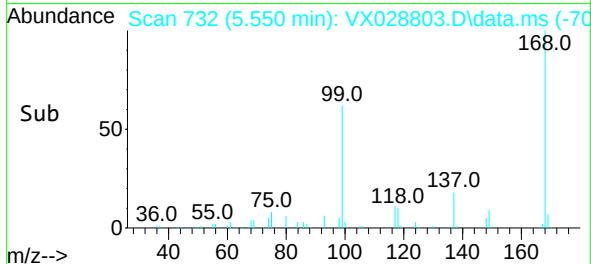
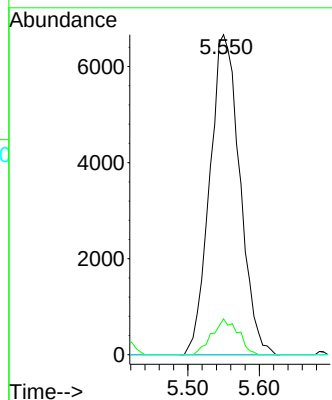
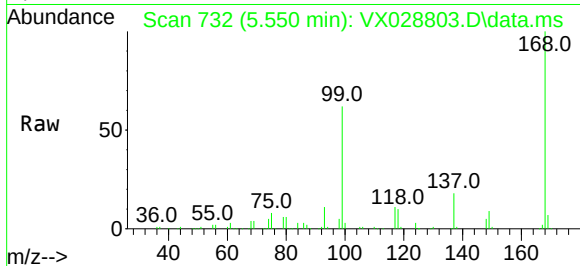




#36
1,1-Dichloropropene
Concen: 4.736 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX028803.D
Acq: 18 May 2022 14:09

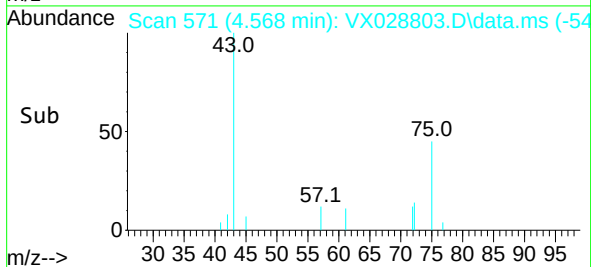
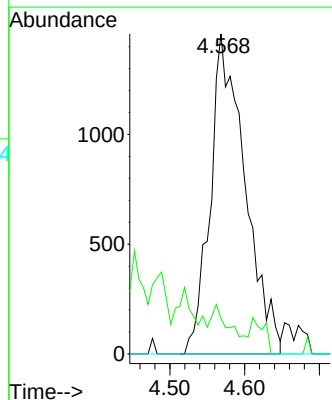
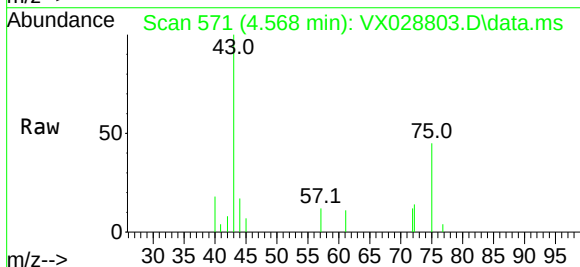
Instrument :
MSVOA_X
ClientSampleId :
31571

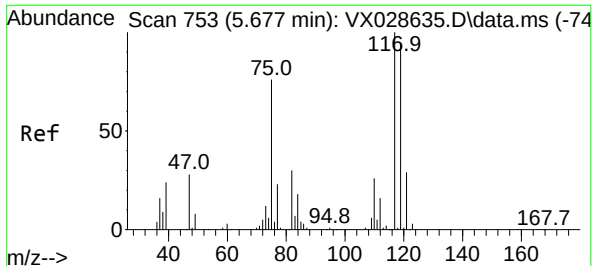
Tgt Ion: 75 Resp: 19438
Ion Ratio Lower Upper
75 100
110 9.7 18.3 54.8#
77 0.0 24.8 37.2#



#37
Ethyl Acetate
Concen: 1.099 ug/l
RT: 4.568 min Scan# 571
Delta R.T. -0.140 min
Lab File: VX028803.D
Acq: 18 May 2022 14:09

Tgt Ion: 43 Resp: 4710
Ion Ratio Lower Upper
43 100
61 6.9 12.6 19.0#
70 0.0 10.2 15.2#

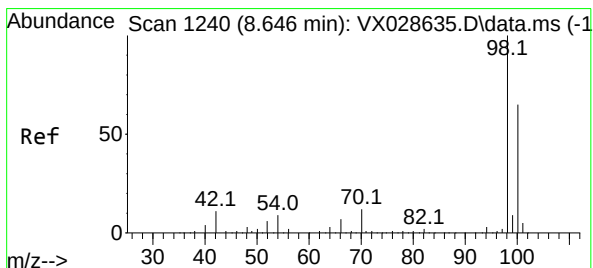
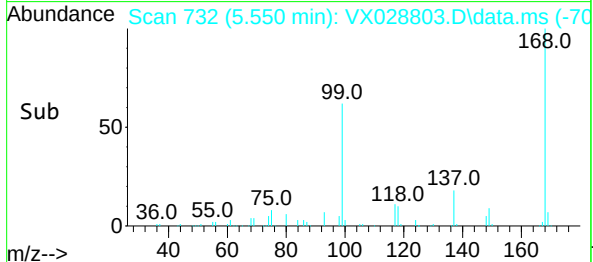
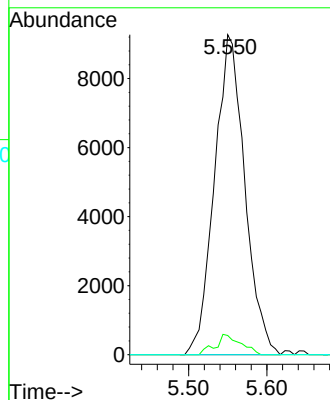
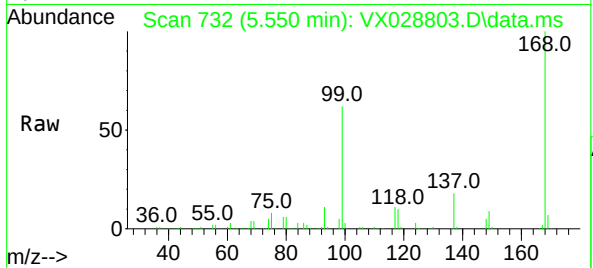




#38
Carbon Tetrachloride
Concen: 6.031 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.127 min
Lab File: VX028803.D
Acq: 18 May 2022 14:09

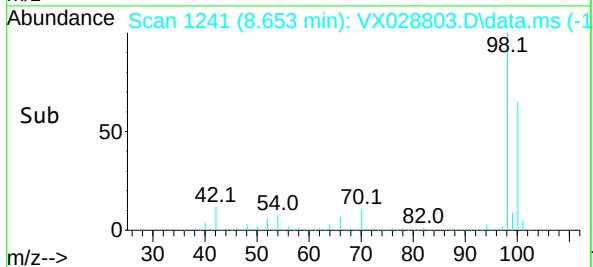
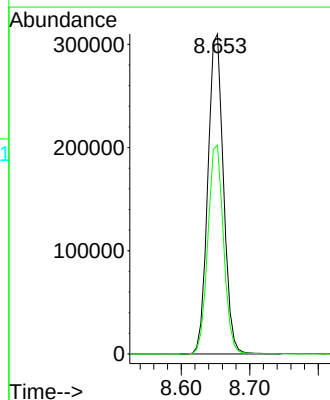
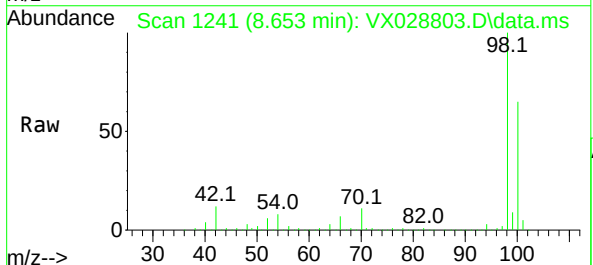
Instrument :
MSVOA_X
ClientSampleId :
31571

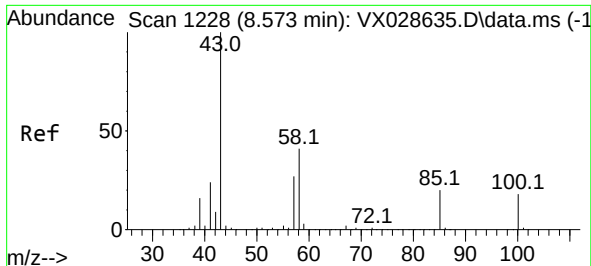
Tgt Ion:117 Resp: 24908
Ion Ratio Lower Upper
117 100
119 6.0 77.3 115.9#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 47.569 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.007 min
Lab File: VX028803.D
Acq: 18 May 2022 14:09

Tgt Ion: 98 Resp: 490047
Ion Ratio Lower Upper
98 100
100 65.6 52.6 78.8

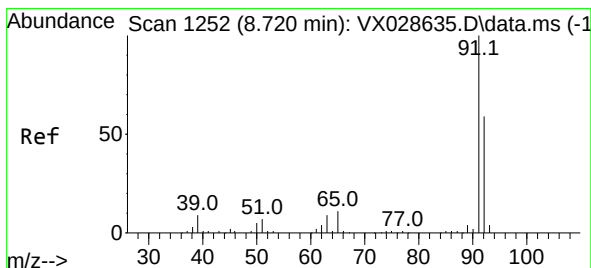
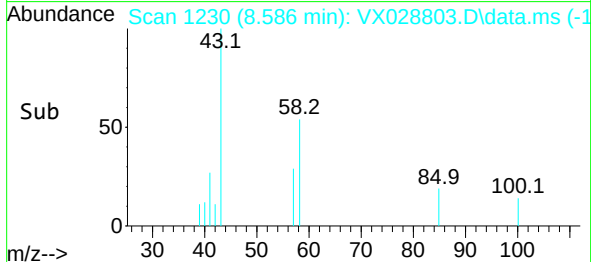
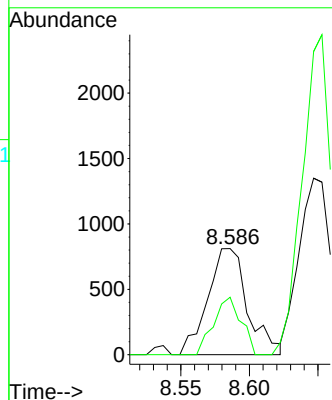
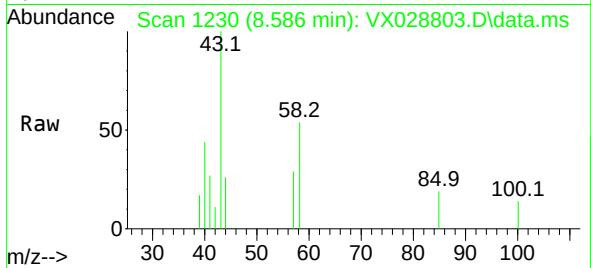




#51
4-Methyl-2-Pentanone
Concen: 0.372 ug/l
RT: 8.586 min Scan# 11
Delta R.T. 0.013 min
Lab File: VX028803.D
Acq: 18 May 2022 14:09

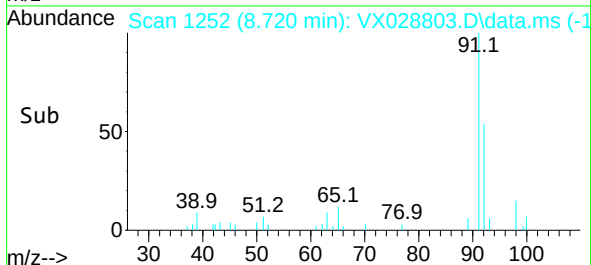
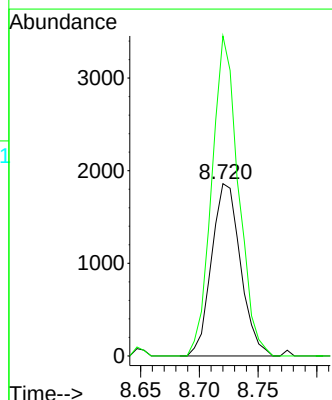
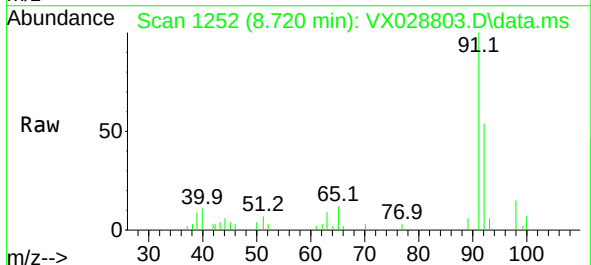
Instrument :
MSVOA_X
ClientSampleId :
31571

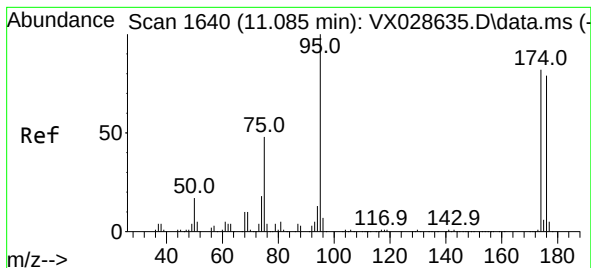
Tgt Ion: 43 Resp: 1644
Ion Ratio Lower Upper
43 100
58 37.3 36.1 54.1



#52
Toluene
Concen: 0.420 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX028803.D
Acq: 18 May 2022 14:09

Tgt Ion: 92 Resp: 3185
Ion Ratio Lower Upper
92 100
91 171.4 137.5 206.3

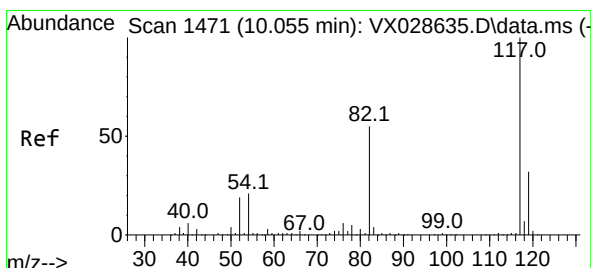
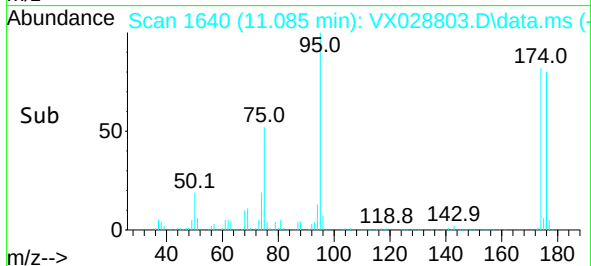
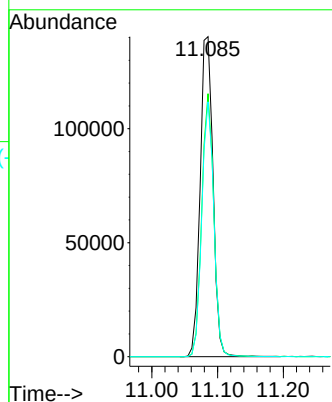
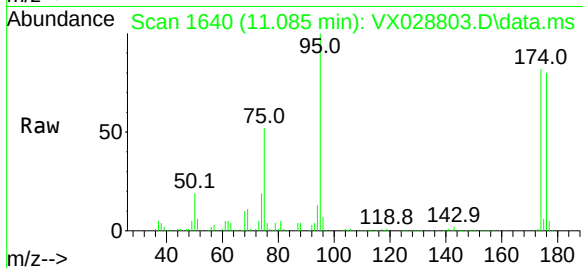




#62
4-Bromofluorobenzene
Concen: 49.602 ug/l
RT: 11.085 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX028803.D
Acq: 18 May 2022 14:09

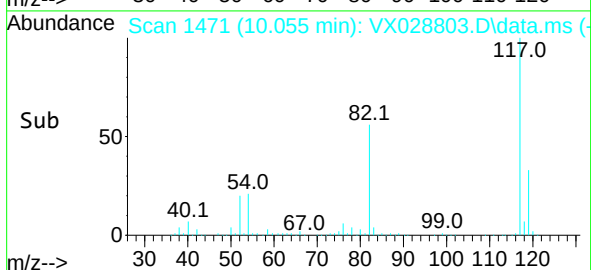
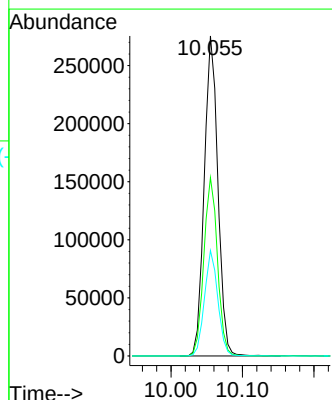
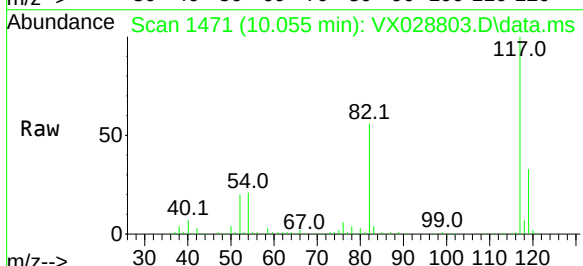
Instrument :
MSVOA_X
ClientSampleId :
31571

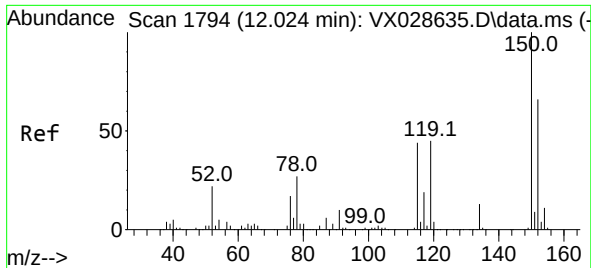
Tgt Ion: 95 Resp: 190859
Ion Ratio Lower Upper
95 100
174 76.5 0.0 163.0
176 74.7 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX028803.D
Acq: 18 May 2022 14:09

Tgt Ion: 117 Resp: 365149
Ion Ratio Lower Upper
117 100
82 55.8 41.8 62.8
119 33.0 24.8 37.2

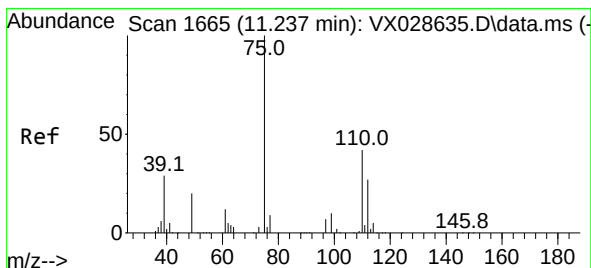
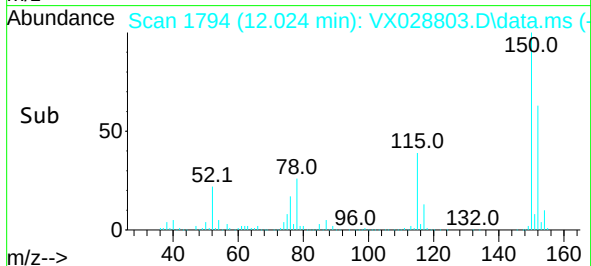
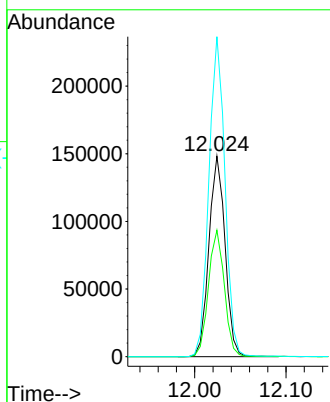
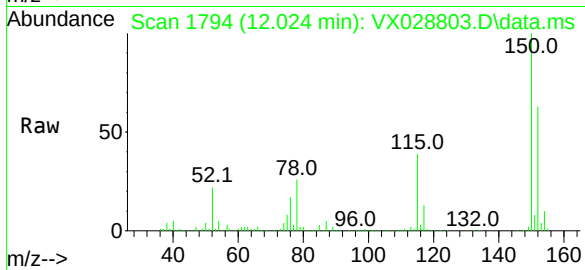




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX028803.D
 Acq: 18 May 2022 14:09

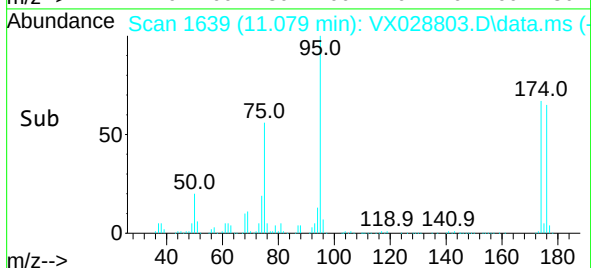
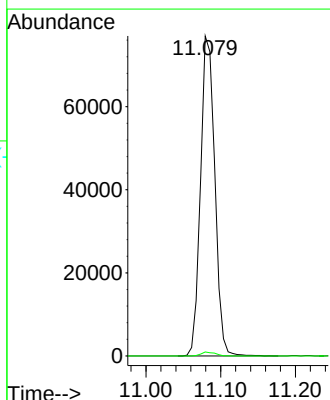
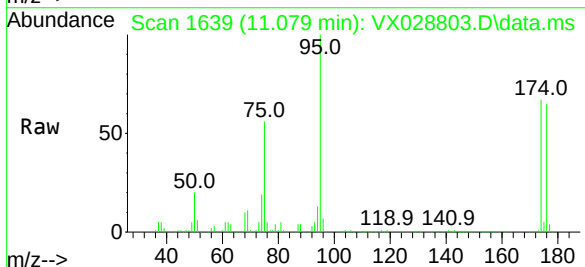
Instrument :
 MSVOA_X
 ClientSampleId :
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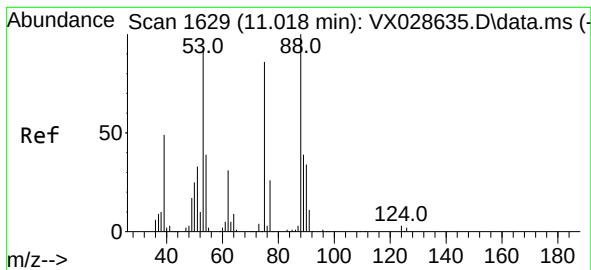
Tgt Ion:152 Resp: 181910
 Ion Ratio Lower Upper
 152 100
 115 62.2 37.5 112.7
 150 158.3 0.0 338.2



#76
 1,2,3-Trichloropropane
 Concen: 24.030 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.158 min
 Lab File: VX028803.D
 Acq: 18 May 2022 14:09

Tgt Ion: 75 Resp: 102371
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.4 58.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.008 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX028803.D
 Acq: 18 May 2022 14:09

Instrument :
 MSVOA_X
 ClientSampleId :
 31571

Tgt Ion: 75 Resp: 102371
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.0 37.0 55.6#

