

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052522\
 Data File : VX028948.D
 Acq On : 25 May 2022 14:17
 Operator : JC/MD
 Sample : N2983-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RB03-20220520

Quant Time: May 26 05:44:20 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)

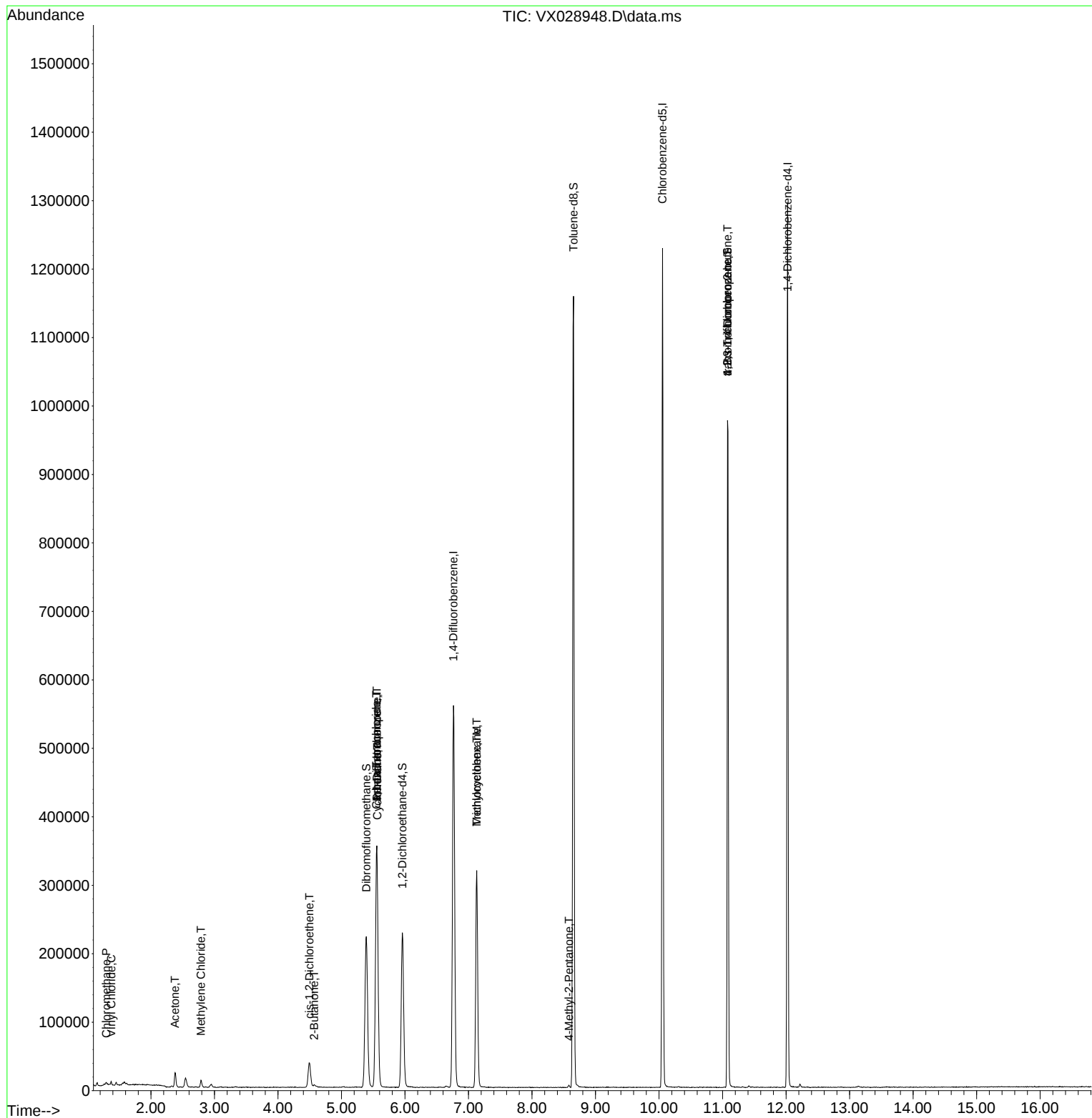
Internal Standards						
1) Pentafluorobenzene	5.556	168	328572	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	586967	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	559068	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	260928	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	225043	49.966	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	99.940%
35) Dibromofluoromethane	5.391	113	196221	51.023	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	102.040%
50) Toluene-d8	8.653	98	696914	48.066	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	96.140%
62) 4-Bromofluorobenzene	11.079	95	273702	50.540	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	101.080%
Target Compounds						Qvalue
3) Chloromethane	1.294	50	844	0.208	ug/l #	88
4) Vinyl Chloride	1.374	62	3341	0.765	ug/l	92
5) Bromomethane	1.611	94	1183	Below Cal		93
6) Chloroethane	1.697	64	708	Below Cal	#	43
11) Tert butyl alcohol	2.953	59	2795	Below Cal	#	72
16) Acetone	2.379	43	23119	11.960	ug/l	91
20) Methylene Chloride	2.788	84	4470	1.102	ug/l	96
25) 2-Butanone	4.568	43	4442	1.464	ug/l #	82
27) cis-1,2-Dichloroethene	4.495	96	24470	5.470	ug/l	87
31) Cyclohexane	5.562	56	6433	1.029	ug/l #	3
36) 1,1-Dichloropropene	5.556	75	25750	4.458	ug/l #	50
38) Carbon Tetrachloride	5.550	117	34752	5.978	ug/l #	15
39) Methylcyclohexane	7.129	83	1628	0.246	ug/l #	1
44) Trichloroethene	7.129	130	126165	28.023	ug/l	97
51) 4-Methyl-2-Pentanone	8.580	43	1726	0.278	ug/l	99
76) 1,2,3-Trichloropropane	11.079	75	137858	22.560	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	137858	65.963	ug/l #	15

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

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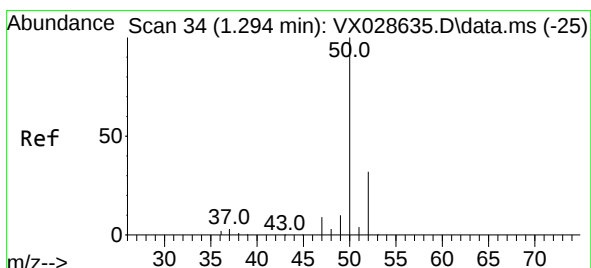
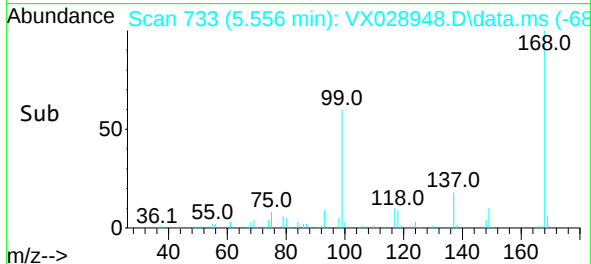
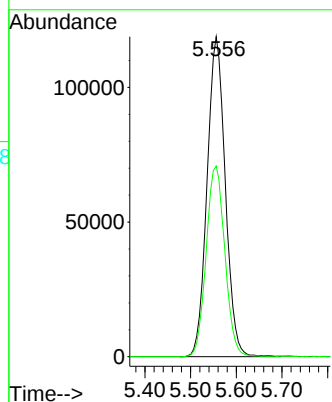
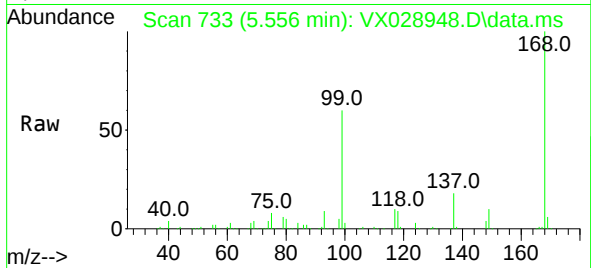




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX028948.D
Acq: 25 May 2022 14:17

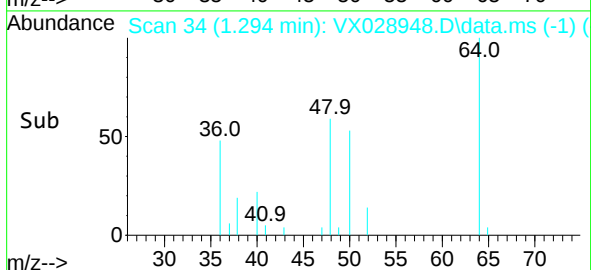
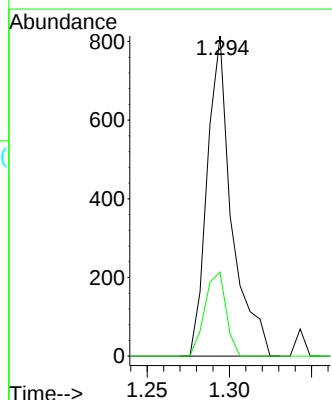
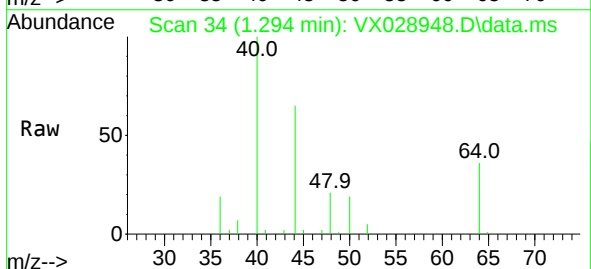
Instrument :
MSVOA_X
ClientSampleId :
RB03-20220520

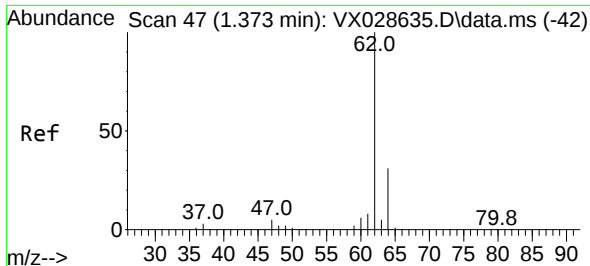
Tgt Ion:168 Resp: 328572
Ion Ratio Lower Upper
168 100
99 59.6 41.7 62.5



#3
Chloromethane
Concen: 0.208 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX028948.D
Acq: 25 May 2022 14:17

Tgt Ion: 50 Resp: 844
Ion Ratio Lower Upper
50 100
52 26.2 26.4 39.6#

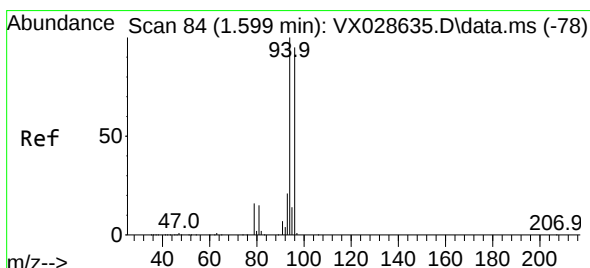
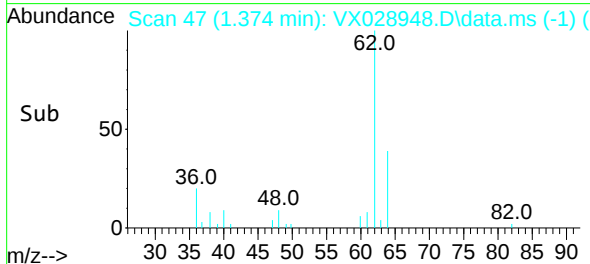
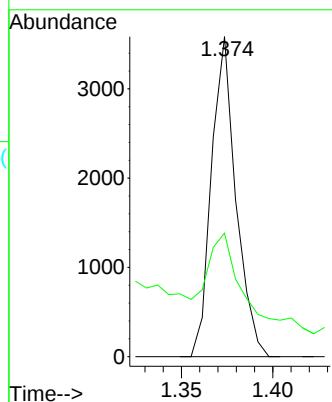
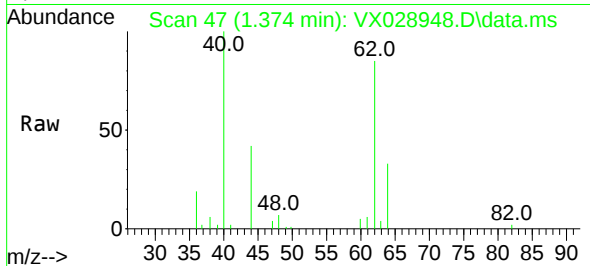




#4
 Vinyl Chloride
 Concen: 0.765 ug/l
 RT: 1.374 min Scan# 41
 Delta R.T. 0.001 min
 Lab File: VX028948.D
 Acq: 25 May 2022 14:17

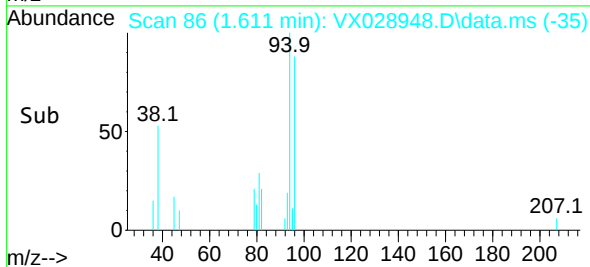
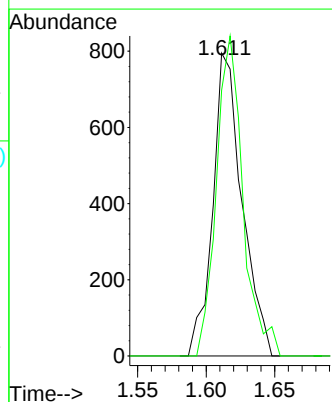
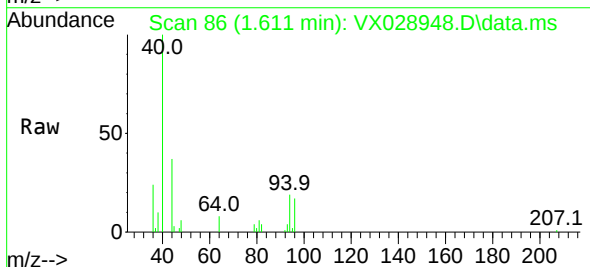
Instrument :
 MSVOA_X
 ClientSampleId :
 RB03-20220520

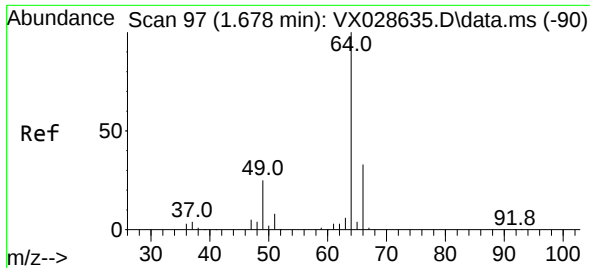
Tgt Ion: 62 Resp: 3341
 Ion Ratio Lower Upper
 62 100
 64 27.2 25.5 38.3



#5
 Bromomethane
 Concen: Below Cal
 RT: 1.611 min Scan# 86
 Delta R.T. 0.012 min
 Lab File: VX028948.D
 Acq: 25 May 2022 14:17

Tgt Ion: 94 Resp: 1183
 Ion Ratio Lower Upper
 94 100
 96 87.8 75.3 112.9

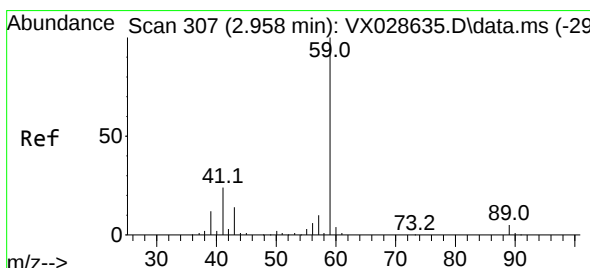
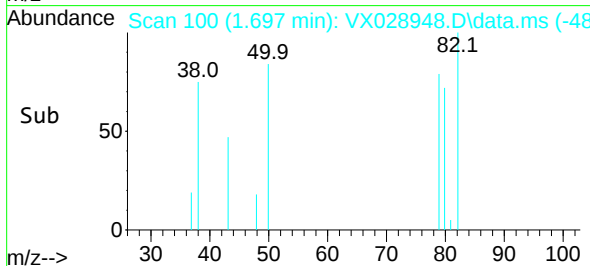
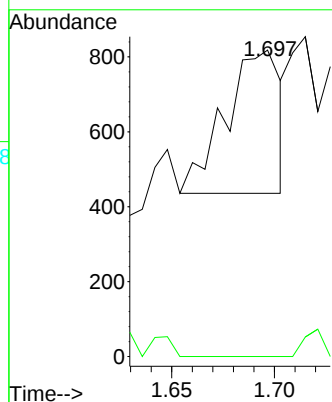
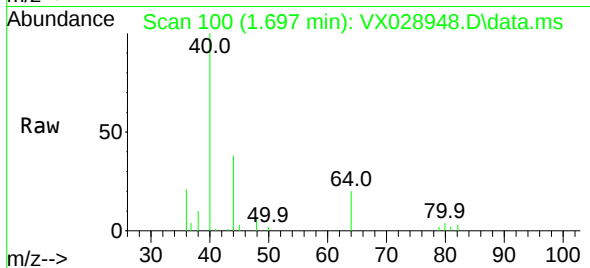




#6
Chloroethane
Concen: Below Cal
RT: 1.697 min Scan# 100
Delta R.T. 0.019 min
Lab File: VX028948.D
Acq: 25 May 2022 14:17

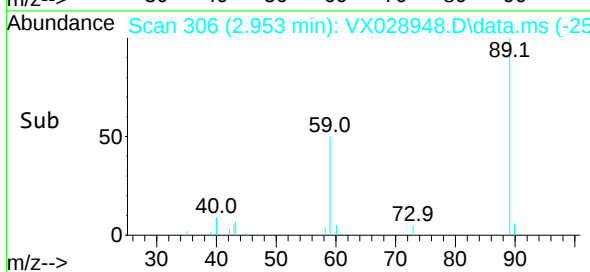
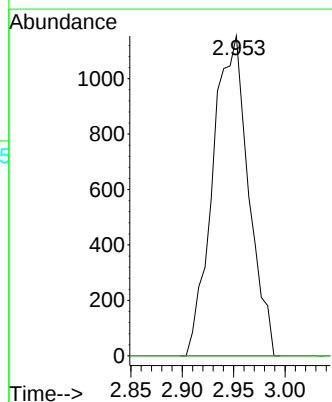
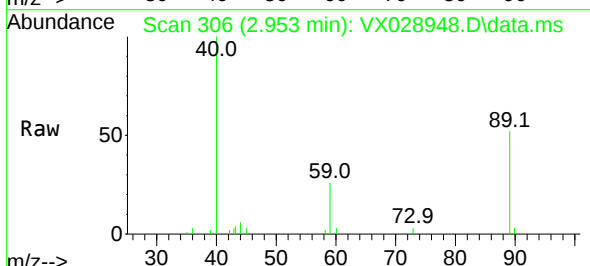
Instrument :
MSVOA_X
ClientSampleId :
RB03-20220520

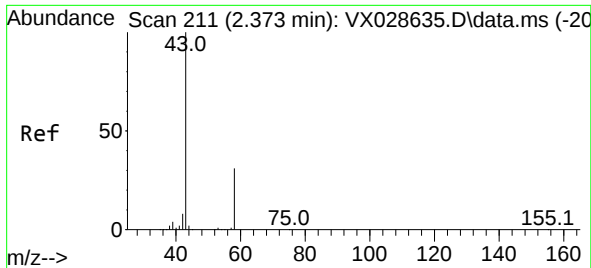
Tgt Ion: 64 Resp: 708
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.953 min Scan# 306
Delta R.T. -0.005 min
Lab File: VX028948.D
Acq: 25 May 2022 14:17

Tgt Ion: 59 Resp: 2795
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

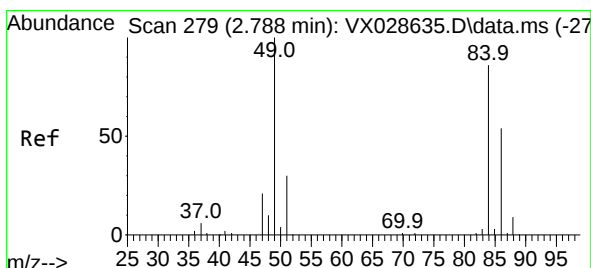
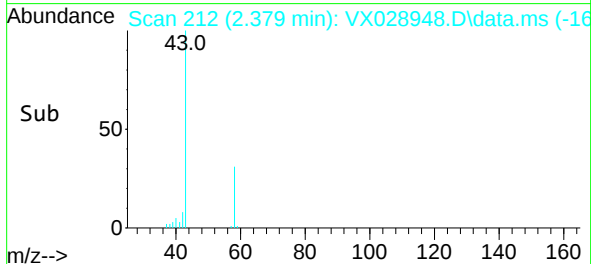
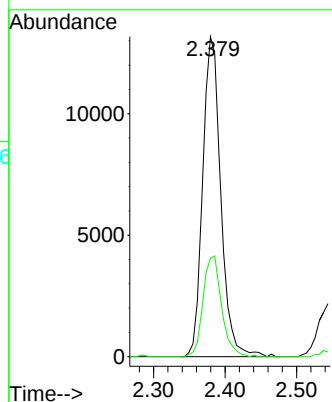
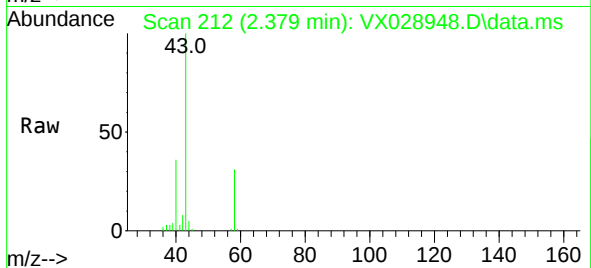




#16
Acetone
Concen: 11.960 ug/l
RT: 2.379 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX028948.D
Acq: 25 May 2022 14:17

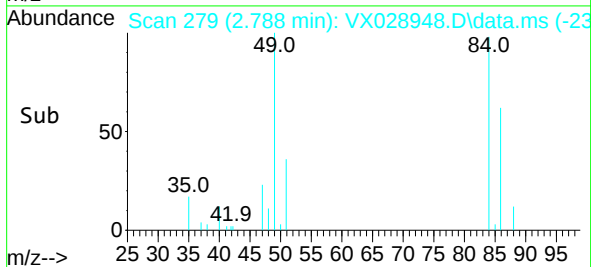
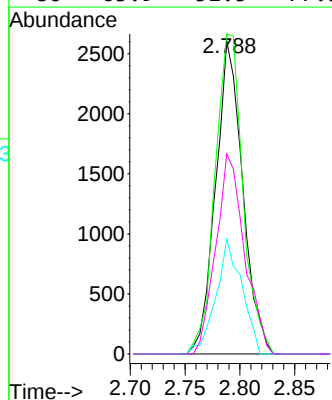
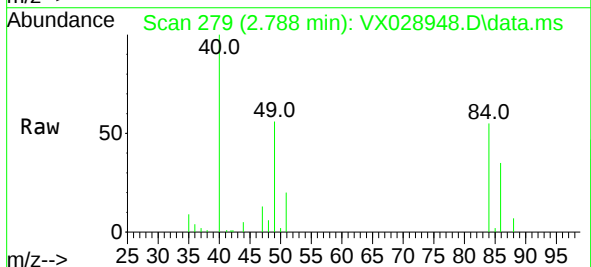
Instrument :
MSVOA_X
ClientSampleId :
RB03-20220520

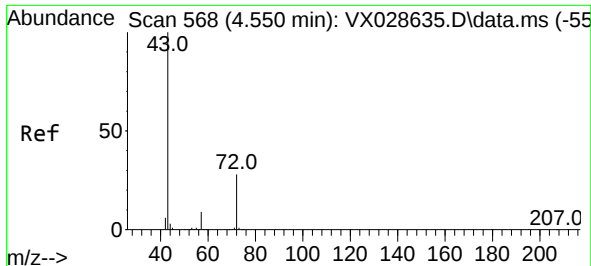
Tgt Ion: 43 Resp: 23119
Ion Ratio Lower Upper
43 100
58 30.7 28.8 43.2



#20
Methylene Chloride
Concen: 1.102 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX028948.D
Acq: 25 May 2022 14:17

Tgt Ion: 84 Resp: 4470
Ion Ratio Lower Upper
84 100
49 102.3 85.5 128.3
51 36.8 26.6 39.8
86 63.9 51.5 77.3

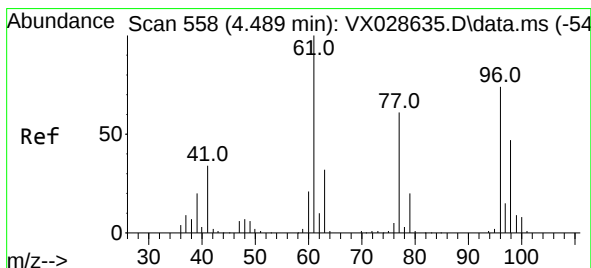
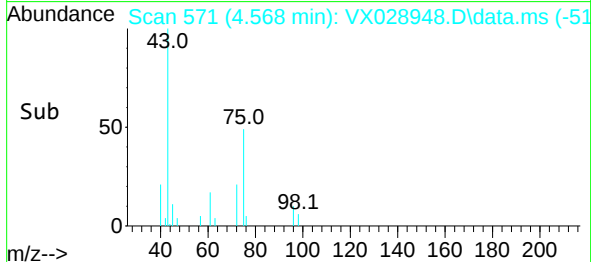
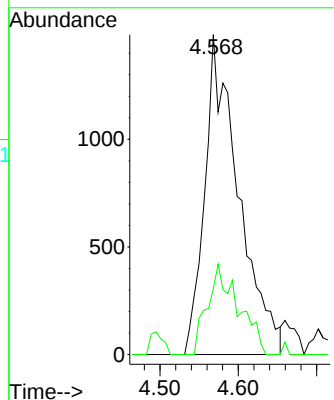
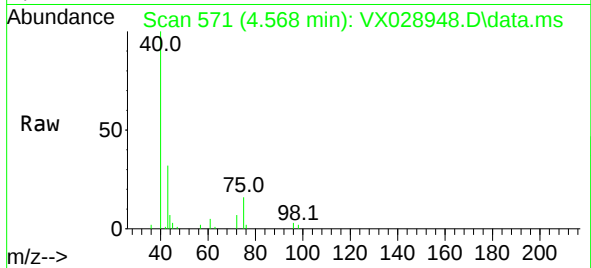




#25
2-Butanone
Concen: 1.464 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX028948.D
Acq: 25 May 2022 14:17

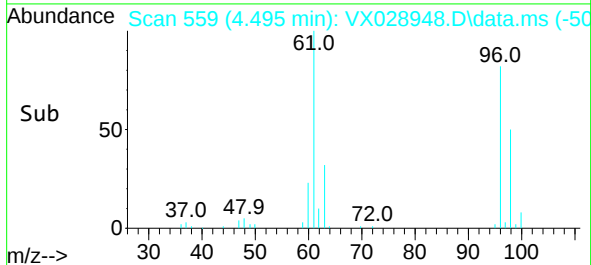
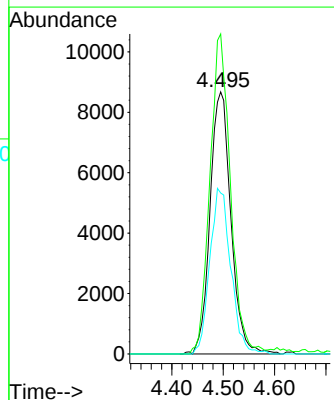
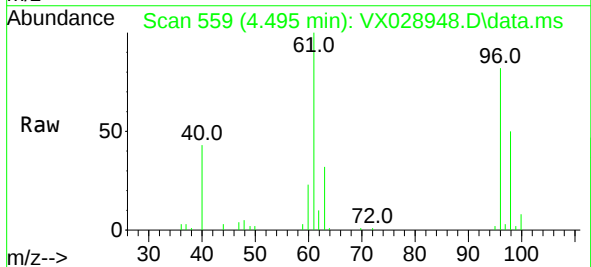
Instrument :
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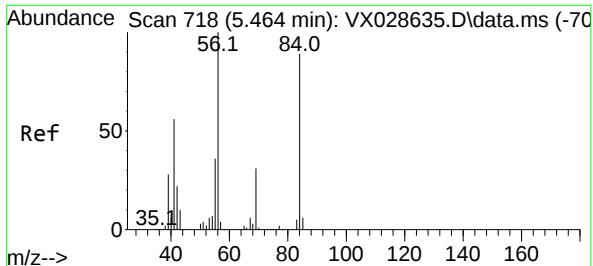
Tgt Ion: 43 Resp: 4442
Ion Ratio Lower Upper
43 100
72 20.6 24.4 36.6#



#27
cis-1,2-Dichloroethene
Concen: 5.470 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.006 min
Lab File: VX028948.D
Acq: 25 May 2022 14:17

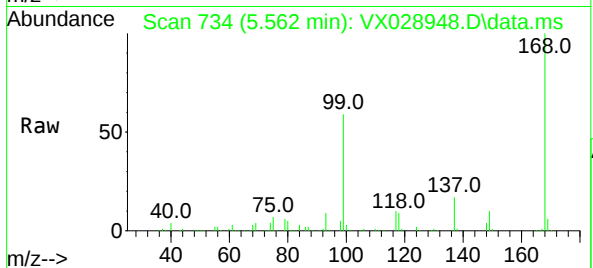
Tgt Ion: 96 Resp: 24470
Ion Ratio Lower Upper
96 100
61 120.2 0.0 283.8
98 63.3 0.0 129.8



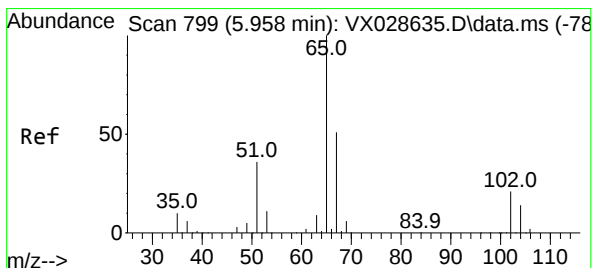
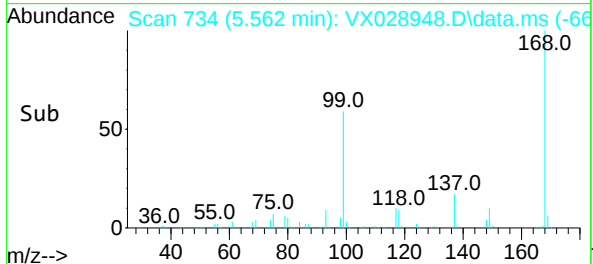
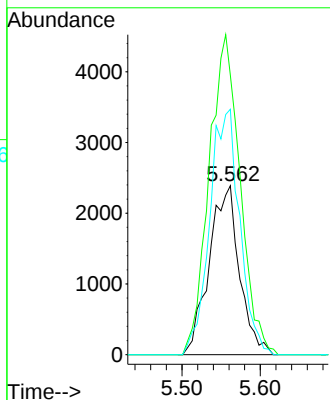


#31
Cyclohexane
Concen: 1.029 ug/l
RT: 5.562 min Scan# 718
Delta R.T. 0.098 min
Lab File: VX028948.D
Acq: 25 May 2022 14:17

Instrument :
MSVOA_X
ClientSampleId :
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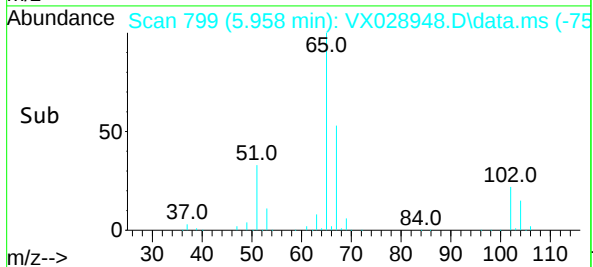
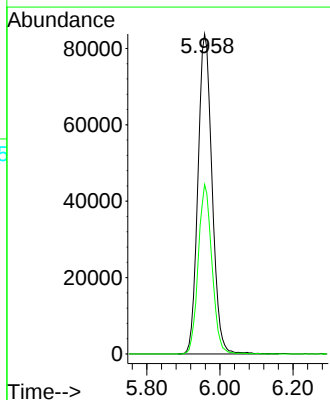
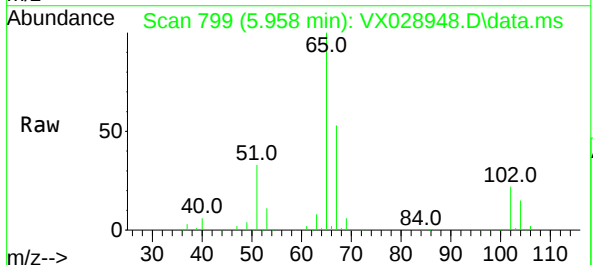


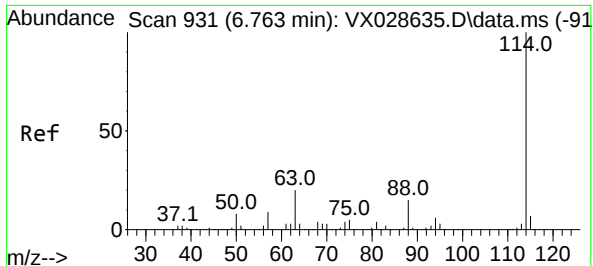
Tgt Ion: 56 Resp: 6433
Ion Ratio Lower Upper
56 100
69 165.3 26.7 40.1#
84 145.2 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 49.966 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX028948.D
Acq: 25 May 2022 14:17

Tgt Ion: 65 Resp: 225043
Ion Ratio Lower Upper
65 100
67 51.3 0.0 107.4

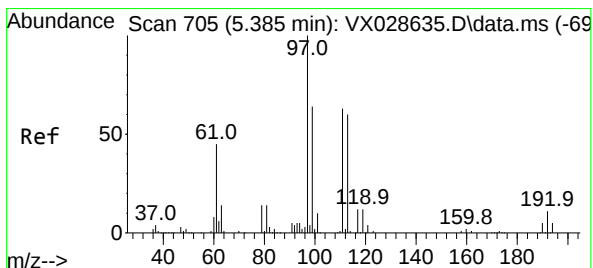
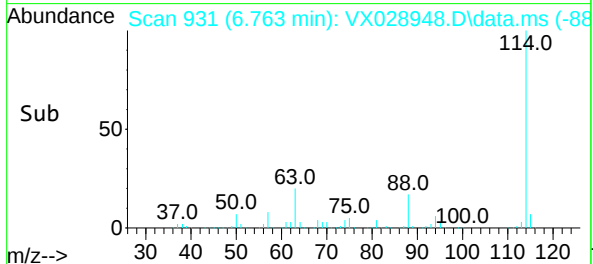
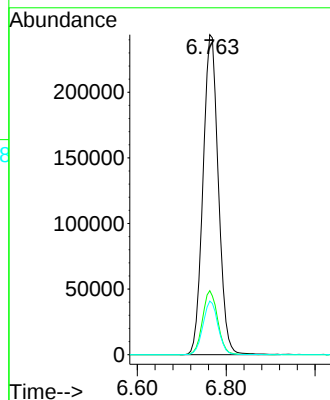
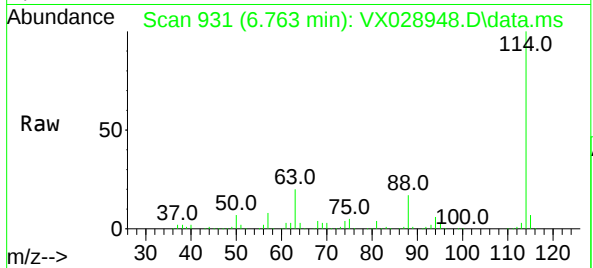




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX028948.D
Acq: 25 May 2022 14:17

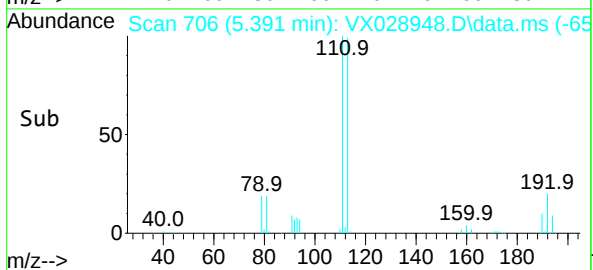
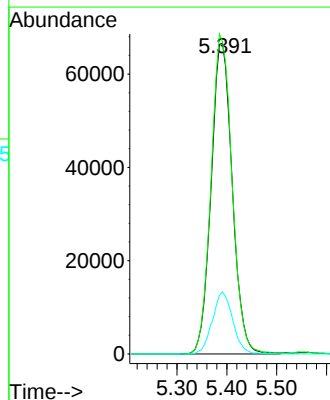
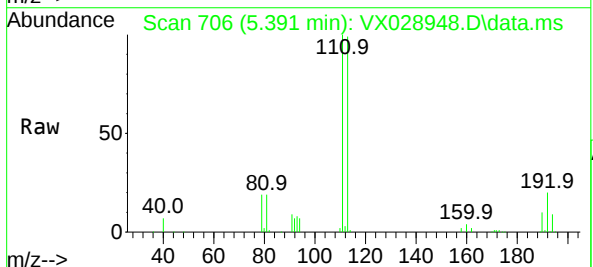
Instrument :
MSVOA_X
ClientSampleId :
RB03-20220520

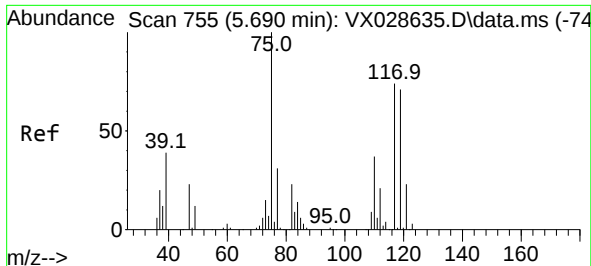
Tgt Ion:114 Resp: 586967
Ion Ratio Lower Upper
114 100
63 20.0 0.0 36.8
88 16.8 0.0 32.4



#35
Dibromofluoromethane
Concen: 51.023 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX028948.D
Acq: 25 May 2022 14:17

Tgt Ion:113 Resp: 196221
Ion Ratio Lower Upper
113 100
111 102.4 82.8 124.2
192 19.3 16.9 25.3

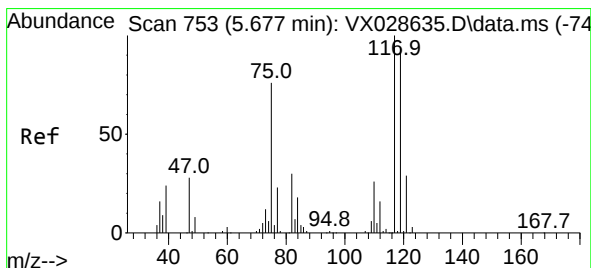
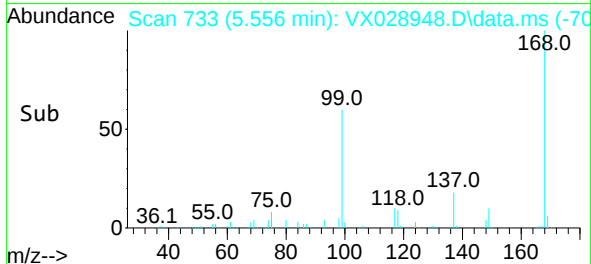
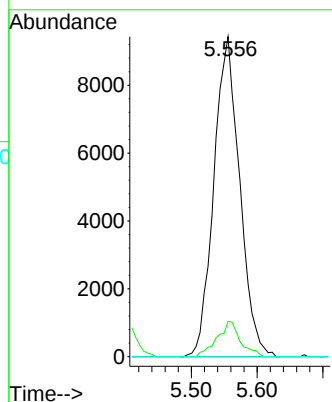
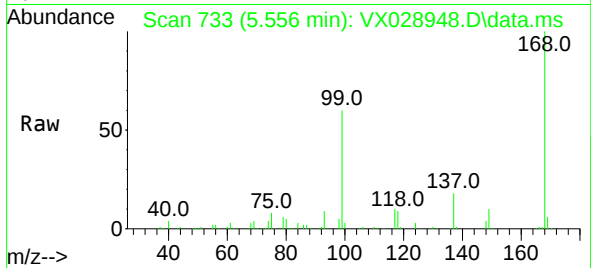




#36
1,1-Dichloropropene
Concen: 4.458 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX028948.D
Acq: 25 May 2022 14:17

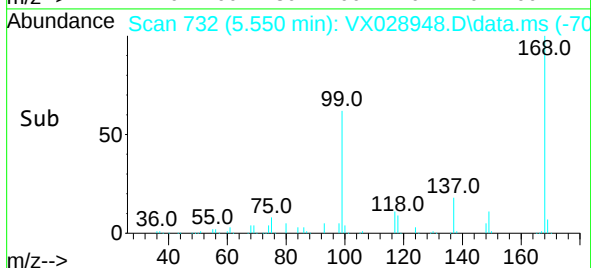
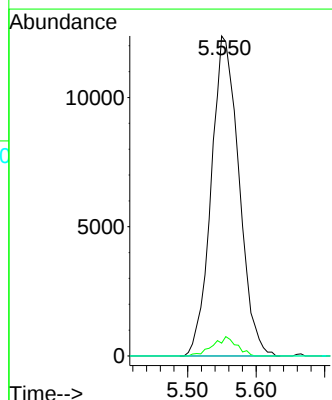
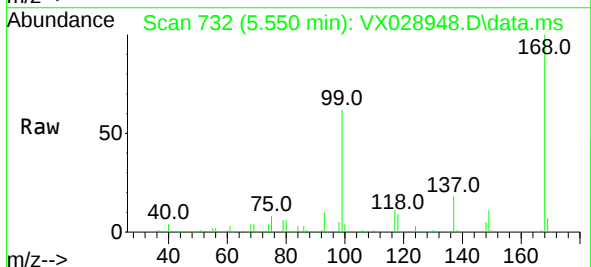
Instrument :
MSVOA_X
ClientSampleId :
RB03-20220520

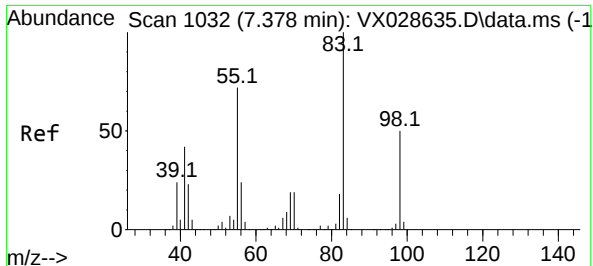
Tgt Ion: 75 Resp: 25750
Ion Ratio Lower Upper
75 100
110 10.0 18.3 54.8#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 5.978 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.127 min
Lab File: VX028948.D
Acq: 25 May 2022 14:17

Tgt Ion: 117 Resp: 34752
Ion Ratio Lower Upper
117 100
119 4.0 77.3 115.9#
121 0.0 24.2 36.2#





#39

Methylcyclohexane

Concen: 0.246 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.249 min

Lab File: VX028948.D

Acq: 25 May 2022 14:17

Instrument :

MSVOA_X

ClientSampleId :

RB03-20220520

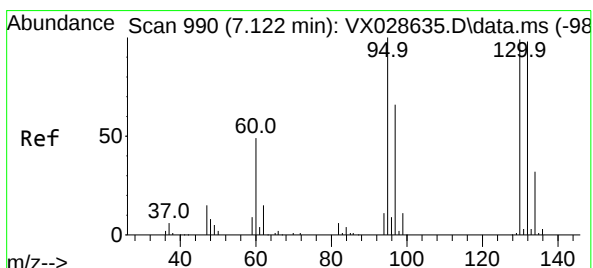
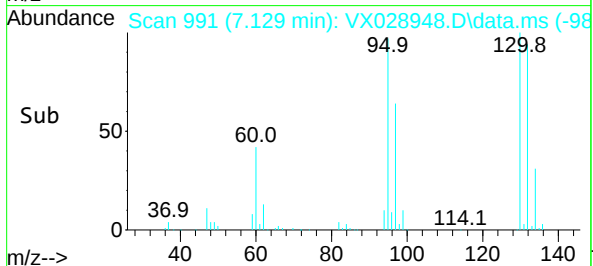
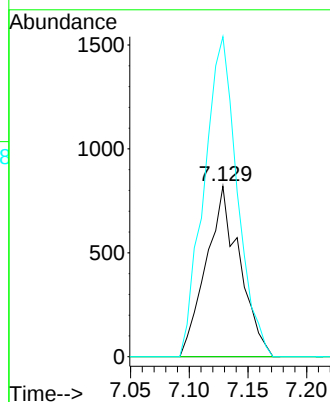
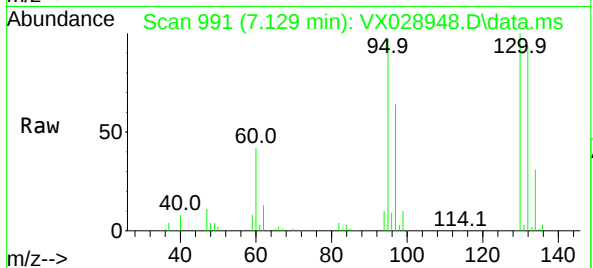
Tgt Ion: 83 Resp: 1628

Ion Ratio Lower Upper

83 100

55 0.0 54.6 81.8#

98 187.8 37.4 56.2#



#44

Trichloroethene

Concen: 28.023 ug/l

RT: 7.129 min Scan# 991

Delta R.T. 0.007 min

Lab File: VX028948.D

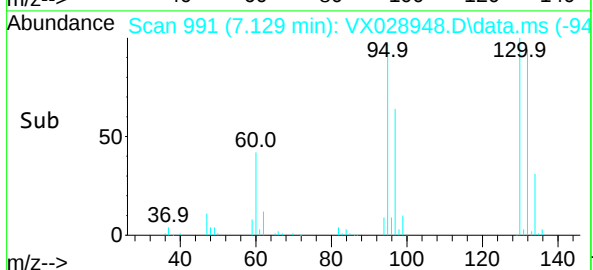
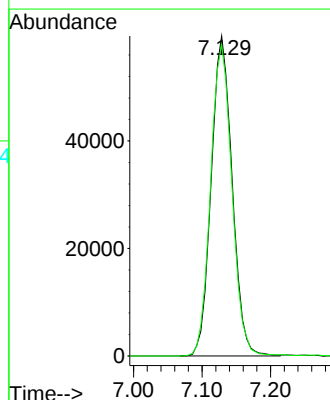
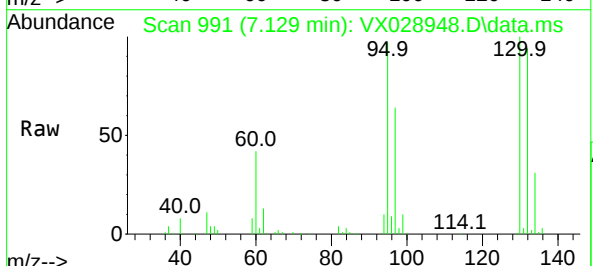
Acq: 25 May 2022 14:17

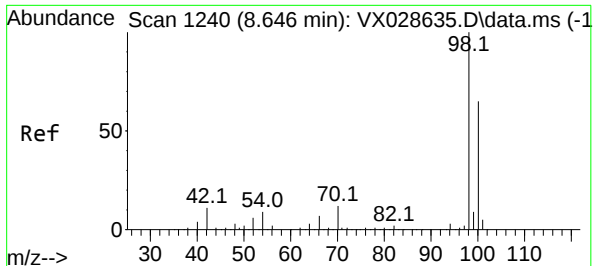
Tgt Ion:130 Resp: 126165

Ion Ratio Lower Upper

130 100

95 97.3 0.0 188.8

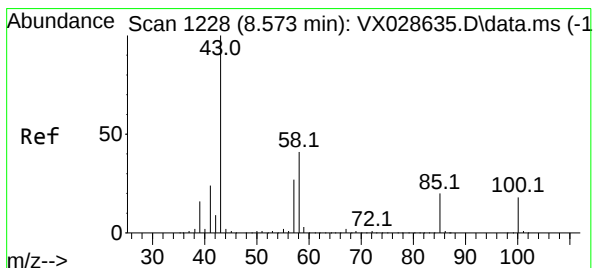
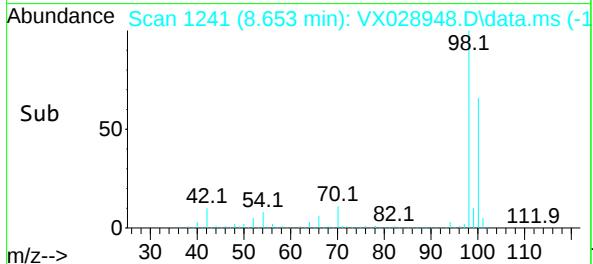
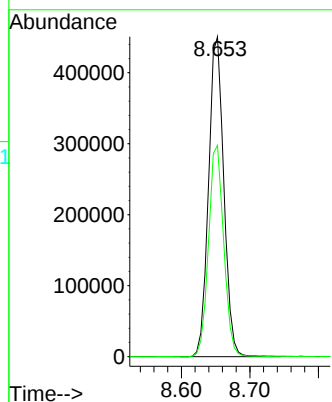
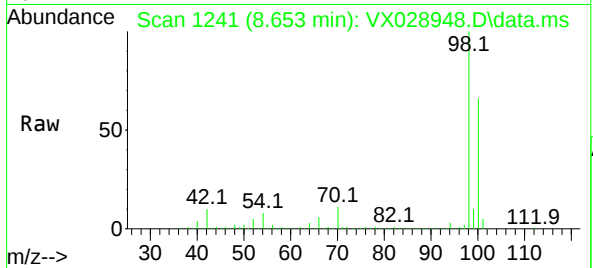




#50
Toluene-d8
Concen: 48.066 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.007 min
Lab File: VX028948.D
Acq: 25 May 2022 14:17

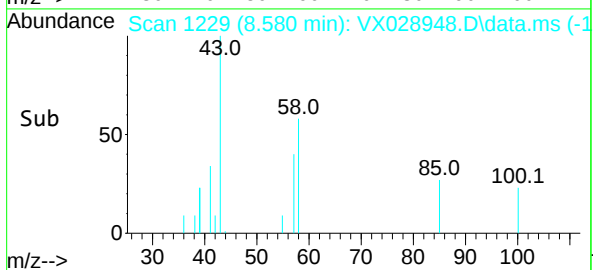
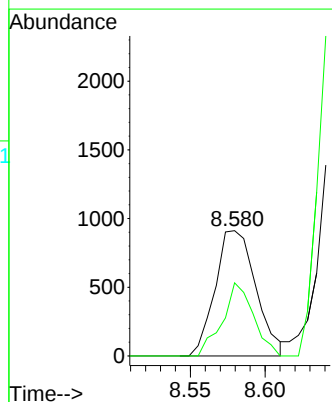
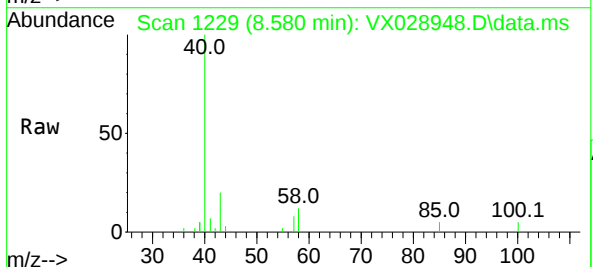
Instrument :
MSVOA_X
ClientSampleId :
RB03-20220520

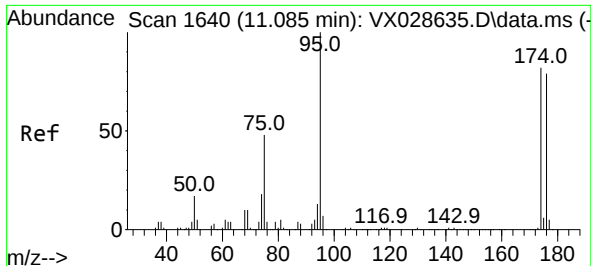
Tgt Ion: 98 Resp: 696914
Ion Ratio Lower Upper
98 100
100 65.9 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.278 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.007 min
Lab File: VX028948.D
Acq: 25 May 2022 14:17

Tgt Ion: 43 Resp: 1726
Ion Ratio Lower Upper
43 100
58 44.4 36.1 54.1

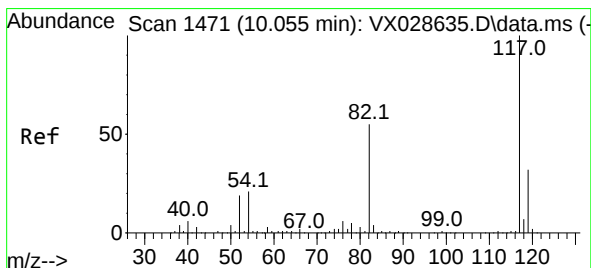
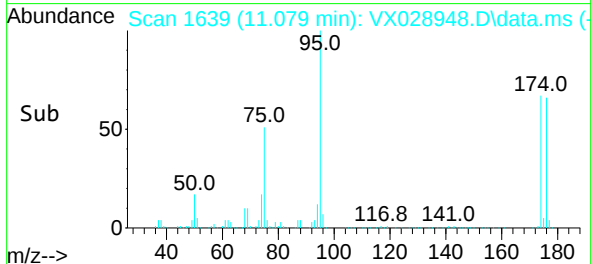
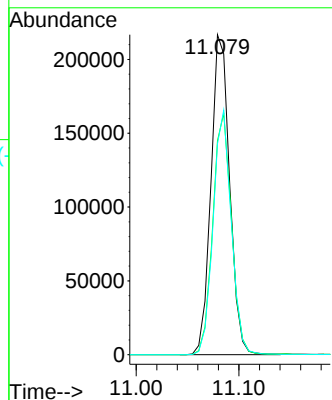
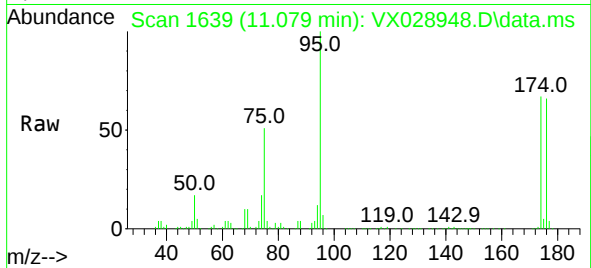




#62
4-Bromofluorobenzene
Concen: 50.540 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX028948.D
Acq: 25 May 2022 14:17

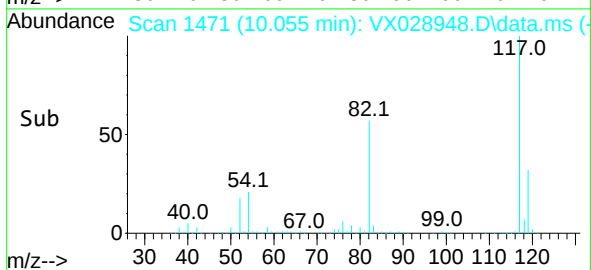
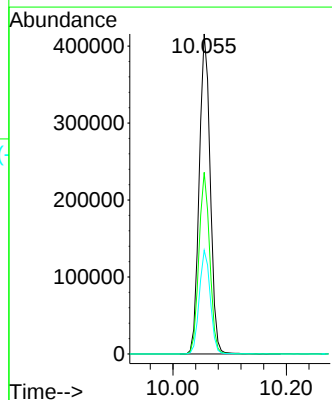
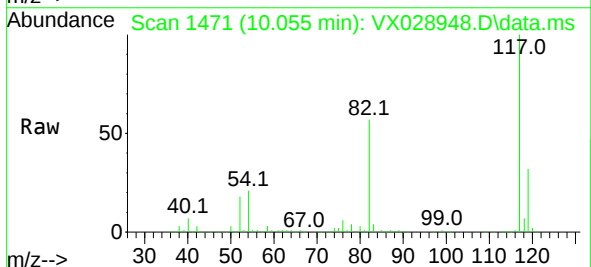
Instrument :
MSVOA_X
ClientSampleId :
RB03-20220520

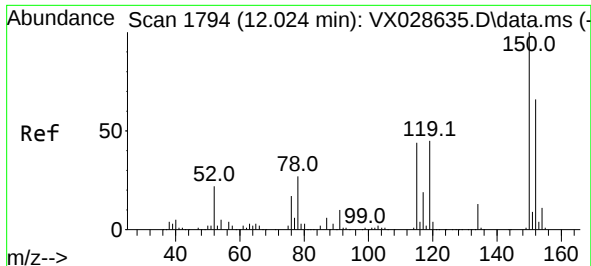
Tgt Ion: 95 Resp: 273702
Ion Ratio Lower Upper
95 100
174 75.2 0.0 163.0
176 74.4 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX028948.D
Acq: 25 May 2022 14:17

Tgt Ion: 117 Resp: 559068
Ion Ratio Lower Upper
117 100
82 56.8 41.8 62.8
119 32.4 24.8 37.2

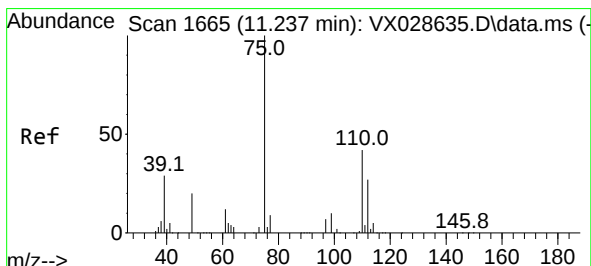
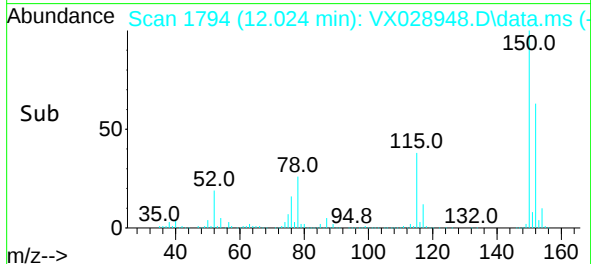
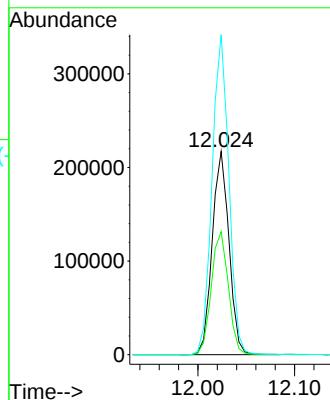
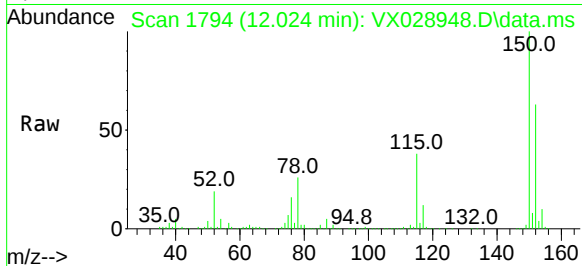




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX028948.D
 Acq: 25 May 2022 14:17

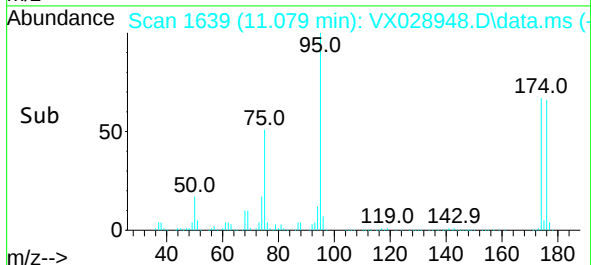
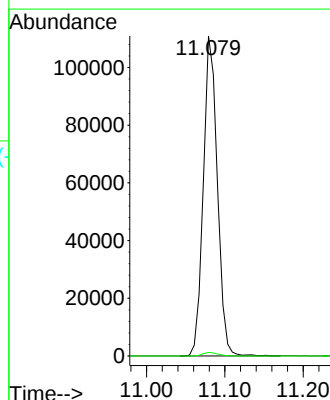
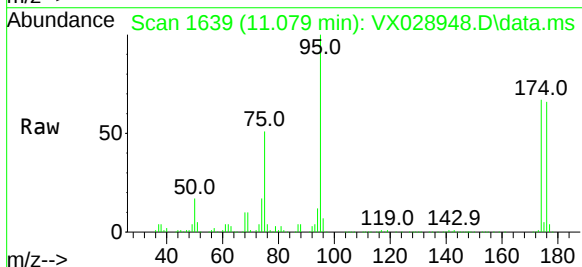
Instrument :
 MSVOA_X
 ClientSampleId :
 RB03-20220520

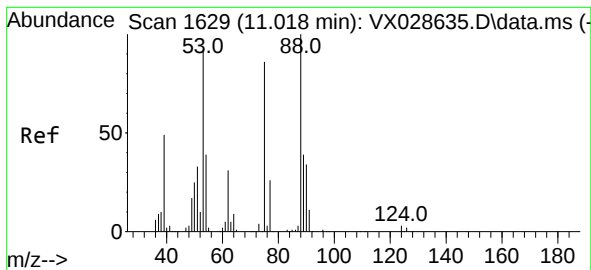
Tgt Ion:152 Resp: 260928
 Ion Ratio Lower Upper
 152 100
 115 61.5 37.5 112.7
 150 157.5 0.0 338.2



#76
 1,2,3-Trichloropropane
 Concen: 22.560 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.158 min
 Lab File: VX028948.D
 Acq: 25 May 2022 14:17

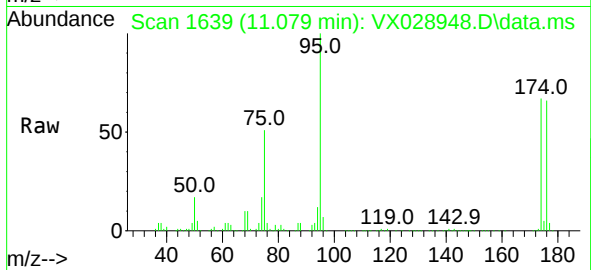
Tgt Ion: 75 Resp: 137858
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.4 58.2#





#81
trans-1,4-Dichloro-2-butene
Concen: 65.963 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX028948.D
Acq: 25 May 2022 14:17

Instrument :
MSVOA_X
ClientSampleId :
RB03-20220520



Tgt Ion: 75 Resp: 137858
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#

