

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052422\
 Data File : VX028931.D
 Acq On : 24 May 2022 19:02
 Operator : JC/MD
 Sample : N2954-15
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RB-220518

Quant Time: May 25 01:51:30 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)

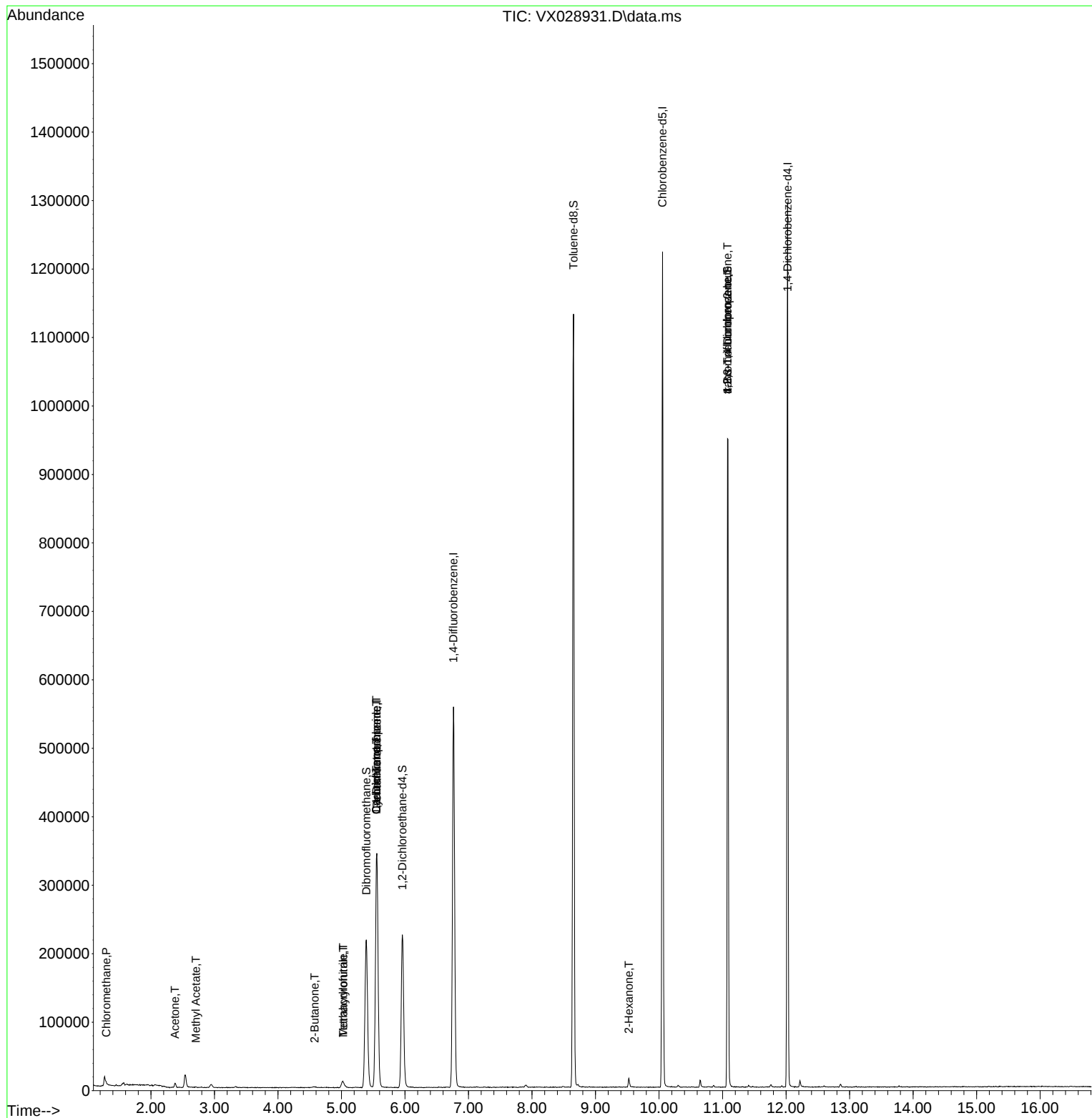
Internal Standards						
1) Pentafluorobenzene	5.556	168	321885	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	575791	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	549933	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	254518	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	223146	50.574	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 101.140%	
35) Dibromofluoromethane	5.391	113	190829	50.584	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 101.160%	
50) Toluene-d8	8.653	98	683036	48.023	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 96.040%	
62) 4-Bromofluorobenzene	11.079	95	269567	50.743	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 101.480%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	911	0.230	ug/l	91
5) Bromomethane	1.617	94	730	Below Cal		95
6) Chloroethane	1.636	64	556	Below Cal	#	81
11) Tert butyl alcohol	2.947	59	3427	Below Cal	#	72
16) Acetone	2.380	43	6643	3.508	ug/l	92
18) Methyl Acetate	2.709	43	1122	0.237	ug/l #	77
25) 2-Butanone	4.574	43	841	0.283	ug/l #	44
29) Tetrahydrofuran	5.025	42	8836	4.573	ug/l	91
31) Cyclohexane	5.550	56	6241	1.019	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	25028	4.417	ug/l #	50
38) Carbon Tetrachloride	5.550	117	34326	6.020	ug/l #	15
41) Methacrylonitrile	5.025	41	5367	1.691	ug/l #	39
59) 2-Hexanone	9.525	43	1899	0.401	ug/l #	39
76) 1,2,3-Trichloropropane	11.079	75	136566	22.912	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	136566	66.930	ug/l #	15

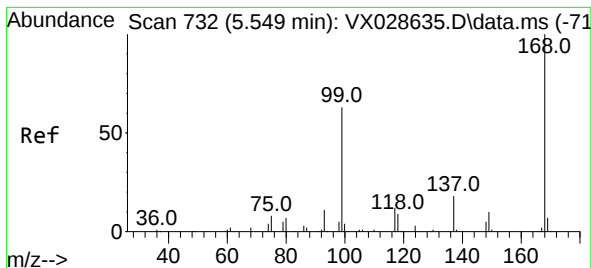
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051222W.M
Quant Title : SW846 8260
QLast Update : Thu May 12 14:58:53 2022
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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: VX028931.D

Acq: 24 May 2022 19:02

Instrument :

MSVOA_X

ClientSampleId :

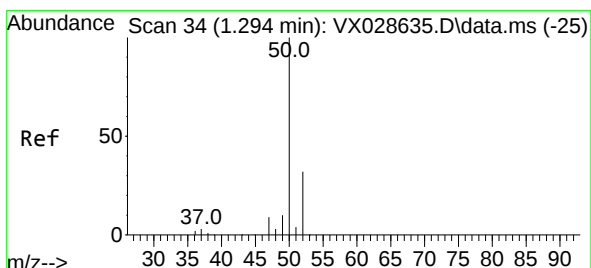
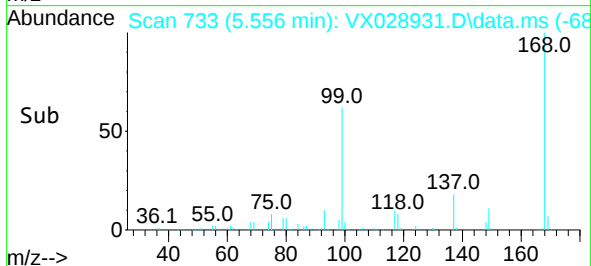
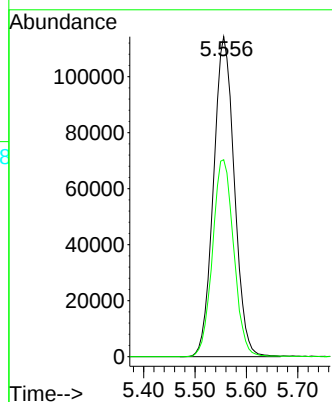
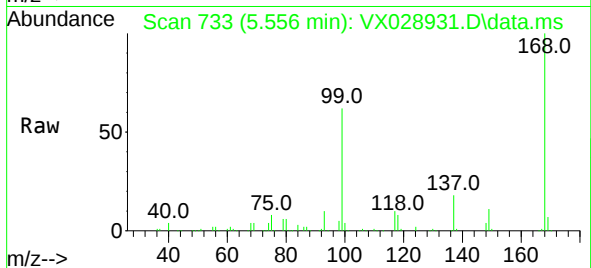
RB-220518

Tgt Ion:168 Resp: 321885

Ion Ratio Lower Upper

168 100

99 61.6 41.7 62.5



#3

Chloromethane

Concen: 0.230 ug/l

RT: 1.294 min Scan# 34

Delta R.T. 0.000 min

Lab File: VX028931.D

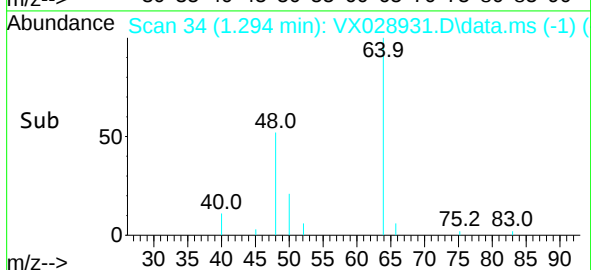
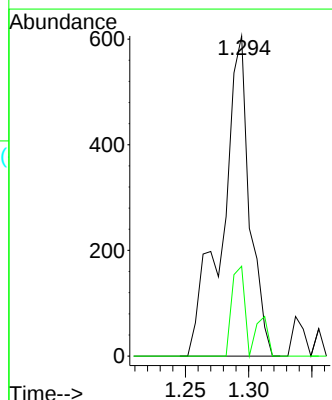
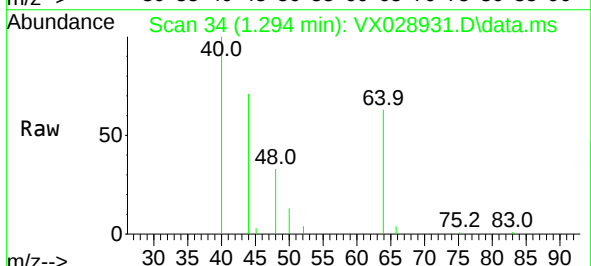
Acq: 24 May 2022 19:02

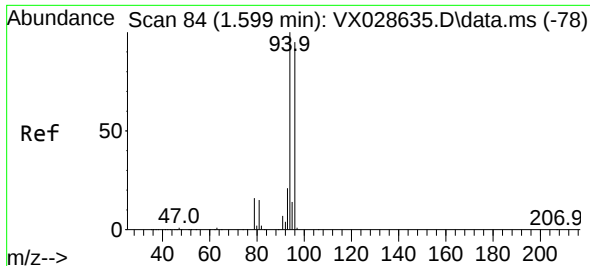
Tgt Ion: 50 Resp: 911

Ion Ratio Lower Upper

50 100

52 28.1 26.4 39.6

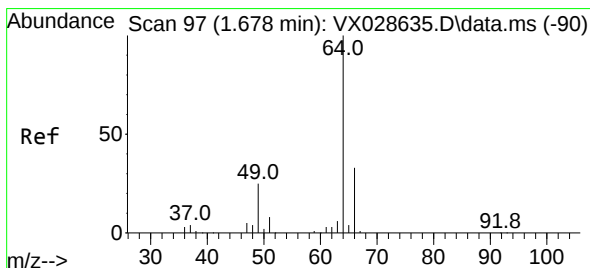
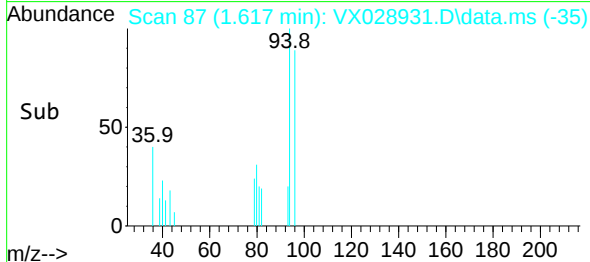
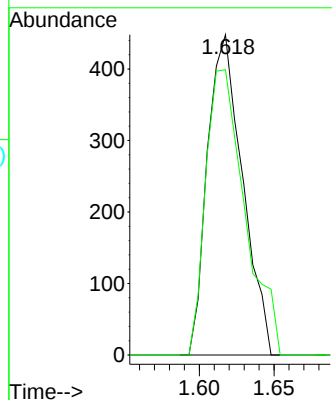
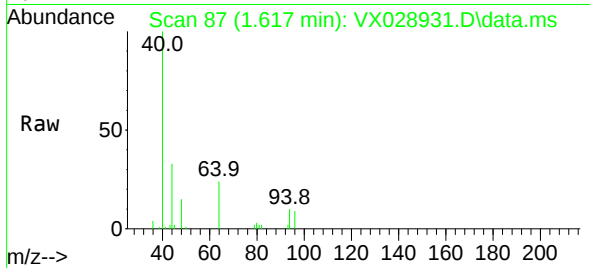




#5
Bromomethane
Concen: Below Cal
RT: 1.617 min Scan# 81
Delta R.T. 0.018 min
Lab File: VX028931.D
Acq: 24 May 2022 19:02

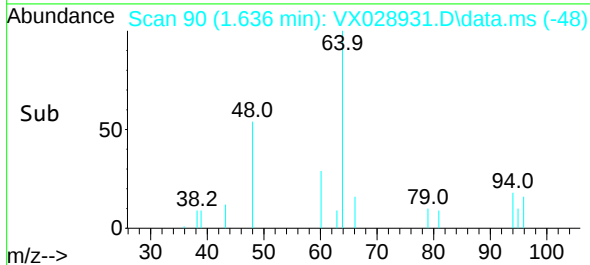
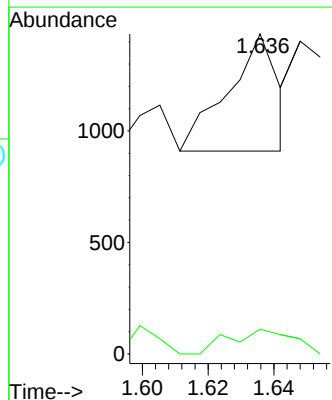
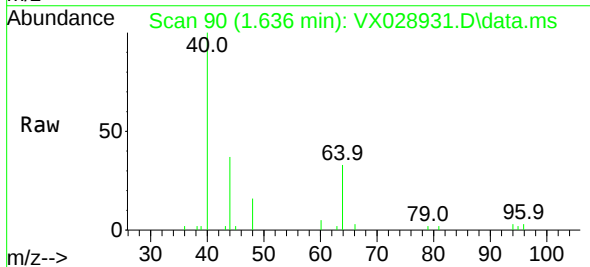
Instrument :
MSVOA_X
ClientSampleId :
RB-220518

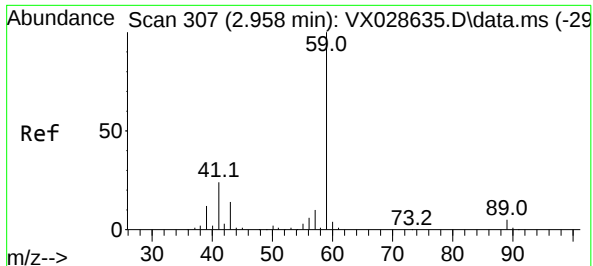
Tgt Ion: 94 Resp: 730
Ion Ratio Lower Upper
94 100
96 89.1 75.3 112.9



#6
Chloroethane
Concen: Below Cal
RT: 1.636 min Scan# 90
Delta R.T. -0.042 min
Lab File: VX028931.D
Acq: 24 May 2022 19:02

Tgt Ion: 64 Resp: 556
Ion Ratio Lower Upper
64 100
66 21.1 25.3 37.9#

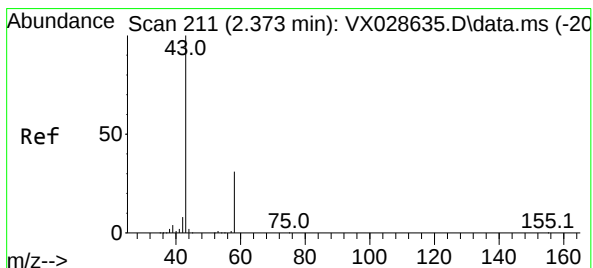
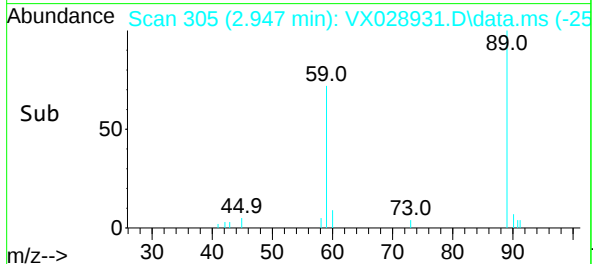
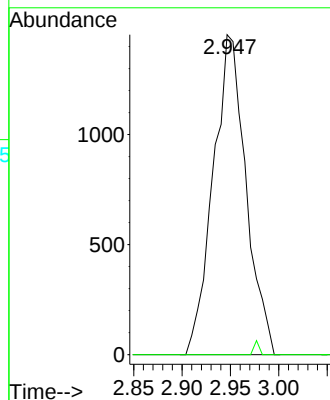
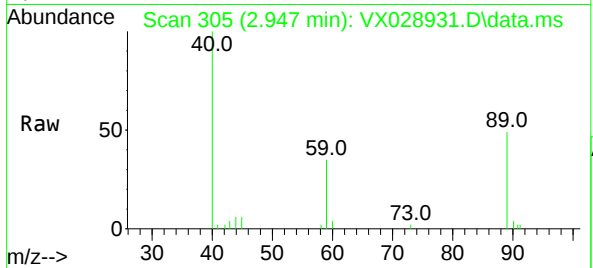




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.947 min Scan# 307
Delta R.T. -0.011 min
Lab File: VX028931.D
Acq: 24 May 2022 19:02

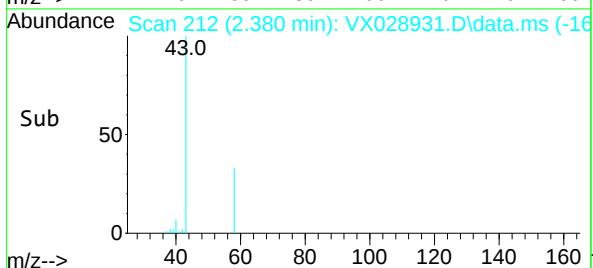
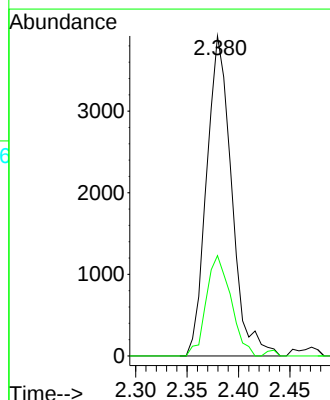
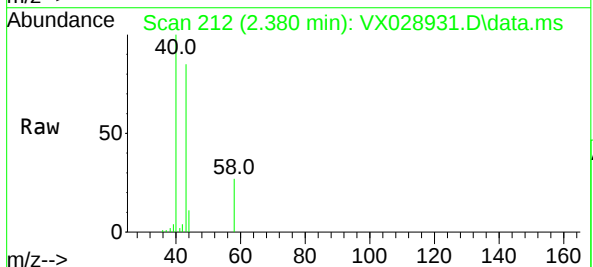
Instrument :
MSVOA_X
ClientSampleId :
RB-220518

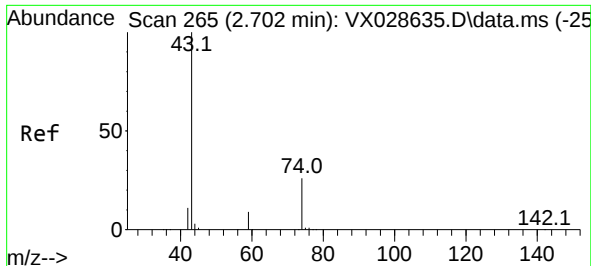
Tgt Ion: 59 Resp: 3427
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 3.508 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.007 min
Lab File: VX028931.D
Acq: 24 May 2022 19:02

Tgt Ion: 43 Resp: 6643
Ion Ratio Lower Upper
43 100
58 31.4 28.8 43.2

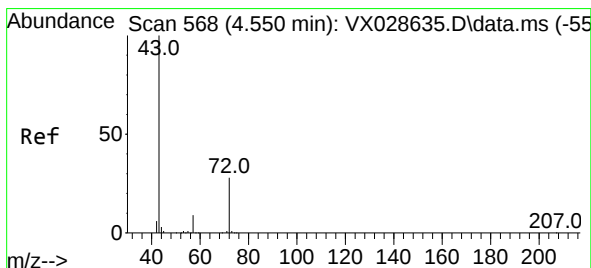
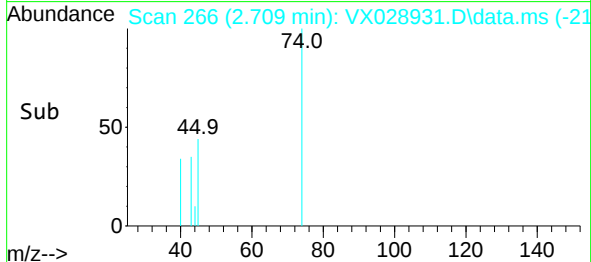
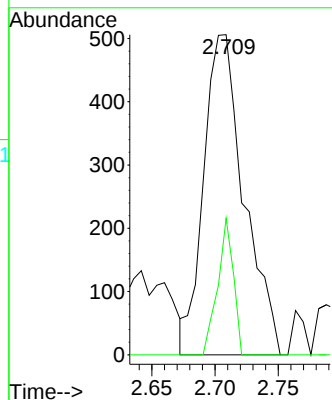
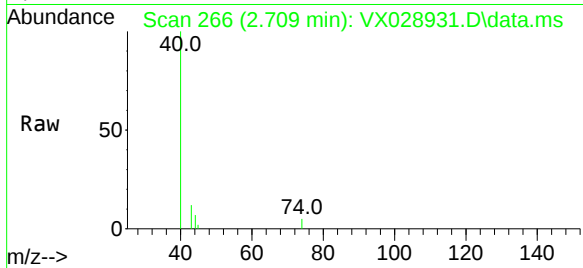




#18
Methyl Acetate
Concen: 0.237 ug/l
RT: 2.709 min Scan# 21
Delta R.T. 0.007 min
Lab File: VX028931.D
Acq: 24 May 2022 19:02

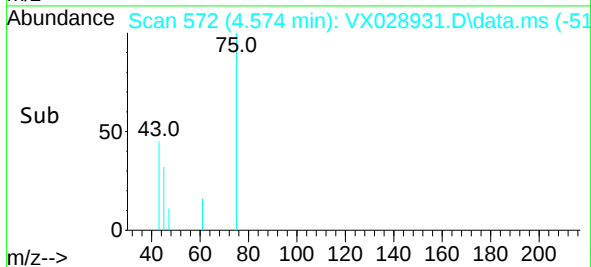
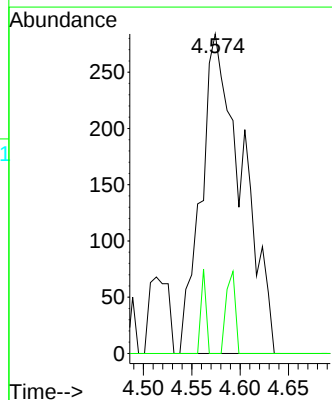
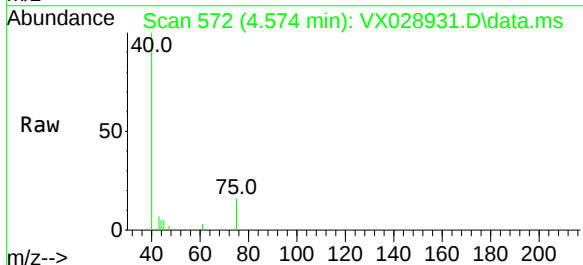
Instrument :
MSVOA_X
ClientSampleId :
RB-220518

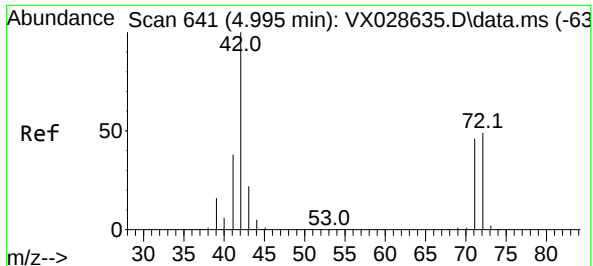
Tgt Ion: 43 Resp: 1122
Ion Ratio Lower Upper
43 100
74 16.5 22.8 34.2#



#25
2-Butanone
Concen: 0.283 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.024 min
Lab File: VX028931.D
Acq: 24 May 2022 19:02

Tgt Ion: 43 Resp: 841
Ion Ratio Lower Upper
43 100
72 0.0 24.4 36.6#





#29

Tetrahydrofuran

Concen: 4.573 ug/l

RT: 5.025 min Scan# 641

Delta R.T. 0.030 min

Lab File: VX028931.D

Acq: 24 May 2022 19:02

Instrument :

MSVOA_X

ClientSampleId :

RB-220518

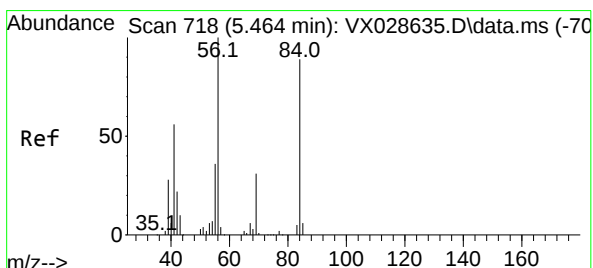
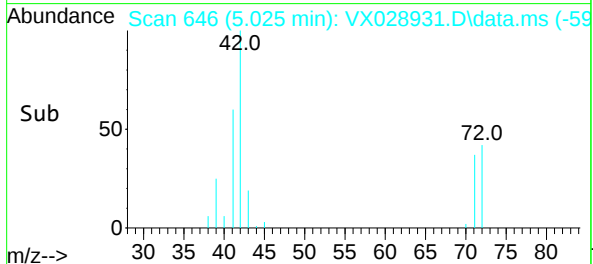
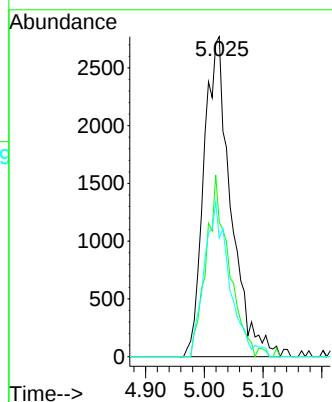
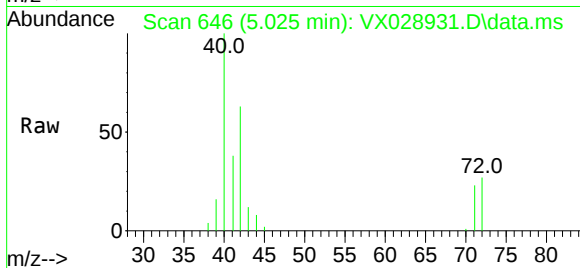
Tgt Ion: 42 Resp: 8836

Ion Ratio Lower Upper

42 100

72 47.3 44.1 66.1

71 45.2 40.5 60.7



#31

Cyclohexane

Concen: 1.019 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.086 min

Lab File: VX028931.D

Acq: 24 May 2022 19:02

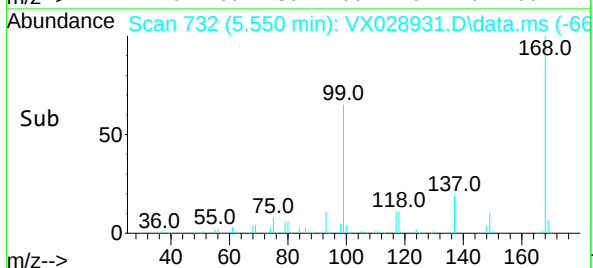
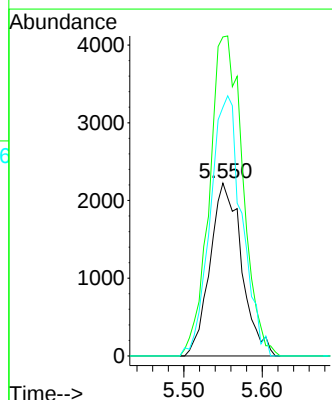
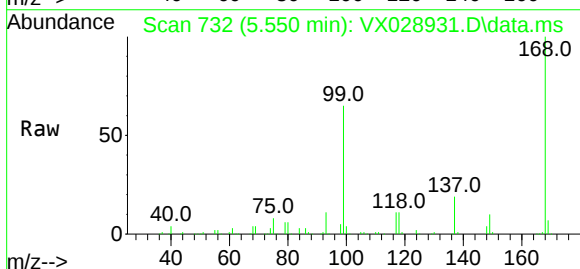
Tgt Ion: 56 Resp: 6241

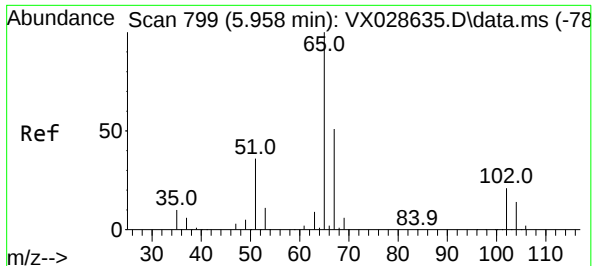
Ion Ratio Lower Upper

56 100

69 184.6 26.7 40.1#

84 143.9 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 50.574 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX028931.D

Acq: 24 May 2022 19:02

Instrument :

MSVOA_X

ClientSampleId :

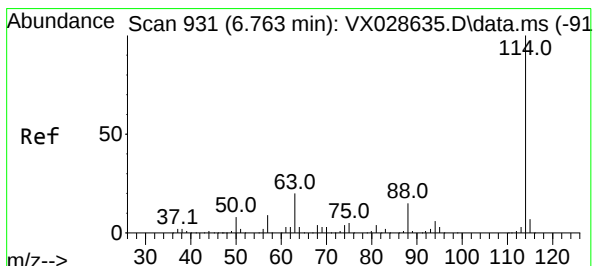
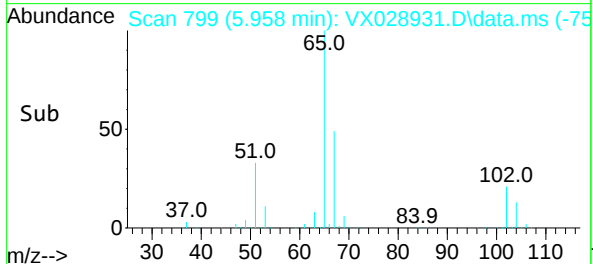
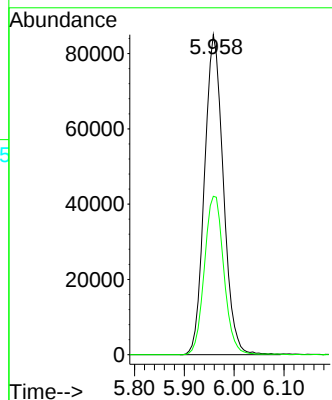
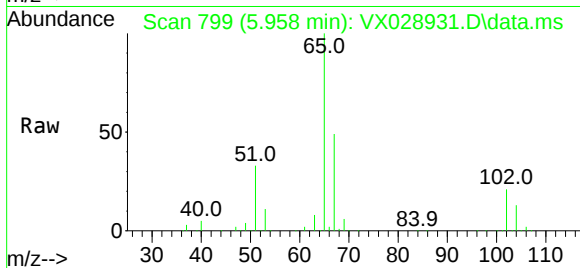
RB-220518

Tgt Ion: 65 Resp: 223146

Ion Ratio Lower Upper

65 100

67 51.0 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX028931.D

Acq: 24 May 2022 19:02

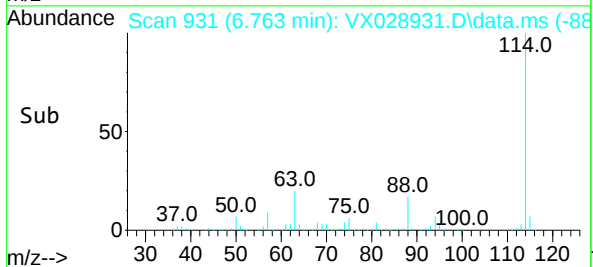
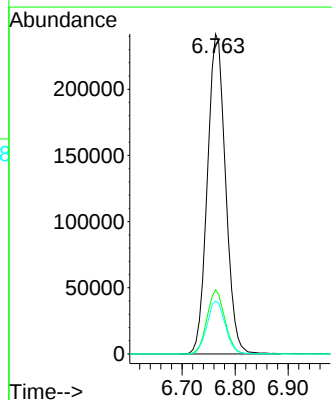
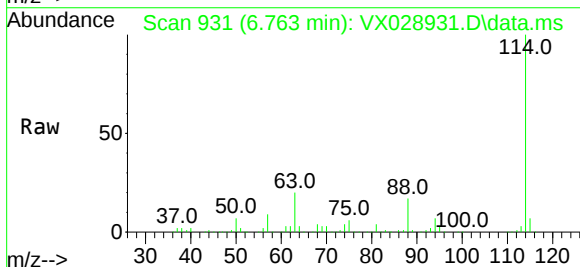
Tgt Ion: 114 Resp: 575791

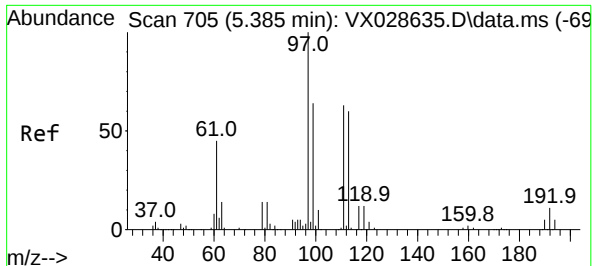
Ion Ratio Lower Upper

114 100

63 20.1 0.0 36.8

88 16.5 0.0 32.4





#35

Dibromofluoromethane

Concen: 50.584 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX028931.D

Acq: 24 May 2022 19:02

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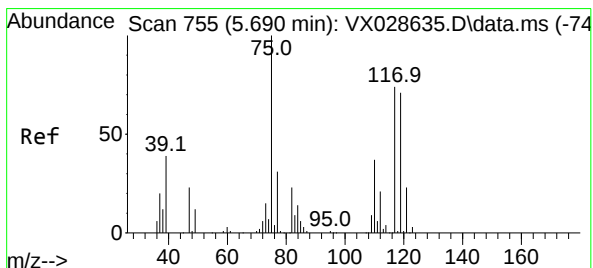
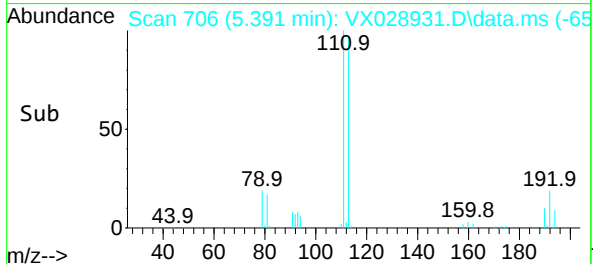
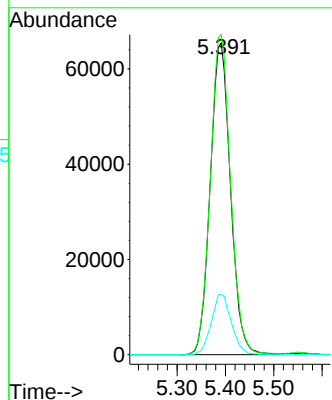
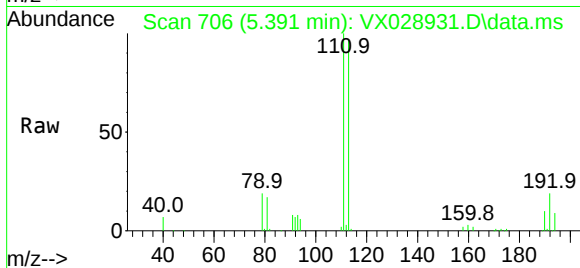
Tgt Ion:113 Resp: 190829

Ion Ratio Lower Upper

113 100

111 103.0 82.8 124.2

192 19.2 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.417 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.140 min

Lab File: VX028931.D

Acq: 24 May 2022 19:02

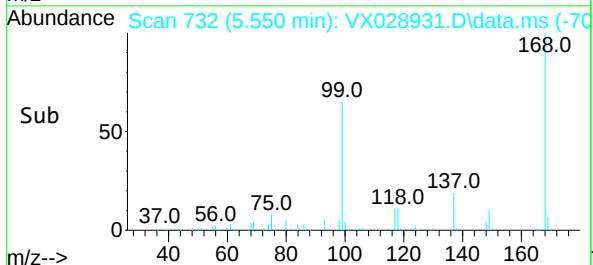
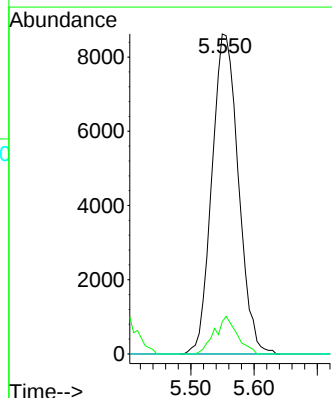
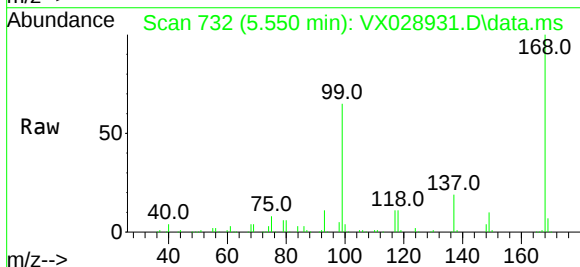
Tgt Ion: 75 Resp: 25028

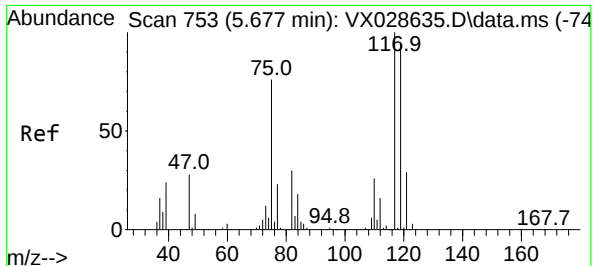
Ion Ratio Lower Upper

75 100

110 10.0 18.3 54.8#

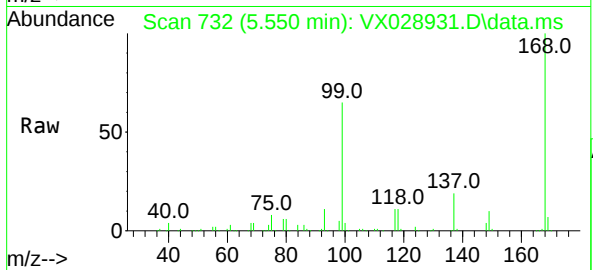
77 0.0 24.8 37.2#



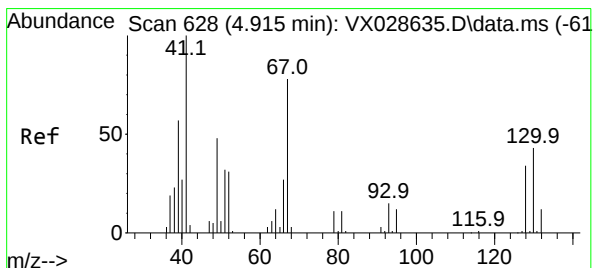
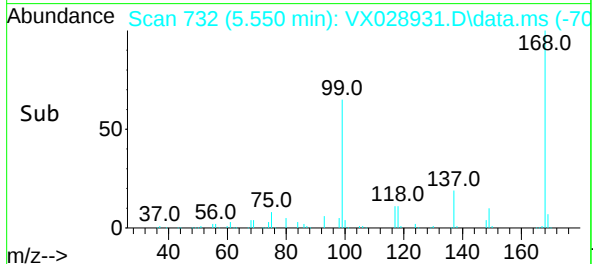
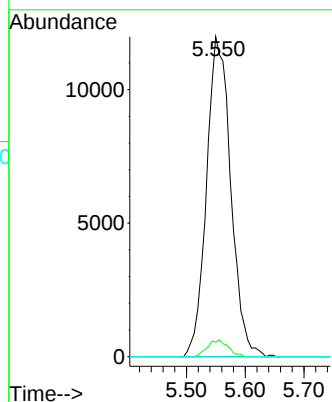


#38
Carbon Tetrachloride
Concen: 6.020 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.127 min
Lab File: VX028931.D
Acq: 24 May 2022 19:02

Instrument :
MSVOA_X
ClientSampleId :
RB-220518

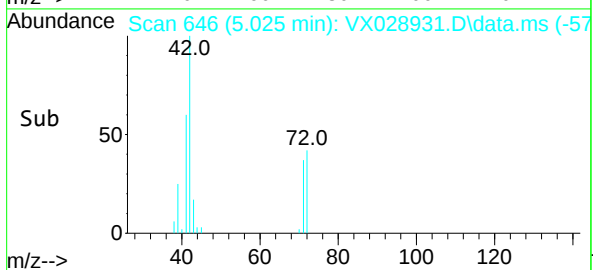
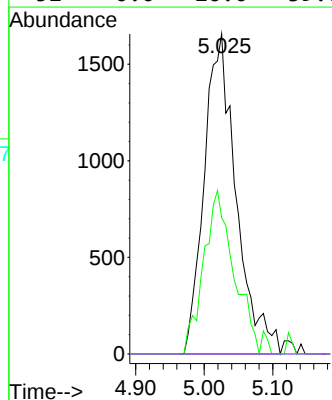
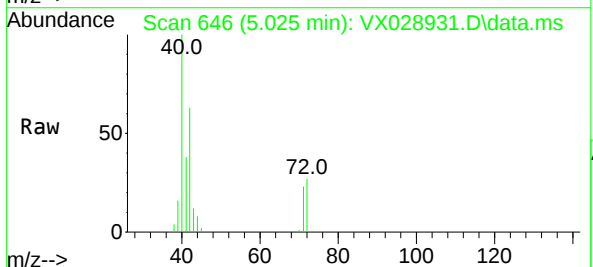


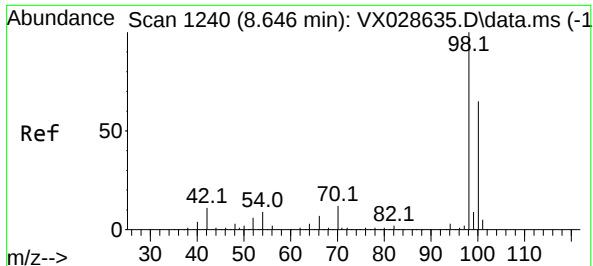
Tgt Ion: 117 Resp: 34326
Ion Ratio Lower Upper
117 100
119 4.5 77.3 115.9#
121 0.0 24.2 36.2#



#41
Methacrylonitrile
Concen: 1.691 ug/l
RT: 5.025 min Scan# 646
Delta R.T. 0.110 min
Lab File: VX028931.D
Acq: 24 May 2022 19:02

Tgt Ion: 41 Resp: 5367
Ion Ratio Lower Upper
41 100
39 48.4 43.0 64.4
67 0.0 70.2 105.4#
52 0.0 26.0 39.0#

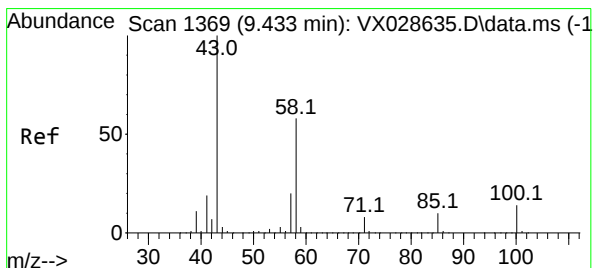
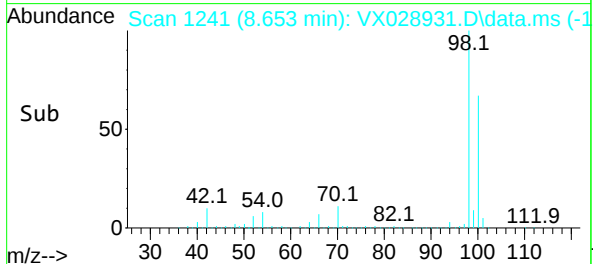
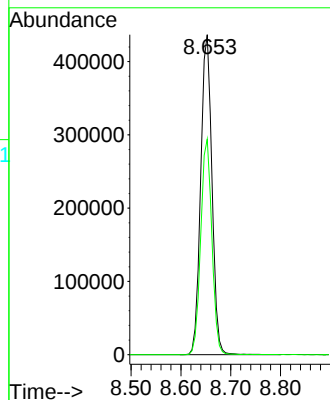
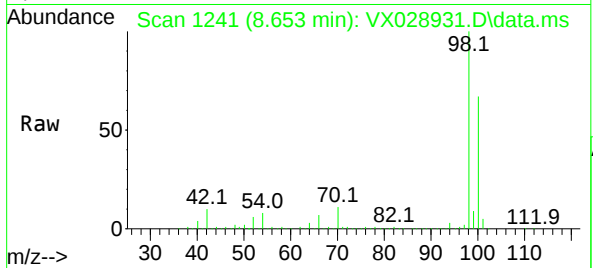




#50
Toluene-d8
Concen: 48.023 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.007 min
Lab File: VX028931.D
Acq: 24 May 2022 19:02

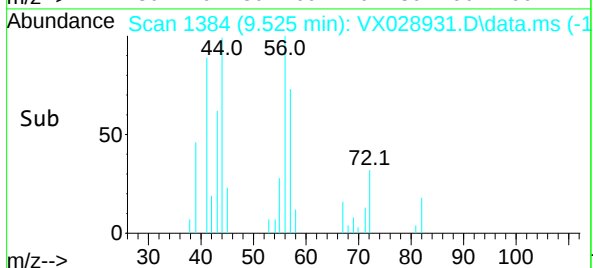
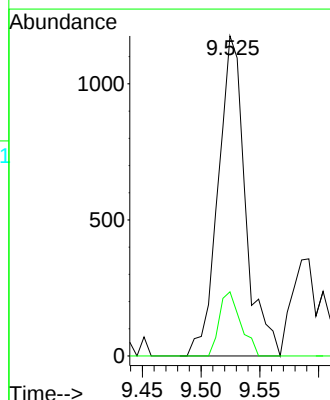
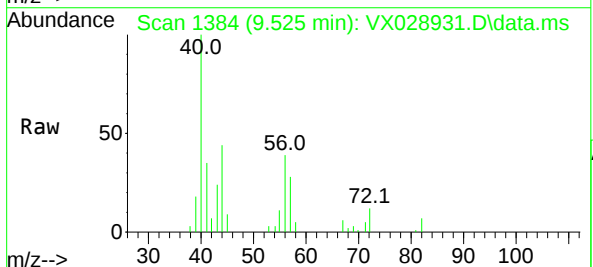
Instrument :
MSVOA_X
ClientSampleId :
RB-220518

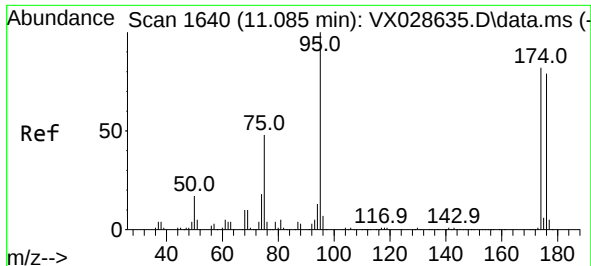
Tgt Ion: 98 Resp: 683036
Ion Ratio Lower Upper
98 100
100 66.8 52.6 78.8



#59
2-Hexanone
Concen: 0.401 ug/l
RT: 9.525 min Scan# 1384
Delta R.T. 0.092 min
Lab File: VX028931.D
Acq: 24 May 2022 19:02

Tgt Ion: 43 Resp: 1899
Ion Ratio Lower Upper
43 100
58 15.8 31.9 95.7#





#62

4-Bromofluorobenzene

Concen: 50.743 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.006 min

Lab File: VX028931.D

Acq: 24 May 2022 19:02

Instrument :

MSVOA_X

ClientSampleId :

RB-220518

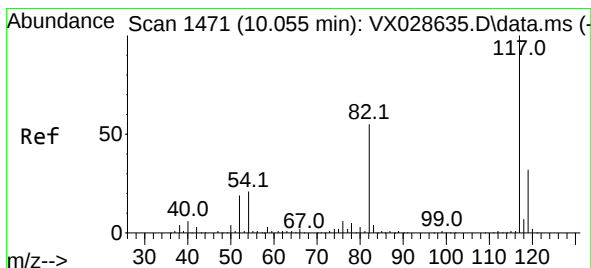
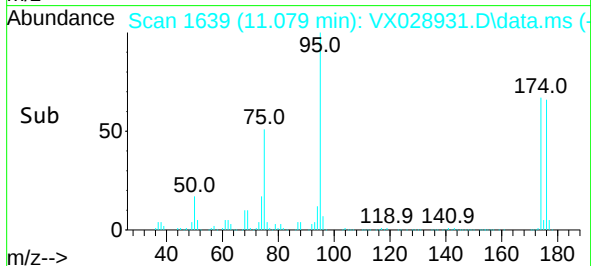
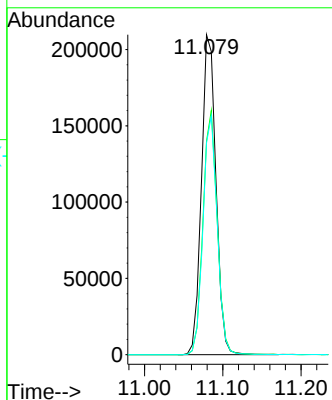
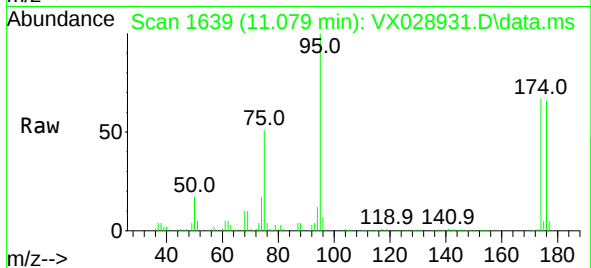
Tgt Ion: 95 Resp: 269567

Ion Ratio Lower Upper

95 100

174 74.7 0.0 163.0

176 73.1 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: VX028931.D

Acq: 24 May 2022 19:02

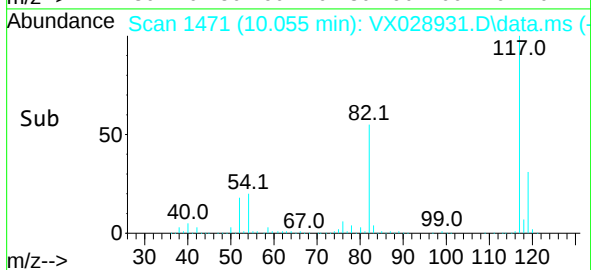
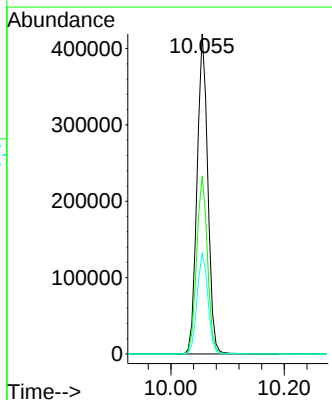
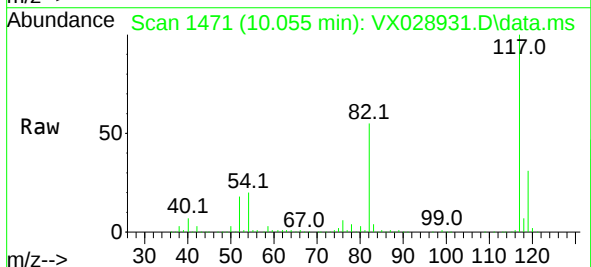
Tgt Ion: 117 Resp: 549933

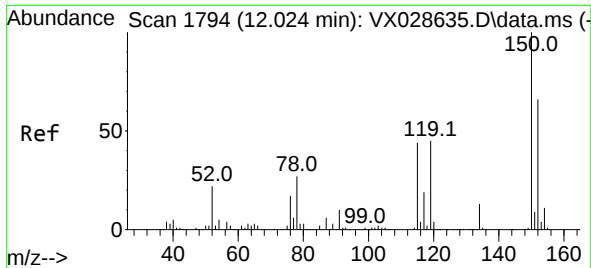
Ion Ratio Lower Upper

117 100

82 55.5 41.8 62.8

119 31.4 24.8 37.2

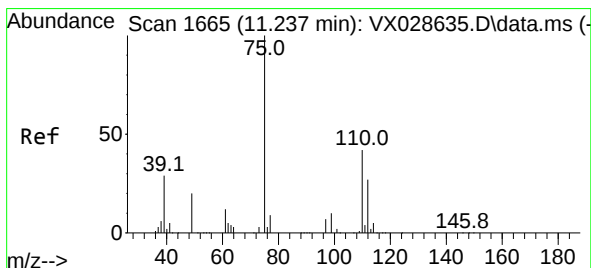
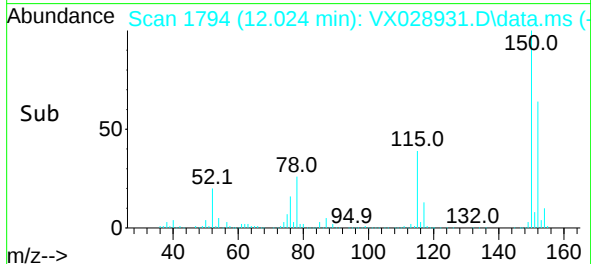
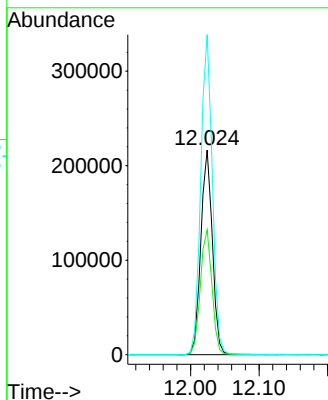
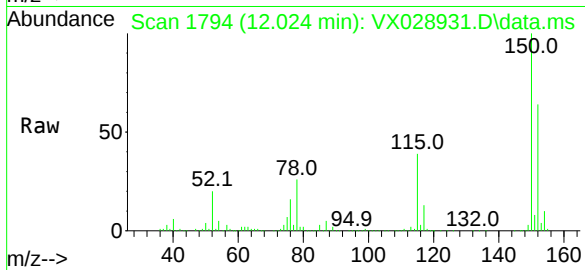




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX028931.D
 Acq: 24 May 2022 19:02

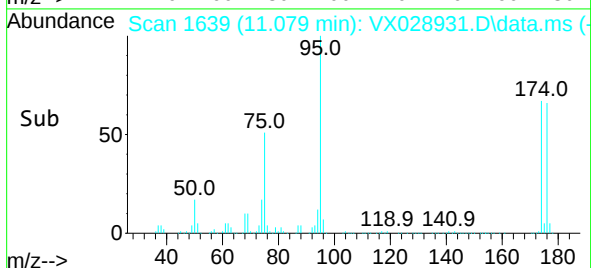
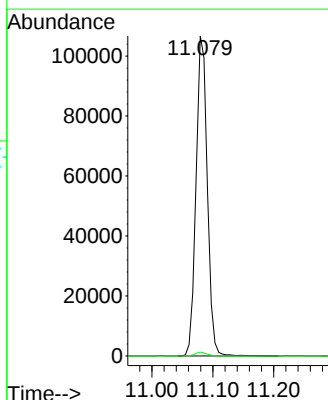
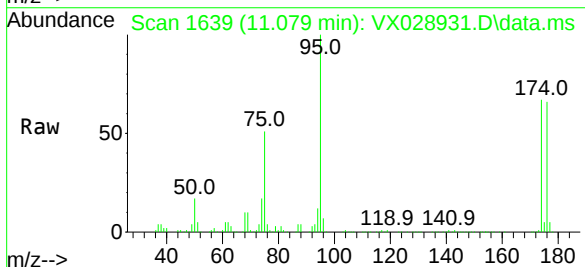
Instrument :
 MSVOA_X
 ClientSampleId :
 RB-220518

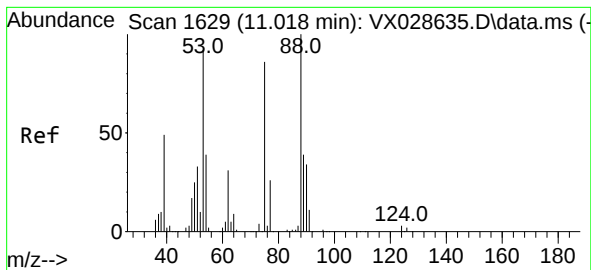
Tgt Ion:152 Resp: 254518
 Ion Ratio Lower Upper
 152 100
 115 61.5 37.5 112.7
 150 156.6 0.0 338.2



#76
 1,2,3-Trichloropropane
 Concen: 22.912 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.158 min
 Lab File: VX028931.D
 Acq: 24 May 2022 19:02

Tgt Ion: 75 Resp: 136566
 Ion Ratio Lower Upper
 75 100
 77 1.3 19.4 58.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 66.930 ug/l
 RT: 11.079 min Scan# 11
 Delta R.T. 0.061 min
 Lab File: VX028931.D
 Acq: 24 May 2022 19:02

Instrument :
 MSVOA_X
 ClientSampleId :
 RB-220518

Tgt Ion: 75 Resp: 136566
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.0 37.0 55.6#

