

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX010923\
 Data File : VX033667.D
 Acq On : 09 Jan 2023 16:49
 Operator : JC/MD
 Sample : 01079-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 10 00:47:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X010723W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Jan 07 06:16:21 2023
 Response via : Initial Calibration

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

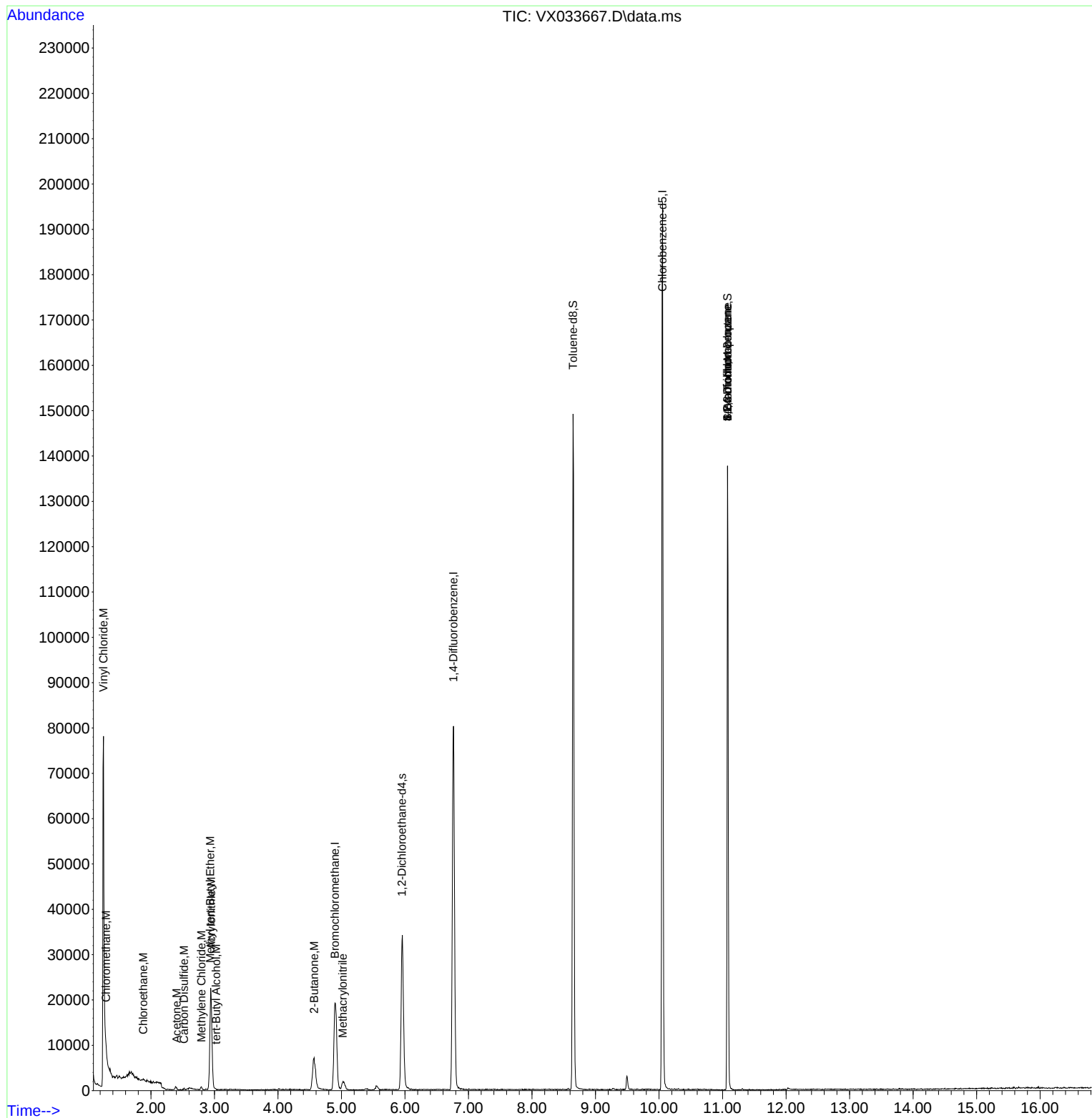
Internal Standards						
1) Bromochloromethane	4.897	128	4780	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	84313	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	91347	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	32961	85.162	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 283.867%#	
60) 4-Bromofluorobenzene	11.079	95	30888	18.761	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 62.533%#	
63) Toluene-d8	8.647	98	87215	29.833	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 99.433%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	560	1.045	ug/l #	43
4) Vinyl Chloride	1.252	62	297	0.614	ug/l #	1
6) Chloroethane	1.880	64	102	0.360	ug/l	99
14) Acrylonitrile	2.946	53	235	0.932	ug/l #	29
15) Acetone	2.404	58	92	1.613	ug/l #	18
16) Carbon Disulfide	2.520	76	353	0.332	ug/l #	76
18) Methylene Chloride	2.794	84	258	0.505	ug/l #	76
23) tert-Butyl Alcohol	3.026	59	32	0.321	ug/l #	100
24) Methyl tert-Butyl Ether	2.934	73	659	0.423	ug/l #	1
30) 2-Butanone	4.568	43	217	0.228	ug/l #	56
35) Methacrylonitrile	5.019	41	1291	1.190	ug/l #	43
56) Bromoform	11.079	173	474	0.410	ug/l #	1
72) 1,2,3-Trichloropropane	11.079	75	17123	9.744	ug/l	39
77) t-1,4-Dichloro-2-butene	11.079	75	17123	32.569	ug/l #	3

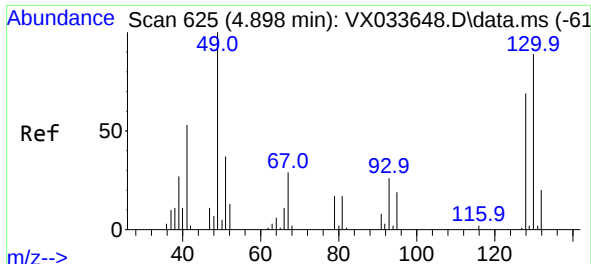
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX010923\
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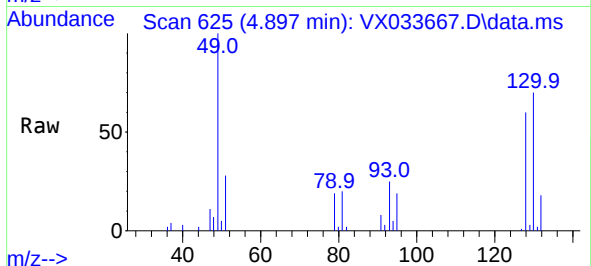
Quant Time: Jan 10 00:47:59 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X010723W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Jan 07 06:16:21 2023
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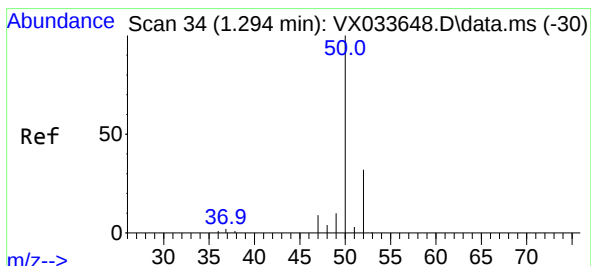
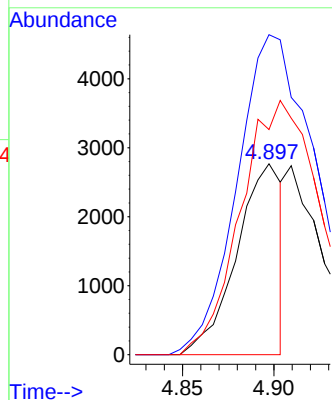
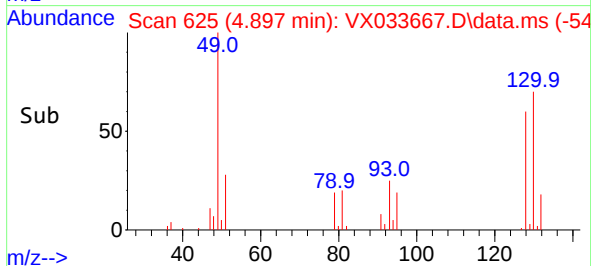


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.897 min Scan# 61
Delta R.T. -0.001 min
Lab File: VX033667.D
Acq: 09 Jan 2023 16:49

Instrument :
MSVOA_X
ClientSampleId :

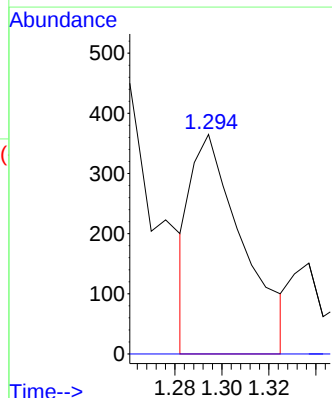
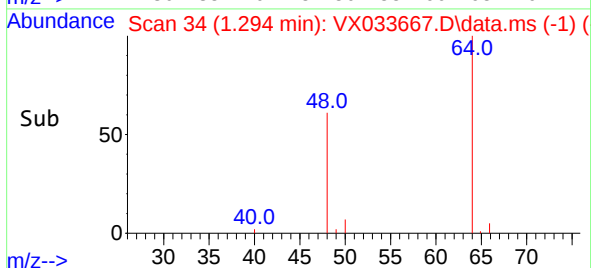
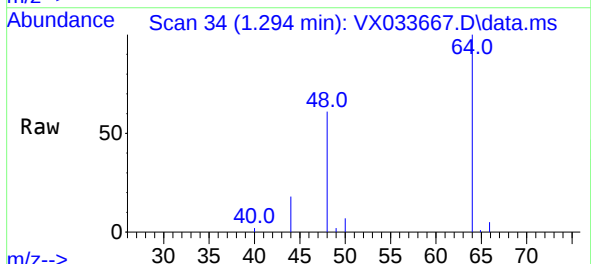


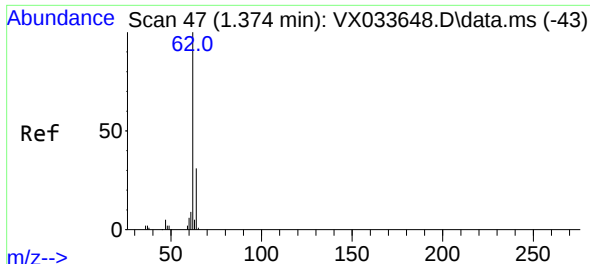
Tgt Ion:128 Resp: 4780
Ion Ratio Lower Upper
128 100
49 295.2 0.0 398.5
130 239.5 0.0 329.0



#3
Chloromethane
Concen: 1.045 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.000 min
Lab File: VX033667.D
Acq: 09 Jan 2023 16:49

Tgt Ion: 50 Resp: 560
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#

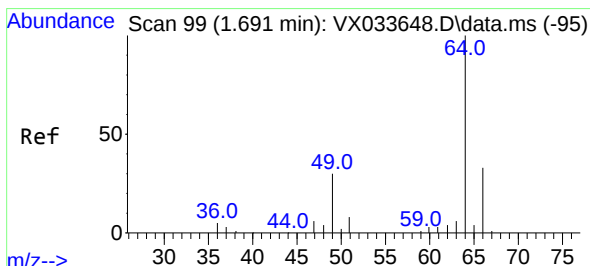
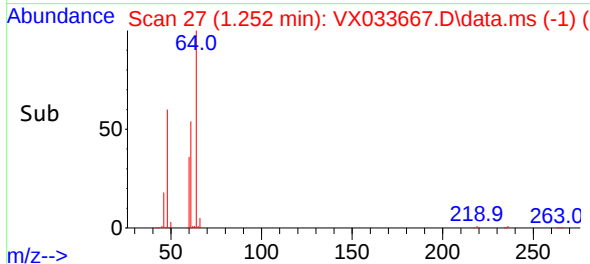
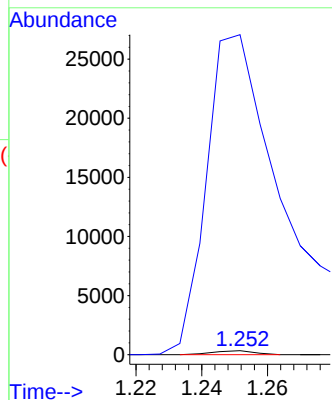
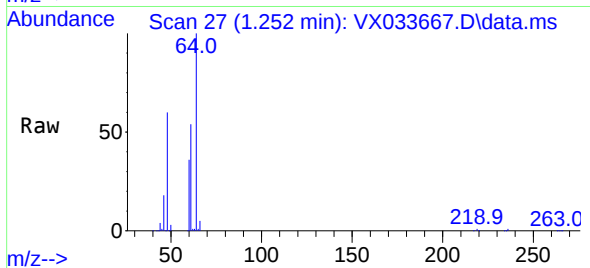




#4
 Vinyl Chloride
 Concen: 0.614 ug/l
 RT: 1.252 min Scan# 21
 Delta R.T. -0.122 min
 Lab File: VX033667.D
 Acq: 09 Jan 2023 16:49

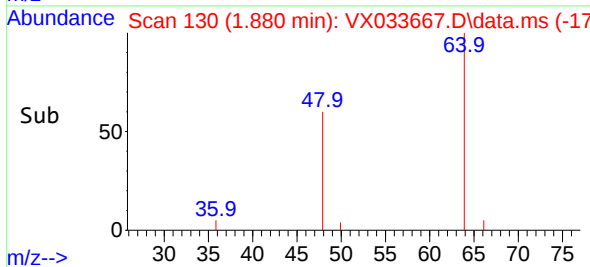
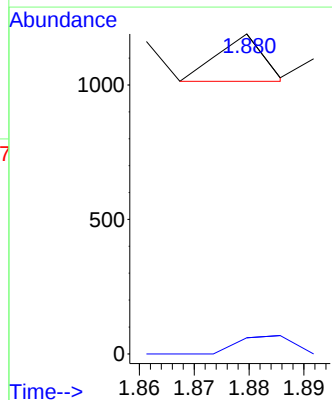
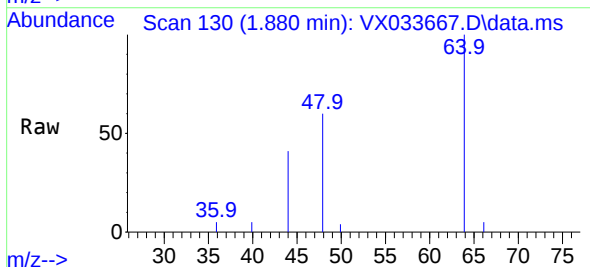
Instrument :
 MSVOA_X
 ClientSampleId :

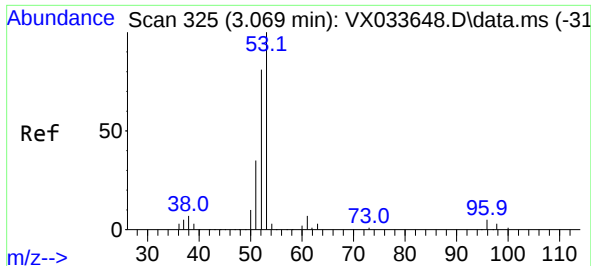
Tgt Ion: 62 Resp: 297
 Ion Ratio Lower Upper
 62 100
 64 7573.0 24.9 37.3#



#6
 Chloroethane
 Concen: 0.360 ug/l
 RT: 1.880 min Scan# 130
 Delta R.T. 0.189 min
 Lab File: VX033667.D
 Acq: 09 Jan 2023 16:49

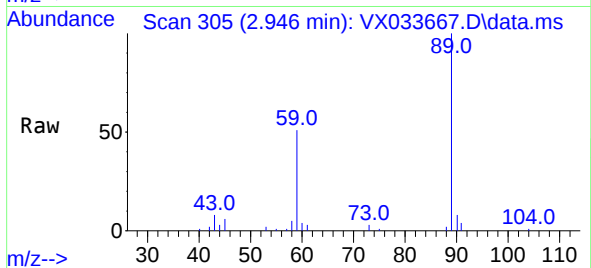
Tgt Ion: 64 Resp: 102
 Ion Ratio Lower Upper
 64 100
 66 34.1 26.6 40.0



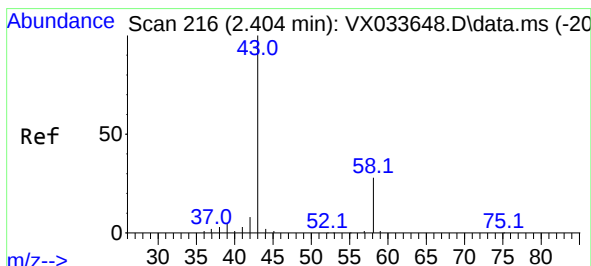
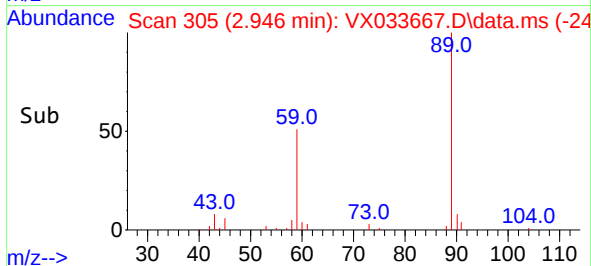
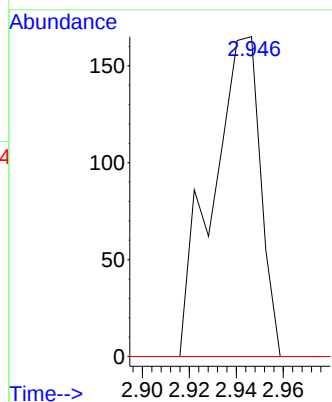


#14
Acrylonitrile
Concen: 0.932 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.122 min
Lab File: VX033667.D
Acq: 09 Jan 2023 16:49

Instrument :
MSVOA_X
ClientSampleId :

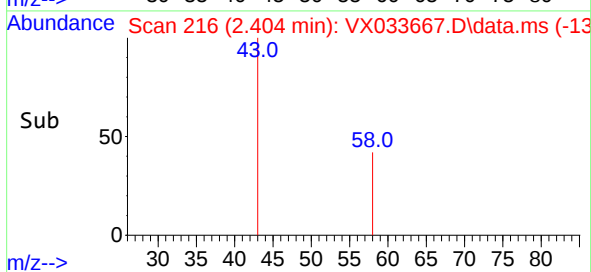
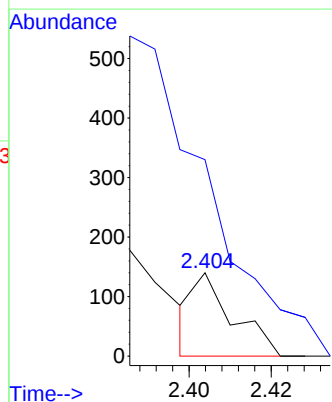
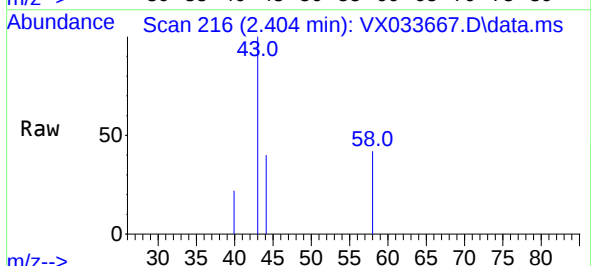


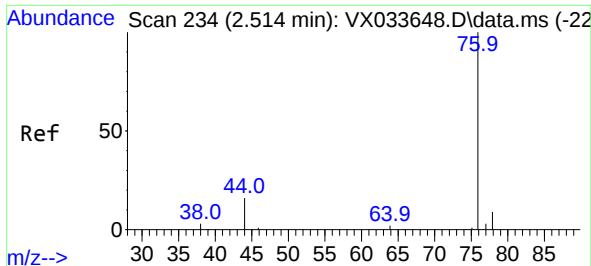
Tgt Ion: 53 Resp: 235
Ion Ratio Lower Upper
53 100
52 0.0 41.3 124.1#
51 22.6 18.4 55.4



#15
Acetone
Concen: 1.613 ug/l
RT: 2.404 min Scan# 216
Delta R.T. -0.000 min
Lab File: VX033667.D
Acq: 09 Jan 2023 16:49

Tgt Ion: 58 Resp: 92
Ion Ratio Lower Upper
58 100
43 180.0 288.3 432.5#

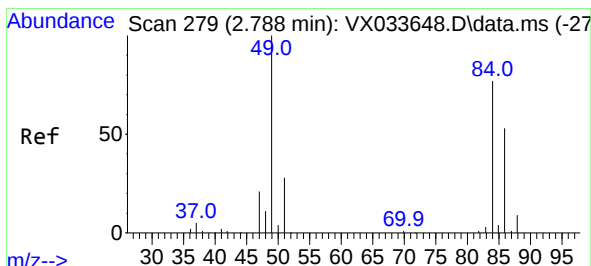
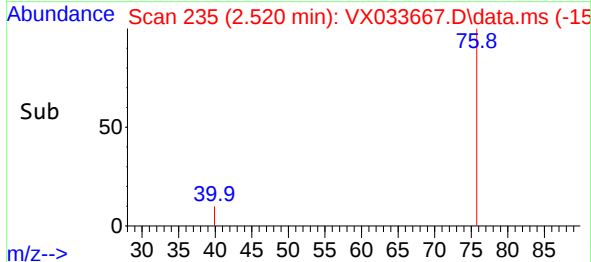
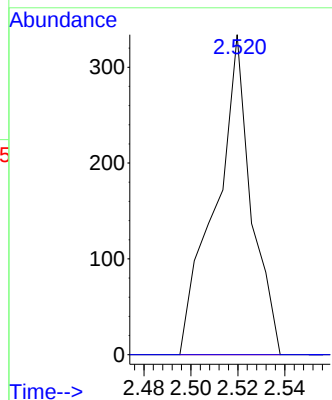
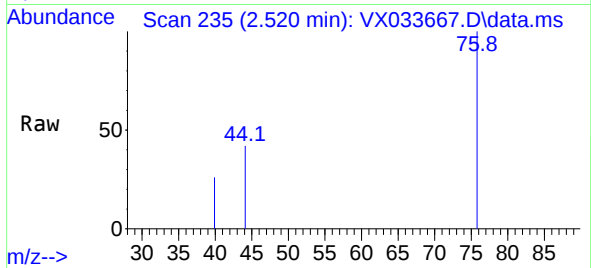




#16
Carbon Disulfide
Concen: 0.332 ug/l
RT: 2.520 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX033667.D
Acq: 09 Jan 2023 16:49

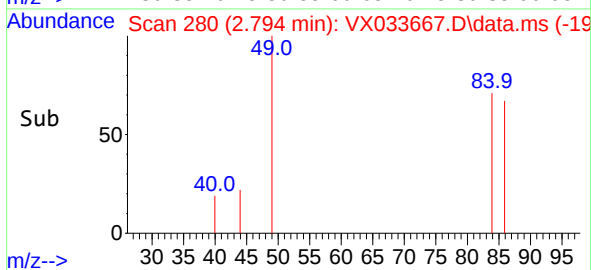
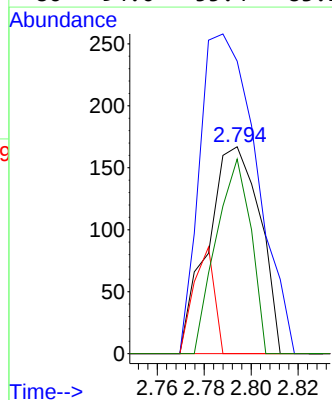
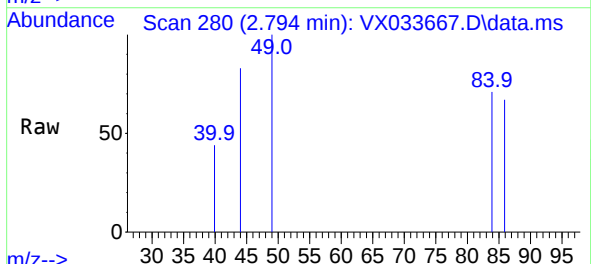
Instrument :
MSVOA_X
ClientSampleId :

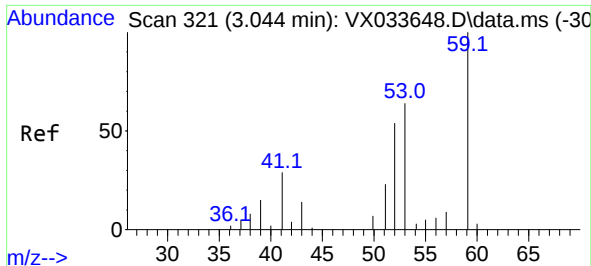
Tgt Ion: 76 Resp: 353
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.4#



#18
Methylene Chloride
Concen: 0.505 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX033667.D
Acq: 09 Jan 2023 16:49

Tgt Ion: 84 Resp: 258
Ion Ratio Lower Upper
84 100
49 141.3 104.1 156.1
51 0.0 29.2 43.8#
86 94.0 55.4 83.2#

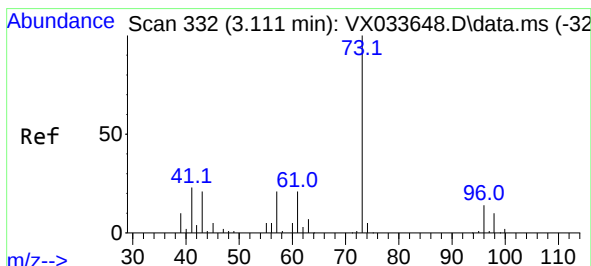
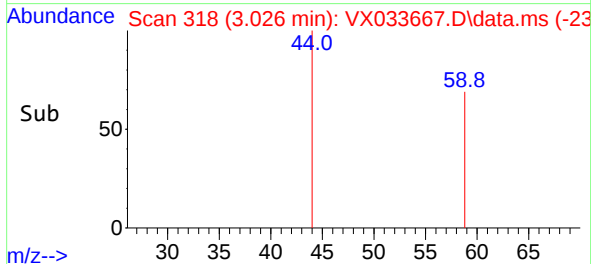
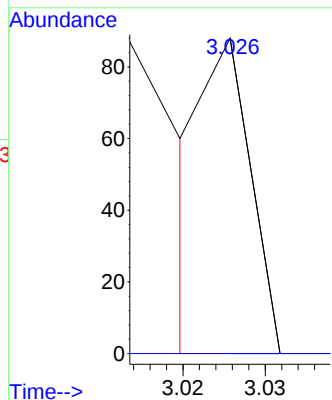
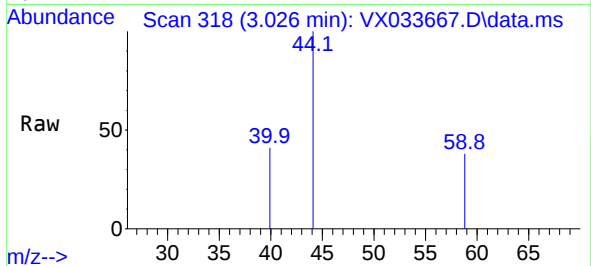




#23
tert-Butyl Alcohol
Concen: 0.321 ug/l
RT: 3.026 min Scan# 31
Delta R.T. -0.018 min
Lab File: VX033667.D
Acq: 09 Jan 2023 16:49

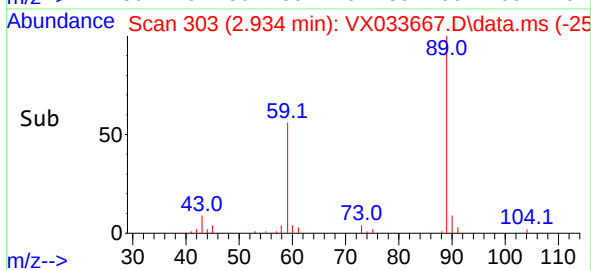
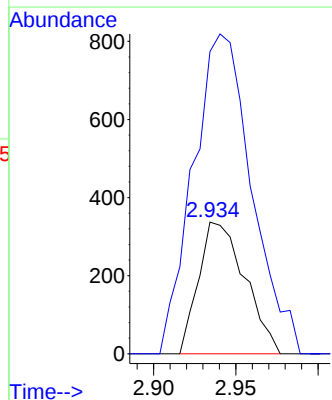
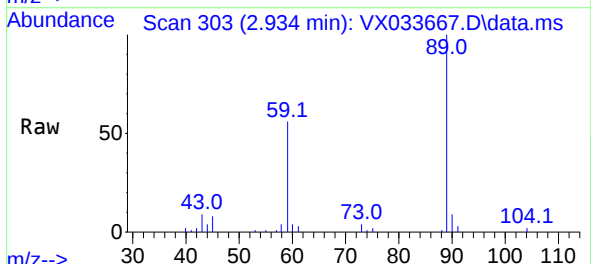
Instrument :
MSVOA_X
ClientSampleId :

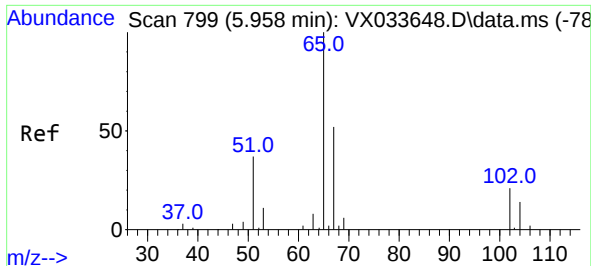
Tgt Ion: 59 Resp: 32
Ion Ratio Lower Upper
59 100
52 0.0 0.2 0.2#



#24
Methyl tert-Butyl Ether
Concen: 0.423 ug/l
RT: 2.934 min Scan# 303
Delta R.T. -0.177 min
Lab File: VX033667.D
Acq: 09 Jan 2023 16:49

Tgt Ion: 73 Resp: 659
Ion Ratio Lower Upper
73 100
43 308.2 18.1 27.1#





#27

1,2-Dichloroethane-d4

Concen: 85.162 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX033667.D

Acq: 09 Jan 2023 16:49

Instrument :

MSVOA_X

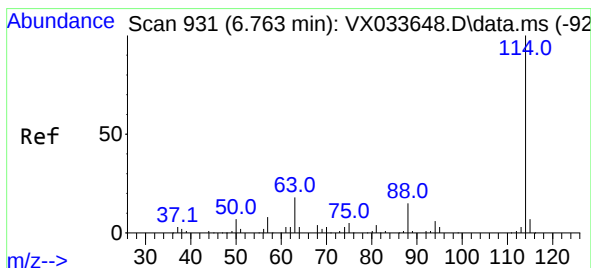
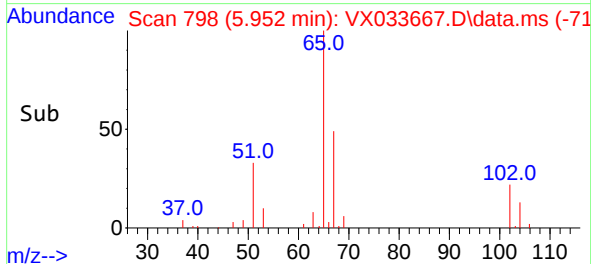
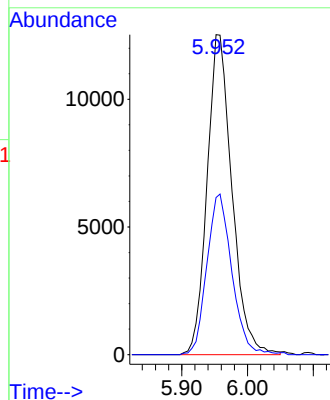
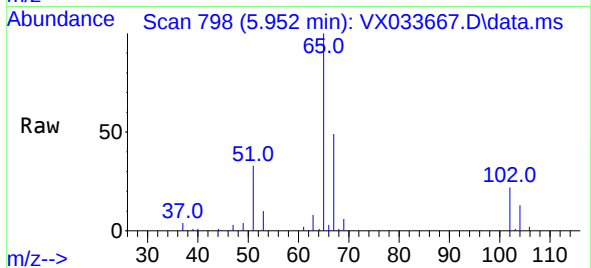
ClientSampleId :

Tgt Ion: 65 Resp: 32961

Ion Ratio Lower Upper

65 100

67 50.4 40.4 60.6



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX033667.D

Acq: 09 Jan 2023 16:49

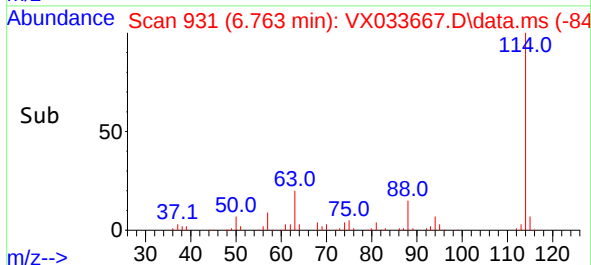
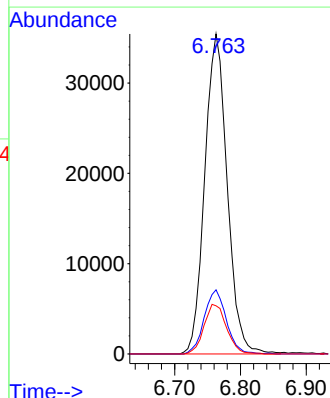
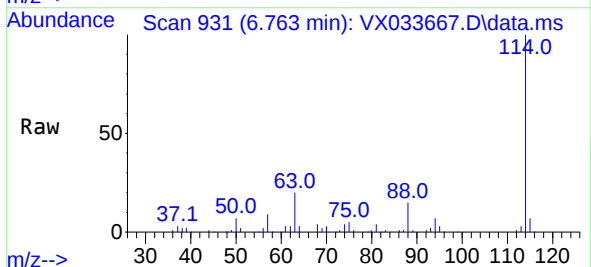
Tgt Ion: 114 Resp: 84313

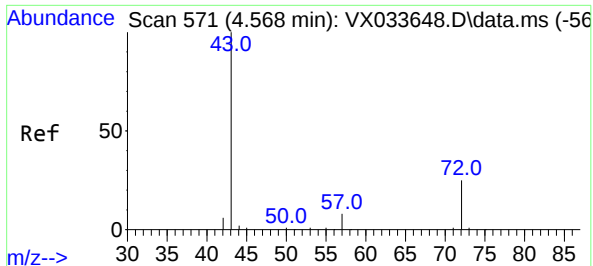
Ion Ratio Lower Upper

114 100

63 19.8 15.5 23.3

88 15.6 12.4 18.6



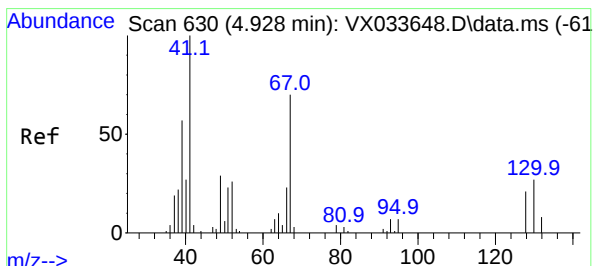
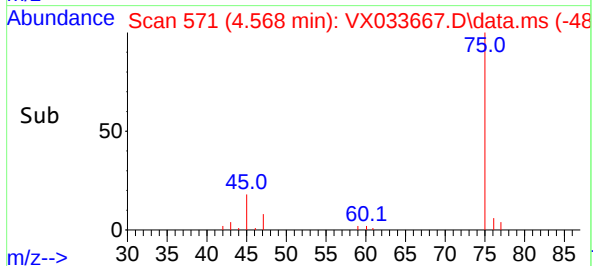
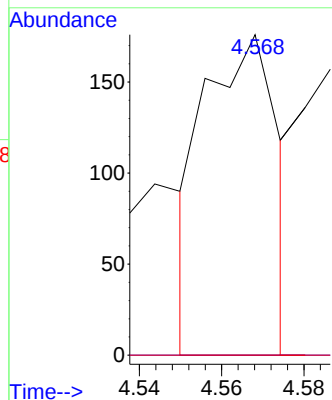
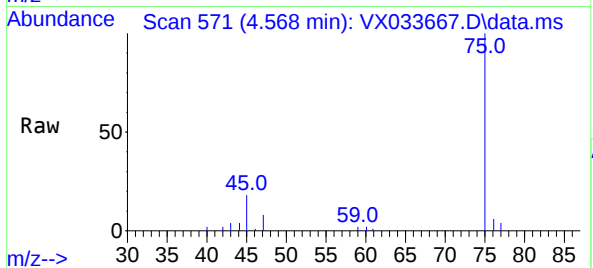


#30
2-Butanone
Concen: 0.228 ug/l
RT: 4.568 min Scan# 51
Delta R.T. -0.000 min
Lab File: VX033667.D
Acq: 09 Jan 2023 16:49

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 43 Resp: 217

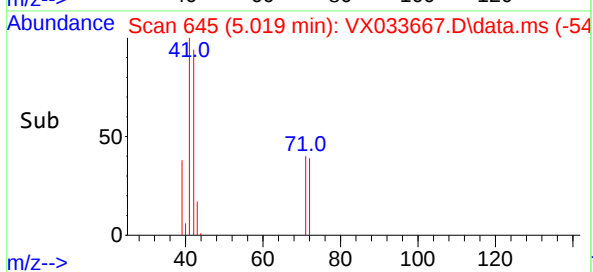
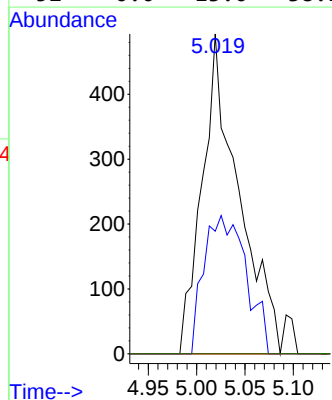
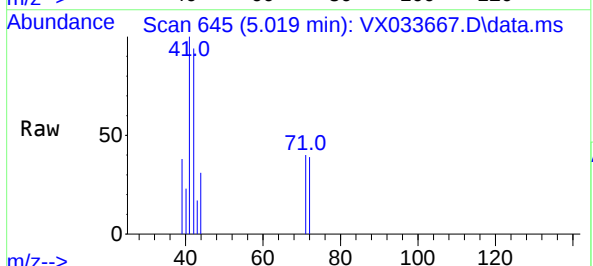
Ion	Ratio	Lower	Upper
43	100		
57	0.0	3.4	5.2#
72	0.0	19.8	29.6#

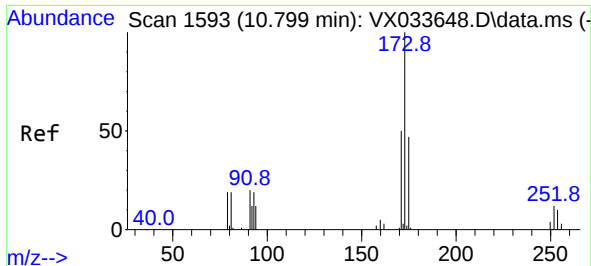


#35
Methacrylonitrile
Concen: 1.190 ug/l
RT: 5.019 min Scan# 645
Delta R.T. 0.091 min
Lab File: VX033667.D
Acq: 09 Jan 2023 16:49

Tgt Ion: 41 Resp: 1291

Ion	Ratio	Lower	Upper
41	100		
39	38.3	28.6	85.9
67	0.0	34.8	104.3#
52	0.0	13.0	38.9#

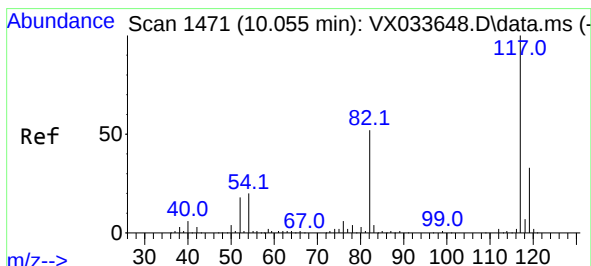
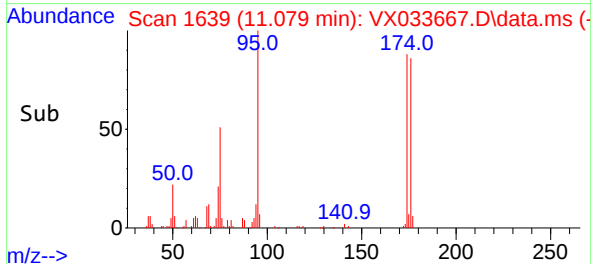
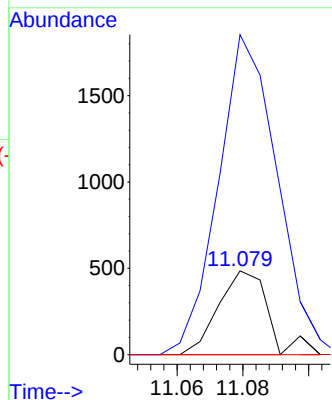
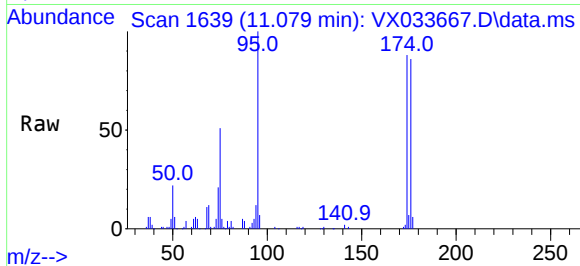




#56
Bromoform
Concen: 0.410 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.280 min
Lab File: VX033667.D
Acq: 09 Jan 2023 16:49

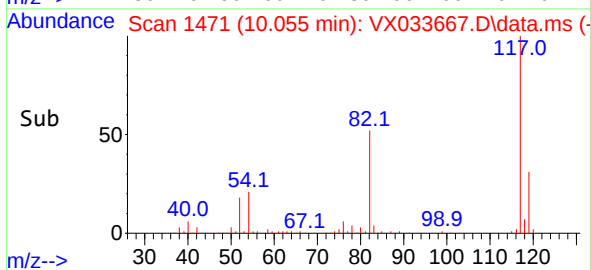
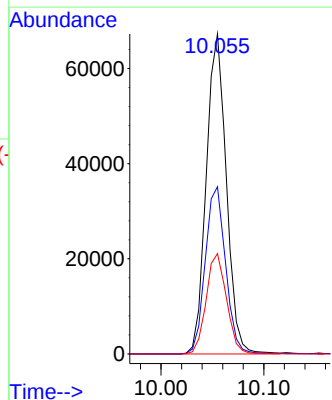
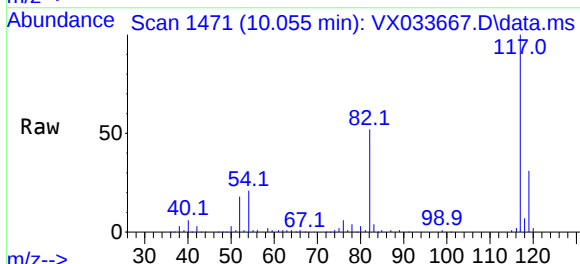
Instrument :
MSVOA_X
ClientSampleId :

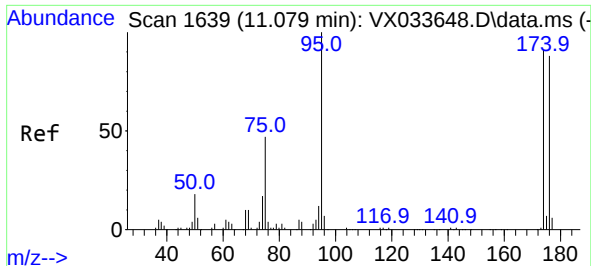
Tgt Ion:173 Resp: 474
Ion Ratio Lower Upper
173 100
175 486.7 38.2 57.4#
254 0.0 8.6 13.0#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX033667.D
Acq: 09 Jan 2023 16:49

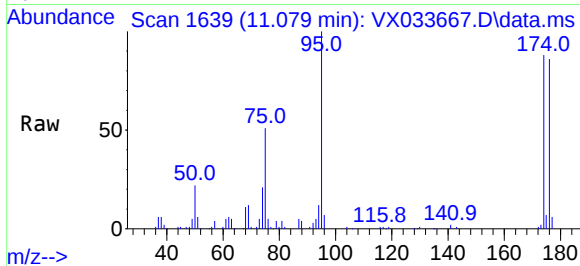
Tgt Ion:117 Resp: 91347
Ion Ratio Lower Upper
117 100
82 53.1 41.9 62.9
119 31.7 25.6 38.4



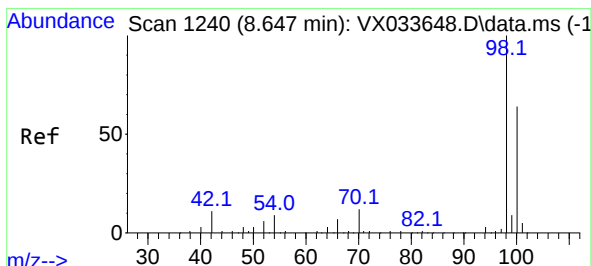
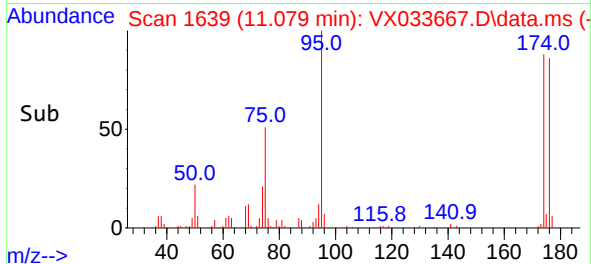
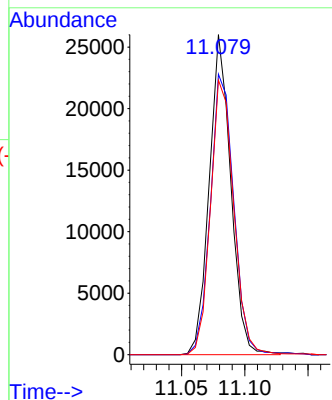


#60
4-Bromofluorobenzene
Concen: 18.761 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX033667.D
Acq: 09 Jan 2023 16:49

Instrument :
MSVOA_X
ClientSampleId :

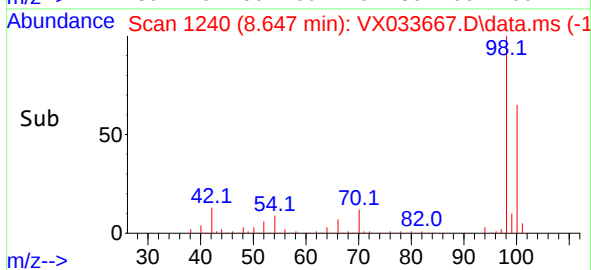
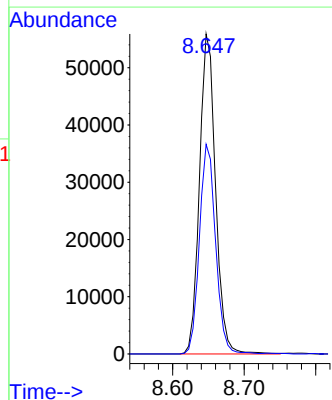
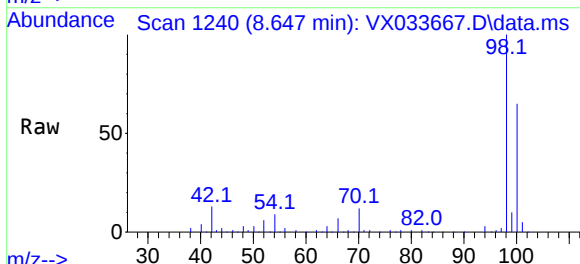


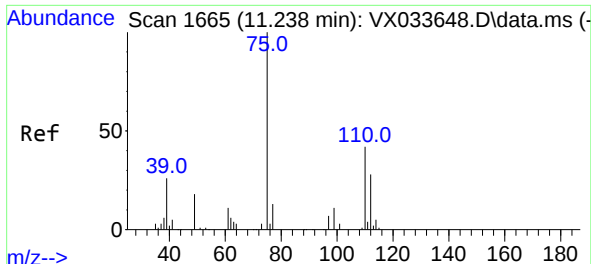
Tgt Ion: 95 Resp: 30888
Ion Ratio Lower Upper
95 100
174 95.0 73.7 110.5
176 92.2 71.0 106.4



#63
Toluene-d8
Concen: 29.833 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX033667.D
Acq: 09 Jan 2023 16:49

Tgt Ion: 98 Resp: 87215
Ion Ratio Lower Upper
98 100
100 65.9 53.1 79.7

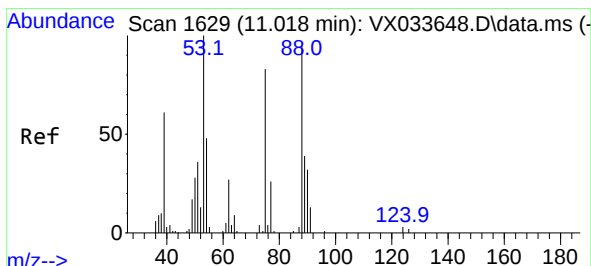
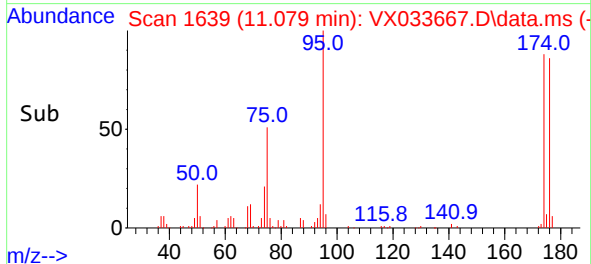
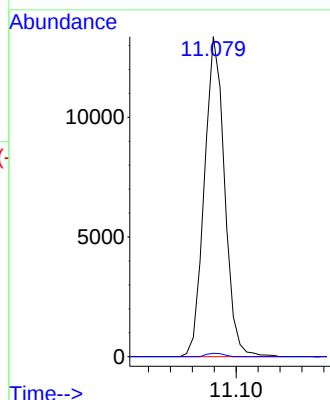
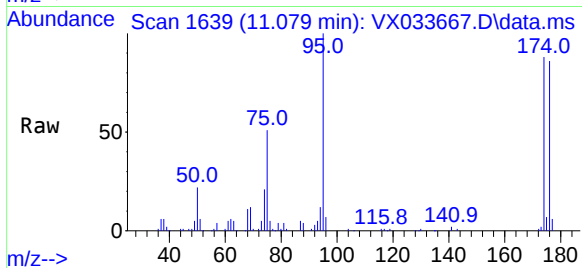




#72
1,2,3-Trichloropropane
Concen: 9.744 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX033667.D
Acq: 09 Jan 2023 16:49

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 17123
Ion Ratio Lower Upper
75 100
77 0.9 0.0 74.6



#77
t-1,4-Dichloro-2-butene
Concen: 32.569 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX033667.D
Acq: 09 Jan 2023 16:49

Tgt Ion: 75 Resp: 17123
Ion Ratio Lower Upper
75 100
53 0.0 60.2 180.6#
89 0.0 23.2 69.6#

