

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051123\
 Data File : VX035610.D
 Acq On : 11 May 2023 16:17
 Operator : JC/MD
 Sample : 02691-11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 AU-504-VOC-07

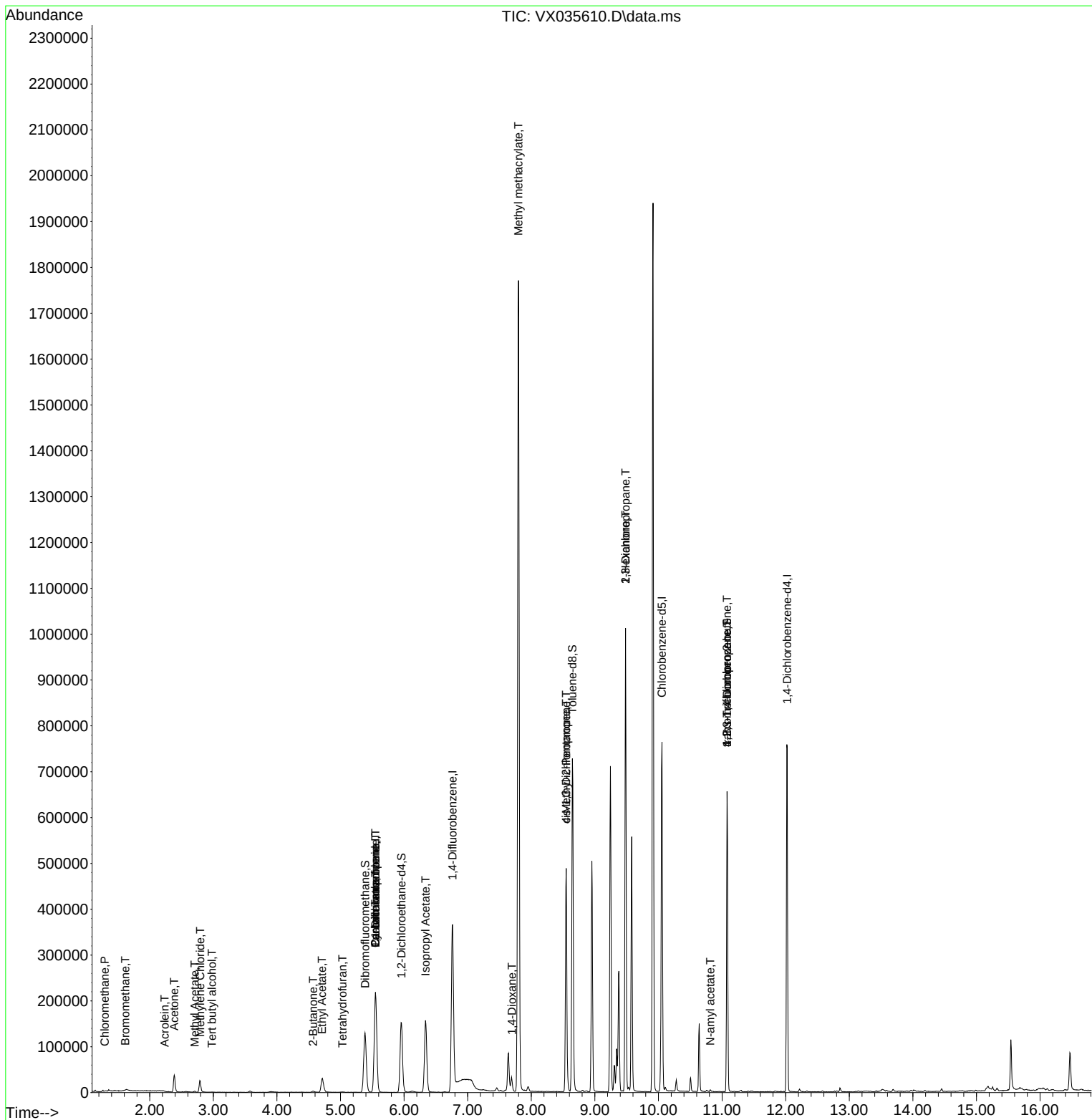
Quant Time: May 11 16:47:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051123W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 11 13:57:54 2023
 Response via : Initial Calibration

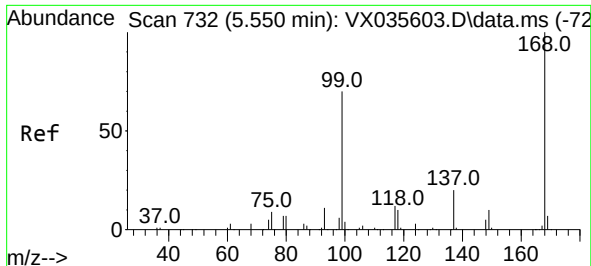
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.550	168	185492	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	341948	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	314879	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	146392	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	155085	47.925	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	95.860%
35) Dibromofluoromethane	5.385	113	111842	48.499	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.000%
50) Toluene-d8	8.647	98	418042	49.070	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.140%
62) 4-Bromofluorobenzene	11.079	95	176229	51.375	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	102.760%
Target Compounds						
						Qvalue
3) Chloromethane	1.294	50	914	0.312	ug/l	97
5) Bromomethane	1.617	94	321	0.238	ug/l	# 57
11) Tert butyl alcohol	2.977	59	758	1.328	ug/l	# 73
13) Acrolein	2.233	56	259	0.382	ug/l	# 32
16) Acetone	2.386	43	44218	31.793	ug/l	95
18) Methyl Acetate	2.709	43	2882	0.562	ug/l	# 87
20) Methylene Chloride	2.794	84	11705	4.644	ug/l	94
25) 2-Butanone	4.568	43	5100	2.649	ug/l	# 82
29) Tetrahydrofuran	5.031	42	1040	0.859	ug/l	# 61
31) Cyclohexane	5.550	56	5002	1.223	ug/l	# 8
36) 1,1-Dichloropropene	5.550	75	17169	4.717	ug/l	# 50
37) Ethyl Acetate	4.708	43	53349	14.051	ug/l	99
38) Carbon Tetrachloride	5.550	117	21586	6.260	ug/l	# 16
43) Isopropyl Acetate	6.336	43	217948	32.920	ug/l	100
48) Methyl methacrylate	7.799	41	162594	49.763	ug/l	# 46
49) 1,4-Dioxane	7.696	88	546	9.533	ug/l	# 1
51) 4-Methyl-2-Pentanone	8.549	43	175218	45.939	ug/l	# 49
54) cis-1,3-Dichloropropene	8.549	75	71928	17.317	ug/l	# 60
57) 1,3-Dichloropropane	9.482	76	8196	1.791	ug/l	# 42
59) 2-Hexanone	9.482	43	122906	42.788	ug/l	# 50
74) N-amyl acetate	10.817	43	1642	0.285	ug/l	# 53
76) 1,2,3-Trichloropropane	11.079	75	94336	26.345	ug/l	# 34
81) trans-1,4-Dichloro-2-b...	11.079	75	94336	84.906	ug/l	# 8

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

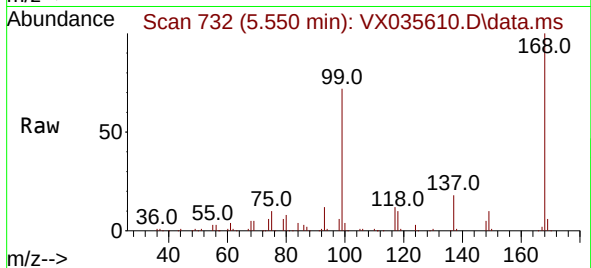
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051123W.M
Quant Title : SW846 8260
QLast Update : Thu May 11 13:57:54 2023
Response via : Initial Calibration



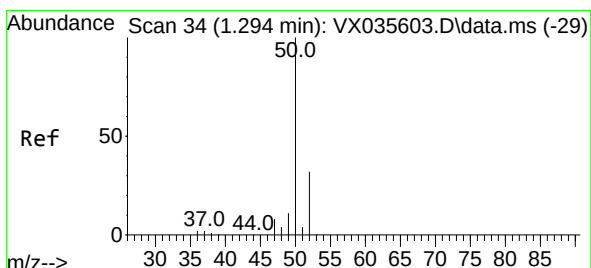
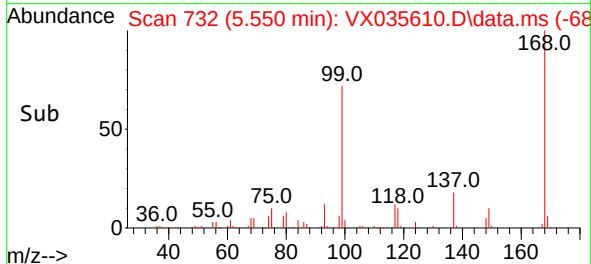
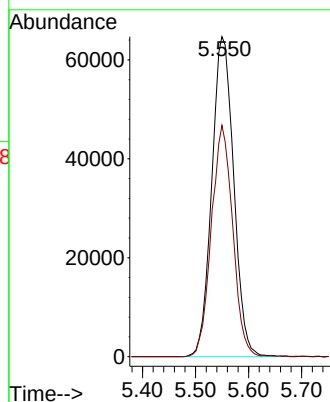


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX035610.D
Acq: 11 May 2023 16:17

Instrument :
MSVOA_X
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AU-504-VOC-07

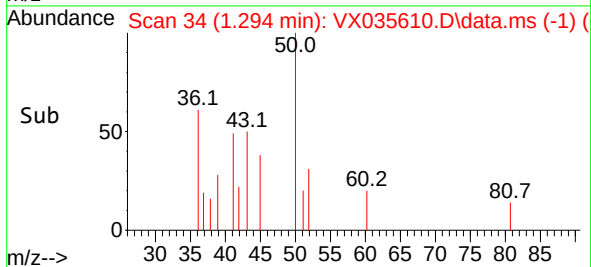
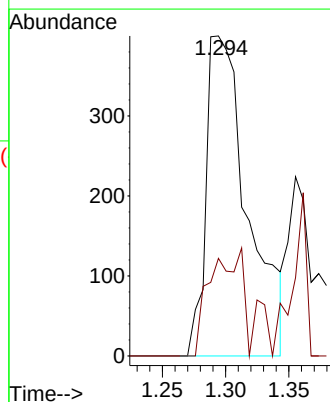
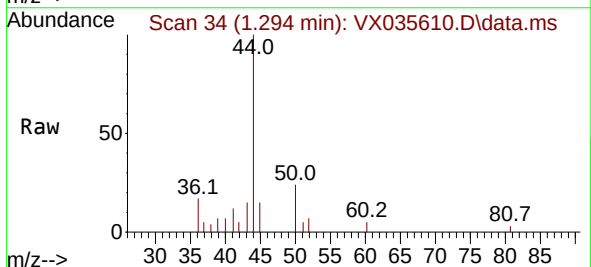


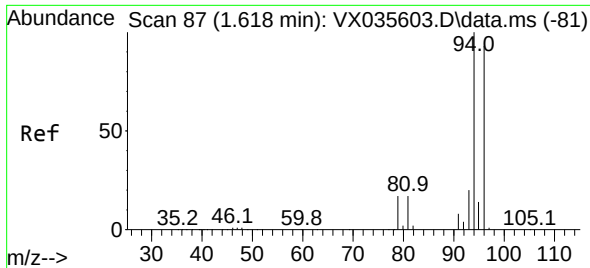
Tgt Ion:168 Resp: 185492
Ion Ratio Lower Upper
168 100
99 72.3 45.7 68.5#



#3
Chloromethane
Concen: 0.312 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX035610.D
Acq: 11 May 2023 16:17

Tgt Ion: 50 Resp: 914
Ion Ratio Lower Upper
50 100
52 30.5 25.9 38.9

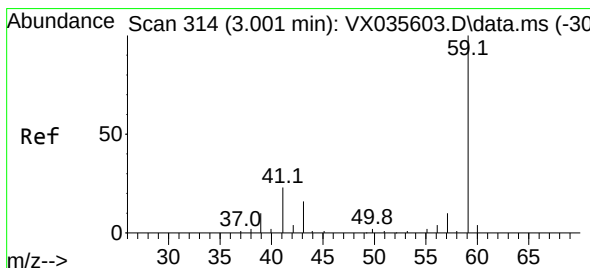
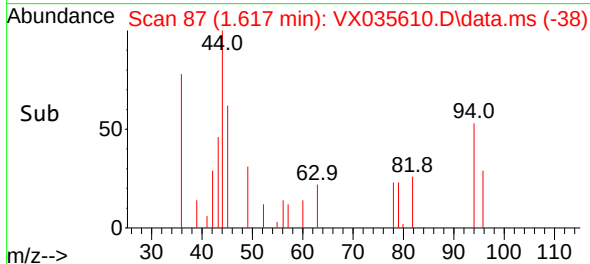
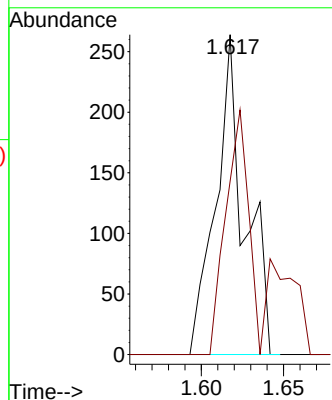
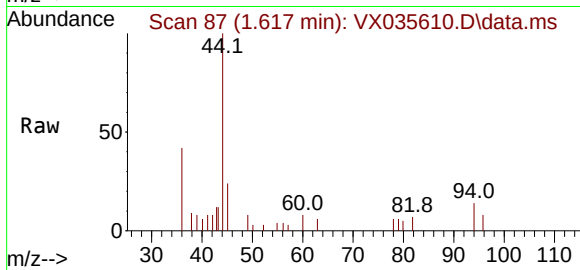




#5
Bromomethane
Concen: 0.238 ug/l
RT: 1.617 min Scan# 81
Delta R.T. -0.001 min
Lab File: VX035610.D
Acq: 11 May 2023 16:17

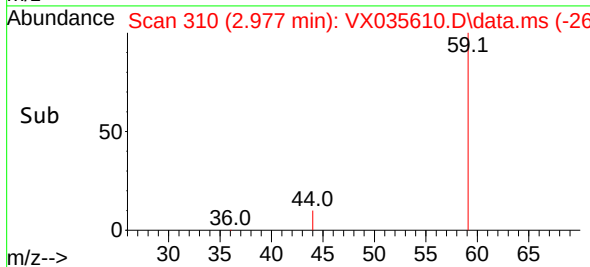
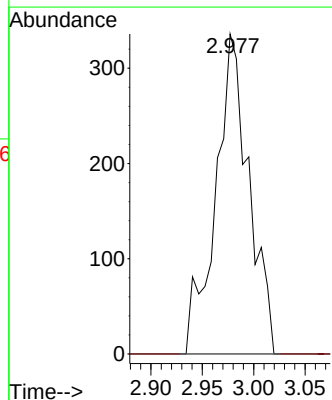
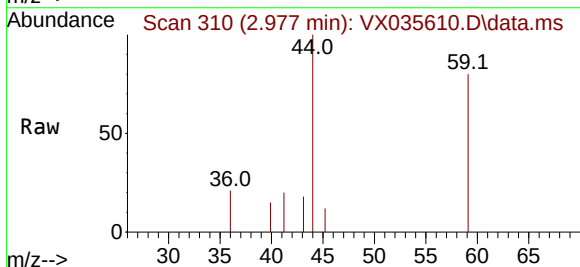
Instrument :
MSVOA_X
ClientSampleId :
AU-504-VOC-07

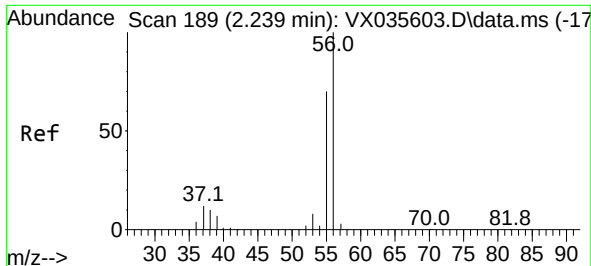
Tgt Ion: 94 Resp: 321
Ion Ratio Lower Upper
94 100
96 54.2 77.0 115.6#



#11
Tert butyl alcohol
Concen: 1.328 ug/l
RT: 2.977 min Scan# 310
Delta R.T. -0.024 min
Lab File: VX035610.D
Acq: 11 May 2023 16:17

Tgt Ion: 59 Resp: 758
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

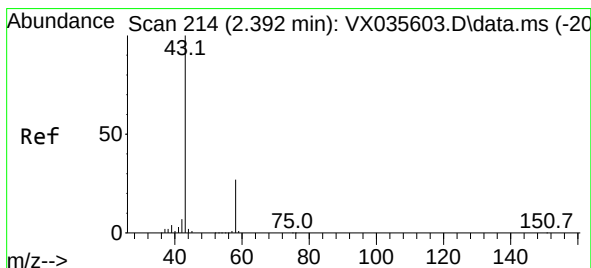
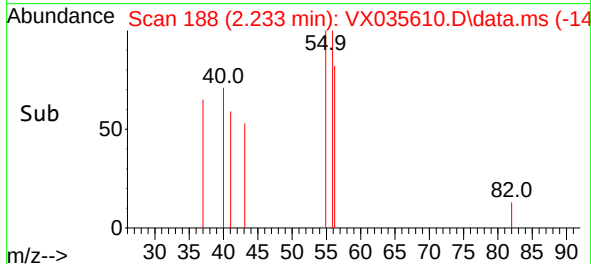
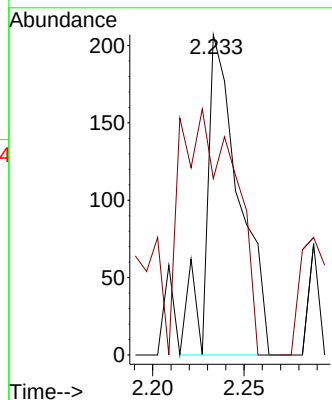
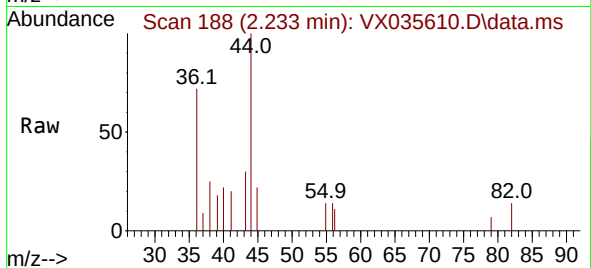




#13
Acrolein
Concen: 0.382 ug/l
RT: 2.233 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX035610.D
Acq: 11 May 2023 16:17

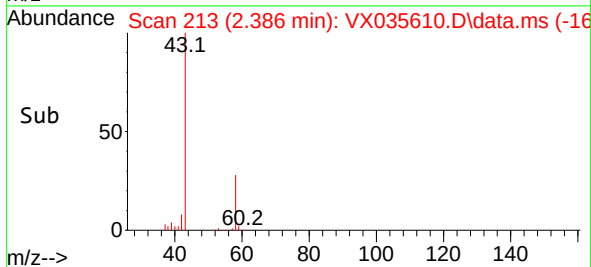
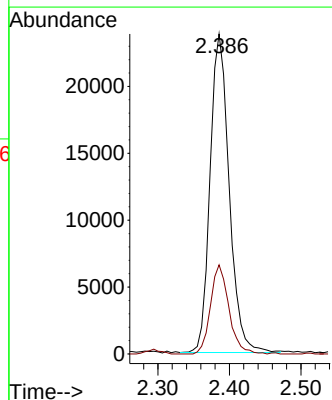
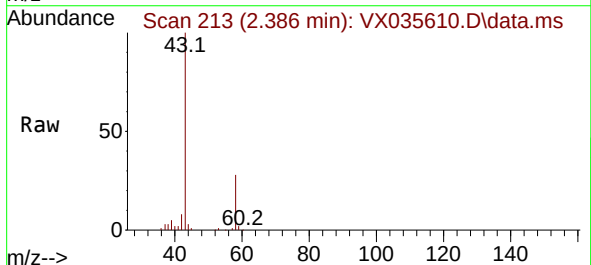
Instrument :
MSVOA_X
ClientSampleId :
AU-504-VOC-07

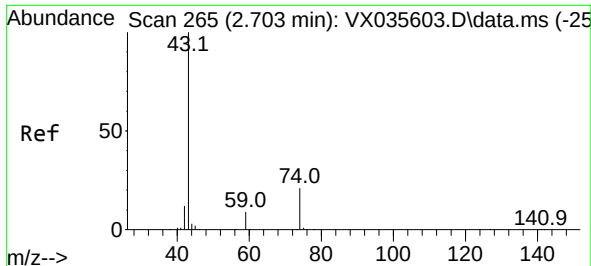
Tgt Ion: 56 Resp: 259
Ion Ratio Lower Upper
56 100
55 126.6 56.6 85.0#



#16
Acetone
Concen: 31.793 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX035610.D
Acq: 11 May 2023 16:17

Tgt Ion: 43 Resp: 44218
Ion Ratio Lower Upper
43 100
58 28.0 24.7 37.1

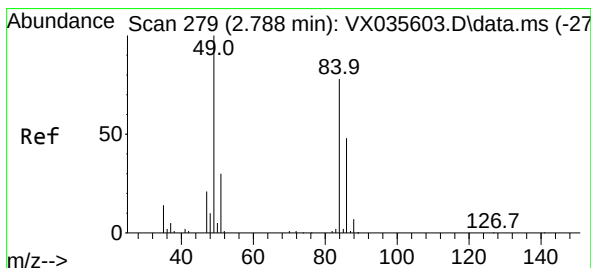
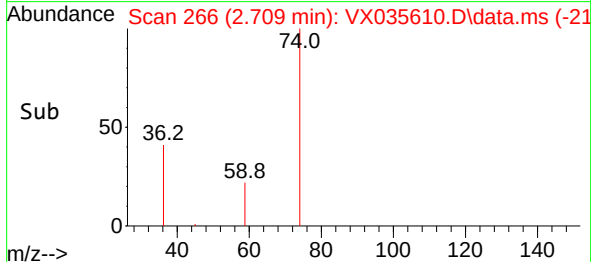
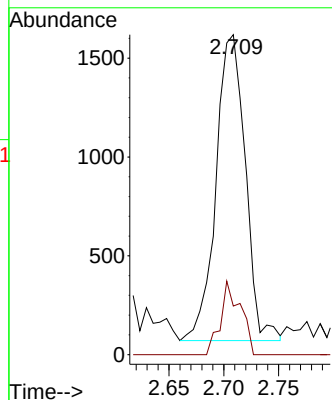
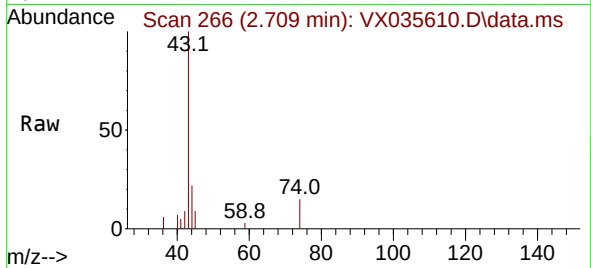




#18
Methyl Acetate
Concen: 0.562 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX035610.D
Acq: 11 May 2023 16:17

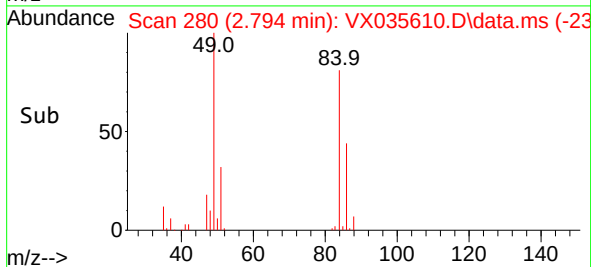
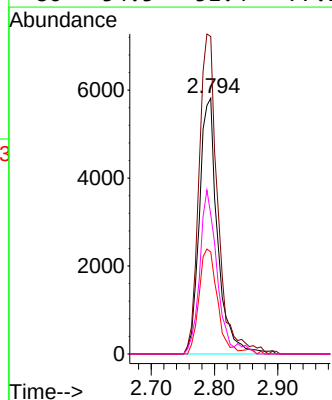
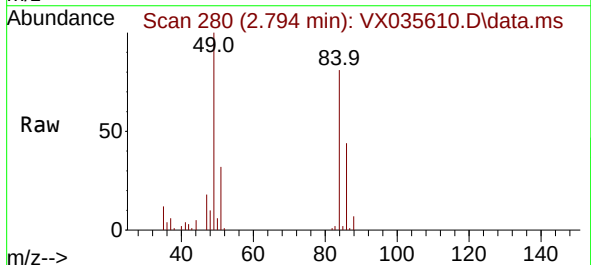
Instrument :
MSVOA_X
ClientSampleId :
AU-504-VOC-07

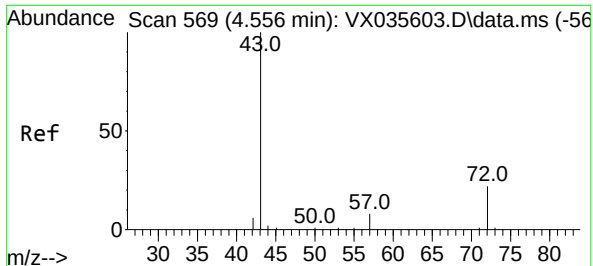
Tgt Ion: 43 Resp: 2882
Ion Ratio Lower Upper
43 100
74 16.4 18.3 27.5#



#20
Methylene Chloride
Concen: 4.644 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX035610.D
Acq: 11 May 2023 16:17

Tgt Ion: 84 Resp: 11705
Ion Ratio Lower Upper
84 100
49 124.2 103.8 155.8
51 39.9 31.8 47.8
86 54.5 51.4 77.2





#25

2-Butanone

Concen: 2.649 ug/l

RT: 4.568 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX035610.D

Acq: 11 May 2023 16:17

Instrument :

MSVOA_X

ClientSampleId :

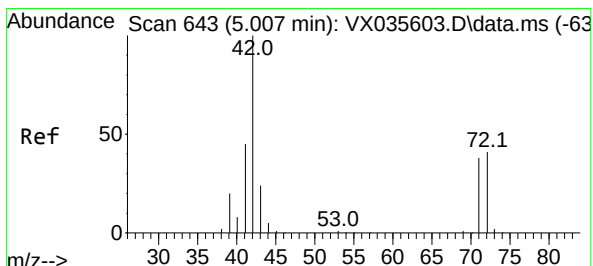
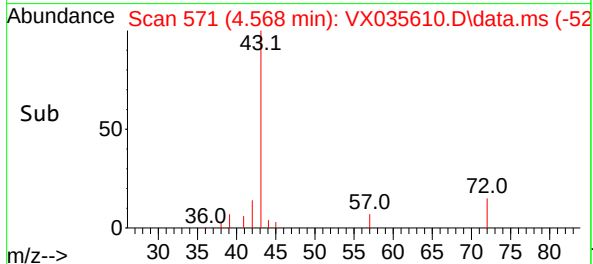
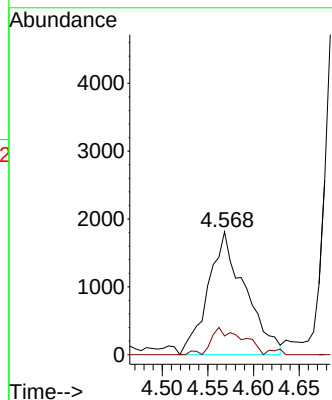
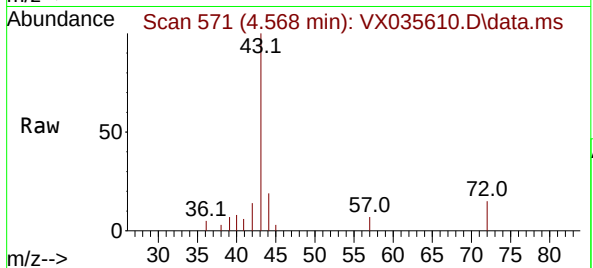
AU-504-VOC-07

Tgt Ion: 43 Resp: 5100

Ion Ratio Lower Upper

43 100

72 15.2 19.3 28.9#



#29

Tetrahydrofuran

Concen: 0.859 ug/l

RT: 5.031 min Scan# 647

Delta R.T. 0.024 min

Lab File: VX035610.D

Acq: 11 May 2023 16:17

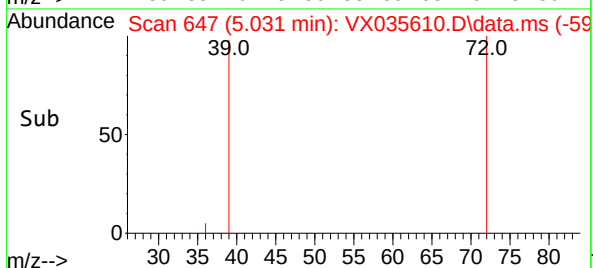
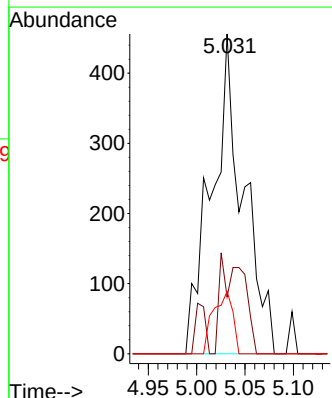
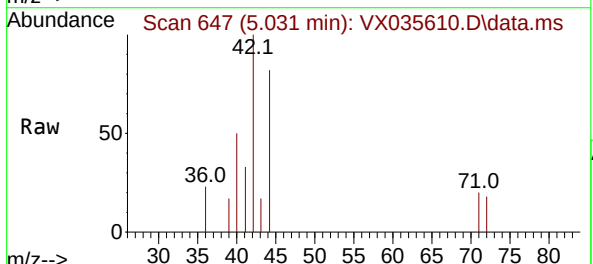
Tgt Ion: 42 Resp: 1040

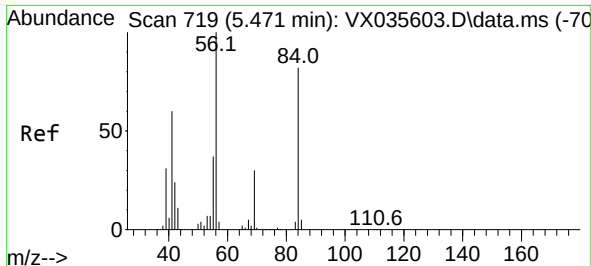
Ion Ratio Lower Upper

42 100

72 22.4 34.5 51.7#

71 11.9 32.1 48.1#

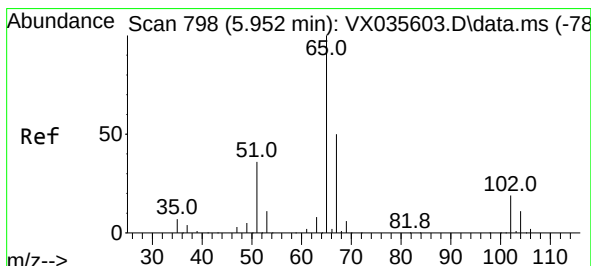
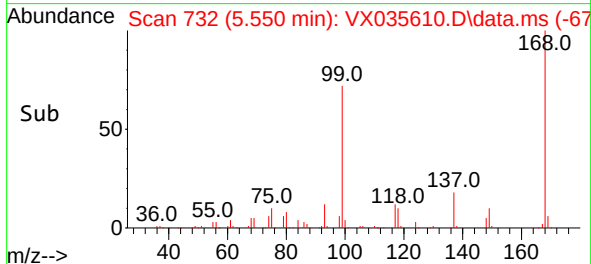
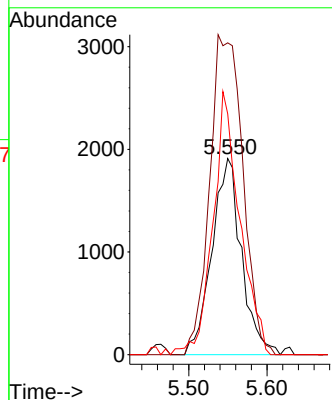
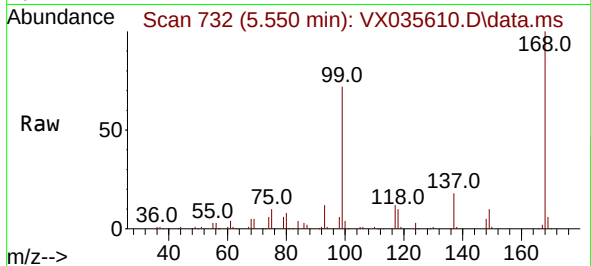




#31
Cyclohexane
Concen: 1.223 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX035610.D
Acq: 11 May 2023 16:17

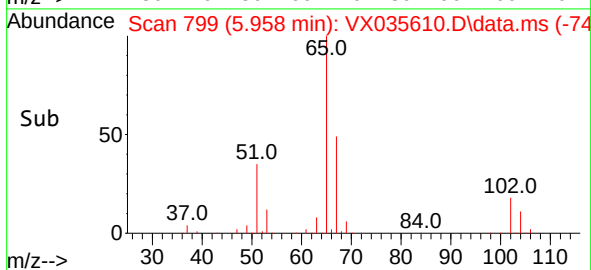
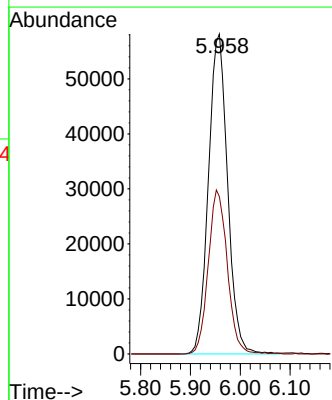
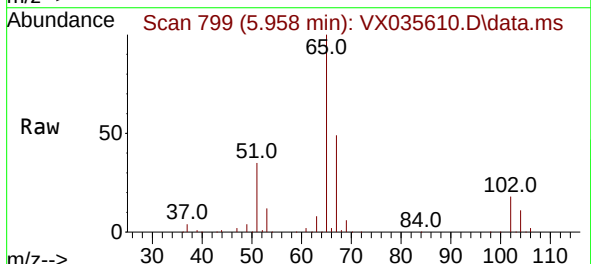
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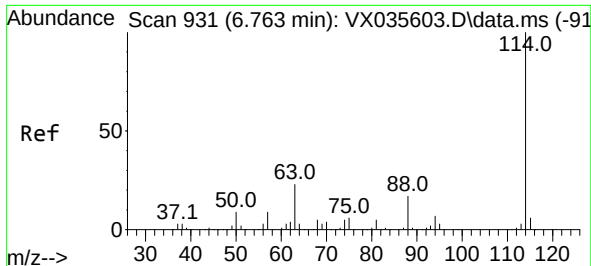
Tgt Ion: 56 Resp: 5002
Ion Ratio Lower Upper
56 100
69 159.1 23.7 35.5#
84 122.8 68.5 102.7#



#33
1,2-Dichloroethane-d4
Concen: 47.925 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX035610.D
Acq: 11 May 2023 16:17

Tgt Ion: 65 Resp: 155085
Ion Ratio Lower Upper
65 100
67 50.9 0.0 104.0

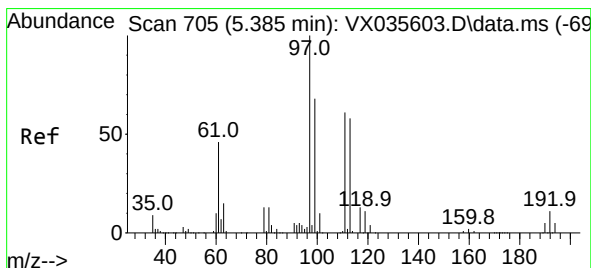
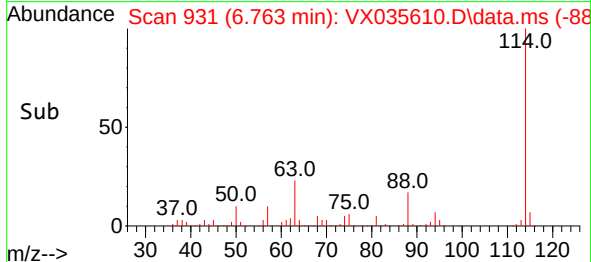
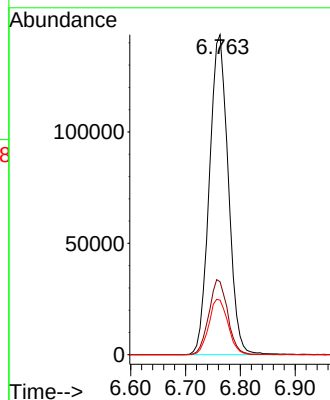
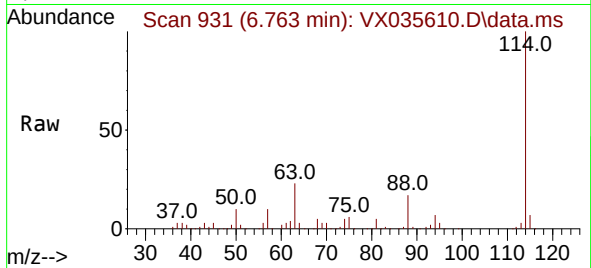




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX035610.D
Acq: 11 May 2023 16:17

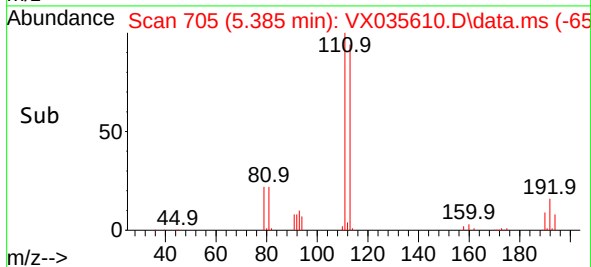
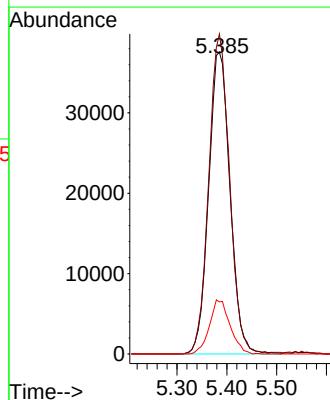
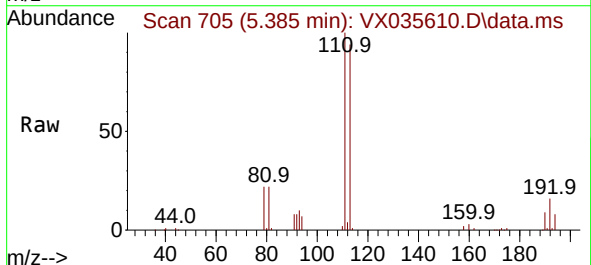
Instrument :
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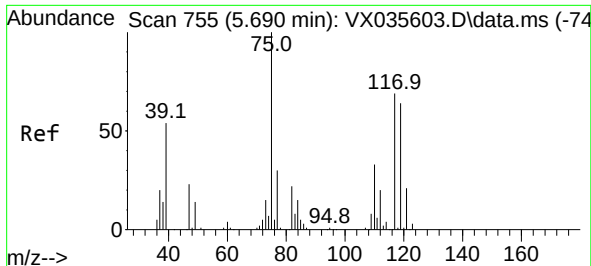
Tgt Ion:114 Resp: 341948
Ion Ratio Lower Upper
114 100
63 22.8 0.0 42.2
88 17.0 0.0 33.2



#35
Dibromofluoromethane
Concen: 48.499 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX035610.D
Acq: 11 May 2023 16:17

Tgt Ion:113 Resp: 111842
Ion Ratio Lower Upper
113 100
111 103.1 83.7 125.5
192 17.3 15.4 23.2

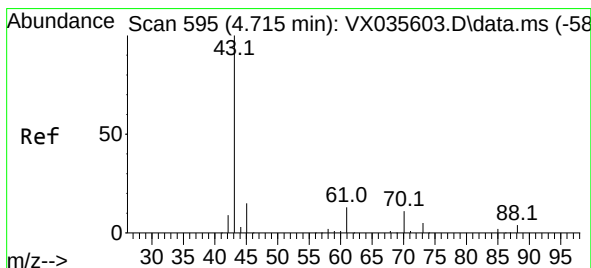
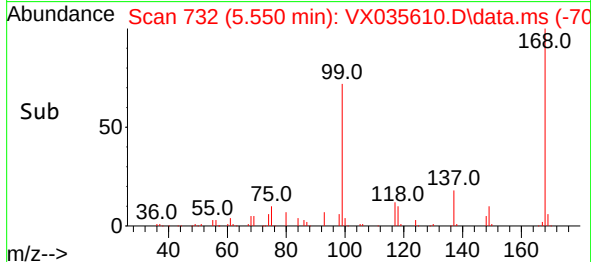
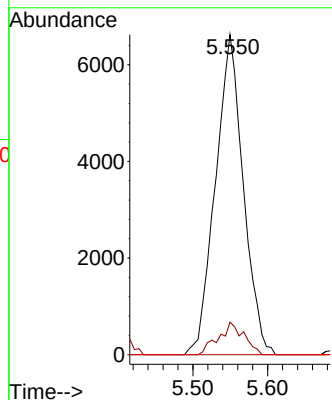
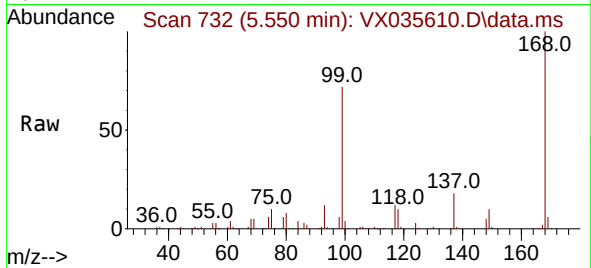




#36
1,1-Dichloropropene
Concen: 4.717 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX035610.D
Acq: 11 May 2023 16:17

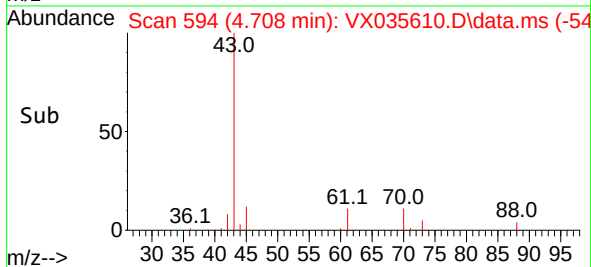
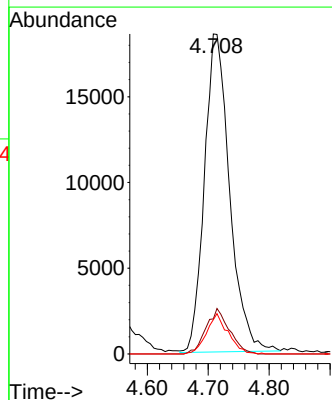
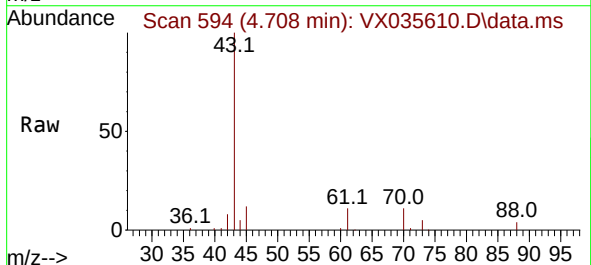
Instrument :
MSVOA_X
ClientSampleId :
AU-504-VOC-07

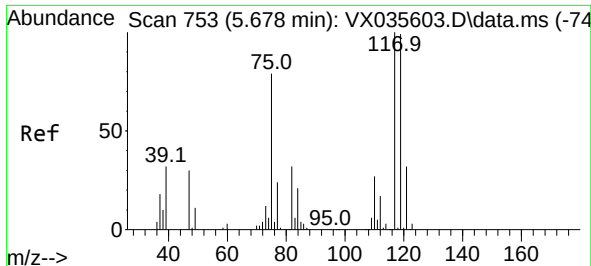
Tgt Ion: 75 Resp: 17169
Ion Ratio Lower Upper
75 100
110 9.3 17.5 52.5#
77 0.0 24.3 36.5#



#37
Ethyl Acetate
Concen: 14.051 ug/l
RT: 4.708 min Scan# 594
Delta R.T. -0.007 min
Lab File: VX035610.D
Acq: 11 May 2023 16:17

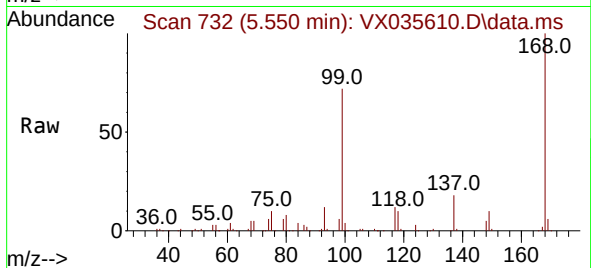
Tgt Ion: 43 Resp: 53349
Ion Ratio Lower Upper
43 100
61 13.3 10.2 15.4
70 10.8 8.2 12.4



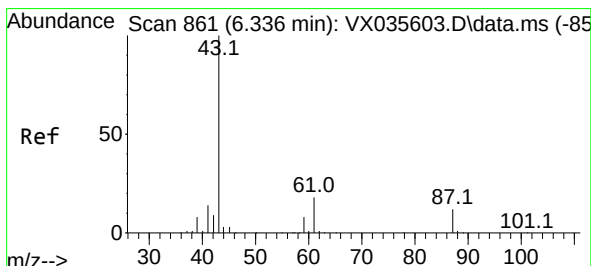
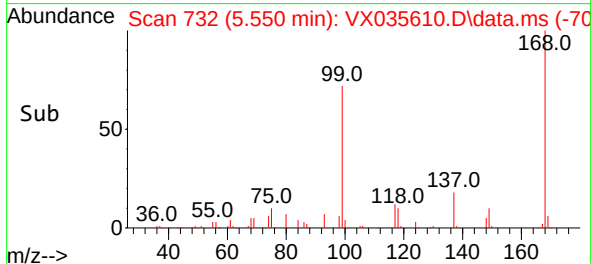
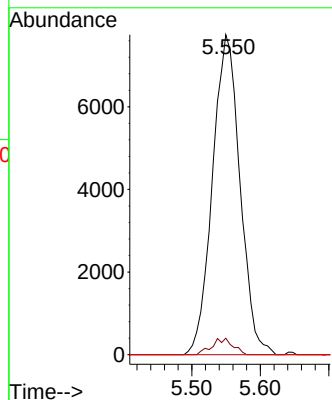


#38
Carbon Tetrachloride
Concen: 6.260 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX035610.D
Acq: 11 May 2023 16:17

Instrument :
MSVOA_X
ClientSampleId :
AU-504-VOC-07

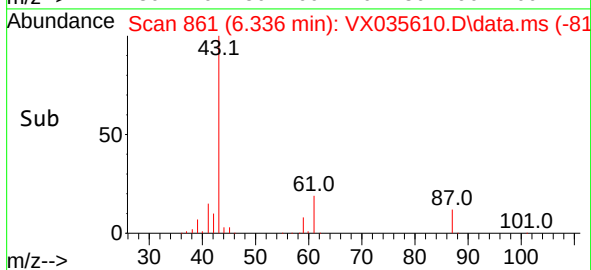
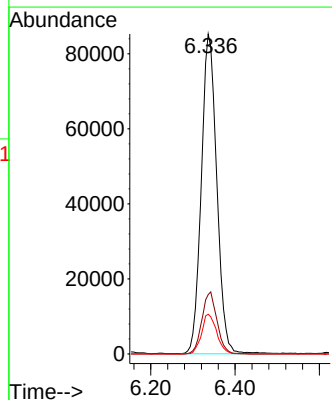
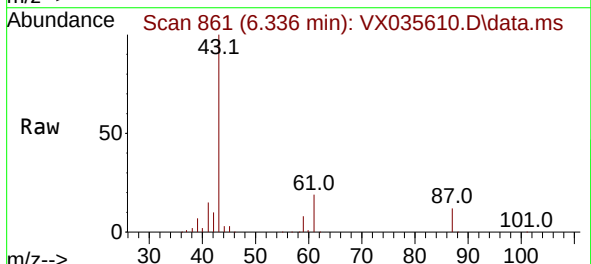


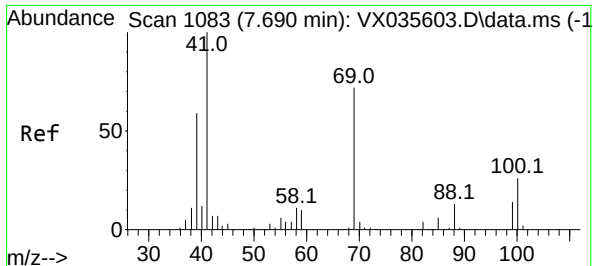
Tgt Ion:117 Resp: 21586
Ion Ratio Lower Upper
117 100
119 5.2 76.6 114.8#
121 0.0 23.8 35.6#



#43
Isopropyl Acetate
Concen: 32.920 ug/l
RT: 6.336 min Scan# 861
Delta R.T. 0.000 min
Lab File: VX035610.D
Acq: 11 May 2023 16:17

Tgt Ion: 43 Resp: 217948
Ion Ratio Lower Upper
43 100
61 18.9 15.2 22.8
87 12.2 9.8 14.8





#48

Methyl methacrylate

Concen: 49.763 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.109 min

Lab File: VX035610.D

Acq: 11 May 2023 16:17

Instrument :

MSVOA_X

ClientSampleId :

AU-504-VOC-07

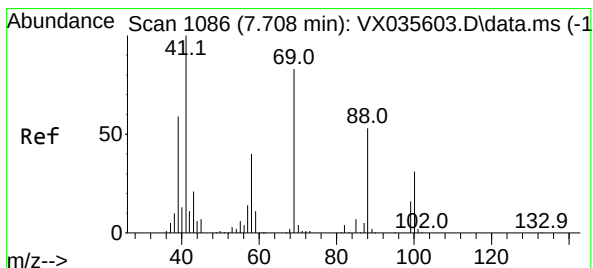
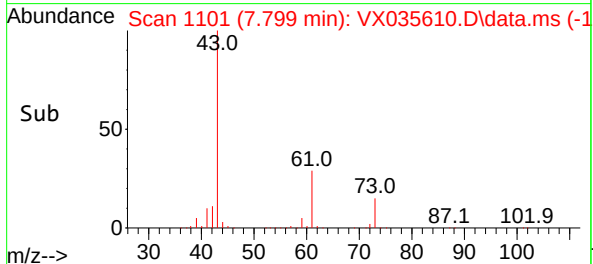
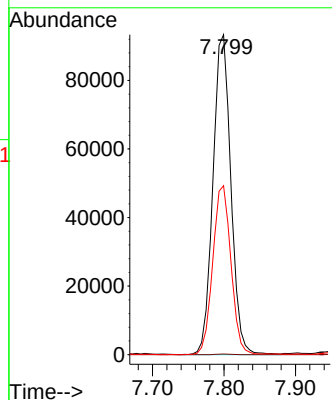
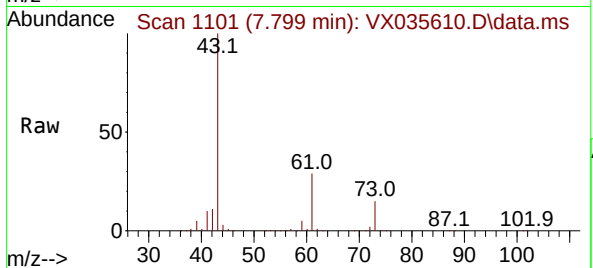
Tgt Ion: 41 Resp: 162594

Ion Ratio Lower Upper

41 100

69 0.2 62.2 93.4#

39 53.5 47.7 71.5



#49

1,4-Dioxane

Concen: 9.533 ug/l

RT: 7.696 min Scan# 1084

Delta R.T. -0.012 min

Lab File: VX035610.D

Acq: 11 May 2023 16:17

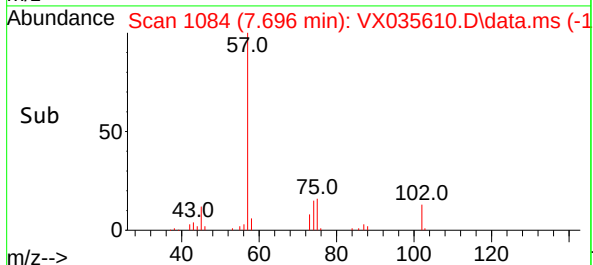
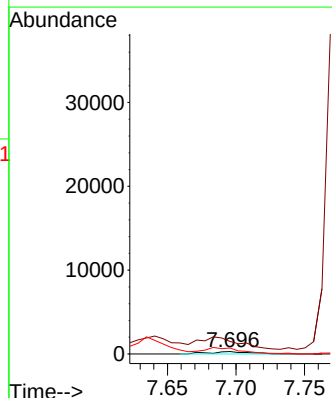
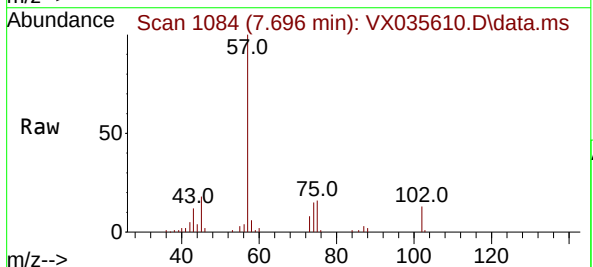
Tgt Ion: 88 Resp: 546

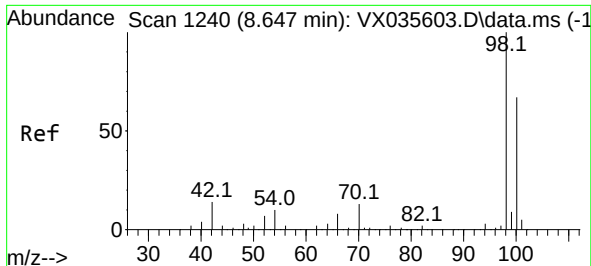
Ion Ratio Lower Upper

88 100

43 0.0 27.7 41.5#

58 275.1 56.8 85.2#

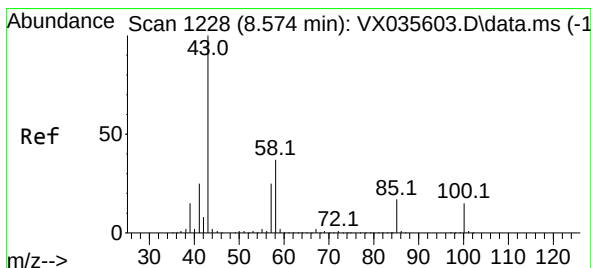
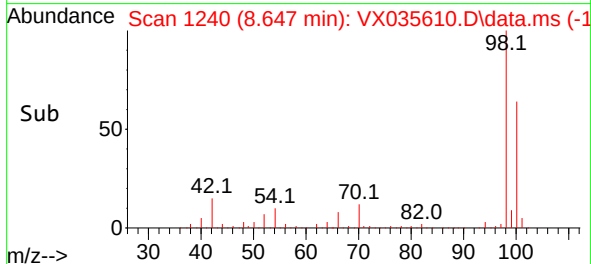
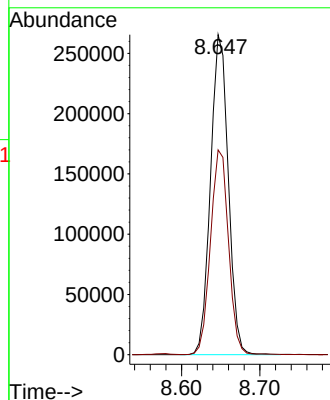
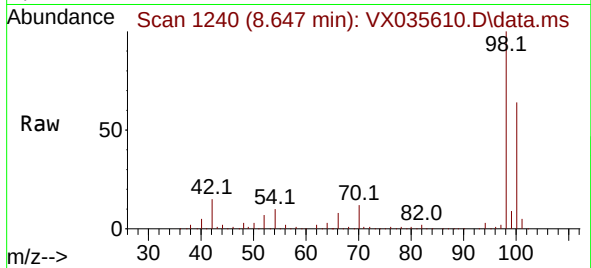




#50
Toluene-d8
Concen: 49.070 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX035610.D
Acq: 11 May 2023 16:17

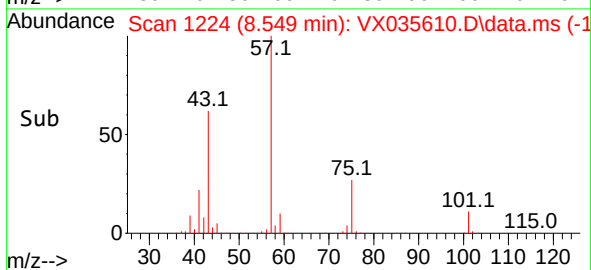
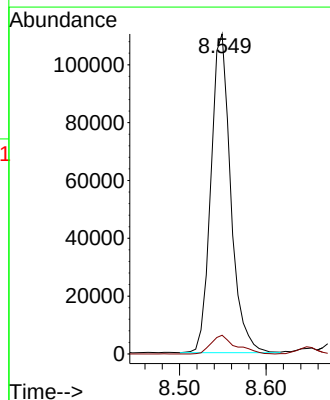
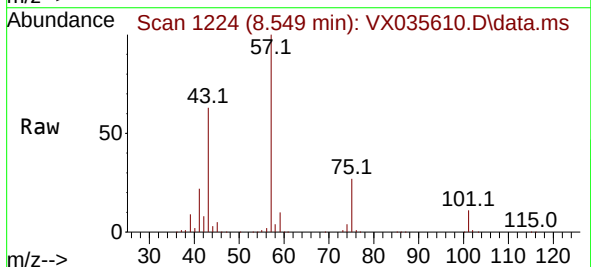
Instrument :
MSVOA_X
ClientSampleId :
AU-504-VOC-07

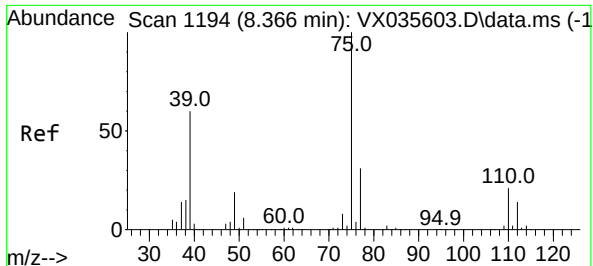
Tgt Ion: 98 Resp: 418042
Ion Ratio Lower Upper
98 100
100 65.0 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 45.939 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX035610.D
Acq: 11 May 2023 16:17

Tgt Ion: 43 Resp: 175218
Ion Ratio Lower Upper
43 100
58 7.3 30.6 46.0#

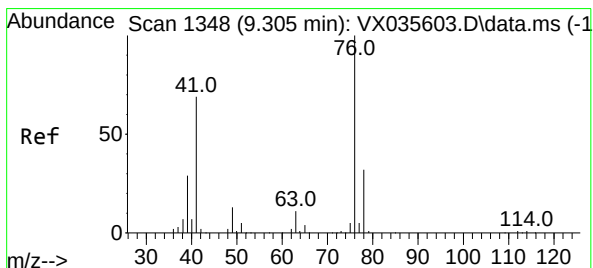
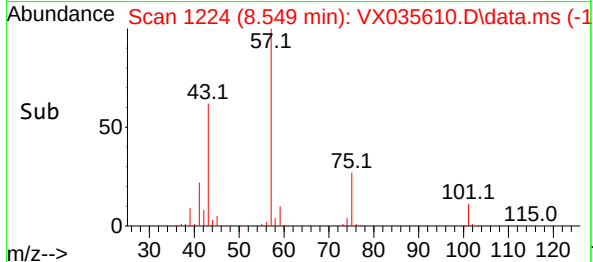
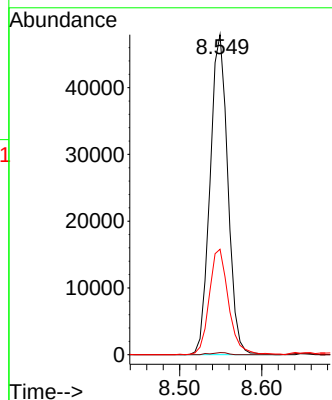
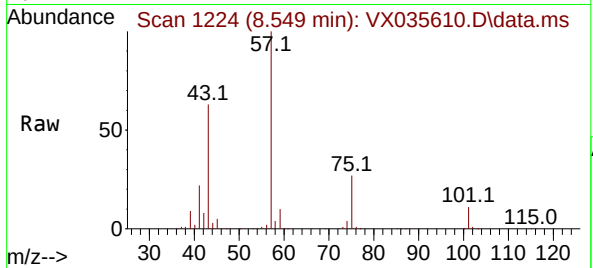




#54
 cis-1,3-Dichloropropene
 Concen: 17.317 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX035610.D
 Acq: 11 May 2023 16:17

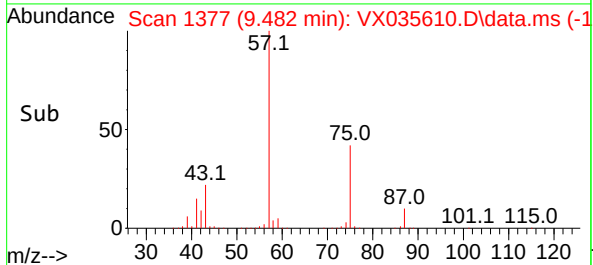
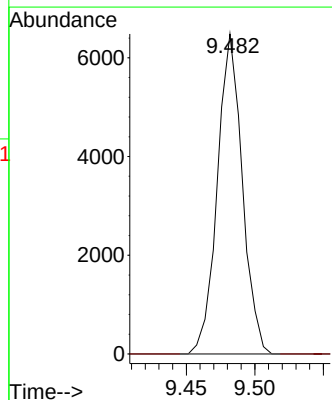
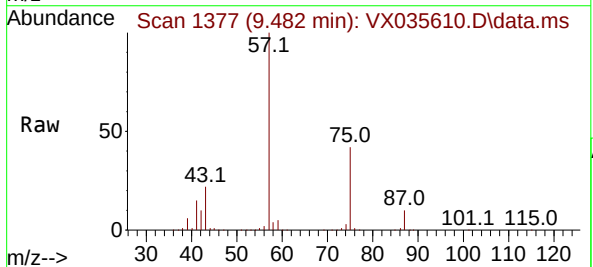
Instrument :
 MSVOA_X
 ClientSampleId :
 AU-504-VOC-07

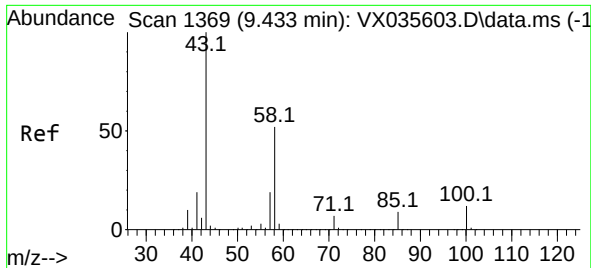
Tgt Ion: 75 Resp: 71928
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.0 37.4#
 39 32.8 44.6 66.8#



#57
 1,3-Dichloropropane
 Concen: 1.791 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX035610.D
 Acq: 11 May 2023 16:17

Tgt Ion: 76 Resp: 8196
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.8 38.8#

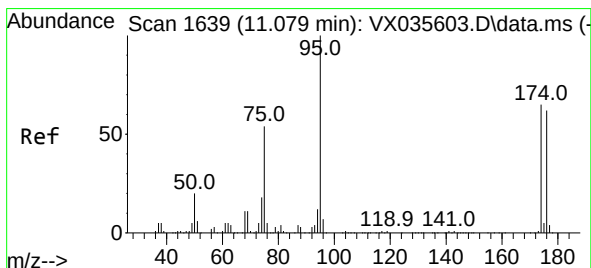
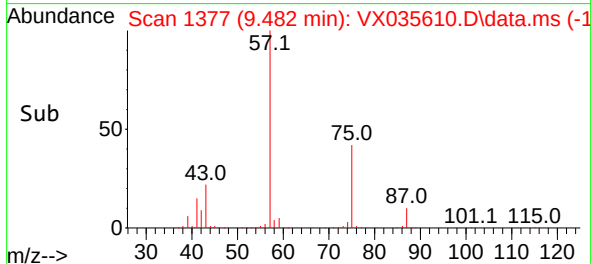
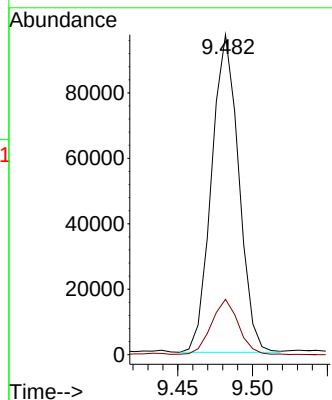
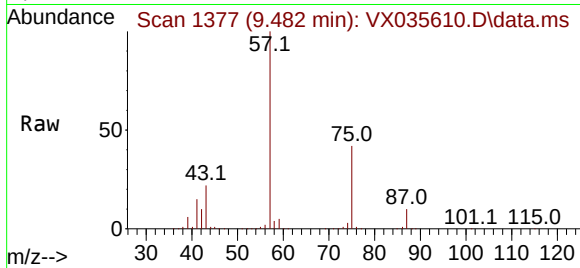




#59
2-Hexanone
Concen: 42.788 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.049 min
Lab File: VX035610.D
Acq: 11 May 2023 16:17

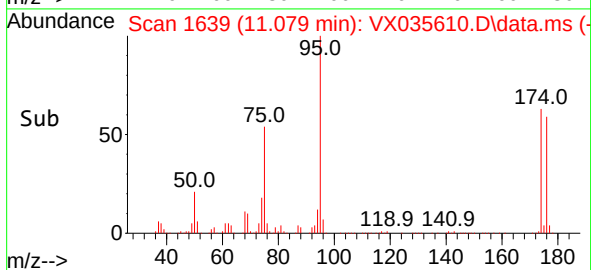
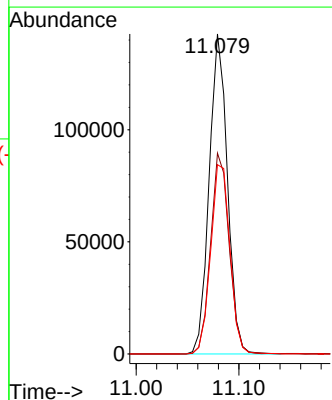
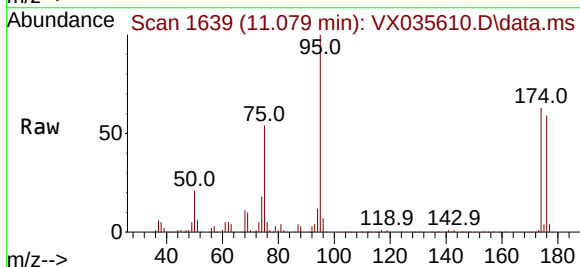
Instrument :
MSVOA_X
ClientSampleId :
AU-504-VOC-07

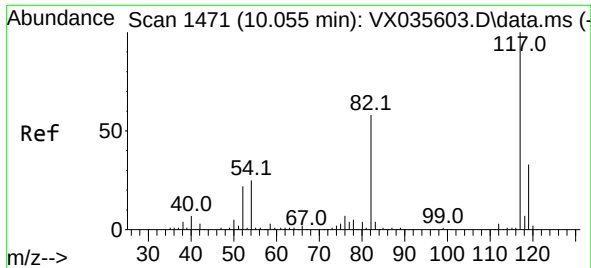
Tgt Ion: 43 Resp: 122906
Ion Ratio Lower Upper
43 100
58 17.5 26.3 78.9#



#62
4-Bromofluorobenzene
Concen: 51.375 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX035610.D
Acq: 11 May 2023 16:17

Tgt Ion: 95 Resp: 176229
Ion Ratio Lower Upper
95 100
174 63.9 0.0 147.4
176 62.7 0.0 140.6

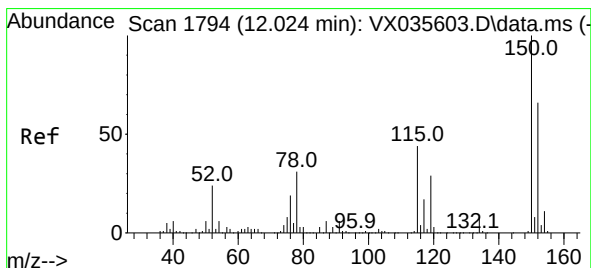
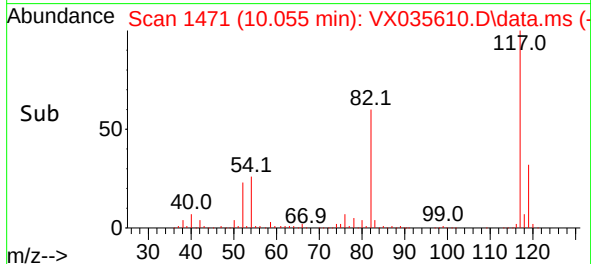
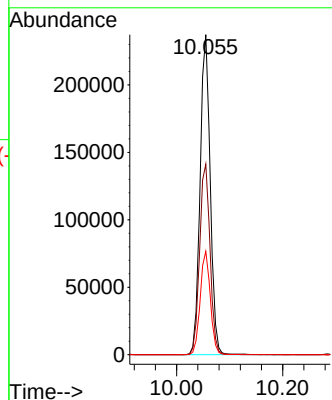
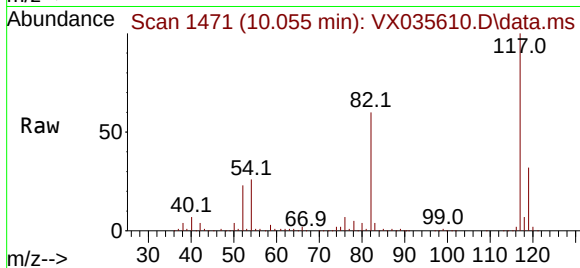




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX035610.D
Acq: 11 May 2023 16:17

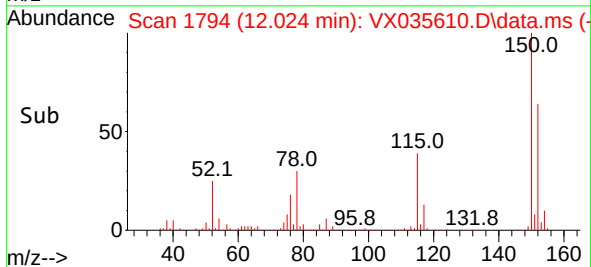
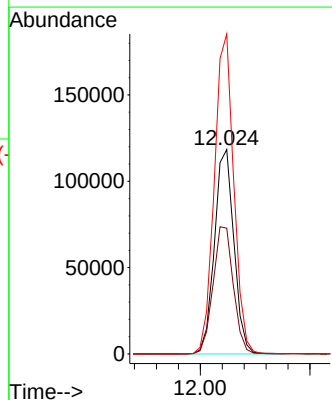
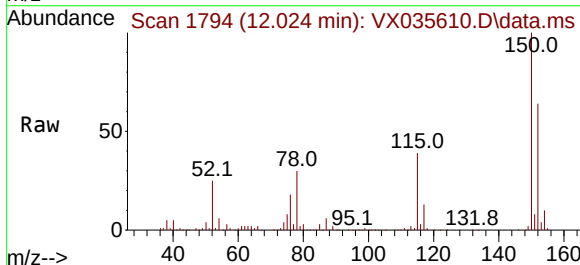
Instrument :
MSVOA_X
ClientSampleId :
AU-504-VOC-07

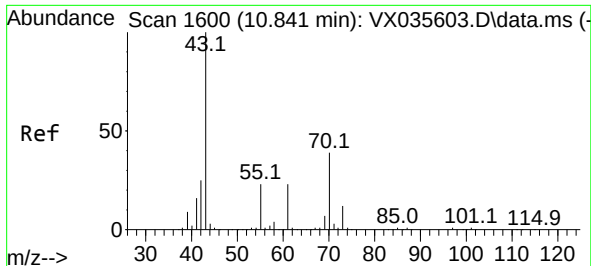
Tgt Ion:117 Resp: 314879
Ion Ratio Lower Upper
117 100
82 59.6 45.0 67.4
119 32.3 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX035610.D
Acq: 11 May 2023 16:17

Tgt Ion:152 Resp: 146392
Ion Ratio Lower Upper
152 100
115 64.8 45.0 135.0
150 155.8 0.0 352.4

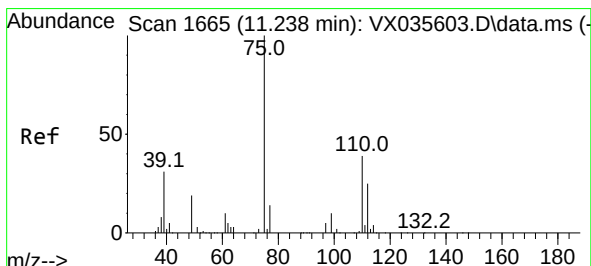
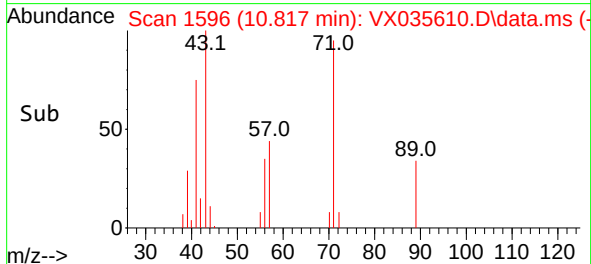
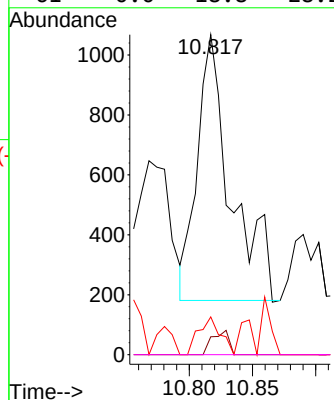
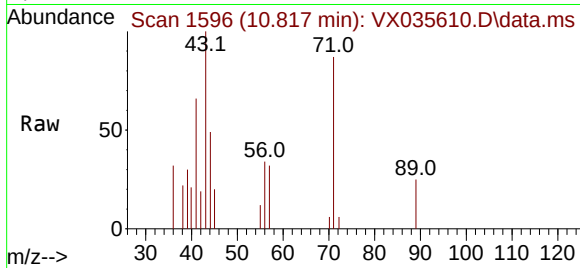




#74
N-amy1 acetate
Concen: 0.285 ug/l
RT: 10.817 min Scan# 1642
Delta R.T. -0.024 min
Lab File: VX035610.D
Acq: 11 May 2023 16:17

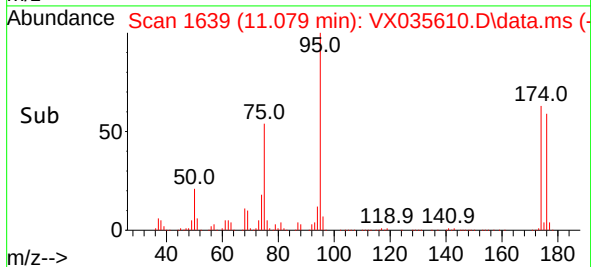
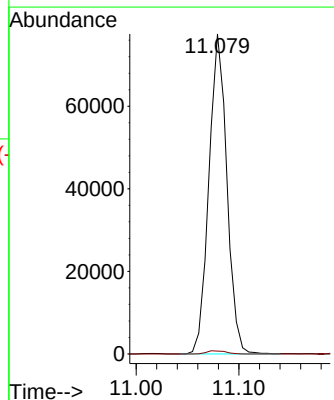
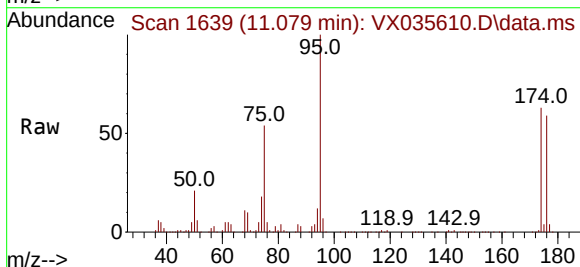
Instrument :
MSVOA_X
ClientSampleId :
AU-504-VOC-07

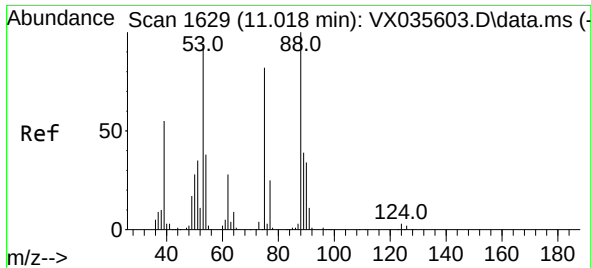
Tgt Ion	Ratio	Lower	Upper
43	100		
70	4.5	32.1	48.1#
55	9.3	18.3	27.5#
61	0.0	18.8	28.2#



#76
1,2,3-Trichloropropane
Concen: 26.345 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX035610.D
Acq: 11 May 2023 16:17

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.1	21.6	64.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 84.906 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX035610.D
 Acq: 11 May 2023 16:17

Instrument :
 MSVOA_X
 ClientSampleId :
 AU-504-VOC-07

Tgt Ion: 75 Resp: 94336
 Ion Ratio Lower Upper
 75 100
 53 0.0 82.6 124.0#
 89 0.0 36.9 55.3#

