

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082923\
 Data File : VX037372.D
 Acq On : 30 Aug 2023 05:59
 Operator : JC/MD
 Sample : 04198-17
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 31 01:26:53 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 18 09:30:38 2023
 Response via : Initial Calibration

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

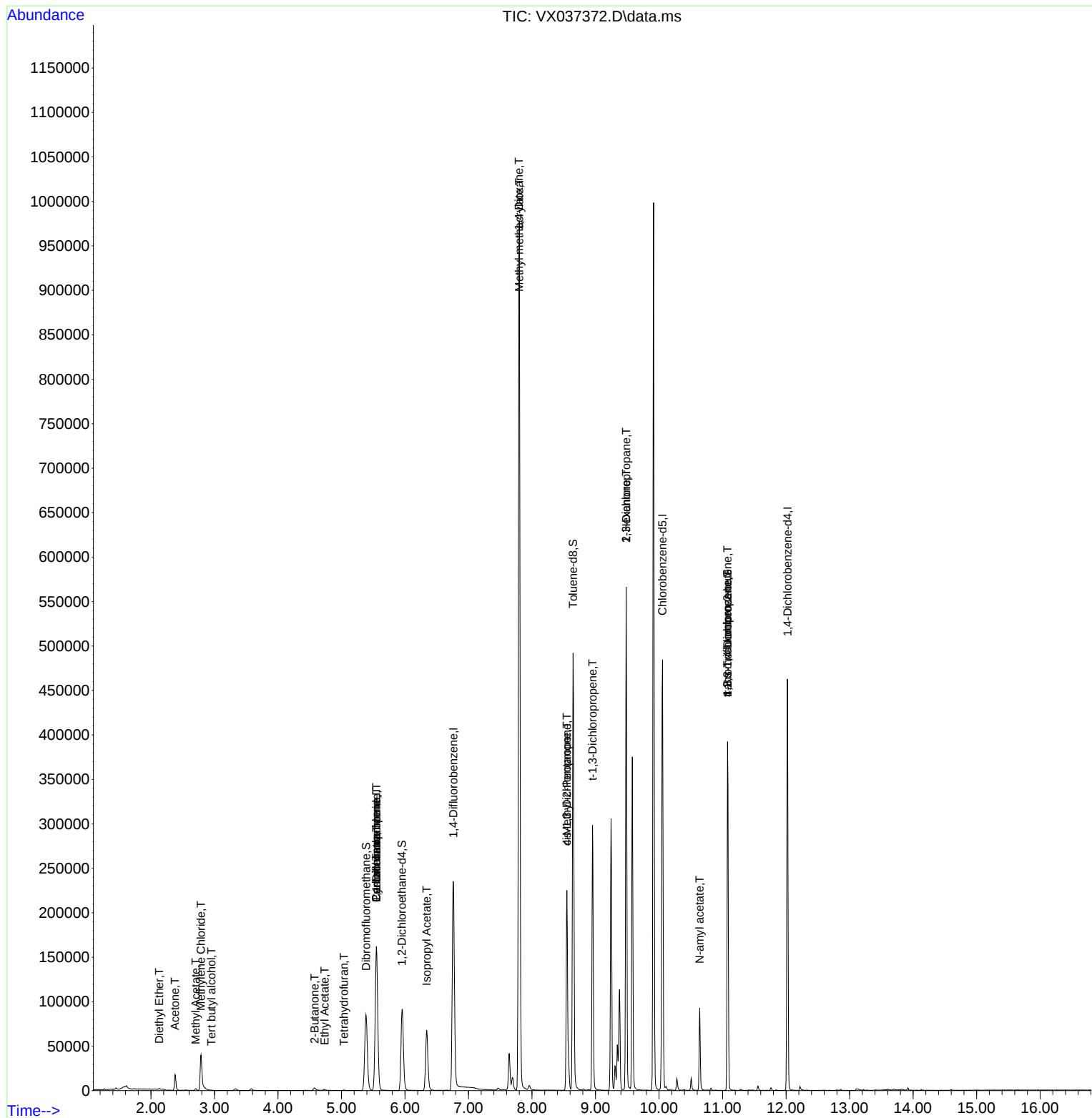
Internal Standards						
1) Pentafluorobenzene	5.550	168	150403	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	251117	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	226557	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	101721	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	92502	42.661	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	85.320%
35) Dibromofluoromethane	5.385	113	76547	46.027	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.060%
50) Toluene-d8	8.647	98	298269	49.442	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.880%
62) 4-Bromofluorobenzene	11.079	95	109115	46.026	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	92.060%
Target Compounds						
					Qvalue	
8) Diethyl Ether	2.130	74	295	0.280	ug/l #	29
11) Tert butyl alcohol	2.953	59	175	0.344	ug/l #	78
16) Acetone	2.380	43	18756	22.111	ug/l #	86
18) Methyl Acetate	2.703	43	2621	0.821	ug/l	94
20) Methylene Chloride	2.788	84	24434	12.880	ug/l #	84
25) 2-Butanone	4.574	43	5941	4.651	ug/l	92
29) Tetrahydrofuran	5.038	42	346	0.425	ug/l #	62
31) Cyclohexane	5.550	56	2923	1.199	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	11600	4.909	ug/l #	50
37) Ethyl Acetate	4.733	43	2616	1.084	ug/l #	79
38) Carbon Tetrachloride	5.550	117	15815	6.162	ug/l #	15
43) Isopropyl Acetate	6.342	43	90559	23.633	ug/l #	92
48) Methyl methacrylate	7.799	41	79655	42.625	ug/l #	46
49) 1,4-Dioxane	7.793	88	194	3.855	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	82501	35.456	ug/l #	47
53) t-1,3-Dichloropropene	8.952	75	656	0.244	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	39688	13.681	ug/l #	50
57) 1,3-Dichloropropane	9.482	76	5110	1.663	ug/l #	42
59) 2-Hexanone	9.482	43	59709	33.655	ug/l #	55
74) N-amyl acetate	10.640	43	19281	6.711	ug/l #	54
76) 1,2,3-Trichloropropane	11.079	75	53082	24.503	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	53082	68.439	ug/l #	5

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

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Misc : 5.0mL/MSVOA_X/WATER
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Instrument :
MSVOA_X
ClientSampleId :

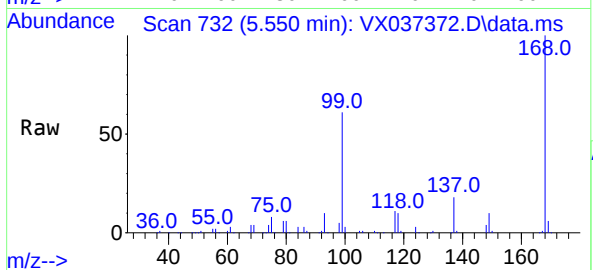
Quant Time: Aug 31 01:26:53 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 18 09:30:38 2023
Response via : Initial Calibration



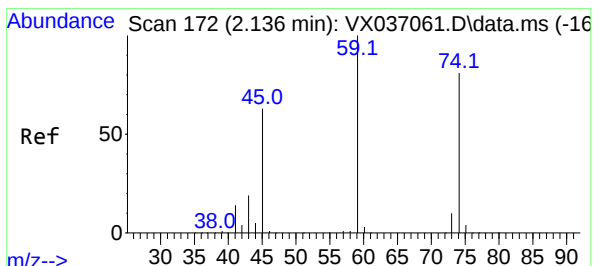
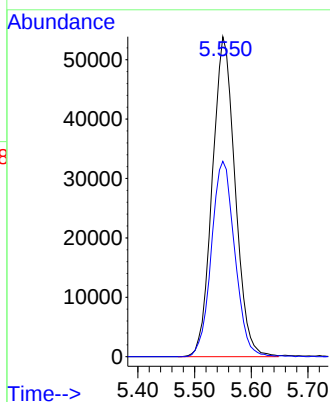
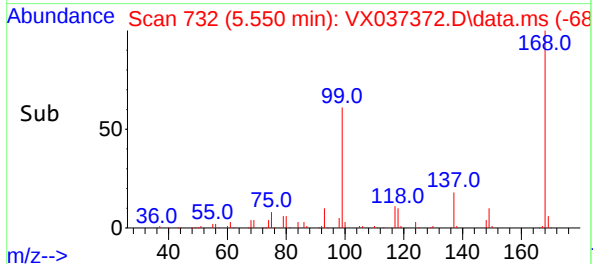


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX037372.D
Acq: 30 Aug 2023 05:59

Instrument :
MSVOA_X
ClientSampleId :

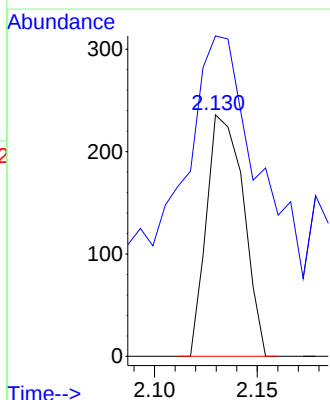
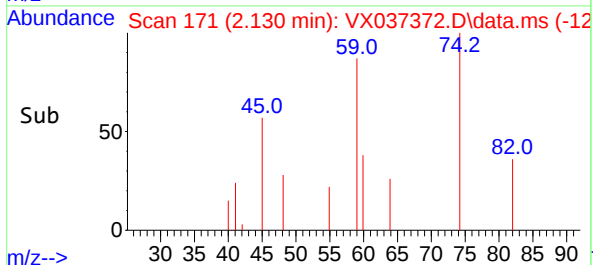
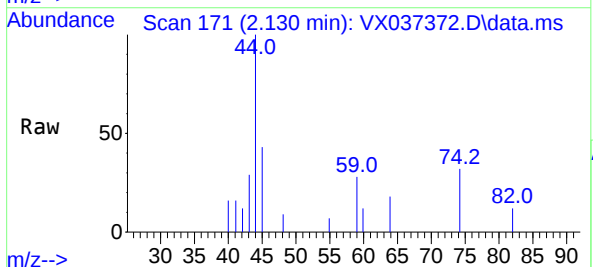


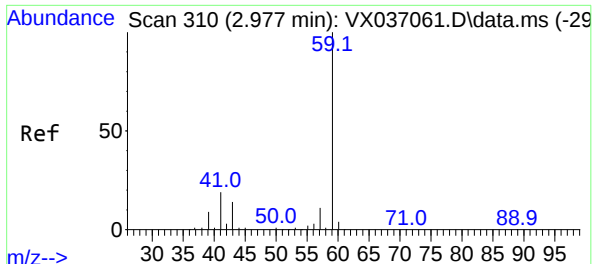
Tgt Ion:168 Resp: 150403
Ion Ratio Lower Upper
168 100
99 61.1 56.6 85.0



#8
Diethyl Ether
Concen: 0.280 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX037372.D
Acq: 30 Aug 2023 05:59

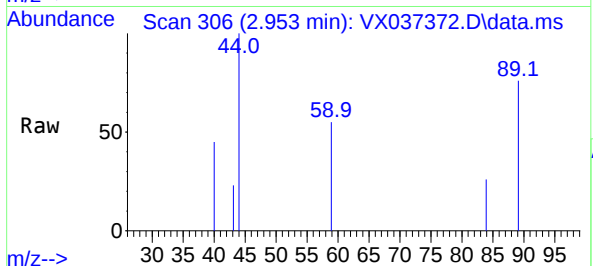
Tgt Ion: 74 Resp: 295
Ion Ratio Lower Upper
74 100
45 179.7 53.3 159.8#



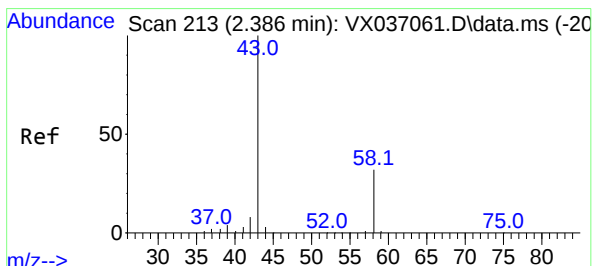
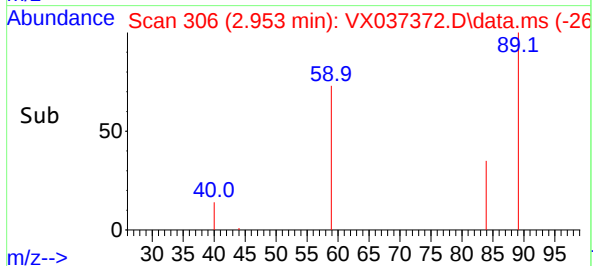
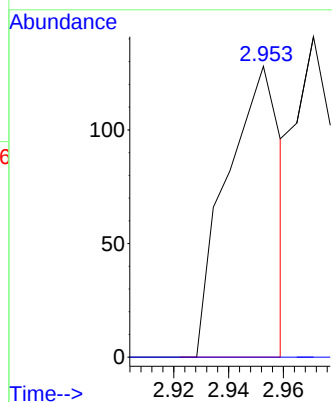


#11
Tert butyl alcohol
Concen: 0.344 ug/l
RT: 2.953 min Scan# 30
Delta R.T. -0.024 min
Lab File: VX037372.D
Acq: 30 Aug 2023 05:59

Instrument :
MSVOA_X
ClientSampleId :

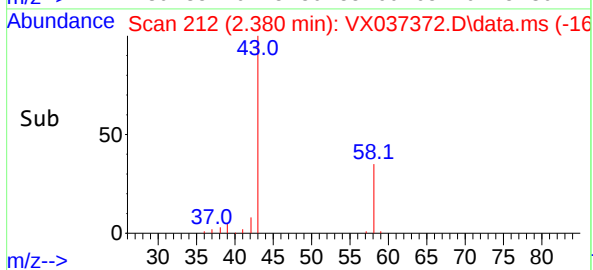
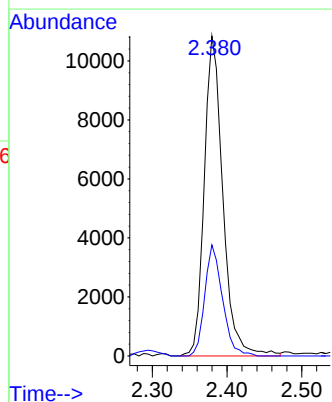
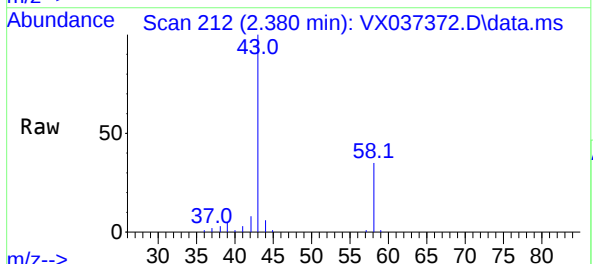


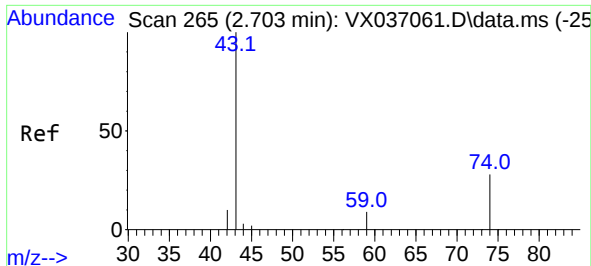
Tgt Ion: 59 Resp: 175
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



#16
Acetone
Concen: 22.111 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX037372.D
Acq: 30 Aug 2023 05:59

Tgt Ion: 43 Resp: 18756
Ion Ratio Lower Upper
43 100
58 34.7 21.9 32.9#

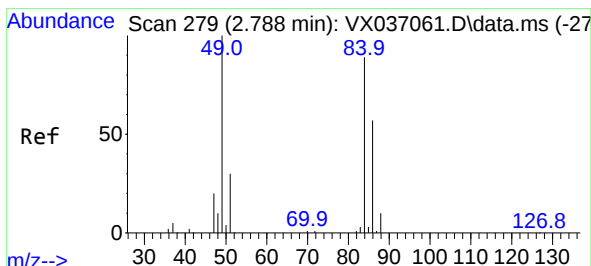
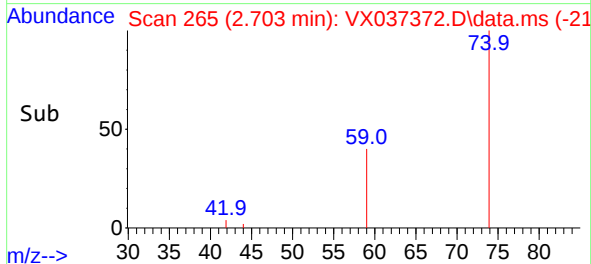
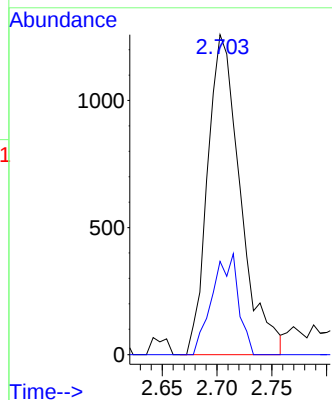
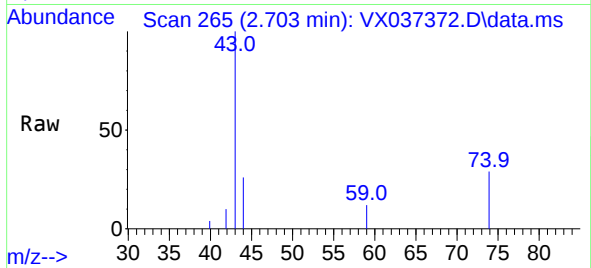




#18
Methyl Acetate
Concen: 0.821 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX037372.D
Acq: 30 Aug 2023 05:59

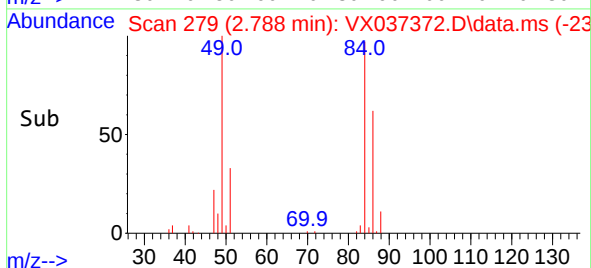
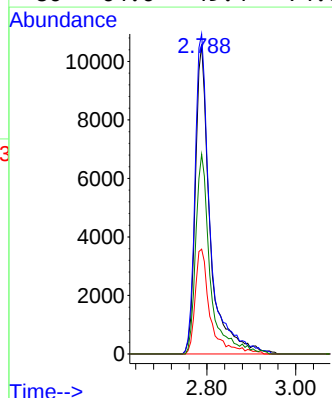
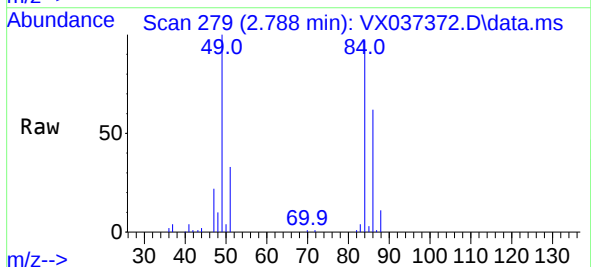
Instrument :
MSVOA_X
ClientSampleId :

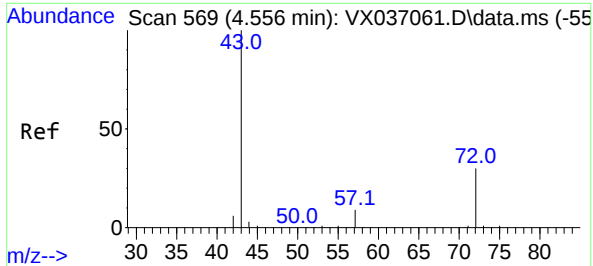
Tgt Ion: 43 Resp: 2621
Ion Ratio Lower Upper
43 100
74 25.0 17.8 26.8



#20
Methylene Chloride
Concen: 12.880 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX037372.D
Acq: 30 Aug 2023 05:59

Tgt Ion: 84 Resp: 24434
Ion Ratio Lower Upper
84 100
49 103.5 103.6 155.4#
51 33.9 33.8 50.6
86 64.6 49.4 74.0

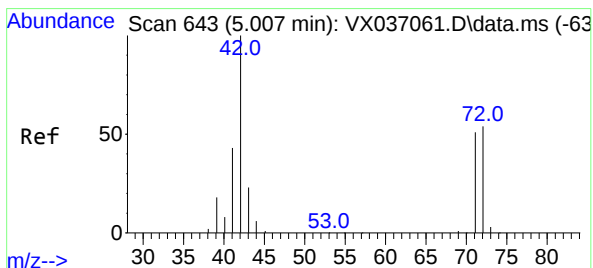
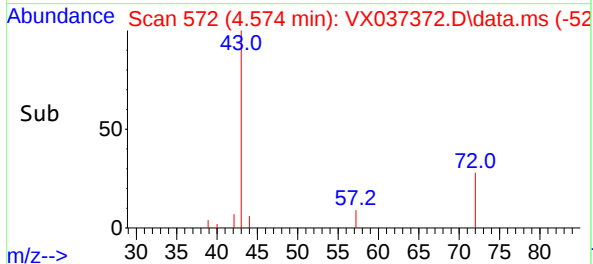
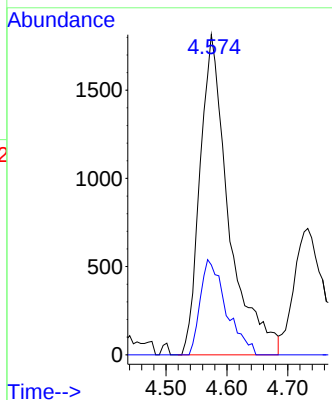
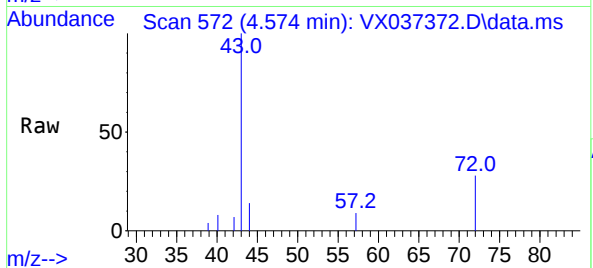




#25
2-Butanone
Concen: 4.651 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX037372.D
Acq: 30 Aug 2023 05:59

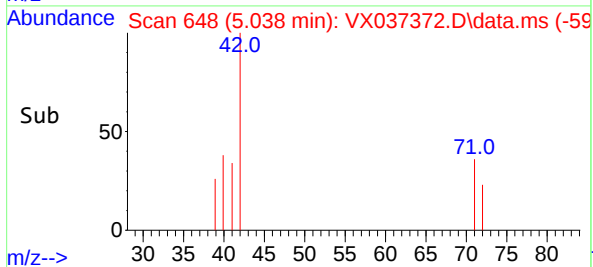
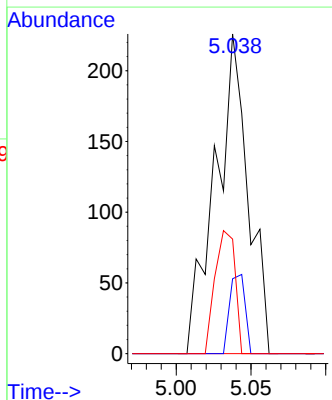
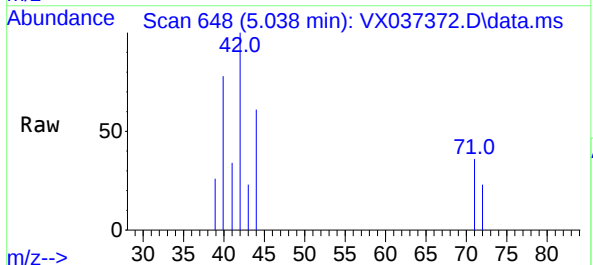
Instrument :
MSVOA_X
ClientSampleId :

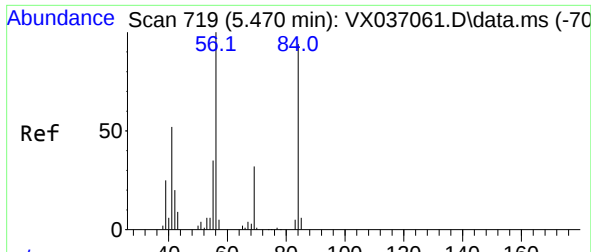
Tgt Ion: 43 Resp: 5941
Ion Ratio Lower Upper
43 100
72 28.0 19.4 29.2



#29
Tetrahydrofuran
Concen: 0.425 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.031 min
Lab File: VX037372.D
Acq: 30 Aug 2023 05:59

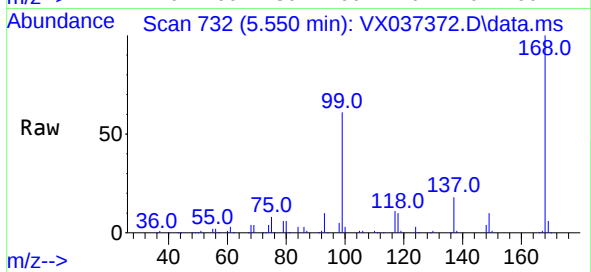
Tgt Ion: 42 Resp: 346
Ion Ratio Lower Upper
42 100
72 11.6 34.2 51.4#
71 23.4 32.2 48.2#



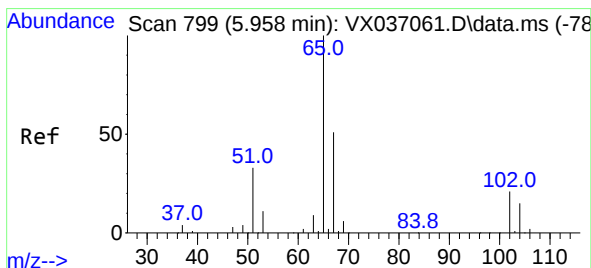
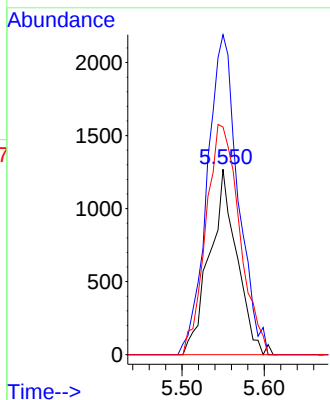
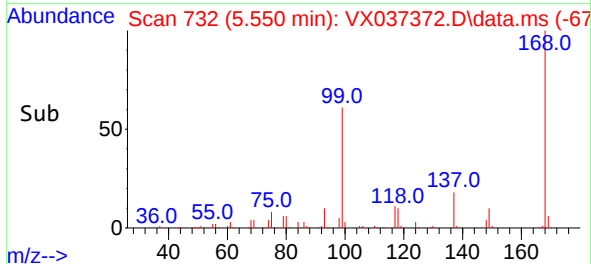


#31
Cyclohexane
Concen: 1.199 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX037372.D
Acq: 30 Aug 2023 05:59

Instrument :
MSVOA_X
ClientSampleId :

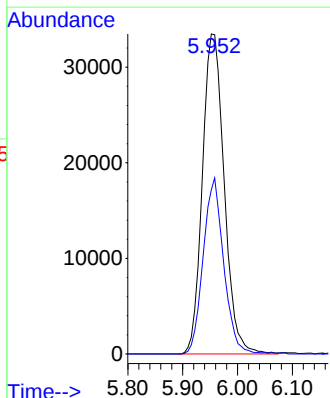
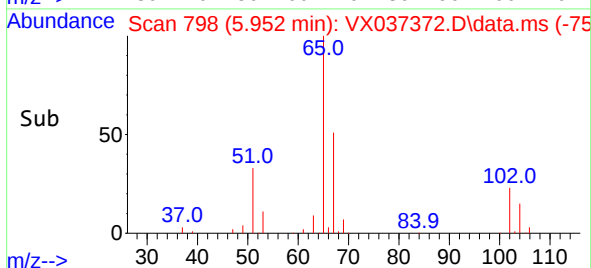
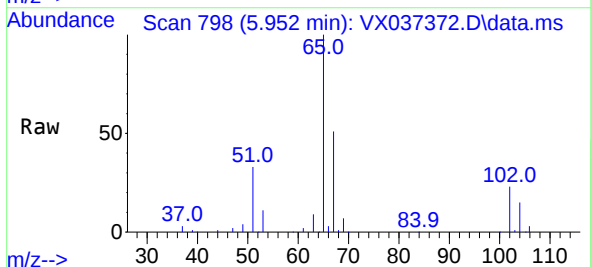


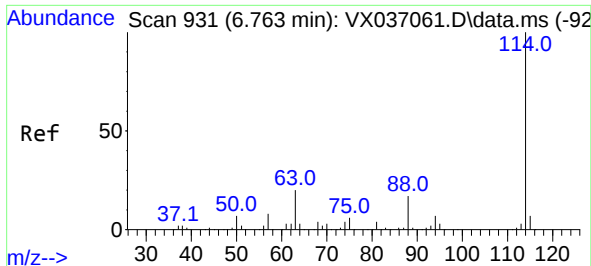
Tgt Ion: 56 Resp: 2923
Ion Ratio Lower Upper
56 100
69 172.5 23.4 35.2#
84 122.8 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 42.661 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX037372.D
Acq: 30 Aug 2023 05:59

Tgt Ion: 65 Resp: 92502
Ion Ratio Lower Upper
65 100
67 51.8 0.0 100.2

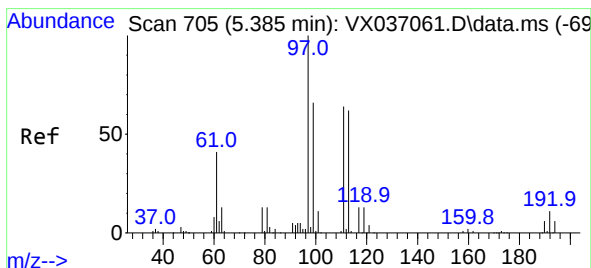
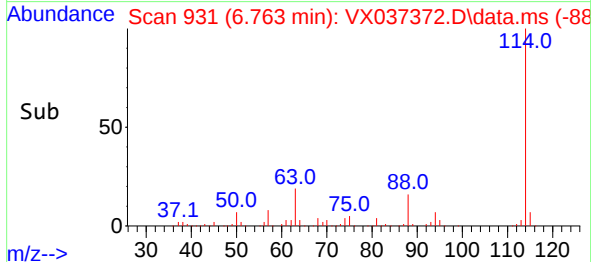
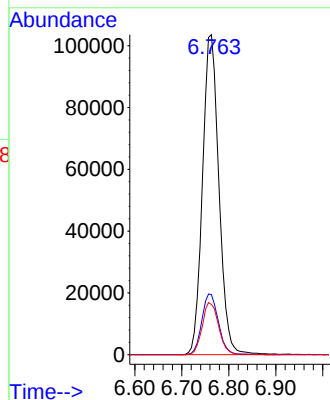
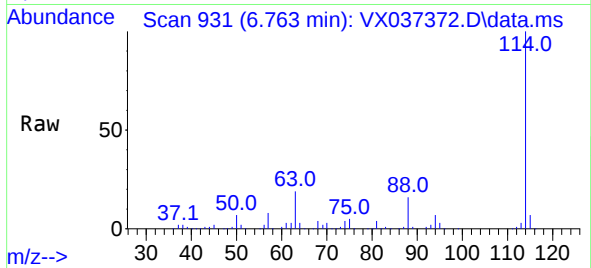




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX037372.D
Acq: 30 Aug 2023 05:59

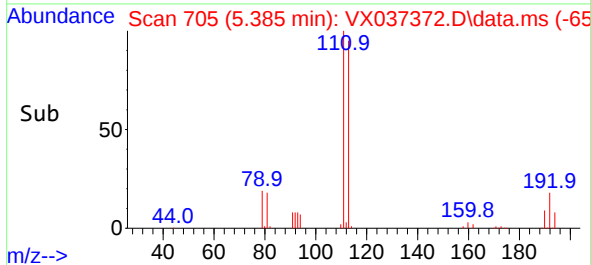
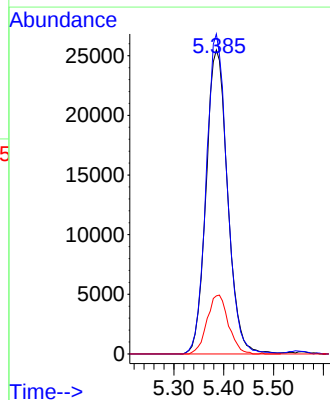
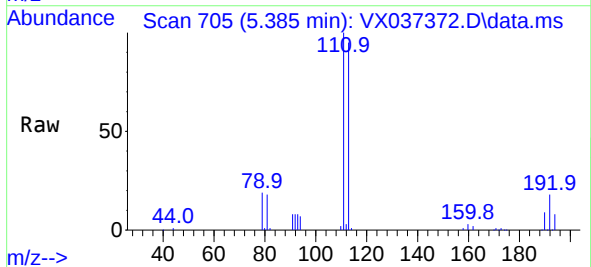
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MSVOA_X
ClientSampleId :

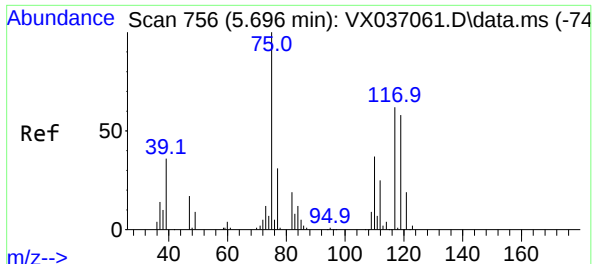
Tgt Ion:114 Resp: 251117
Ion Ratio Lower Upper
114 100
63 18.8 0.0 45.0
88 15.7 0.0 36.6



#35
Dibromofluoromethane
Concen: 46.027 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX037372.D
Acq: 30 Aug 2023 05:59

Tgt Ion:113 Resp: 76547
Ion Ratio Lower Upper
113 100
111 102.3 82.9 124.3
192 19.1 13.3 19.9





#36

1,1-Dichloropropene

Concen: 4.909 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.146 min

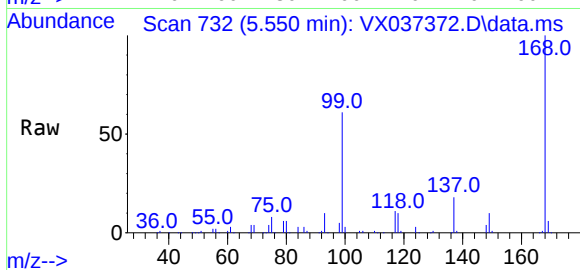
Lab File: VX037372.D

Acq: 30 Aug 2023 05:59

Instrument :

MSVOA_X

ClientSampleId :



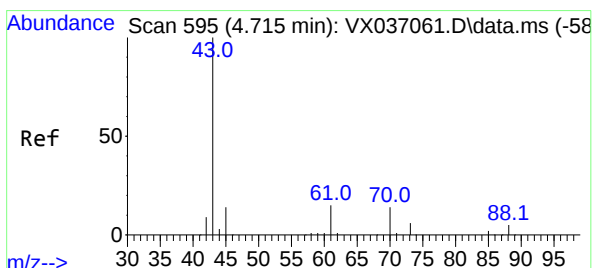
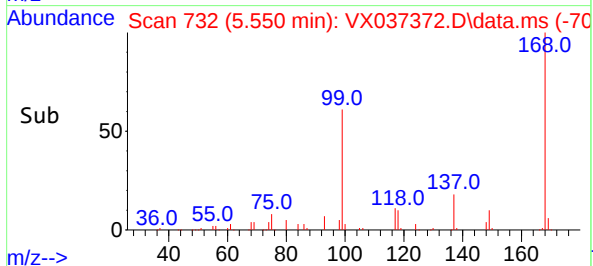
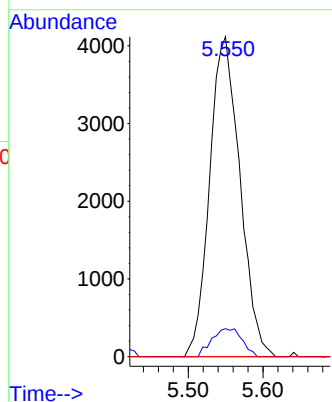
Tgt Ion: 75 Resp: 11600

Ion Ratio Lower Upper

75 100

110 8.7 17.0 50.9#

77 0.0 24.7 37.1#



#37

Ethyl Acetate

Concen: 1.084 ug/l

RT: 4.733 min Scan# 598

Delta R.T. 0.018 min

Lab File: VX037372.D

Acq: 30 Aug 2023 05:59

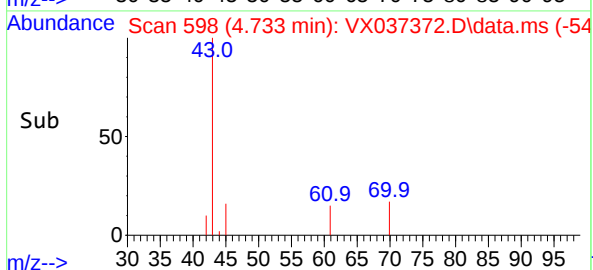
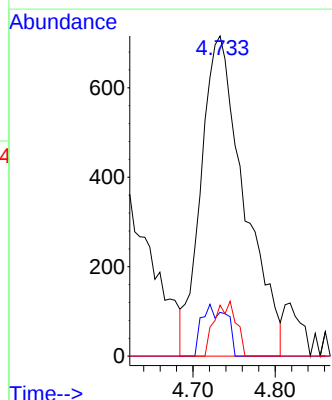
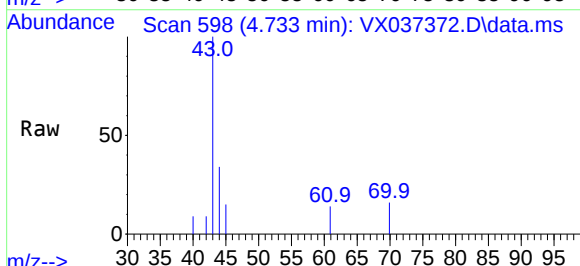
Tgt Ion: 43 Resp: 2616

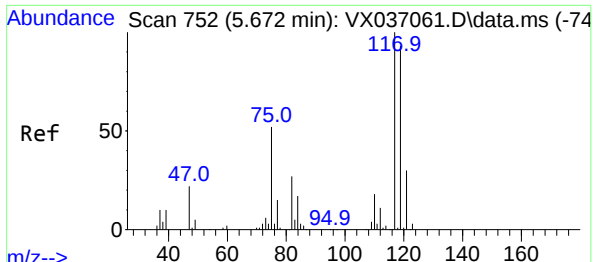
Ion Ratio Lower Upper

43 100

61 0.0 10.6 16.0#

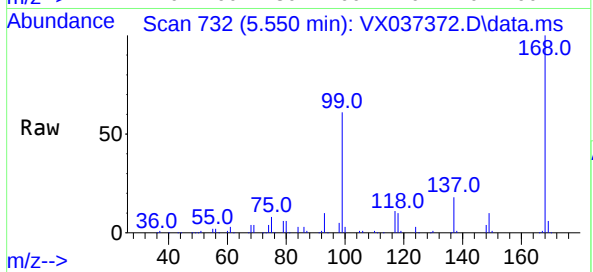
70 8.6 8.3 12.5



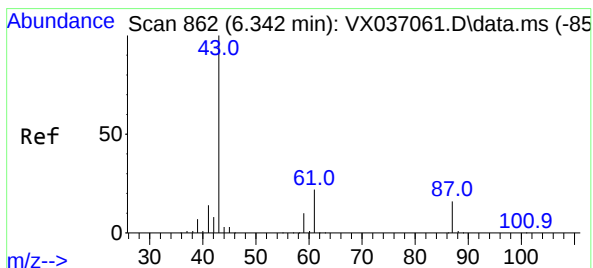
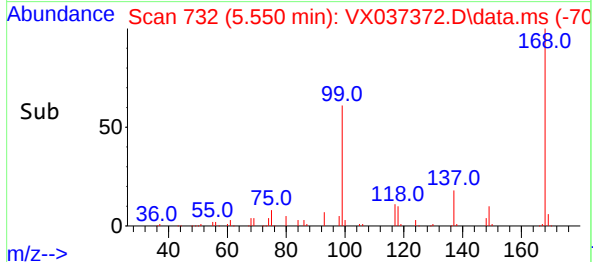
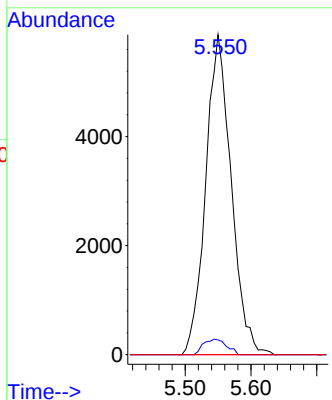


#38
Carbon Tetrachloride
Concen: 6.162 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX037372.D
Acq: 30 Aug 2023 05:59

Instrument :
MSVOA_X
ClientSampleId :

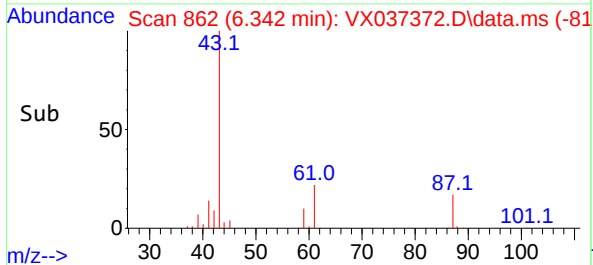
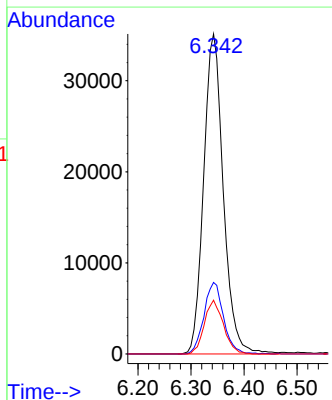
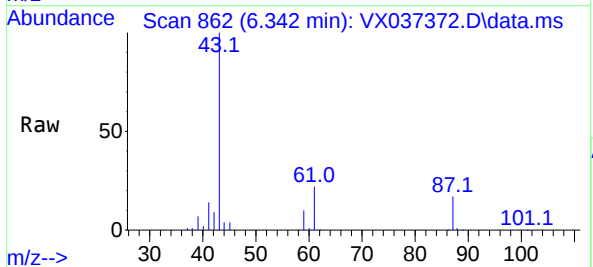


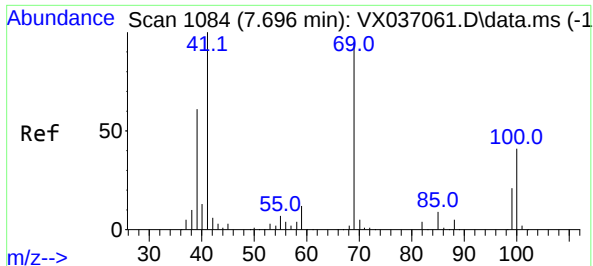
Tgt Ion:117 Resp: 15815
Ion Ratio Lower Upper
117 100
119 4.6 78.2 117.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 23.633 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX037372.D
Acq: 30 Aug 2023 05:59

Tgt Ion: 43 Resp: 90559
Ion Ratio Lower Upper
43 100
61 22.2 15.2 22.8
87 16.3 9.8 14.6#

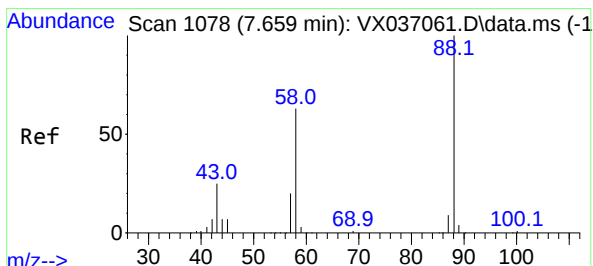
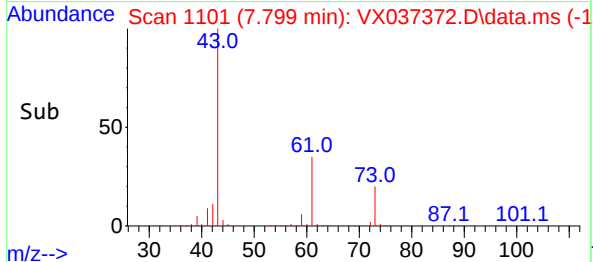
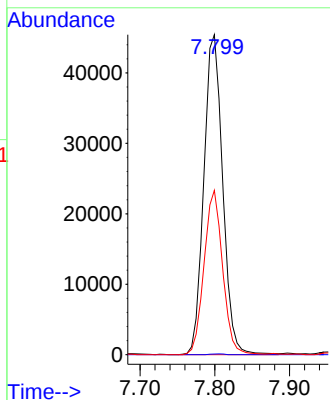
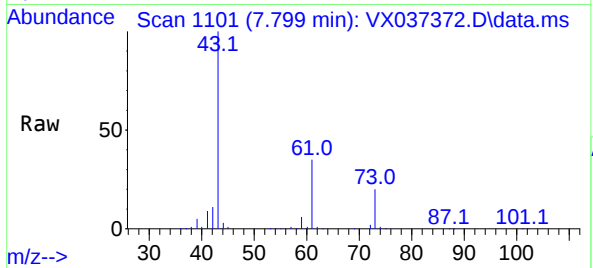




#48
Methyl methacrylate
Concen: 42.625 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX037372.D
Acq: 30 Aug 2023 05:59

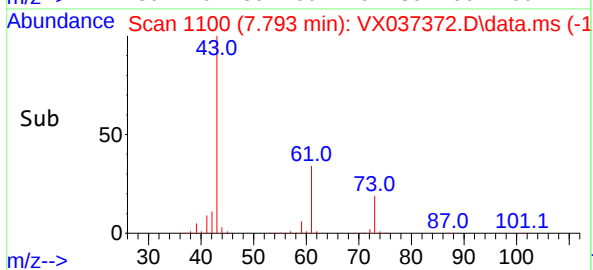
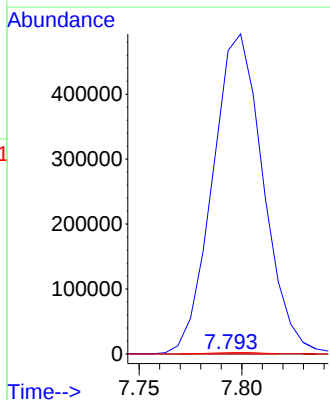
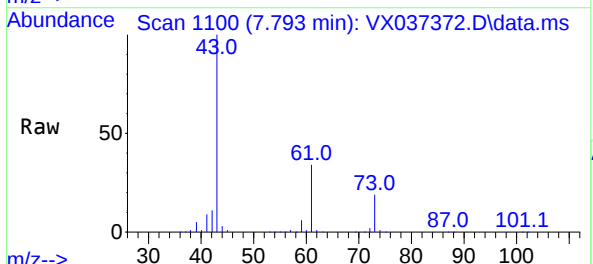
Instrument :
MSVOA_X
ClientSampleId :

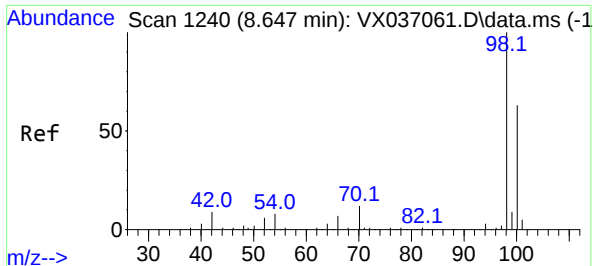
Tgt Ion: 41 Resp: 79655
Ion Ratio Lower Upper
41 100
69 0.2 59.2 88.8#
39 50.5 47.7 71.5



#49
1,4-Dioxane
Concen: 3.855 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.134 min
Lab File: VX037372.D
Acq: 30 Aug 2023 05:59

Tgt Ion: 88 Resp: 194
Ion Ratio Lower Upper
88 100
43 439924.2 0.0 0.0#
58 2050.5 60.1 90.1#

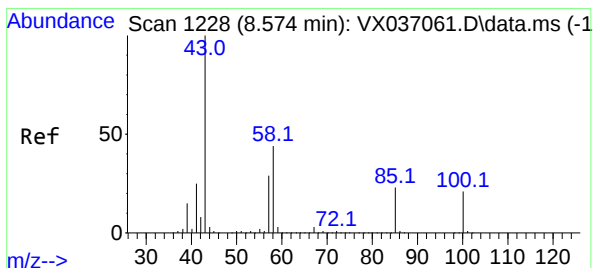
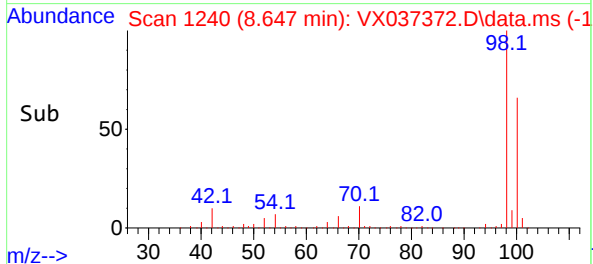
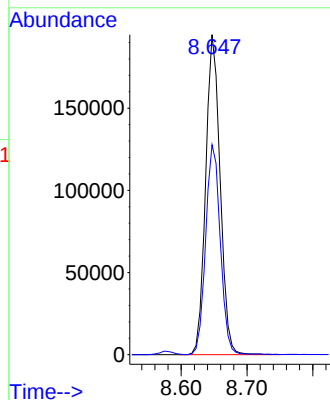
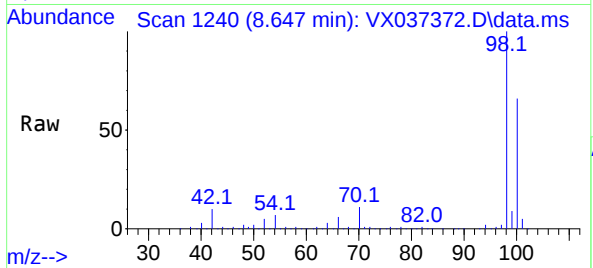




#50
Toluene-d8
Concen: 49.442 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX037372.D
Acq: 30 Aug 2023 05:59

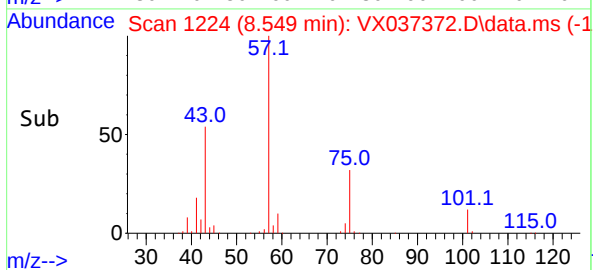
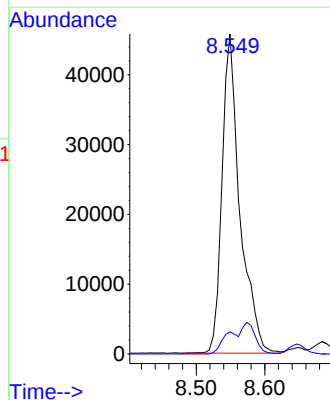
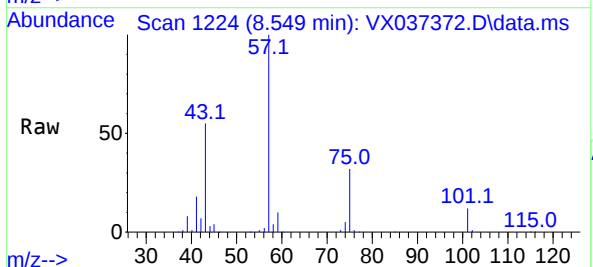
Instrument :
MSVOA_X
ClientSampleId :

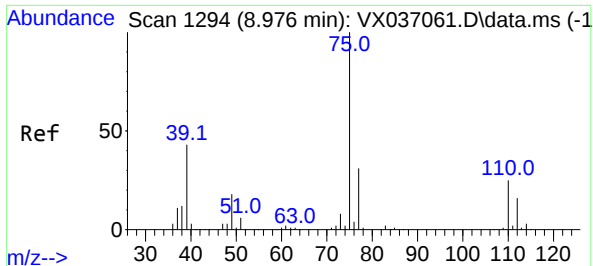
Tgt Ion: 98 Resp: 298269
Ion Ratio Lower Upper
98 100
100 66.3 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 35.456 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX037372.D
Acq: 30 Aug 2023 05:59

Tgt Ion: 43 Resp: 82501
Ion Ratio Lower Upper
43 100
58 6.3 30.4 45.6#

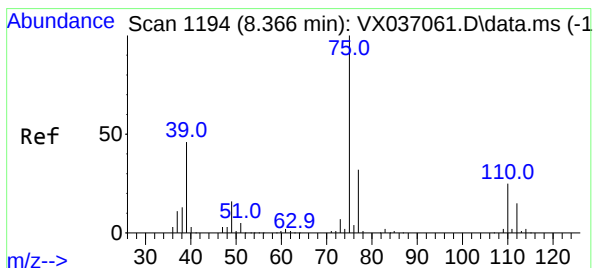
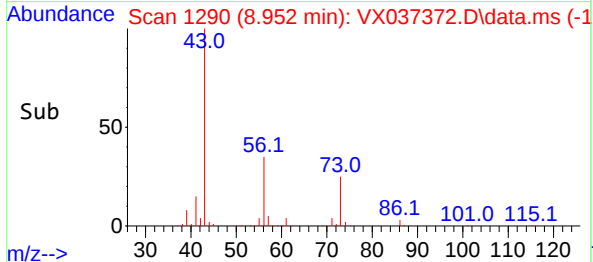
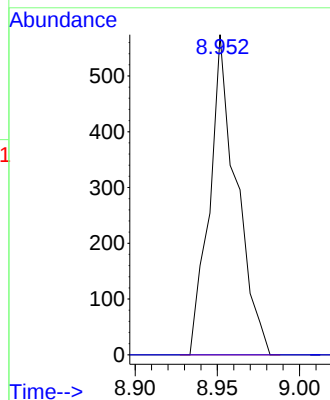
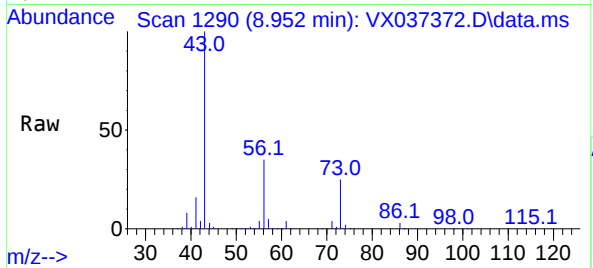




#53
 t-1,3-Dichloropropene
 Concen: 0.244 ug/l
 RT: 8.952 min Scan# 11
 Delta R.T. -0.024 min
 Lab File: VX037372.D
 Acq: 30 Aug 2023 05:59

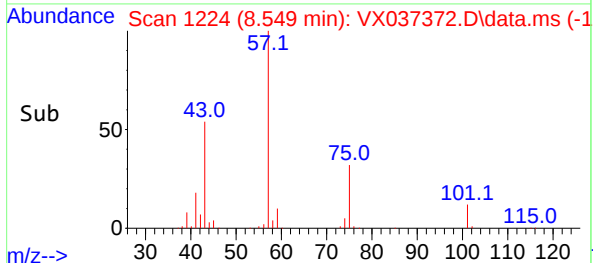
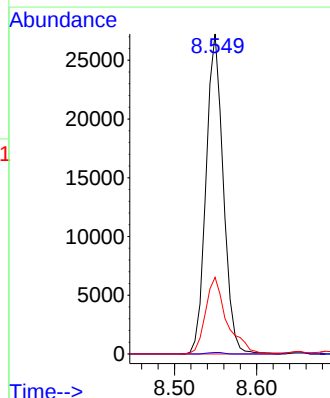
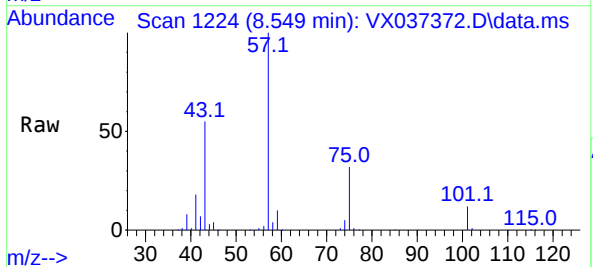
Instrument :
 MSVOA_X
 ClientSampleId :

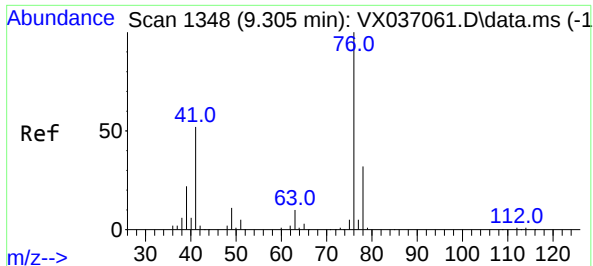
Tgt Ion: 75 Resp: 656
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.7 38.5#



#54
 cis-1,3-Dichloropropene
 Concen: 13.681 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX037372.D
 Acq: 30 Aug 2023 05:59

Tgt Ion: 75 Resp: 39688
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.3 37.9#
 39 24.0 46.7 70.1#

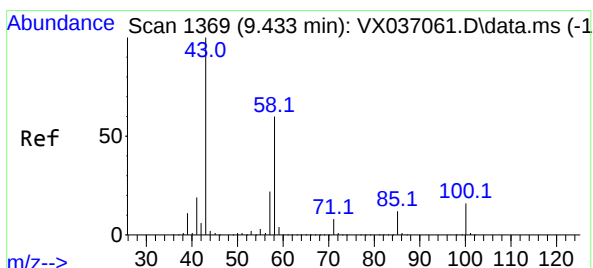
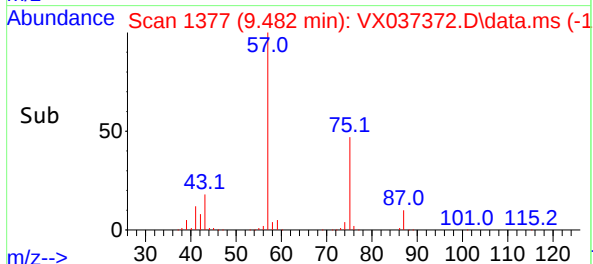
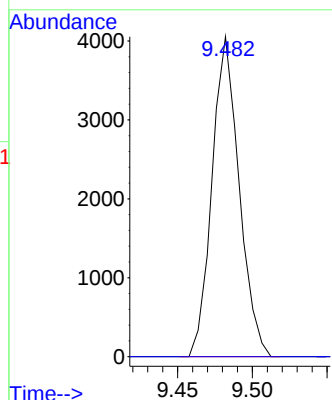
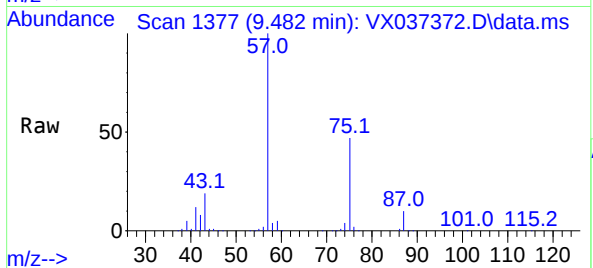




#57
1,3-Dichloropropane
Concen: 1.663 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX037372.D
Acq: 30 Aug 2023 05:59

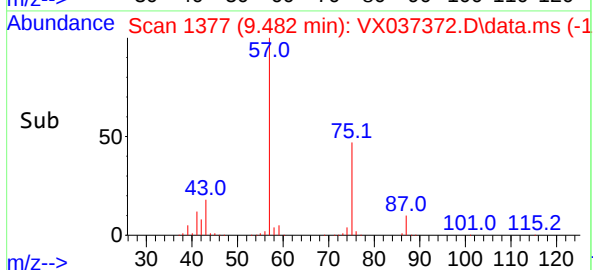
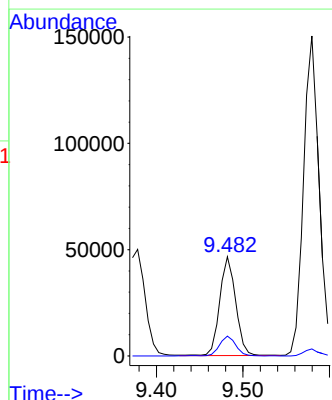
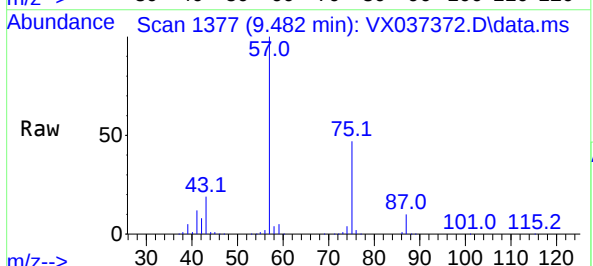
Instrument :
MSVOA_X
ClientSampleId :

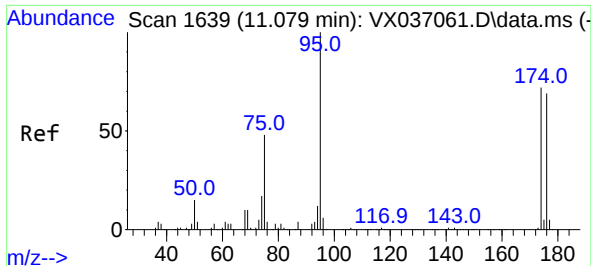
Tgt Ion: 76 Resp: 5110
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#



#59
2-Hexanone
Concen: 33.655 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX037372.D
Acq: 30 Aug 2023 05:59

Tgt Ion: 43 Resp: 59709
Ion Ratio Lower Upper
43 100
58 20.6 26.2 78.5#

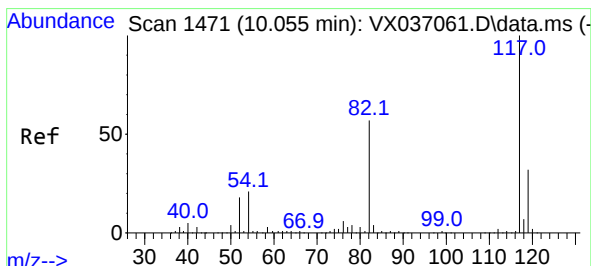
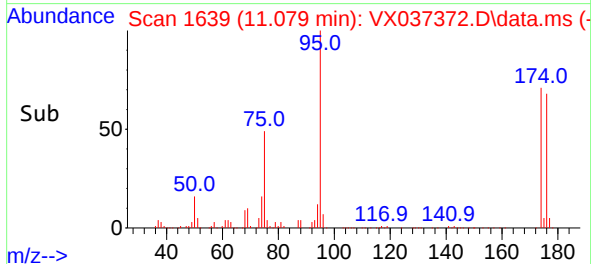
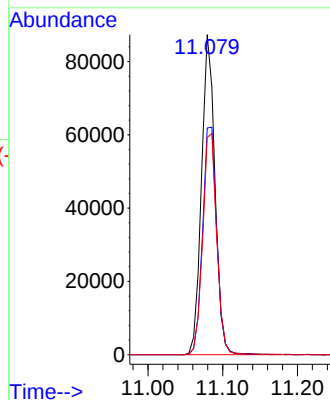
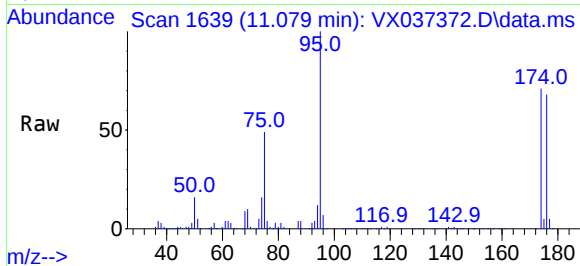




#62
4-Bromofluorobenzene
Concen: 46.026 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX037372.D
Acq: 30 Aug 2023 05:59

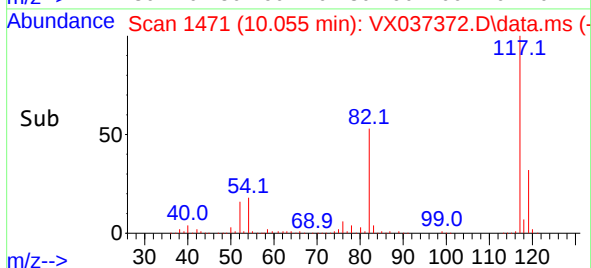
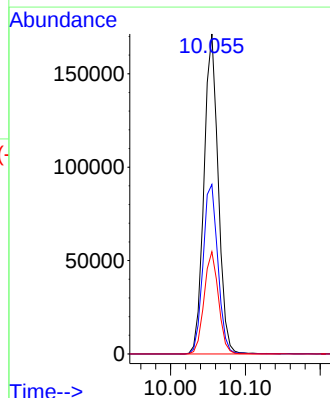
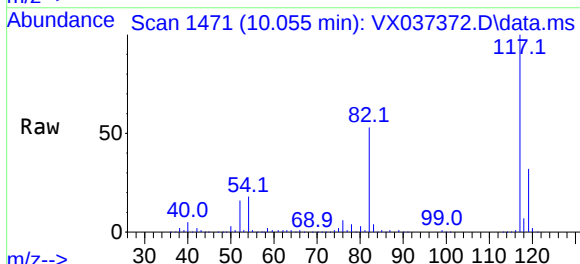
Instrument :
MSVOA_X
ClientSampleId :

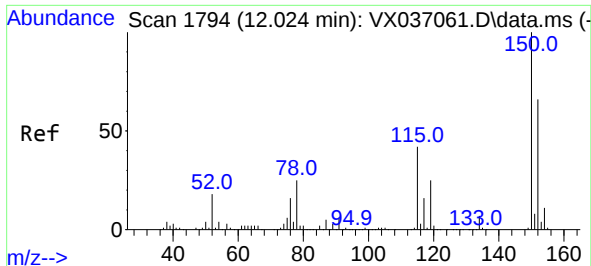
Tgt Ion: 95 Resp: 109115
Ion Ratio Lower Upper
95 100
174 74.8 0.0 135.6
176 71.8 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX037372.D
Acq: 30 Aug 2023 05:59

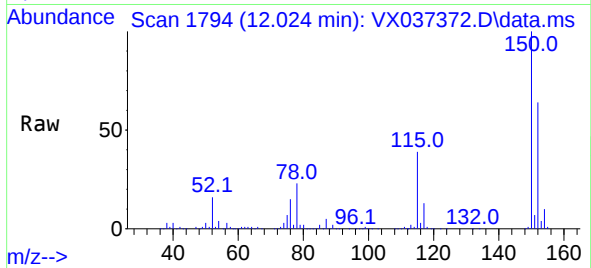
Tgt Ion: 117 Resp: 226557
Ion Ratio Lower Upper
117 100
82 53.0 46.2 69.4
119 31.9 25.5 38.3



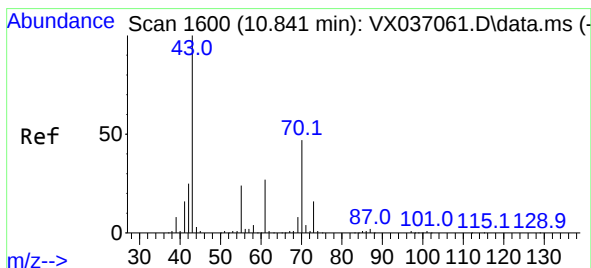
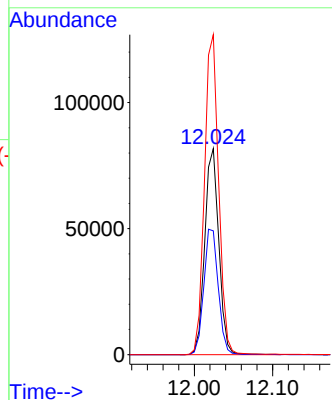
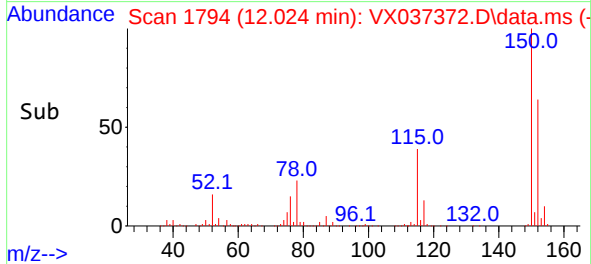


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX037372.D
Acq: 30 Aug 2023 05:59

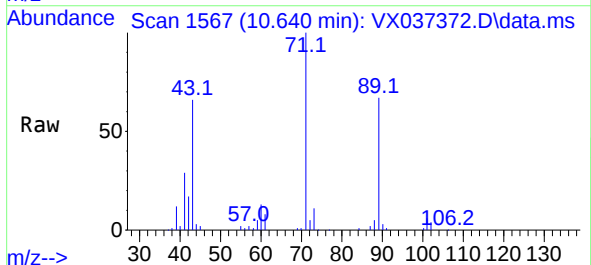
Instrument :
MSVOA_X
ClientSampleId :



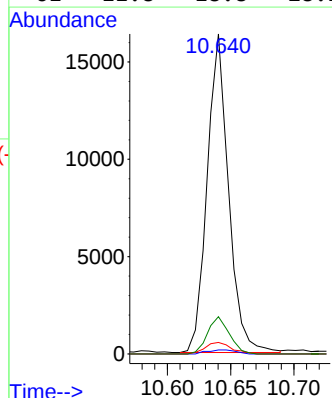
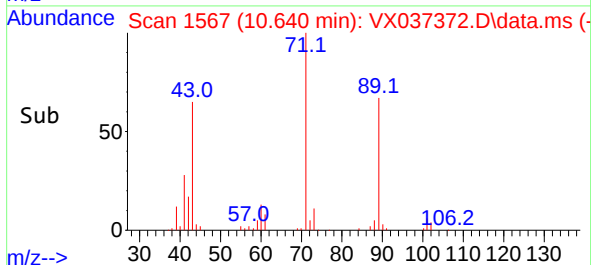
Tgt Ion:152 Resp: 101721
Ion Ratio Lower Upper
152 100
115 62.8 43.3 129.9
150 156.1 0.0 345.0

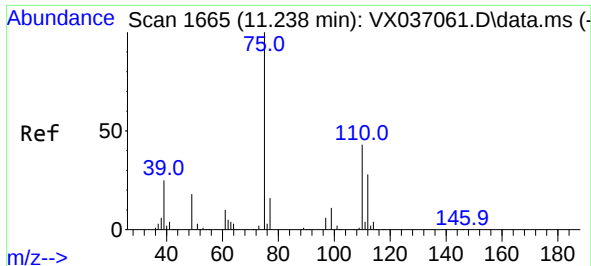


#74
N-ethyl acetate
Concen: 6.711 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.201 min
Lab File: VX037372.D
Acq: 30 Aug 2023 05:59



Tgt Ion: 43 Resp: 19281
Ion Ratio Lower Upper
43 100
70 1.7 32.9 49.3#
55 4.4 19.3 28.9#
61 11.8 18.8 28.2#

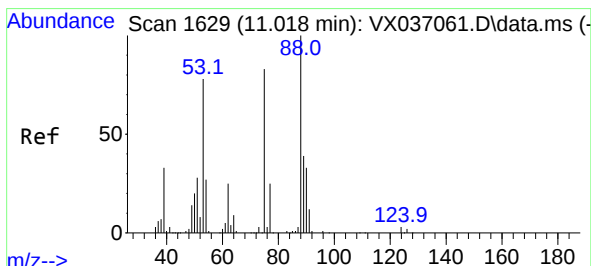
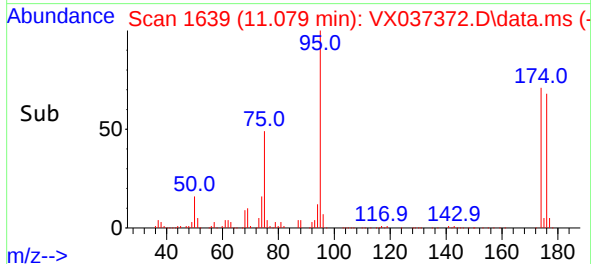
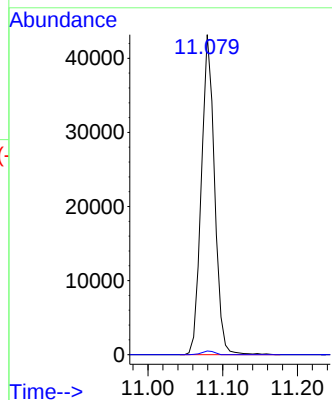
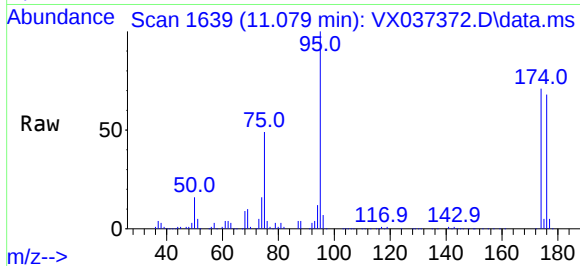




#76
1,2,3-Trichloropropane
Concen: 24.503 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX037372.D
Acq: 30 Aug 2023 05:59

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 53082
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 68.439 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX037372.D
Acq: 30 Aug 2023 05:59

Tgt Ion: 75 Resp: 53082
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#

