

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082923\
 Data File : VX037373.D
 Acq On : 30 Aug 2023 06:23
 Operator : JC/MD
 Sample : 04196-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OR-345-VOC-01

Quant Time: Aug 31 01:27:07 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

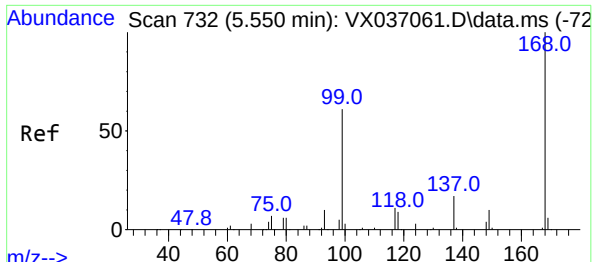
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.550	168	176790	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	310128	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	282127	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	130054	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	119003	46.691	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	93.380%
35) Dibromofluoromethane	5.385	113	100932	49.142	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.280%
50) Toluene-d8	8.647	98	354321	47.558	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	95.120%
62) 4-Bromofluorobenzene	11.079	95	138127	47.177	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	94.360%
Target Compounds						
					Qvalue	
8) Diethyl Ether	2.136	74	1207	0.974	ug/l	89
11) Tert butyl alcohol	2.940	59	2376	3.974	ug/l #	78
16) Acetone	2.380	43	22480	22.546	ug/l	92
18) Methyl Acetate	2.703	43	2619	0.698	ug/l	99
20) Methylene Chloride	2.788	84	17440	7.821	ug/l #	86
25) 2-Butanone	4.568	43	7712	5.137	ug/l #	90
29) Tetrahydrofuran	5.038	42	374	0.391	ug/l #	52
31) Cyclohexane	5.550	56	3211	1.120	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	14184	4.861	ug/l #	51
37) Ethyl Acetate	4.733	43	2794	0.937	ug/l #	88
38) Carbon Tetrachloride	5.550	117	18968	5.984	ug/l #	14
43) Isopropyl Acetate	6.342	43	83186	17.578	ug/l #	91
48) Methyl methacrylate	7.799	41	71994	31.195	ug/l #	46
49) 1,4-Dioxane	7.799	88	73	1.174	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	80071	27.864	ug/l #	37
54) cis-1,3-Dichloropropene	8.549	75	34964	9.759	ug/l #	50
57) 1,3-Dichloropropane	9.482	76	4460	1.175	ug/l #	42
59) 2-Hexanone	9.482	43	49808	22.732	ug/l #	56
76) 1,2,3-Trichloropropane	11.079	75	68185	24.618	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	68185	68.759	ug/l #	5

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

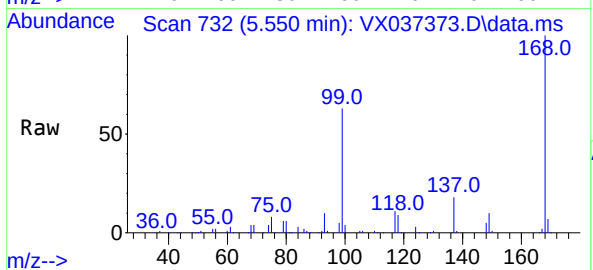
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Quant Title : SW846 8260
QLast Update : Fri Aug 18 09:30:38 2023
Response via : Initial Calibration



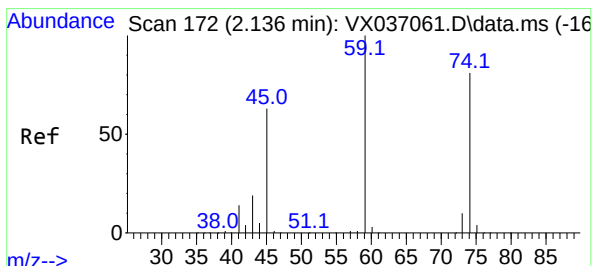
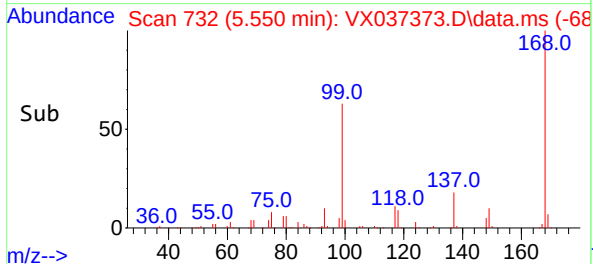
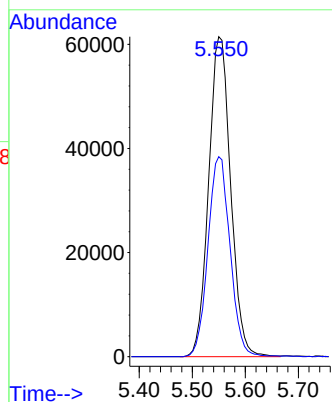


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX037373.D
Acq: 30 Aug 2023 06:23

Instrument :
MSVOA_X
ClientSampleId :
OR-345-VOC-01

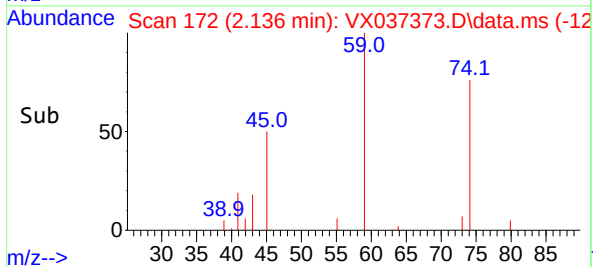
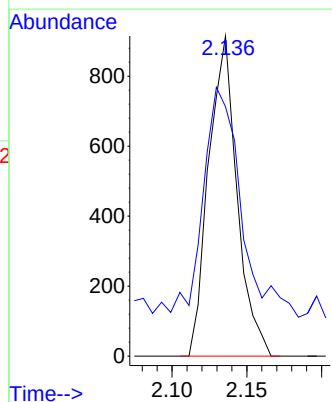
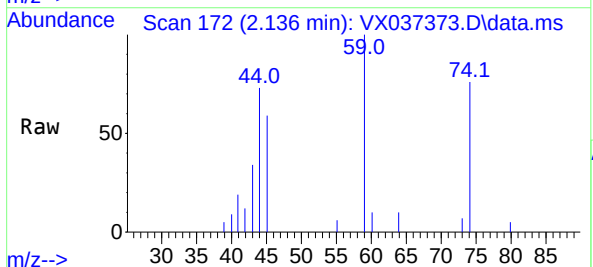


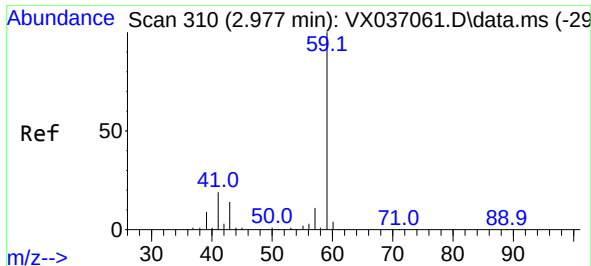
Tgt Ion:168 Resp: 176790
Ion Ratio Lower Upper
168 100
99 62.5 56.6 85.0



#8
Diethyl Ether
Concen: 0.974 ug/l
RT: 2.136 min Scan# 172
Delta R.T. -0.000 min
Lab File: VX037373.D
Acq: 30 Aug 2023 06:23

Tgt Ion: 74 Resp: 1207
Ion Ratio Lower Upper
74 100
45 94.9 53.3 159.8

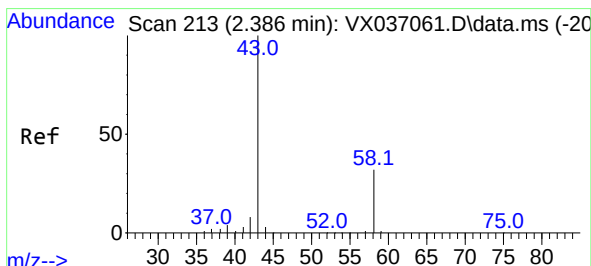
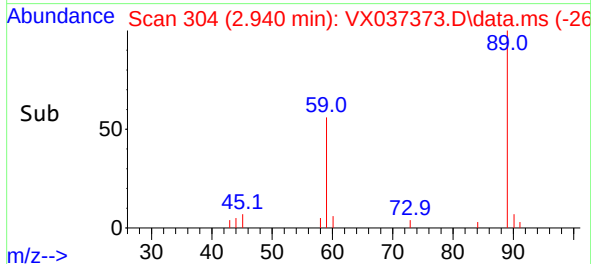
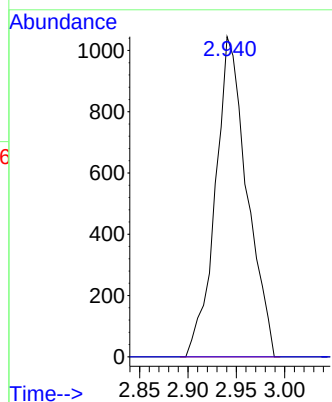
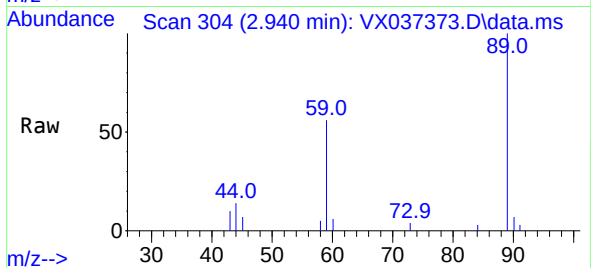




#11
Tert butyl alcohol
Concen: 3.974 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.037 min
Lab File: VX037373.D
Acq: 30 Aug 2023 06:23

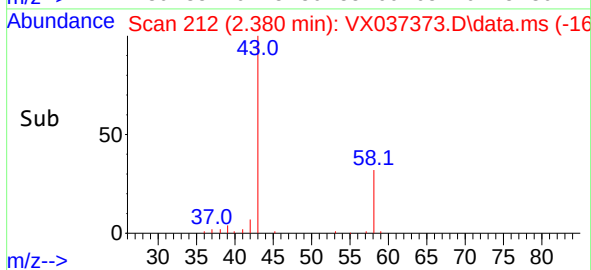
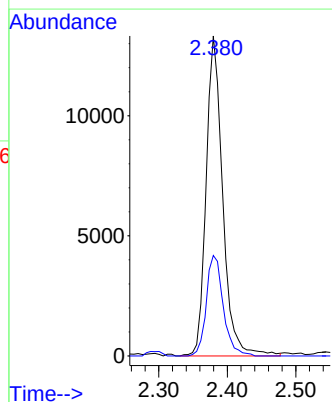
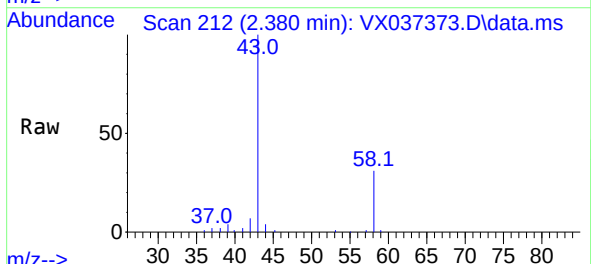
Instrument :
MSVOA_X
ClientSampleId :
OR-345-VOC-01

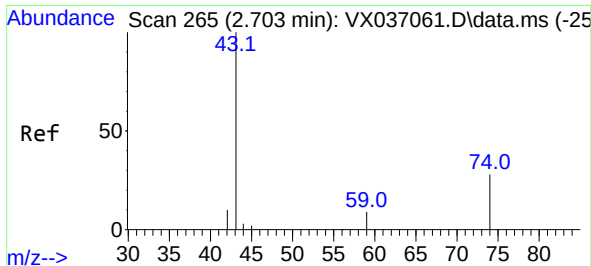
Tgt Ion: 59 Resp: 2376
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



#16
Acetone
Concen: 22.546 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX037373.D
Acq: 30 Aug 2023 06:23

Tgt Ion: 43 Resp: 22480
Ion Ratio Lower Upper
43 100
58 31.4 21.9 32.9

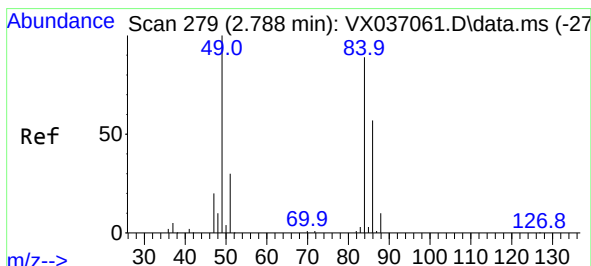
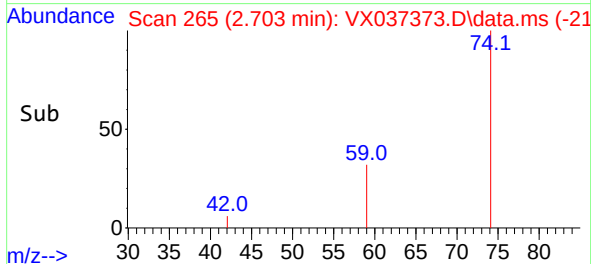
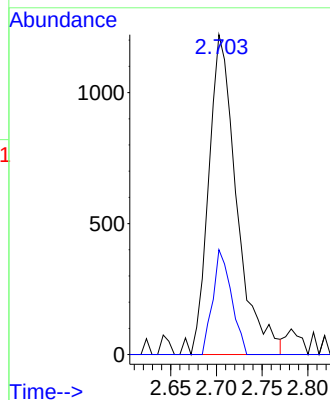
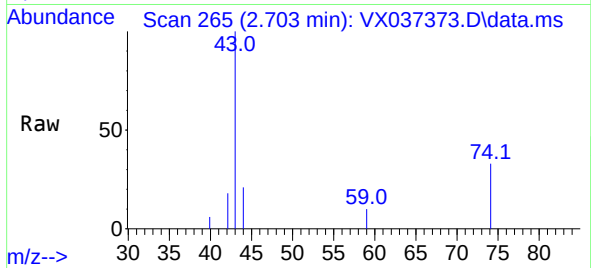




#18
Methyl Acetate
Concen: 0.698 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX037373.D
Acq: 30 Aug 2023 06:23

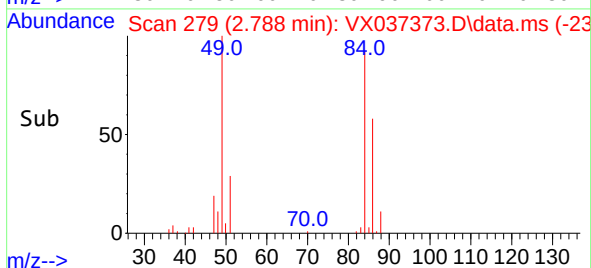
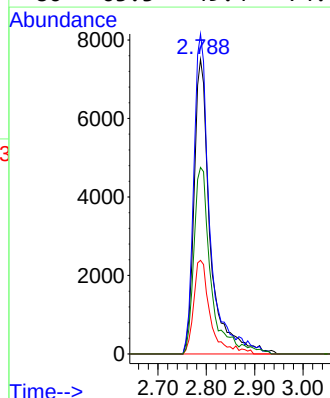
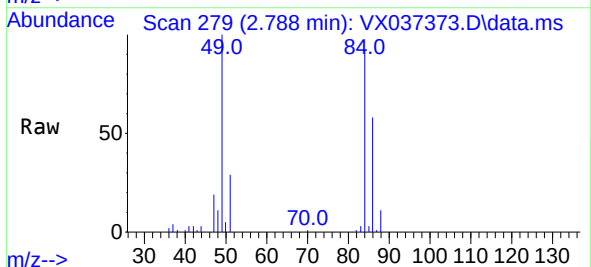
Instrument :
MSVOA_X
ClientSampleId :
OR-345-VOC-01

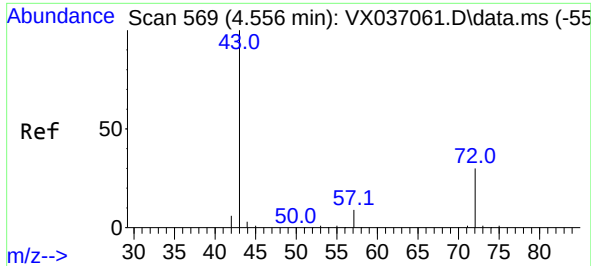
Tgt Ion: 43 Resp: 2619
Ion Ratio Lower Upper
43 100
74 21.6 17.8 26.8



#20
Methylene Chloride
Concen: 7.821 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX037373.D
Acq: 30 Aug 2023 06:23

Tgt Ion: 84 Resp: 17440
Ion Ratio Lower Upper
84 100
49 108.6 103.6 155.4
51 31.7 33.8 50.6#
86 63.3 49.4 74.0





#25

2-Butanone

Concen: 5.137 ug/l

RT: 4.568 min Scan# 5

Delta R.T. 0.012 min

Lab File: VX037373.D

Acq: 30 Aug 2023 06:23

Instrument :

MSVOA_X

ClientSampleId :

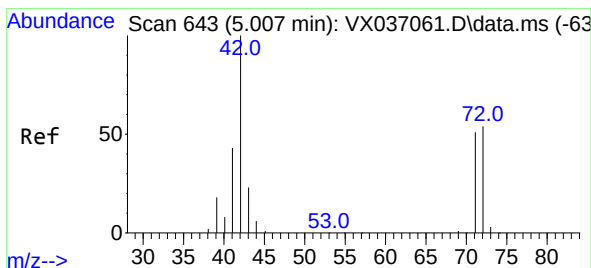
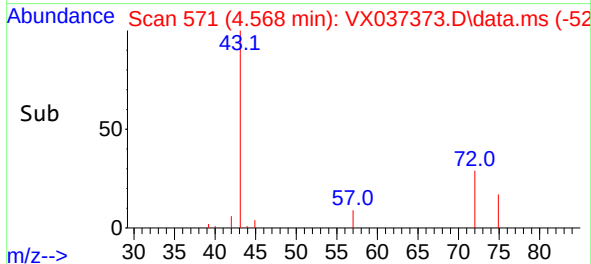
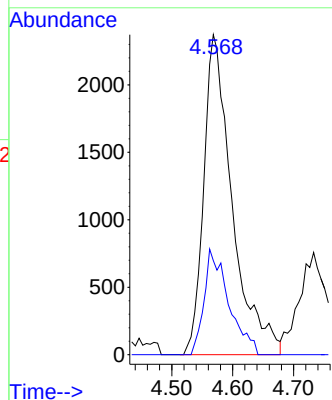
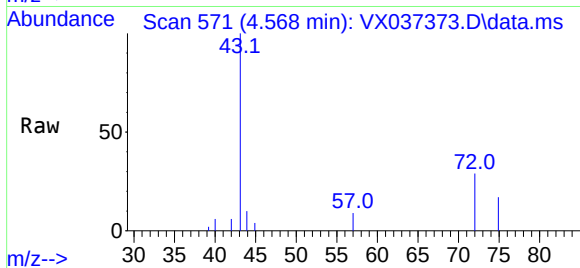
OR-345-VOC-01

Tgt Ion: 43 Resp: 7712

Ion Ratio Lower Upper

43 100

72 29.4 19.4 29.2#



#29

Tetrahydrofuran

Concen: 0.391 ug/l

RT: 5.038 min Scan# 648

Delta R.T. 0.030 min

Lab File: VX037373.D

Acq: 30 Aug 2023 06:23

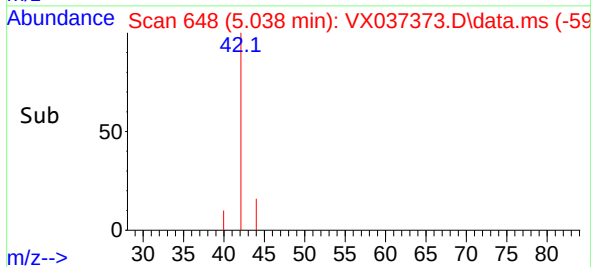
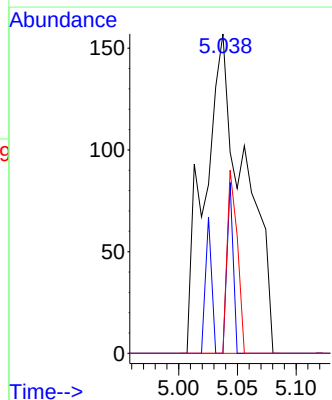
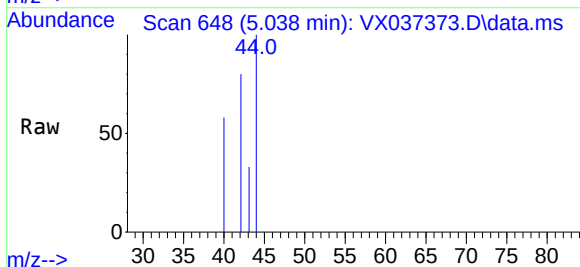
Tgt Ion: 42 Resp: 374

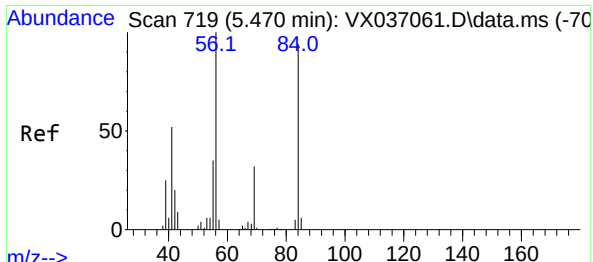
Ion Ratio Lower Upper

42 100

72 8.3 34.2 51.4#

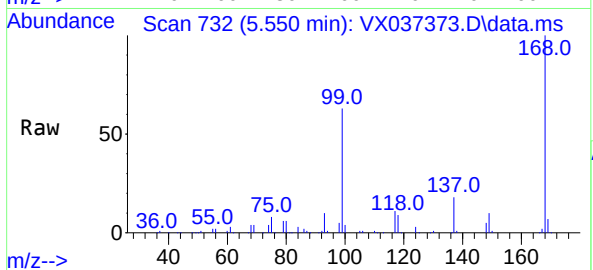
71 14.4 32.2 48.2#



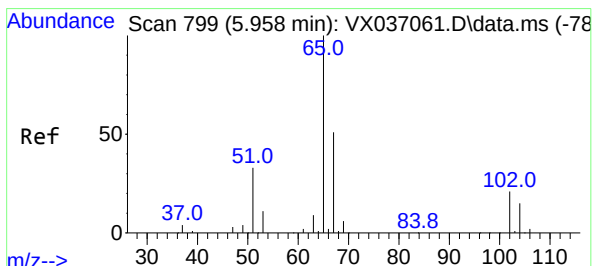
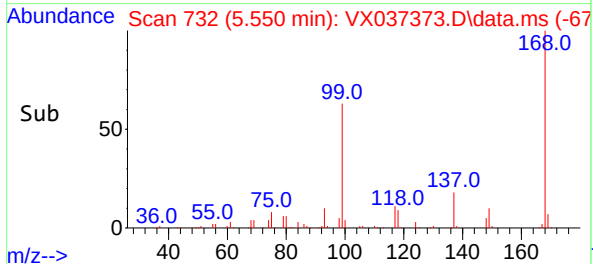
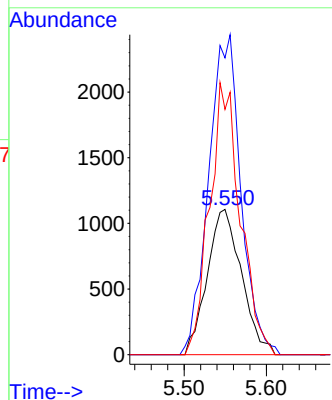


#31
Cyclohexane
Concen: 1.120 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX037373.D
Acq: 30 Aug 2023 06:23

Instrument :
MSVOA_X
ClientSampleId :
OR-345-VOC-01

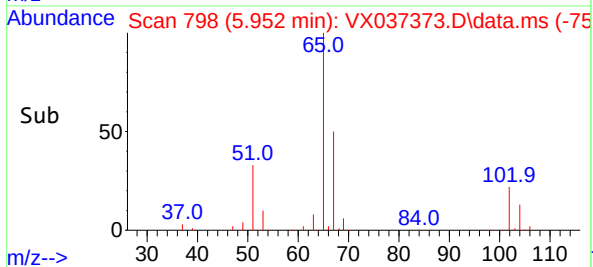
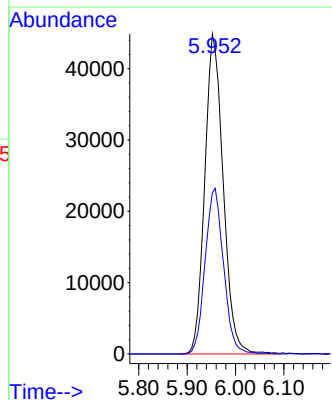
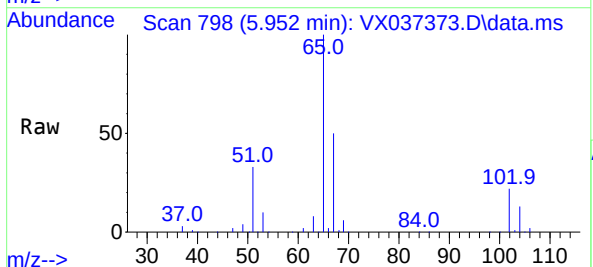


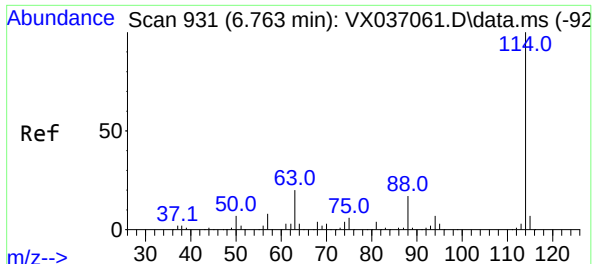
Tgt Ion: 56 Resp: 3211
Ion Ratio Lower Upper
56 100
69 204.3 23.4 35.2#
84 168.9 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 46.691 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX037373.D
Acq: 30 Aug 2023 06:23

Tgt Ion: 65 Resp: 119003
Ion Ratio Lower Upper
65 100
67 51.6 0.0 100.2

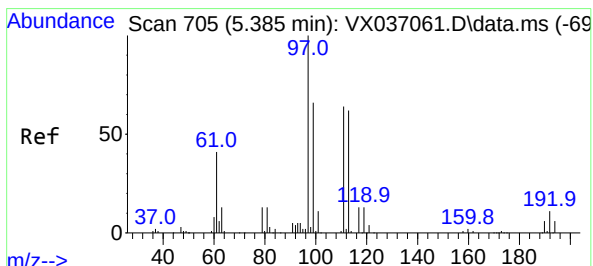
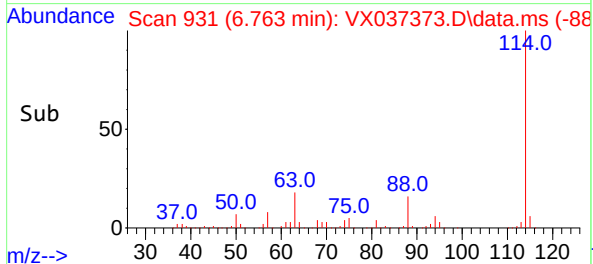
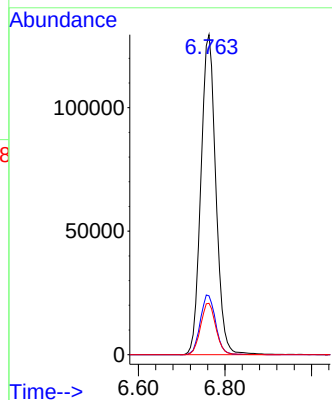
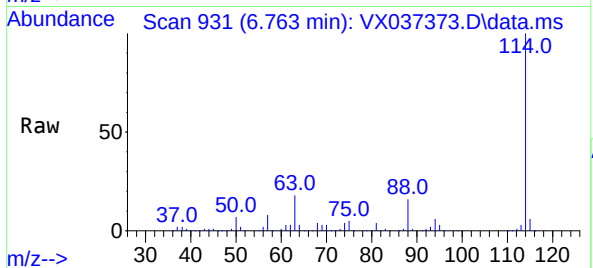




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX037373.D
Acq: 30 Aug 2023 06:23

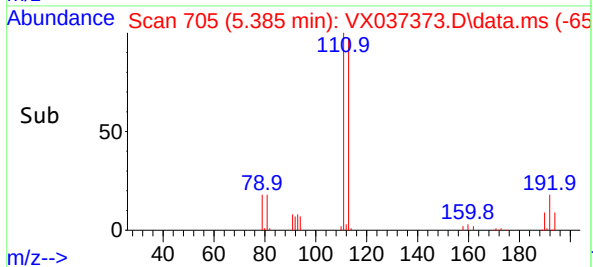
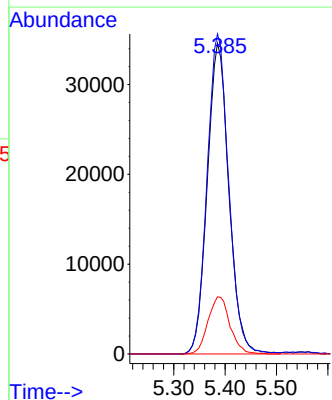
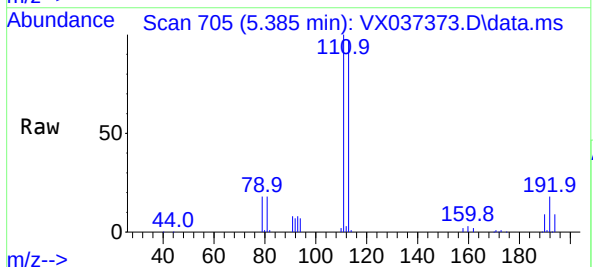
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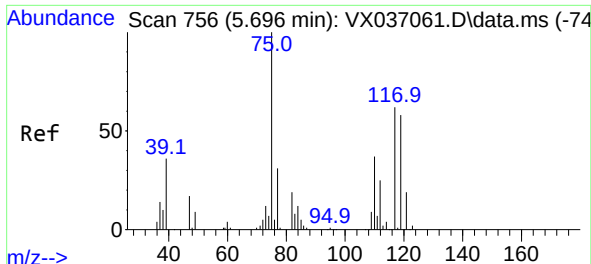
Tgt Ion:114 Resp: 310128
Ion Ratio Lower Upper
114 100
63 18.4 0.0 45.0
88 16.1 0.0 36.6



#35
Dibromofluoromethane
Concen: 49.142 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX037373.D
Acq: 30 Aug 2023 06:23

Tgt Ion:113 Resp: 100932
Ion Ratio Lower Upper
113 100
111 103.1 82.9 124.3
192 18.7 13.3 19.9

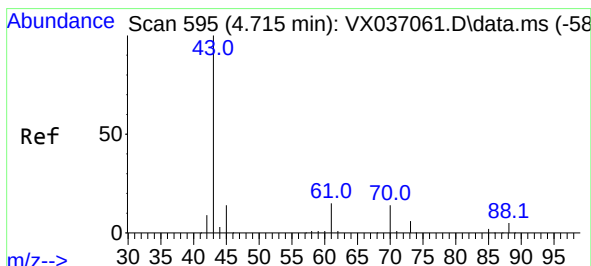
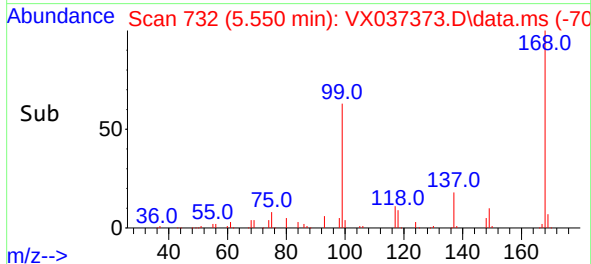
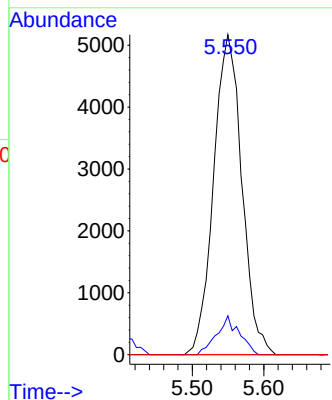
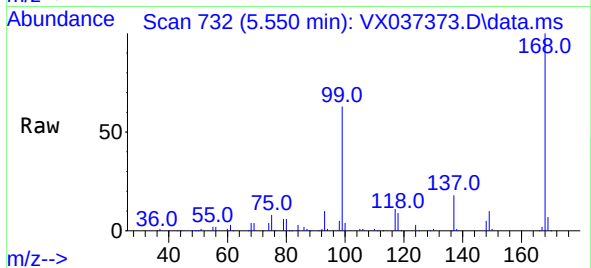




#36
1,1-Dichloropropene
Concen: 4.861 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX037373.D
Acq: 30 Aug 2023 06:23

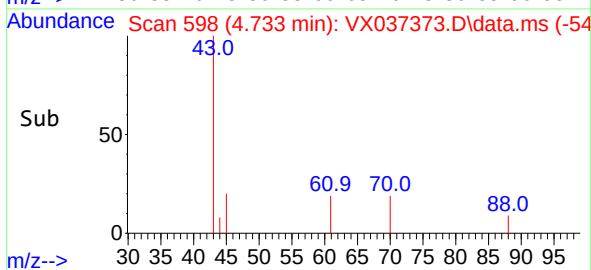
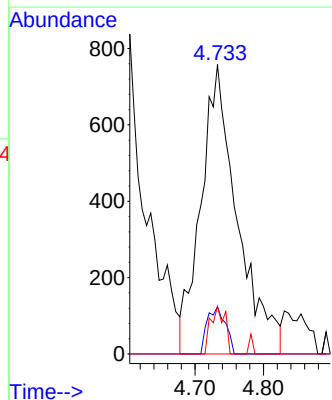
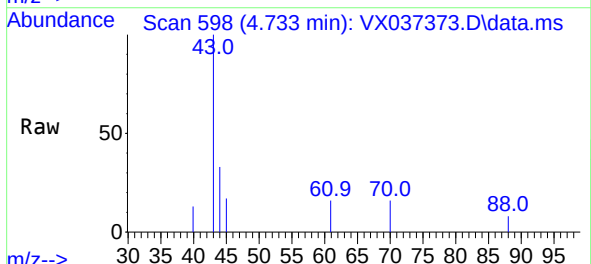
Instrument :
MSVOA_X
ClientSampleId :
OR-345-VOC-01

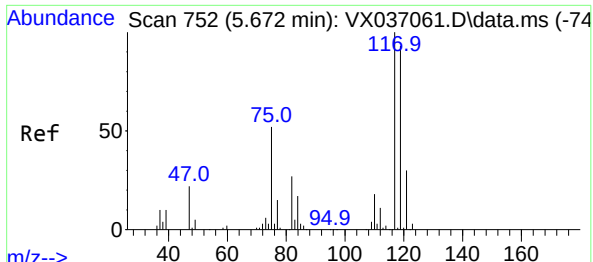
Tgt Ion: 75 Resp: 14184
Ion Ratio Lower Upper
75 100
110 9.7 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 0.937 ug/l
RT: 4.733 min Scan# 598
Delta R.T. 0.018 min
Lab File: VX037373.D
Acq: 30 Aug 2023 06:23

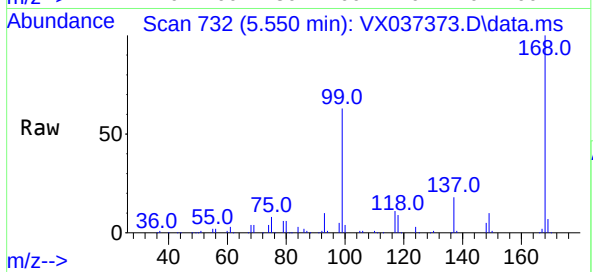
Tgt Ion: 43 Resp: 2794
Ion Ratio Lower Upper
43 100
61 8.2 10.6 16.0#
70 6.5 8.3 12.5#



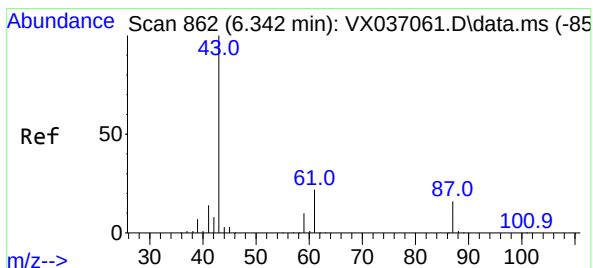
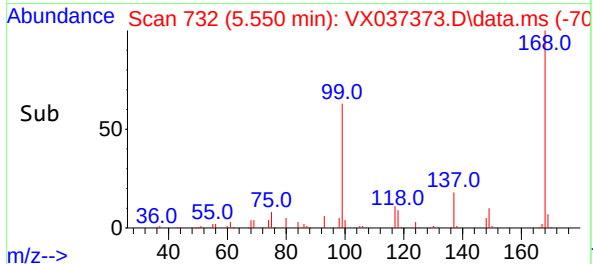
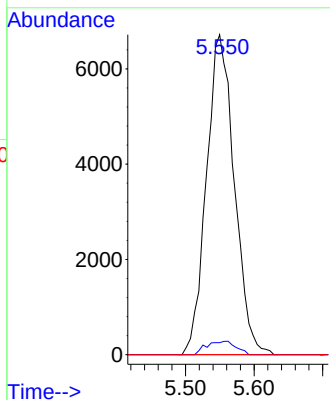


#38
Carbon Tetrachloride
Concen: 5.984 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX037373.D
Acq: 30 Aug 2023 06:23

Instrument :
MSVOA_X
ClientSampleId :
OR-345-VOC-01

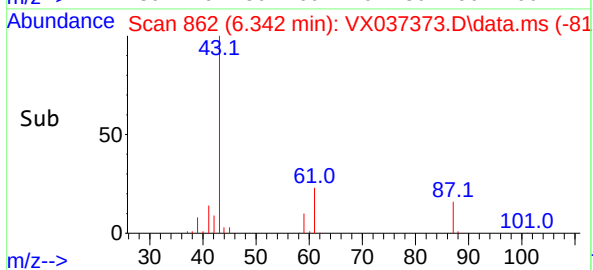
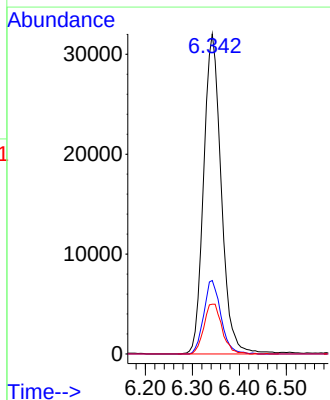
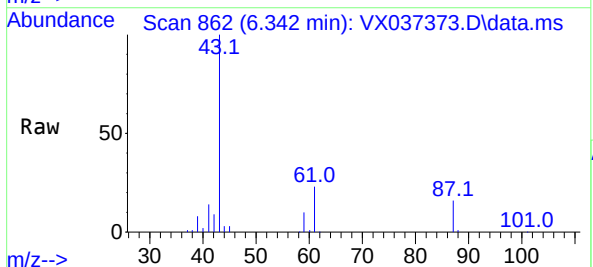


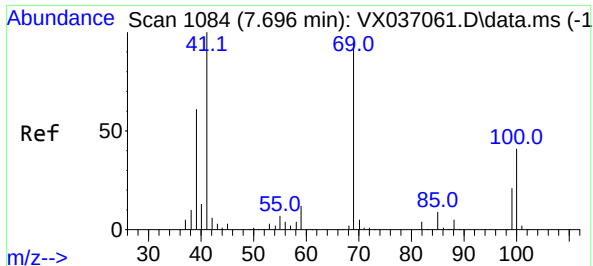
Tgt Ion:117 Resp: 18968
Ion Ratio Lower Upper
117 100
119 3.7 78.2 117.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 17.578 ug/l
RT: 6.342 min Scan# 862
Delta R.T. -0.000 min
Lab File: VX037373.D
Acq: 30 Aug 2023 06:23

Tgt Ion: 43 Resp: 83186
Ion Ratio Lower Upper
43 100
61 22.5 15.2 22.8
87 16.0 9.8 14.6#

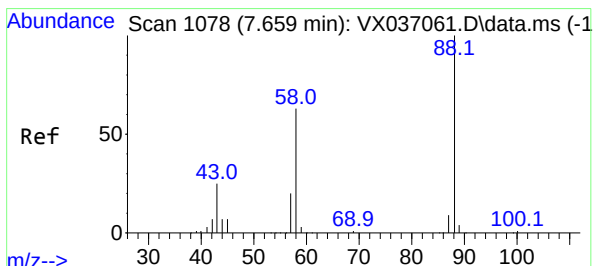
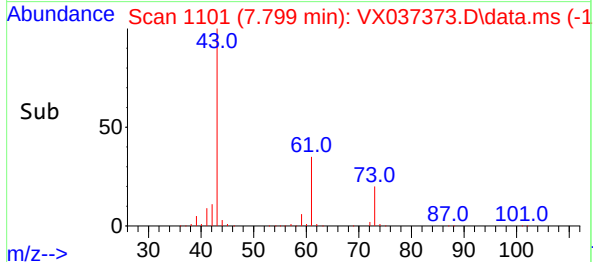
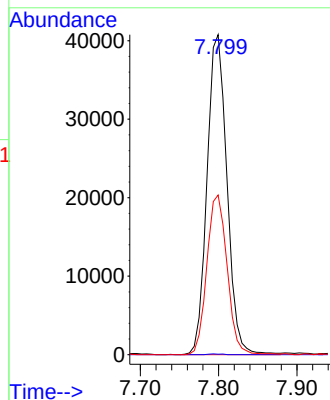
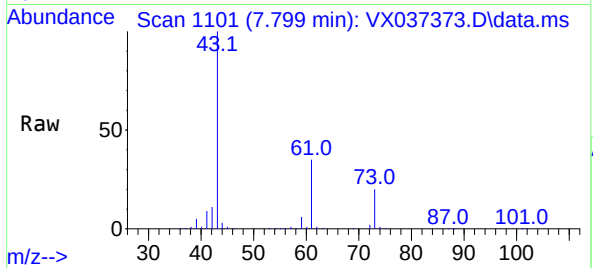




#48
Methyl methacrylate
Concen: 31.195 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX037373.D
Acq: 30 Aug 2023 06:23

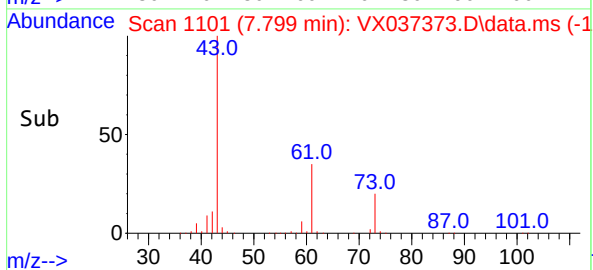
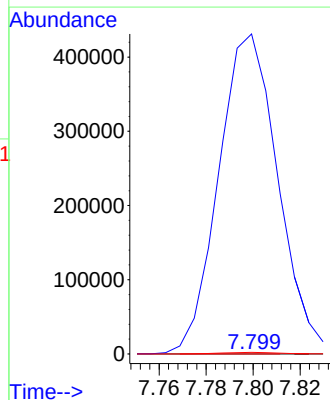
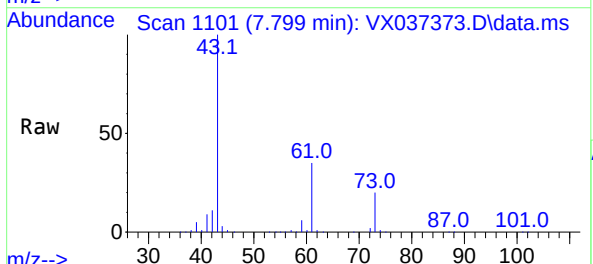
Instrument :
MSVOA_X
ClientSampleId :
OR-345-VOC-01

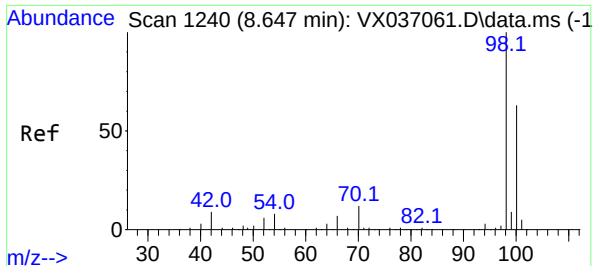
Tgt Ion: 41 Resp: 71994
Ion Ratio Lower Upper
41 100
69 0.2 59.2 88.8#
39 50.8 47.7 71.5



#49
1,4-Dioxane
Concen: 1.174 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.140 min
Lab File: VX037373.D
Acq: 30 Aug 2023 06:23

Tgt Ion: 88 Resp: 73
Ion Ratio Lower Upper
88 100
43 1048109.6 0.0 0.0#
58 4983.6 60.1 90.1#

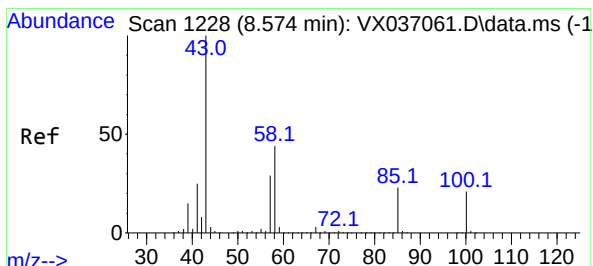
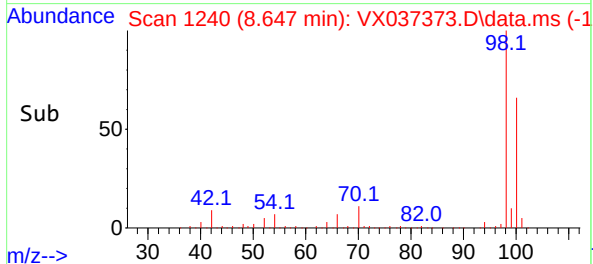
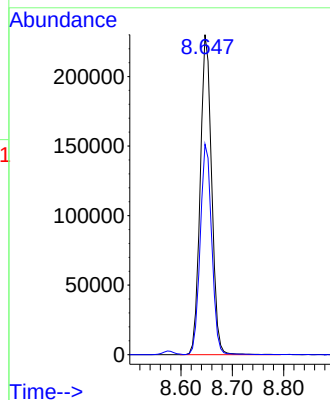
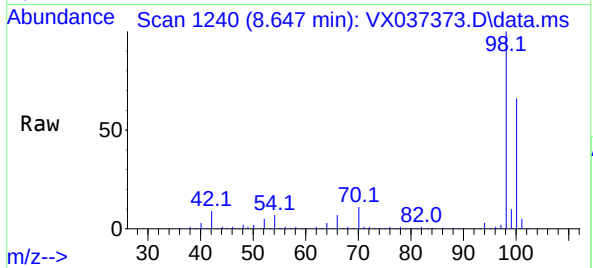




#50
Toluene-d8
Concen: 47.558 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX037373.D
Acq: 30 Aug 2023 06:23

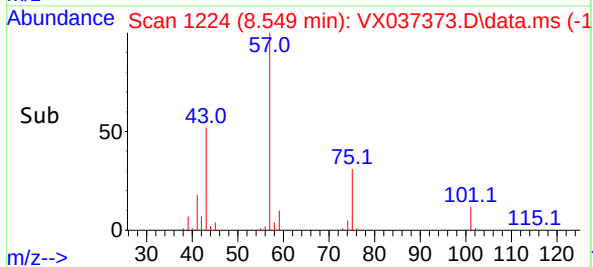
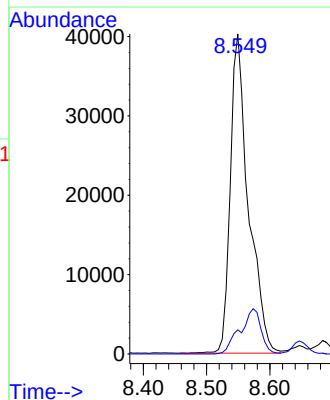
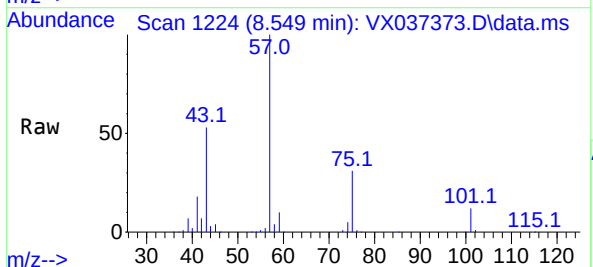
Instrument :
MSVOA_X
ClientSampleId :
OR-345-VOC-01

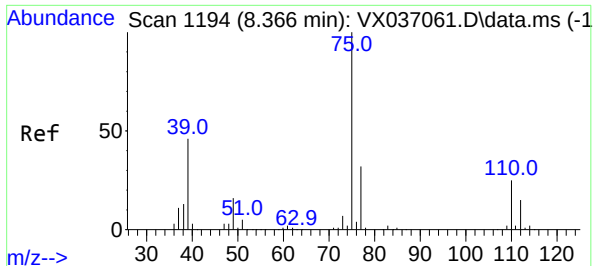
Tgt Ion: 98 Resp: 354321
Ion Ratio Lower Upper
98 100
100 66.3 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 27.864 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX037373.D
Acq: 30 Aug 2023 06:23

Tgt Ion: 43 Resp: 80071
Ion Ratio Lower Upper
43 100
58 0.0 30.4 45.6#

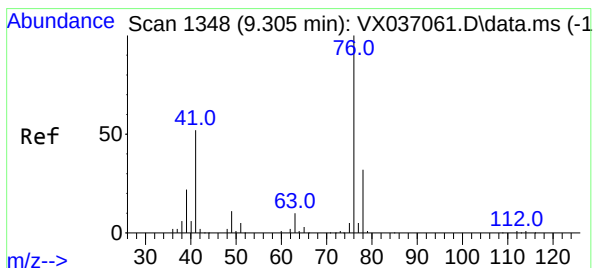
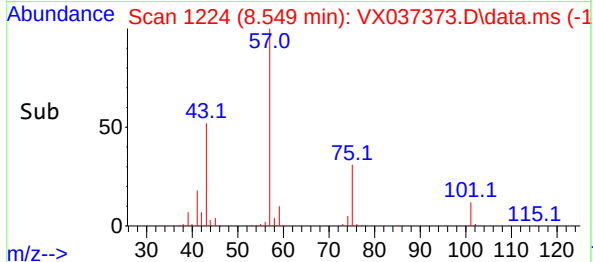
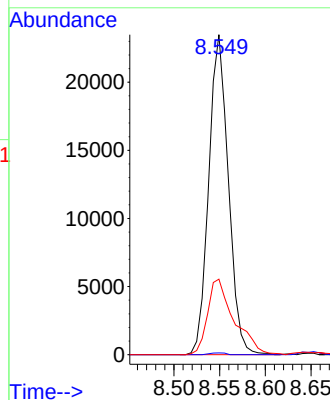
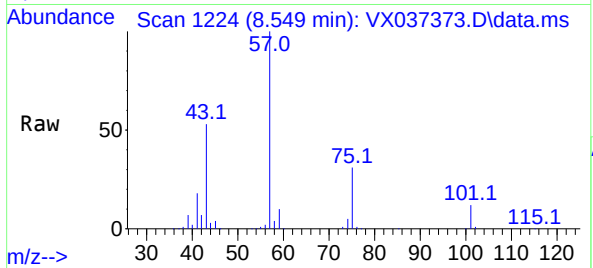




#54
 cis-1,3-Dichloropropene
 Concen: 9.759 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX037373.D
 Acq: 30 Aug 2023 06:23

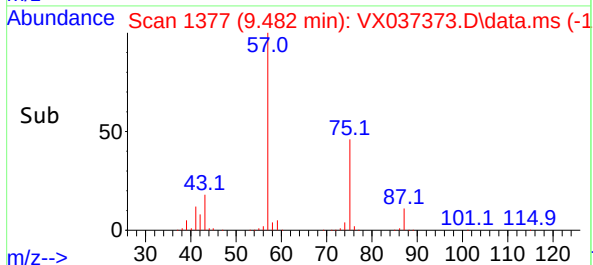
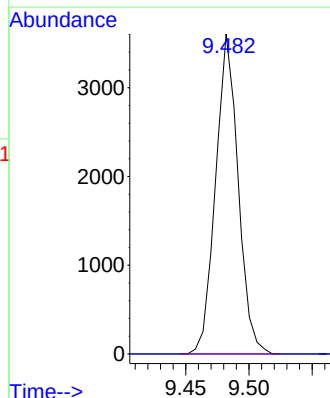
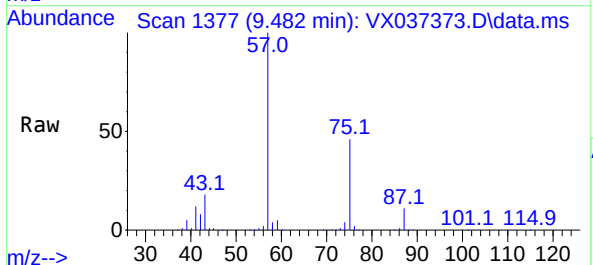
Instrument :
 MSVOA_X
 ClientSampleId :
 OR-345-VOC-01

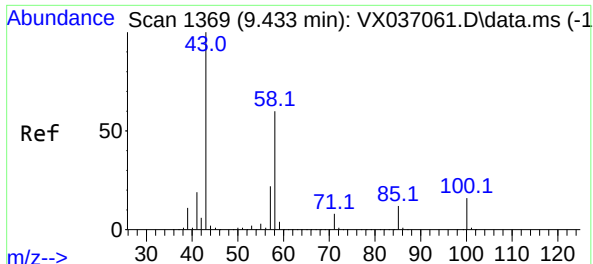
Tgt Ion: 75 Resp: 34964
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.3 37.9#
 39 23.6 46.7 70.1#



#57
 1,3-Dichloropropane
 Concen: 1.175 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX037373.D
 Acq: 30 Aug 2023 06:23

Tgt Ion: 76 Resp: 4460
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.1 39.1#

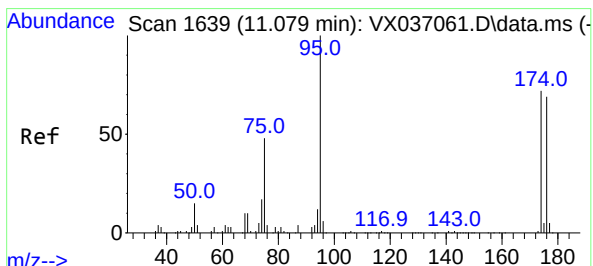
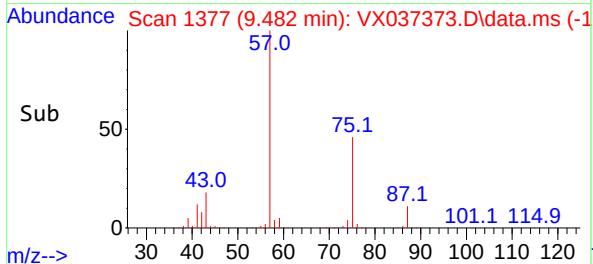
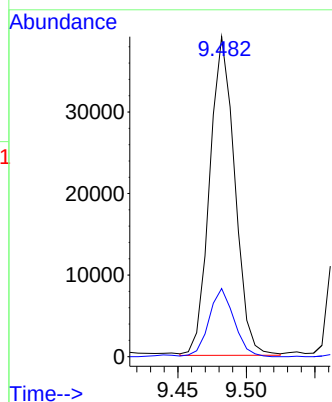
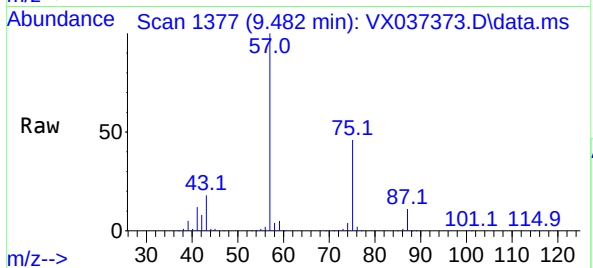




#59
2-Hexanone
Concen: 22.732 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.049 min
Lab File: VX037373.D
Acq: 30 Aug 2023 06:23

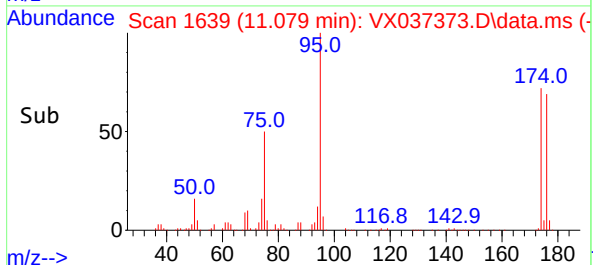
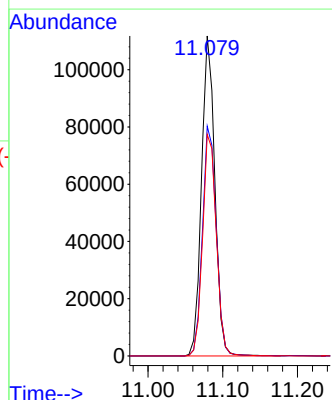
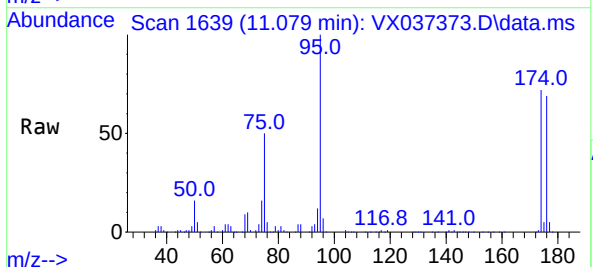
Instrument :
MSVOA_X
ClientSampleId :
OR-345-VOC-01

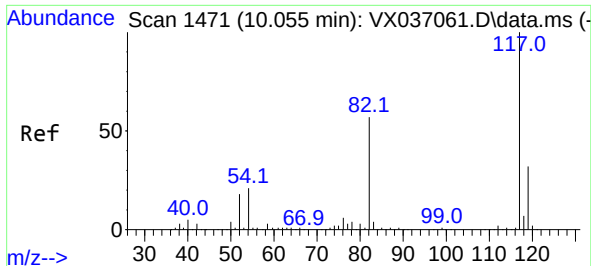
Tgt Ion: 43 Resp: 49808
Ion Ratio Lower Upper
43 100
58 21.3 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 47.177 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX037373.D
Acq: 30 Aug 2023 06:23

Tgt Ion: 95 Resp: 138127
Ion Ratio Lower Upper
95 100
174 74.3 0.0 135.6
176 71.4 0.0 131.0

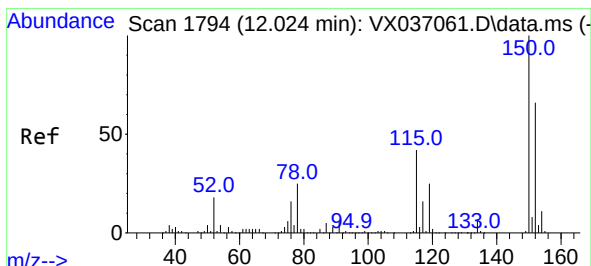
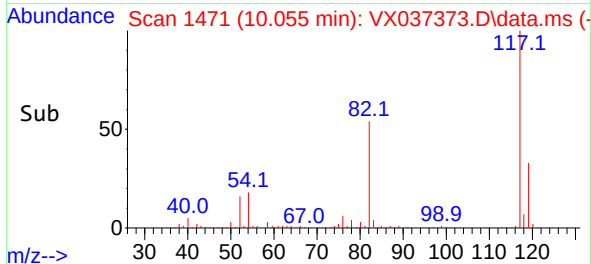
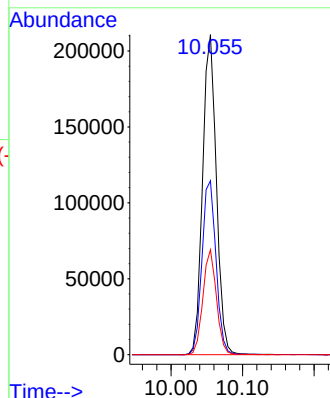
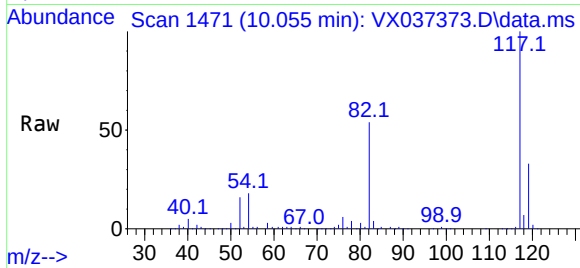




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX037373.D
Acq: 30 Aug 2023 06:23

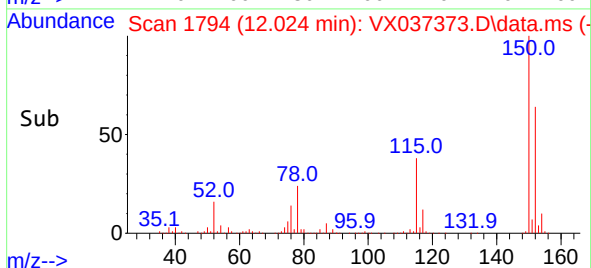
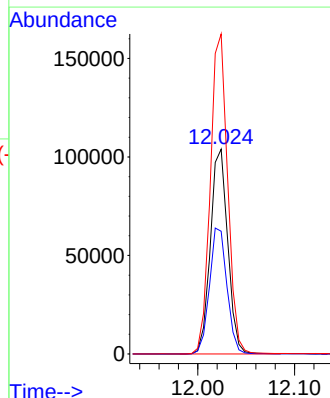
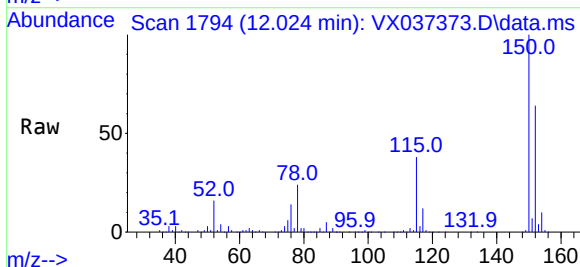
Instrument :
MSVOA_X
ClientSampleId :
OR-345-VOC-01

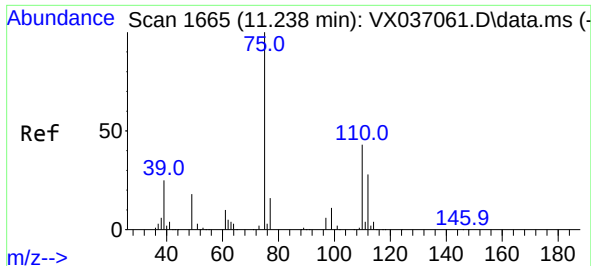
Tgt Ion:117 Resp: 282127
Ion Ratio Lower Upper
117 100
82 54.3 46.2 69.4
119 32.8 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX037373.D
Acq: 30 Aug 2023 06:23

Tgt Ion:152 Resp: 130054
Ion Ratio Lower Upper
152 100
115 62.1 43.3 129.9
150 155.9 0.0 345.0

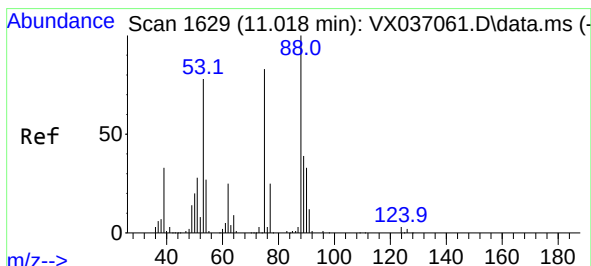
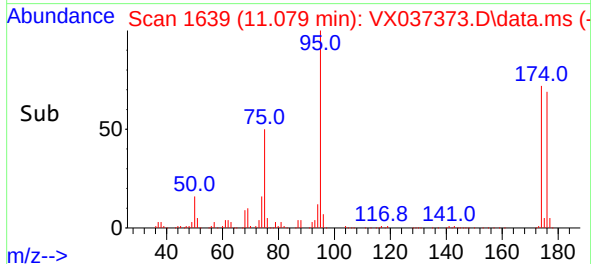
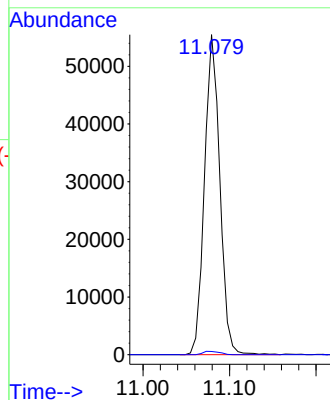
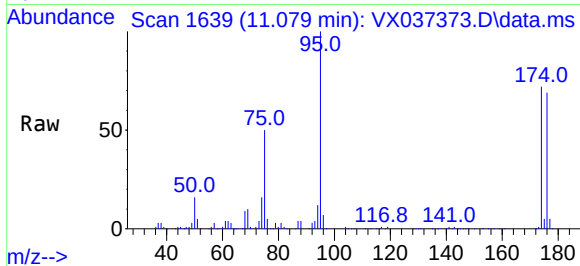




#76
1,2,3-Trichloropropane
Concen: 24.618 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX037373.D
Acq: 30 Aug 2023 06:23

Instrument :
MSVOA_X
ClientSampleId :
OR-345-VOC-01

Tgt Ion: 75 Resp: 68185
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 68.759 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX037373.D
Acq: 30 Aug 2023 06:23

Tgt Ion: 75 Resp: 68185
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#

