

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082923\
 Data File : VX037369.D
 Acq On : 30 Aug 2023 04:46
 Operator : JC/MD
 Sample : 04197-25
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OR-309-OK-370-VOC-23

Quant Time: Aug 31 01:26:07 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

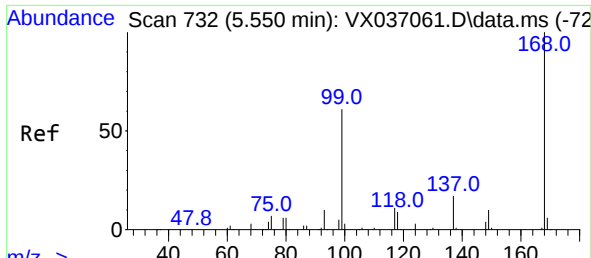
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.550	168	147936	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	246680	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	223871	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	97719	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	91773	43.030	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	86.060%		
35) Dibromofluoromethane	5.385	113	75587	46.267	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.540%		
50) Toluene-d8	8.647	98	291552	49.198	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.400%		
62) 4-Bromofluorobenzene	11.079	95	106727	45.828	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	91.660%		
Target Compounds					Qvalue	
5) Bromomethane	1.593	94	189	0.232	ug/l #	3
8) Diethyl Ether	2.136	74	1209	1.166	ug/l	98
11) Tert butyl alcohol	2.965	59	443	0.885	ug/l #	78
13) Acrolein	2.258	56	95	0.250	ug/l #	14
16) Acetone	2.380	43	22422	26.873	ug/l	90
18) Methyl Acetate	2.703	43	2560	0.815	ug/l	96
20) Methylene Chloride	2.788	84	18197	9.753	ug/l #	84
25) 2-Butanone	4.568	43	7872	6.266	ug/l #	83
29) Tetrahydrofuran	5.038	42	441	0.550	ug/l #	50
31) Cyclohexane	5.550	56	2815	1.174	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	11676	5.030	ug/l #	51
37) Ethyl Acetate	4.733	43	2522	1.064	ug/l #	87
38) Carbon Tetrachloride	5.550	117	15572	6.176	ug/l #	15
43) Isopropyl Acetate	6.342	43	87239	23.176	ug/l #	91
48) Methyl methacrylate	7.799	41	76321	41.576	ug/l #	46
49) 1,4-Dioxane	7.805	88	158	3.196	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	83347	36.464	ug/l #	37
53) t-1,3-Dichloropropene	8.958	75	659	0.250	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	36346	12.754	ug/l #	50
56) Ethyl methacrylate	9.238	69	629	0.224	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	4930	1.633	ug/l #	42
59) 2-Hexanone	9.482	43	55841	32.041	ug/l #	56
74) N-amyl acetate	10.890	43	718	0.260	ug/l #	44
76) 1,2,3-Trichloropropane	11.079	75	52891	25.415	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	52891	70.985	ug/l #	5

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

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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

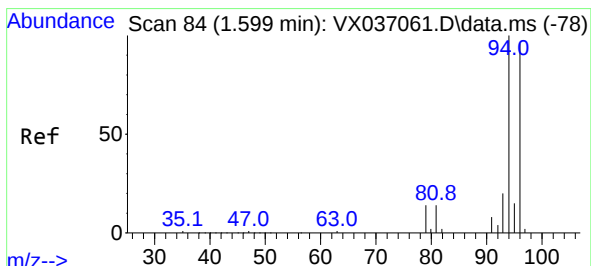
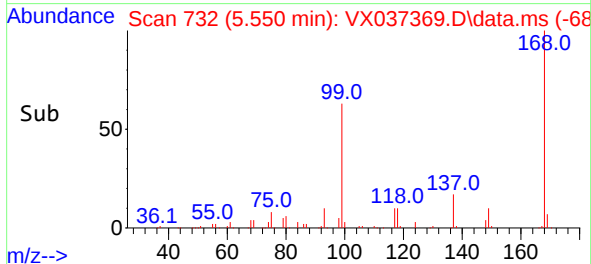
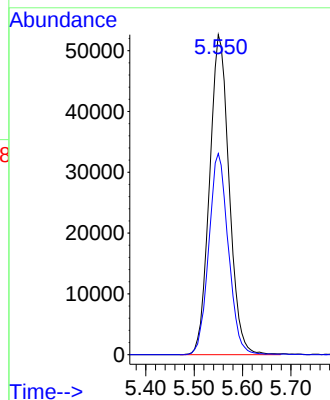
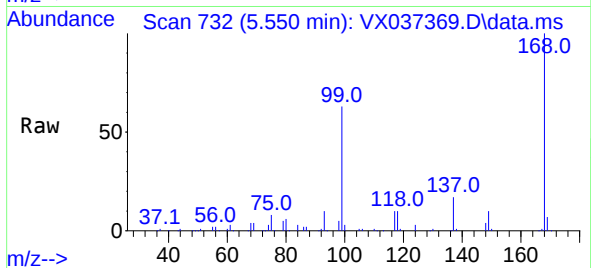




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX037369.D
Acq: 30 Aug 2023 04:46

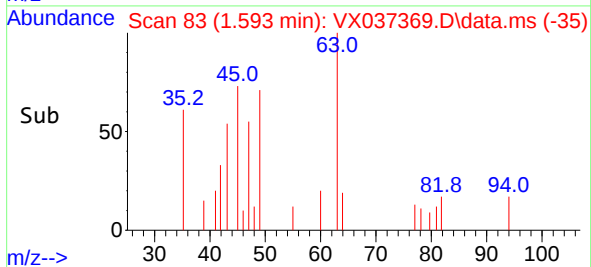
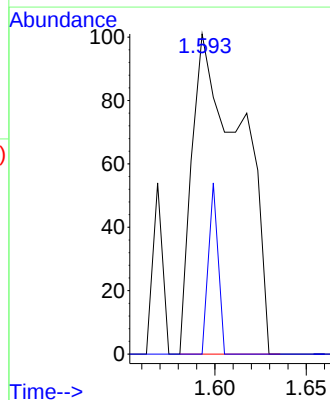
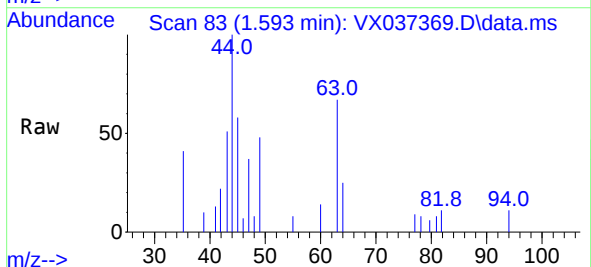
Instrument :
MSVOA_X
ClientSampleId :
OR-309-OK-370-VOC-23

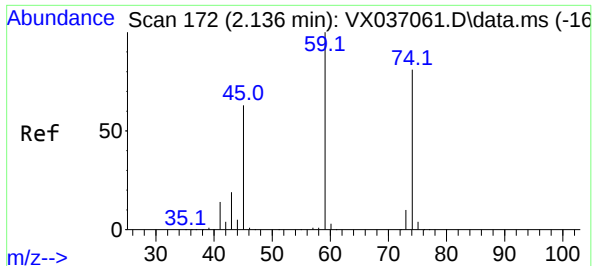
Tgt Ion:168 Resp: 147936
Ion Ratio Lower Upper
168 100
99 62.8 56.6 85.0



#5
Bromomethane
Concen: 0.232 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.006 min
Lab File: VX037369.D
Acq: 30 Aug 2023 04:46

Tgt Ion: 94 Resp: 189
Ion Ratio Lower Upper
94 100
96 0.0 74.6 111.8#

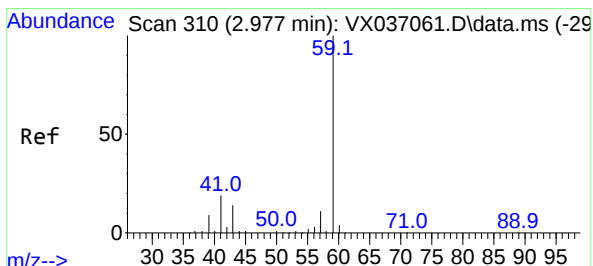
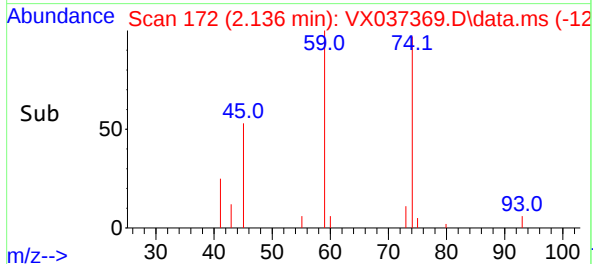
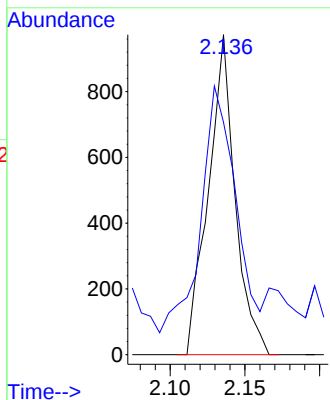
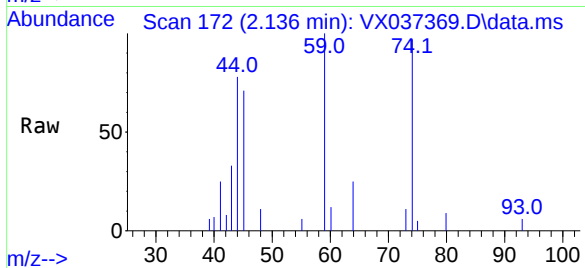




#8
Diethyl Ether
Concen: 1.166 ug/l
RT: 2.136 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX037369.D
Acq: 30 Aug 2023 04:46

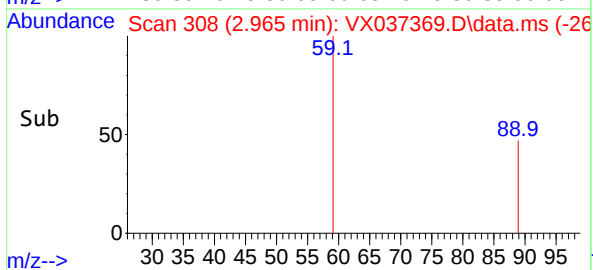
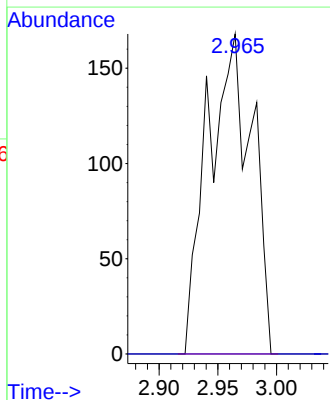
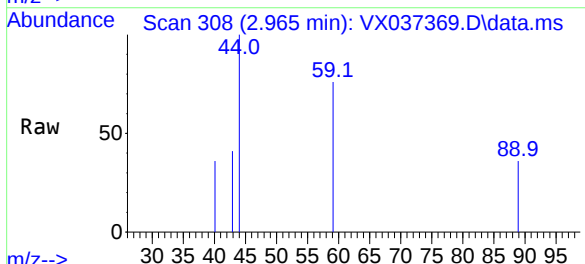
Instrument :
MSVOA_X
ClientSampleId :
OR-309-OK-370-VOC-23

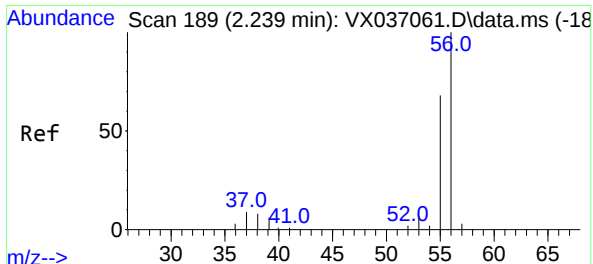
Tgt Ion: 74 Resp: 1209
Ion Ratio Lower Upper
74 100
45 104.5 53.3 159.8



#11
Tert butyl alcohol
Concen: 0.885 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.012 min
Lab File: VX037369.D
Acq: 30 Aug 2023 04:46

Tgt Ion: 59 Resp: 443
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

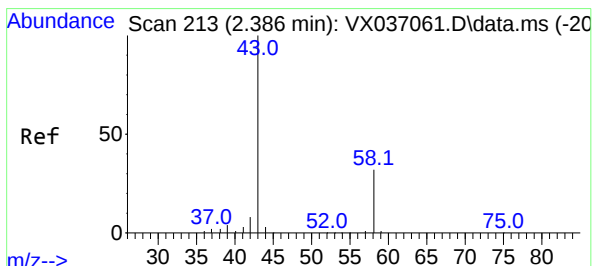
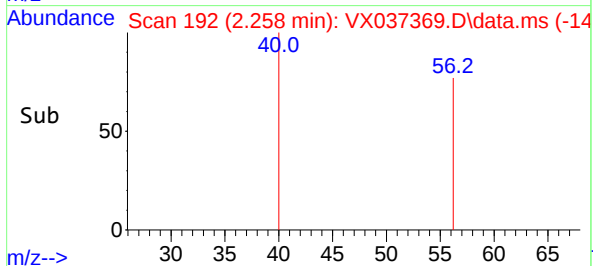
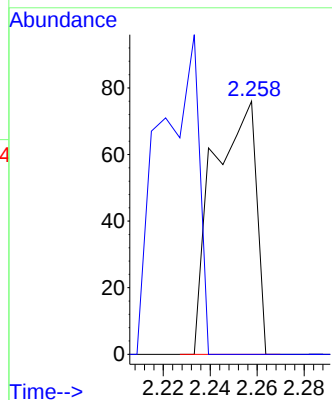
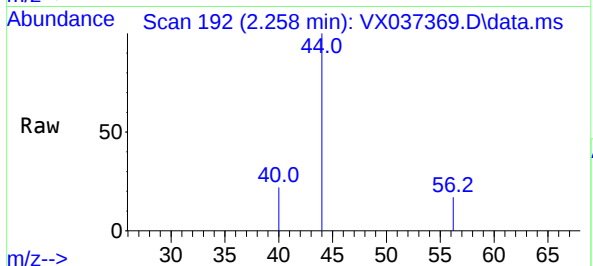




#13
Acrolein
Concen: 0.250 ug/l
RT: 2.258 min Scan# 192
Delta R.T. 0.018 min
Lab File: VX037369.D
Acq: 30 Aug 2023 04:46

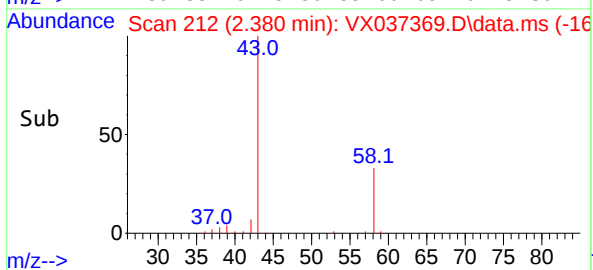
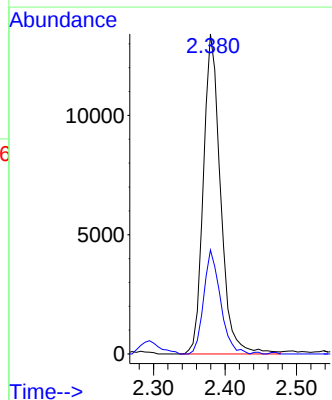
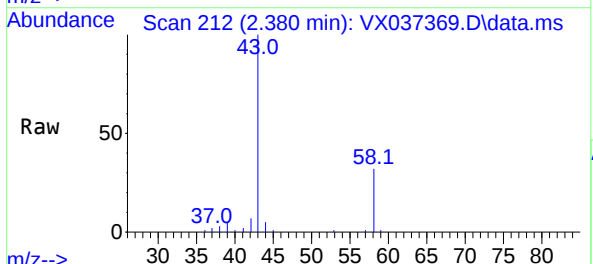
Instrument :
MSVOA_X
ClientSampleId :
OR-309-OK-370-VOC-23

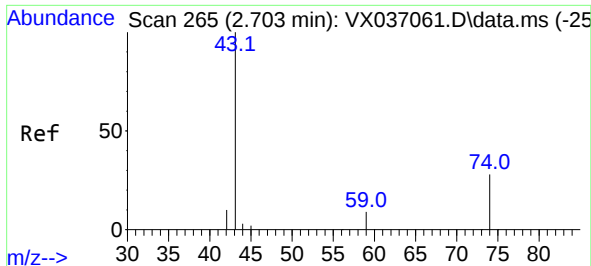
Tgt Ion: 56 Resp: 95
Ion Ratio Lower Upper
56 100
55 0.0 57.1 85.7#



#16
Acetone
Concen: 26.873 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX037369.D
Acq: 30 Aug 2023 04:46

Tgt Ion: 43 Resp: 22422
Ion Ratio Lower Upper
43 100
58 32.5 21.9 32.9

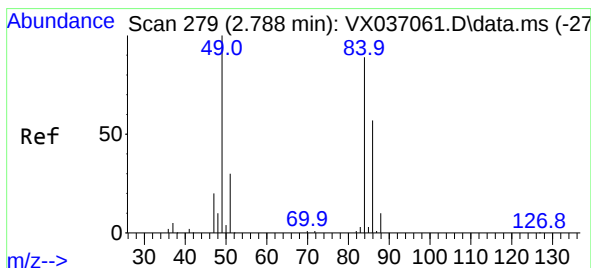
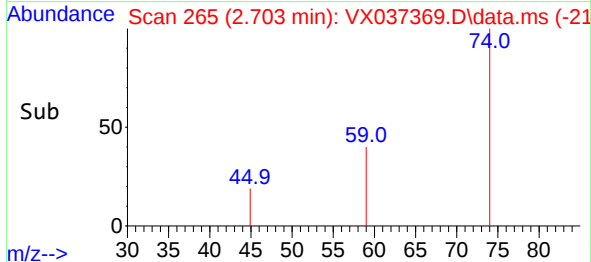
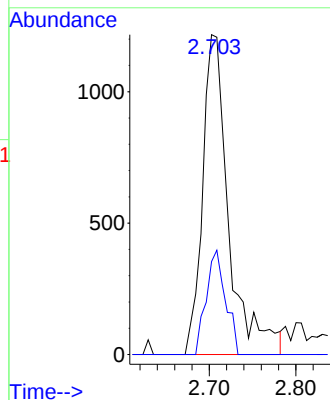
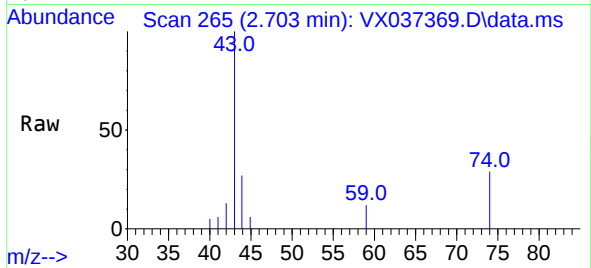




#18
Methyl Acetate
Concen: 0.815 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX037369.D
Acq: 30 Aug 2023 04:46

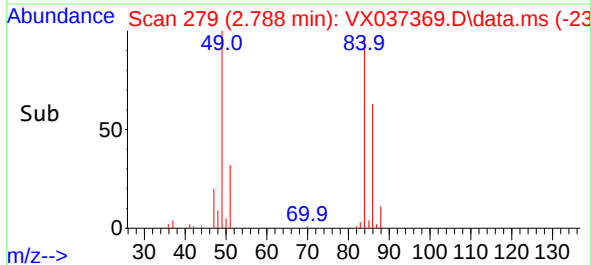
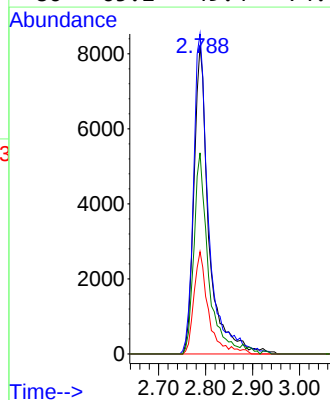
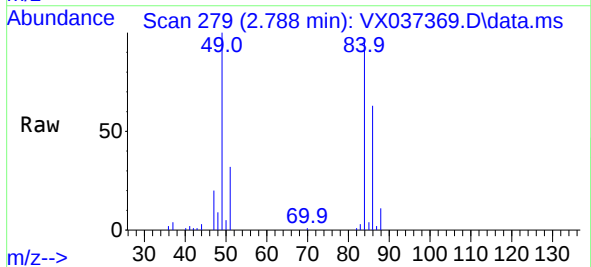
Instrument :
MSVOA_X
ClientSampleId :
OR-309-OK-370-VOC-23

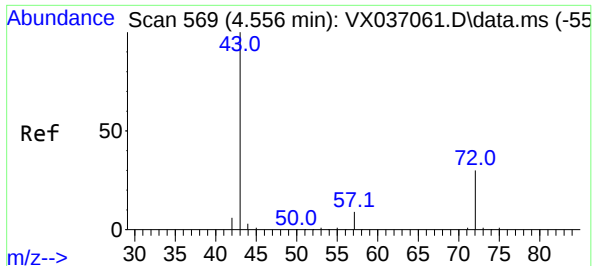
Tgt Ion: 43 Resp: 2560
Ion Ratio Lower Upper
43 100
74 24.0 17.8 26.8



#20
Methylene Chloride
Concen: 9.753 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX037369.D
Acq: 30 Aug 2023 04:46

Tgt Ion: 84 Resp: 18197
Ion Ratio Lower Upper
84 100
49 103.8 103.6 155.4
51 33.1 33.8 50.6#
86 65.2 49.4 74.0





#25

2-Butanone

Concen: 6.266 ug/l

RT: 4.568 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX037369.D

Acq: 30 Aug 2023 04:46

Instrument :

MSVOA_X

ClientSampleId :

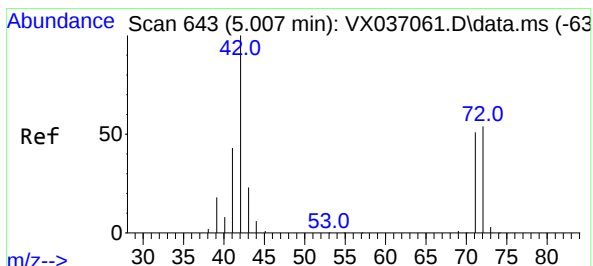
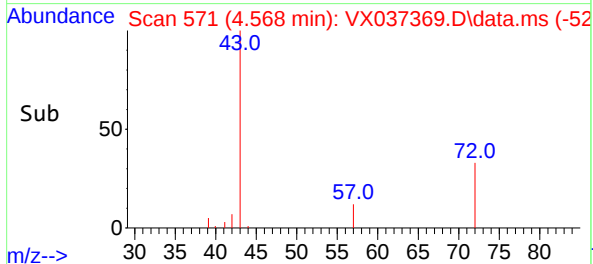
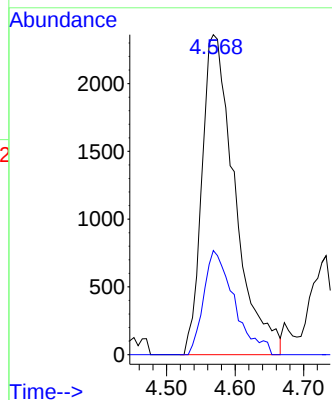
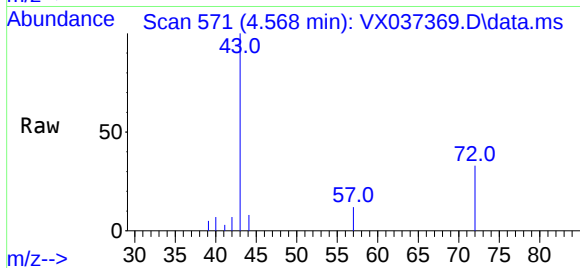
OR-309-OK-370-VOC-23

Tgt Ion: 43 Resp: 7872

Ion Ratio Lower Upper

43 100

72 32.5 19.4 29.2#



#29

Tetrahydrofuran

Concen: 0.550 ug/l

RT: 5.038 min Scan# 648

Delta R.T. 0.030 min

Lab File: VX037369.D

Acq: 30 Aug 2023 04:46

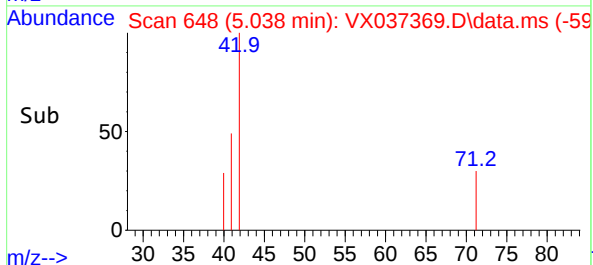
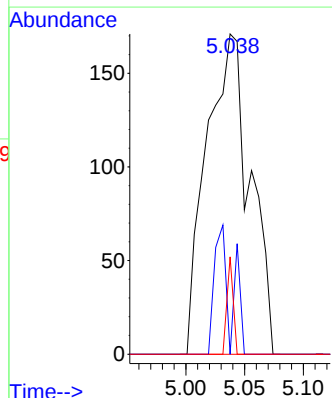
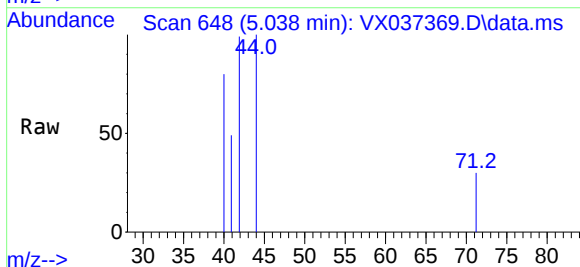
Tgt Ion: 42 Resp: 441

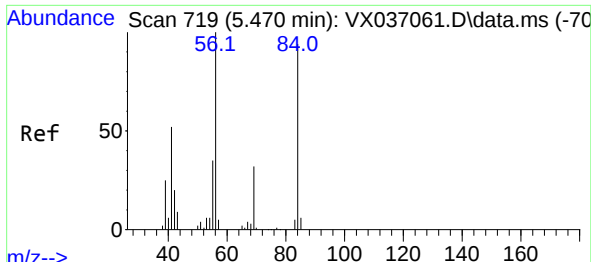
Ion Ratio Lower Upper

42 100

72 15.4 34.2 51.4#

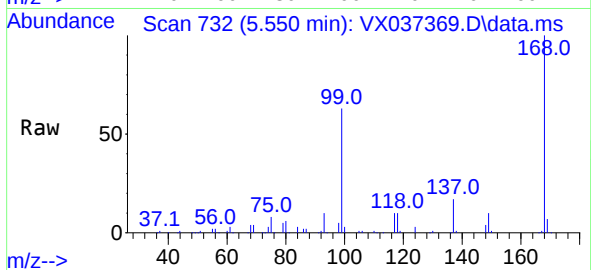
71 4.3 32.2 48.2#



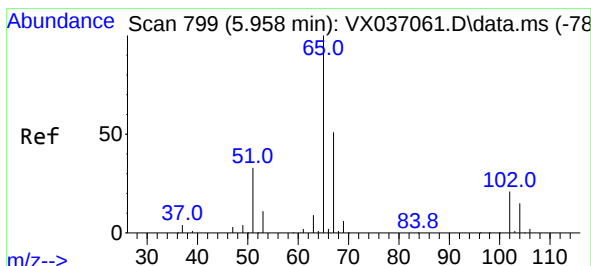
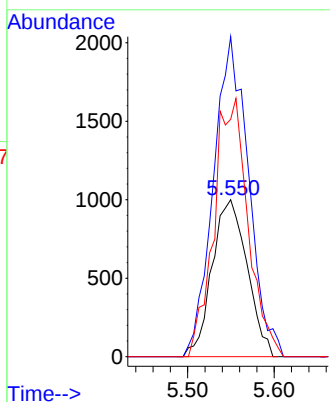
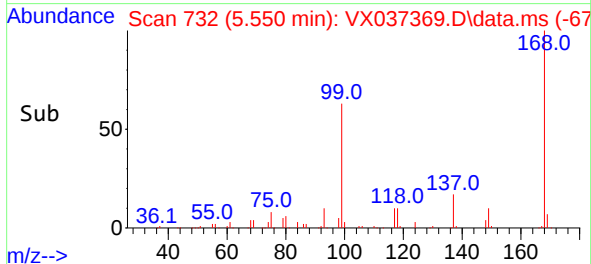


#31
Cyclohexane
Concen: 1.174 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX037369.D
Acq: 30 Aug 2023 04:46

Instrument :
MSVOA_X
ClientSampleId :
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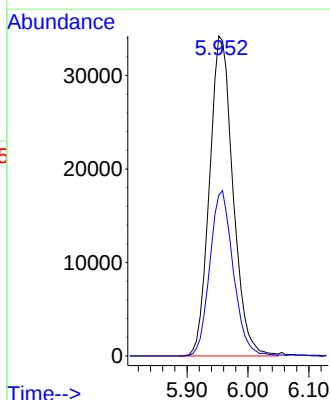
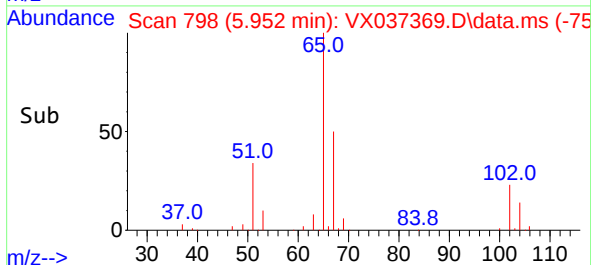
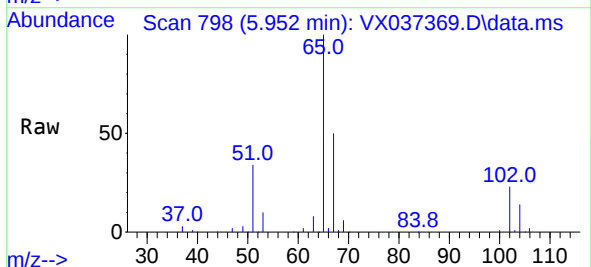


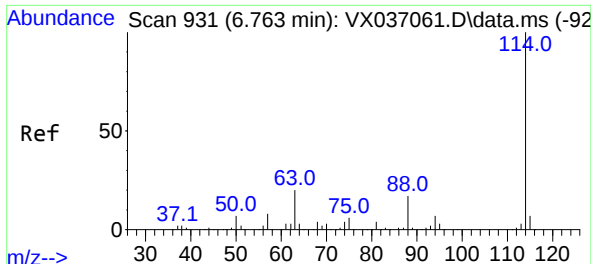
Tgt Ion: 56 Resp: 2815
Ion Ratio Lower Upper
56 100
69 203.9 23.4 35.2#
84 151.3 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 43.030 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX037369.D
Acq: 30 Aug 2023 04:46

Tgt Ion: 65 Resp: 91773
Ion Ratio Lower Upper
65 100
67 51.5 0.0 100.2

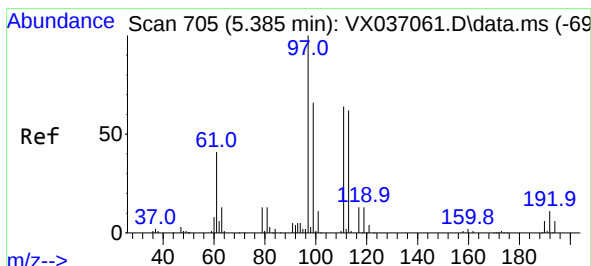
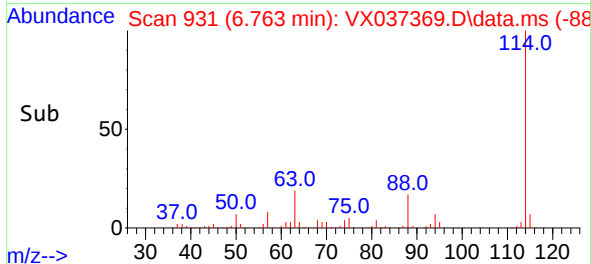
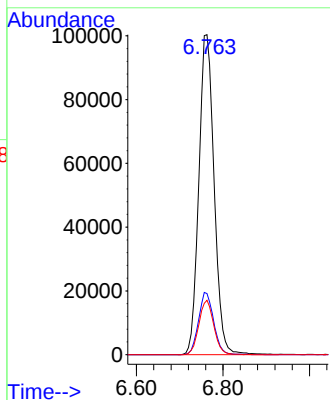
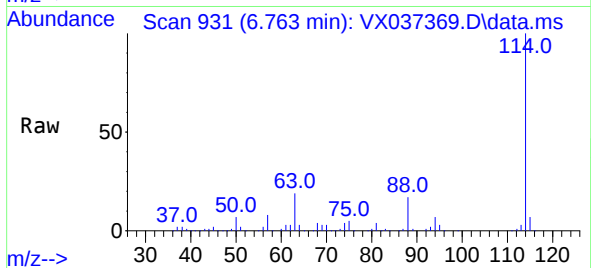




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX037369.D
Acq: 30 Aug 2023 04:46

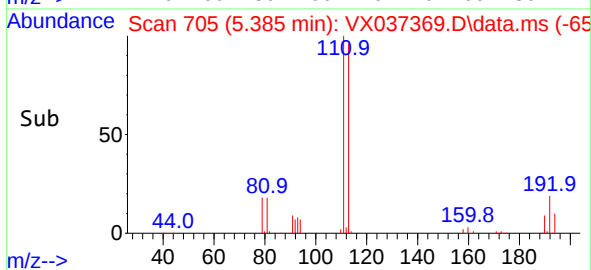
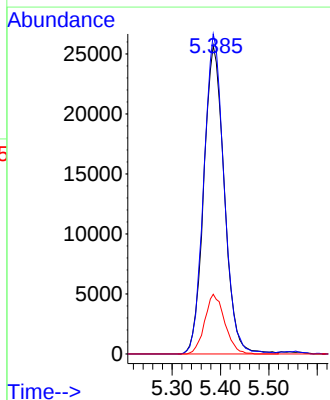
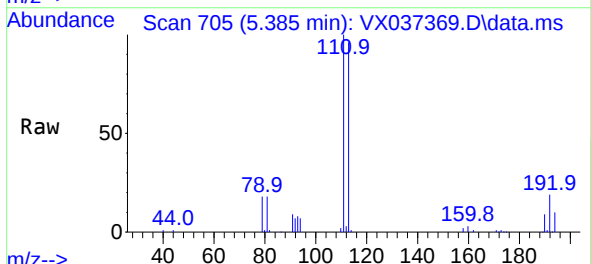
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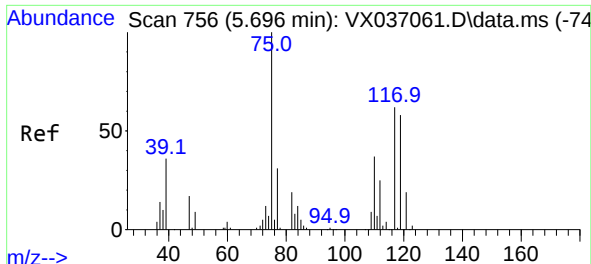
Tgt Ion:114 Resp: 246680
Ion Ratio Lower Upper
114 100
63 19.1 0.0 45.0
88 17.0 0.0 36.6



#35
Dibromofluoromethane
Concen: 46.267 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX037369.D
Acq: 30 Aug 2023 04:46

Tgt Ion:113 Resp: 75587
Ion Ratio Lower Upper
113 100
111 102.3 82.9 124.3
192 18.9 13.3 19.9

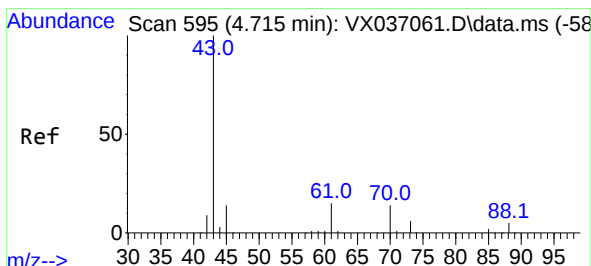
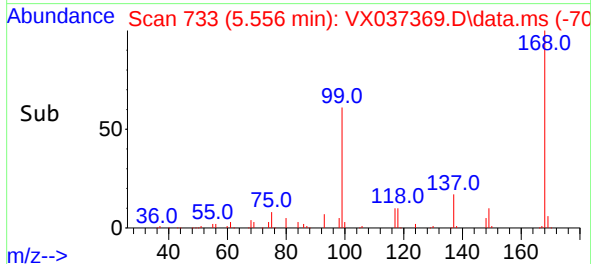
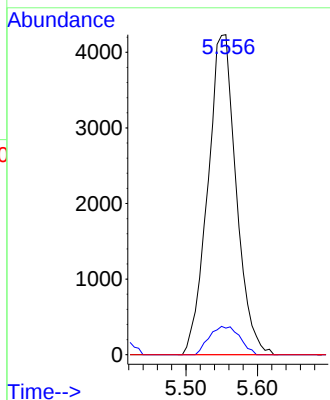
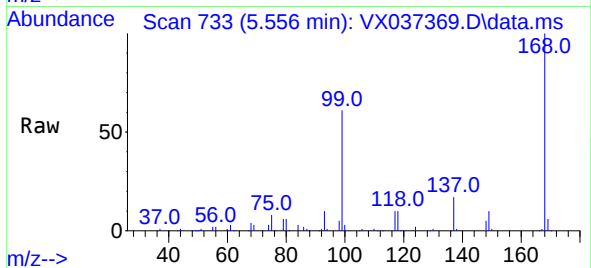




#36
1,1-Dichloropropene
Concen: 5.030 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX037369.D
Acq: 30 Aug 2023 04:46

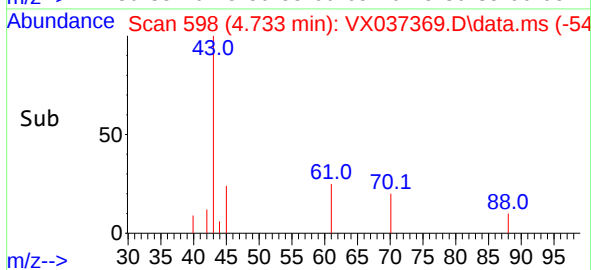
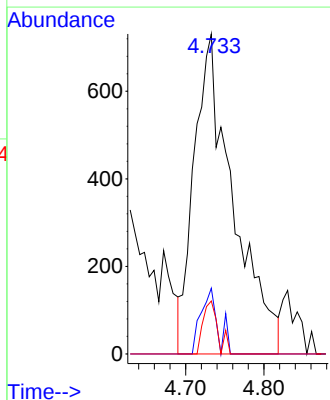
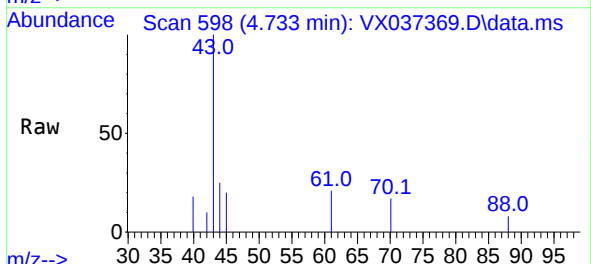
Instrument :
MSVOA_X
ClientSampleId :
OR-309-OK-370-VOC-23

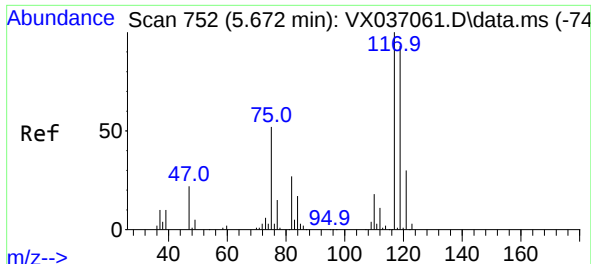
Tgt Ion: 75 Resp: 11676
Ion Ratio Lower Upper
75 100
110 9.5 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 1.064 ug/l
RT: 4.733 min Scan# 598
Delta R.T. 0.018 min
Lab File: VX037369.D
Acq: 30 Aug 2023 04:46

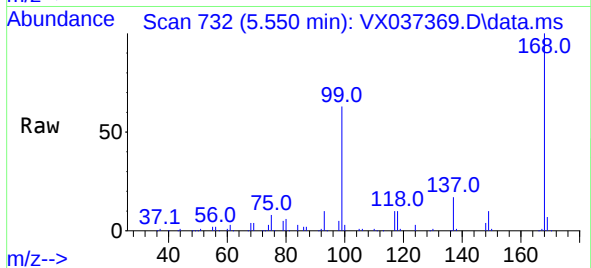
Tgt Ion: 43 Resp: 2522
Ion Ratio Lower Upper
43 100
61 7.5 10.6 16.0#
70 6.2 8.3 12.5#



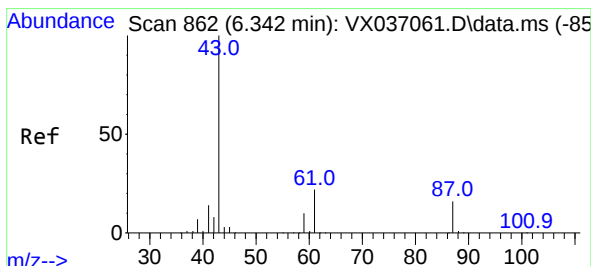
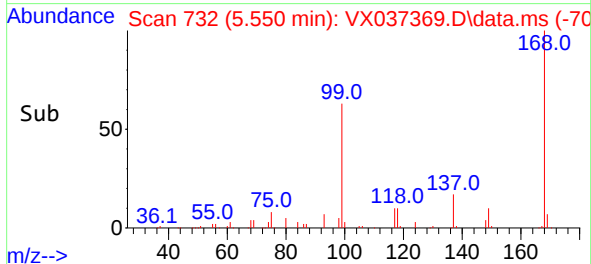
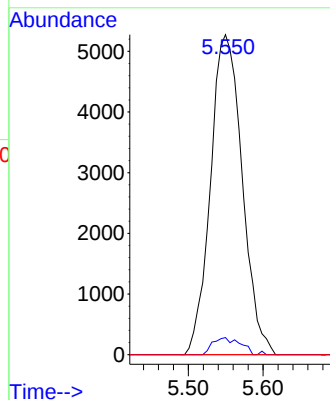


#38
Carbon Tetrachloride
Concen: 6.176 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX037369.D
Acq: 30 Aug 2023 04:46

Instrument :
MSVOA_X
ClientSampleId :
OR-309-OK-370-VOC-23

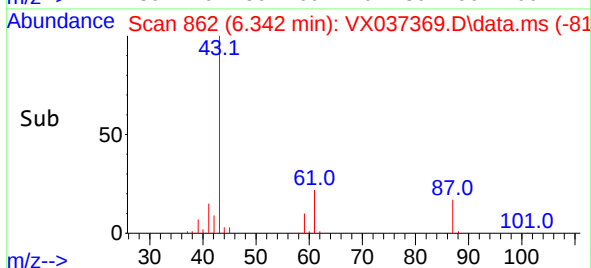
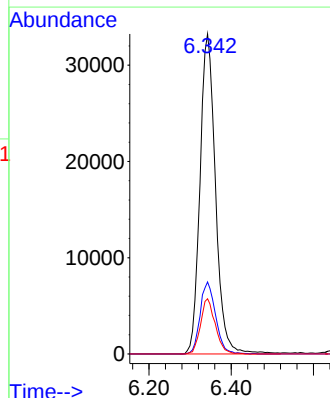
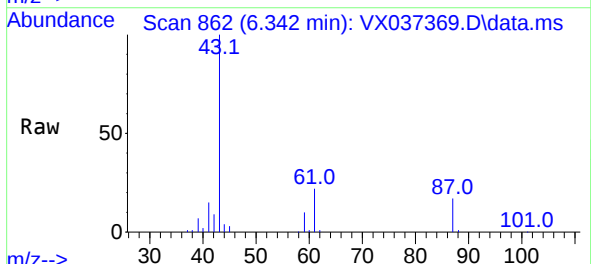


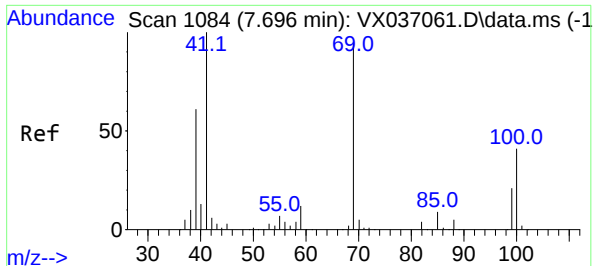
Tgt Ion:117 Resp: 15572
Ion Ratio Lower Upper
117 100
119 5.4 78.2 117.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 23.176 ug/l
RT: 6.342 min Scan# 862
Delta R.T. -0.000 min
Lab File: VX037369.D
Acq: 30 Aug 2023 04:46

Tgt Ion: 43 Resp: 87239
Ion Ratio Lower Upper
43 100
61 22.4 15.2 22.8
87 16.4 9.8 14.6#

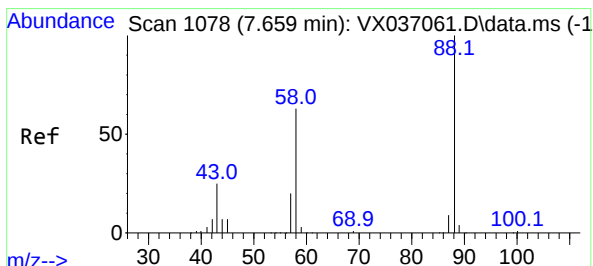
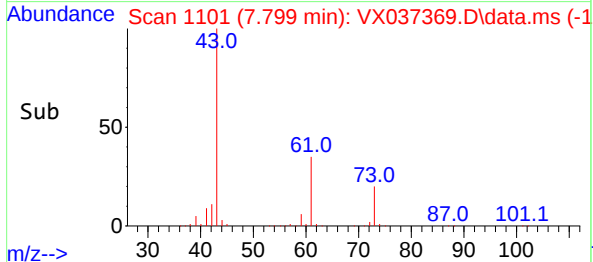
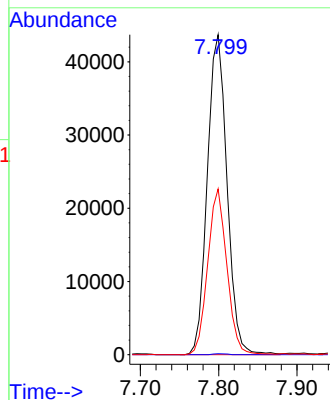
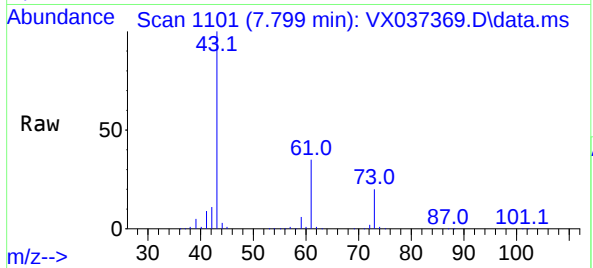




#48
Methyl methacrylate
Concen: 41.576 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX037369.D
Acq: 30 Aug 2023 04:46

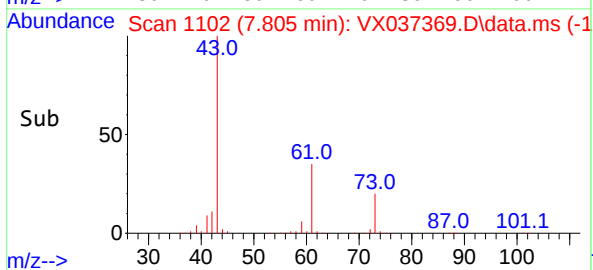
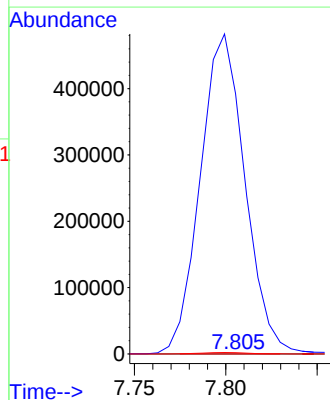
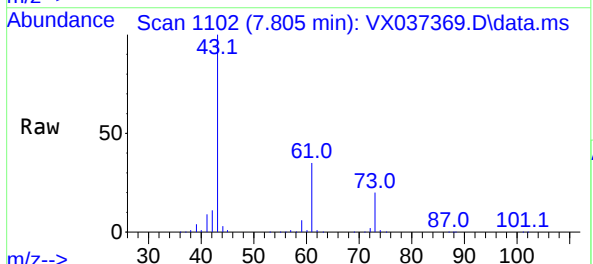
Instrument :
MSVOA_X
ClientSampleId :
OR-309-OK-370-VOC-23

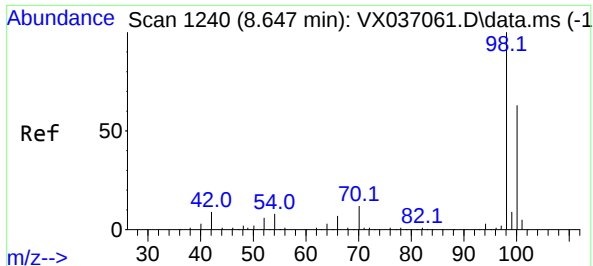
Tgt Ion: 41 Resp: 76321
Ion Ratio Lower Upper
41 100
69 0.2 59.2 88.8#
39 50.3 47.7 71.5



#49
1,4-Dioxane
Concen: 3.196 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. 0.146 min
Lab File: VX037369.D
Acq: 30 Aug 2023 04:46

Tgt Ion: 88 Resp: 158
Ion Ratio Lower Upper
88 100
43 523574.1 0.0 0.0#
58 2477.2 60.1 90.1#

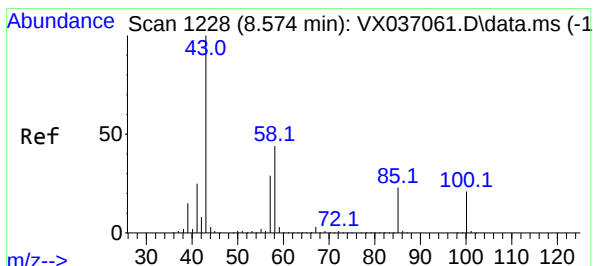
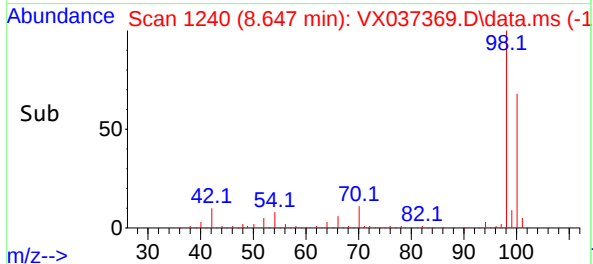
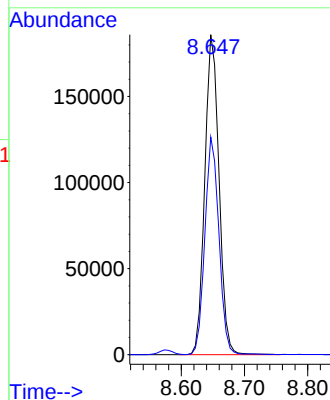
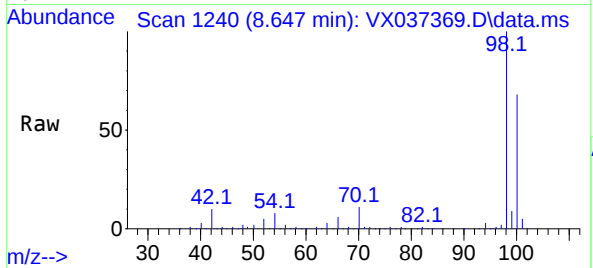




#50
Toluene-d8
Concen: 49.198 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX037369.D
Acq: 30 Aug 2023 04:46

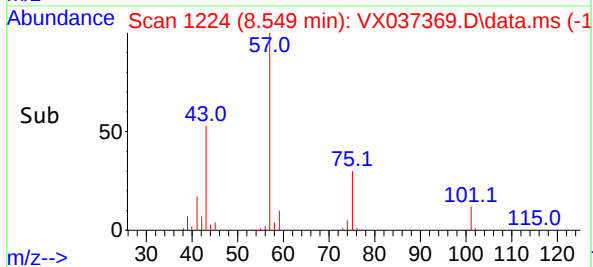
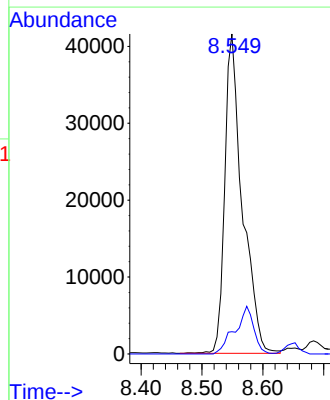
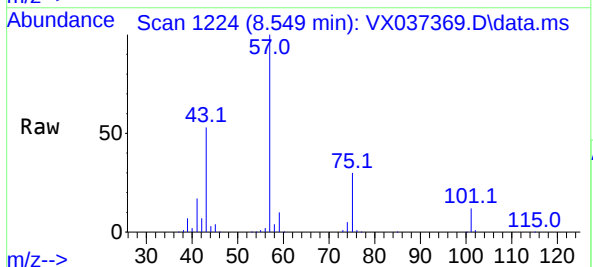
Instrument :
MSVOA_X
ClientSampleId :
OR-309-OK-370-VOC-23

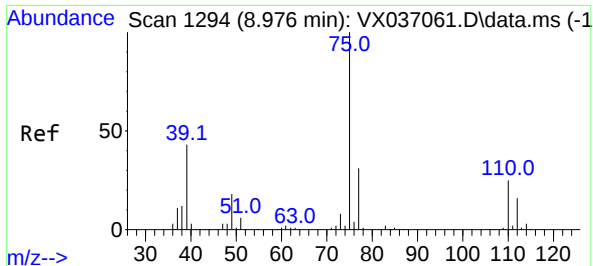
Tgt Ion: 98 Resp: 291552
Ion Ratio Lower Upper
98 100
100 67.2 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 36.464 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX037369.D
Acq: 30 Aug 2023 04:46

Tgt Ion: 43 Resp: 83347
Ion Ratio Lower Upper
43 100
58 0.0 30.4 45.6#

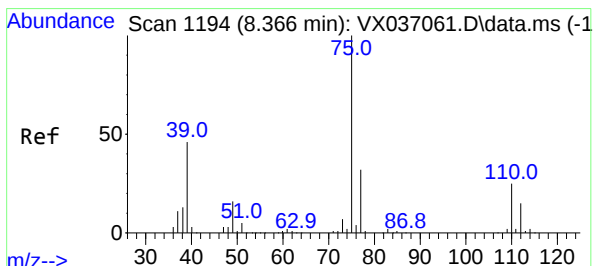
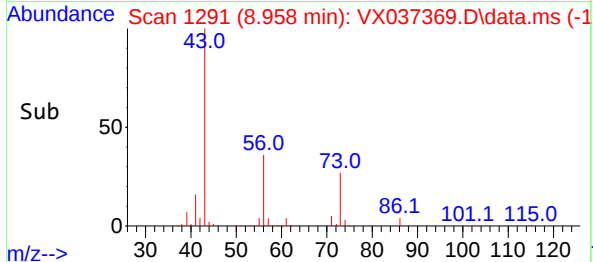
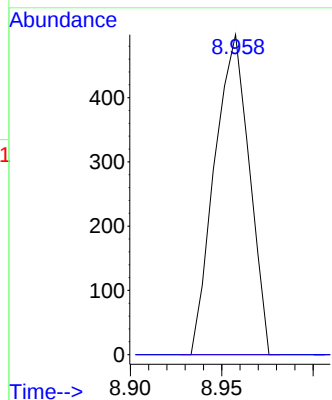
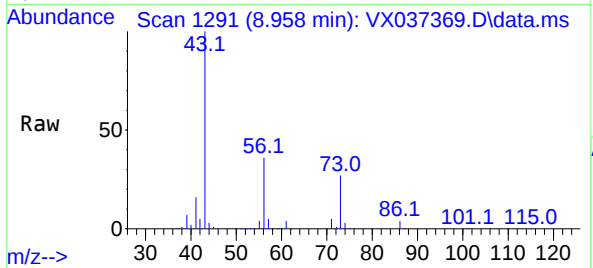




#53
t-1,3-Dichloropropene
Concen: 0.250 ug/l
RT: 8.958 min Scan# 11
Delta R.T. -0.018 min
Lab File: VX037369.D
Acq: 30 Aug 2023 04:46

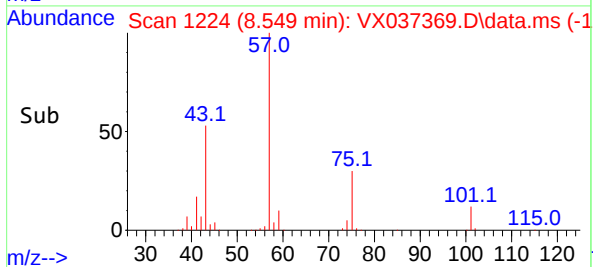
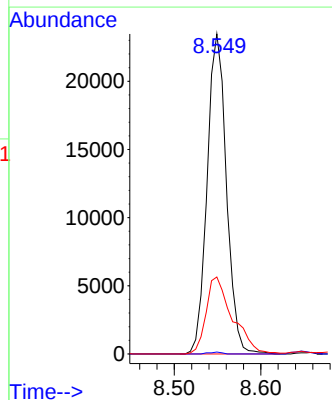
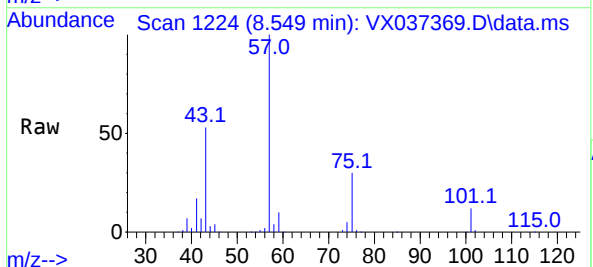
Instrument :
MSVOA_X
ClientSampleId :
OR-309-OK-370-VOC-23

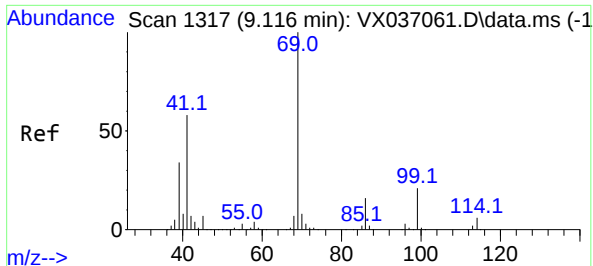
Tgt Ion: 75 Resp: 659
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#



#54
cis-1,3-Dichloropropene
Concen: 12.754 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.183 min
Lab File: VX037369.D
Acq: 30 Aug 2023 04:46

Tgt Ion: 75 Resp: 36346
Ion Ratio Lower Upper
75 100
77 0.6 25.3 37.9#
39 24.1 46.7 70.1#

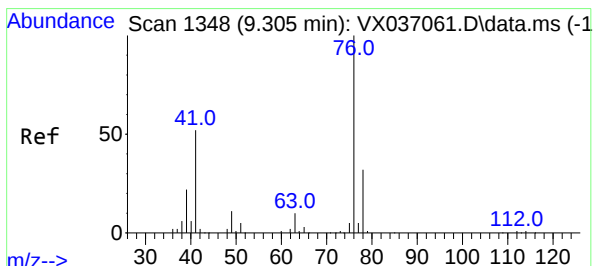
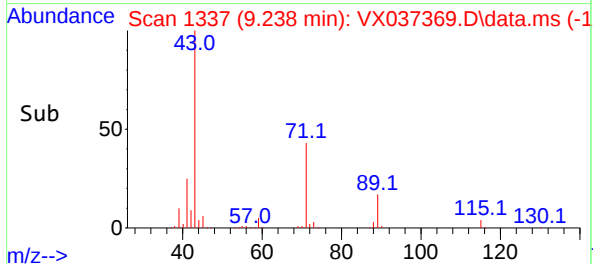
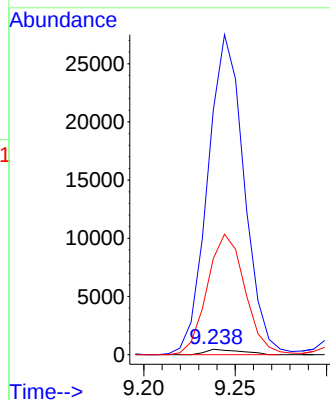
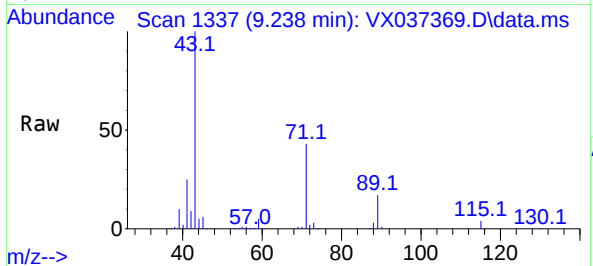




#56
Ethyl methacrylate
Concen: 0.224 ug/l
RT: 9.238 min Scan# 11
Delta R.T. 0.122 min
Lab File: VX037369.D
Acq: 30 Aug 2023 04:46

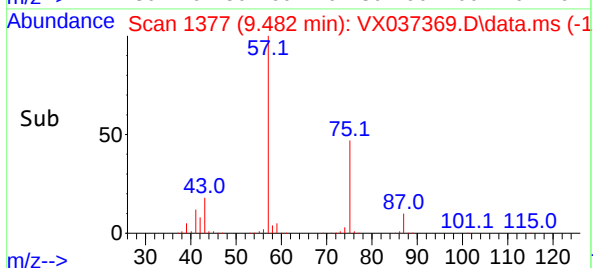
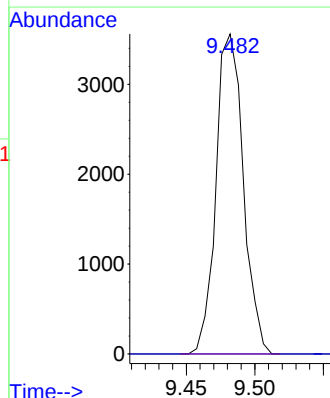
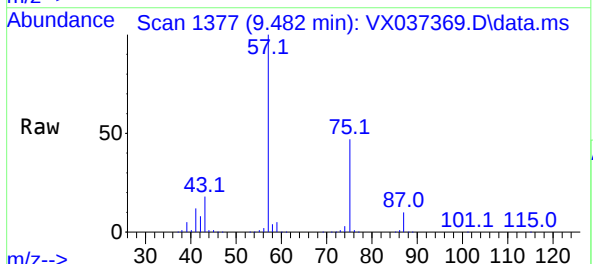
Instrument :
MSVOA_X
ClientSampleId :
OR-309-OK-370-VOC-23

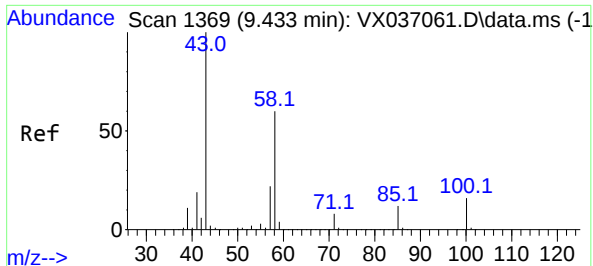
Tgt Ion: 69 Resp: 629
Ion Ratio Lower Upper
69 100
41 6083.9 56.8 85.2#
39 2374.6 32.0 48.0#



#57
1,3-Dichloropropane
Concen: 1.633 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX037369.D
Acq: 30 Aug 2023 04:46

Tgt Ion: 76 Resp: 4930
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#





#59

2-Hexanone

Concen: 32.041 ug/l

RT: 9.482 min Scan# 11

Delta R.T. 0.049 min

Lab File: VX037369.D

Acq: 30 Aug 2023 04:46

Instrument :

MSVOA_X

ClientSampleId :

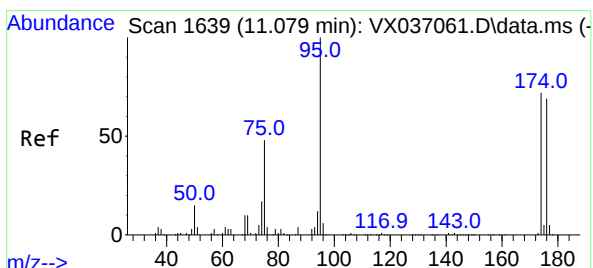
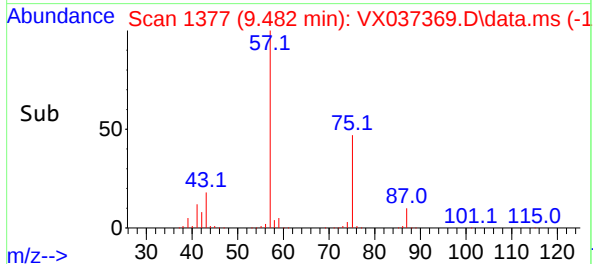
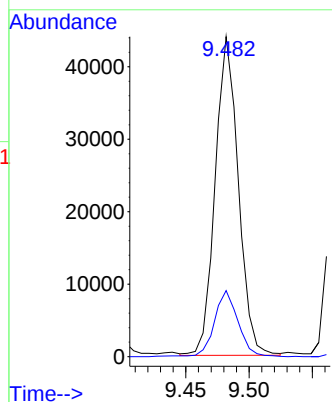
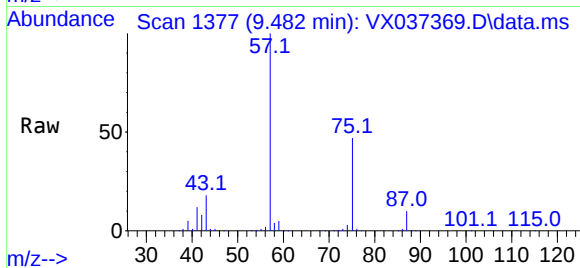
OR-309-OK-370-VOC-23

Tgt Ion: 43 Resp: 55841

Ion Ratio Lower Upper

43 100

58 21.4 26.2 78.5#



#62

4-Bromofluorobenzene

Concen: 45.828 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX037369.D

Acq: 30 Aug 2023 04:46

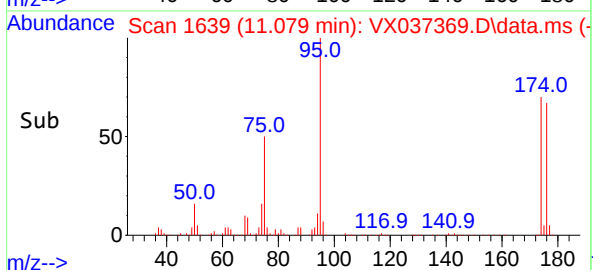
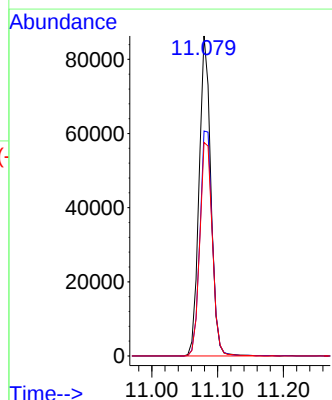
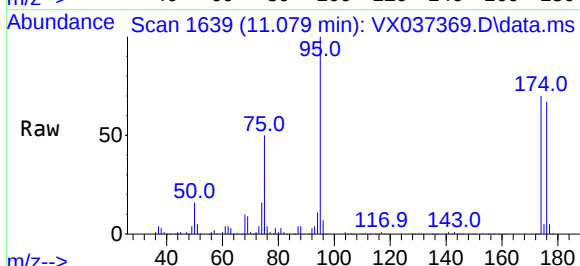
Tgt Ion: 95 Resp: 106727

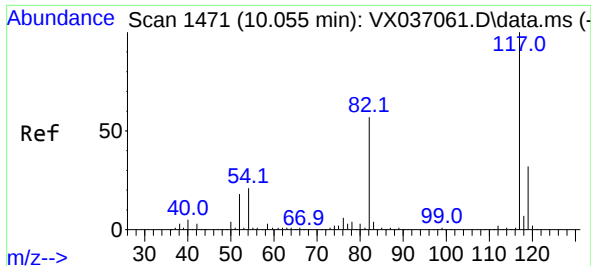
Ion Ratio Lower Upper

95 100

174 74.6 0.0 135.6

176 71.6 0.0 131.0

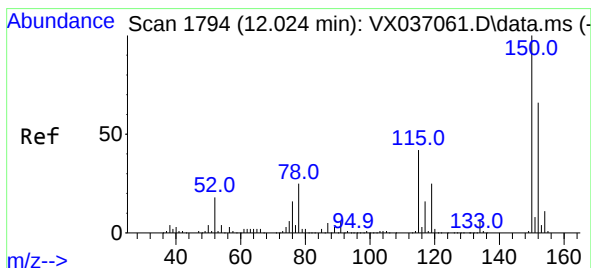
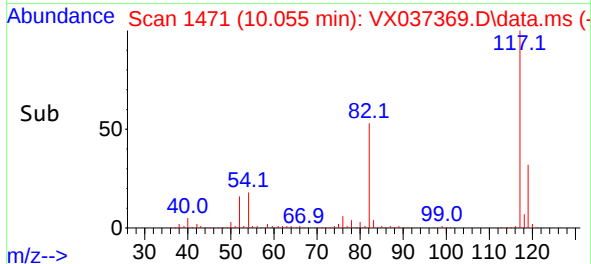
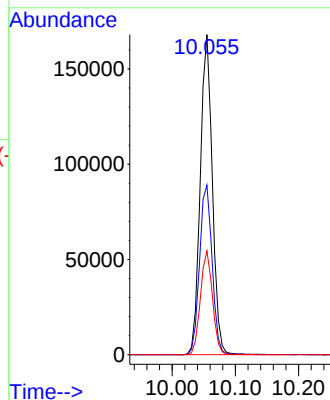
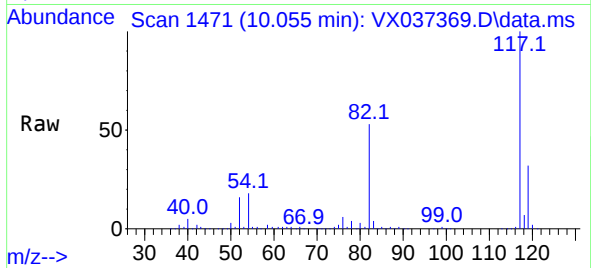




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX037369.D
Acq: 30 Aug 2023 04:46

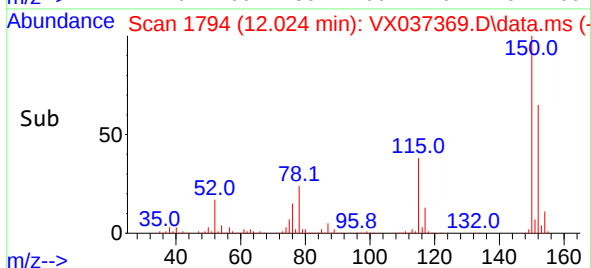
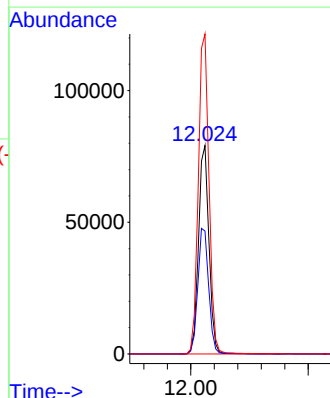
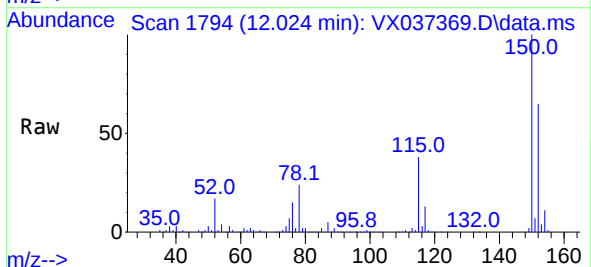
Instrument :
MSVOA_X
ClientSampleId :
OR-309-OK-370-VOC-23

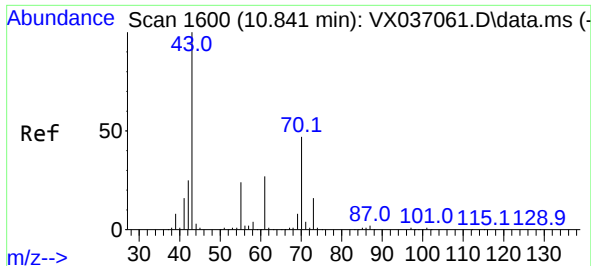
Tgt Ion:117 Resp: 223871
Ion Ratio Lower Upper
117 100
82 53.0 46.2 69.4
119 32.4 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX037369.D
Acq: 30 Aug 2023 04:46

Tgt Ion:152 Resp: 97719
Ion Ratio Lower Upper
152 100
115 62.5 43.3 129.9
150 156.7 0.0 345.0

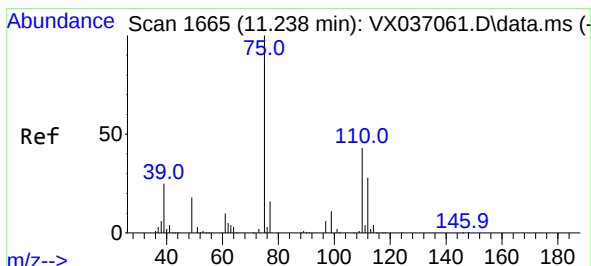
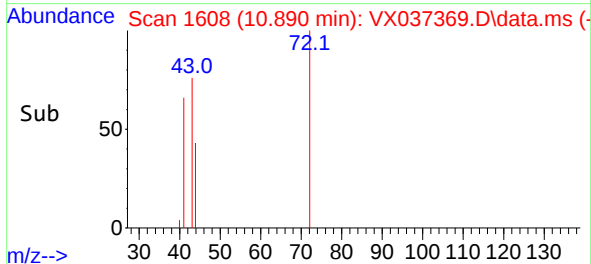
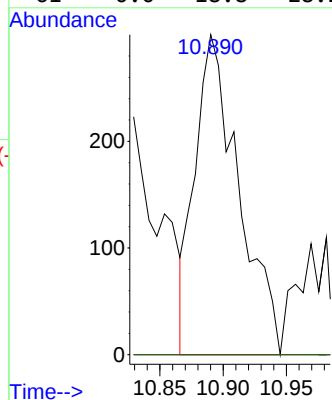
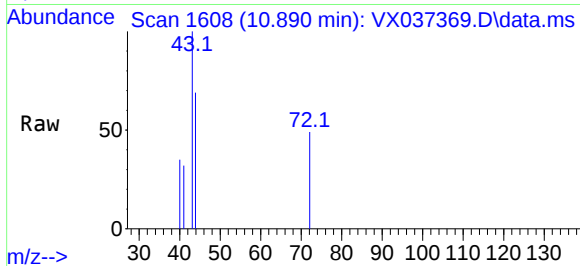




#74
N-amy1 acetate
Concen: 0.260 ug/l
RT: 10.890 min Scan# 1639
Delta R.T. 0.049 min
Lab File: VX037369.D
Acq: 30 Aug 2023 04:46

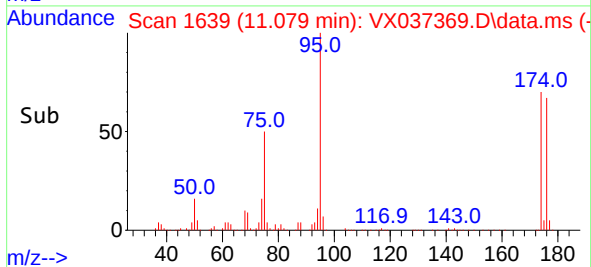
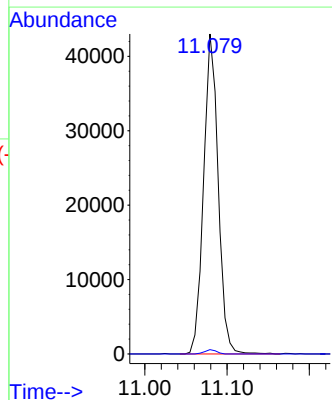
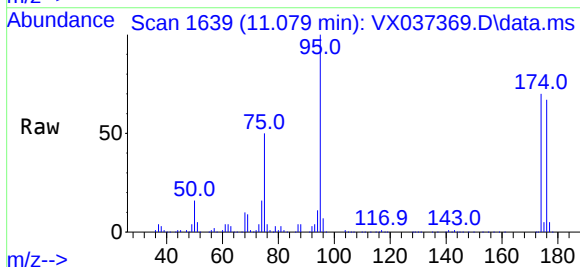
Instrument :
MSVOA_X
ClientSampleId :
OR-309-OK-370-VOC-23

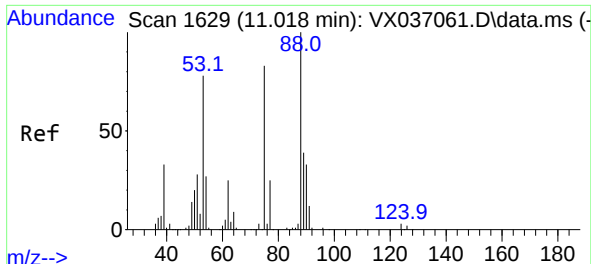
Tgt Ion: 43	Resp:	718
Ion	Ratio	Lower Upper
43	100	
70	0.0	32.9 49.3#
55	0.0	19.3 28.9#
61	0.0	18.8 28.2#



#76
1,2,3-Trichloropropane
Concen: 25.415 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX037369.D
Acq: 30 Aug 2023 04:46

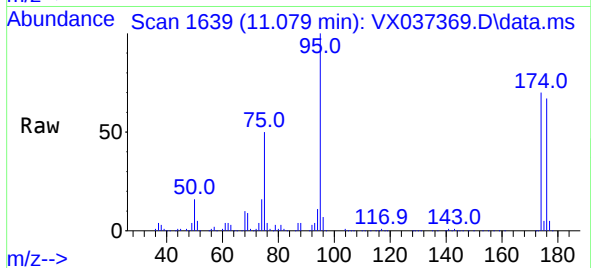
Tgt Ion: 75	Resp:	52891
Ion	Ratio	Lower Upper
75	100	
77	1.1	19.1 57.5#





#81
trans-1,4-Dichloro-2-butene
Concen: 70.985 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX037369.D
Acq: 30 Aug 2023 04:46

Instrument :
MSVOA_X
ClientSampleId :
OR-309-OK-370-VOC-23



Tgt Ion: 75 Resp: 52891
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#

