

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082923\
 Data File : VX037367.D
 Acq On : 30 Aug 2023 03:58
 Operator : JC/MD
 Sample : 04197-11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OR-309-OK-370-VOC-21

Quant Time: Aug 30 04:53:39 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)

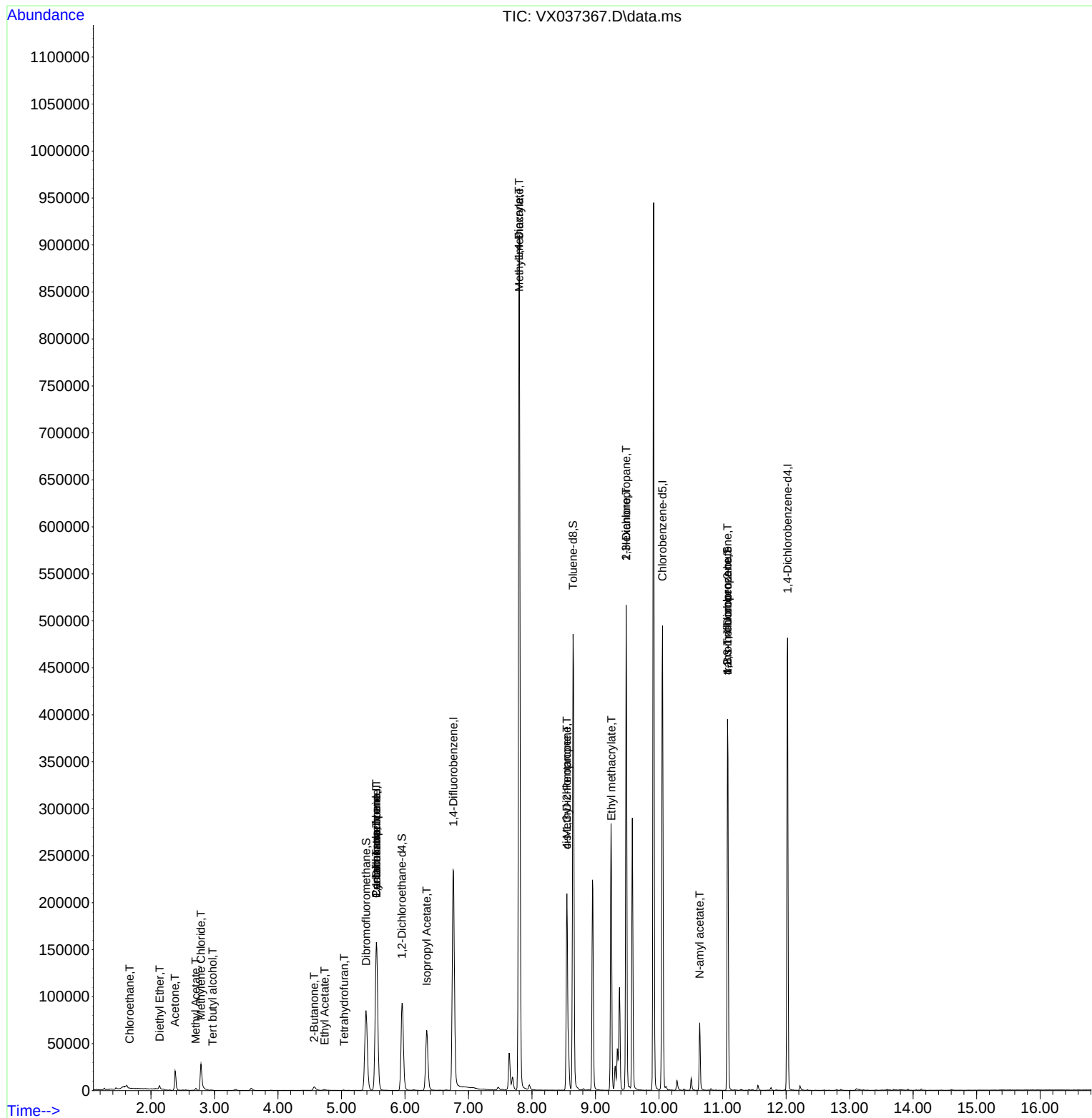
Internal Standards						
1) Pentafluorobenzene	5.550	168	147964	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	248959	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	229995	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	104907	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	93195	43.689	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	87.380%		
35) Dibromofluoromethane	5.385	113	75856	46.007	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.020%		
50) Toluene-d8	8.646	98	297320	49.712	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.420%		
62) 4-Bromofluorobenzene	11.079	95	112286	47.774	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.540%		
Target Compounds						Qvalue
6) Chloroethane	1.666	64	578	0.600	ug/l #	43
8) Diethyl Ether	2.135	74	1211	1.167	ug/l	73
11) Tert butyl alcohol	2.971	59	205	0.410	ug/l #	78
16) Acetone	2.379	43	21938	26.288	ug/l #	89
18) Methyl Acetate	2.702	43	2676	0.852	ug/l	97
20) Methylene Chloride	2.788	84	16722	8.960	ug/l #	88
25) 2-Butanone	4.568	43	7793	6.202	ug/l #	83
29) Tetrahydrofuran	5.043	42	344	0.429	ug/l #	39
31) Cyclohexane	5.550	56	2936	1.224	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	11320	4.832	ug/l #	52
37) Ethyl Acetate	4.733	43	1759	0.735	ug/l #	86
38) Carbon Tetrachloride	5.550	117	15815	6.215	ug/l #	15
43) Isopropyl Acetate	6.342	43	85111	22.404	ug/l #	91
48) Methyl methacrylate	7.799	41	73352	39.592	ug/l #	47
49) 1,4-Dioxane	7.793	88	169	3.387	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	83802	36.328	ug/l #	37
54) cis-1,3-Dichloropropene	8.549	75	37305	12.971	ug/l #	50
56) Ethyl methacrylate	9.250	69	675	0.238	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	4702	1.543	ug/l #	42
59) 2-Hexanone	9.482	43	54751	31.128	ug/l #	54
74) N-amyl acetate	10.640	43	16010	5.404	ug/l #	54
76) 1,2,3-Trichloropropane	11.079	75	55031	24.631	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	55031	68.797	ug/l #	5

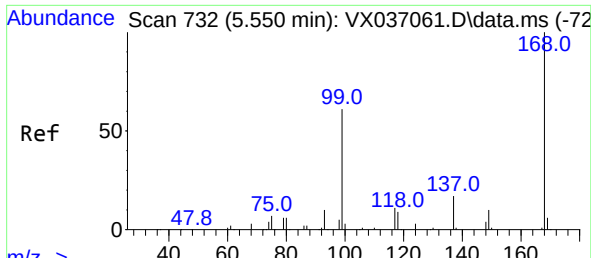
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Aug 18 09:30:38 2023
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.000 min

Lab File: VX037367.D

Acq: 30 Aug 2023 03:58

Instrument :

MSVOA_X

ClientSampleId :

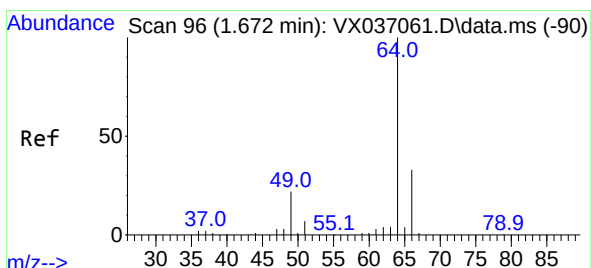
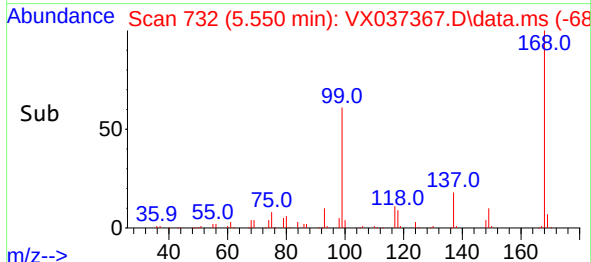
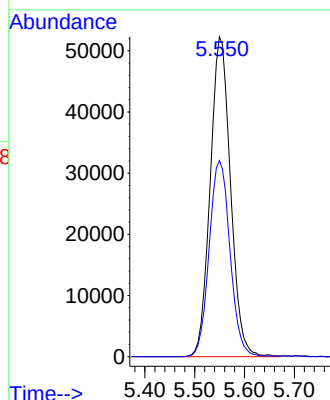
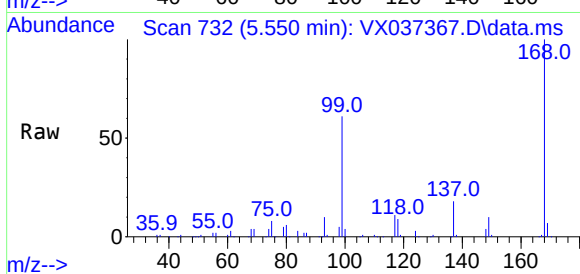
OR-309-OK-370-VOC-21

Tgt Ion:168 Resp: 147964

Ion Ratio Lower Upper

168 100

99 61.3 56.6 85.0



#6

Chloroethane

Concen: 0.600 ug/l

RT: 1.666 min Scan# 95

Delta R.T. -0.006 min

Lab File: VX037367.D

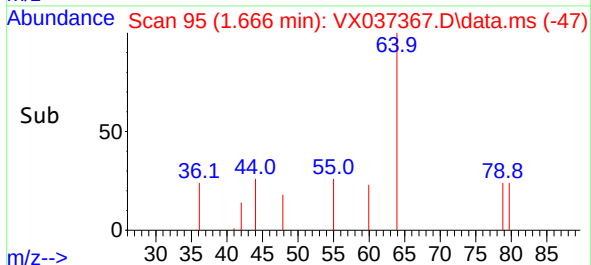
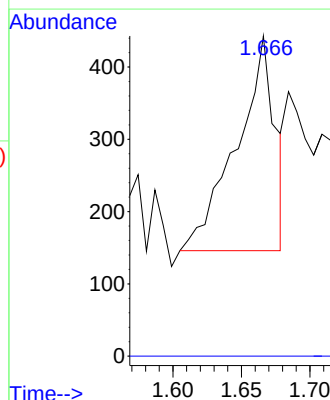
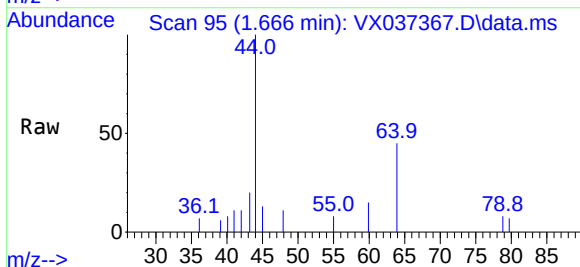
Acq: 30 Aug 2023 03:58

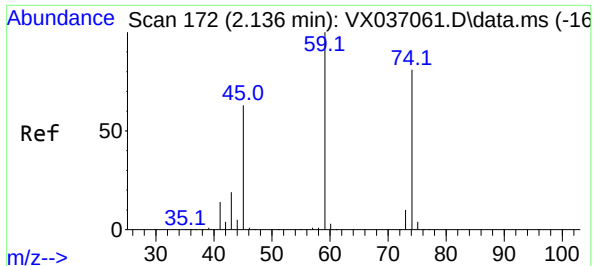
Tgt Ion: 64 Resp: 578

Ion Ratio Lower Upper

64 100

66 0.0 25.1 37.7#

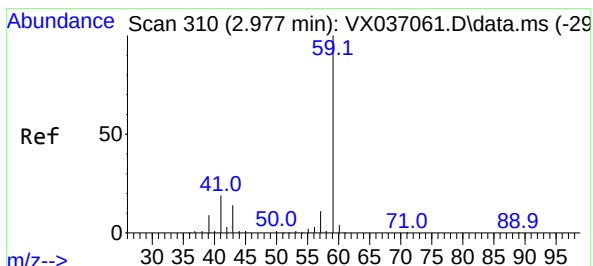
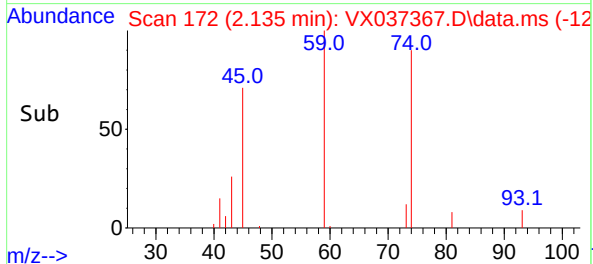
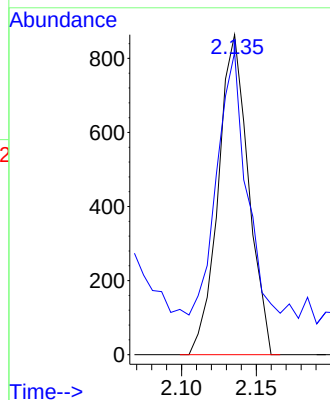
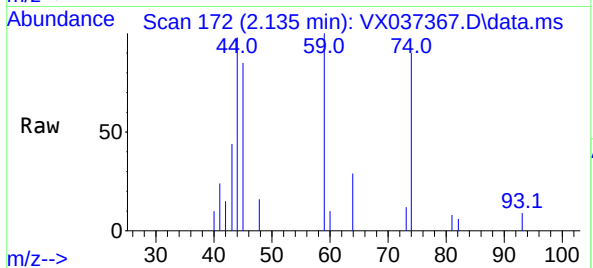




#8
Diethyl Ether
Concen: 1.167 ug/l
RT: 2.135 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX037367.D
Acq: 30 Aug 2023 03:58

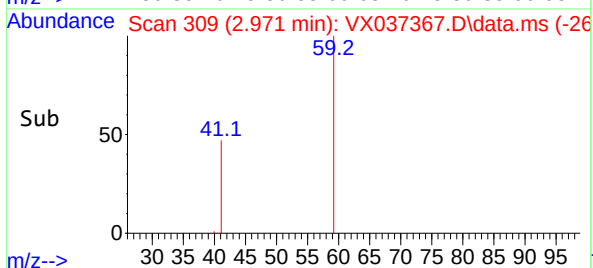
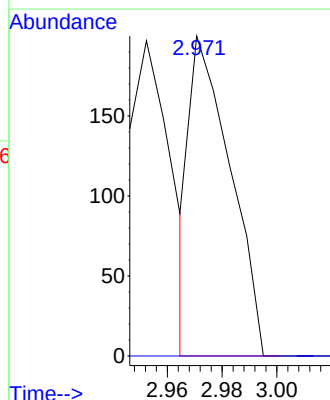
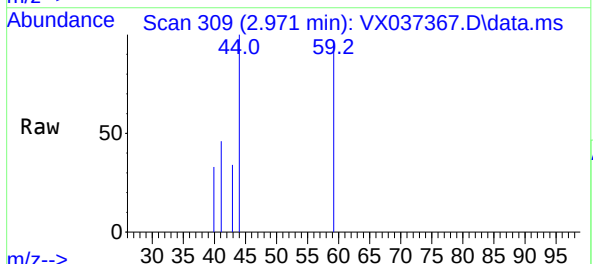
Instrument :
MSVOA_X
ClientSampleId :
OR-309-OK-370-VOC-21

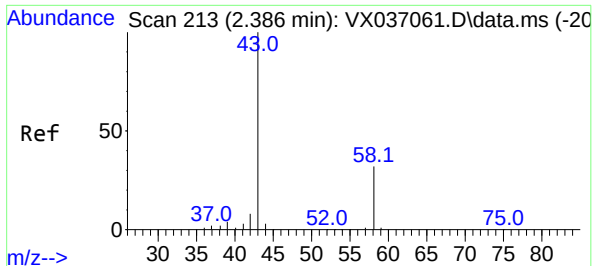
Tgt Ion: 74 Resp: 1211
Ion Ratio Lower Upper
74 100
45 78.4 53.3 159.8



#11
Tert butyl alcohol
Concen: 0.410 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.006 min
Lab File: VX037367.D
Acq: 30 Aug 2023 03:58

Tgt Ion: 59 Resp: 205
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

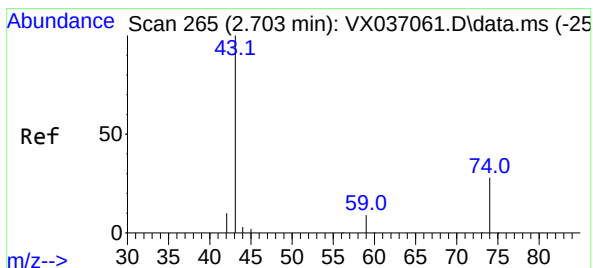
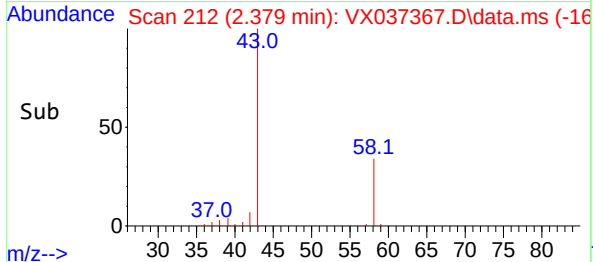
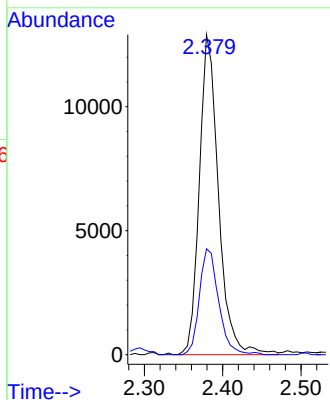
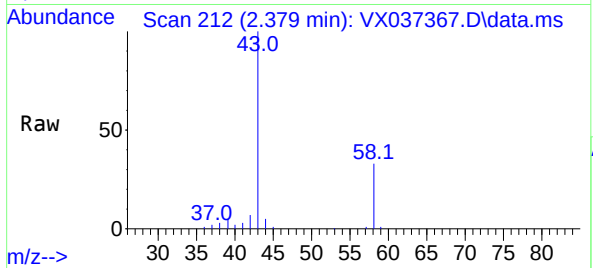




#16
Acetone
Concen: 26.288 ug/l
RT: 2.379 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX037367.D
Acq: 30 Aug 2023 03:58

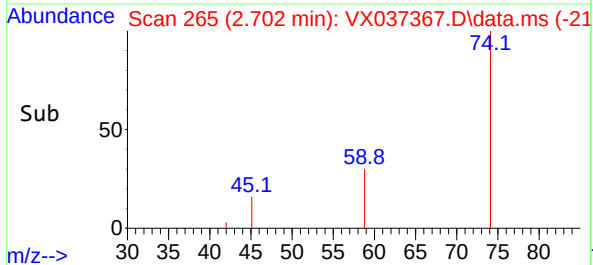
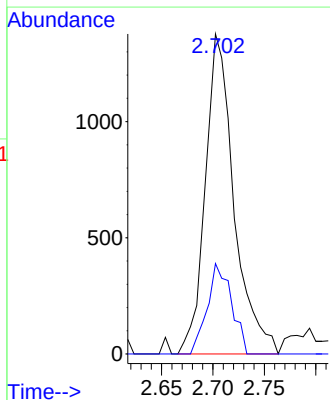
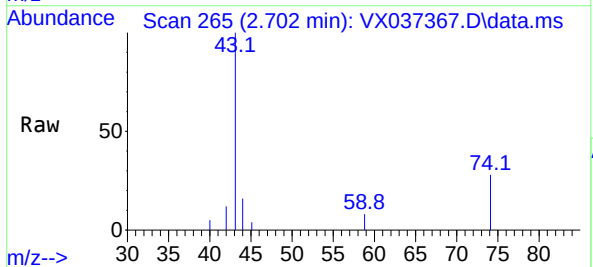
Instrument :
MSVOA_X
ClientSampleId :
OR-309-OK-370-VOC-21

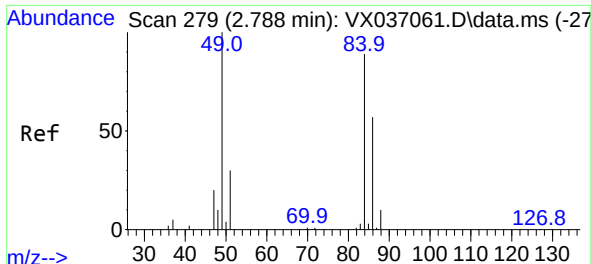
Tgt Ion: 43 Resp: 21938
Ion Ratio Lower Upper
43 100
58 33.1 21.9 32.9#



#18
Methyl Acetate
Concen: 0.852 ug/l
RT: 2.702 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX037367.D
Acq: 30 Aug 2023 03:58

Tgt Ion: 43 Resp: 2676
Ion Ratio Lower Upper
43 100
74 23.8 17.8 26.8



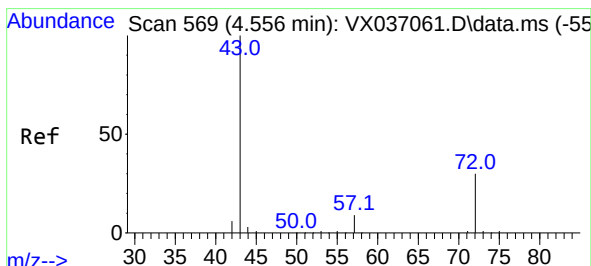
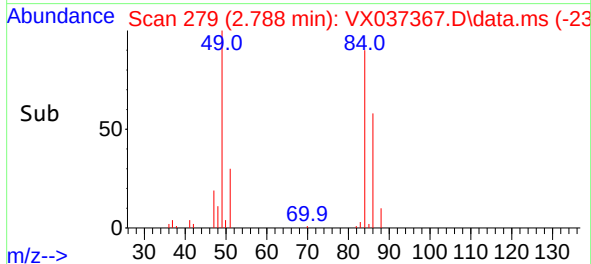
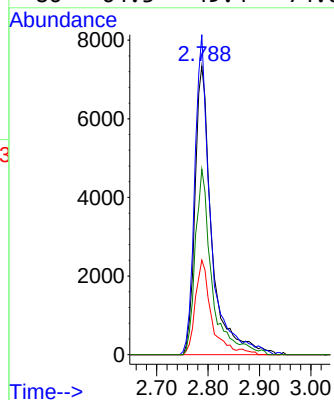
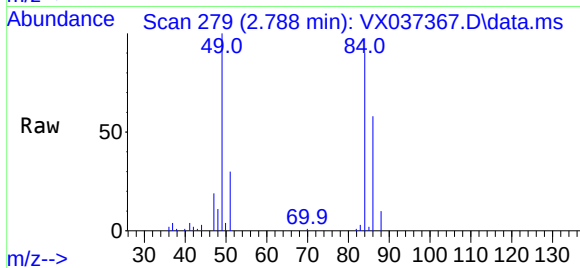


#20
Methylene Chloride
Concen: 8.960 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX037367.D
Acq: 30 Aug 2023 03:58

Instrument :
MSVOA_X
ClientSampleId :
OR-309-OK-370-VOC-21

Tgt Ion: 84 Resp: 16722

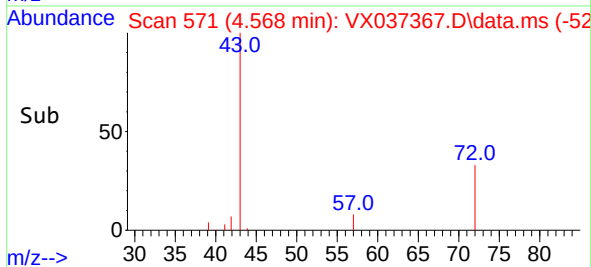
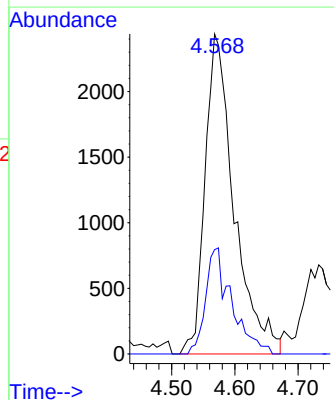
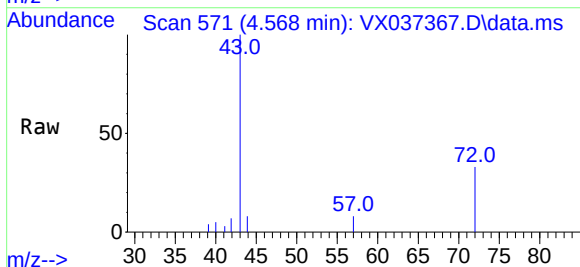
Ion	Ratio	Lower	Upper
84	100		
49	110.9	103.6	155.4
51	32.8	33.8	50.6#
86	64.3	49.4	74.0

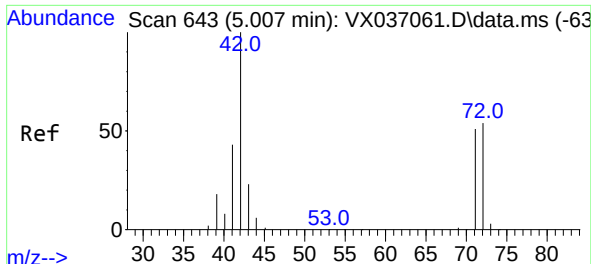


#25
2-Butanone
Concen: 6.202 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.012 min
Lab File: VX037367.D
Acq: 30 Aug 2023 03:58

Tgt Ion: 43 Resp: 7793

Ion	Ratio	Lower	Upper
43	100		
72	32.6	19.4	29.2#





#29

Tetrahydrofuran

Concen: 0.429 ug/l

RT: 5.043 min Scan# 64

Delta R.T. 0.036 min

Lab File: VX037367.D

Acq: 30 Aug 2023 03:58

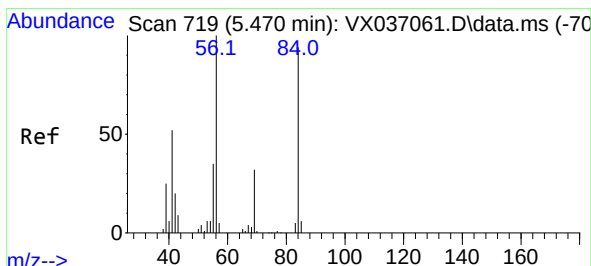
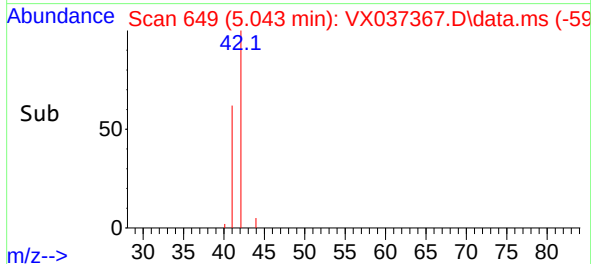
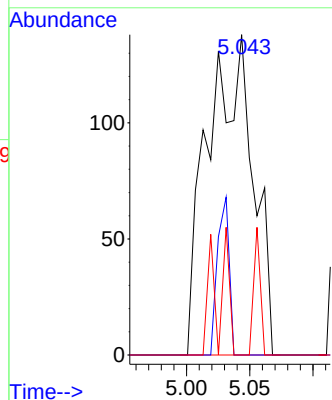
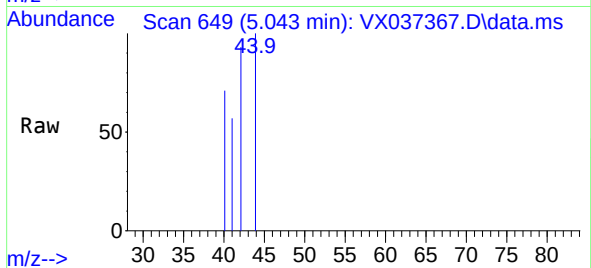
Instrument :

MSVOA_X

ClientSampleId :

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Tgt Ion:	42	Resp:	344
Ion	Ratio	Lower	Upper
42	100		
72	0.0	34.2	51.4#
71	5.8	32.2	48.2#



#31

Cyclohexane

Concen: 1.224 ug/l

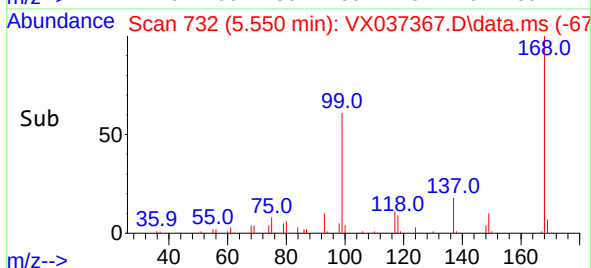
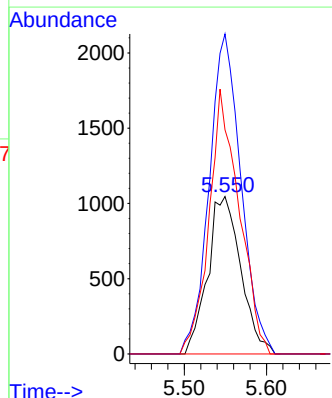
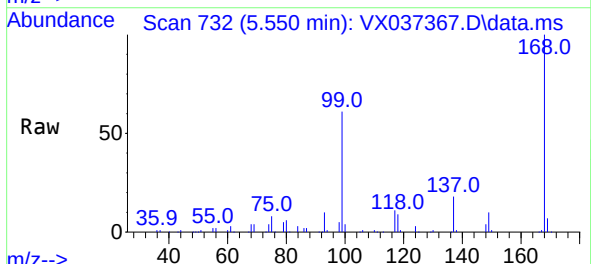
RT: 5.550 min Scan# 732

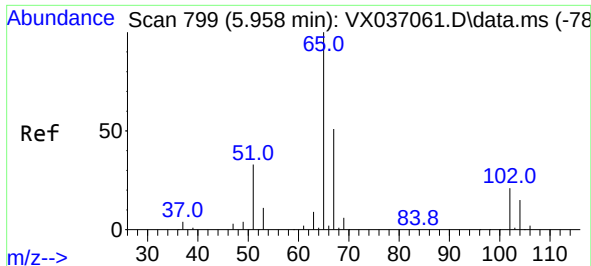
Delta R.T. 0.079 min

Lab File: VX037367.D

Acq: 30 Aug 2023 03:58

Tgt Ion:	56	Resp:	2936
Ion	Ratio	Lower	Upper
56	100		
69	203.3	23.4	35.2#
84	142.4	65.9	98.9#

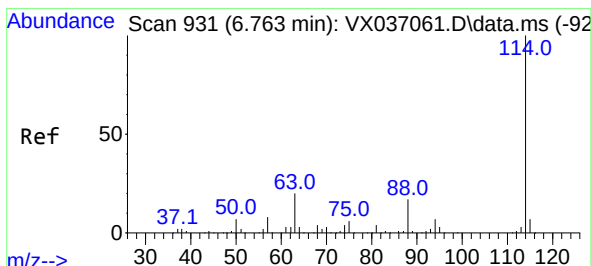
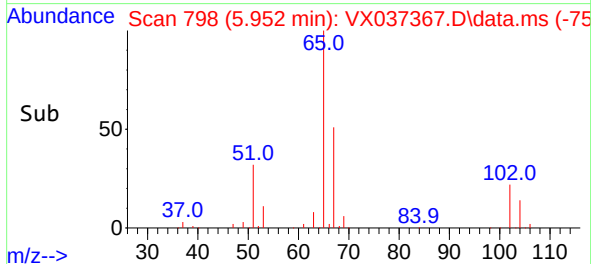
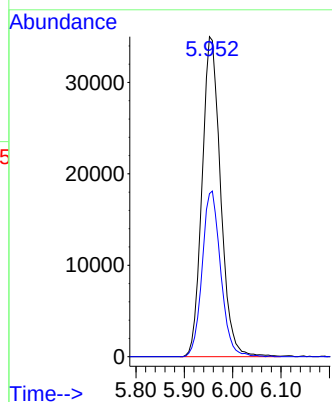
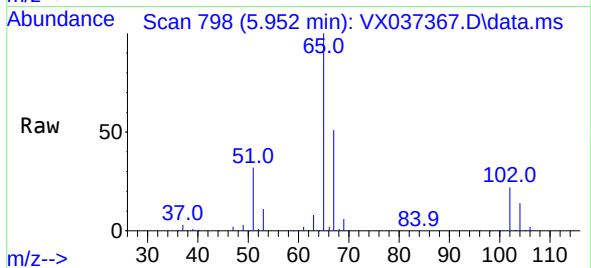




#33
1,2-Dichloroethane-d4
Concen: 43.689 ug/l
RT: 5.952 min Scan# 799
Delta R.T. -0.006 min
Lab File: VX037367.D
Acq: 30 Aug 2023 03:58

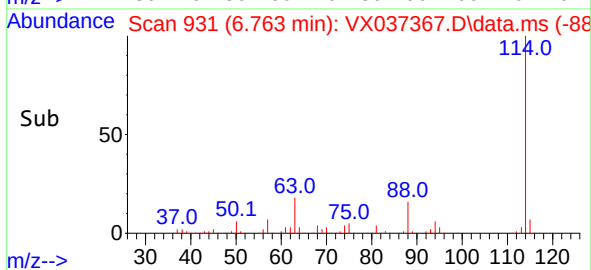
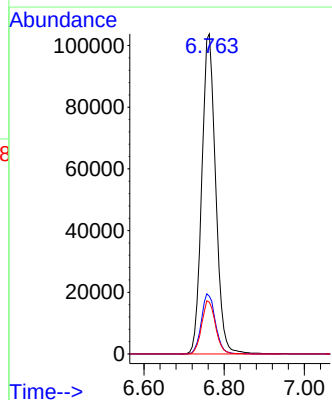
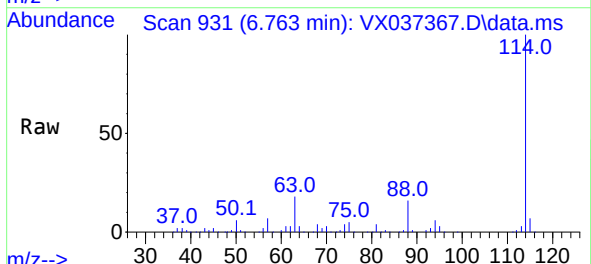
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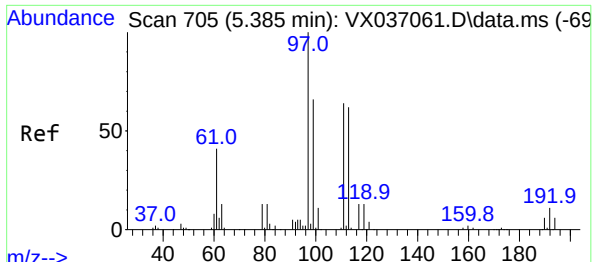
Tgt Ion: 65 Resp: 93195
Ion Ratio Lower Upper
65 100
67 51.6 0.0 100.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.000 min
Lab File: VX037367.D
Acq: 30 Aug 2023 03:58

Tgt Ion: 114 Resp: 248959
Ion Ratio Lower Upper
114 100
63 18.0 0.0 45.0
88 16.2 0.0 36.6





#35

Dibromofluoromethane

Concen: 46.007 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.000 min

Lab File: VX037367.D

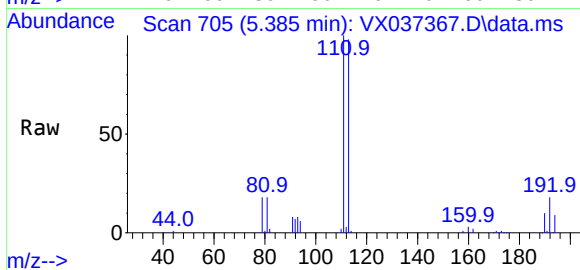
Acq: 30 Aug 2023 03:58

Instrument :

MSVOA_X

ClientSampleId :

OR-309-OK-370-VOC-21



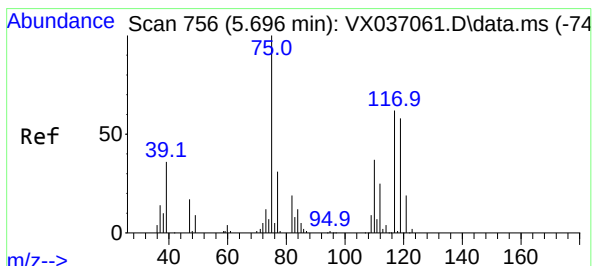
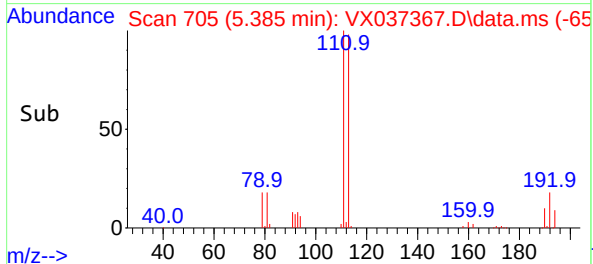
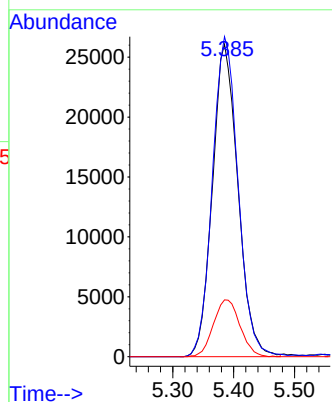
Tgt Ion:113 Resp: 75856

Ion Ratio Lower Upper

113 100

111 103.2 82.9 124.3

192 19.0 13.3 19.9



#36

1,1-Dichloropropene

Concen: 4.832 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.147 min

Lab File: VX037367.D

Acq: 30 Aug 2023 03:58

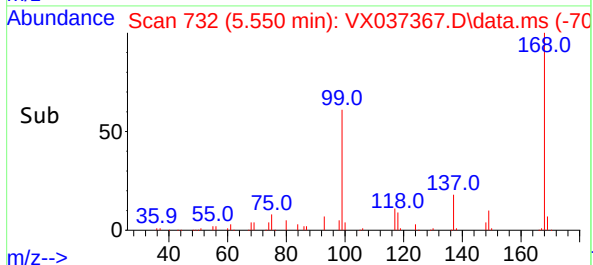
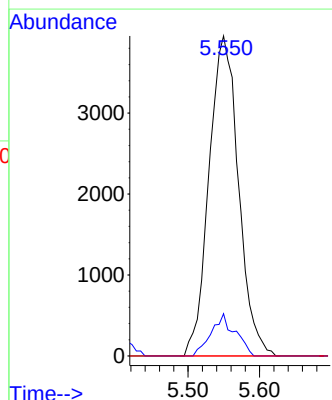
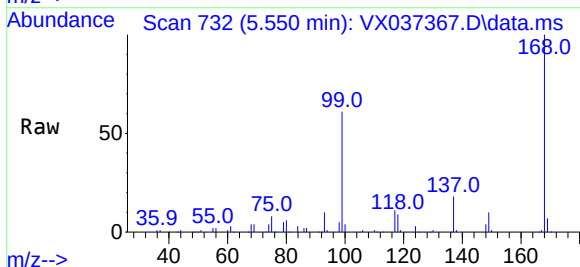
Tgt Ion: 75 Resp: 11320

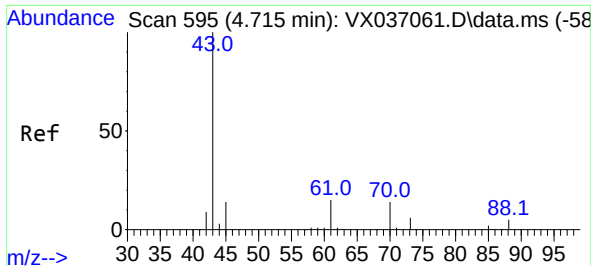
Ion Ratio Lower Upper

75 100

110 10.7 17.0 50.9#

77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 0.735 ug/l

RT: 4.733 min Scan# 595

Delta R.T. 0.018 min

Lab File: VX037367.D

Acq: 30 Aug 2023 03:58

Instrument :

MSVOA_X

ClientSampleId :

OR-309-OK-370-VOC-21

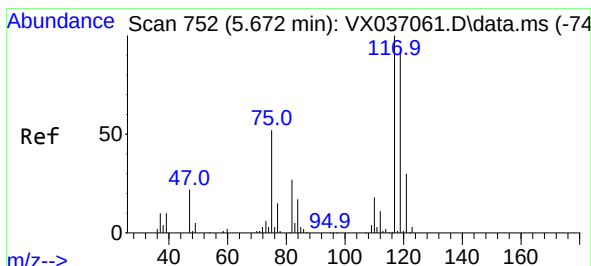
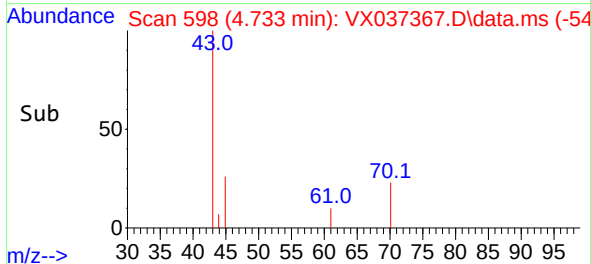
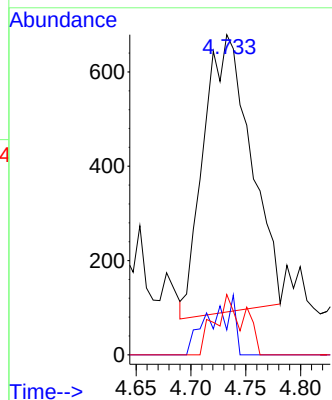
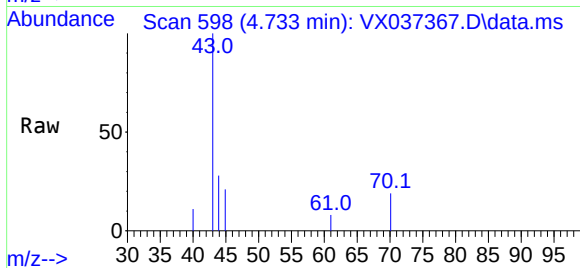
Tgt Ion: 43 Resp: 1759

Ion Ratio Lower Upper

43 100

61 5.9 10.6 16.0#

70 13.4 8.3 12.5#



#38

Carbon Tetrachloride

Concen: 6.215 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.122 min

Lab File: VX037367.D

Acq: 30 Aug 2023 03:58

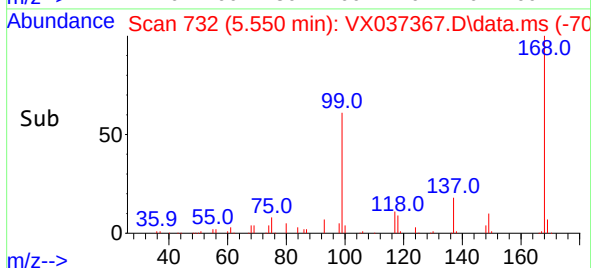
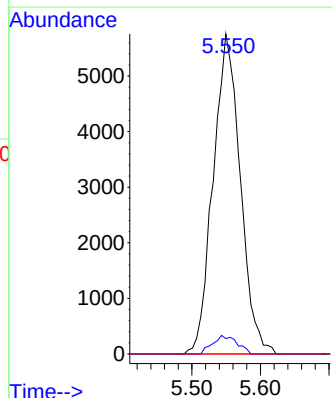
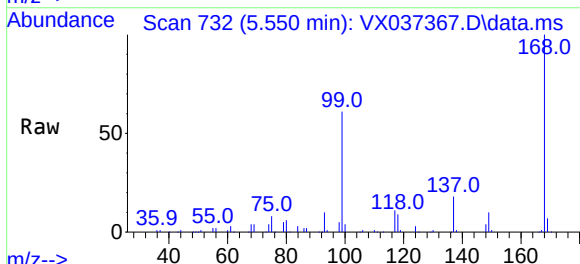
Tgt Ion: 117 Resp: 15815

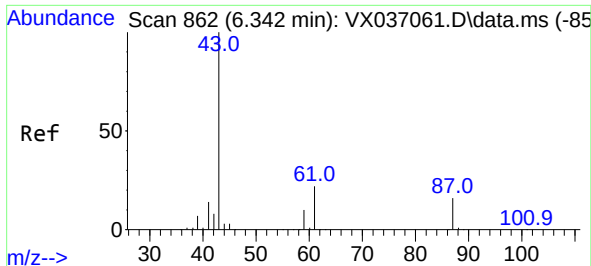
Ion Ratio Lower Upper

117 100

119 4.8 78.2 117.2#

121 0.0 24.4 36.6#

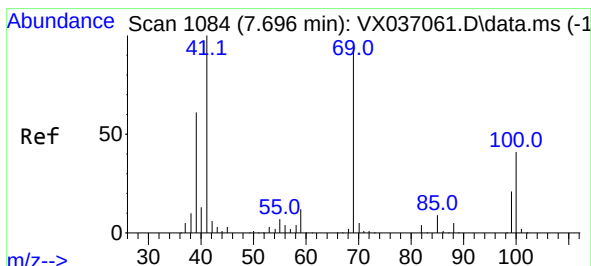
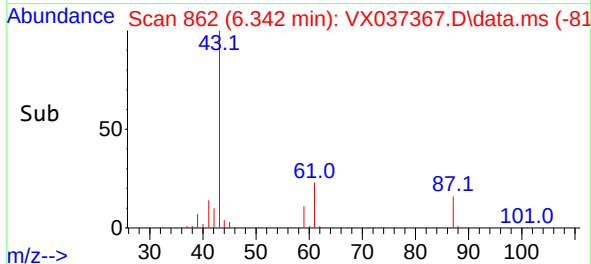
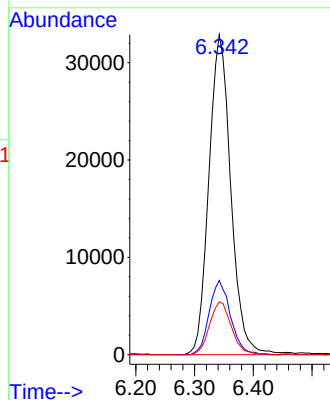
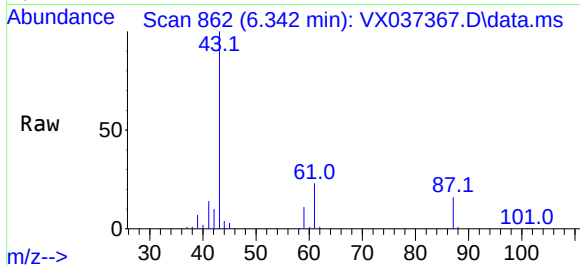




#43
Isopropyl Acetate
Concen: 22.404 ug/l
RT: 6.342 min Scan# 81
Delta R.T. -0.000 min
Lab File: VX037367.D
Acq: 30 Aug 2023 03:58

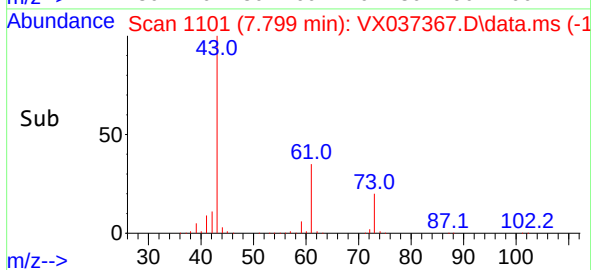
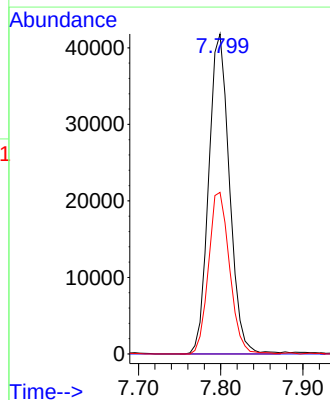
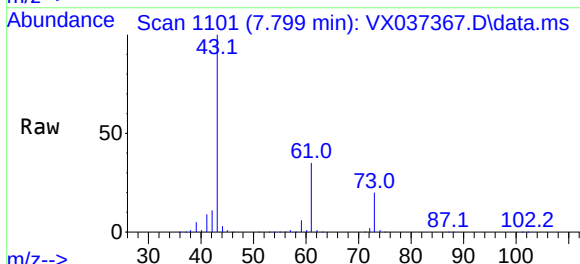
Instrument :
MSVOA_X
ClientSampleId :
OR-309-OK-370-VOC-21

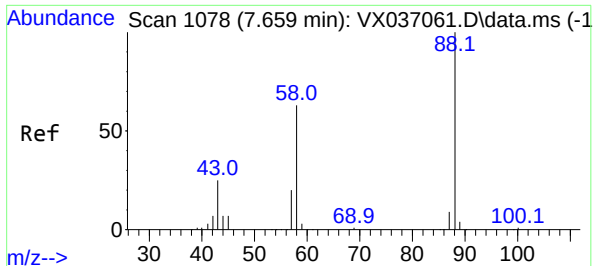
Tgt Ion: 43 Resp: 85111
Ion Ratio Lower Upper
43 100
61 22.6 15.2 22.8
87 16.5 9.8 14.6#



#48
Methyl methacrylate
Concen: 39.592 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.103 min
Lab File: VX037367.D
Acq: 30 Aug 2023 03:58

Tgt Ion: 41 Resp: 73352
Ion Ratio Lower Upper
41 100
69 0.0 59.2 88.8#
39 51.3 47.7 71.5





#49

1,4-Dioxane

Concen: 3.387 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.134 min

Lab File: VX037367.D

Acq: 30 Aug 2023 03:58

Instrument :

MSVOA_X

ClientSampleId :

OR-309-OK-370-VOC-21

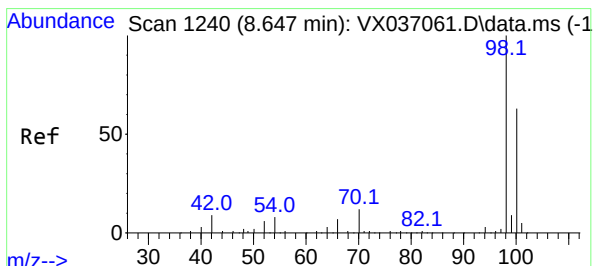
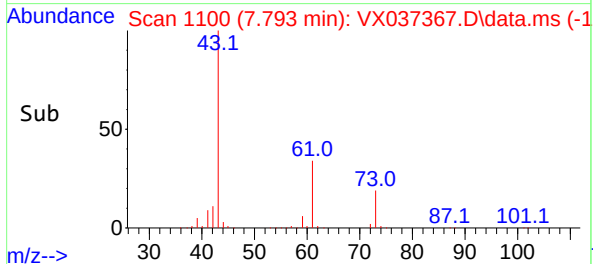
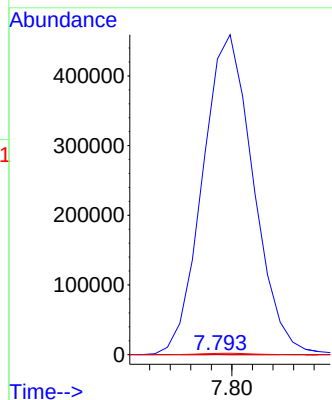
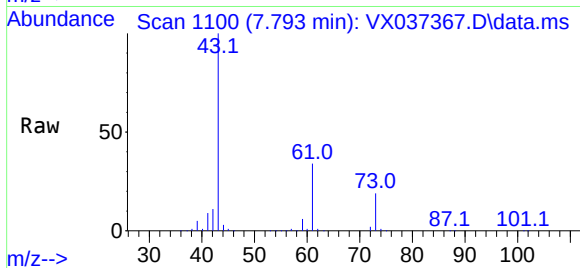
Tgt Ion: 88 Resp: 169

Ion Ratio Lower Upper

88 100

43 469517.2 0.0 0.0#

58 2151.5 60.1 90.1#



#50

Toluene-d8

Concen: 49.712 ug/l

RT: 8.646 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX037367.D

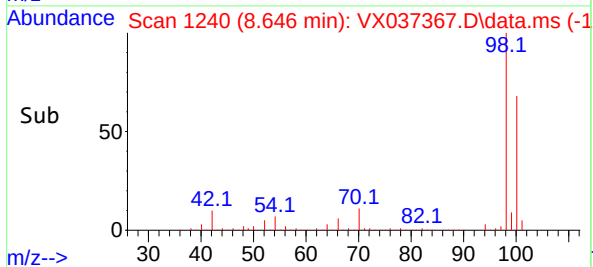
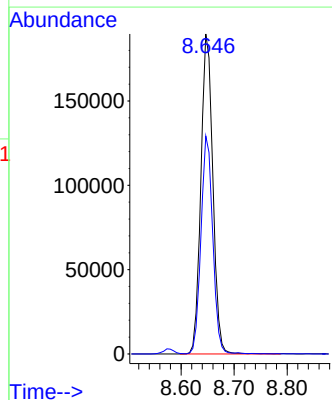
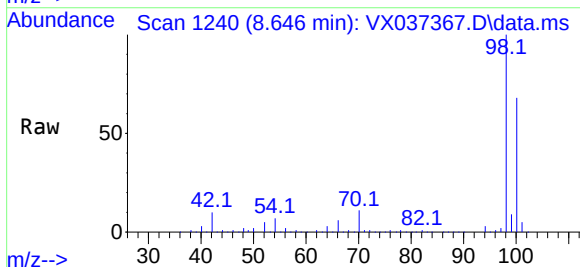
Acq: 30 Aug 2023 03:58

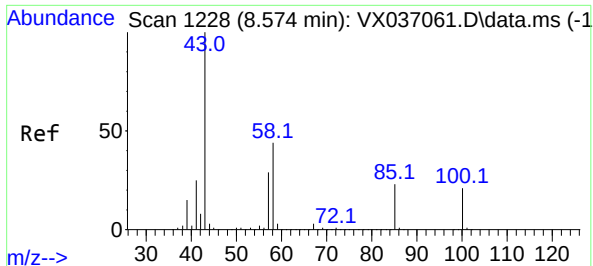
Tgt Ion: 98 Resp: 297320

Ion Ratio Lower Upper

98 100

100 67.2 53.1 79.7





#51

4-Methyl-2-Pentanone

Concen: 36.328 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.025 min

Lab File: VX037367.D

Acq: 30 Aug 2023 03:58

Instrument :

MSVOA_X

ClientSampleId :

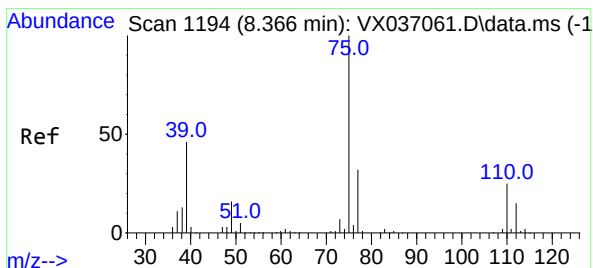
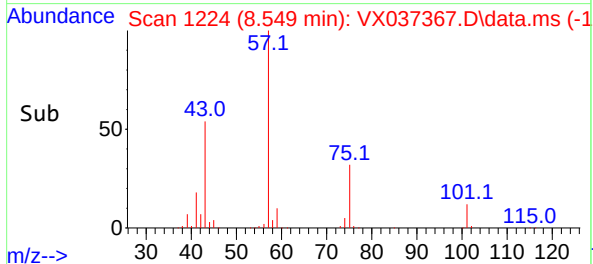
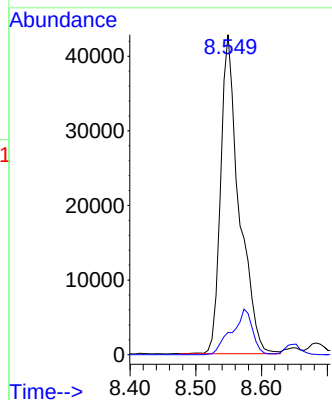
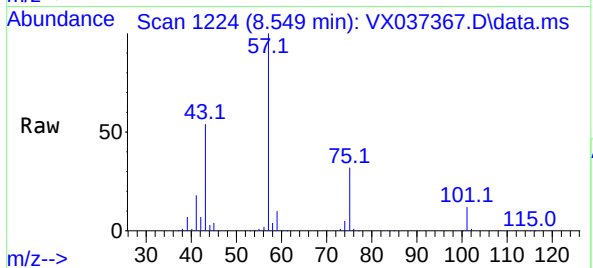
OR-309-OK-370-VOC-21

Tgt Ion: 43 Resp: 83802

Ion Ratio Lower Upper

43 100

58 0.0 30.4 45.6#



#54

cis-1,3-Dichloropropene

Concen: 12.971 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX037367.D

Acq: 30 Aug 2023 03:58

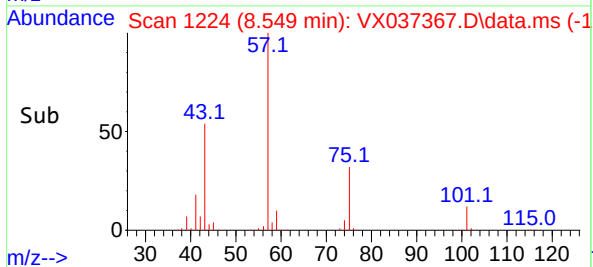
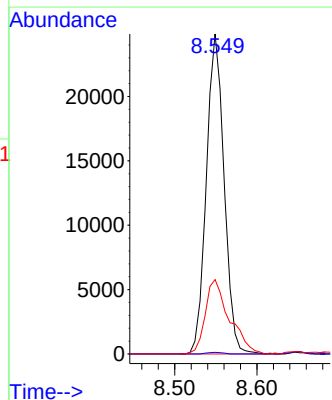
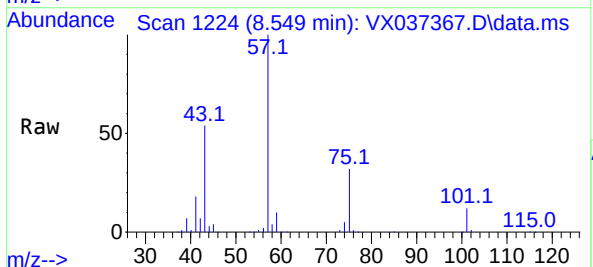
Tgt Ion: 75 Resp: 37305

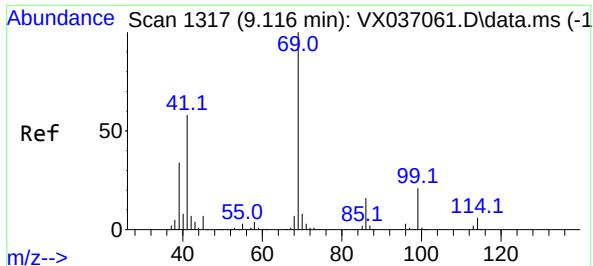
Ion Ratio Lower Upper

75 100

77 0.5 25.3 37.9#

39 23.3 46.7 70.1#

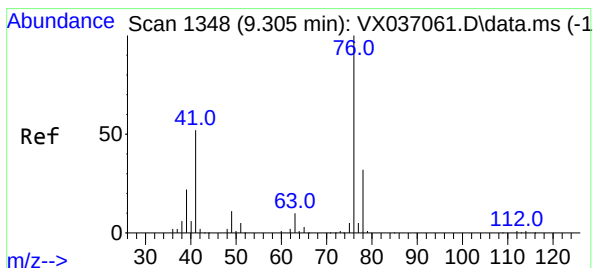
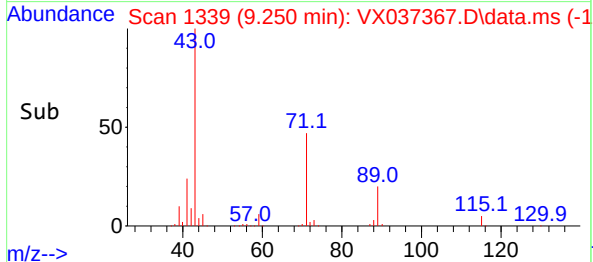
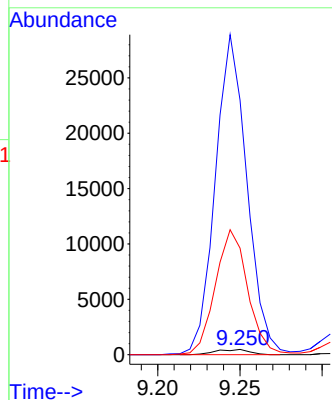
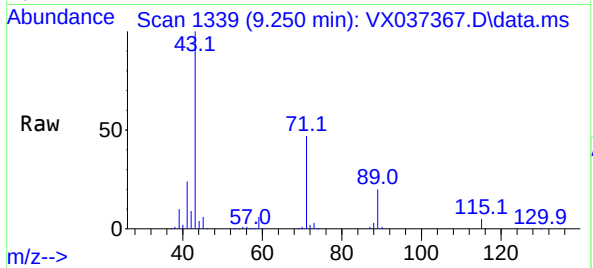




#56
Ethyl methacrylate
Concen: 0.238 ug/l
RT: 9.250 min Scan# 11
Delta R.T. 0.134 min
Lab File: VX037367.D
Acq: 30 Aug 2023 03:58

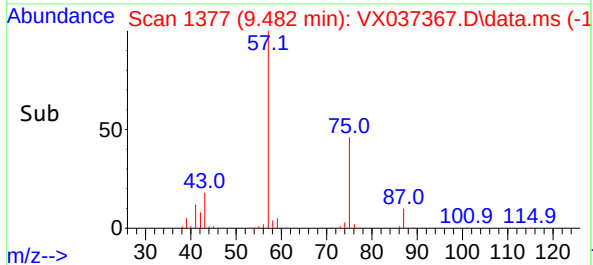
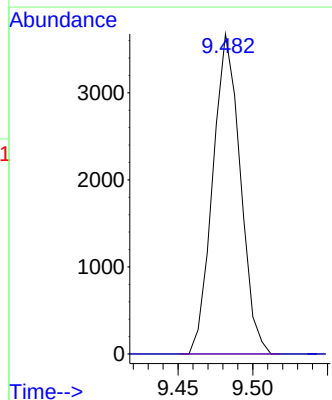
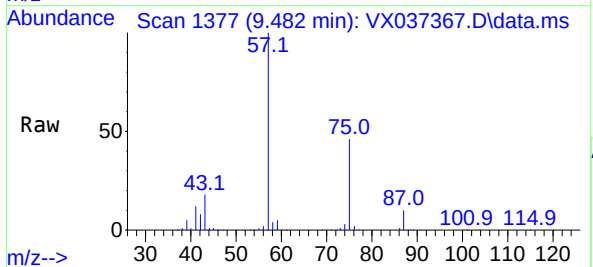
Instrument :
MSVOA_X
ClientSampleId :
OR-309-OK-370-VOC-21

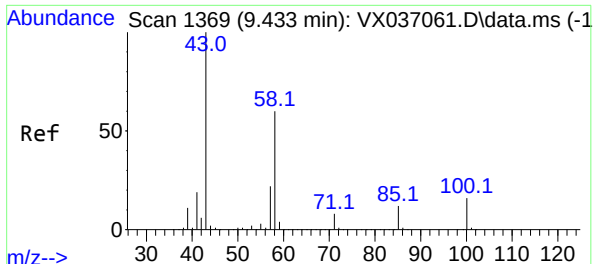
Tgt Ion: 69 Resp: 675
Ion Ratio Lower Upper
69 100
41 5737.5 56.8 85.2#
39 2297.9 32.0 48.0#



#57
1,3-Dichloropropane
Concen: 1.543 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX037367.D
Acq: 30 Aug 2023 03:58

Tgt Ion: 76 Resp: 4702
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#





#59

2-Hexanone

Concen: 31.128 ug/l

RT: 9.482 min Scan# 1

Delta R.T. 0.049 min

Lab File: VX037367.D

Acq: 30 Aug 2023 03:58

Instrument :

MSVOA_X

ClientSampleId :

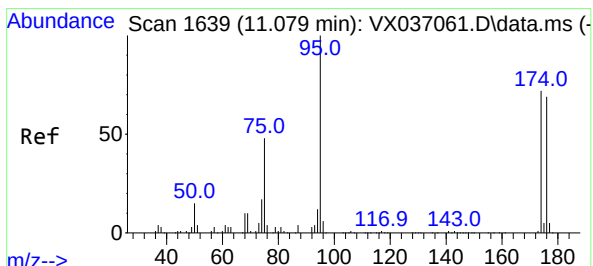
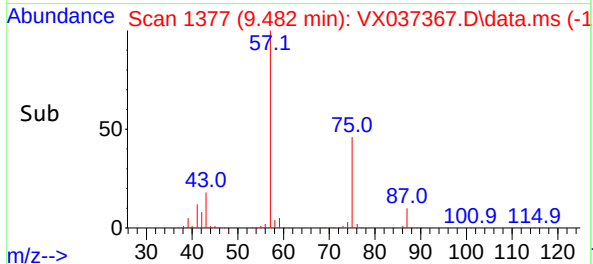
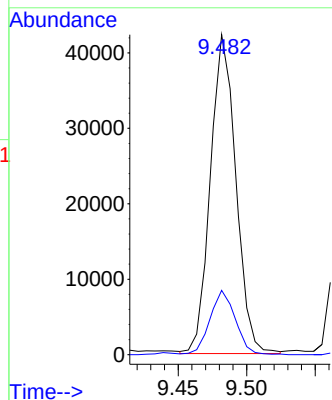
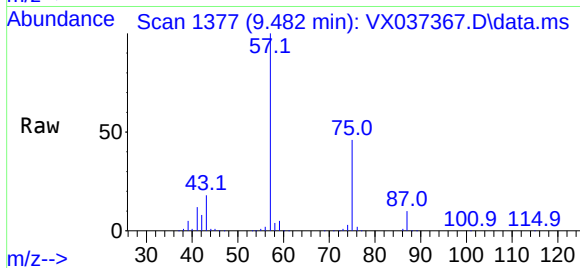
OR-309-OK-370-VOC-21

Tgt Ion: 43 Resp: 54751

Ion Ratio Lower Upper

43 100

58 20.1 26.2 78.5#



#62

4-Bromofluorobenzene

Concen: 47.774 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX037367.D

Acq: 30 Aug 2023 03:58

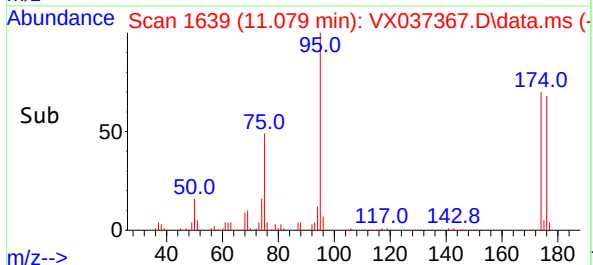
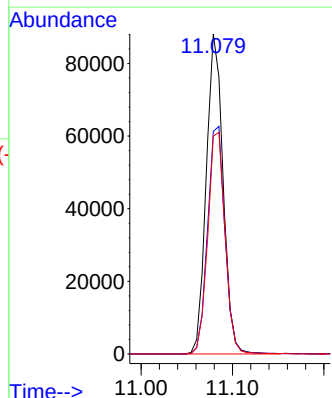
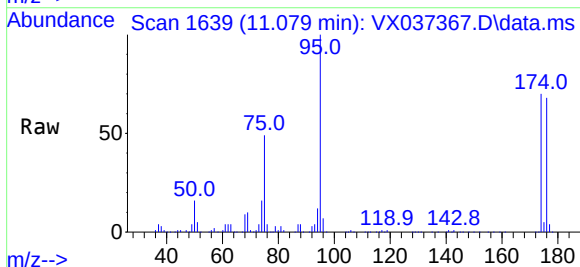
Tgt Ion: 95 Resp: 112286

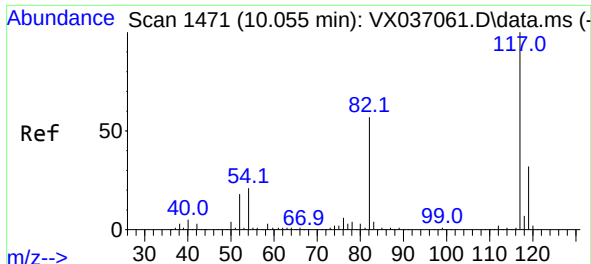
Ion Ratio Lower Upper

95 100

174 73.7 0.0 135.6

176 71.2 0.0 131.0

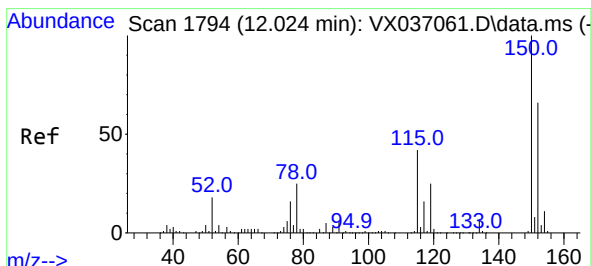
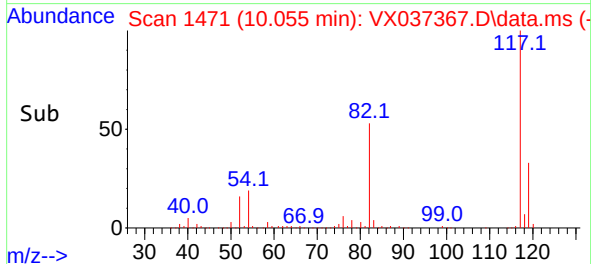
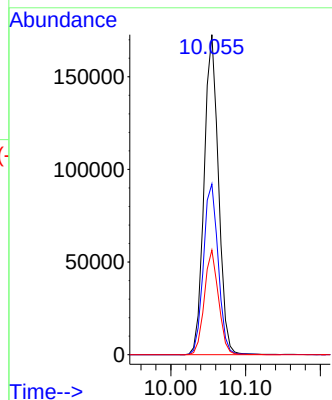
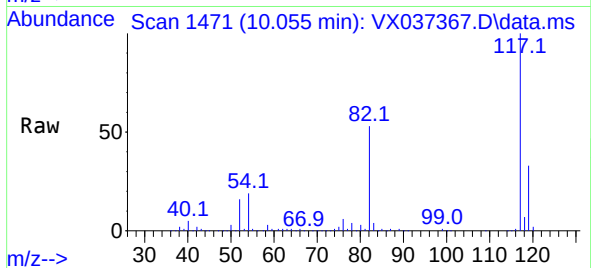




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX037367.D
Acq: 30 Aug 2023 03:58

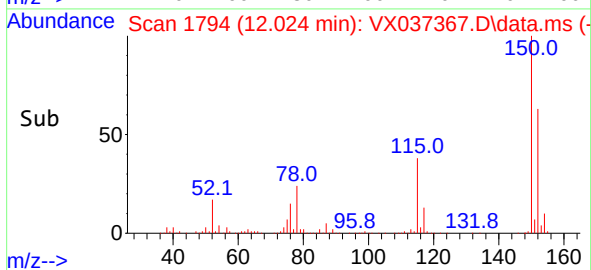
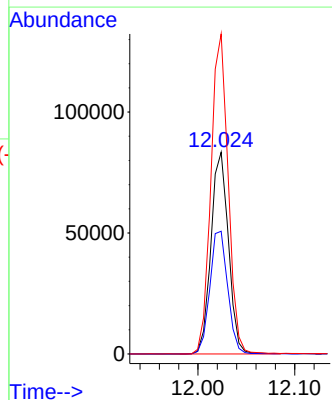
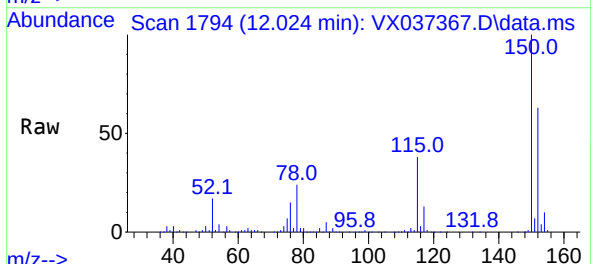
Instrument :
MSVOA_X
ClientSampleId :
OR-309-OK-370-VOC-21

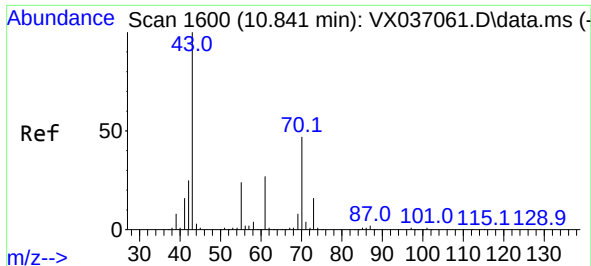
Tgt Ion:117 Resp: 229995
Ion Ratio Lower Upper
117 100
82 53.4 46.2 69.4
119 32.7 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX037367.D
Acq: 30 Aug 2023 03:58

Tgt Ion:152 Resp: 104907
Ion Ratio Lower Upper
152 100
115 62.3 43.3 129.9
150 156.7 0.0 345.0

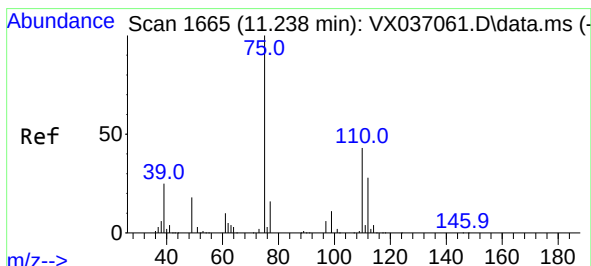
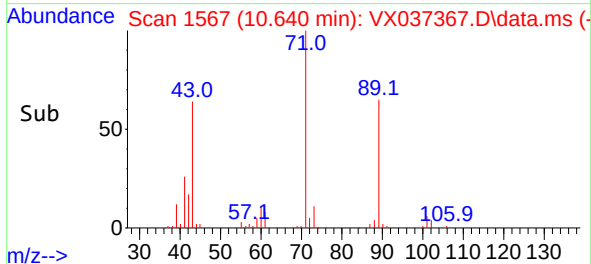
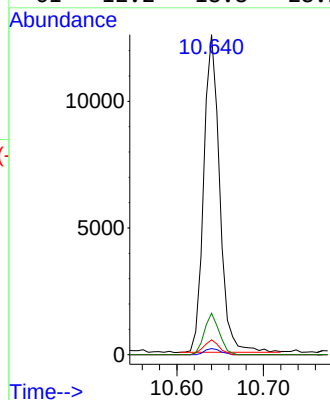
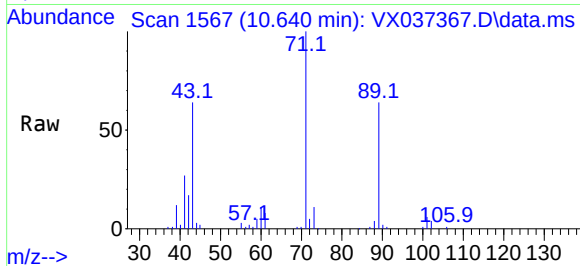




#74
N-amy1 acetate
Concen: 5.404 ug/l
RT: 10.640 min Scan# 1600
Delta R.T. -0.201 min
Lab File: VX037367.D
Acq: 30 Aug 2023 03:58

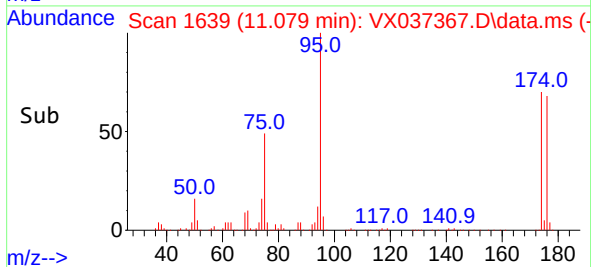
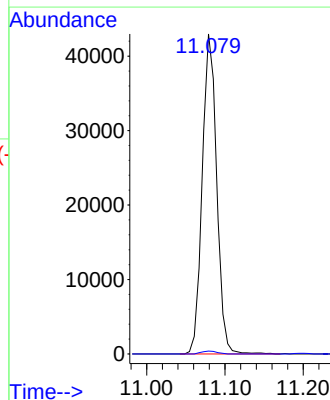
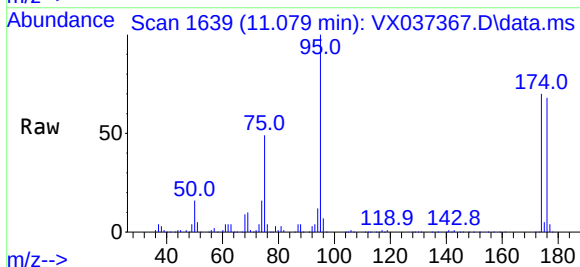
Instrument : MSVOA_X
ClientSampleId : OR-309-OK-370-VOC-21

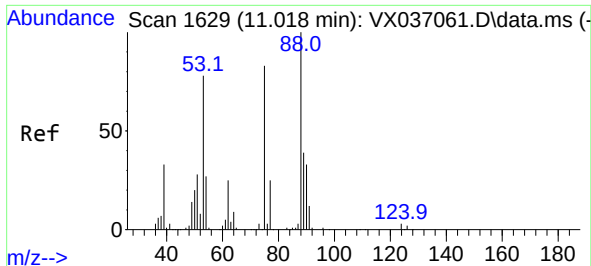
Tgt Ion: 43	Resp: 16010
Ion Ratio	Lower Upper
43 100	
70 1.9	32.9 49.3#
55 4.5	19.3 28.9#
61 12.2	18.8 28.2#



#76
1,2,3-Trichloropropane
Concen: 24.631 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX037367.D
Acq: 30 Aug 2023 03:58

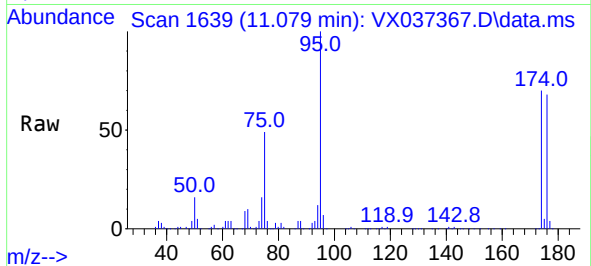
Tgt Ion: 75	Resp: 55031
Ion Ratio	Lower Upper
75 100	
77 1.0	19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.797 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX037367.D
 Acq: 30 Aug 2023 03:58

Instrument :
 MSVOA_X
 ClientSampleId :
 OR-309-OK-370-VOC-21



Tgt Ion: 75 Resp: 55031
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

