

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082923\
 Data File : VX037368.D
 Acq On : 30 Aug 2023 04:22
 Operator : JC/MD
 Sample : 04197-18
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OR-309-OK-370-VOC-22

Quant Time: Aug 30 04:53:52 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)

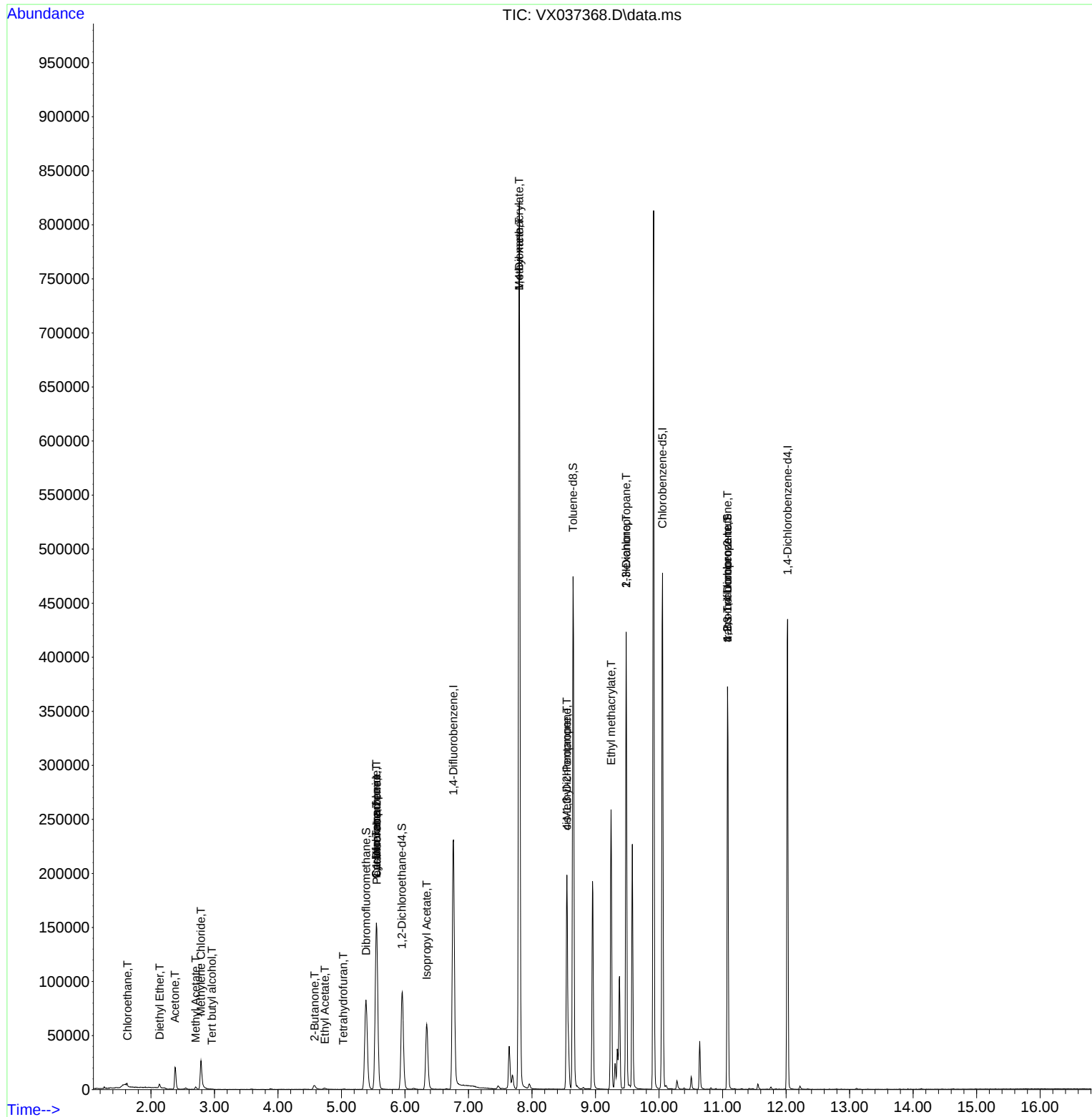
Internal Standards						
1) Pentafluorobenzene	5.556	168	147135	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	242951	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	220103	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	94536	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	90973	42.887	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	85.780%
35) Dibromofluoromethane	5.385	113	74484	46.292	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.580%
50) Toluene-d8	8.647	98	289482	49.599	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.200%
62) 4-Bromofluorobenzene	11.079	95	102353	44.624	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	89.240%
Target Compounds						
					Qvalue	
6) Chloroethane	1.630	64	240	0.251	ug/l #	43
8) Diethyl Ether	2.136	74	1131	1.096	ug/l	93
11) Tert butyl alcohol	2.959	59	490	0.985	ug/l #	78
16) Acetone	2.380	43	22084	26.612	ug/l #	89
18) Methyl Acetate	2.703	43	2848	0.912	ug/l	95
20) Methylene Chloride	2.788	84	15740	8.482	ug/l #	84
25) 2-Butanone	4.574	43	7595	6.078	ug/l	95
29) Tetrahydrofuran	5.025	42	209	0.262	ug/l #	66
31) Cyclohexane	5.550	56	2817	1.181	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	11620	5.083	ug/l #	50
37) Ethyl Acetate	4.739	43	2278	0.976	ug/l	95
38) Carbon Tetrachloride	5.550	117	15586	6.277	ug/l #	15
43) Isopropyl Acetate	6.342	43	81274	21.923	ug/l #	91
48) Methyl methacrylate	7.799	41	66336	36.691	ug/l #	46
49) 1,4-Dioxane	7.799	88	75	1.540	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	78587	34.909	ug/l #	37
54) cis-1,3-Dichloropropene	8.549	75	34873	12.425	ug/l #	49
56) Ethyl methacrylate	9.244	69	609	0.220	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	3928	1.321	ug/l #	42
59) 2-Hexanone	9.482	43	44490	25.920	ug/l #	57
76) 1,2,3-Trichloropropane	11.079	75	51206	25.434	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	51206	71.038	ug/l #	5

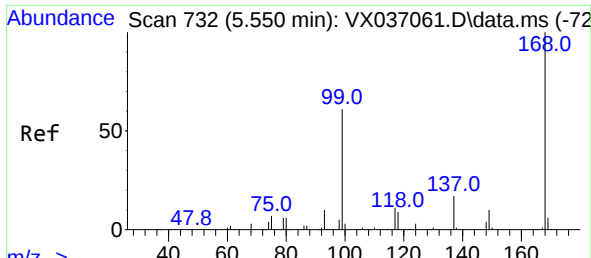
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082923\
Data File : VX037368.D
Acq On : 30 Aug 2023 04:22
Operator : JC/MD
Sample : 04197-18
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 46 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
OR-309-OK-370-VOC-22

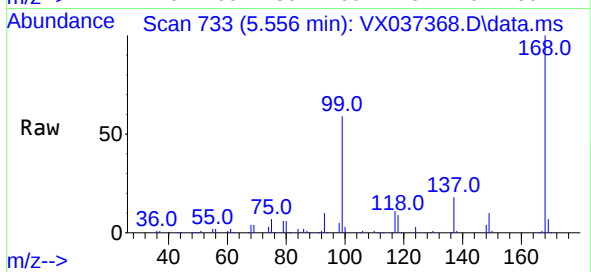
Quant Time: Aug 30 04:53:52 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 18 09:30:38 2023
Response via : Initial Calibration



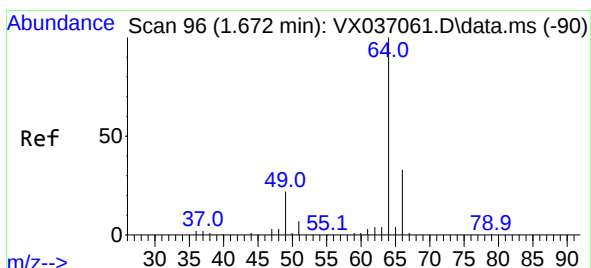
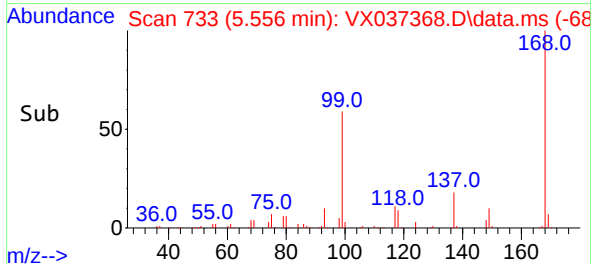
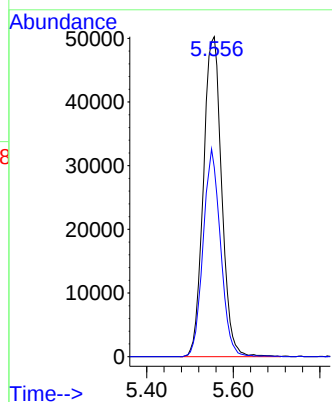


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX037368.D
Acq: 30 Aug 2023 04:22

Instrument :
MSVOA_X
ClientSampleId :
OR-309-OK-370-VOC-22

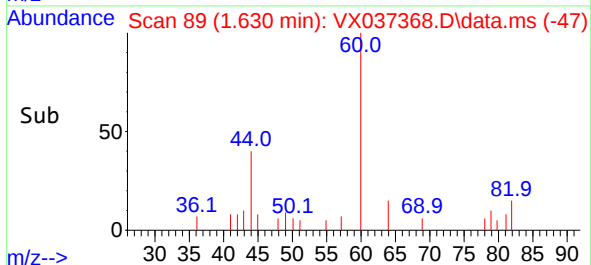
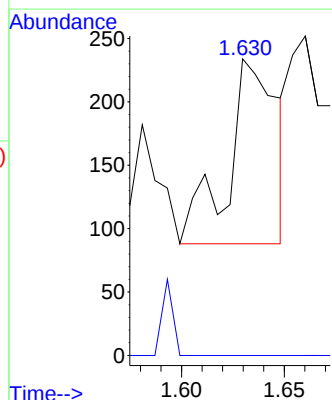
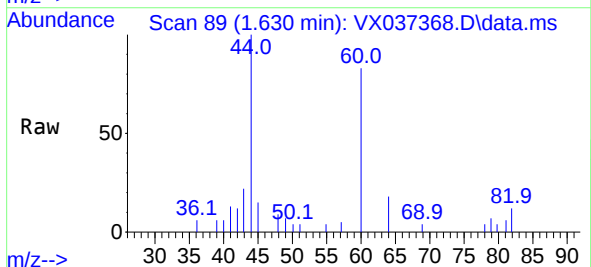


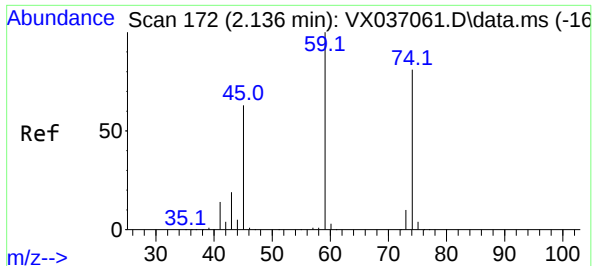
Tgt Ion:168 Resp: 147135
Ion Ratio Lower Upper
168 100
99 59.1 56.6 85.0



#6
Chloroethane
Concen: 0.251 ug/l
RT: 1.630 min Scan# 89
Delta R.T. -0.042 min
Lab File: VX037368.D
Acq: 30 Aug 2023 04:22

Tgt Ion: 64 Resp: 240
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#

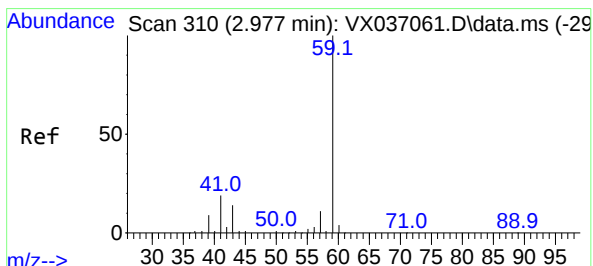
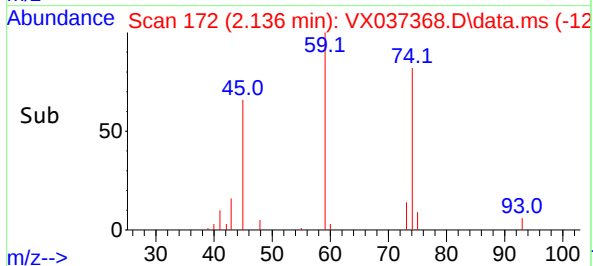
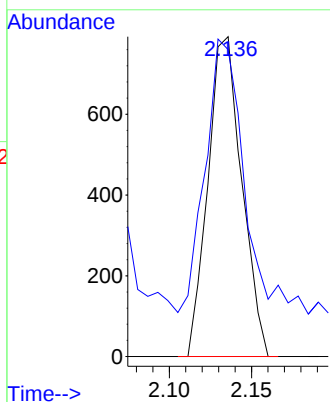
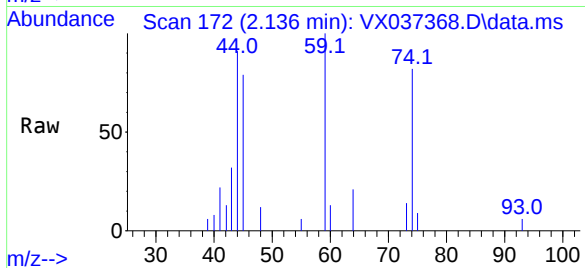




#8
Diethyl Ether
Concen: 1.096 ug/l
RT: 2.136 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX037368.D
Acq: 30 Aug 2023 04:22

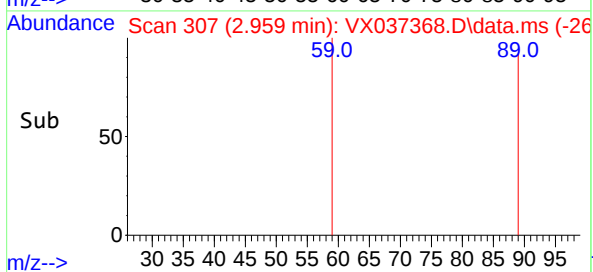
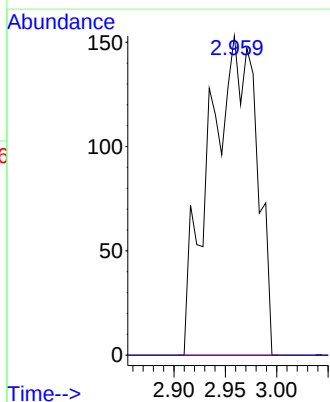
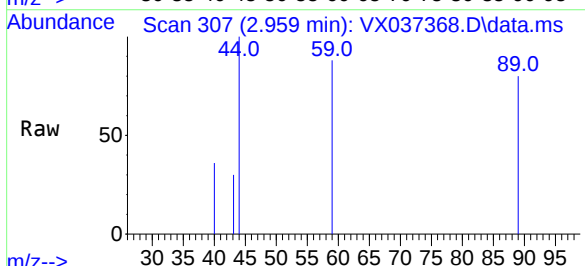
Instrument :
MSVOA_X
ClientSampleId :
OR-309-OK-370-VOC-22

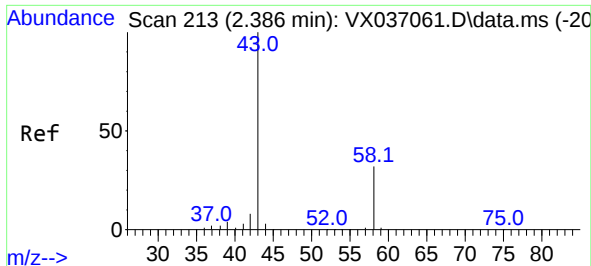
Tgt Ion: 74 Resp: 1131
Ion Ratio Lower Upper
74 100
45 99.4 53.3 159.8



#11
Tert butyl alcohol
Concen: 0.985 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.018 min
Lab File: VX037368.D
Acq: 30 Aug 2023 04:22

Tgt Ion: 59 Resp: 490
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

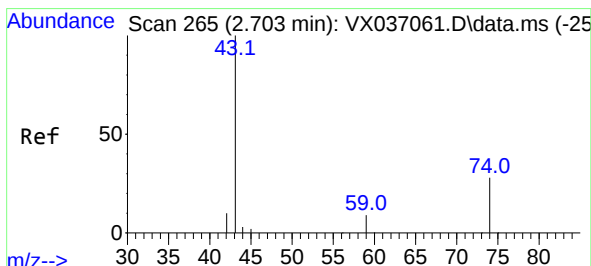
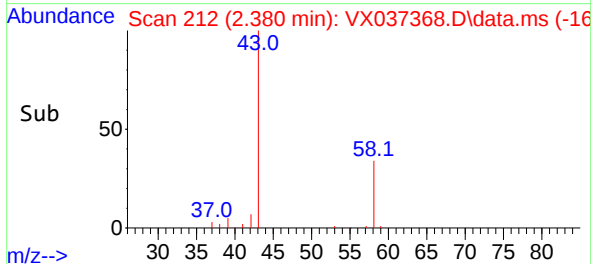
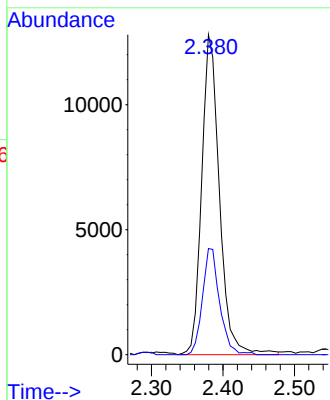
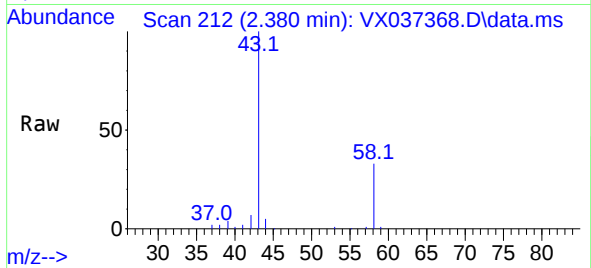




#16
Acetone
Concen: 26.612 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX037368.D
Acq: 30 Aug 2023 04:22

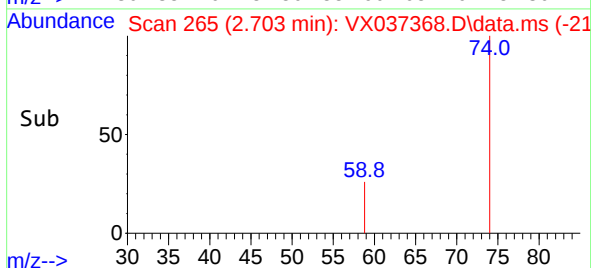
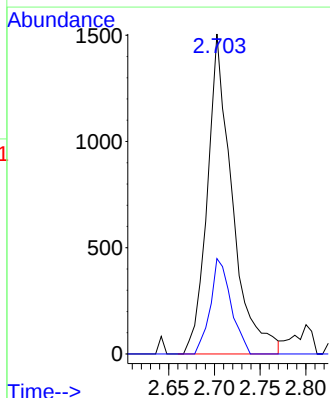
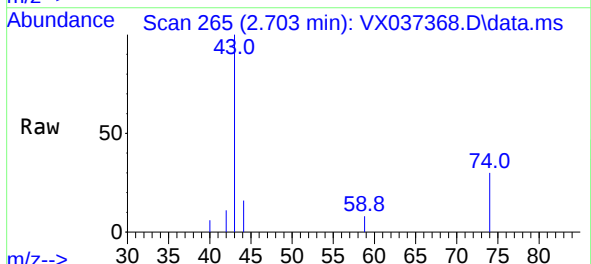
Instrument :
MSVOA_X
ClientSampleId :
OR-309-OK-370-VOC-22

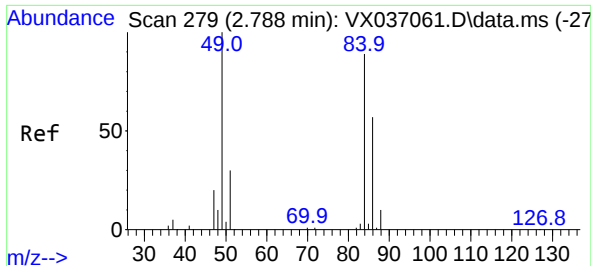
Tgt Ion: 43 Resp: 22084
Ion Ratio Lower Upper
43 100
58 33.2 21.9 32.9#



#18
Methyl Acetate
Concen: 0.912 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX037368.D
Acq: 30 Aug 2023 04:22

Tgt Ion: 43 Resp: 2848
Ion Ratio Lower Upper
43 100
74 24.8 17.8 26.8

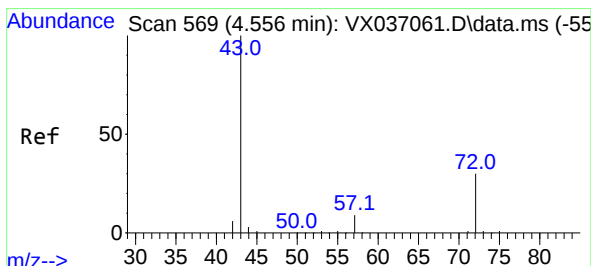
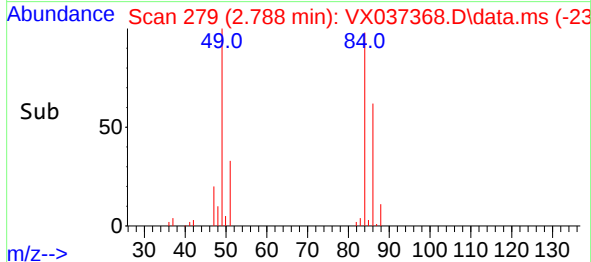
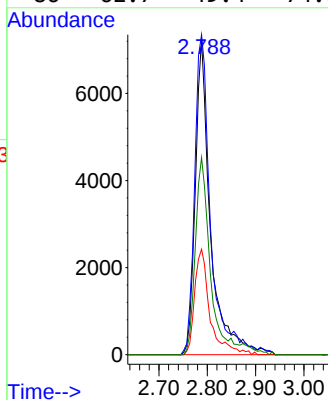
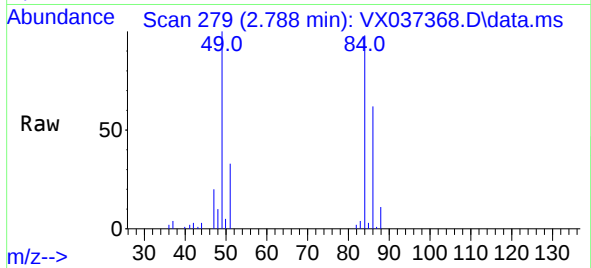




#20
Methylene Chloride
Concen: 8.482 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX037368.D
Acq: 30 Aug 2023 04:22

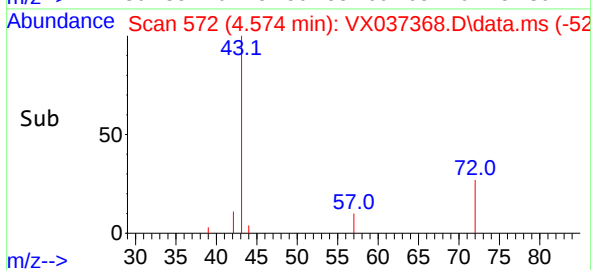
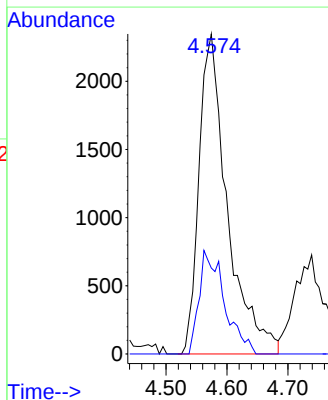
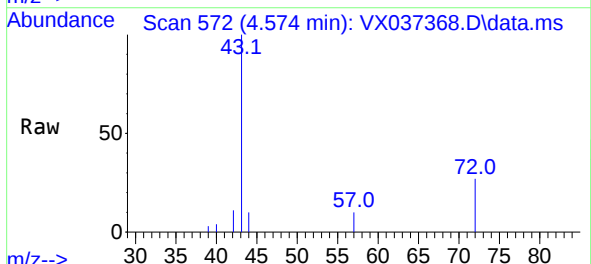
Instrument :
MSVOA_X
ClientSampleId :
OR-309-OK-370-VOC-22

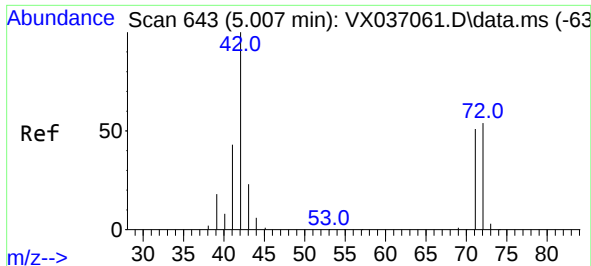
Tgt Ion: 84 Resp: 15740
Ion Ratio Lower Upper
84 100
49 101.8 103.6 155.4#
51 33.5 33.8 50.6#
86 62.7 49.4 74.0



#25
2-Butanone
Concen: 6.078 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.018 min
Lab File: VX037368.D
Acq: 30 Aug 2023 04:22

Tgt Ion: 43 Resp: 7595
Ion Ratio Lower Upper
43 100
72 26.9 19.4 29.2





#29

Tetrahydrofuran

Concen: 0.262 ug/l

RT: 5.025 min Scan# 64

Delta R.T. 0.018 min

Lab File: VX037368.D

Acq: 30 Aug 2023 04:22

Instrument :

MSVOA_X

ClientSampleId :

OR-309-OK-370-VOC-22

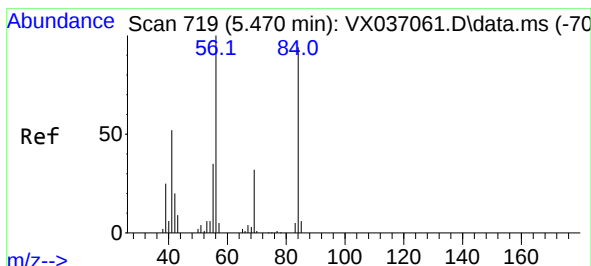
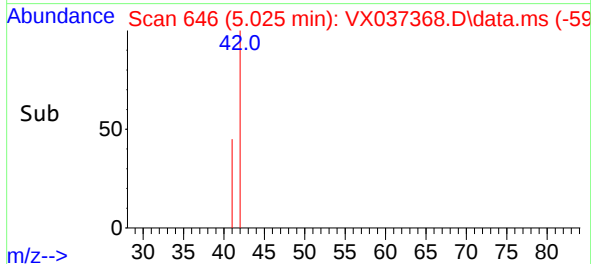
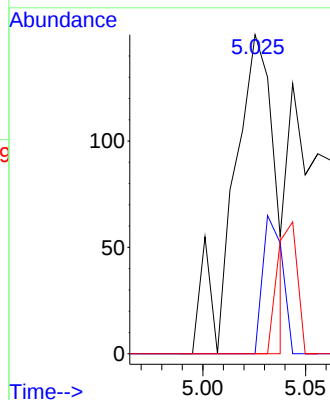
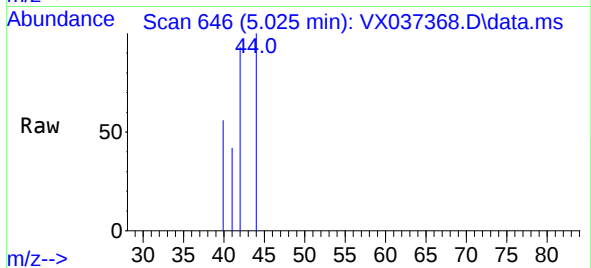
Tgt Ion: 42 Resp: 209

Ion Ratio Lower Upper

42 100

72 20.6 34.2 51.4#

71 20.1 32.2 48.2#



#31

Cyclohexane

Concen: 1.181 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.079 min

Lab File: VX037368.D

Acq: 30 Aug 2023 04:22

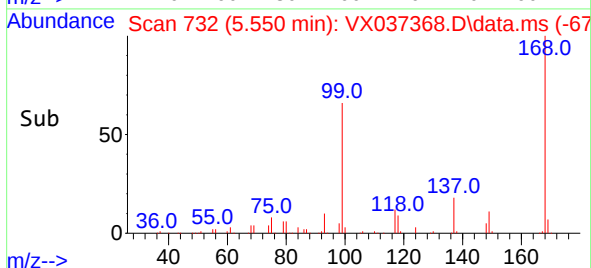
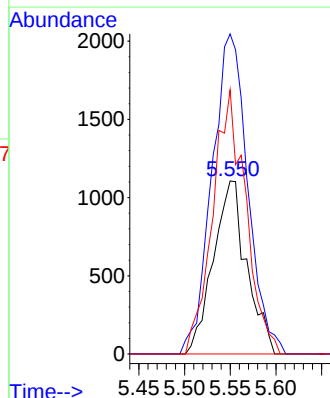
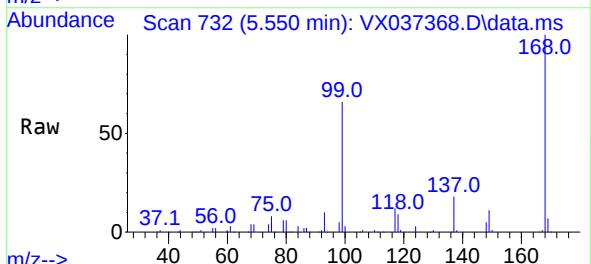
Tgt Ion: 56 Resp: 2817

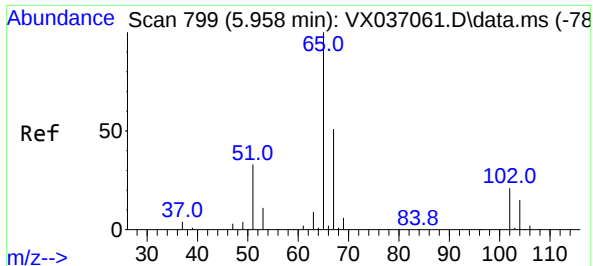
Ion Ratio Lower Upper

56 100

69 185.0 23.4 35.2#

84 152.7 65.9 98.9#

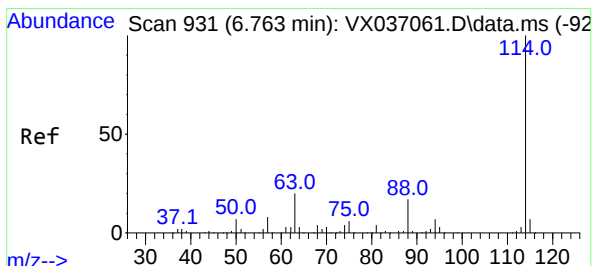
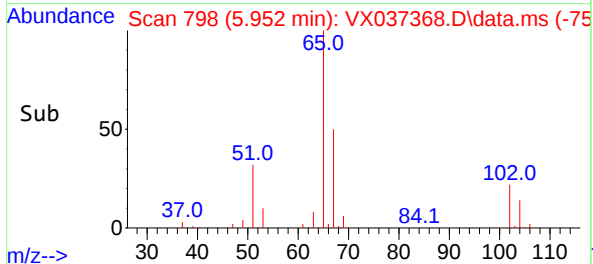
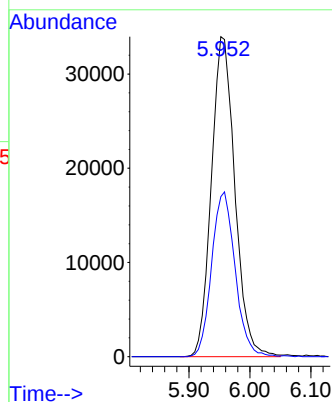
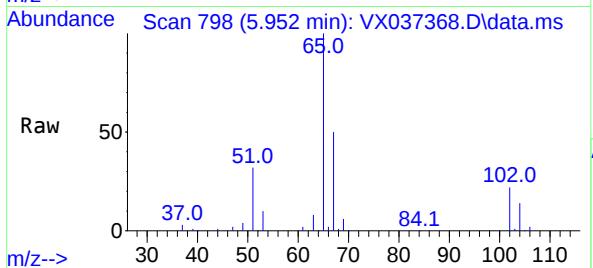




#33
1,2-Dichloroethane-d4
Concen: 42.887 ug/l
RT: 5.952 min Scan# 799
Delta R.T. -0.006 min
Lab File: VX037368.D
Acq: 30 Aug 2023 04:22

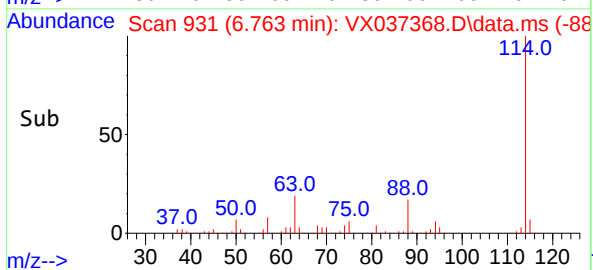
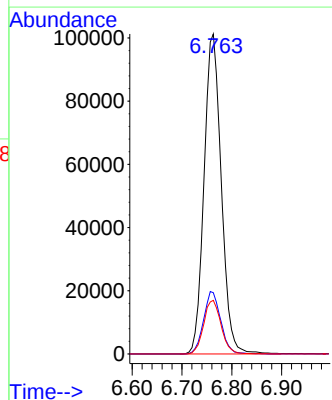
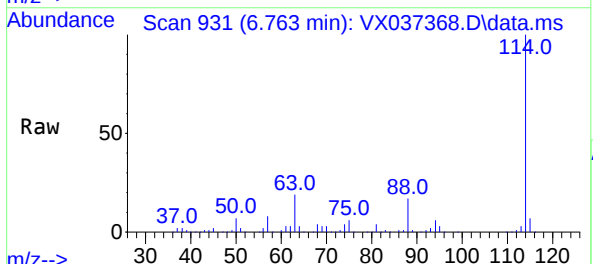
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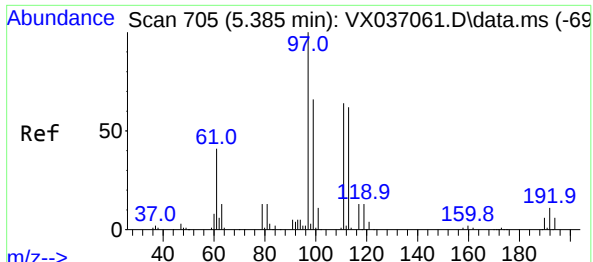
Tgt Ion: 65 Resp: 90973
Ion Ratio Lower Upper
65 100
67 51.5 0.0 100.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.000 min
Lab File: VX037368.D
Acq: 30 Aug 2023 04:22

Tgt Ion: 114 Resp: 242951
Ion Ratio Lower Upper
114 100
63 19.2 0.0 45.0
88 16.7 0.0 36.6

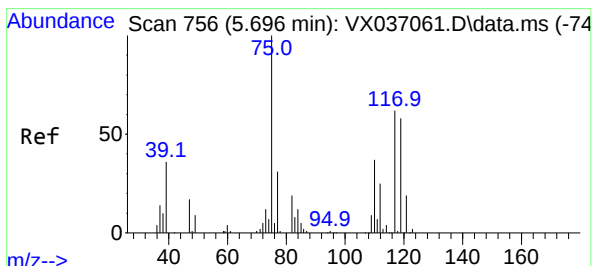
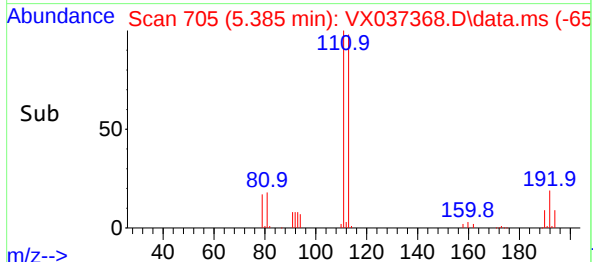
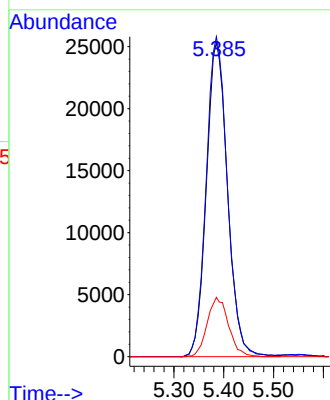
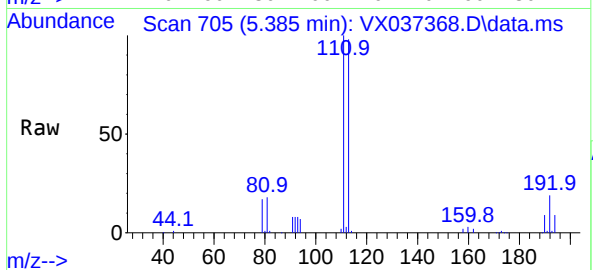




#35
Dibromofluoromethane
Concen: 46.292 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX037368.D
Acq: 30 Aug 2023 04:22

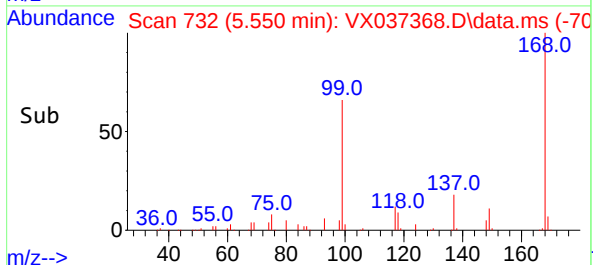
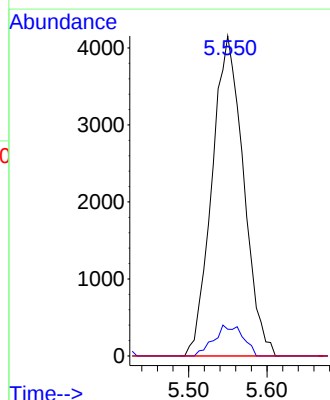
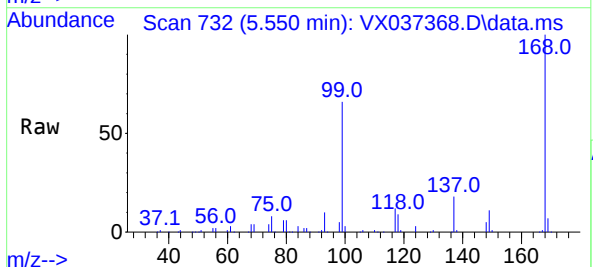
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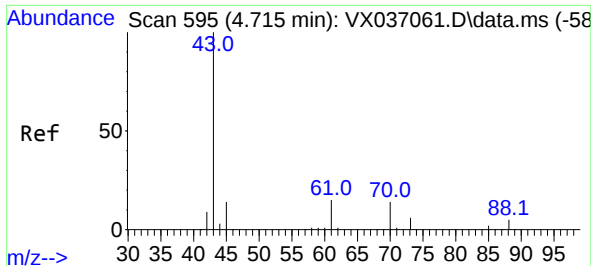
Tgt Ion:	113	Resp:	74484
Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.9	124.3
192	19.0	13.3	19.9



#36
1,1-Dichloropropene
Concen: 5.083 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX037368.D
Acq: 30 Aug 2023 04:22

Tgt Ion:	75	Resp:	11620
Ion	Ratio	Lower	Upper
75	100		
110	8.8	17.0	50.9#
77	0.0	24.7	37.1#

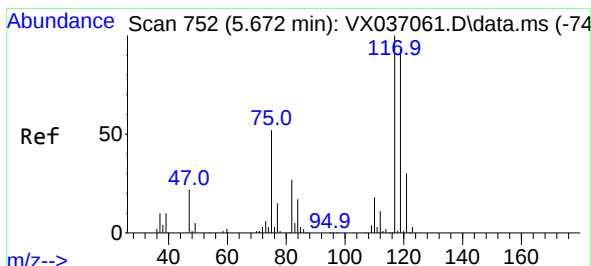
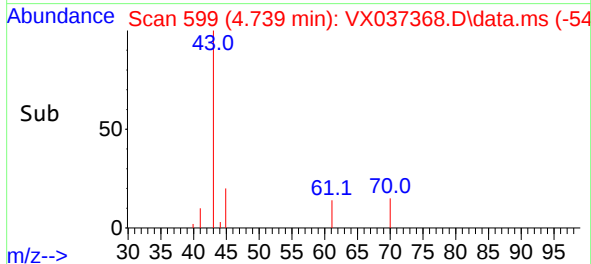
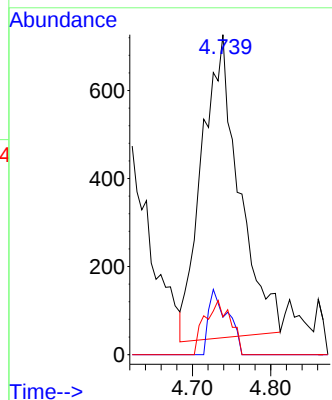
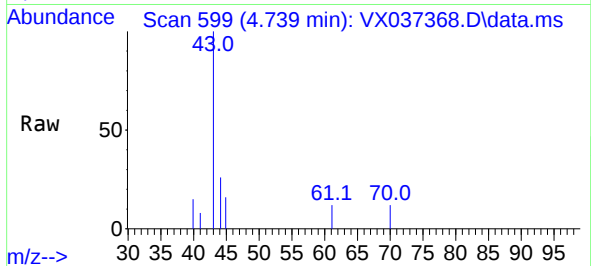




#37
Ethyl Acetate
Concen: 0.976 ug/l
RT: 4.739 min Scan# 51
Delta R.T. 0.024 min
Lab File: VX037368.D
Acq: 30 Aug 2023 04:22

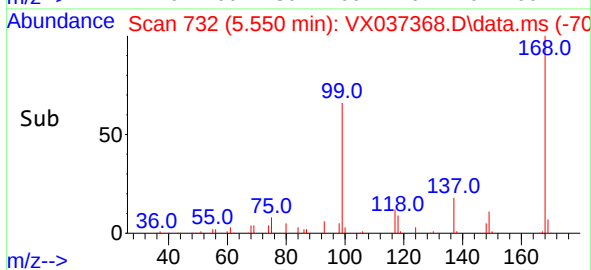
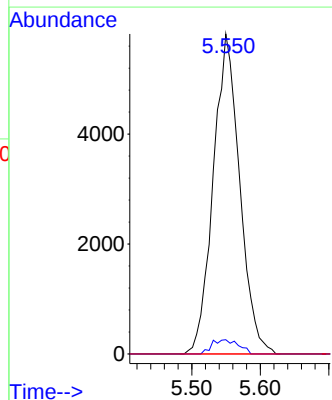
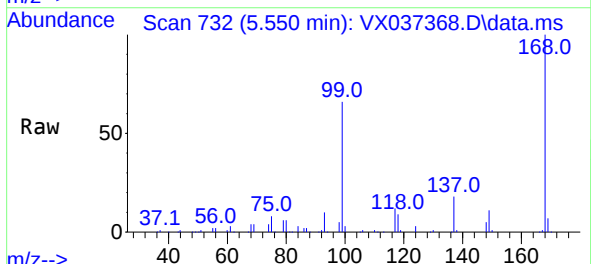
Instrument :
MSVOA_X
ClientSampleId :
OR-309-OK-370-VOC-22

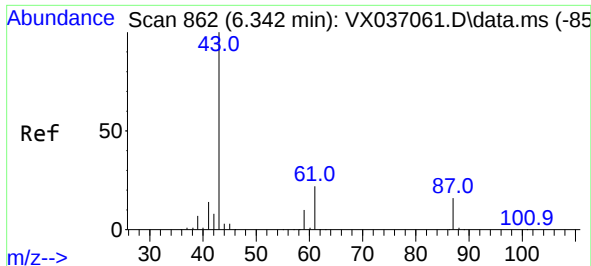
Tgt Ion: 43 Resp: 2278
Ion Ratio Lower Upper
43 100
61 11.0 10.6 16.0
70 12.3 8.3 12.5



#38
Carbon Tetrachloride
Concen: 6.277 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.122 min
Lab File: VX037368.D
Acq: 30 Aug 2023 04:22

Tgt Ion: 117 Resp: 15586
Ion Ratio Lower Upper
117 100
119 4.5 78.2 117.2#
121 0.0 24.4 36.6#

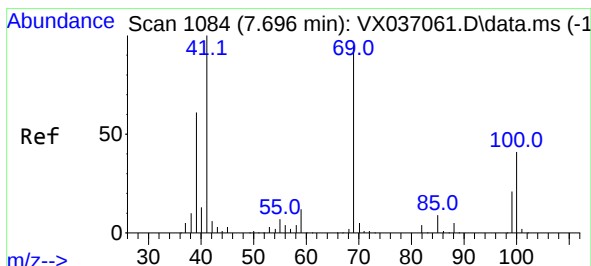
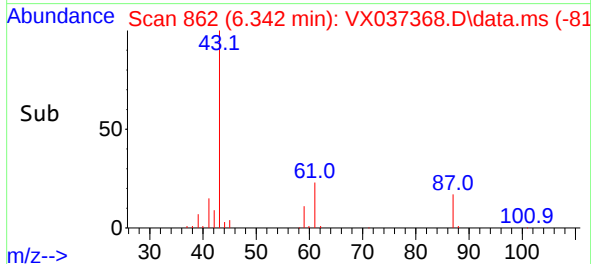
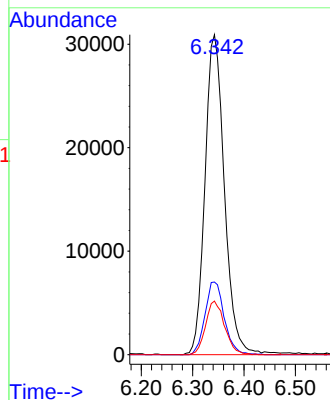
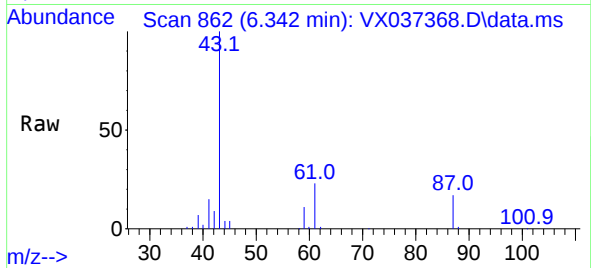




#43
Isopropyl Acetate
Concen: 21.923 ug/l
RT: 6.342 min Scan# 81
Delta R.T. -0.000 min
Lab File: VX037368.D
Acq: 30 Aug 2023 04:22

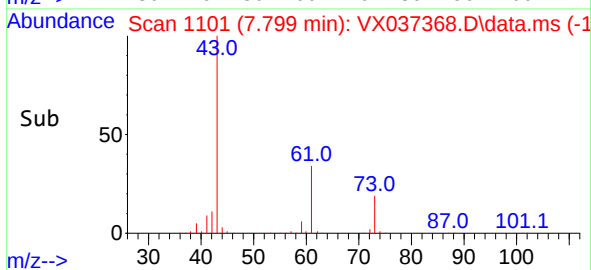
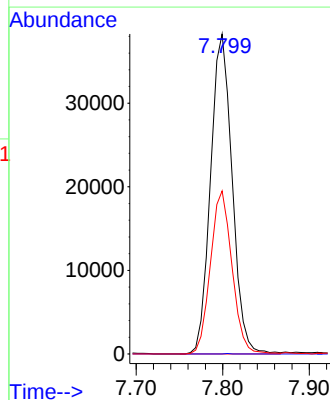
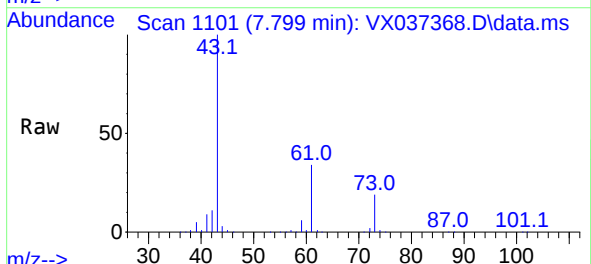
Instrument :
MSVOA_X
ClientSampleId :
OR-309-OK-370-VOC-22

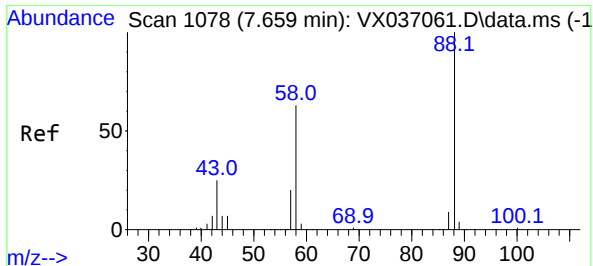
Tgt Ion: 43 Resp: 81274
Ion Ratio Lower Upper
43 100
61 22.5 15.2 22.8
87 16.4 9.8 14.6#



#48
Methyl methacrylate
Concen: 36.691 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX037368.D
Acq: 30 Aug 2023 04:22

Tgt Ion: 41 Resp: 66336
Ion Ratio Lower Upper
41 100
69 0.0 59.2 88.8#
39 50.9 47.7 71.5

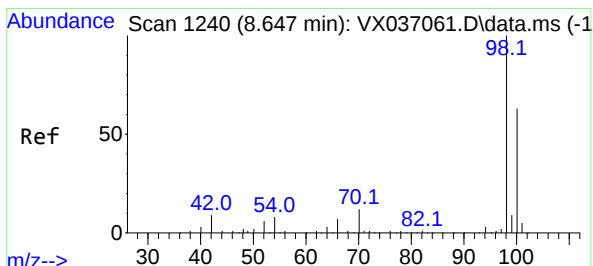
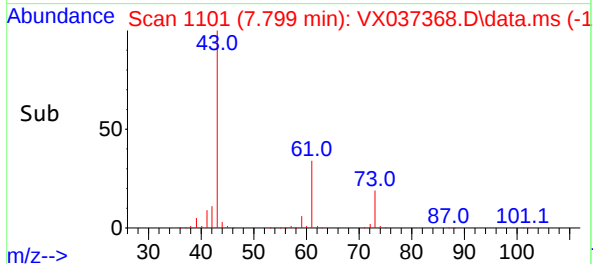
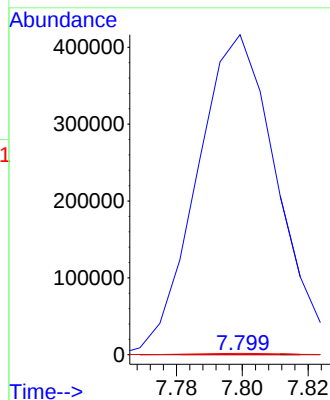
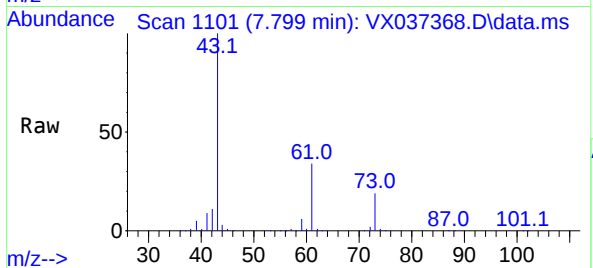




#49
1,4-Dioxane
Concen: 1.540 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.140 min
Lab File: VX037368.D
Acq: 30 Aug 2023 04:22

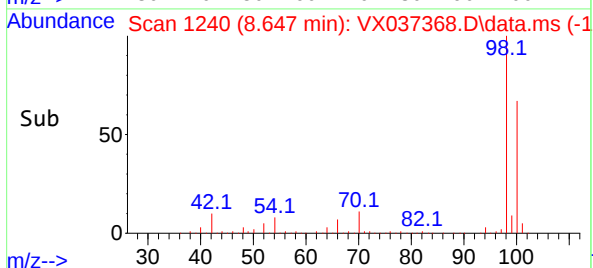
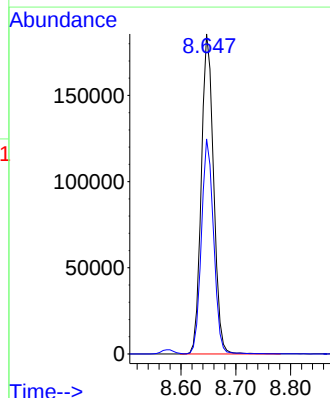
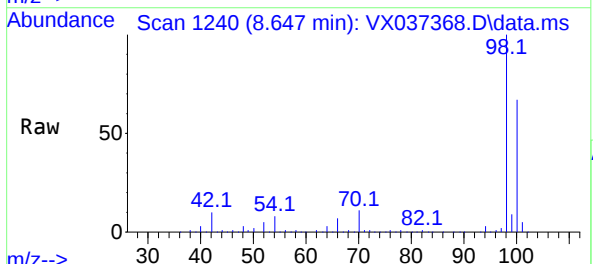
Instrument :
MSVOA_X
ClientSampleId :
OR-309-OK-370-VOC-22

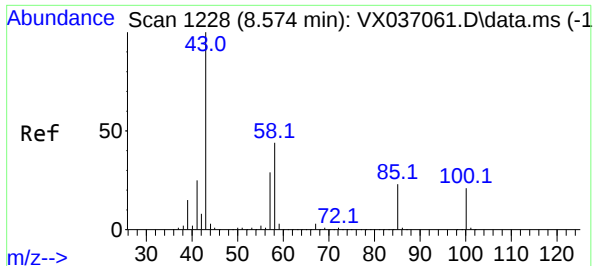
Tgt Ion: 88 Resp: 75
Ion Ratio Lower Upper
88 100
43 955448.0 0.0 0.0#
58 4269.3 60.1 90.1#



#50
Toluene-d8
Concen: 49.599 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX037368.D
Acq: 30 Aug 2023 04:22

Tgt Ion: 98 Resp: 289482
Ion Ratio Lower Upper
98 100
100 66.6 53.1 79.7





#51

4-Methyl-2-Pentanone

Concen: 34.909 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.024 min

Lab File: VX037368.D

Acq: 30 Aug 2023 04:22

Instrument :

MSVOA_X

ClientSampleId :

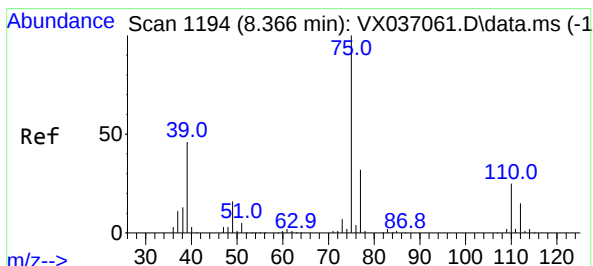
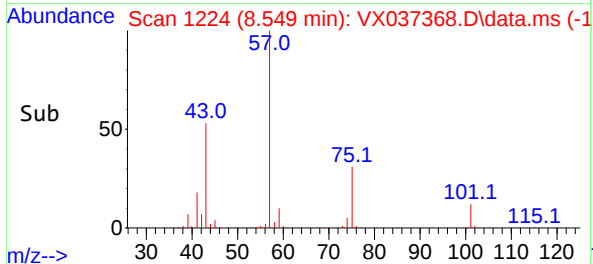
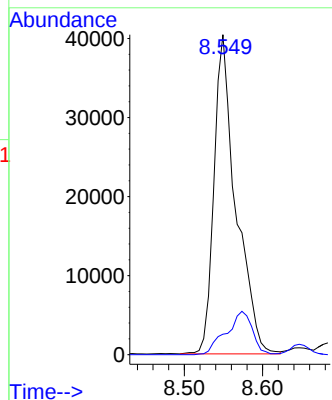
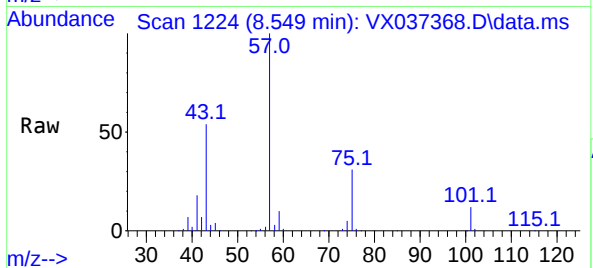
OR-309-OK-370-VOC-22

Tgt Ion: 43 Resp: 78587

Ion Ratio Lower Upper

43 100

58 0.0 30.4 45.6#



#54

cis-1,3-Dichloropropene

Concen: 12.425 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX037368.D

Acq: 30 Aug 2023 04:22

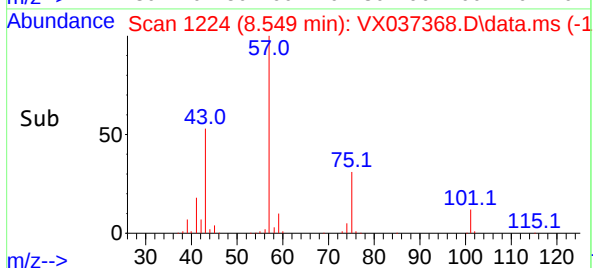
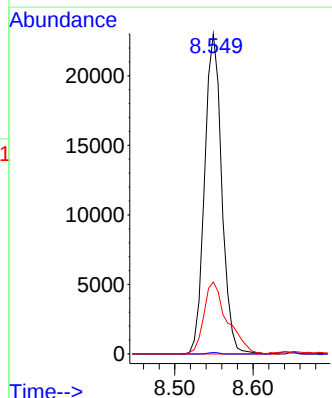
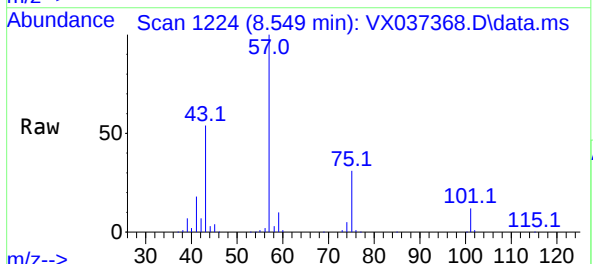
Tgt Ion: 75 Resp: 34873

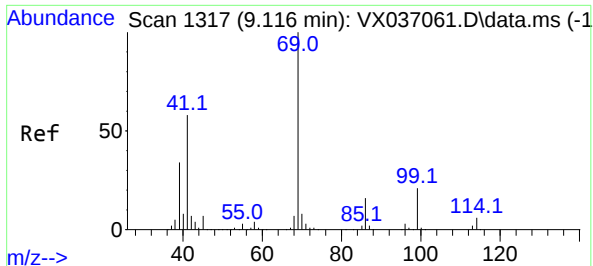
Ion Ratio Lower Upper

75 100

77 0.4 25.3 37.9#

39 22.5 46.7 70.1#

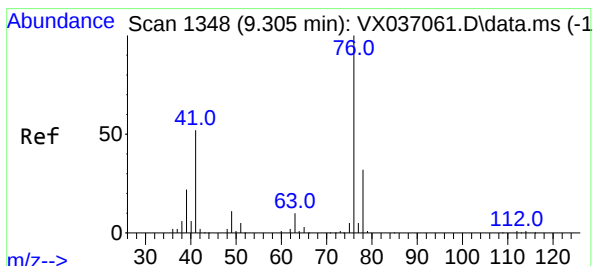
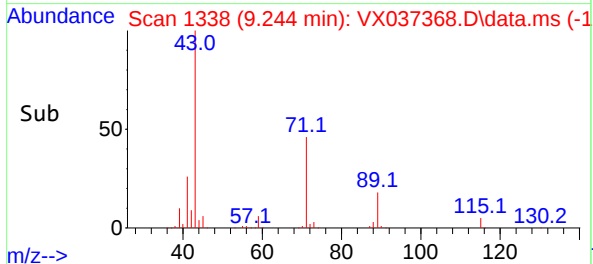
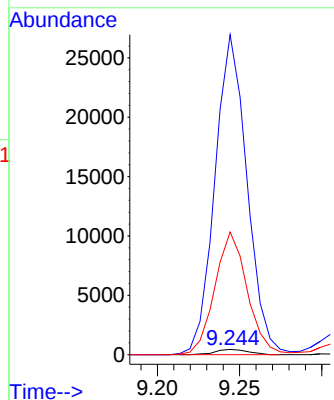
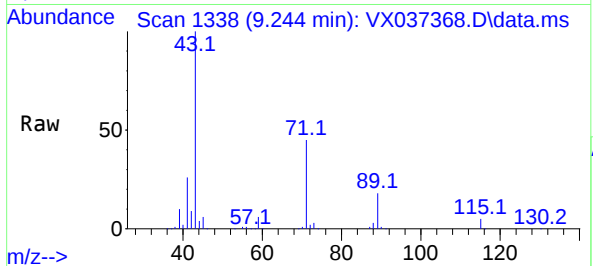




#56
Ethyl methacrylate
Concen: 0.220 ug/l
RT: 9.244 min Scan# 11
Delta R.T. 0.128 min
Lab File: VX037368.D
Acq: 30 Aug 2023 04:22

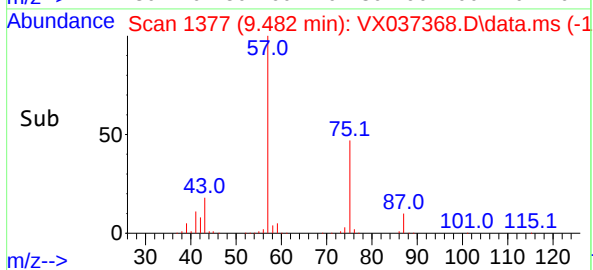
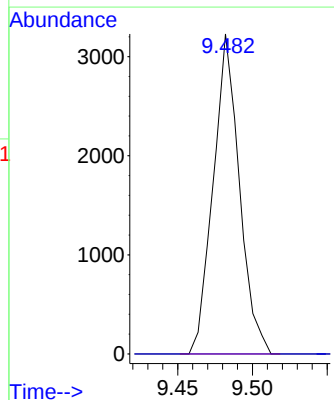
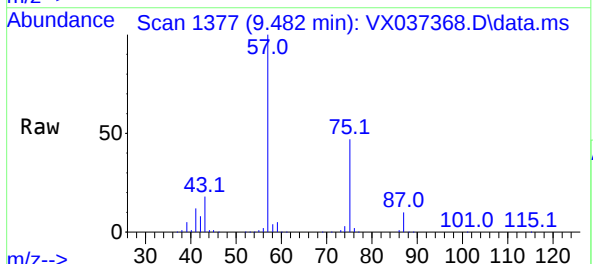
Instrument :
MSVOA_X
ClientSampleId :
OR-309-OK-370-VOC-22

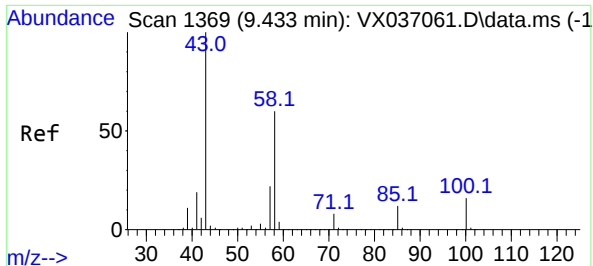
Tgt Ion: 69 Resp: 609
Ion Ratio Lower Upper
69 100
41 6017.2 56.8 85.2#
39 2331.7 32.0 48.0#



#57
1,3-Dichloropropane
Concen: 1.321 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX037368.D
Acq: 30 Aug 2023 04:22

Tgt Ion: 76 Resp: 3928
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#





#59

2-Hexanone

Concen: 25.920 ug/l

RT: 9.482 min Scan# 1

Delta R.T. 0.049 min

Lab File: VX037368.D

Acq: 30 Aug 2023 04:22

Instrument :

MSVOA_X

ClientSampleId :

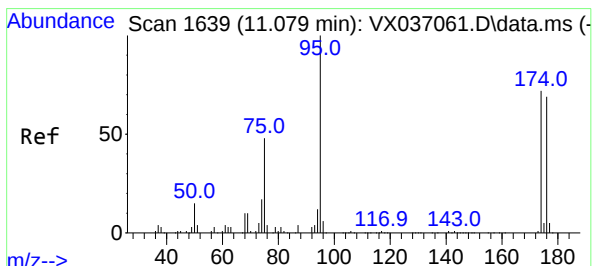
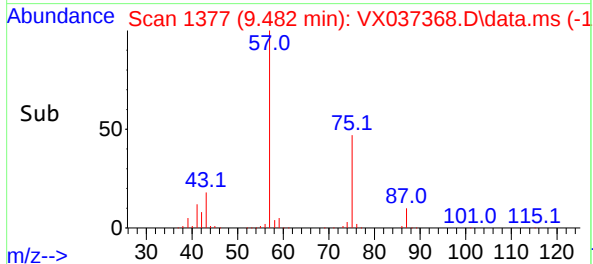
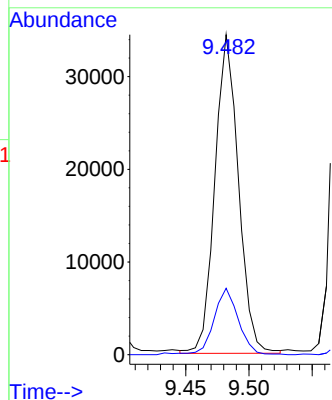
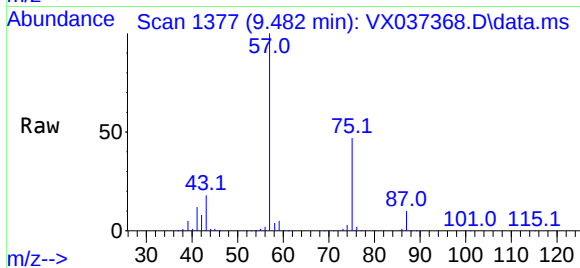
OR-309-OK-370-VOC-22

Tgt Ion: 43 Resp: 44490

Ion Ratio Lower Upper

43 100

58 21.8 26.2 78.5#



#62

4-Bromofluorobenzene

Concen: 44.624 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX037368.D

Acq: 30 Aug 2023 04:22

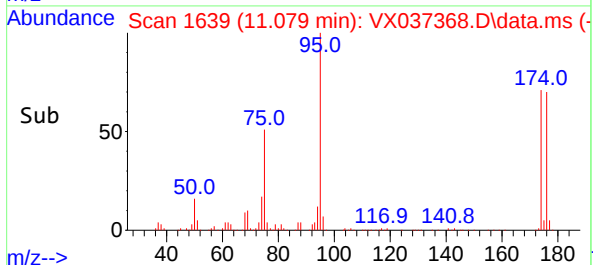
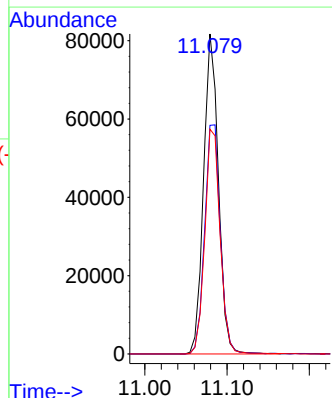
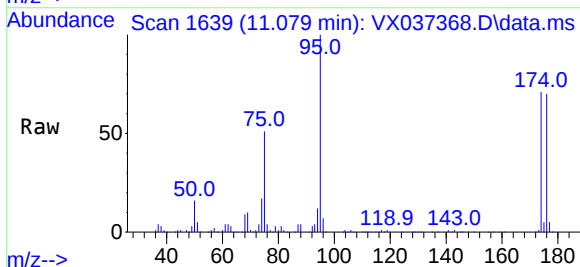
Tgt Ion: 95 Resp: 102353

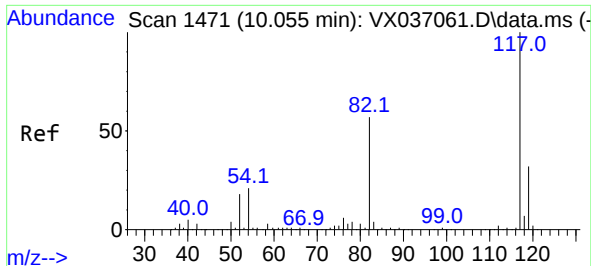
Ion Ratio Lower Upper

95 100

174 75.5 0.0 135.6

176 72.6 0.0 131.0

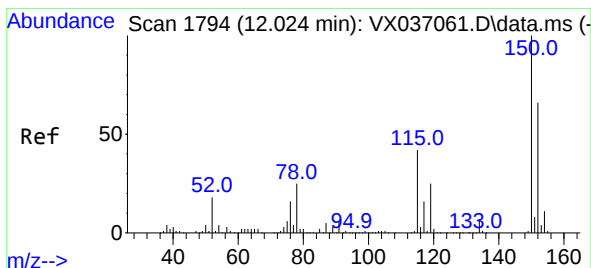
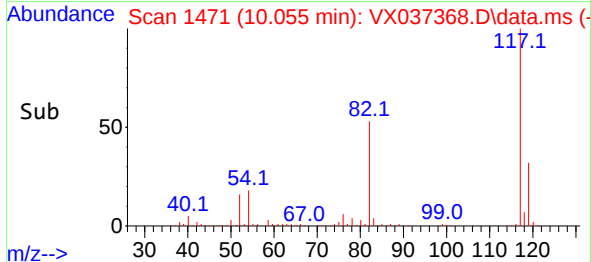
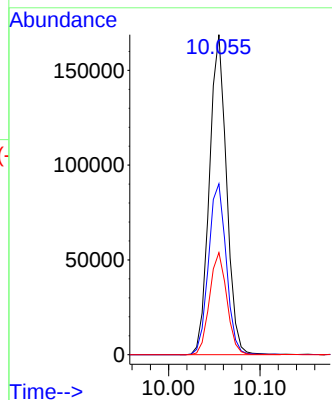
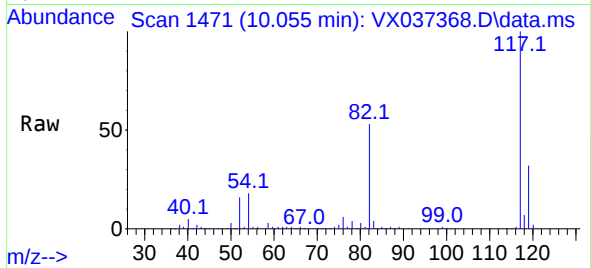




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX037368.D
Acq: 30 Aug 2023 04:22

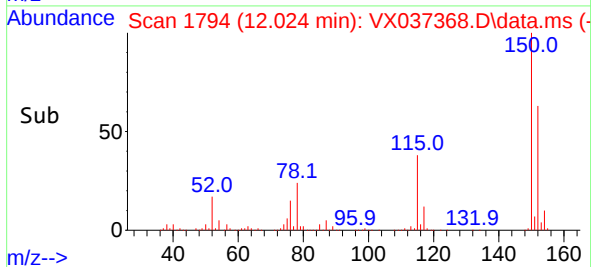
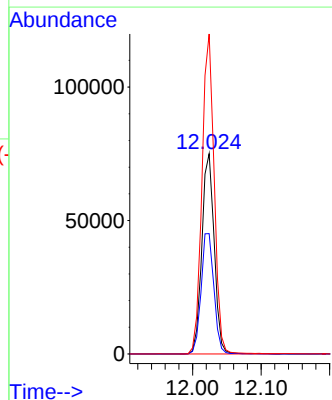
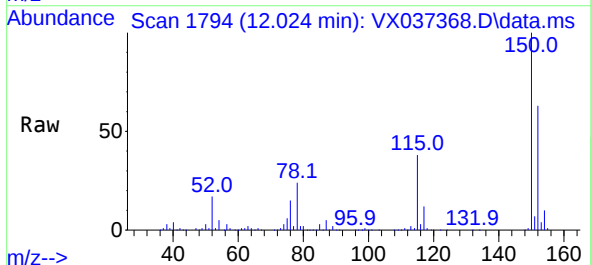
Instrument :
MSVOA_X
ClientSampleId :
OR-309-OK-370-VOC-22

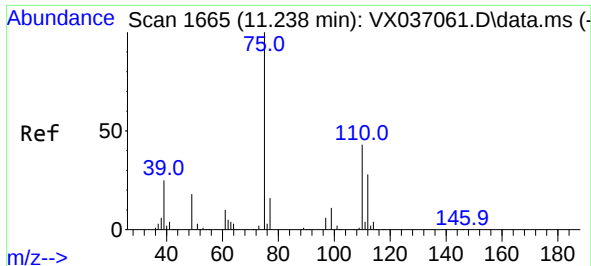
Tgt Ion:117 Resp: 220103
Ion Ratio Lower Upper
117 100
82 53.4 46.2 69.4
119 31.9 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX037368.D
Acq: 30 Aug 2023 04:22

Tgt Ion:152 Resp: 94536
Ion Ratio Lower Upper
152 100
115 62.3 43.3 129.9
150 157.4 0.0 345.0

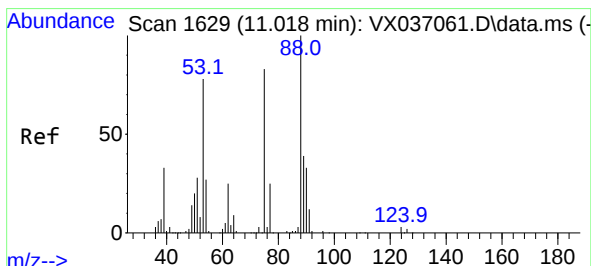
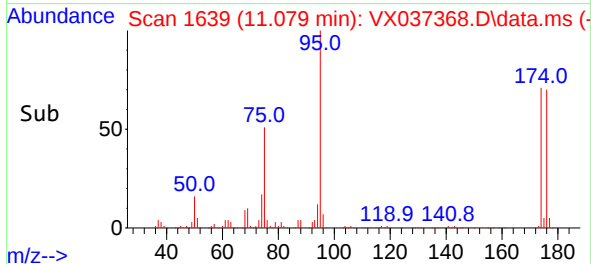
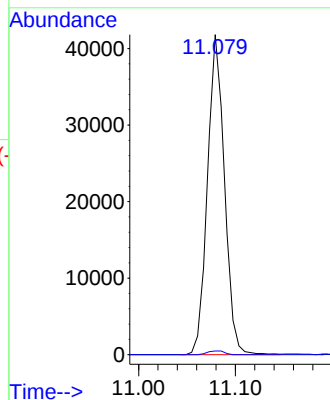
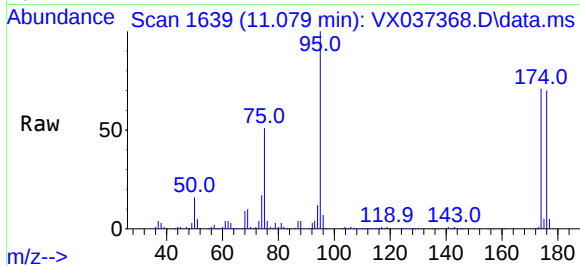




#76
1,2,3-Trichloropropane
Concen: 25.434 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX037368.D
Acq: 30 Aug 2023 04:22

Instrument :
MSVOA_X
ClientSampleId :
OR-309-OK-370-VOC-22

Tgt Ion: 75 Resp: 51206
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 71.038 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX037368.D
Acq: 30 Aug 2023 04:22

Tgt Ion: 75 Resp: 51206
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.1 36.9 55.3#

