

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082923\
 Data File : VX037366.D
 Acq On : 30 Aug 2023 03:33
 Operator : JC/MD
 Sample : 04197-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OR-309-OK-370-VOC-20

Quant Time: Aug 30 04:53:26 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)

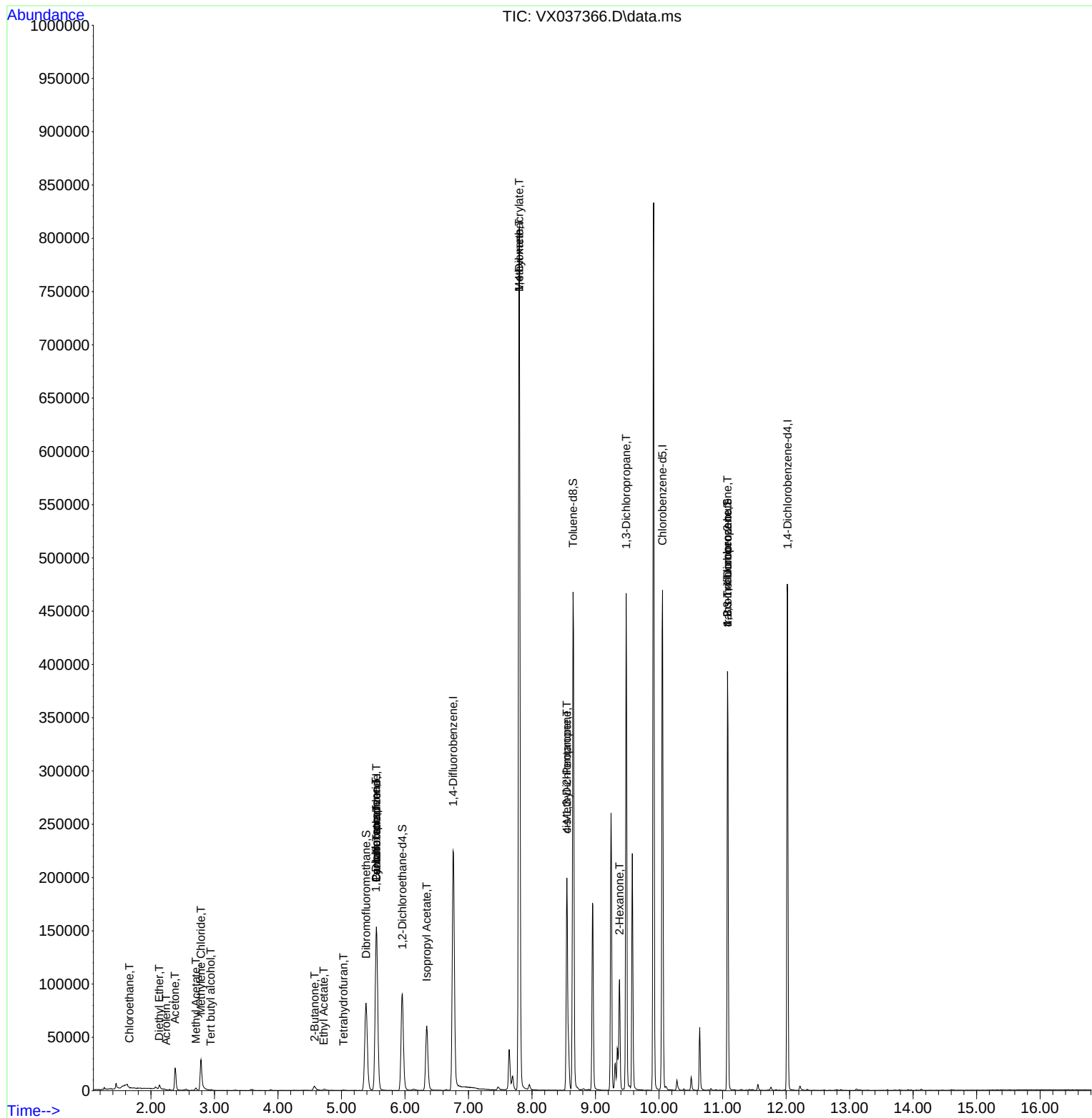
Internal Standards						
1) Pentafluorobenzene	5.550	168	144669	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	239121	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	220525	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	102536	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	91090	43.674	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	87.340%
35) Dibromofluoromethane	5.385	113	73766	46.580	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	93.160%
50) Toluene-d8	8.647	98	285462	49.693	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.380%
62) 4-Bromofluorobenzene	11.079	95	108618	48.114	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	96.220%
Target Compounds						
					Qvalue	
6) Chloroethane	1.660	64	853	0.906	ug/l #	43
8) Diethyl Ether	2.130	74	1232	1.215	ug/l	76
11) Tert butyl alcohol	2.940	59	236	0.482	ug/l #	78
13) Acrolein	2.239	56	89	0.239	ug/l #	71
16) Acetone	2.380	43	22841	27.994	ug/l	95
18) Methyl Acetate	2.709	43	2719	0.885	ug/l	95
20) Methylene Chloride	2.788	84	17859	9.788	ug/l #	81
25) 2-Butanone	4.574	43	7565	6.158	ug/l #	88
29) Tetrahydrofuran	5.032	42	404	0.516	ug/l #	52
31) Cyclohexane	5.550	56	2791	1.190	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	11176	4.967	ug/l #	50
37) Ethyl Acetate	4.721	43	553	0.241	ug/l #	28
38) Carbon Tetrachloride	5.550	117	15409	6.305	ug/l #	15
43) Isopropyl Acetate	6.342	43	81022	22.205	ug/l #	91
48) Methyl methacrylate	7.799	41	66710	37.489	ug/l #	47
49) 1,4-Dioxane	7.799	88	82	1.711	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	80004	36.108	ug/l #	37
54) cis-1,3-Dichloropropene	8.549	75	34697	12.561	ug/l #	51
57) 1,3-Dichloropropane	9.482	76	4122	1.408	ug/l #	42
59) 2-Hexanone	9.378	43	77251	45.727	ug/l #	26
76) 1,2,3-Trichloropropane	11.079	75	53076	24.306	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	53076	67.887	ug/l #	5

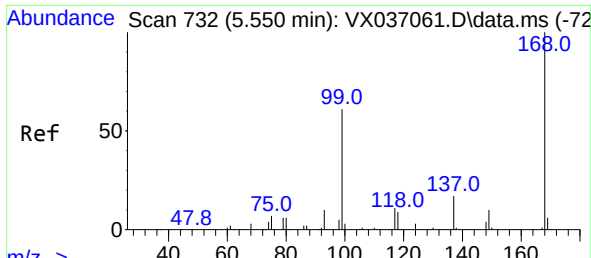
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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ClientSampleId :
OR-309-OK-370-VOC-20

Quant Time: Aug 30 04:53:26 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 18 09:30:38 2023
Response via : Initial Calibration

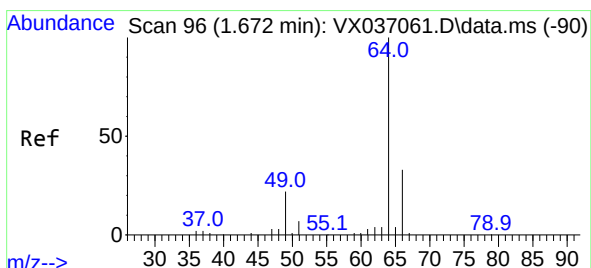
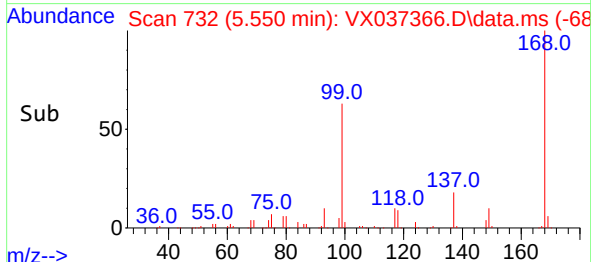
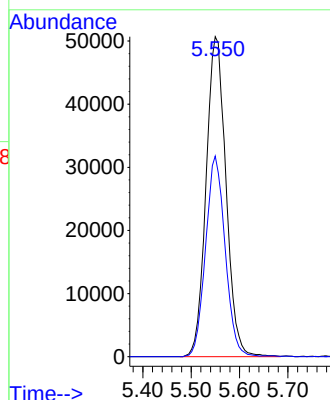
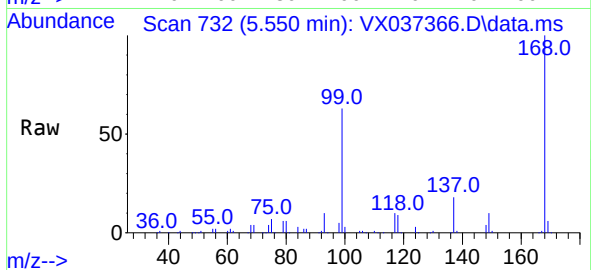




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX037366.D
Acq: 30 Aug 2023 03:33

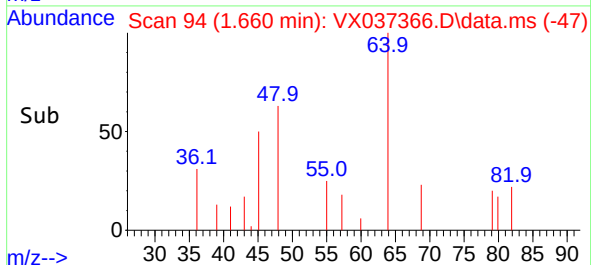
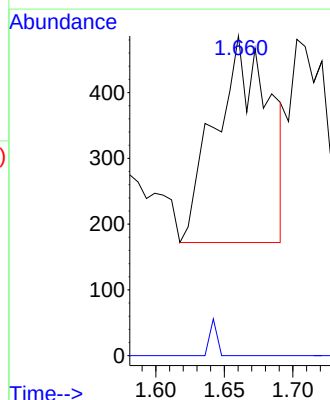
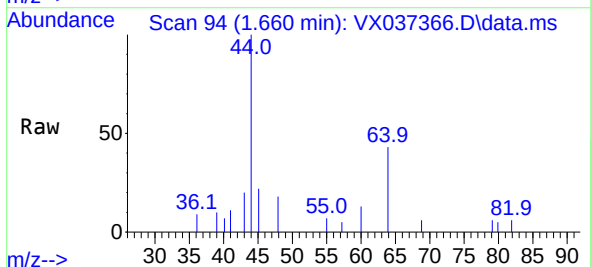
Instrument :
MSVOA_X
ClientSampleId :
OR-309-OK-370-VOC-20

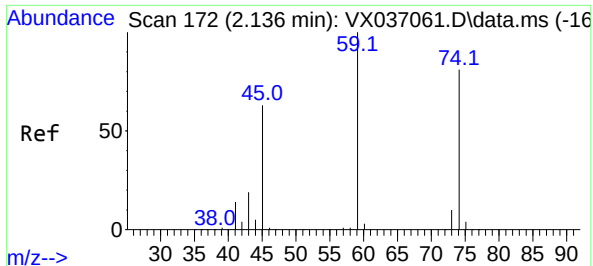
Tgt Ion:168 Resp: 144669
Ion Ratio Lower Upper
168 100
99 62.7 56.6 85.0



#6
Chloroethane
Concen: 0.906 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.012 min
Lab File: VX037366.D
Acq: 30 Aug 2023 03:33

Tgt Ion: 64 Resp: 853
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#

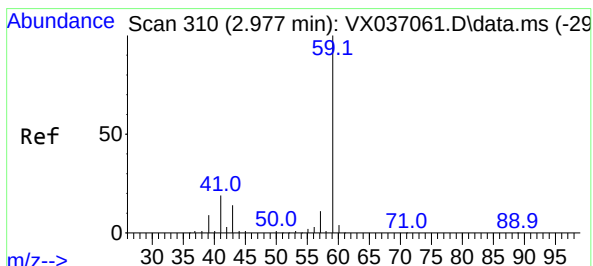
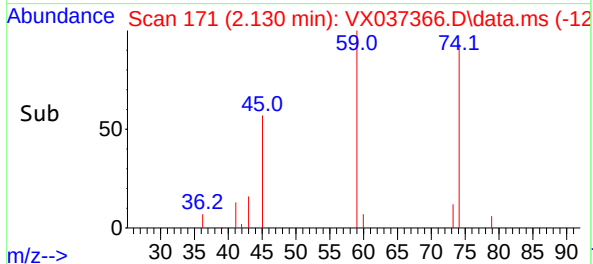
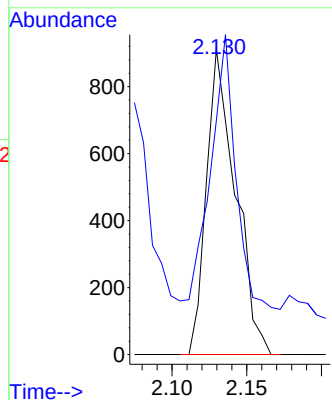
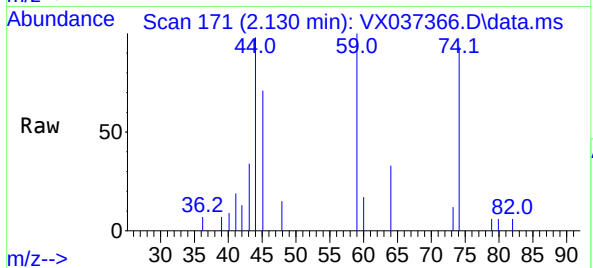




#8
Diethyl Ether
Concen: 1.215 ug/l
RT: 2.130 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX037366.D
Acq: 30 Aug 2023 03:33

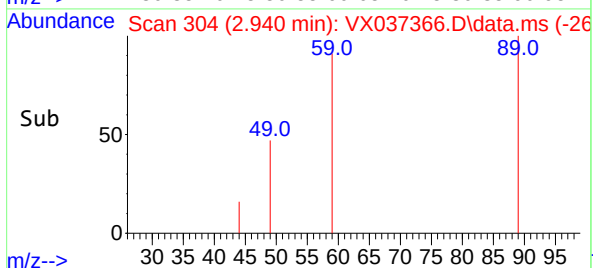
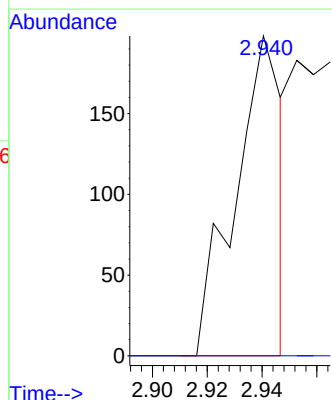
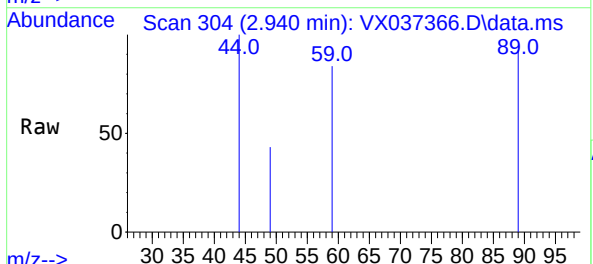
Instrument :
MSVOA_X
ClientSampleId :
OR-309-OK-370-VOC-20

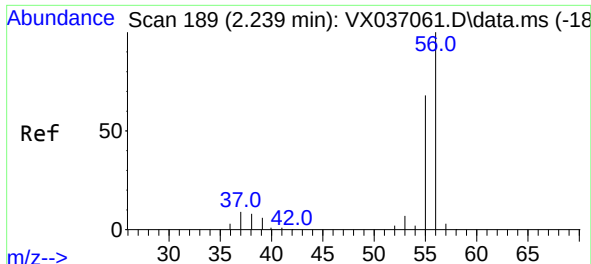
Tgt Ion: 74 Resp: 1232
Ion Ratio Lower Upper
74 100
45 81.7 53.3 159.8



#11
Tert butyl alcohol
Concen: 0.482 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.037 min
Lab File: VX037366.D
Acq: 30 Aug 2023 03:33

Tgt Ion: 59 Resp: 236
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

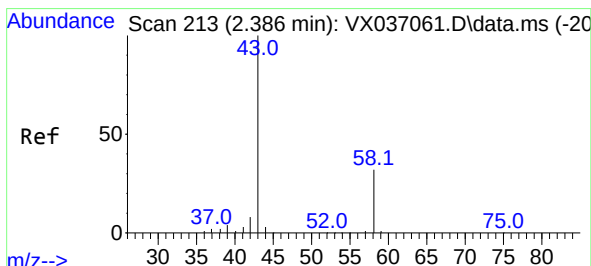
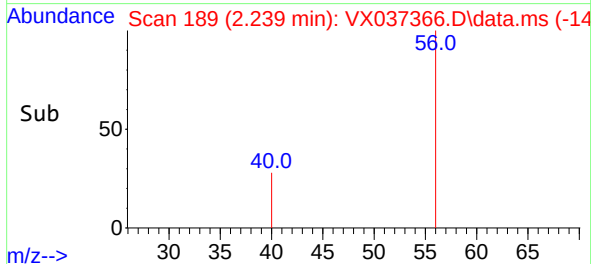
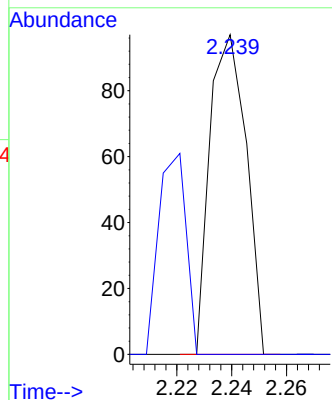
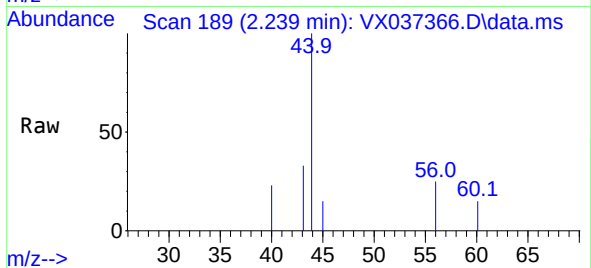




#13
Acrolein
Concen: 0.239 ug/l
RT: 2.239 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX037366.D
Acq: 30 Aug 2023 03:33

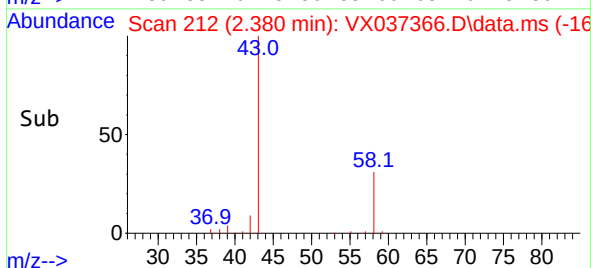
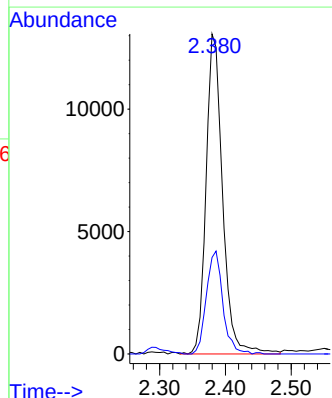
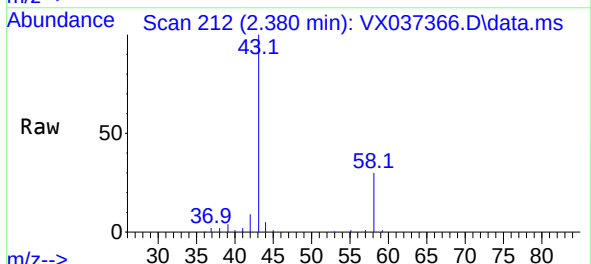
Instrument :
MSVOA_X
ClientSampleId :
OR-309-OK-370-VOC-20

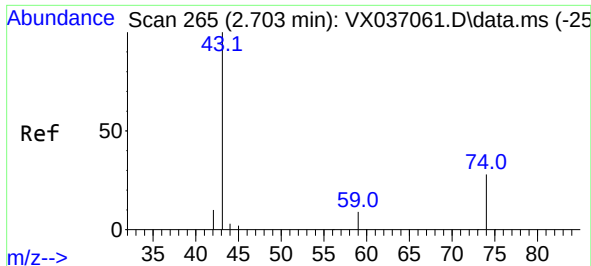
Tgt Ion: 56 Resp: 89
Ion Ratio Lower Upper
56 100
55 47.2 57.1 85.7#



#16
Acetone
Concen: 27.994 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX037366.D
Acq: 30 Aug 2023 03:33

Tgt Ion: 43 Resp: 22841
Ion Ratio Lower Upper
43 100
58 30.2 21.9 32.9





#18

Methyl Acetate

Concen: 0.885 ug/l

RT: 2.709 min Scan# 2

Delta R.T. 0.006 min

Lab File: VX037366.D

Acq: 30 Aug 2023 03:33

Instrument :

MSVOA_X

ClientSampleId :

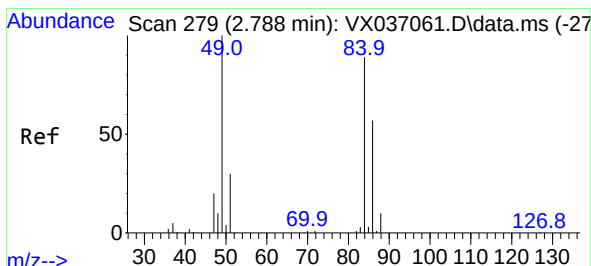
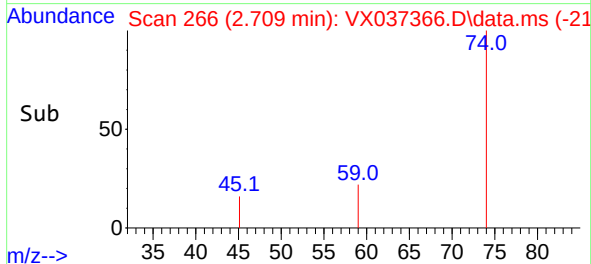
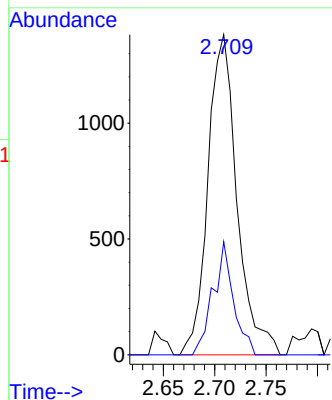
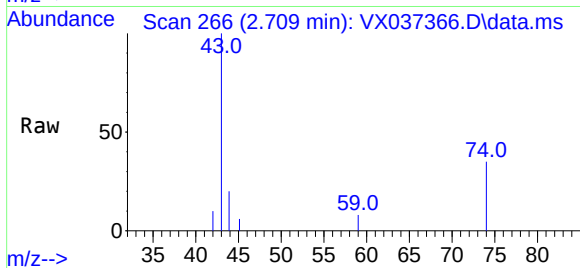
OR-309-OK-370-VOC-20

Tgt Ion: 43 Resp: 2719

Ion Ratio Lower Upper

43 100

74 24.9 17.8 26.8



#20

Methylene Chloride

Concen: 9.788 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.000 min

Lab File: VX037366.D

Acq: 30 Aug 2023 03:33

Tgt Ion: 84 Resp: 17859

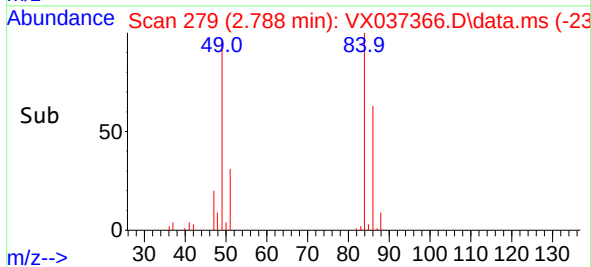
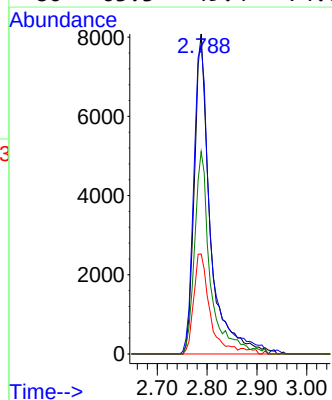
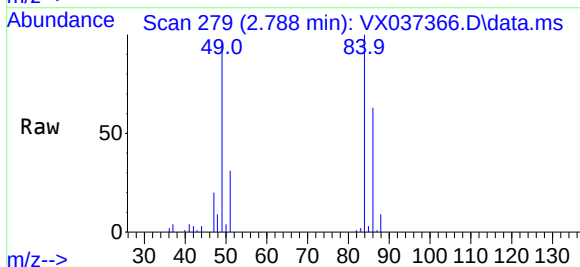
Ion Ratio Lower Upper

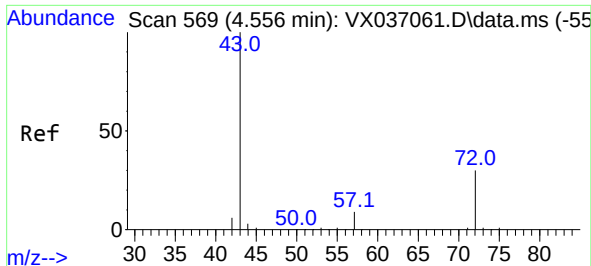
84 100

49 96.5 103.6 155.4#

51 31.3 33.8 50.6#

86 63.3 49.4 74.0





#25

2-Butanone

Concen: 6.158 ug/l

RT: 4.574 min Scan# 51

Delta R.T. 0.018 min

Lab File: VX037366.D

Acq: 30 Aug 2023 03:33

Instrument :

MSVOA_X

ClientSampleId :

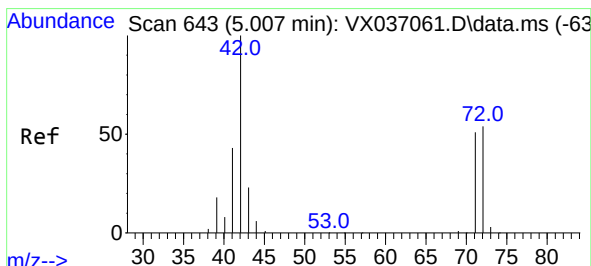
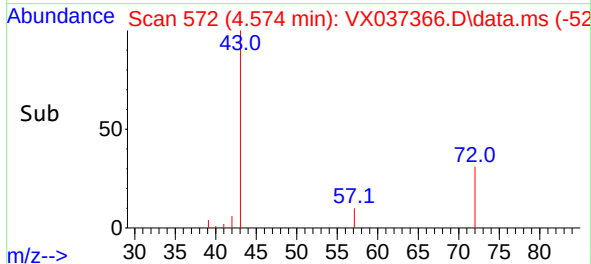
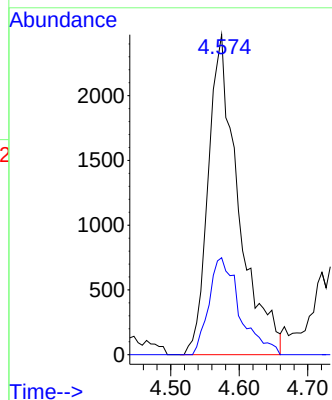
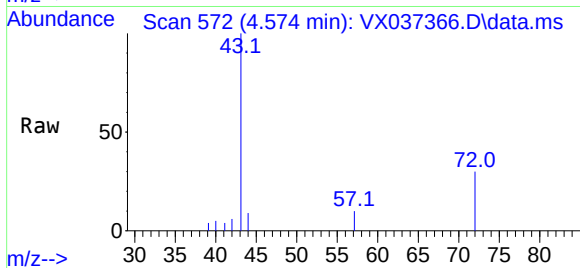
OR-309-OK-370-VOC-20

Tgt Ion: 43 Resp: 7565

Ion Ratio Lower Upper

43 100

72 30.3 19.4 29.2#



#29

Tetrahydrofuran

Concen: 0.516 ug/l

RT: 5.032 min Scan# 647

Delta R.T. 0.024 min

Lab File: VX037366.D

Acq: 30 Aug 2023 03:33

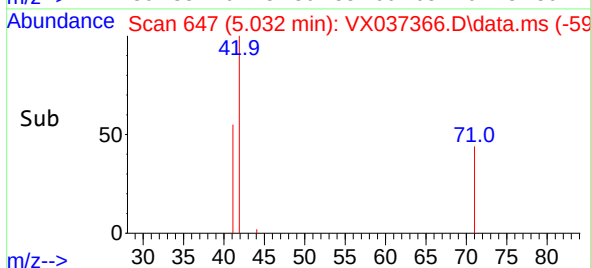
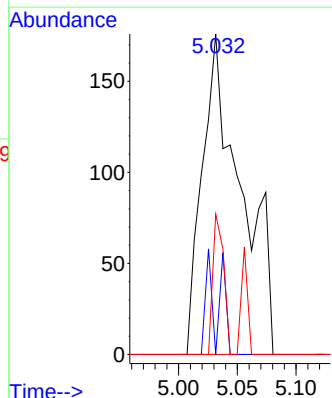
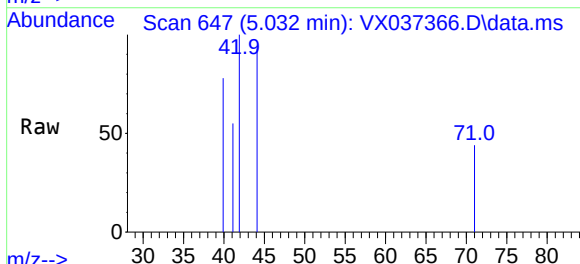
Tgt Ion: 42 Resp: 404

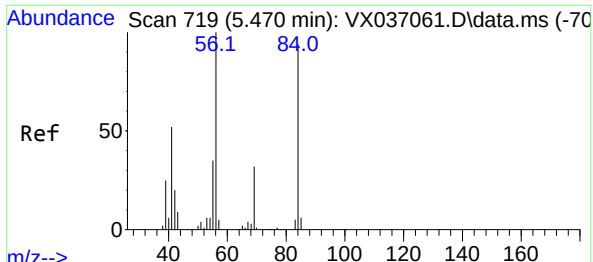
Ion Ratio Lower Upper

42 100

72 10.4 34.2 51.4#

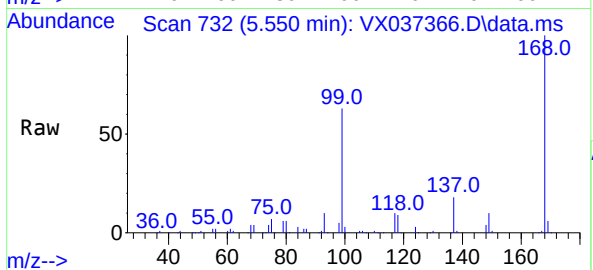
71 12.1 32.2 48.2#



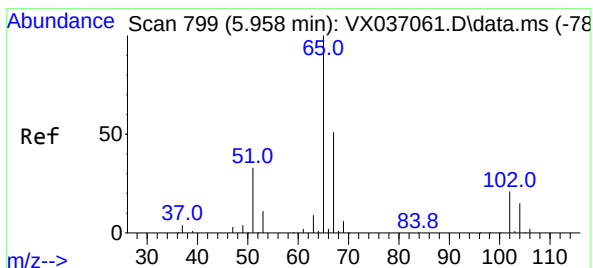
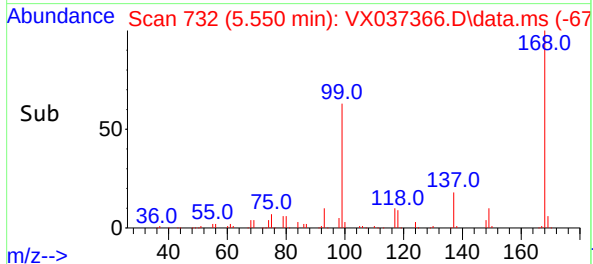
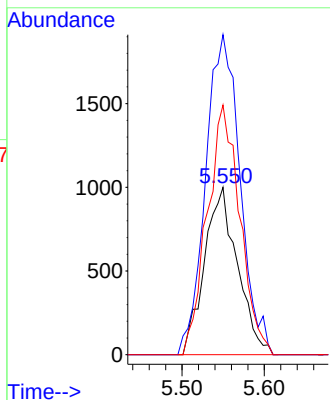


#31
Cyclohexane
Concen: 1.190 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX037366.D
Acq: 30 Aug 2023 03:33

Instrument :
MSVOA_X
ClientSampleId :
OR-309-OK-370-VOC-20

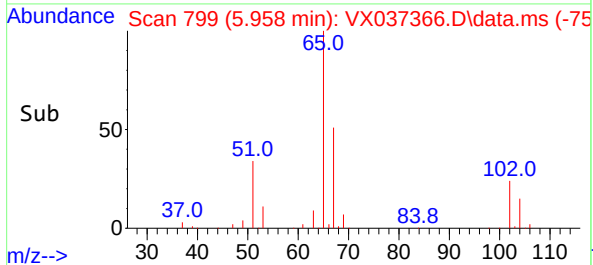
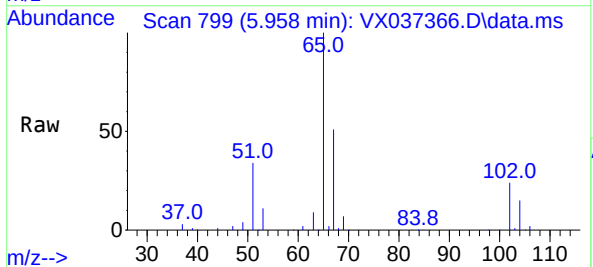
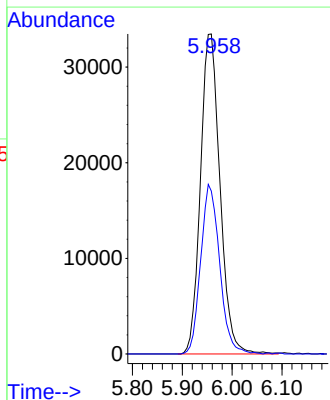


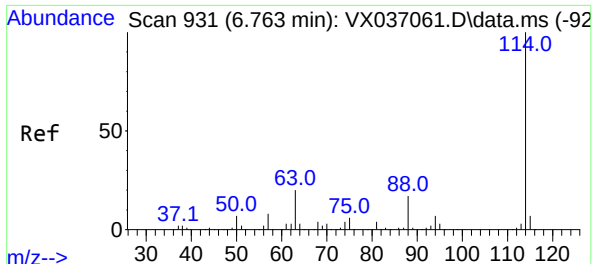
Tgt Ion: 56 Resp: 2791
Ion Ratio Lower Upper
56 100
69 191.2 23.4 35.2#
84 149.1 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 43.674 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX037366.D
Acq: 30 Aug 2023 03:33

Tgt Ion: 65 Resp: 91090
Ion Ratio Lower Upper
65 100
67 51.4 0.0 100.2



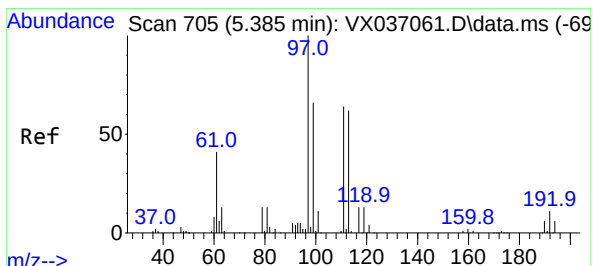
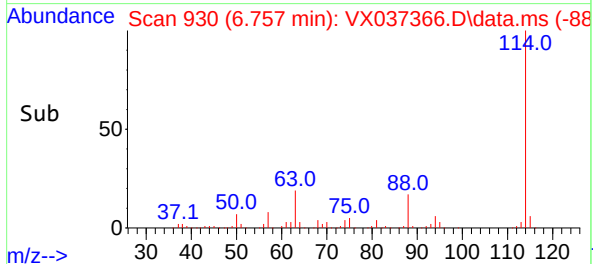
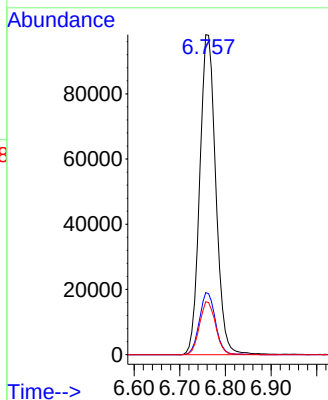
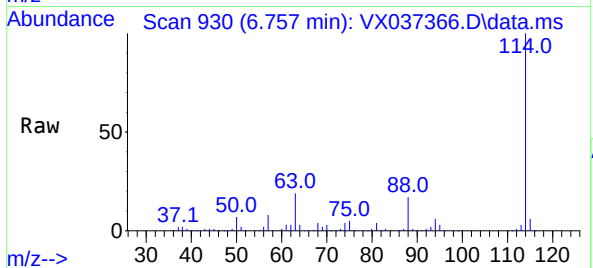


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 911
Delta R.T. -0.006 min
Lab File: VX037366.D
Acq: 30 Aug 2023 03:33

Instrument :
MSVOA_X
ClientSampleId :
OR-309-OK-370-VOC-20

Tgt Ion:114 Resp: 239121

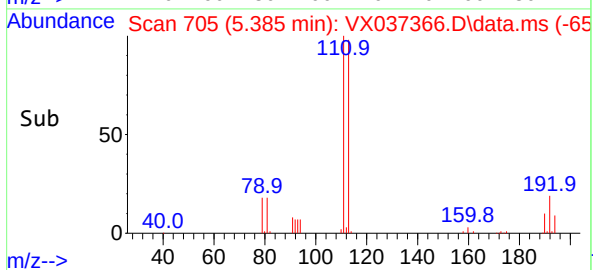
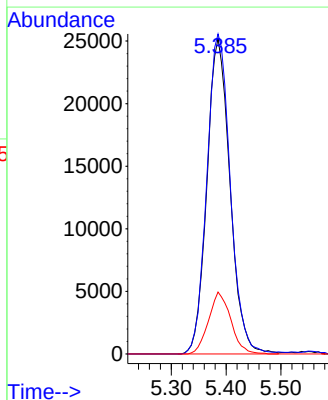
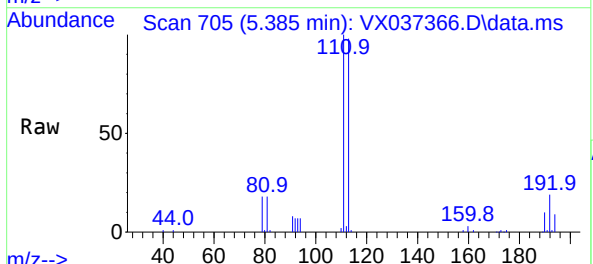
Ion	Ratio	Lower	Upper
114	100		
63	19.4	0.0	45.0
88	16.6	0.0	36.6

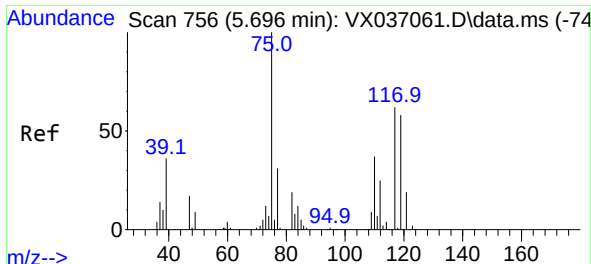


#35
Dibromofluoromethane
Concen: 46.580 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX037366.D
Acq: 30 Aug 2023 03:33

Tgt Ion:113 Resp: 73766

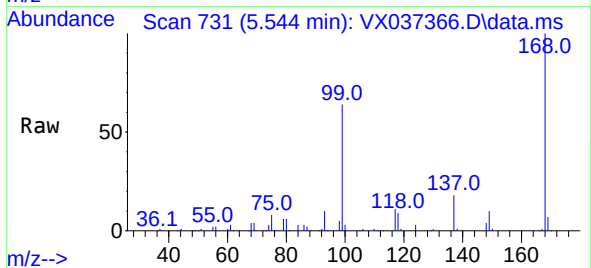
Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.9	124.3
192	18.9	13.3	19.9



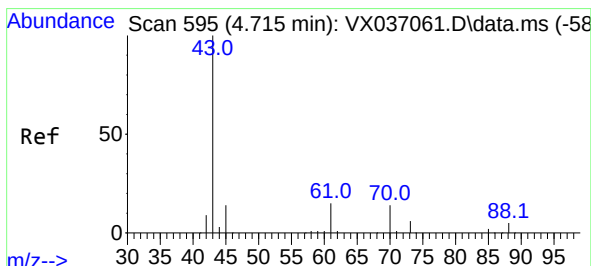
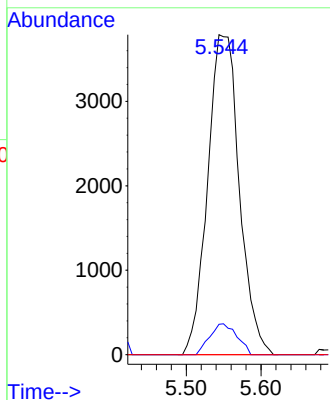
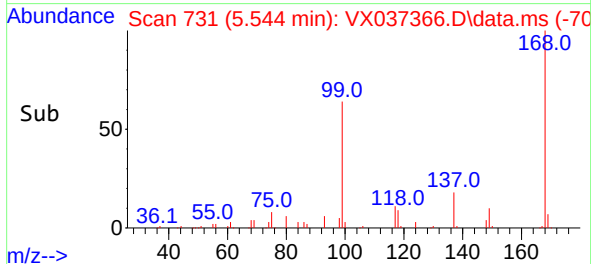


#36
1,1-Dichloropropene
Concen: 4.967 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.152 min
Lab File: VX037366.D
Acq: 30 Aug 2023 03:33

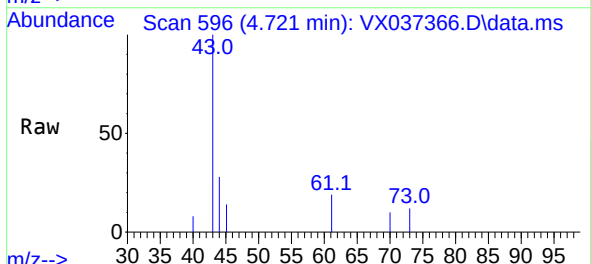
Instrument :
MSVOA_X
ClientSampleId :
OR-309-OK-370-VOC-20



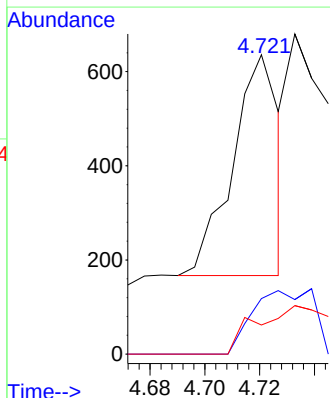
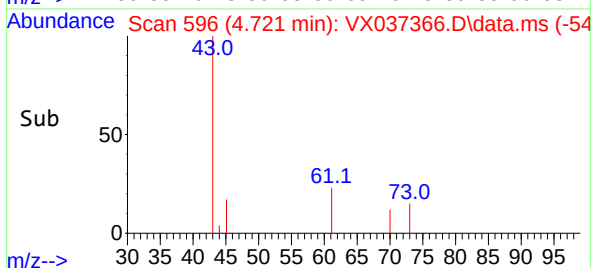
Tgt Ion: 75 Resp: 11176
Ion Ratio Lower Upper
75 100
110 8.3 17.0 50.9#
77 0.0 24.7 37.1#

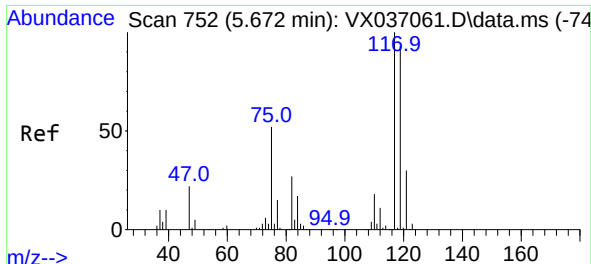


#37
Ethyl Acetate
Concen: 0.241 ug/l
RT: 4.721 min Scan# 596
Delta R.T. 0.006 min
Lab File: VX037366.D
Acq: 30 Aug 2023 03:33



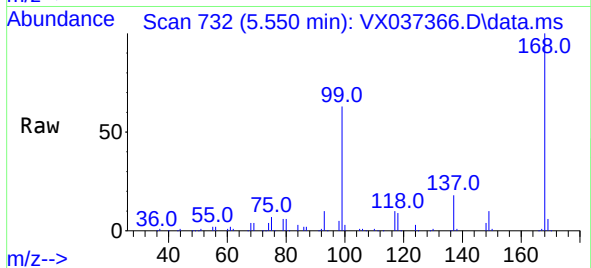
Tgt Ion: 43 Resp: 553
Ion Ratio Lower Upper
43 100
61 45.9 10.6 16.0#
70 32.5 8.3 12.5#



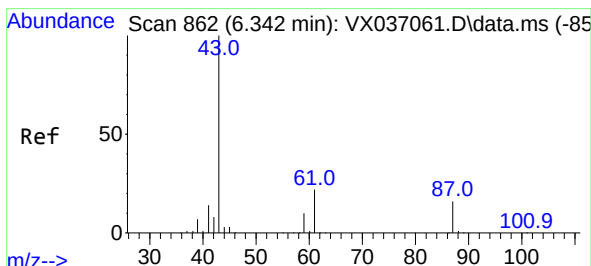
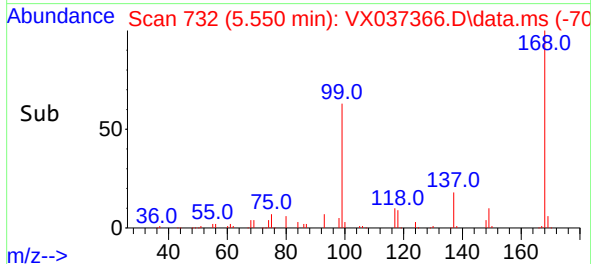
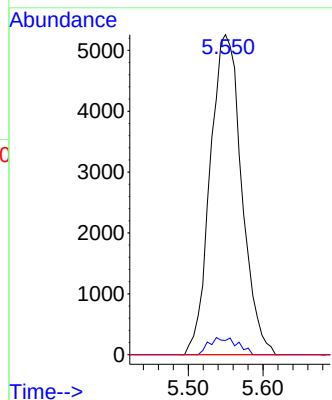


#38
Carbon Tetrachloride
Concen: 6.305 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX037366.D
Acq: 30 Aug 2023 03:33

Instrument :
MSVOA_X
ClientSampleId :
OR-309-OK-370-VOC-20

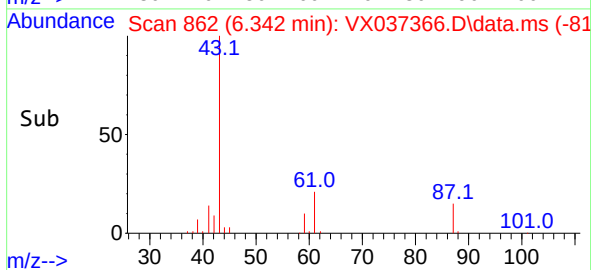
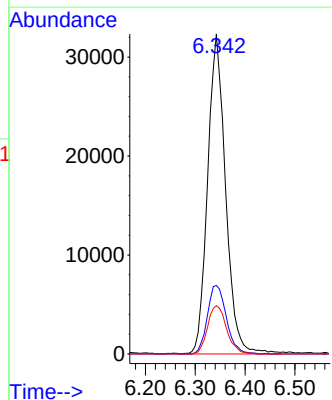
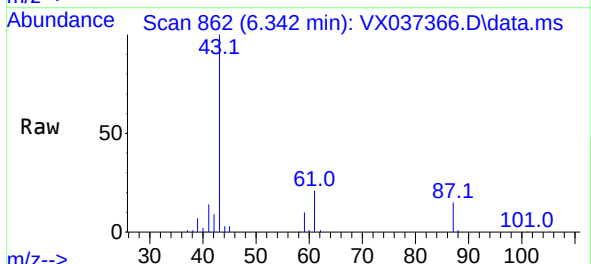


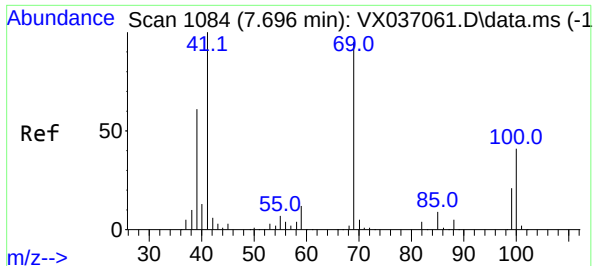
Tgt Ion:117 Resp: 15409
Ion Ratio Lower Upper
117 100
119 4.4 78.2 117.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 22.205 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX037366.D
Acq: 30 Aug 2023 03:33

Tgt Ion: 43 Resp: 81022
Ion Ratio Lower Upper
43 100
61 22.6 15.2 22.8
87 15.9 9.8 14.6#

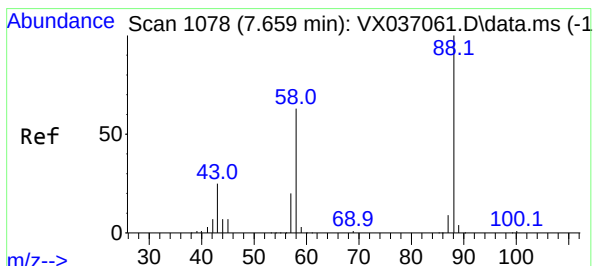
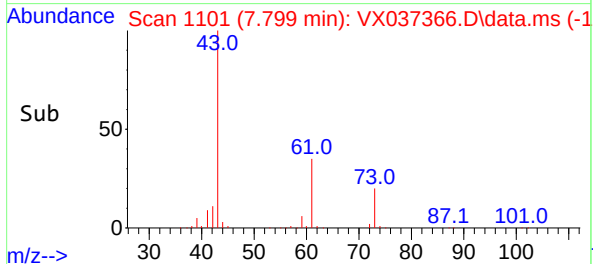
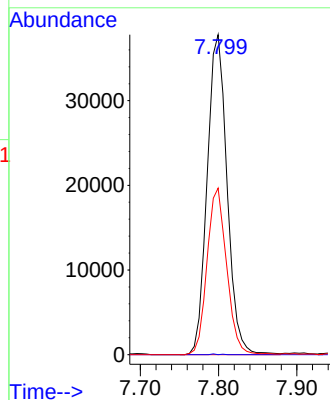
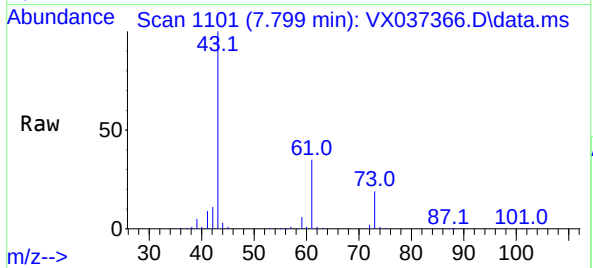




#48
Methyl methacrylate
Concen: 37.489 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX037366.D
Acq: 30 Aug 2023 03:33

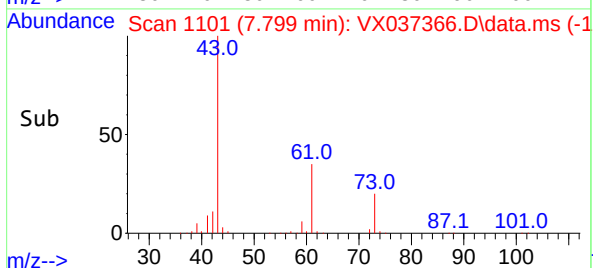
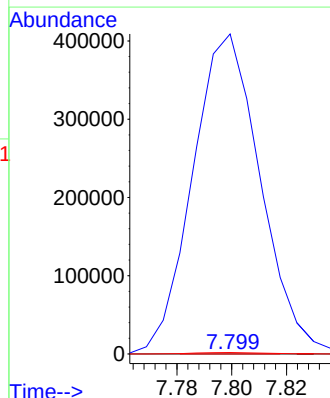
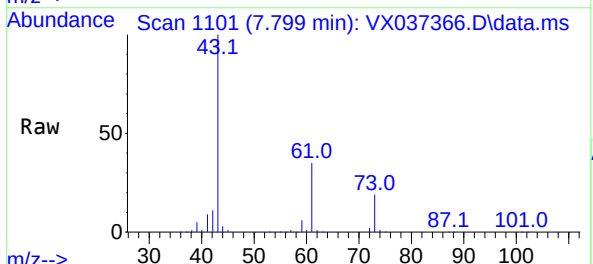
Instrument :
MSVOA_X
ClientSampleId :
OR-309-OK-370-VOC-20

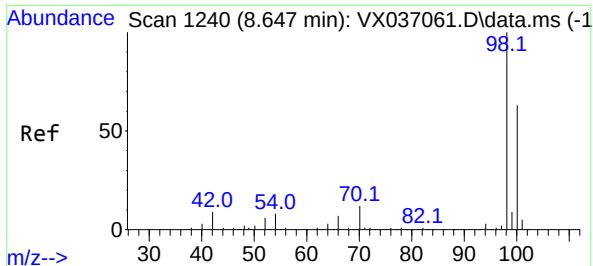
Tgt Ion: 41 Resp: 66710
Ion Ratio Lower Upper
41 100
69 0.1 59.2 88.8#
39 51.2 47.7 71.5



#49
1,4-Dioxane
Concen: 1.711 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.140 min
Lab File: VX037366.D
Acq: 30 Aug 2023 03:33

Tgt Ion: 88 Resp: 82
Ion Ratio Lower Upper
88 100
43 866328.0 0.0 0.0#
58 3939.0 60.1 90.1#





#50

Toluene-d8

Concen: 49.693 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX037366.D

Acq: 30 Aug 2023 03:33

Instrument :

MSVOA_X

ClientSampleId :

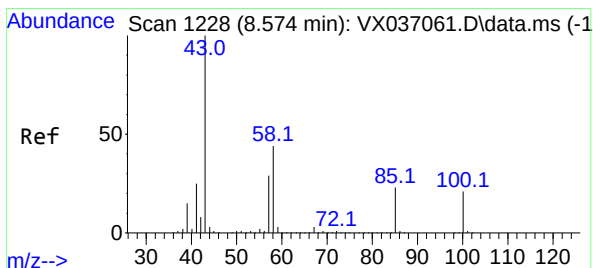
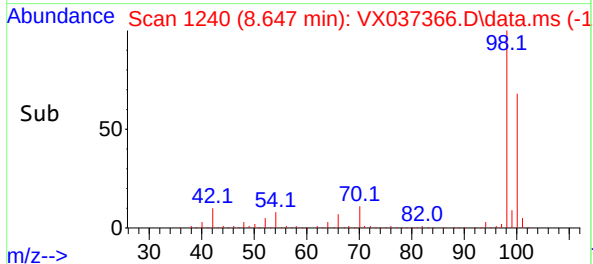
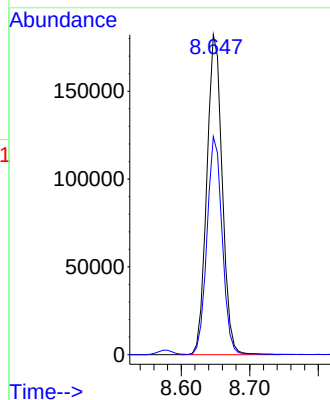
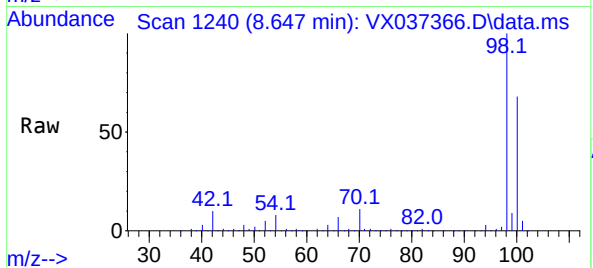
OR-309-OK-370-VOC-20

Tgt Ion: 98 Resp: 285462

Ion Ratio Lower Upper

98 100

100 67.3 53.1 79.7



#51

4-Methyl-2-Pentanone

Concen: 36.108 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. -0.024 min

Lab File: VX037366.D

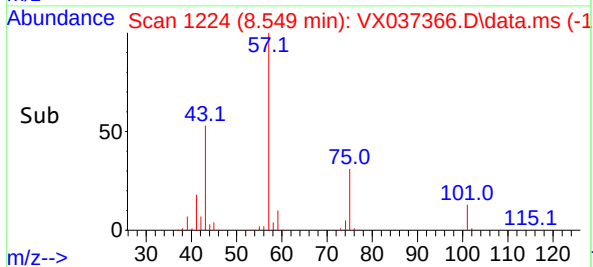
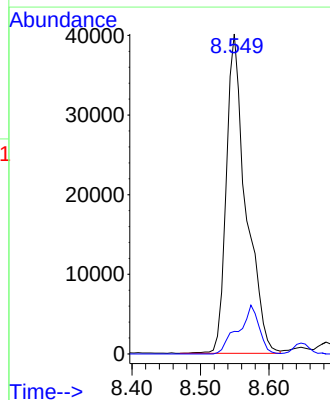
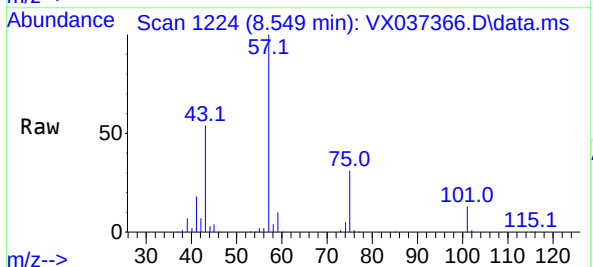
Acq: 30 Aug 2023 03:33

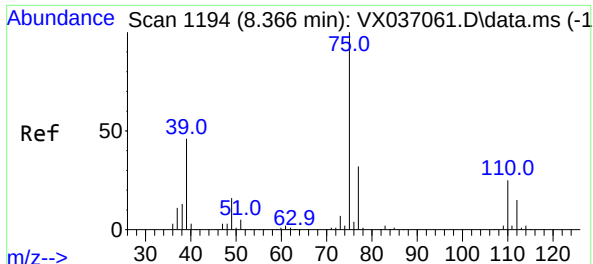
Tgt Ion: 43 Resp: 80004

Ion Ratio Lower Upper

43 100

58 0.0 30.4 45.6#

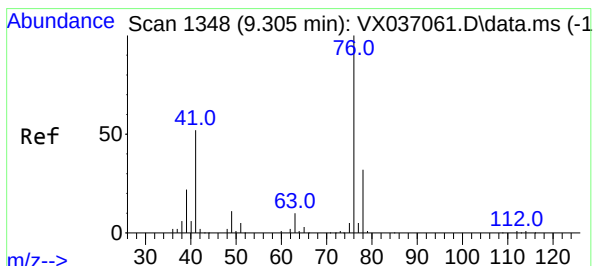
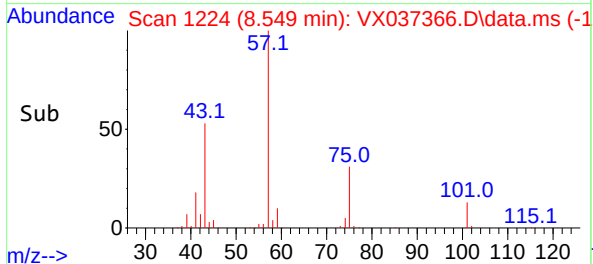
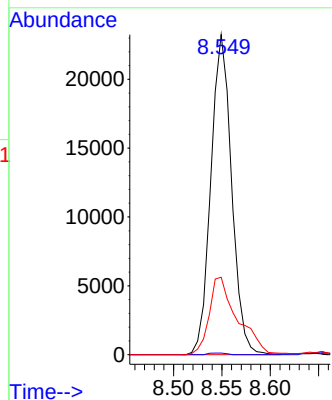
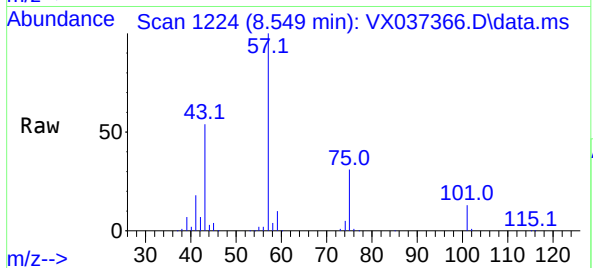




#54
 cis-1,3-Dichloropropene
 Concen: 12.561 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX037366.D
 Acq: 30 Aug 2023 03:33

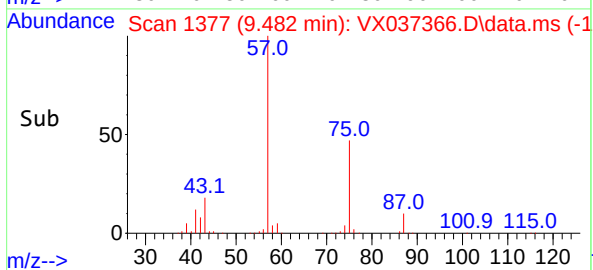
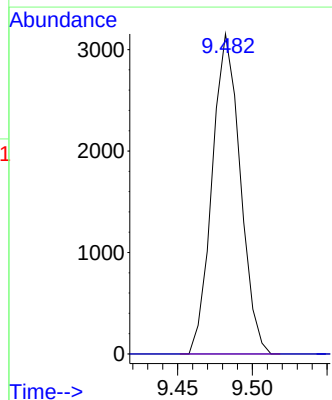
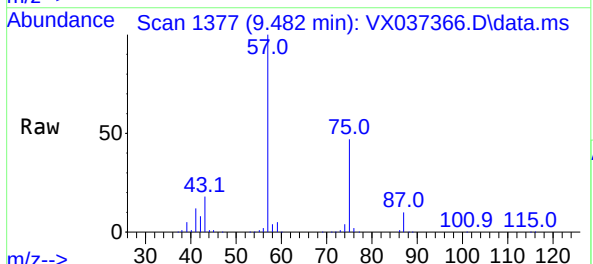
Instrument :
 MSVOA_X
 ClientSampleId :
 OR-309-OK-370-VOC-20

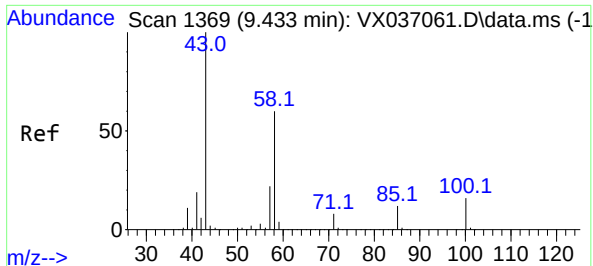
Tgt Ion: 75 Resp: 34697
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.3 37.9#
 39 24.2 46.7 70.1#



#57
 1,3-Dichloropropane
 Concen: 1.408 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.177 min
 Lab File: VX037366.D
 Acq: 30 Aug 2023 03:33

Tgt Ion: 76 Resp: 4122
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.1 39.1#





#59

2-Hexanone

Concen: 45.727 ug/l

RT: 9.378 min Scan# 11

Delta R.T. -0.055 min

Lab File: VX037366.D

Acq: 30 Aug 2023 03:33

Instrument :

MSVOA_X

ClientSampleId :

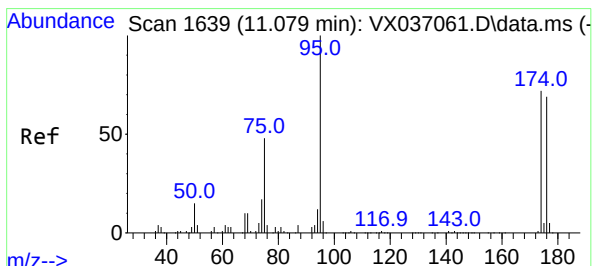
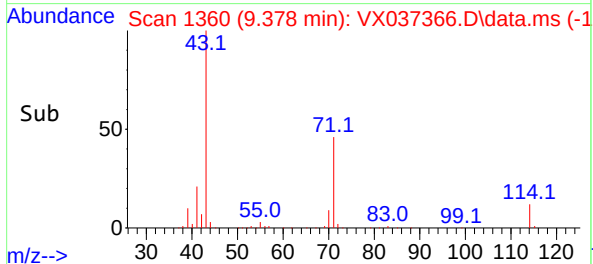
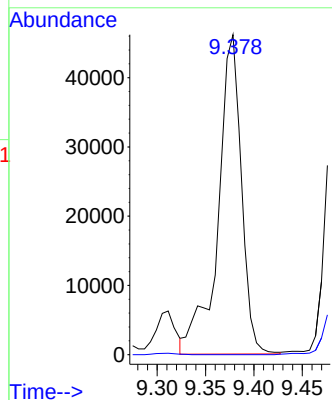
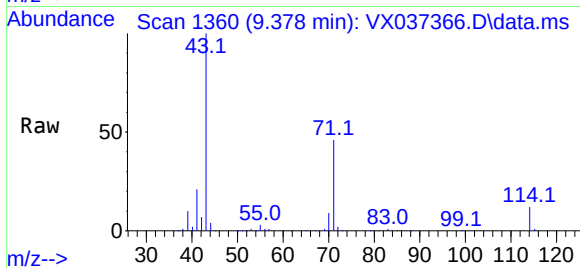
OR-309-OK-370-VOC-20

Tgt Ion: 43 Resp: 77251

Ion Ratio Lower Upper

43 100

58 0.0 26.2 78.5#



#62

4-Bromofluorobenzene

Concen: 48.114 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX037366.D

Acq: 30 Aug 2023 03:33

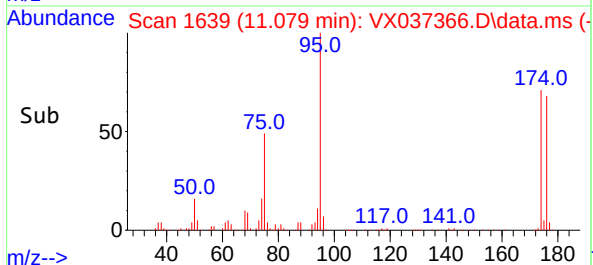
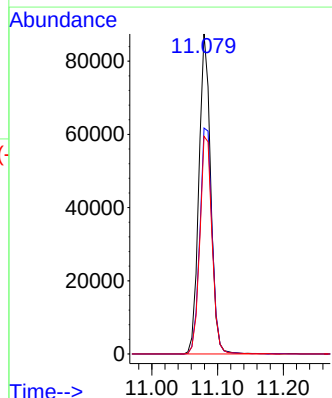
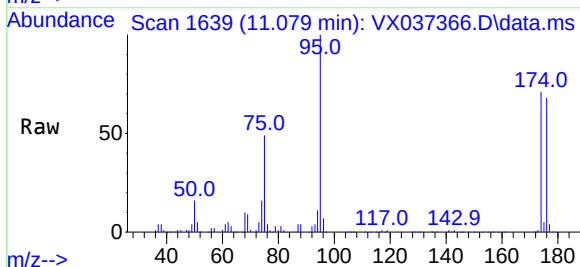
Tgt Ion: 95 Resp: 108618

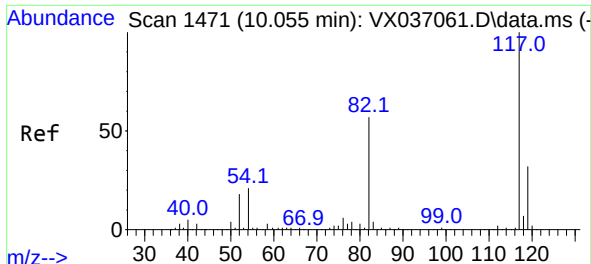
Ion Ratio Lower Upper

95 100

174 74.1 0.0 135.6

176 70.6 0.0 131.0

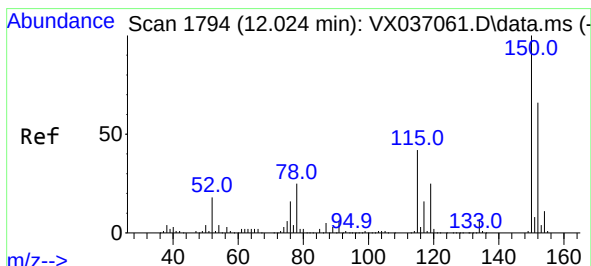
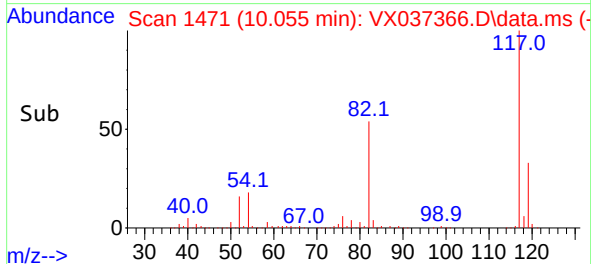
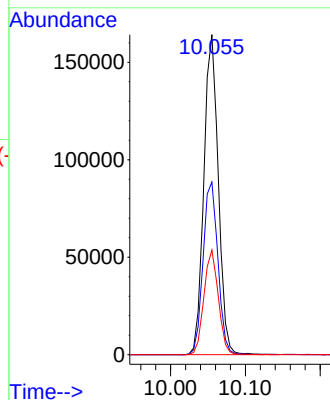
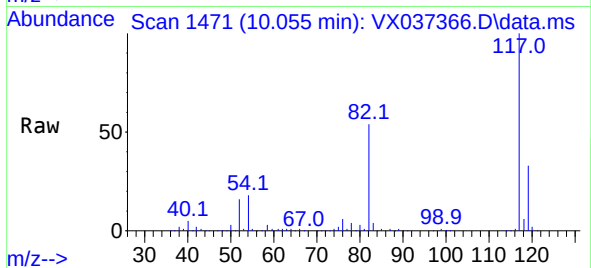




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX037366.D
Acq: 30 Aug 2023 03:33

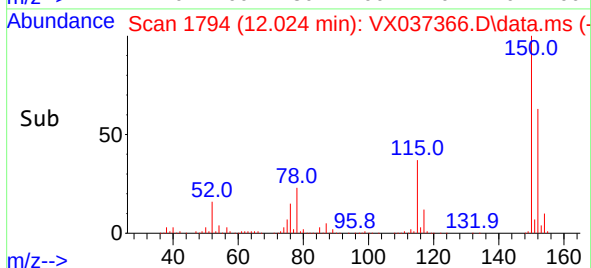
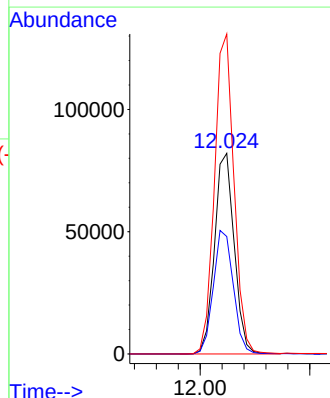
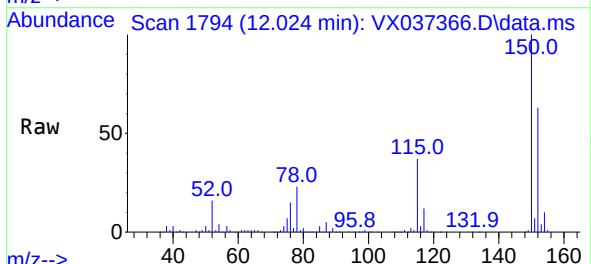
Instrument :
MSVOA_X
ClientSampleId :
OR-309-OK-370-VOC-20

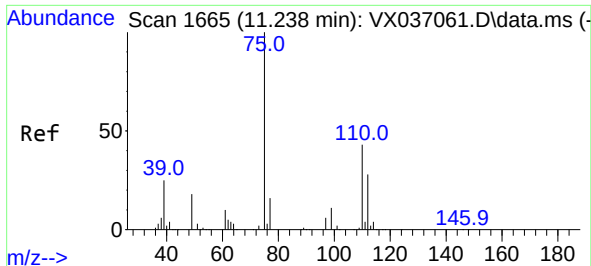
Tgt Ion:117 Resp: 220525
Ion Ratio Lower Upper
117 100
82 54.0 46.2 69.4
119 32.7 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX037366.D
Acq: 30 Aug 2023 03:33

Tgt Ion:152 Resp: 102536
Ion Ratio Lower Upper
152 100
115 62.5 43.3 129.9
150 158.8 0.0 345.0

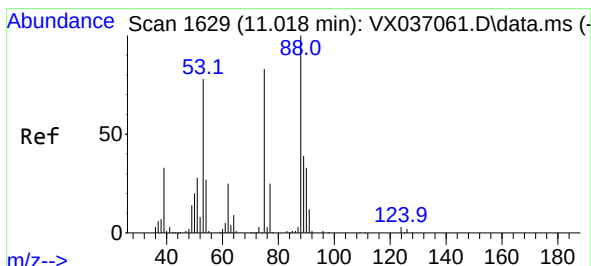
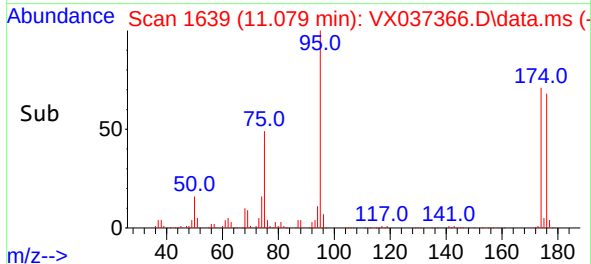
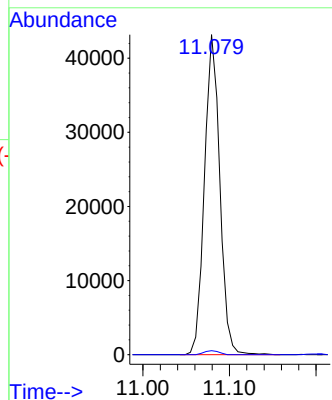
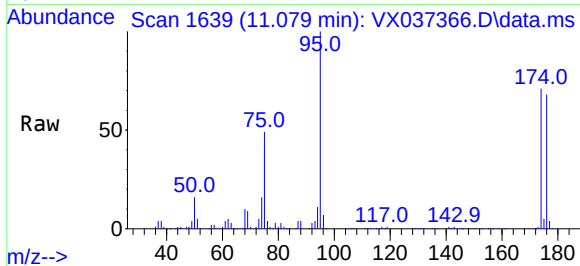




#76
1,2,3-Trichloropropane
Concen: 24.306 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX037366.D
Acq: 30 Aug 2023 03:33

Instrument :
MSVOA_X
ClientSampleId :
OR-309-OK-370-VOC-20

Tgt Ion: 75 Resp: 53076
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 67.887 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX037366.D
Acq: 30 Aug 2023 03:33

Tgt Ion: 75 Resp: 53076
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#

