

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082923\
 Data File : VX037364.D
 Acq On : 30 Aug 2023 02:45
 Operator : JC/MD
 Sample : 04196-25
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OR-345-VOC-04

Quant Time: Aug 30 03:49:11 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)

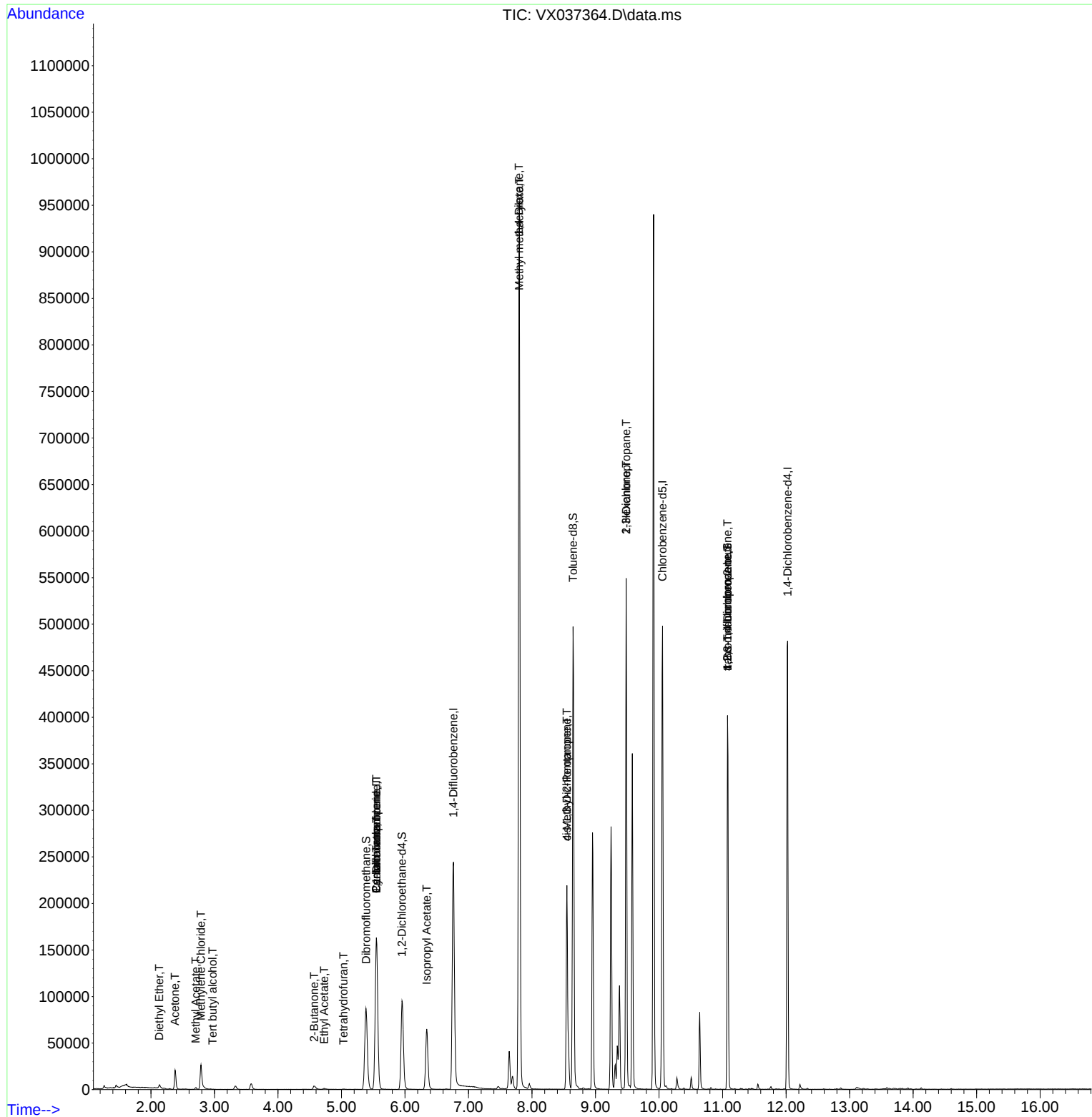
Internal Standards						
1) Pentafluorobenzene	5.550	168	154461	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	253433	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	230207	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	104836	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	95356	42.821	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	85.640%
35) Dibromofluoromethane	5.385	113	77950	46.442	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.880%
50) Toluene-d8	8.647	98	302107	49.621	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.240%
62) 4-Bromofluorobenzene	11.079	95	112656	47.085	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	94.160%
Target Compounds						
					Qvalue	
8) Diethyl Ether	2.130	74	1279	1.181	ug/l	97
11) Tert butyl alcohol	2.971	59	345	0.660	ug/l #	78
16) Acetone	2.380	43	22013	25.269	ug/l	90
18) Methyl Acetate	2.703	43	2512	0.766	ug/l	100
20) Methylene Chloride	2.788	84	15931	8.177	ug/l	86
25) 2-Butanone	4.568	43	7552	5.757	ug/l	95
29) Tetrahydrofuran	5.032	42	383	0.458	ug/l #	51
31) Cyclohexane	5.550	56	3031	1.211	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	11913	4.996	ug/l #	50
37) Ethyl Acetate	4.727	43	2635	1.082	ug/l #	89
38) Carbon Tetrachloride	5.550	117	16457	6.353	ug/l #	16
43) Isopropyl Acetate	6.342	43	86315	22.320	ug/l #	91
48) Methyl methacrylate	7.799	41	76192	40.399	ug/l #	47
49) 1,4-Dioxane	7.793	88	160	3.150	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	83363	35.499	ug/l #	37
54) cis-1,3-Dichloropropene	8.549	75	37676	12.869	ug/l #	49
57) 1,3-Dichloropropane	9.482	76	4816	1.553	ug/l #	42
59) 2-Hexanone	9.482	43	57649	32.197	ug/l #	55
76) 1,2,3-Trichloropropane	11.079	75	55660	24.930	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	55660	69.630	ug/l #	5

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

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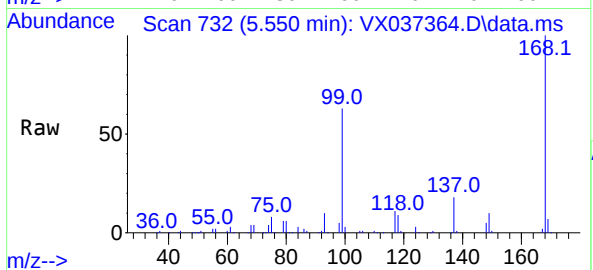
Quant Time: Aug 30 03:49:11 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 18 09:30:38 2023
Response via : Initial Calibration



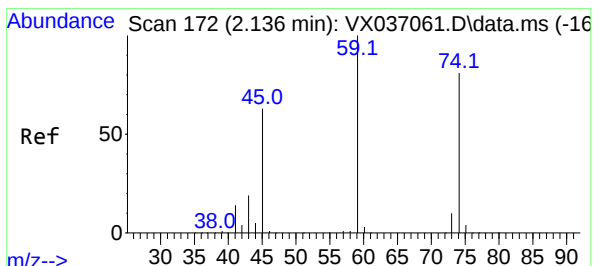
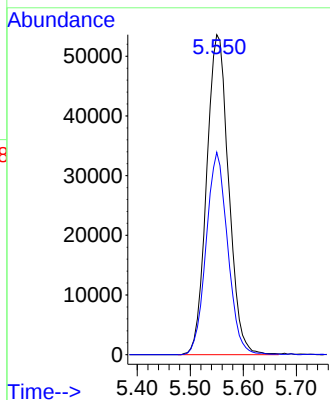
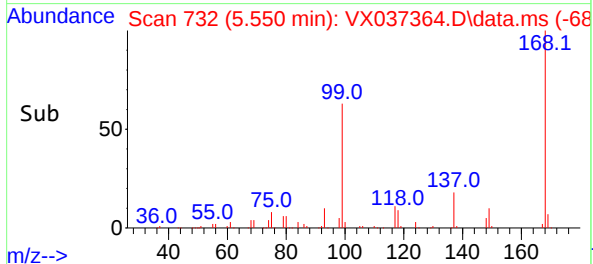


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX037364.D
Acq: 30 Aug 2023 02:45

Instrument :
MSVOA_X
ClientSampleId :
OR-345-VOC-04

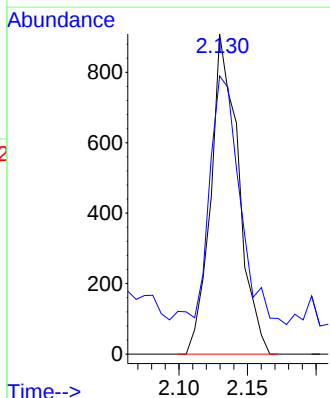
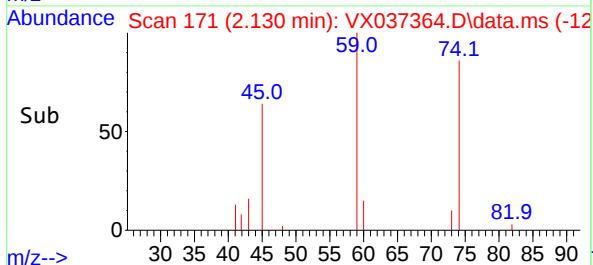
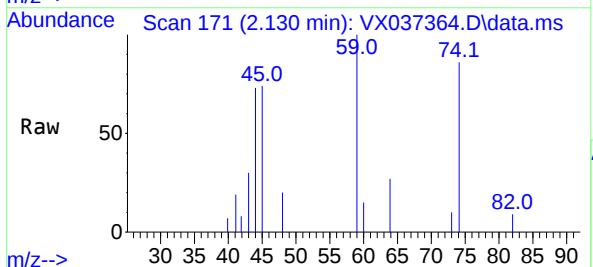


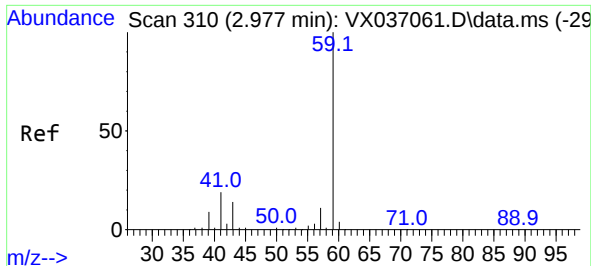
Tgt Ion:168 Resp: 154461
Ion Ratio Lower Upper
168 100
99 63.2 56.6 85.0



#8
Diethyl Ether
Concen: 1.181 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX037364.D
Acq: 30 Aug 2023 02:45

Tgt Ion: 74 Resp: 1279
Ion Ratio Lower Upper
74 100
45 102.9 53.3 159.8

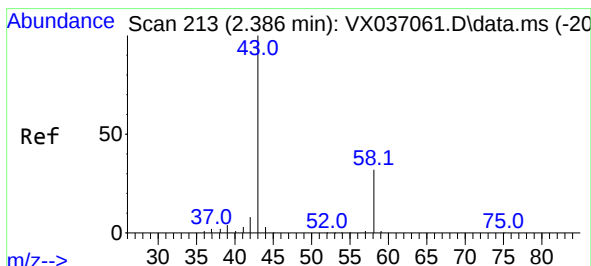
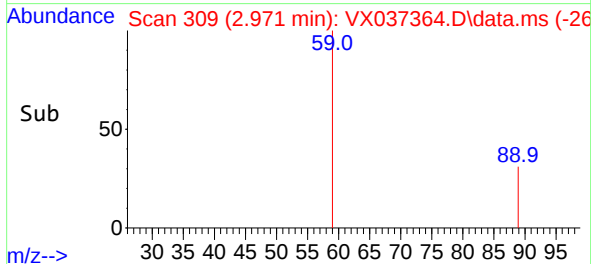
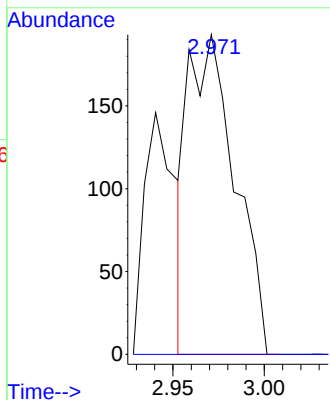
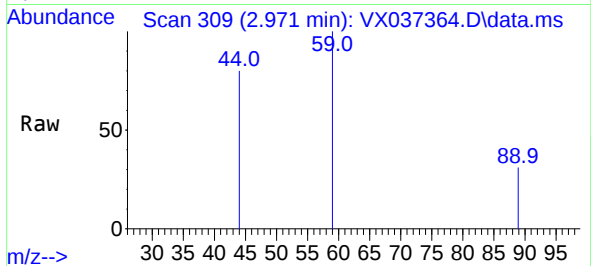




#11
Tert butyl alcohol
Concen: 0.660 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.006 min
Lab File: VX037364.D
Acq: 30 Aug 2023 02:45

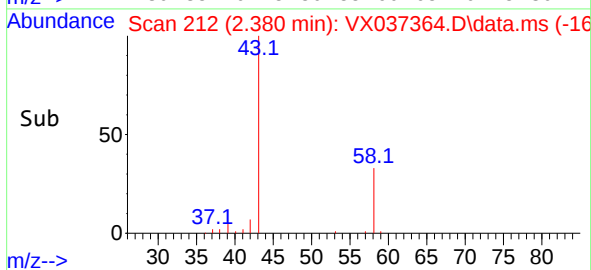
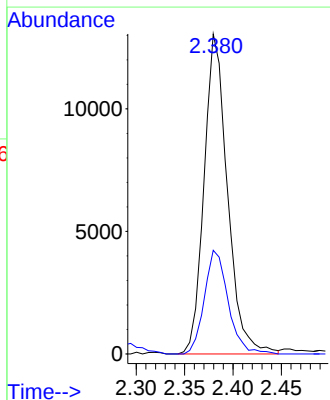
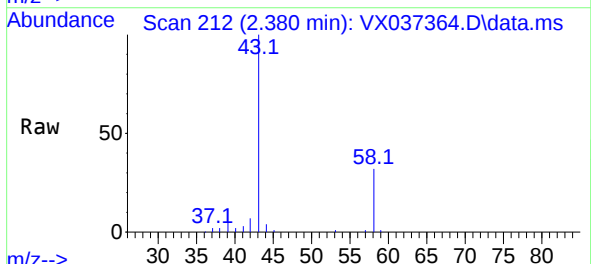
Instrument :
MSVOA_X
ClientSampleId :
OR-345-VOC-04

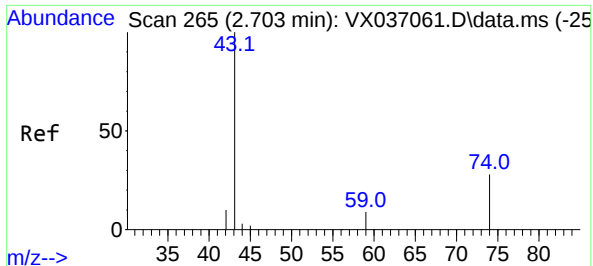
Tgt Ion: 59 Resp: 345
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



#16
Acetone
Concen: 25.269 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX037364.D
Acq: 30 Aug 2023 02:45

Tgt Ion: 43 Resp: 22013
Ion Ratio Lower Upper
43 100
58 32.4 21.9 32.9





#18

Methyl Acetate

Concen: 0.766 ug/l

RT: 2.703 min Scan# 2

Delta R.T. 0.000 min

Lab File: VX037364.D

Acq: 30 Aug 2023 02:45

Instrument :

MSVOA_X

ClientSampleId :

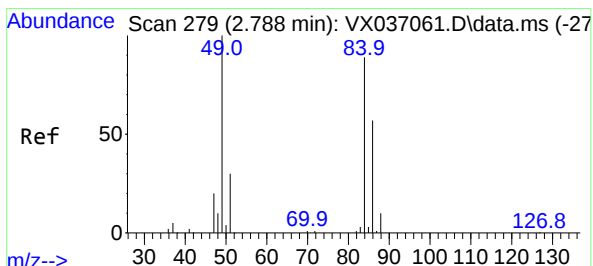
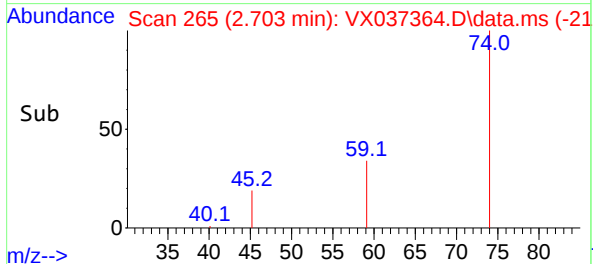
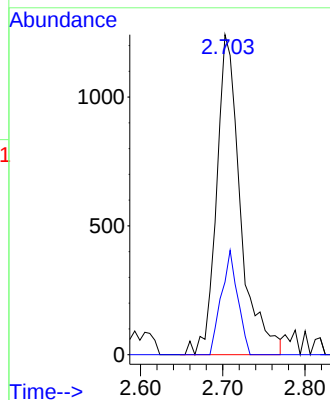
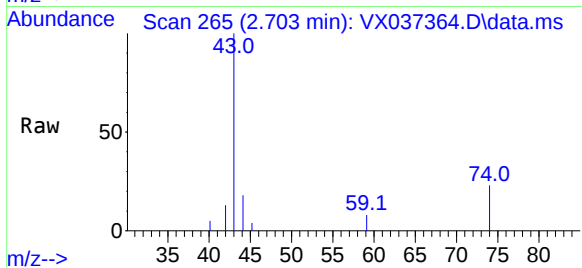
OR-345-VOC-04

Tgt Ion: 43 Resp: 2512

Ion Ratio Lower Upper

43 100

74 22.3 17.8 26.8



#20

Methylene Chloride

Concen: 8.177 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.000 min

Lab File: VX037364.D

Acq: 30 Aug 2023 02:45

Tgt Ion: 84 Resp: 15931

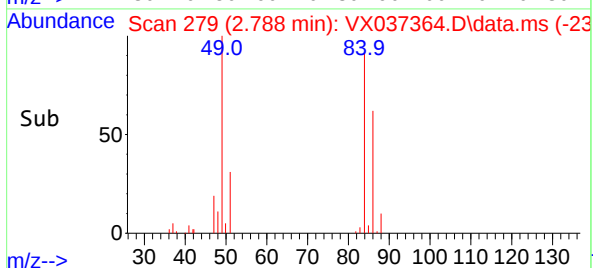
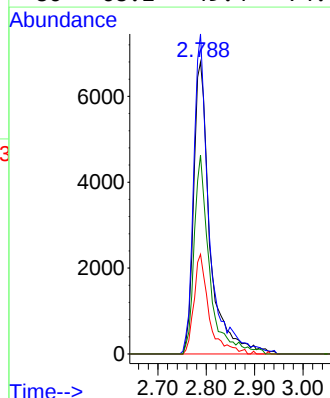
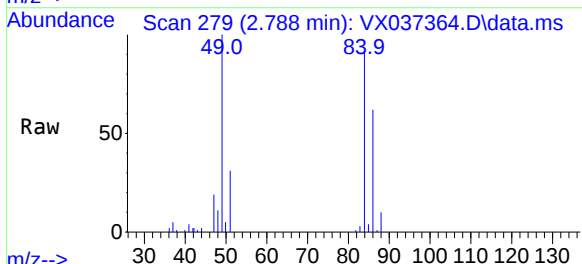
Ion Ratio Lower Upper

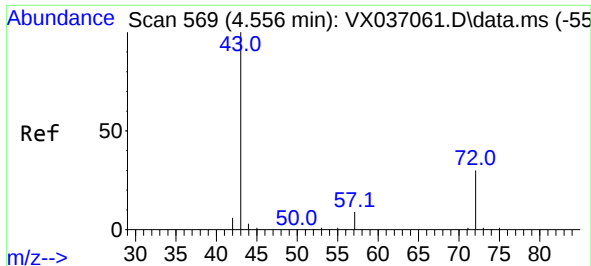
84 100

49 109.6 103.6 155.4

51 34.2 33.8 50.6

86 68.2 49.4 74.0

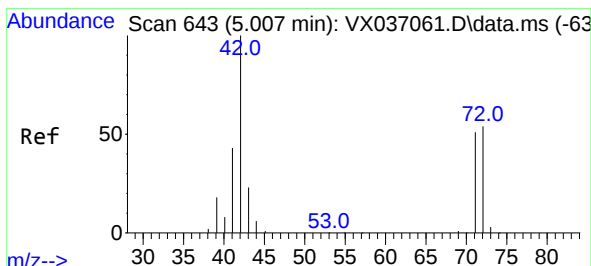
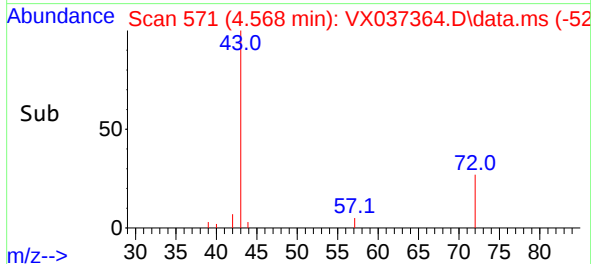
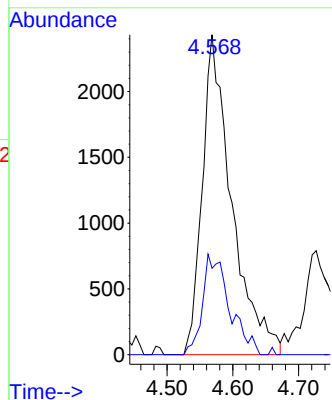
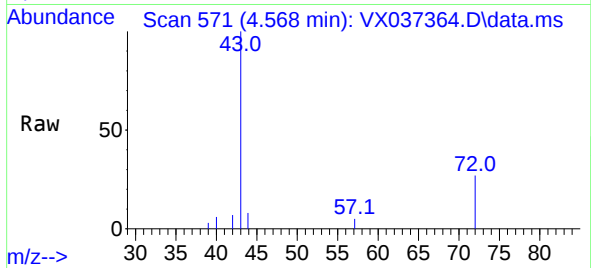




#25
2-Butanone
Concen: 5.757 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX037364.D
Acq: 30 Aug 2023 02:45

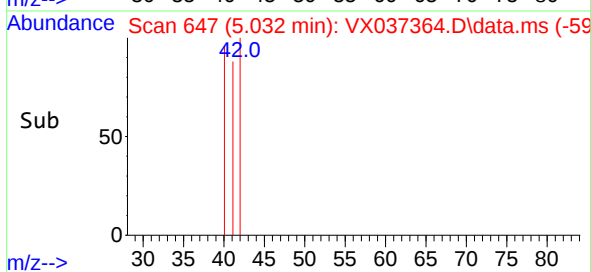
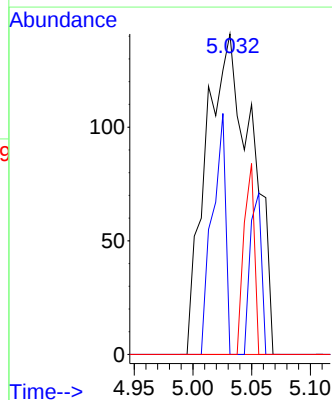
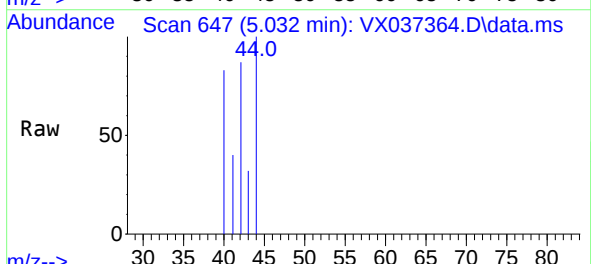
Instrument :
MSVOA_X
ClientSampleId :
OR-345-VOC-04

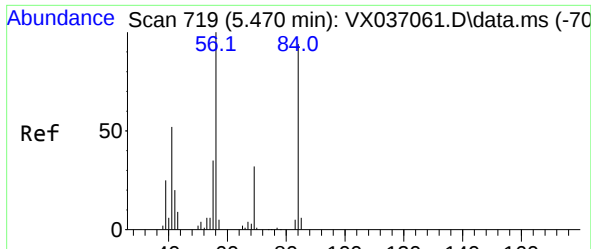
Tgt Ion: 43 Resp: 7552
Ion Ratio Lower Upper
43 100
72 27.0 19.4 29.2



#29
Tetrahydrofuran
Concen: 0.458 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.024 min
Lab File: VX037364.D
Acq: 30 Aug 2023 02:45

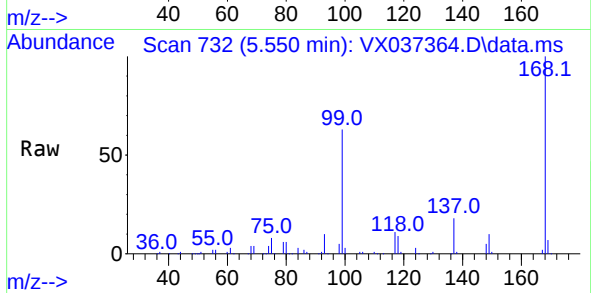
Tgt Ion: 42 Resp: 383
Ion Ratio Lower Upper
42 100
72 21.7 34.2 51.4#
71 0.0 32.2 48.2#



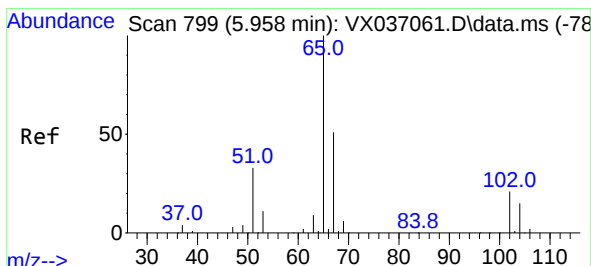
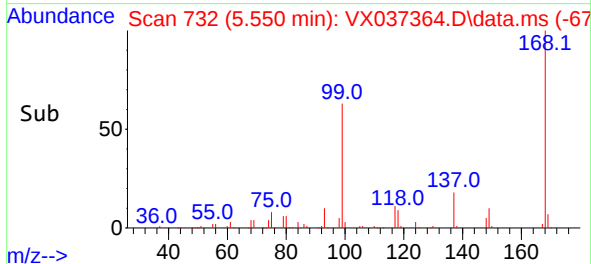
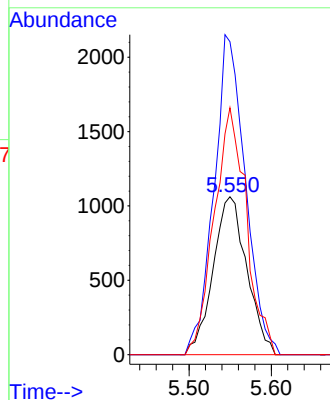


#31
Cyclohexane
Concen: 1.211 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX037364.D
Acq: 30 Aug 2023 02:45

Instrument :
MSVOA_X
ClientSampleId :
OR-345-VOC-04

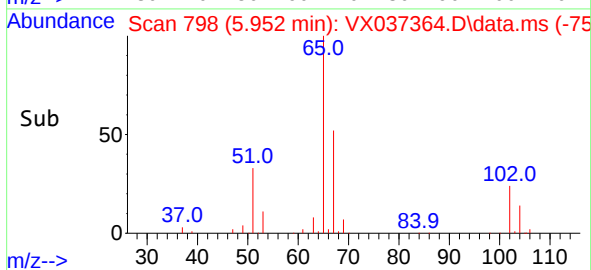
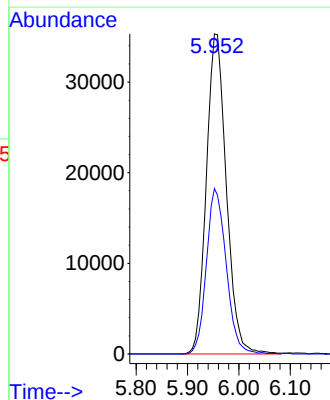
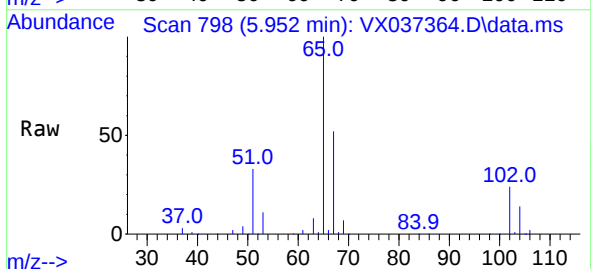


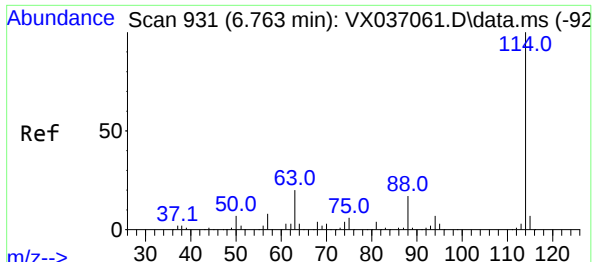
Tgt Ion: 56 Resp: 3031
Ion Ratio Lower Upper
56 100
69 198.2 23.4 35.2#
84 156.3 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 42.821 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX037364.D
Acq: 30 Aug 2023 02:45

Tgt Ion: 65 Resp: 95356
Ion Ratio Lower Upper
65 100
67 51.1 0.0 100.2

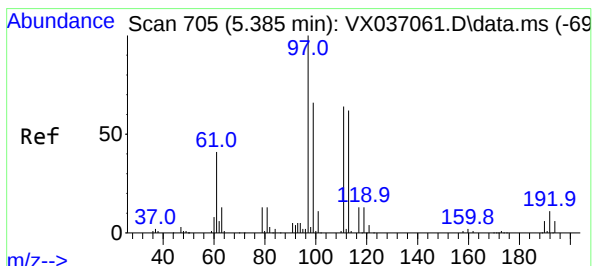
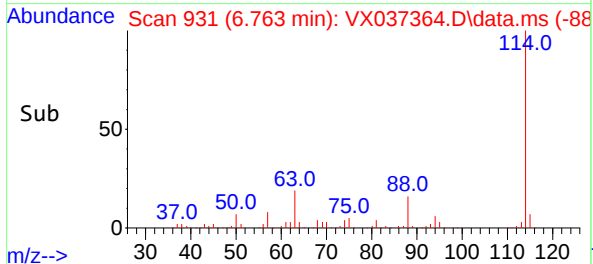
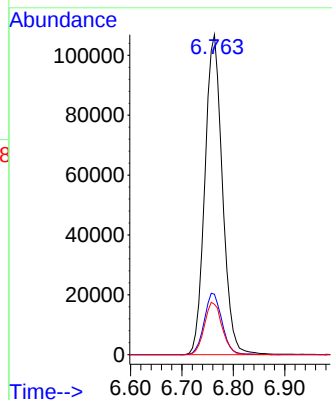
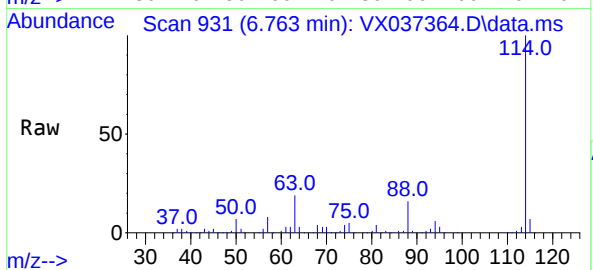




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX037364.D
Acq: 30 Aug 2023 02:45

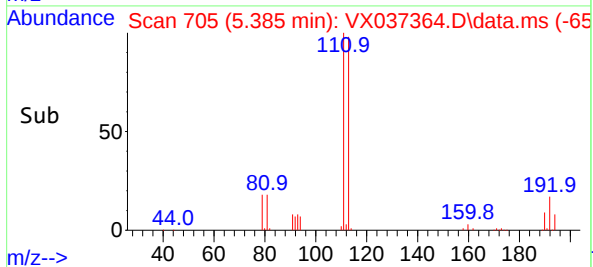
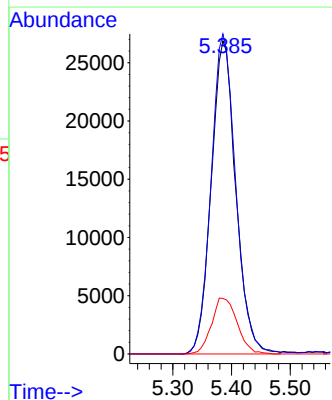
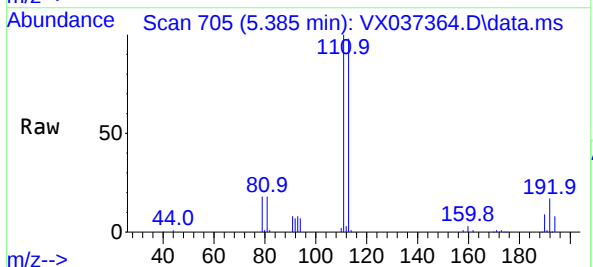
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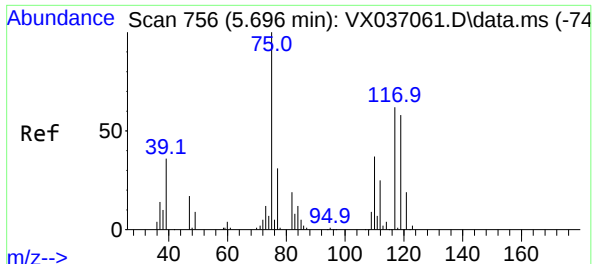
Tgt Ion:114 Resp: 253433
Ion Ratio Lower Upper
114 100
63 18.9 0.0 45.0
88 15.8 0.0 36.6



#35
Dibromofluoromethane
Concen: 46.442 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX037364.D
Acq: 30 Aug 2023 02:45

Tgt Ion:113 Resp: 77950
Ion Ratio Lower Upper
113 100
111 102.6 82.9 124.3
192 18.6 13.3 19.9

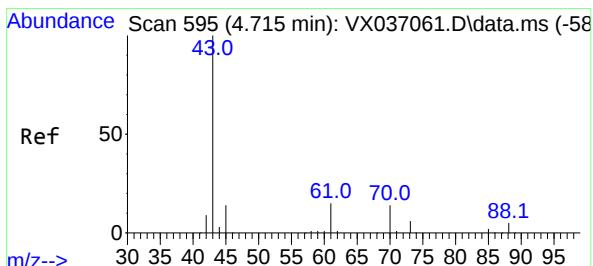
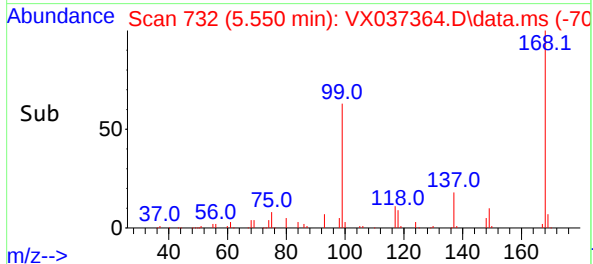
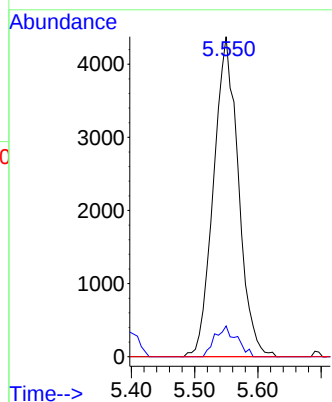
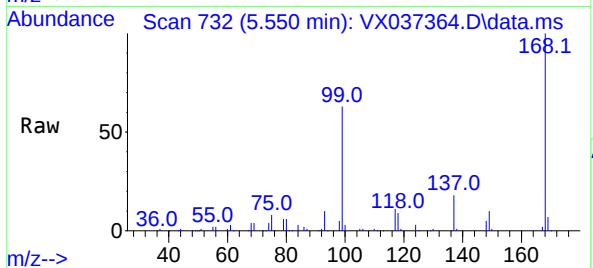




#36
1,1-Dichloropropene
Concen: 4.996 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX037364.D
Acq: 30 Aug 2023 02:45

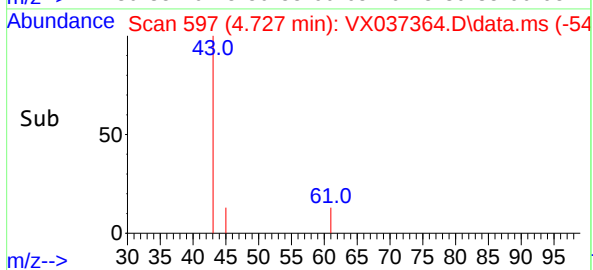
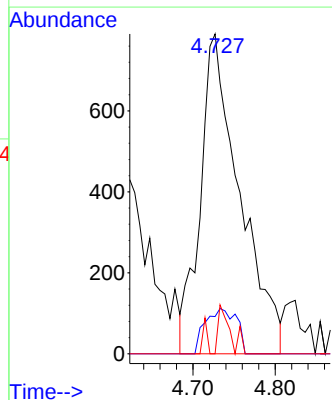
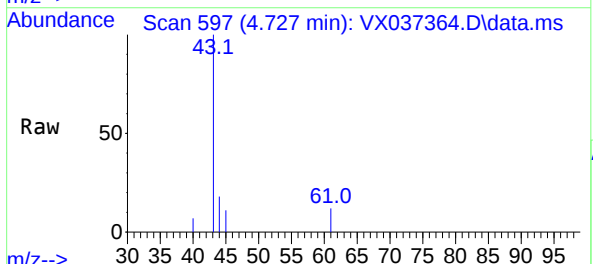
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OR-345-VOC-04

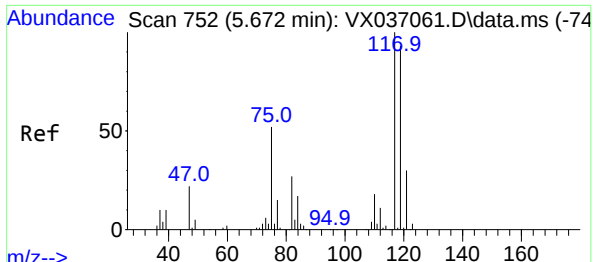
Tgt Ion: 75 Resp: 11913
Ion Ratio Lower Upper
75 100
110 8.4 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 1.082 ug/l
RT: 4.727 min Scan# 597
Delta R.T. 0.012 min
Lab File: VX037364.D
Acq: 30 Aug 2023 02:45

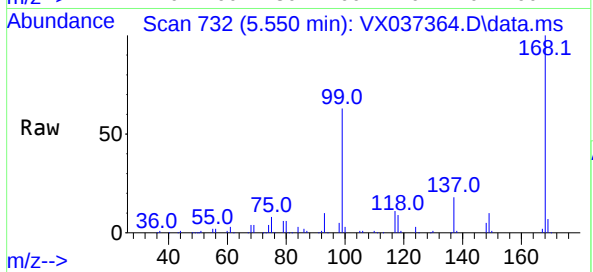
Tgt Ion: 43 Resp: 2635
Ion Ratio Lower Upper
43 100
61 11.2 10.6 16.0
70 3.8 8.3 12.5#



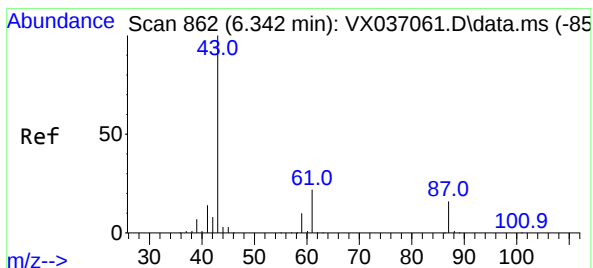
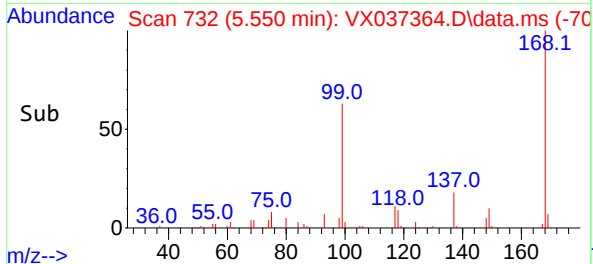
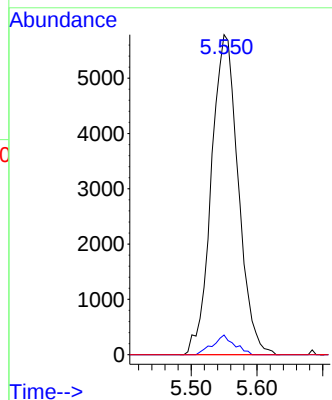


#38
Carbon Tetrachloride
Concen: 6.353 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX037364.D
Acq: 30 Aug 2023 02:45

Instrument :
MSVOA_X
ClientSampleId :
OR-345-VOC-04

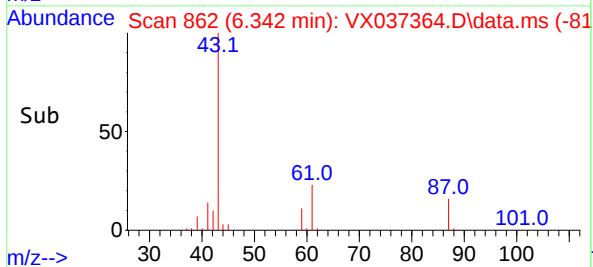
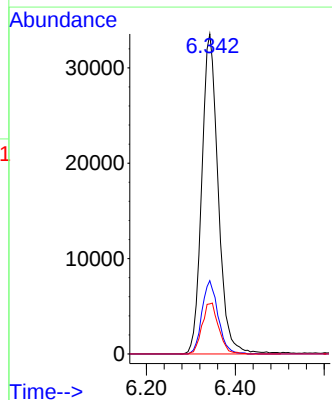
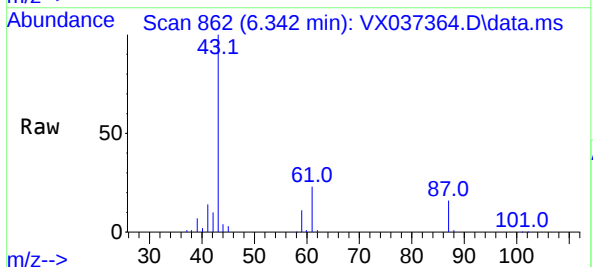


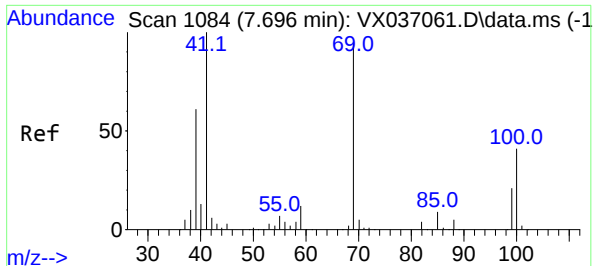
Tgt Ion:117 Resp: 16457
Ion Ratio Lower Upper
117 100
119 6.2 78.2 117.2#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 22.320 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX037364.D
Acq: 30 Aug 2023 02:45

Tgt Ion: 43 Resp: 86315
Ion Ratio Lower Upper
43 100
61 22.4 15.2 22.8
87 16.1 9.8 14.6#

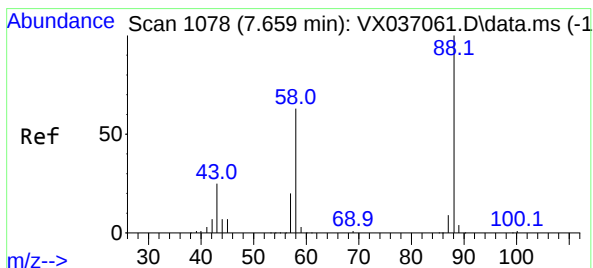
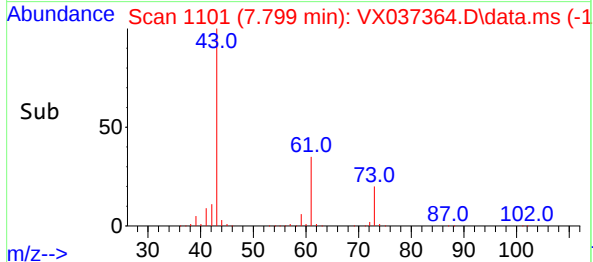
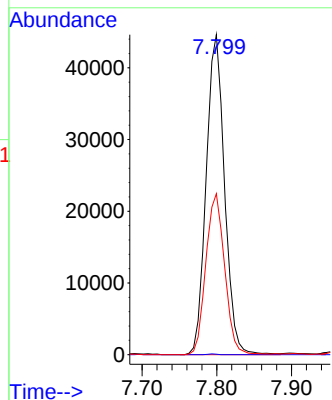
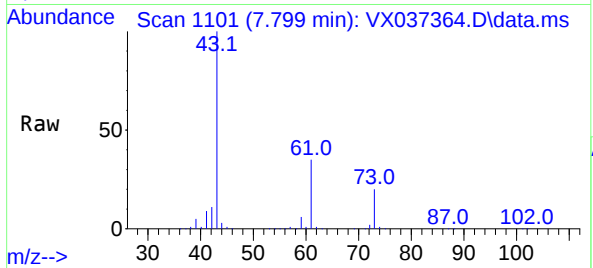




#48
Methyl methacrylate
Concen: 40.399 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.104 min
Lab File: VX037364.D
Acq: 30 Aug 2023 02:45

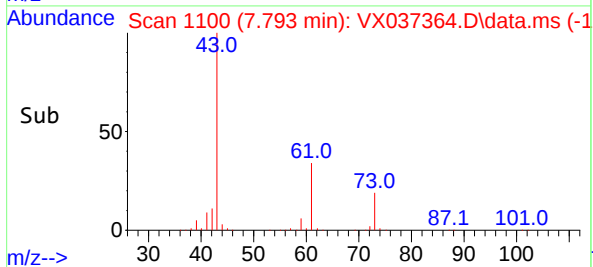
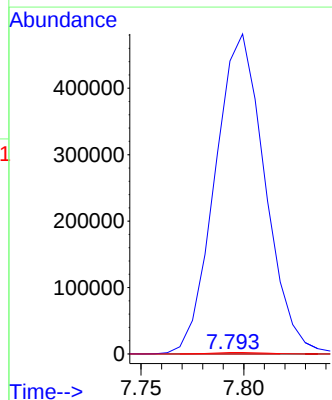
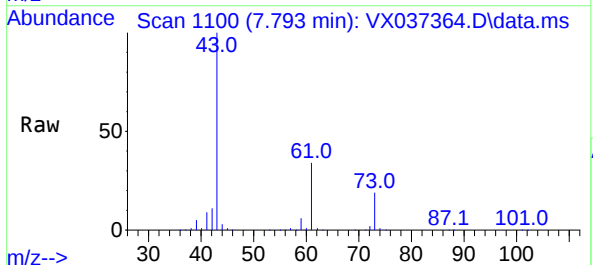
Instrument :
MSVOA_X
ClientSampleId :
OR-345-VOC-04

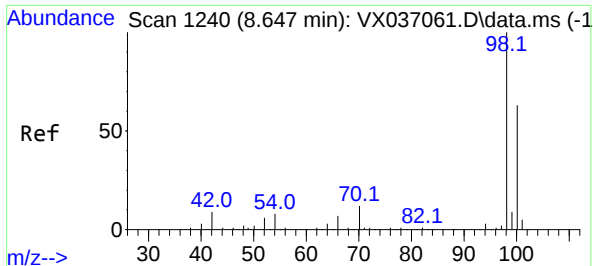
Tgt Ion: 41 Resp: 76192
Ion Ratio Lower Upper
41 100
69 0.1 59.2 88.8#
39 51.4 47.7 71.5



#49
1,4-Dioxane
Concen: 3.150 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.134 min
Lab File: VX037364.D
Acq: 30 Aug 2023 02:45

Tgt Ion: 88 Resp: 160
Ion Ratio Lower Upper
88 100
43 514148.8 0.0 0.0#
58 2408.8 60.1 90.1#

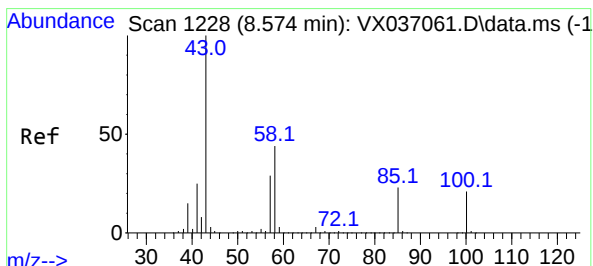
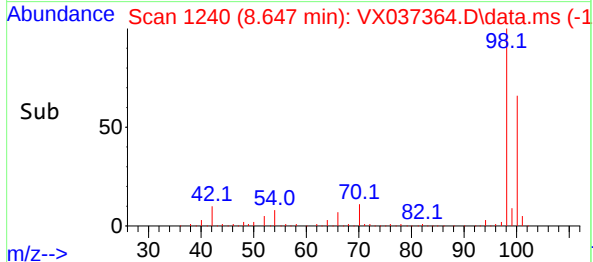
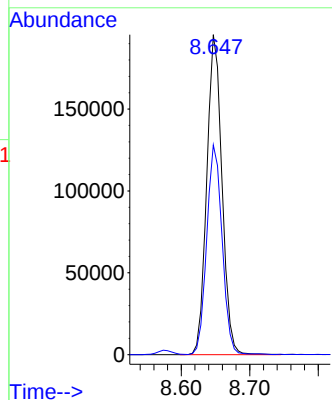
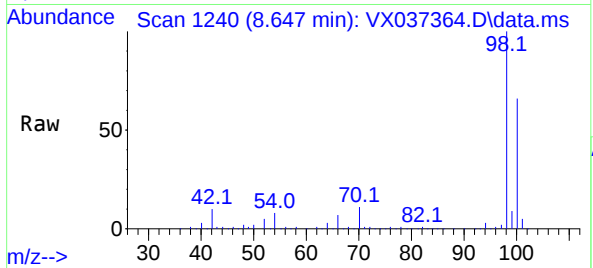




#50
Toluene-d8
Concen: 49.621 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX037364.D
Acq: 30 Aug 2023 02:45

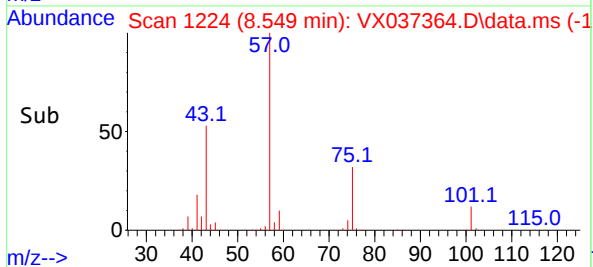
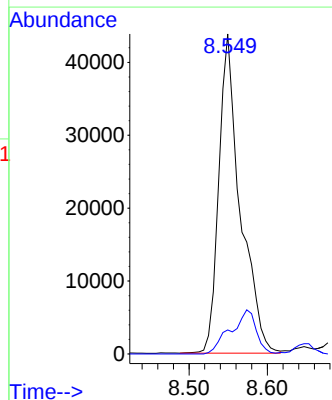
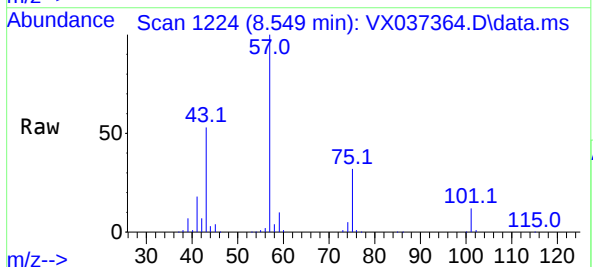
Instrument :
MSVOA_X
ClientSampleId :
OR-345-VOC-04

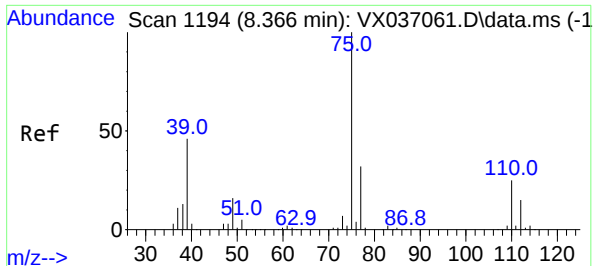
Tgt Ion: 98 Resp: 302107
Ion Ratio Lower Upper
98 100
100 66.2 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 35.499 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX037364.D
Acq: 30 Aug 2023 02:45

Tgt Ion: 43 Resp: 83363
Ion Ratio Lower Upper
43 100
58 0.0 30.4 45.6#





#54

cis-1,3-Dichloropropene

Concen: 12.869 ug/l

RT: 8.549 min Scan# 1194

Delta R.T. 0.183 min

Lab File: VX037364.D

Acq: 30 Aug 2023 02:45

Instrument :

MSVOA_X

ClientSampleId :

OR-345-VOC-04

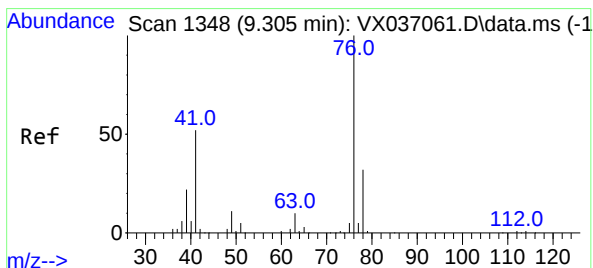
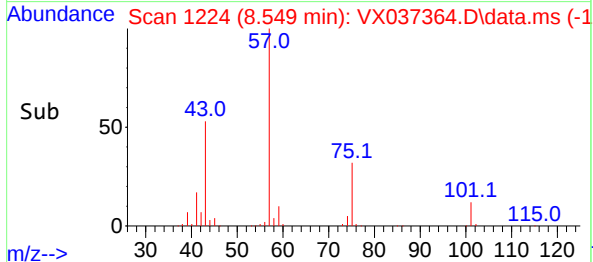
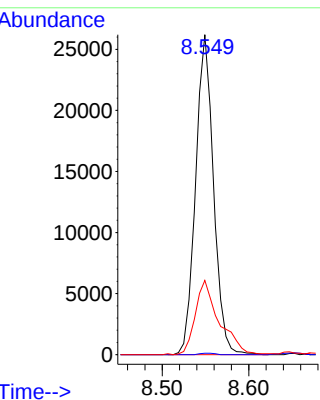
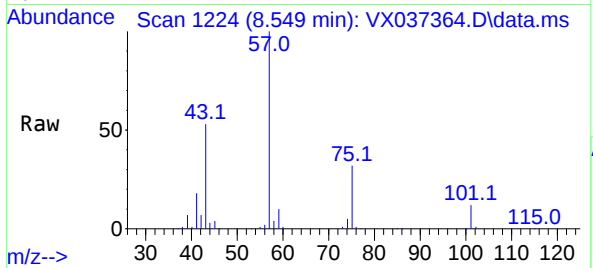
Tgt Ion: 75 Resp: 37676

Ion Ratio Lower Upper

75 100

77 0.5 25.3 37.9#

39 22.9 46.7 70.1#



#57

1,3-Dichloropropane

Concen: 1.553 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX037364.D

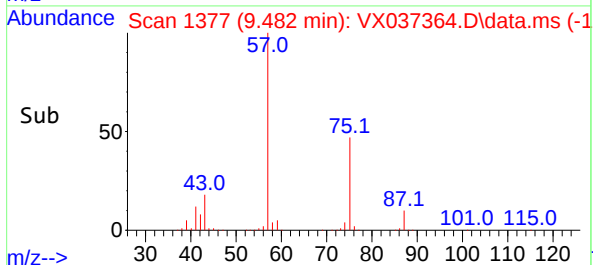
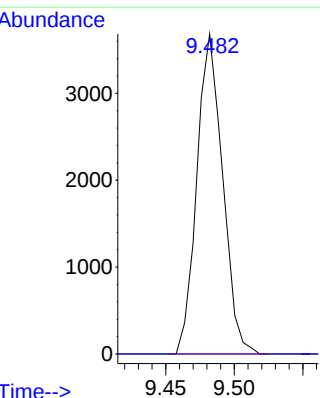
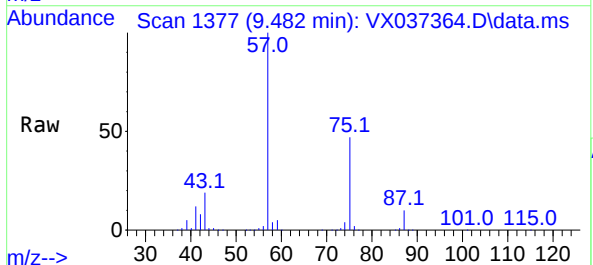
Acq: 30 Aug 2023 02:45

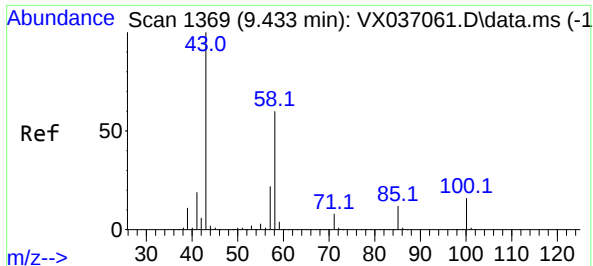
Tgt Ion: 76 Resp: 4816

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#





#59

2-Hexanone

Concen: 32.197 ug/l

RT: 9.482 min Scan# 1

Delta R.T. 0.049 min

Lab File: VX037364.D

Acq: 30 Aug 2023 02:45

Instrument :

MSVOA_X

ClientSampleId :

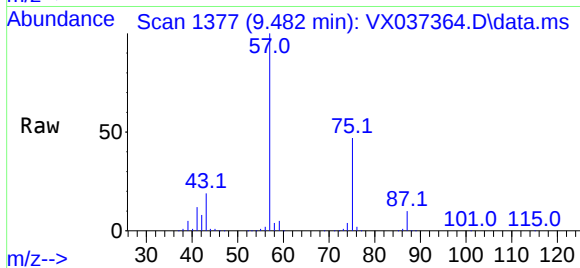
OR-345-VOC-04

Tgt Ion: 43 Resp: 57649

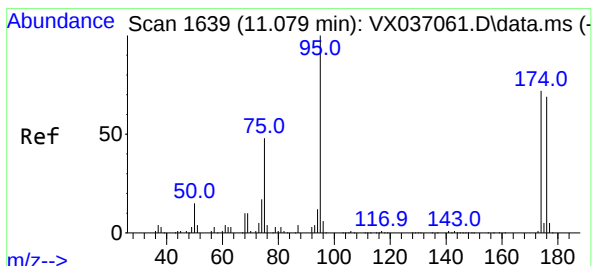
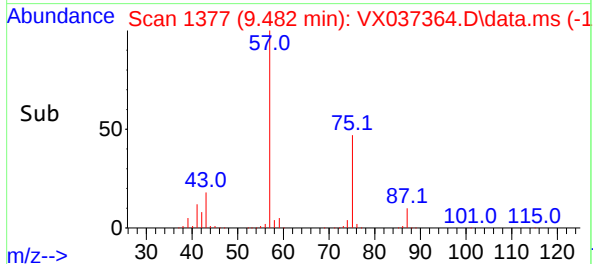
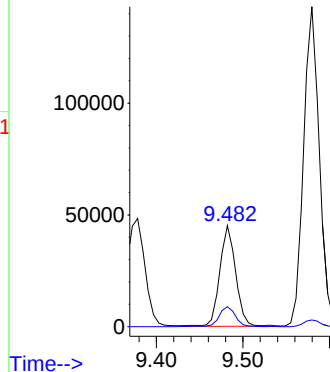
Ion Ratio Lower Upper

43 100

58 20.4 26.2 78.5#



Abundance



#62

4-Bromofluorobenzene

Concen: 47.085 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX037364.D

Acq: 30 Aug 2023 02:45

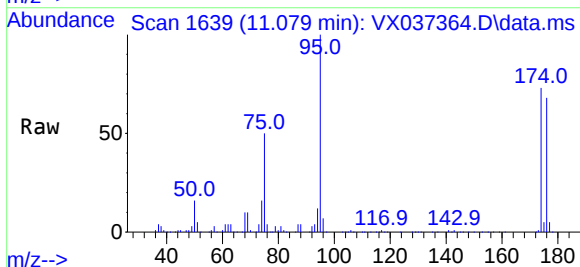
Tgt Ion: 95 Resp: 112656

Ion Ratio Lower Upper

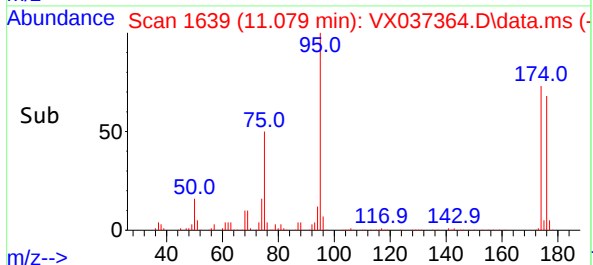
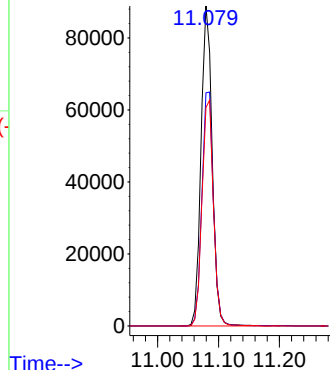
95 100

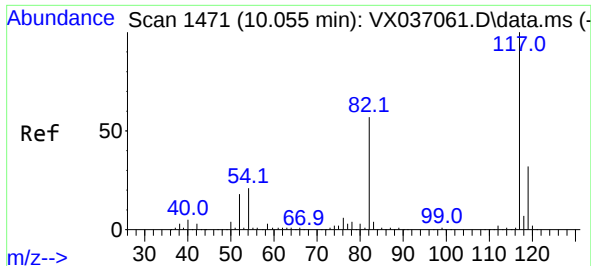
174 75.8 0.0 135.6

176 72.8 0.0 131.0



Abundance

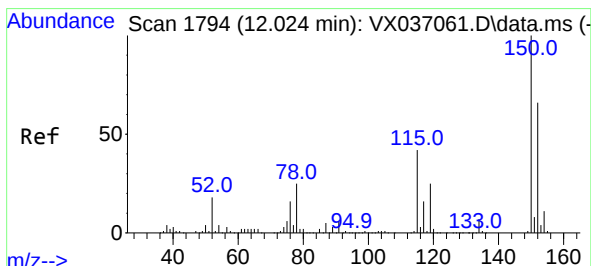
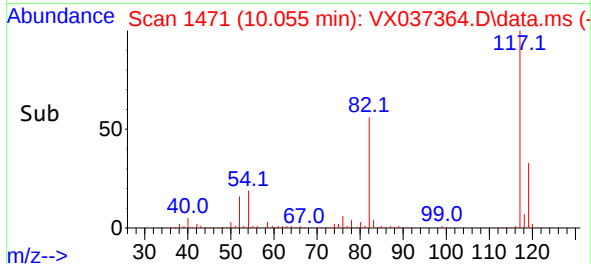
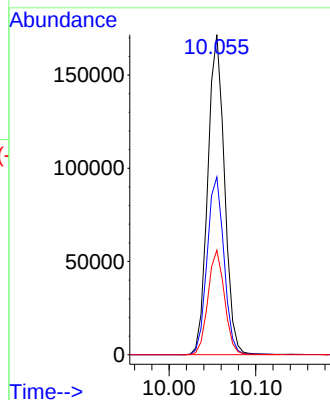
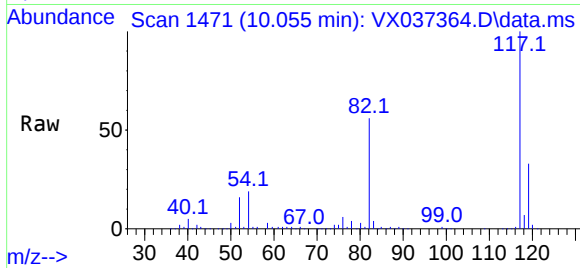




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX037364.D
Acq: 30 Aug 2023 02:45

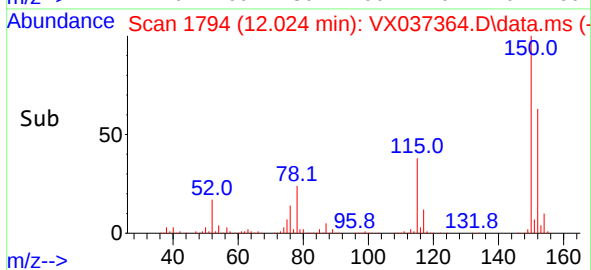
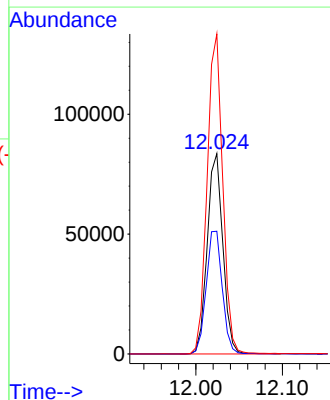
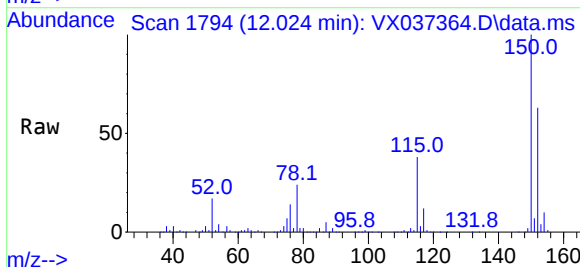
Instrument :
MSVOA_X
ClientSampleId :
OR-345-VOC-04

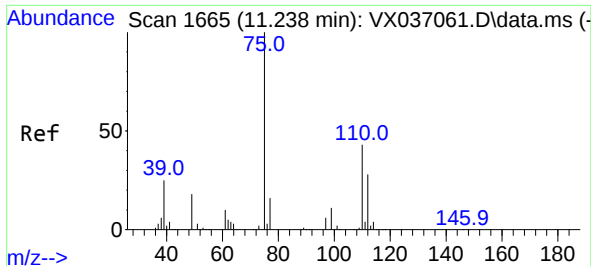
Tgt Ion:117 Resp: 230207
Ion Ratio Lower Upper
117 100
82 55.5 46.2 69.4
119 32.6 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX037364.D
Acq: 30 Aug 2023 02:45

Tgt Ion:152 Resp: 104836
Ion Ratio Lower Upper
152 100
115 63.3 43.3 129.9
150 159.2 0.0 345.0

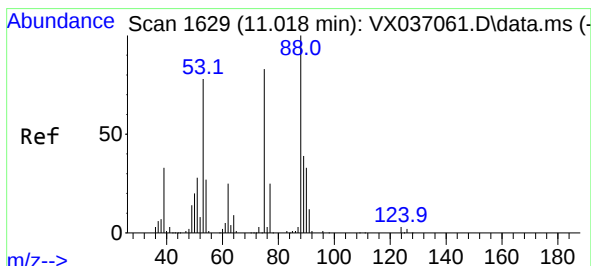
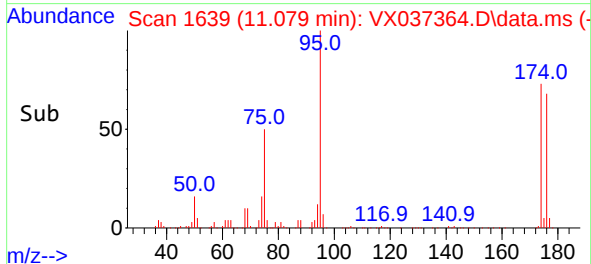
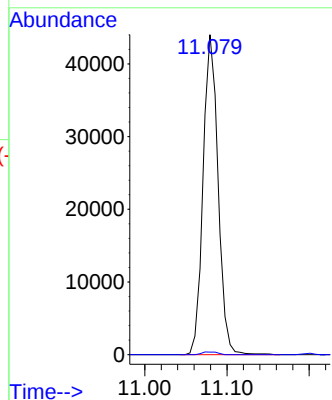
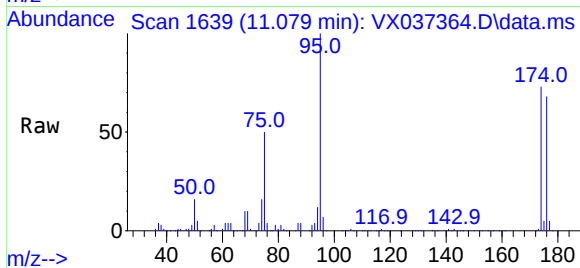




#76
1,2,3-Trichloropropane
Concen: 24.930 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX037364.D
Acq: 30 Aug 2023 02:45

Instrument :
MSVOA_X
ClientSampleId :
OR-345-VOC-04

Tgt Ion: 75 Resp: 55660
Ion Ratio Lower Upper
75 100
77 0.9 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 69.630 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX037364.D
Acq: 30 Aug 2023 02:45

Tgt Ion: 75 Resp: 55660
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#

