

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122022\
 Data File : VX033505.D
 Acq On : 20 Dec 2022 14:08
 Operator : JC/MD
 Sample : N6149-04 100X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RING-1

Quant Time: Dec 21 04:14:24 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120722W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 07 12:43:54 2022
 Response via : Initial Calibration

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

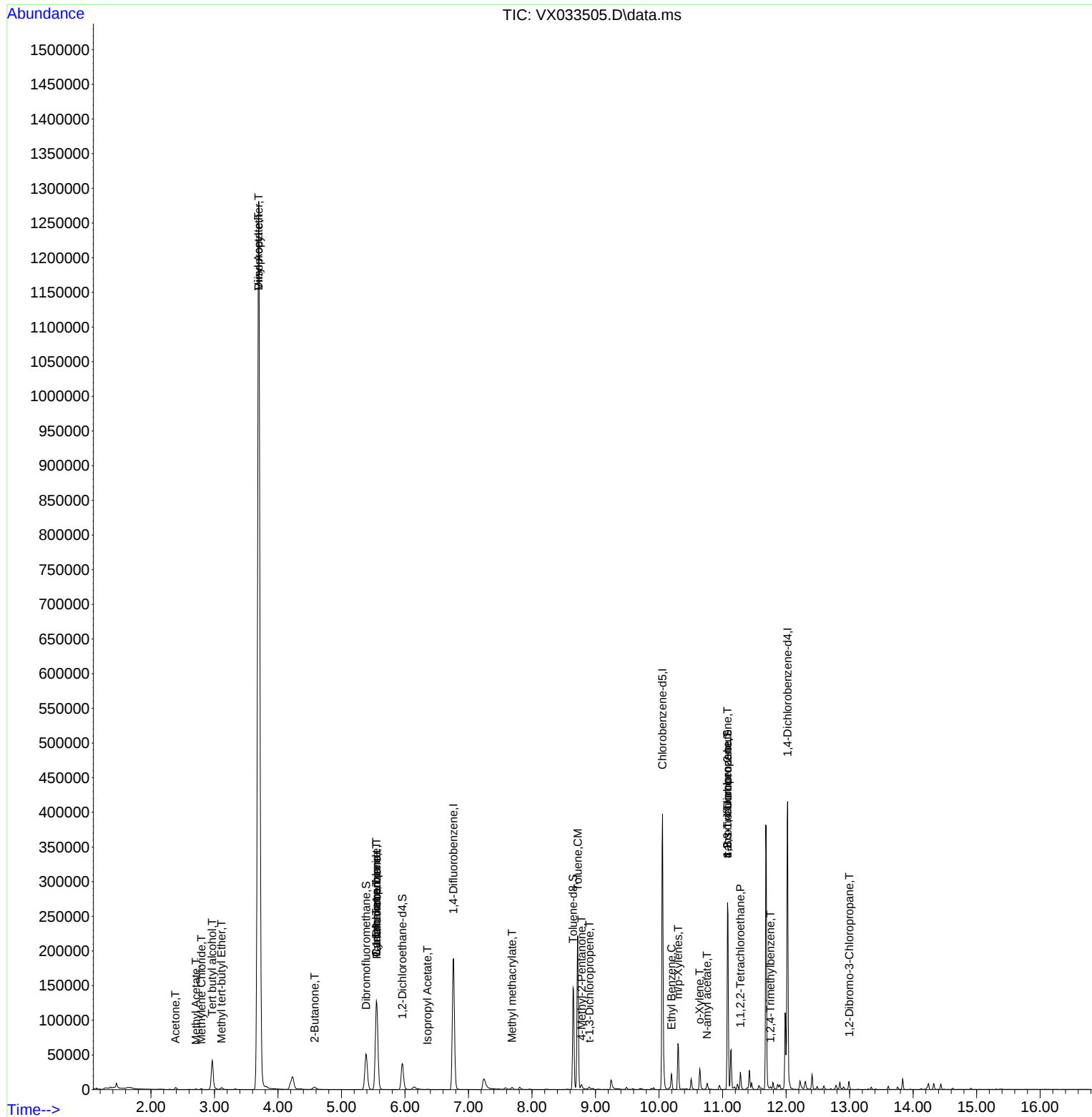
Internal Standards						
1) Pentafluorobenzene	5.556	168	126152	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	202358	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	180972	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	87790	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	38333	47.365	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	94.740%		
35) Dibromofluoromethane	5.385	113	44938	49.373	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.740%		
50) Toluene-d8	8.647	98	90460	47.510	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	95.020%		
62) 4-Bromofluorobenzene	11.079	95	72072	49.505	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.020%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.965	59	6257	25.288	ug/l #	91
16) Acetone	2.386	43	3868	6.459	ug/l	91
18) Methyl Acetate	2.709	43	1446	0.834	ug/l #	88
19) Methyl tert-butyl Ether	3.111	73	2784	0.703	ug/l	93
20) Methylene Chloride	2.794	84	720	0.539	ug/l	89
22) Diisopropyl ether	3.696	45	39619	10.125	ug/l #	1
23) Vinyl Acetate	3.690	43	2932	0.965	ug/l #	72
25) 2-Butanone	4.574	43	1445	1.681	ug/l	91
31) Cyclohexane	5.550	56	2444	1.271	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	9347	5.267	ug/l #	49
38) Carbon Tetrachloride	5.550	117	12902	6.489	ug/l #	16
43) Isopropyl Acetate	6.355	43	693	0.257	ug/l #	61
48) Methyl methacrylate	7.684	41	1646	1.182	ug/l #	33
51) 4-Methyl-2-Pentanone	8.781	43	502	0.294	ug/l	91
52) Toluene	8.720	92	83205	24.873	ug/l	98
53) t-1,3-Dichloropropene	8.903	75	1222	3.055	ug/l #	43
67) Ethyl Benzene	10.195	91	12621	1.977	ug/l	99
68) m/p-Xylenes	10.299	106	15651	6.301	ug/l	99
69) o-Xylene	10.640	106	6716	2.735	ug/l	97
74) N-amyl acetate	10.756	43	1027	0.473	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	11.281	83	1201	0.595	ug/l #	26
76) 1,2,3-Trichloropropane	11.079	75	36157	20.244	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	36157	62.971	ug/l #	6
84) 1,2,4-Trimethylbenzene	11.756	105	1392	0.263	ug/l	90
92) 1,2-Dibromo-3-Chloropr...	12.994	75	97	0.222	ug/l #	1

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

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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RING-1

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120722W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 07 12:43:54 2022
Response via : Initial Calibration

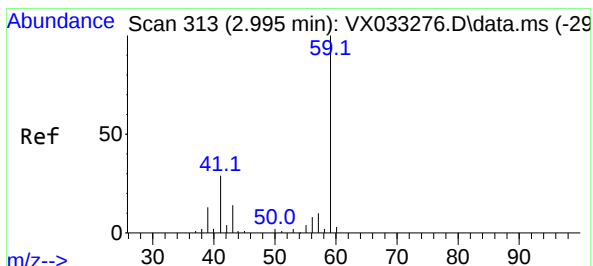
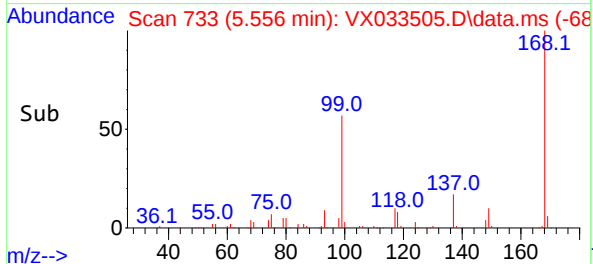
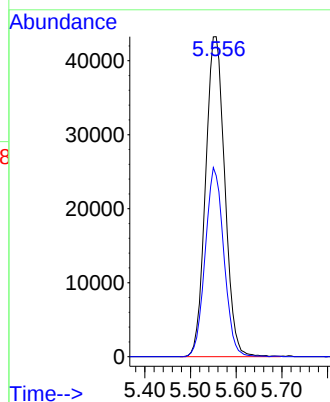
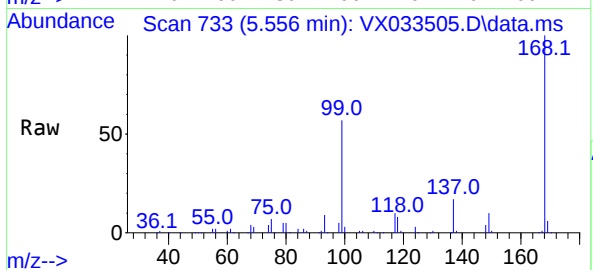




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX033505.D
Acq: 20 Dec 2022 14:08

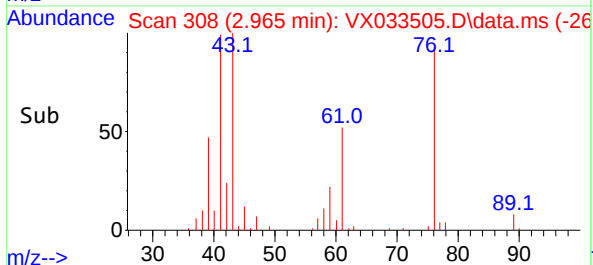
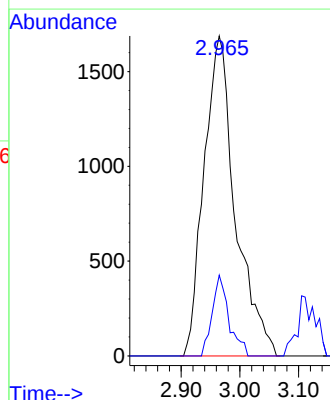
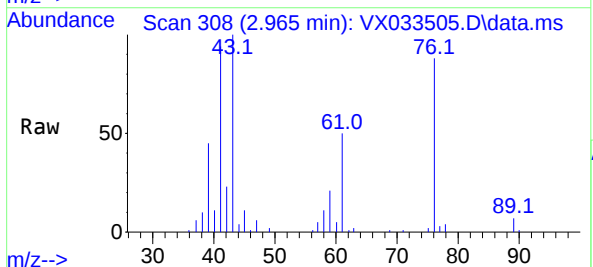
Instrument :
MSVOA_X
ClientSampleId :
RING-1

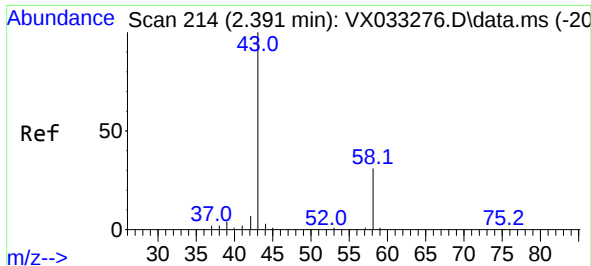
Tgt Ion:168 Resp: 126152
Ion Ratio Lower Upper
168 100
99 56.5 46.1 69.1



#11
Tert butyl alcohol
Concen: 25.288 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.030 min
Lab File: VX033505.D
Acq: 20 Dec 2022 14:08

Tgt Ion: 59 Resp: 6257
Ion Ratio Lower Upper
59 100
57 13.5 8.2 12.4#

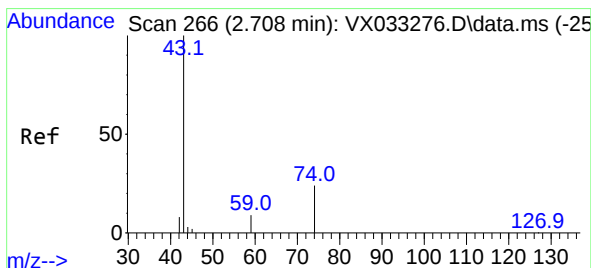
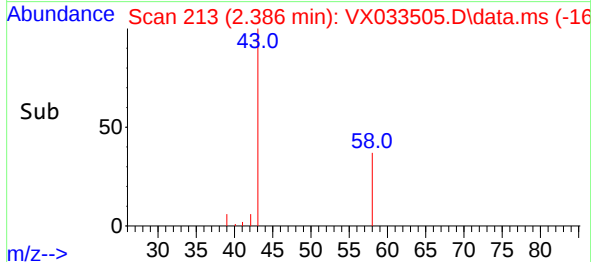
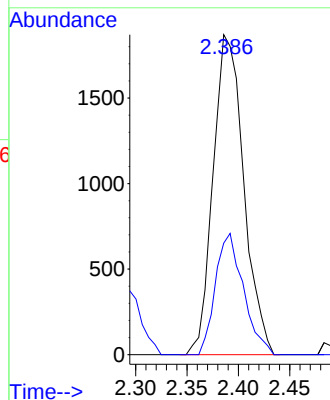
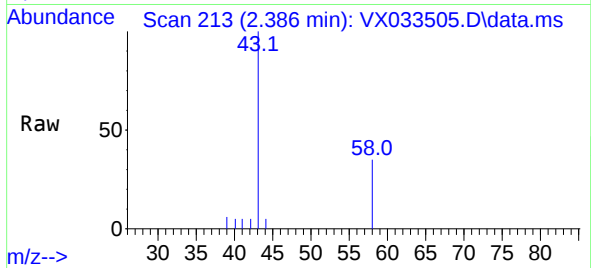




#16
Acetone
Concen: 6.459 ug/l
RT: 2.386 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX033505.D
Acq: 20 Dec 2022 14:08

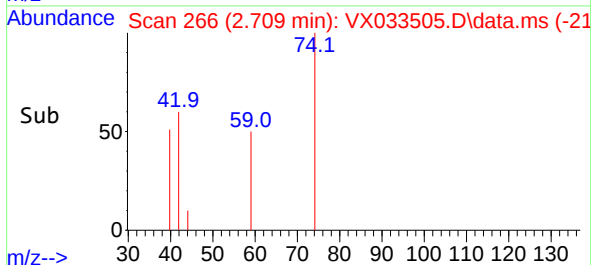
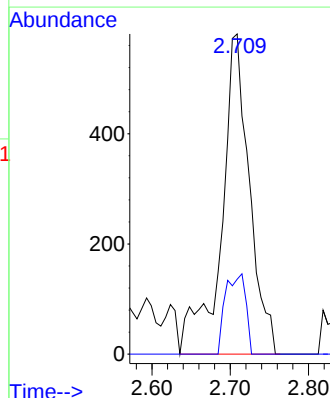
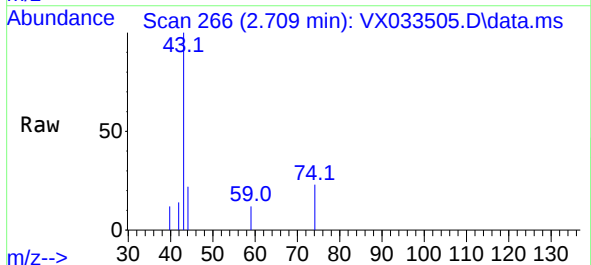
Instrument :
MSVOA_X
ClientSampleId :
RING-1

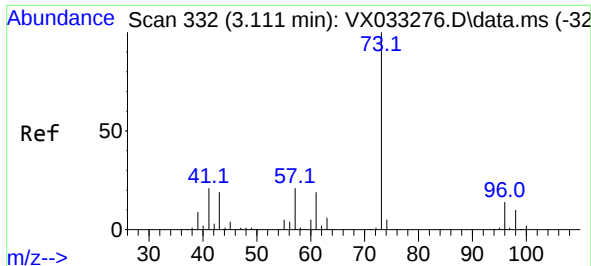
Tgt Ion: 43 Resp: 3868
Ion Ratio Lower Upper
43 100
58 34.9 23.8 35.8



#18
Methyl Acetate
Concen: 0.834 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.000 min
Lab File: VX033505.D
Acq: 20 Dec 2022 14:08

Tgt Ion: 43 Resp: 1446
Ion Ratio Lower Upper
43 100
74 18.0 19.4 29.0#

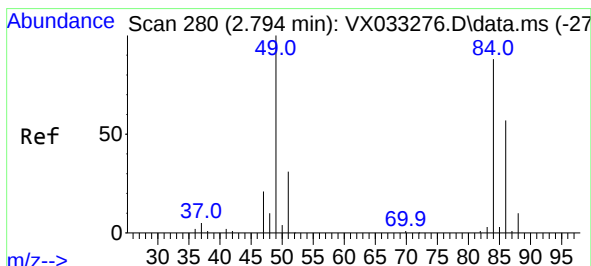
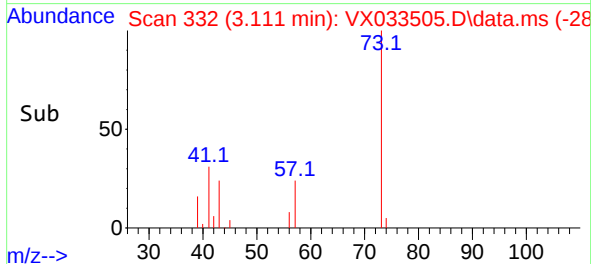
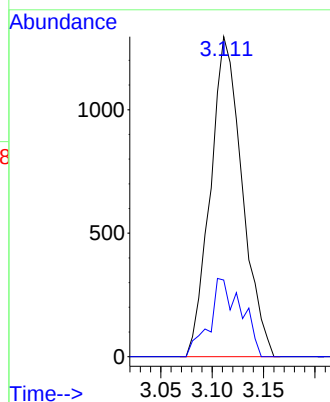
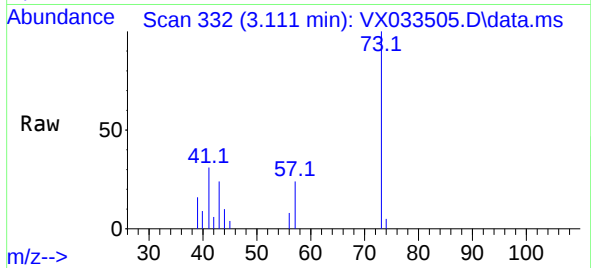




#19
Methyl tert-butyl Ether
Concen: 0.703 ug/l
RT: 3.111 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX033505.D
Acq: 20 Dec 2022 14:08

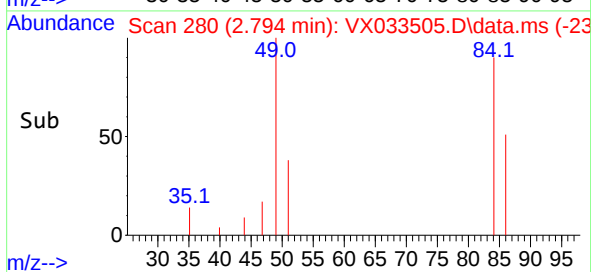
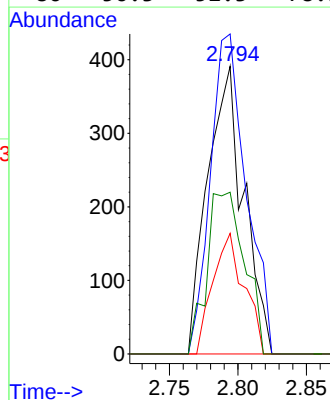
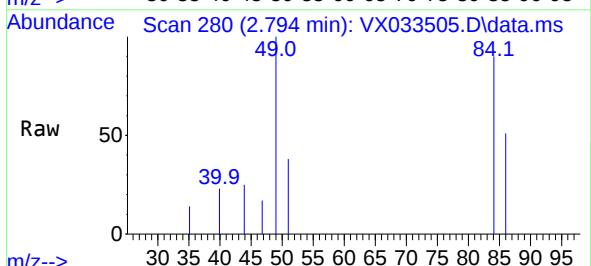
Instrument :
MSVOA_X
ClientSampleId :
RING-1

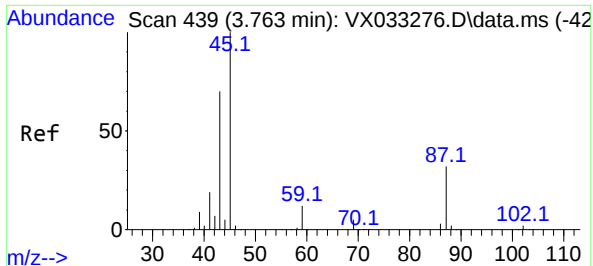
Tgt Ion: 73 Resp: 2784
Ion Ratio Lower Upper
73 100
57 23.9 16.6 25.0



#20
Methylene Chloride
Concen: 0.539 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX033505.D
Acq: 20 Dec 2022 14:08

Tgt Ion: 84 Resp: 720
Ion Ratio Lower Upper
84 100
49 111.3 101.0 151.6
51 41.9 31.1 46.7
86 56.3 52.3 78.5

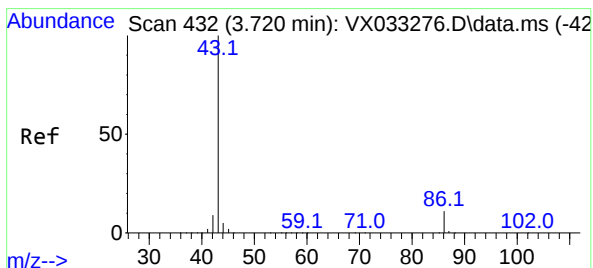
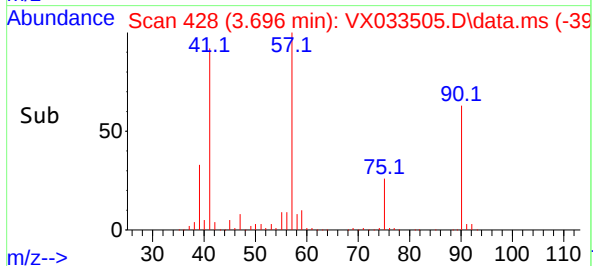
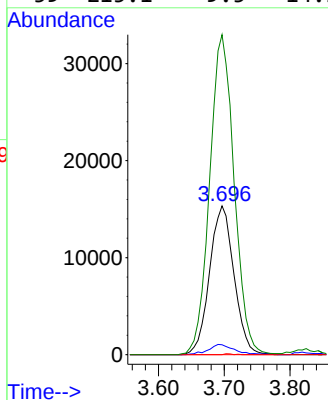
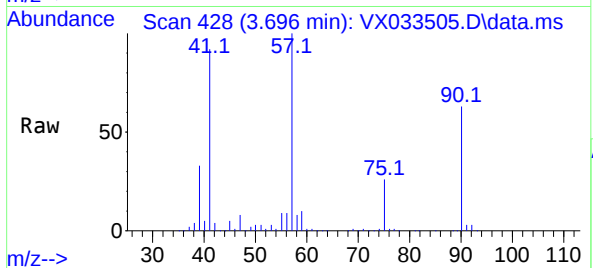




#22
Diisopropyl ether
Concen: 10.125 ug/l
RT: 3.696 min Scan# 41
Delta R.T. -0.067 min
Lab File: VX033505.D
Acq: 20 Dec 2022 14:08

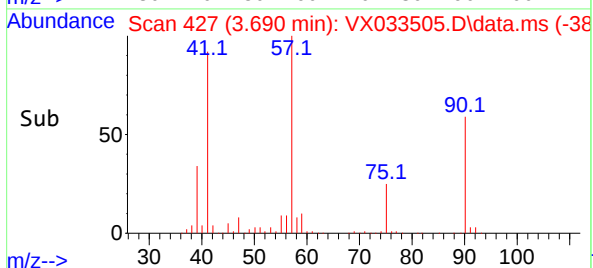
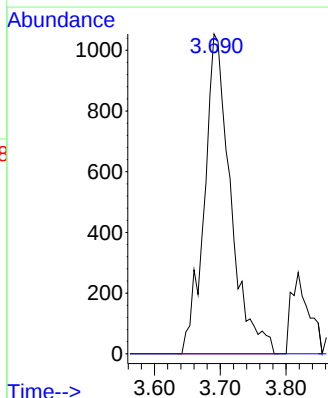
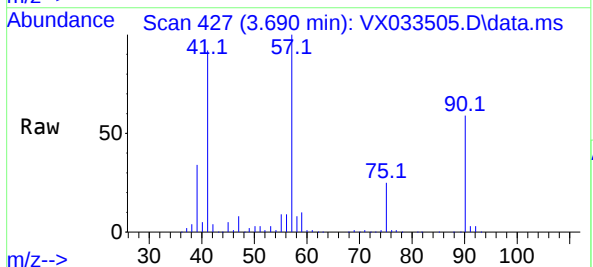
Instrument :
MSVOA_X
ClientSampleId :
RING-1

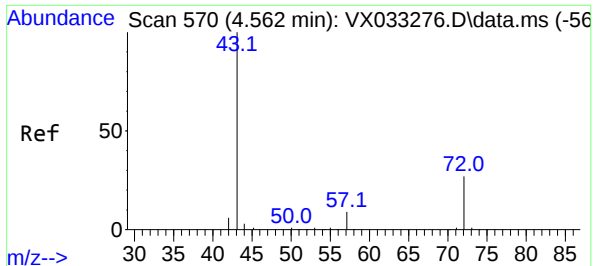
Tgt Ion:	45	Resp:	39619
Ion	Ratio	Lower	Upper
45	100		
43	6.7	56.4	84.6#
87	0.0	24.4	36.6#
59	215.1	9.5	14.3#



#23
Vinyl Acetate
Concen: 0.965 ug/l
RT: 3.690 min Scan# 427
Delta R.T. -0.030 min
Lab File: VX033505.D
Acq: 20 Dec 2022 14:08

Tgt Ion:	43	Resp:	2932
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.6	12.8#





#25

2-Butanone

Concen: 1.681 ug/l

RT: 4.574 min Scan# 51

Delta R.T. 0.013 min

Lab File: VX033505.D

Acq: 20 Dec 2022 14:08

Instrument :

MSVOA_X

ClientSampleId :

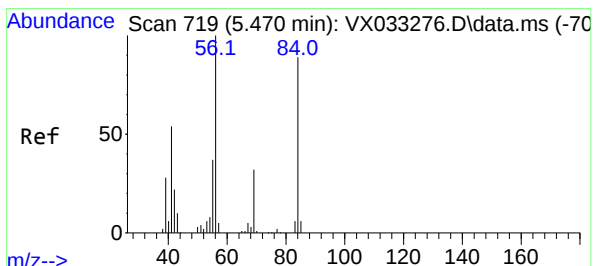
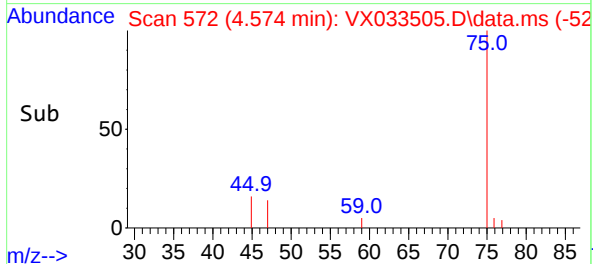
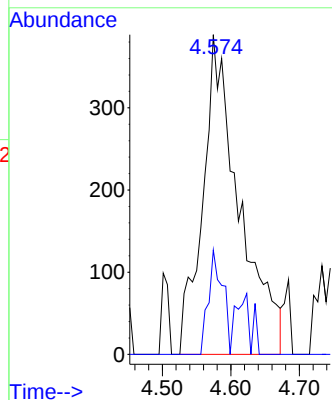
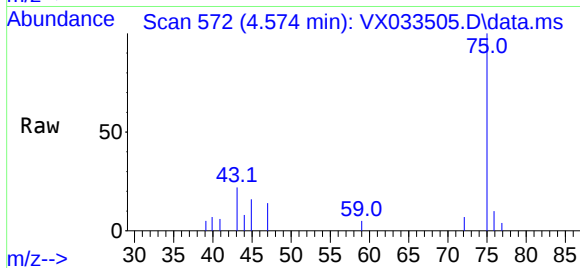
RING-1

Tgt Ion: 43 Resp: 1445

Ion Ratio Lower Upper

43 100

72 32.6 22.2 33.2



#31

Cyclohexane

Concen: 1.271 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.080 min

Lab File: VX033505.D

Acq: 20 Dec 2022 14:08

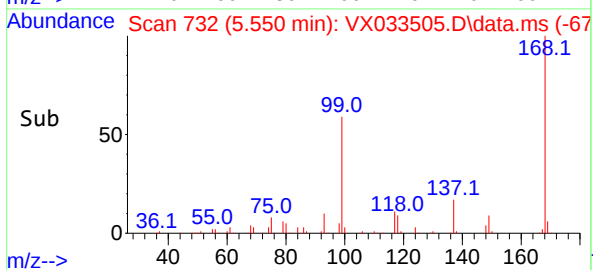
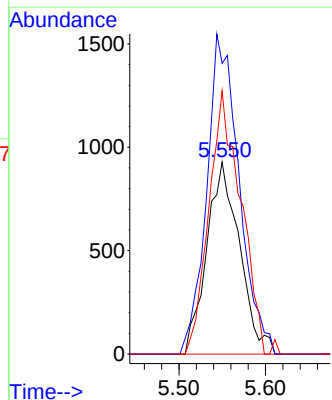
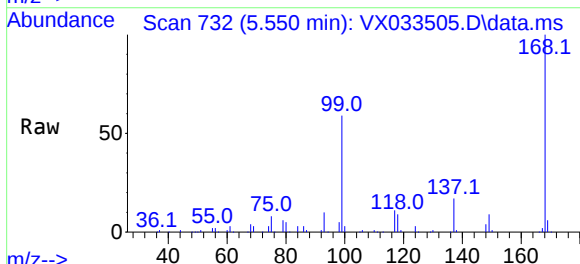
Tgt Ion: 56 Resp: 2444

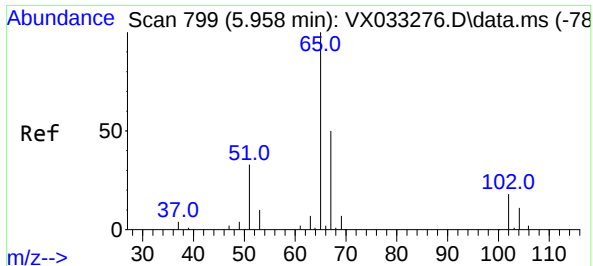
Ion Ratio Lower Upper

56 100

69 151.5 24.1 36.1#

84 137.2 66.9 100.3#





#33

1,2-Dichloroethane-d4

Concen: 47.365 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX033505.D

Acq: 20 Dec 2022 14:08

Instrument :

MSVOA_X

ClientSampleId :

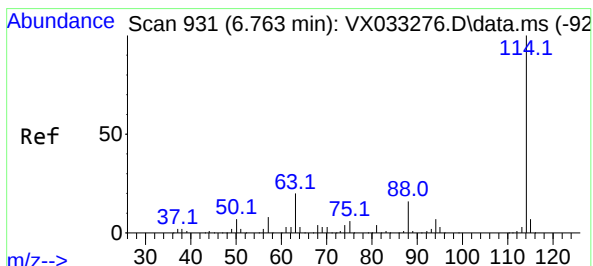
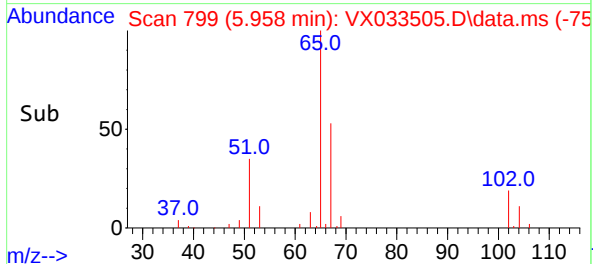
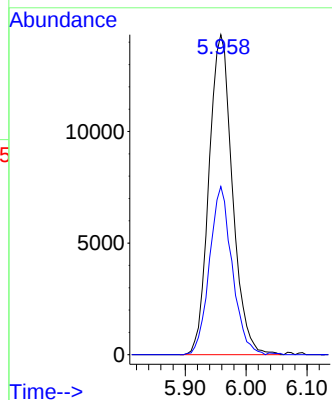
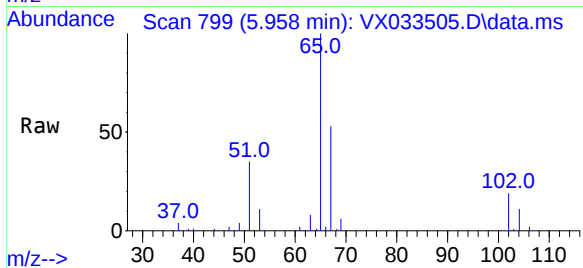
RING-1

Tgt Ion: 65 Resp: 38333

Ion Ratio Lower Upper

65 100

67 50.8 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX033505.D

Acq: 20 Dec 2022 14:08

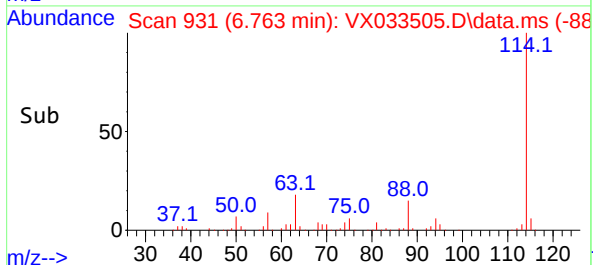
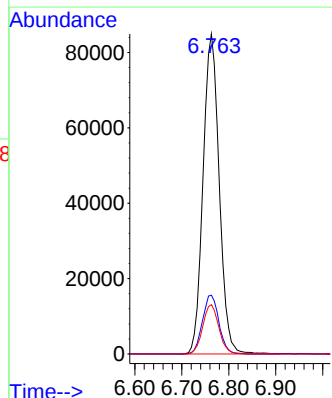
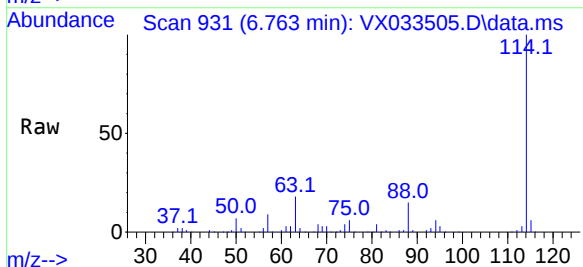
Tgt Ion: 114 Resp: 202358

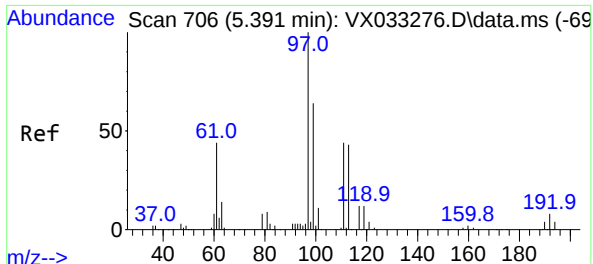
Ion Ratio Lower Upper

114 100

63 18.4 0.0 41.6

88 15.4 0.0 33.4

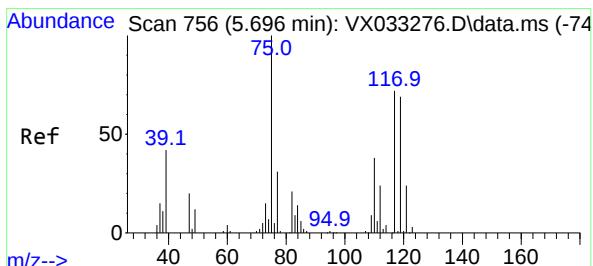
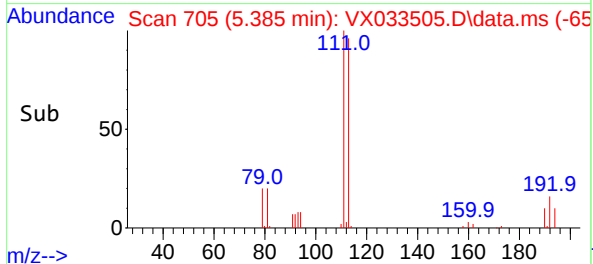
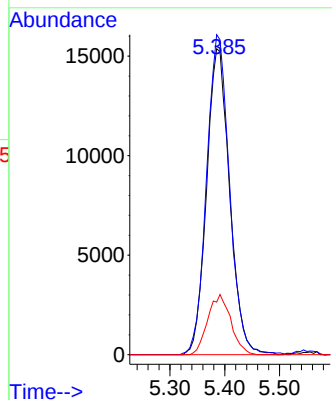
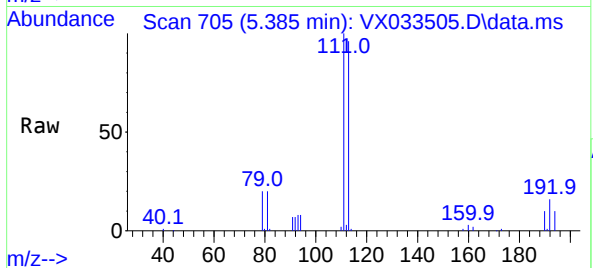




#35
Dibromofluoromethane
Concen: 49.373 ug/l
RT: 5.385 min Scan# 706
Delta R.T. -0.006 min
Lab File: VX033505.D
Acq: 20 Dec 2022 14:08

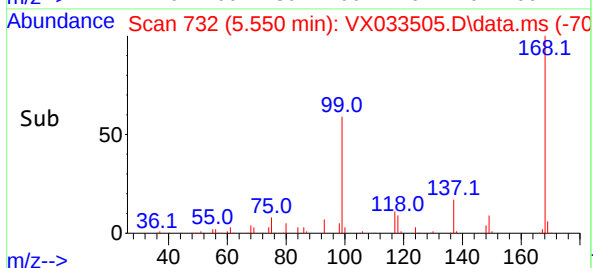
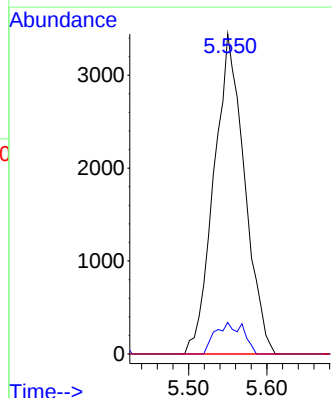
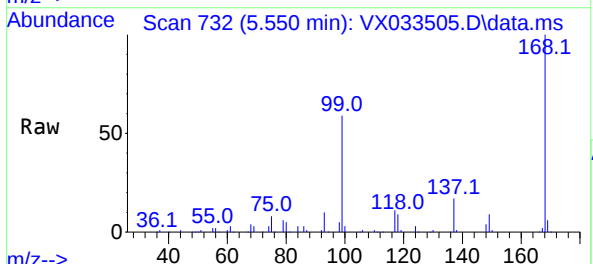
Instrument :
MSVOA_X
ClientSampleId :
RING-1

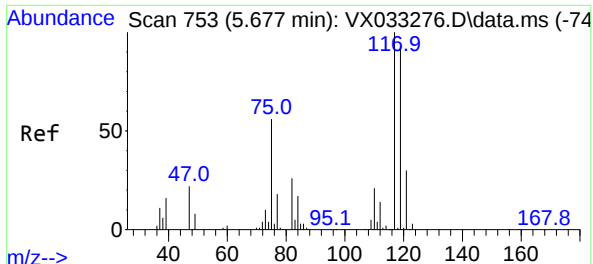
Tgt Ion:113 Resp: 44938
Ion Ratio Lower Upper
113 100
111 103.9 82.4 123.6
192 19.7 15.4 23.2



#36
1,1-Dichloropropene
Concen: 5.267 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX033505.D
Acq: 20 Dec 2022 14:08

Tgt Ion: 75 Resp: 9347
Ion Ratio Lower Upper
75 100
110 9.0 18.4 55.2#
77 0.0 24.5 36.7#

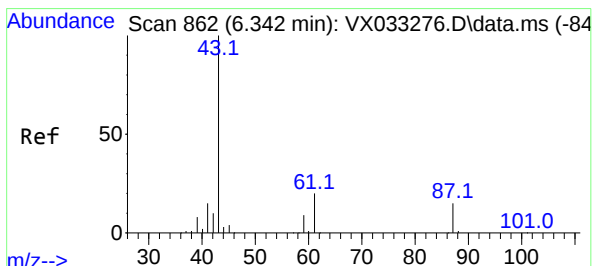
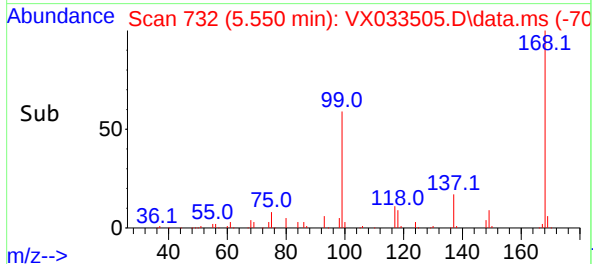
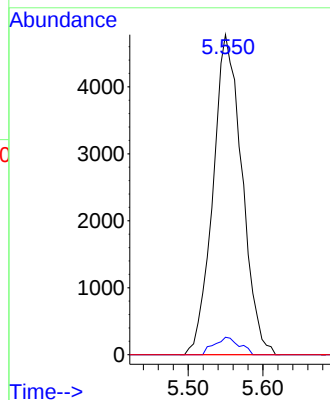
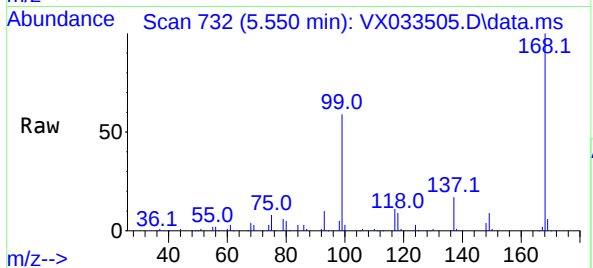




#38
Carbon Tetrachloride
Concen: 6.489 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX033505.D
Acq: 20 Dec 2022 14:08

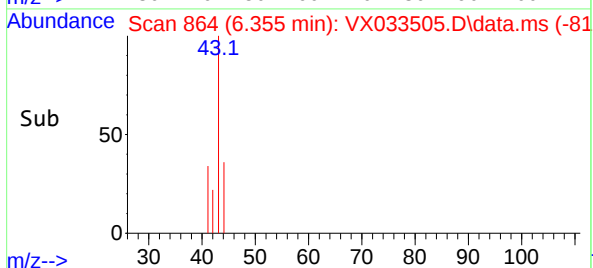
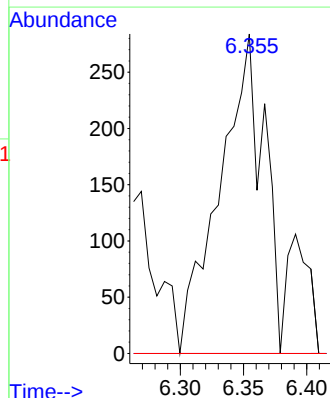
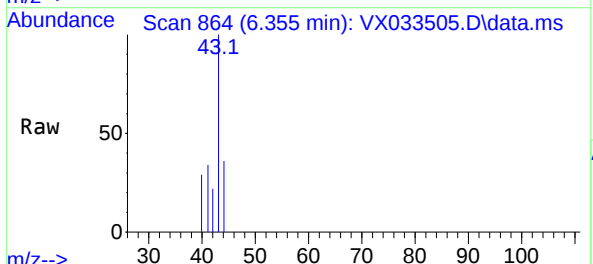
Instrument :
MSVOA_X
ClientSampleId :
RING-1

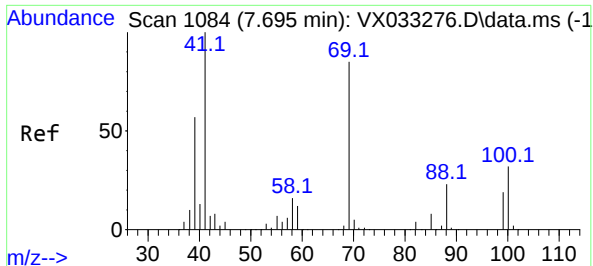
Tgt Ion:117 Resp: 12902
Ion Ratio Lower Upper
117 100
119 5.5 77.2 115.8#
121 0.0 25.8 38.6#



#43
Isopropyl Acetate
Concen: 0.257 ug/l
RT: 6.355 min Scan# 864
Delta R.T. 0.013 min
Lab File: VX033505.D
Acq: 20 Dec 2022 14:08

Tgt Ion: 43 Resp: 693
Ion Ratio Lower Upper
43 100
61 0.0 15.4 23.0#
87 0.0 10.8 16.2#

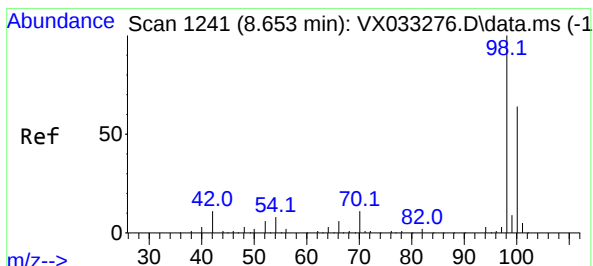
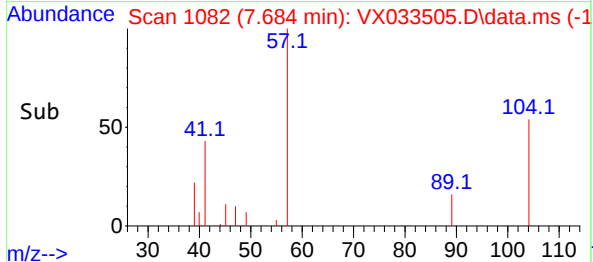
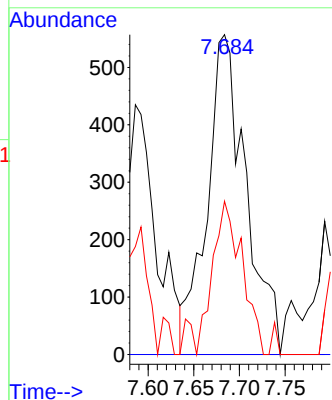
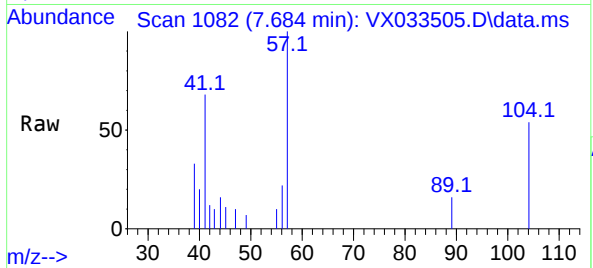




#48
Methyl methacrylate
Concen: 1.182 ug/l
RT: 7.684 min Scan# 1082
Delta R.T. -0.012 min
Lab File: VX033505.D
Acq: 20 Dec 2022 14:08

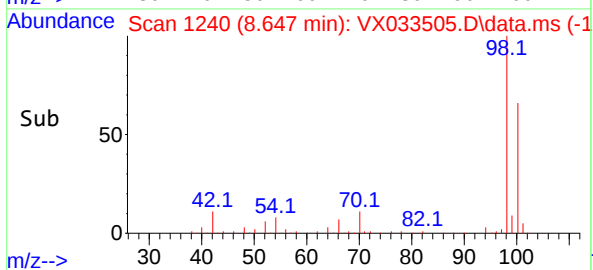
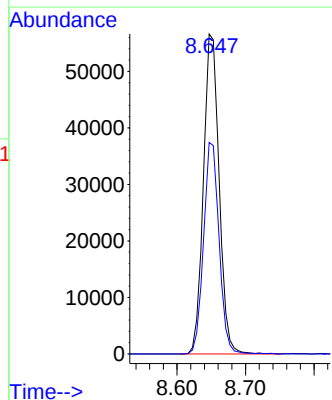
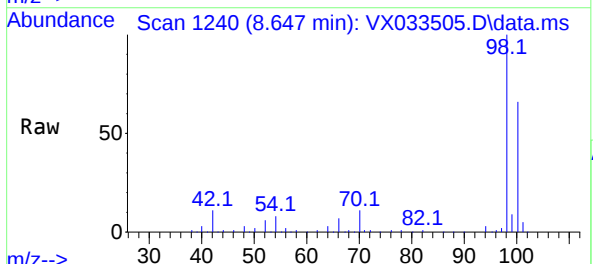
Instrument :
MSVOA_X
ClientSampleId :
RING-1

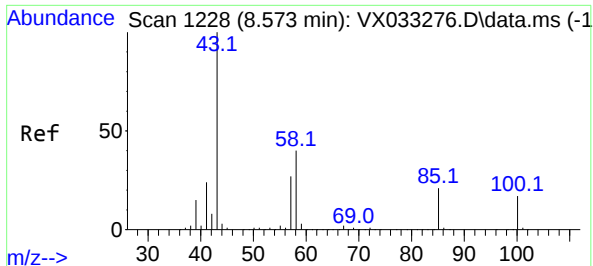
Tgt Ion: 41 Resp: 1646
Ion Ratio Lower Upper
41 100
69 0.0 65.1 97.7#
39 36.3 51.9 77.9#



#50
Toluene-d8
Concen: 47.510 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX033505.D
Acq: 20 Dec 2022 14:08

Tgt Ion: 98 Resp: 90460
Ion Ratio Lower Upper
98 100
100 65.3 50.9 76.3

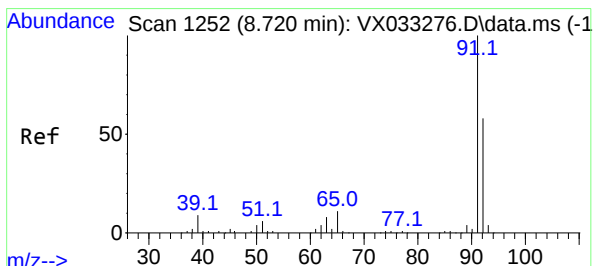
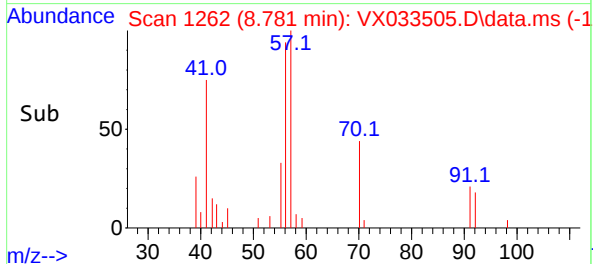
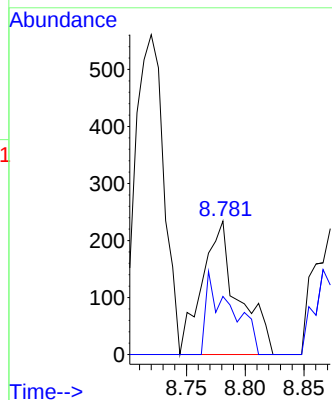
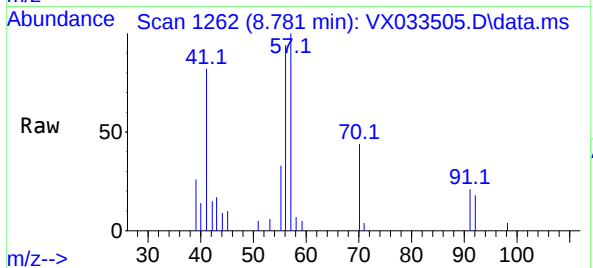




#51
4-Methyl-2-Pentanone
Concen: 0.294 ug/l
RT: 8.781 min Scan# 11
Delta R.T. 0.208 min
Lab File: VX033505.D
Acq: 20 Dec 2022 14:08

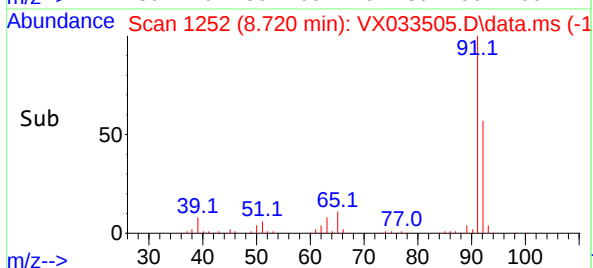
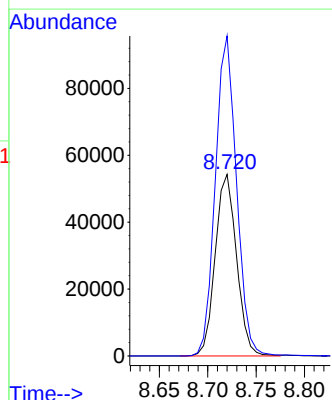
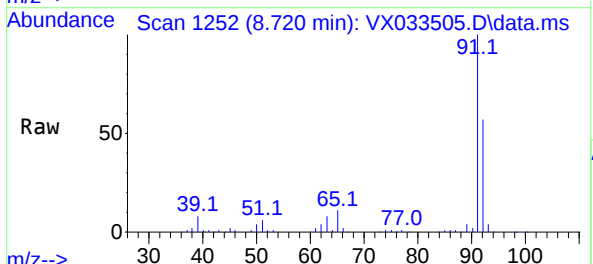
Instrument :
MSVOA_X
ClientSampleId :
RING-1

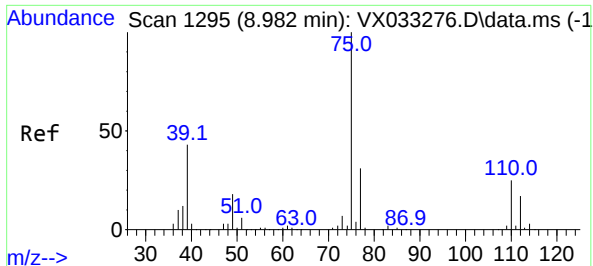
Tgt Ion: 43 Resp: 502
Ion Ratio Lower Upper
43 100
58 43.8 30.9 46.3



#52
Toluene
Concen: 24.873 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX033505.D
Acq: 20 Dec 2022 14:08

Tgt Ion: 92 Resp: 83205
Ion Ratio Lower Upper
92 100
91 175.1 138.3 207.5





#53

t-1,3-Dichloropropene

Concen: 3.055 ug/l

RT: 8.903 min Scan# 11

Delta R.T. -0.079 min

Lab File: VX033505.D

Acq: 20 Dec 2022 14:08

Instrument :

MSVOA_X

ClientSampleId :

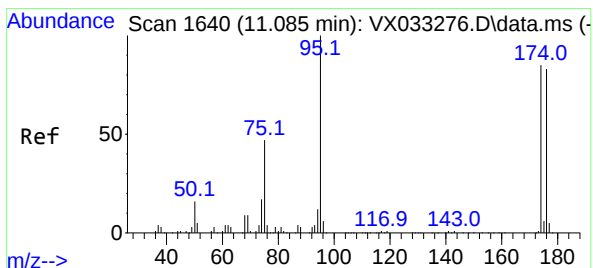
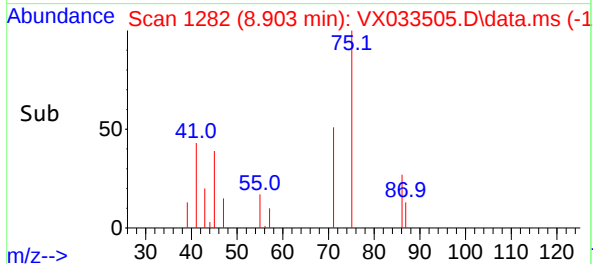
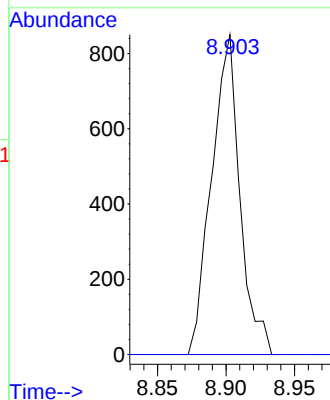
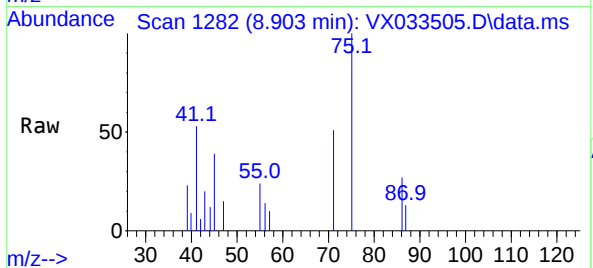
RING-1

Tgt Ion: 75 Resp: 1222

Ion Ratio Lower Upper

75 100

77 0.0 25.1 37.7#



#62

4-Bromofluorobenzene

Concen: 49.505 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.006 min

Lab File: VX033505.D

Acq: 20 Dec 2022 14:08

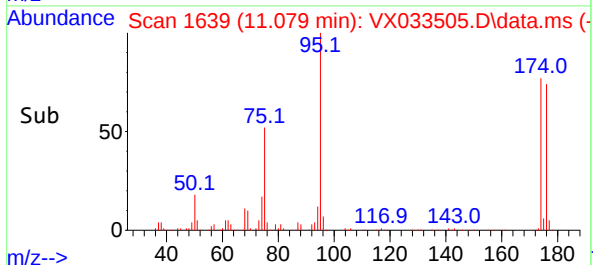
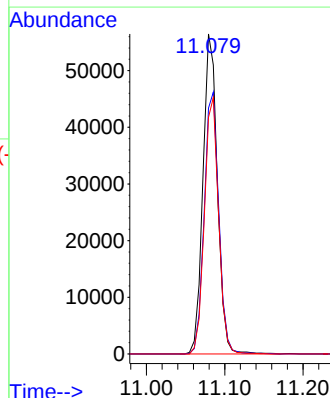
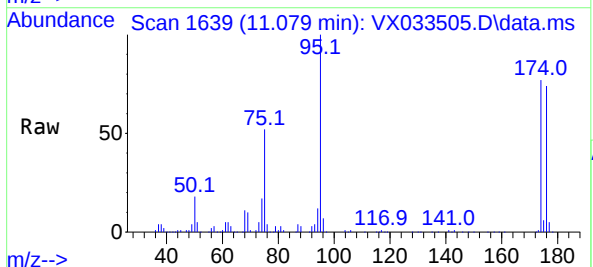
Tgt Ion: 95 Resp: 72072

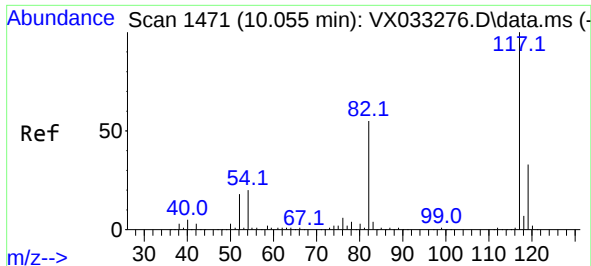
Ion Ratio Lower Upper

95 100

174 82.6 0.0 164.0

176 79.0 0.0 154.4

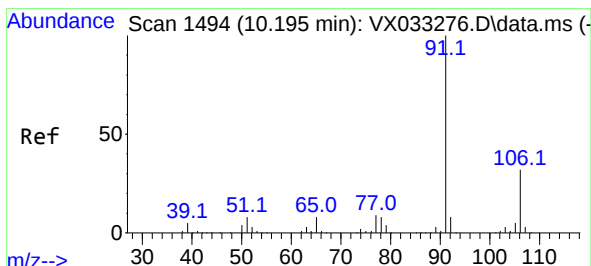
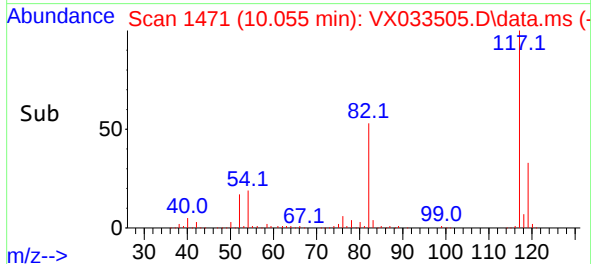
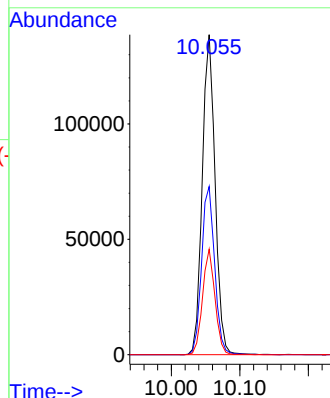
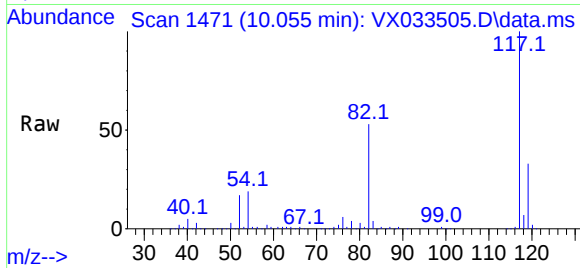




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033505.D
Acq: 20 Dec 2022 14:08

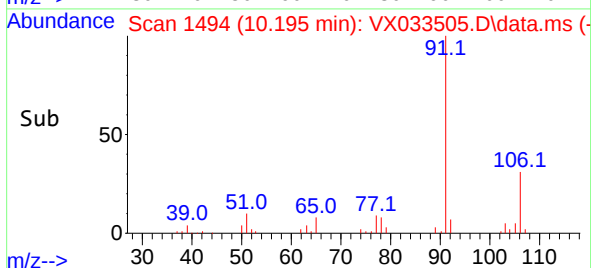
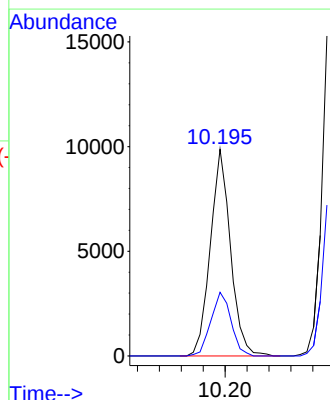
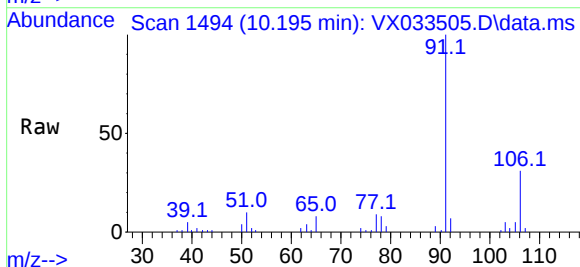
Instrument :
MSVOA_X
ClientSampleId :
RING-1

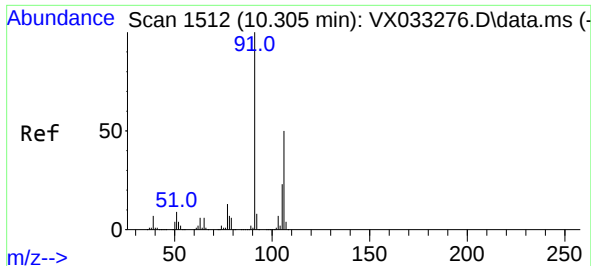
Tgt Ion:117 Resp: 180972
Ion Ratio Lower Upper
117 100
82 52.5 44.3 66.5
119 33.0 25.7 38.5



#67
Ethyl Benzene
Concen: 1.977 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX033505.D
Acq: 20 Dec 2022 14:08

Tgt Ion: 91 Resp: 12621
Ion Ratio Lower Upper
91 100
106 30.8 25.0 37.6

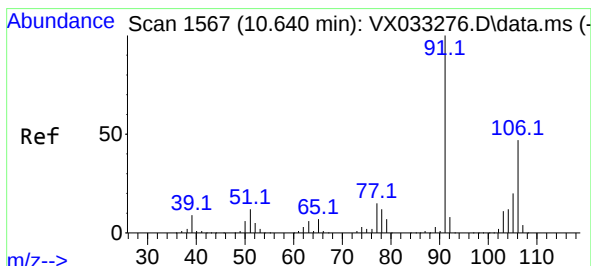
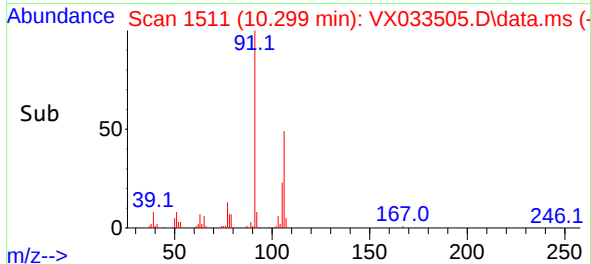
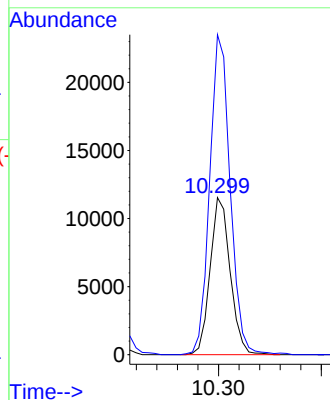
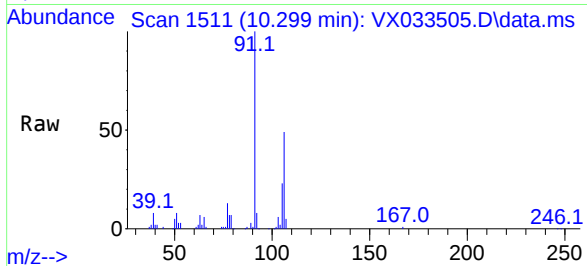




#68
m/p-Xylenes
Concen: 6.301 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.006 min
Lab File: VX033505.D
Acq: 20 Dec 2022 14:08

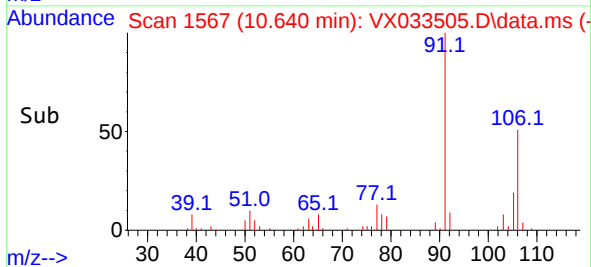
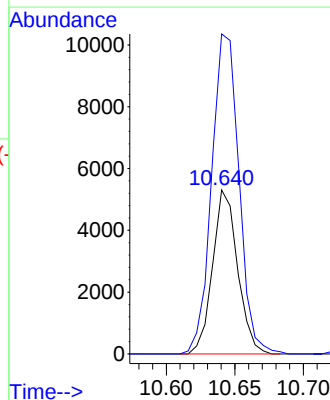
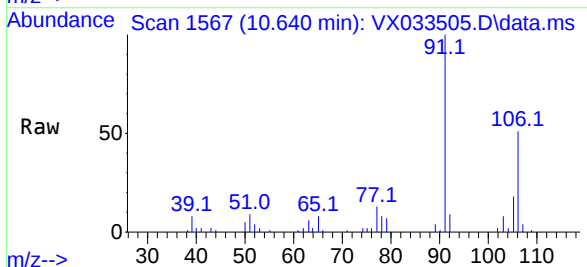
Instrument :
MSVOA_X
ClientSampleId :
RING-1

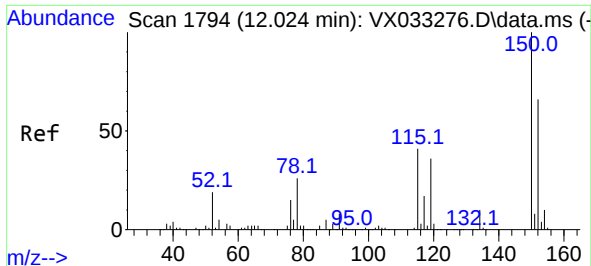
Tgt Ion:106 Resp: 15651
Ion Ratio Lower Upper
106 100
91 207.7 164.5 246.7



#69
o-Xylene
Concen: 2.735 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX033505.D
Acq: 20 Dec 2022 14:08

Tgt Ion:106 Resp: 6716
Ion Ratio Lower Upper
106 100
91 214.0 109.2 327.6

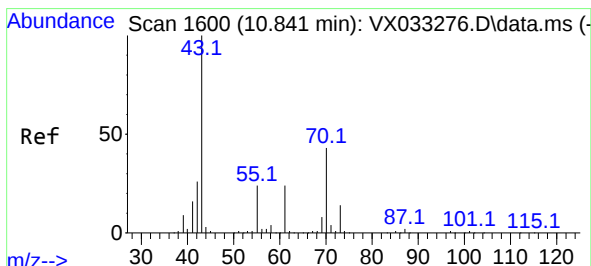
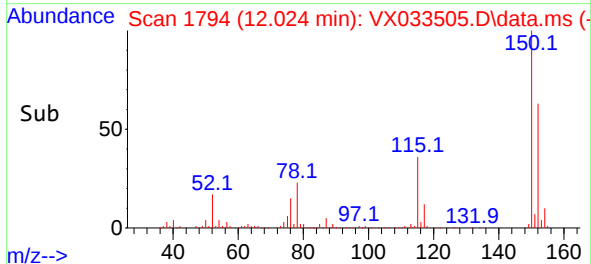
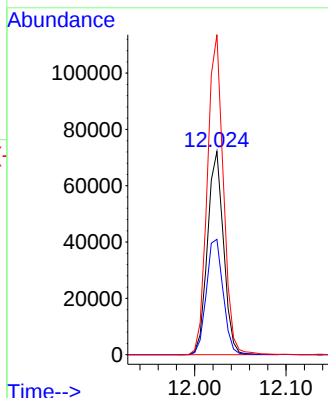
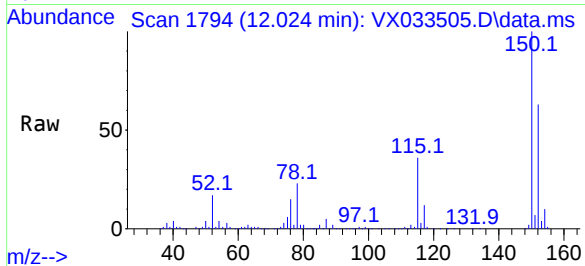




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX033505.D
Acq: 20 Dec 2022 14:08

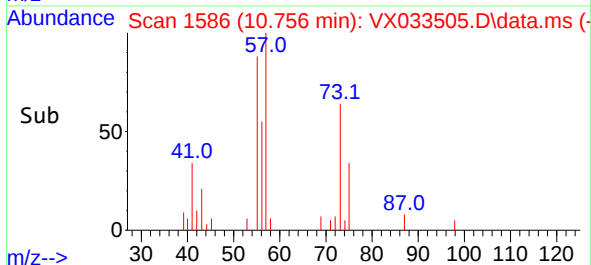
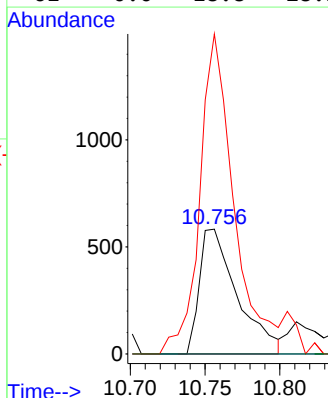
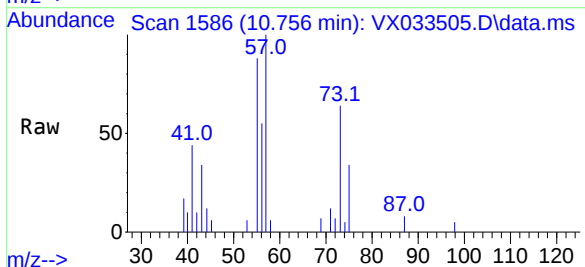
Instrument :
MSVOA_X
ClientSampleId :
RING-1

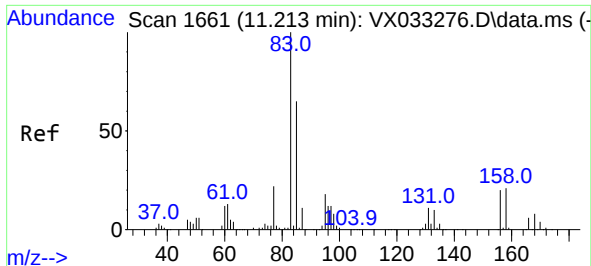
Tgt Ion:152 Resp: 87790
Ion Ratio Lower Upper
152 100
115 59.5 44.0 132.0
150 157.6 0.0 351.8



#74
N-ethyl acetate
Concen: 0.473 ug/l
RT: 10.756 min Scan# 1586
Delta R.T. -0.085 min
Lab File: VX033505.D
Acq: 20 Dec 2022 14:08

Tgt Ion: 43 Resp: 1027
Ion Ratio Lower Upper
43 100
70 0.0 33.6 50.4#
55 244.4 19.4 29.2#
61 0.0 18.8 28.2#

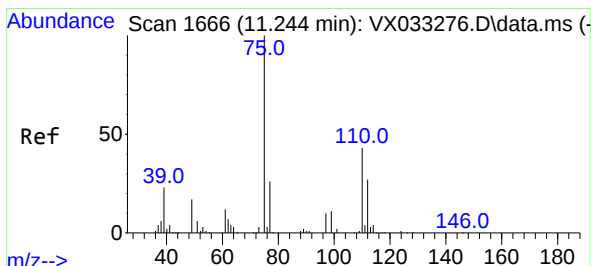
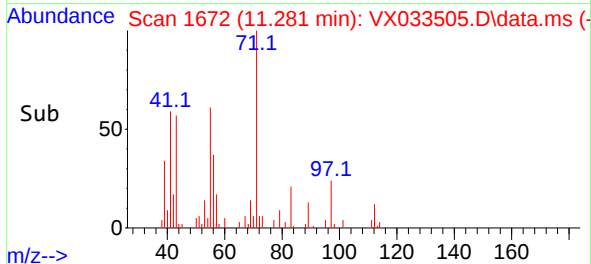
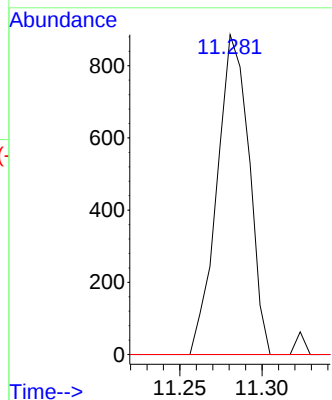
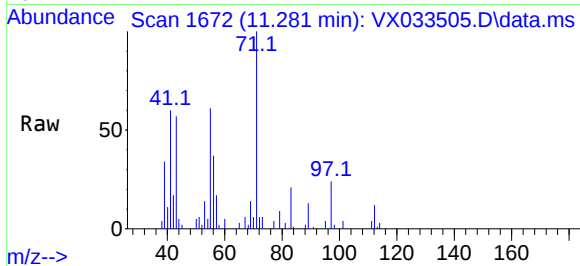




#75
 1,1,2,2-Tetrachloroethane
 Concen: 0.595 ug/l
 RT: 11.281 min Scan# 1
 Delta R.T. 0.067 min
 Lab File: VX033505.D
 Acq: 20 Dec 2022 14:08

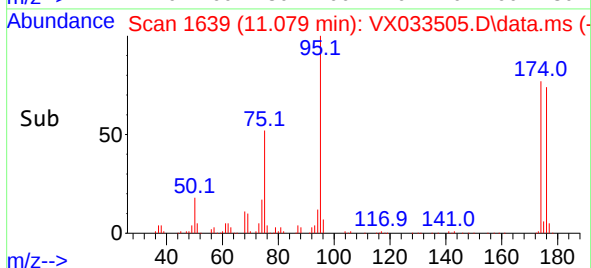
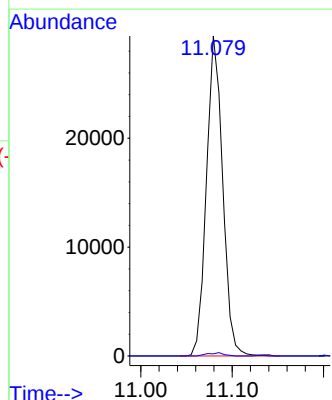
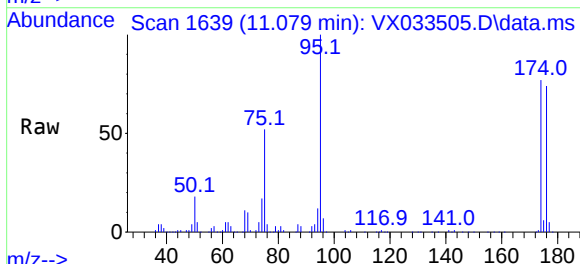
Instrument :
 MSVOA_X
 ClientSampleId :
 RING-1

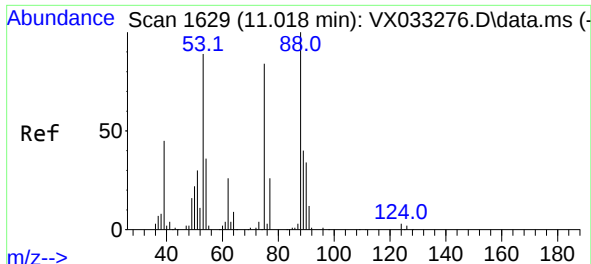
Tgt Ion: 83 Resp: 1201
 Ion Ratio Lower Upper
 83 100
 131 0.0 5.4 16.2#
 85 0.0 31.9 95.9#



#76
 1,2,3-Trichloropropane
 Concen: 20.244 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.164 min
 Lab File: VX033505.D
 Acq: 20 Dec 2022 14:08

Tgt Ion: 75 Resp: 36157
 Ion Ratio Lower Upper
 75 100
 77 1.0 20.0 60.0#

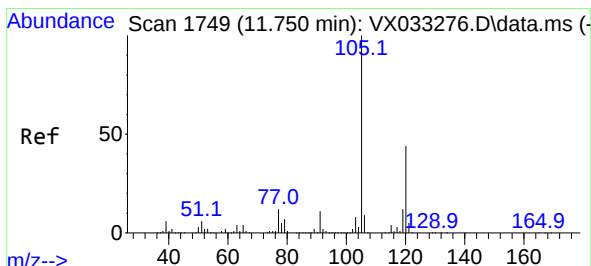
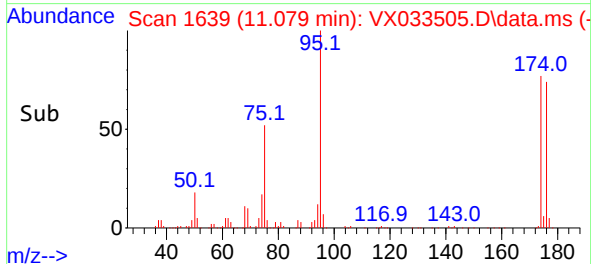
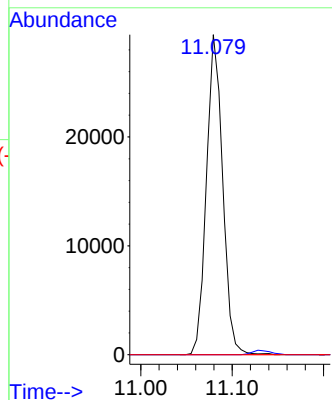
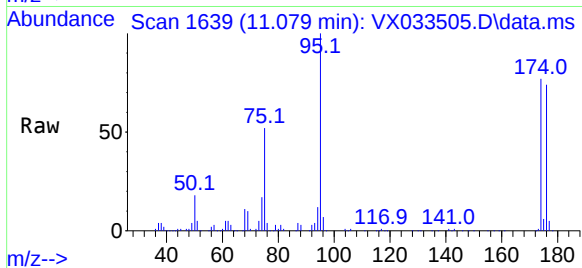




#81
trans-1,4-Dichloro-2-butene
Concen: 62.971 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX033505.D
Acq: 20 Dec 2022 14:08

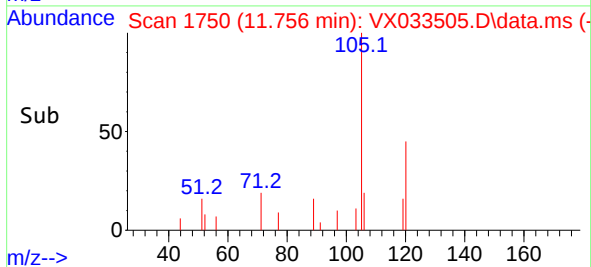
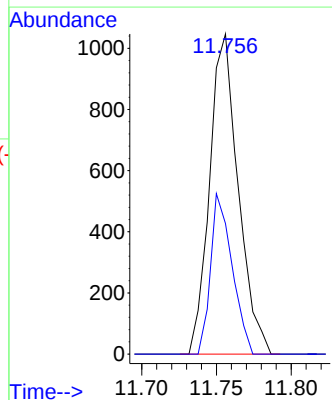
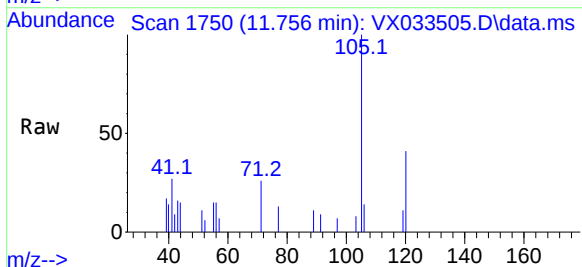
Instrument :
MSVOA_X
ClientSampleId :
RING-1

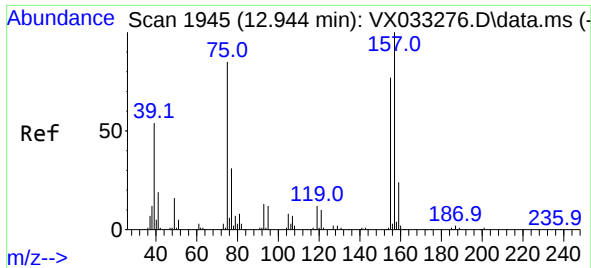
Tgt Ion: 75 Resp: 36157
Ion Ratio Lower Upper
75 100
53 0.0 86.9 130.3#
89 0.0 38.3 57.5#



#84
1,2,4-Trimethylbenzene
Concen: 0.263 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX033505.D
Acq: 20 Dec 2022 14:08

Tgt Ion:105 Resp: 1392
Ion Ratio Lower Upper
105 100
120 37.6 21.9 65.5





#92
1,2-Dibromo-3-Chloropropane
Concen: 0.222 ug/l
RT: 12.994 min Scan# 1953
Delta R.T. 0.049 min
Lab File: VX033505.D
Acq: 20 Dec 2022 14:08

Instrument :
MSVOA_X
ClientSampleId :
RING-1

Tgt Ion:	75	Resp:	97
Ion	Ratio	Lower	Upper
75	100		
155	0.0	41.6	124.8#
157	0.0	54.1	162.4#

