

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111023\
 Data File : VX038732.D
 Acq On : 10 Nov 2023 16:34
 Operator : JC/MD
 Sample : 05102-01DL 20X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 67S-IDW-01DL

Quant Time: Nov 11 01:56:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110723W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 08 03:19:07 2023
 Response via : Initial Calibration

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

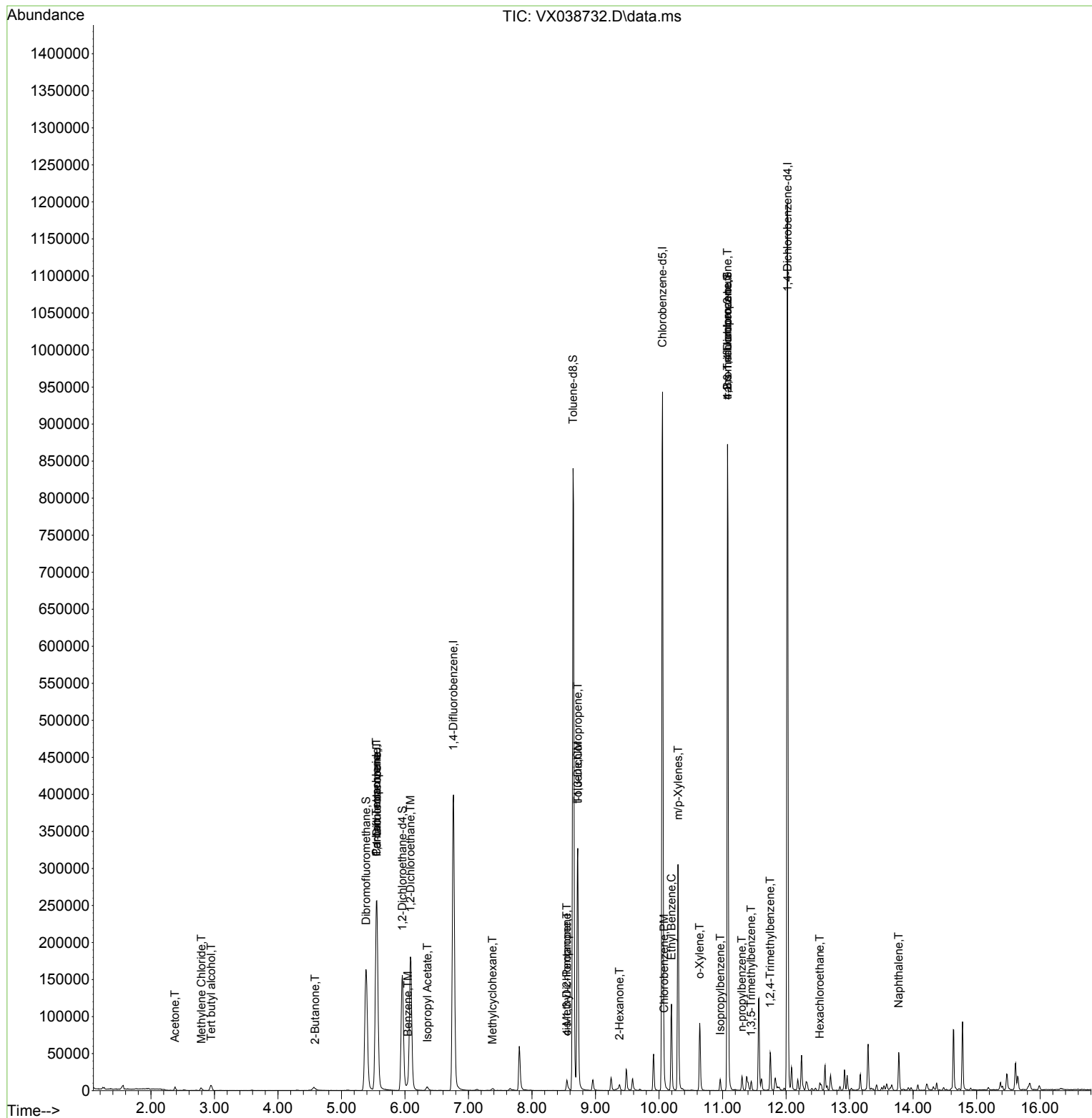
Internal Standards						
1) Pentafluorobenzene	5.556	168	271127	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	451429	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	481130	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	280714	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	157887	46.775	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	93.560%		
35) Dibromofluoromethane	5.385	113	148781	45.760	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.520%		
50) Toluene-d8	8.647	98	542844	46.658	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	93.320%		
62) 4-Bromofluorobenzene	11.079	95	236476	52.424	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	104.840%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.946	59	4265	6.181	ug/l #	80
16) Acetone	2.380	43	4344	3.056	ug/l	99
20) Methylene Chloride	2.794	84	1924	0.671	ug/l #	78
25) 2-Butanone	4.586	43	723	0.351	ug/l	93
36) 1,1-Dichloropropene	5.556	75	17874	4.426	ug/l #	52
38) Carbon Tetrachloride	5.550	117	26118	5.785	ug/l #	16
39) Methylcyclohexane	7.379	83	1351	0.268	ug/l #	76
40) Benzene	6.043	78	9201	0.791	ug/l	94
42) 1,2-Dichloroethane	6.086	62	208668	49.714	ug/l	95
43) Isopropyl Acetate	6.354	43	6515	1.028	ug/l	94
51) 4-Methyl-2-Pentanone	8.549	43	5707	1.382	ug/l #	37
52) Toluene	8.720	92	134745	17.682	ug/l	96
53) t-1,3-Dichloropropene	8.720	75	1591	0.353	ug/l #	1
54) cis-1,3-Dichloropropene	8.549	75	2435	0.512	ug/l #	58
59) 2-Hexanone	9.378	43	6413	1.919	ug/l #	26
65) Chlorobenzene	10.079	112	3427	0.350	ug/l	90
67) Ethyl Benzene	10.195	91	71173	4.296	ug/l	99
68) m/p-Xylenes	10.299	106	74357	11.309	ug/l	95
69) o-Xylene	10.640	106	21423	3.350	ug/l	94
73) Isopropylbenzene	10.963	105	8032	0.466	ug/l	97
76) 1,2,3-Trichloropropane	11.079	75	114871	20.662	ug/l #	38
78) n-propylbenzene	11.305	91	12635	0.630	ug/l	96
80) 1,3,5-Trimethylbenzene	11.451	105	6243	0.421	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.079	75	114871	62.921	ug/l #	5
84) 1,2,4-Trimethylbenzene	11.750	105	24595	1.673	ug/l	95
90) Hexachloroethane	12.530	117	733	0.271	ug/l #	17
95) Naphthalene	13.774	128	36409	1.912	ug/l	99

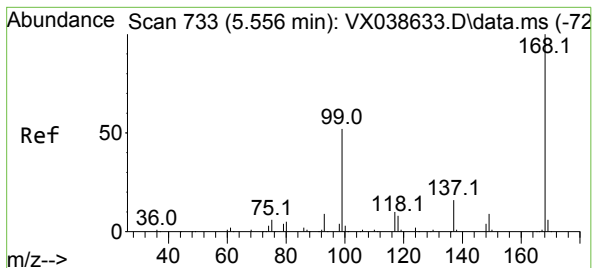
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Nov 08 03:19:07 2023
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: VX038732.D

Acq: 10 Nov 2023 16:34

Instrument :

MSVOA_X

ClientSampleId :

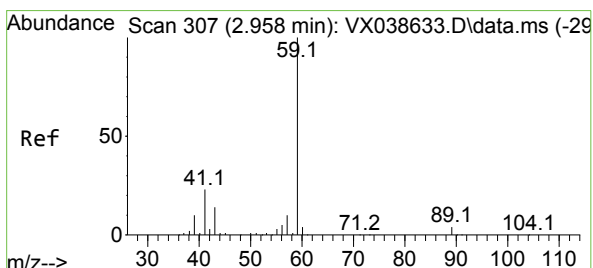
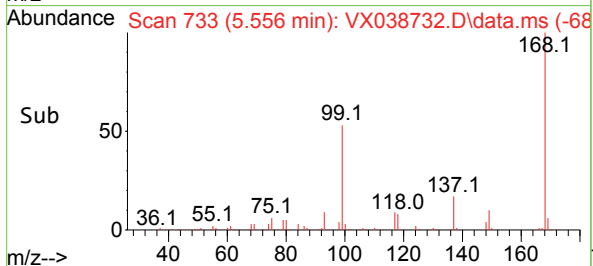
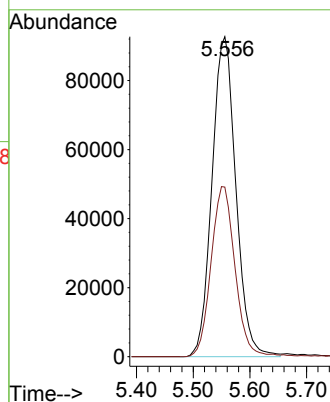
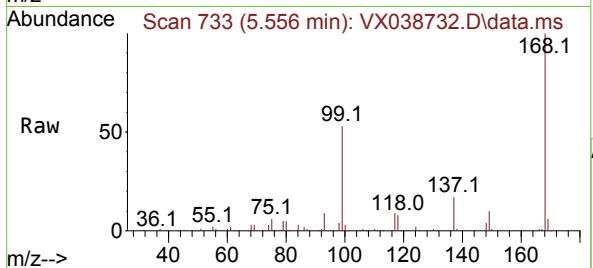
67S-IDW-01DL

Tgt Ion:168 Resp: 271127

Ion Ratio Lower Upper

168 100

99 53.0 56.6 85.0#



#11

Tert butyl alcohol

Concen: 6.181 ug/l

RT: 2.946 min Scan# 305

Delta R.T. -0.012 min

Lab File: VX038732.D

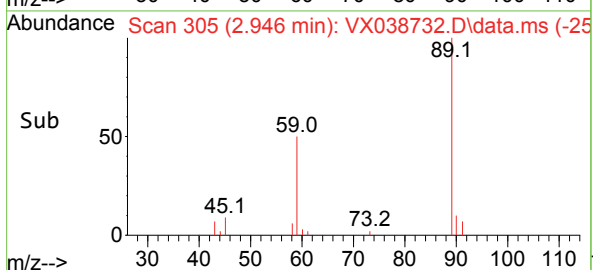
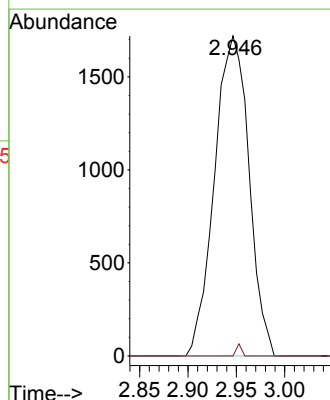
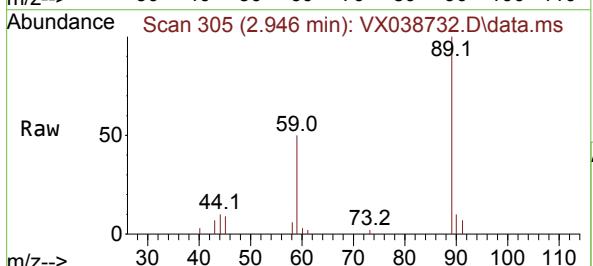
Acq: 10 Nov 2023 16:34

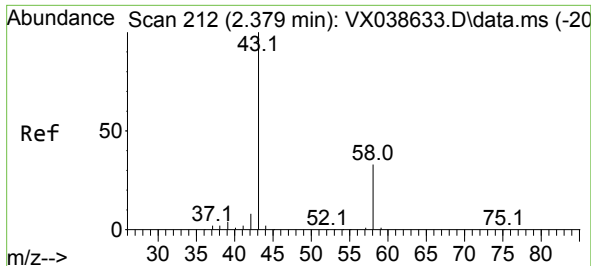
Tgt Ion: 59 Resp: 4265

Ion Ratio Lower Upper

59 100

57 0.6 6.0 9.0#

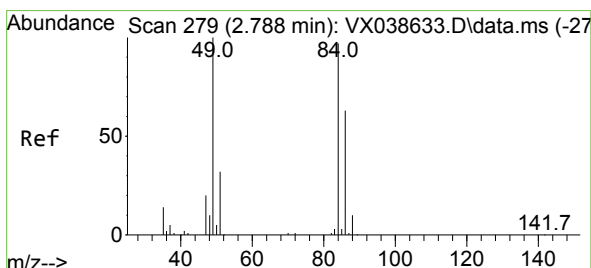
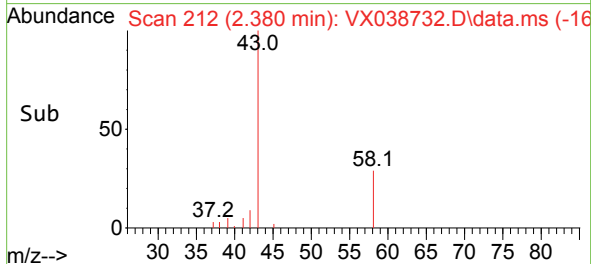
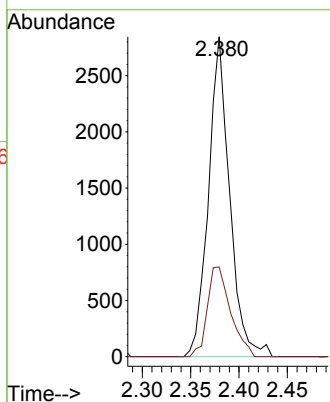
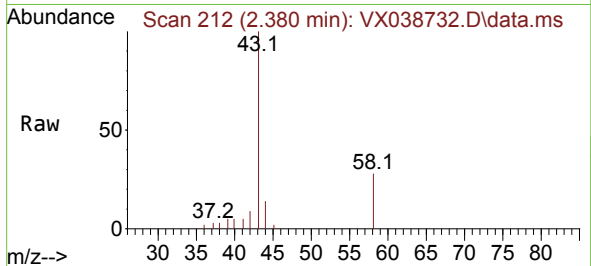




#16
Acetone
Concen: 3.056 ug/l
RT: 2.380 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX038732.D
Acq: 10 Nov 2023 16:34

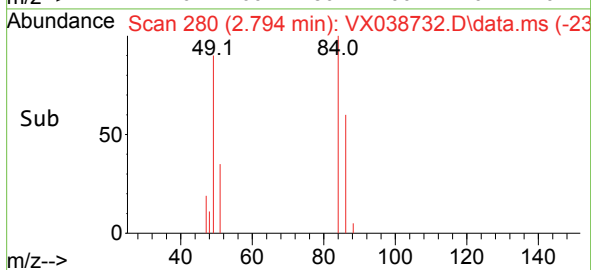
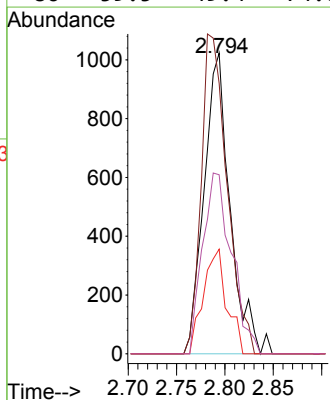
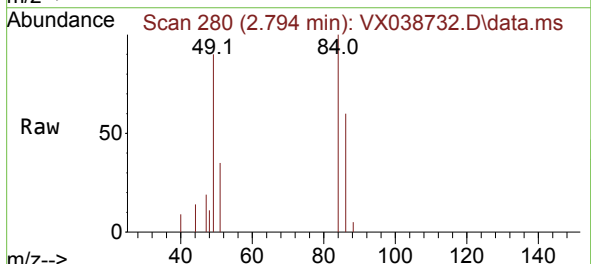
Instrument :
MSVOA_X
ClientSampleId :
67S-IDW-01DL

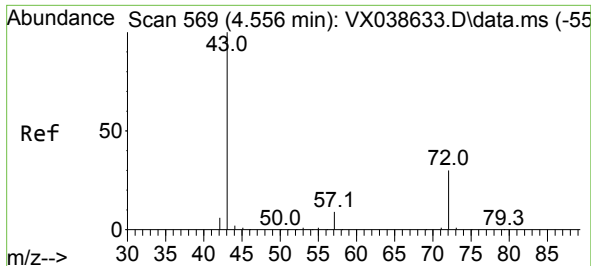
Tgt Ion: 43 Resp: 4344
Ion Ratio Lower Upper
43 100
58 28.1 21.9 32.9



#20
Methylene Chloride
Concen: 0.671 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX038732.D
Acq: 10 Nov 2023 16:34

Tgt Ion: 84 Resp: 1924
Ion Ratio Lower Upper
84 100
49 89.9 103.6 155.4#
51 34.8 33.8 50.6
86 59.5 49.4 74.0





#25

2-Butanone

Concen: 0.351 ug/l

RT: 4.586 min Scan# 51

Delta R.T. 0.031 min

Lab File: VX038732.D

Acq: 10 Nov 2023 16:34

Instrument :

MSVOA_X

ClientSampleId :

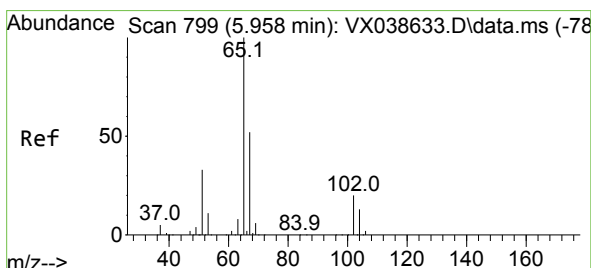
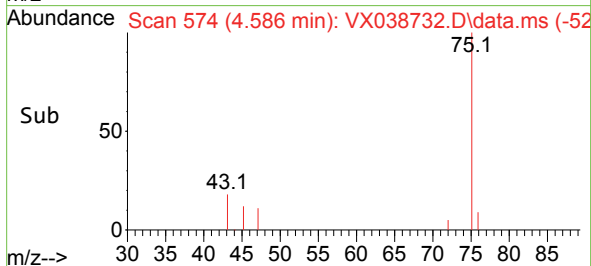
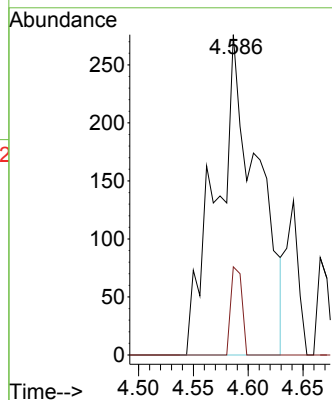
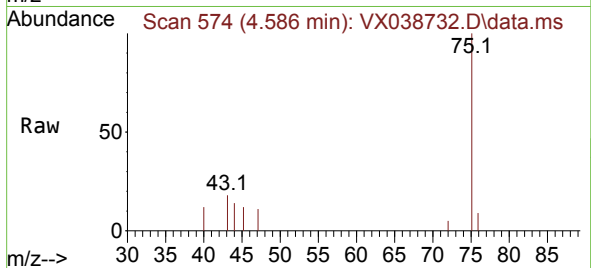
67S-IDW-01DL

Tgt Ion: 43 Resp: 723

Ion Ratio Lower Upper

43 100

72 27.5 19.4 29.2



#33

1,2-Dichloroethane-d4

Concen: 46.775 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX038732.D

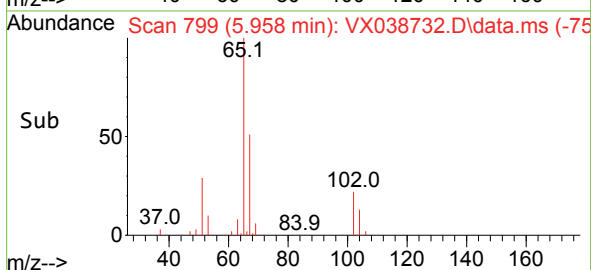
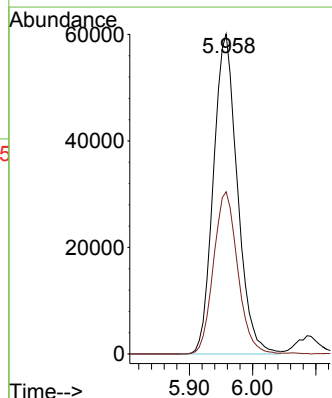
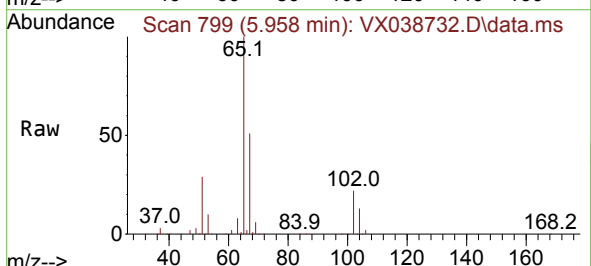
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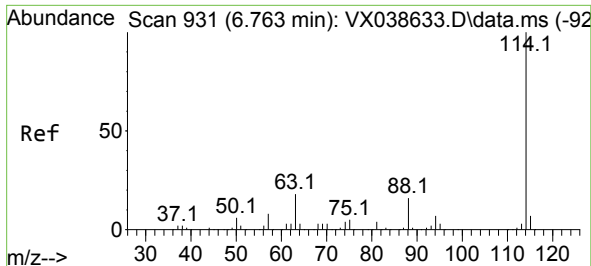
Tgt Ion: 65 Resp: 157887

Ion Ratio Lower Upper

65 100

67 51.2 0.0 100.2

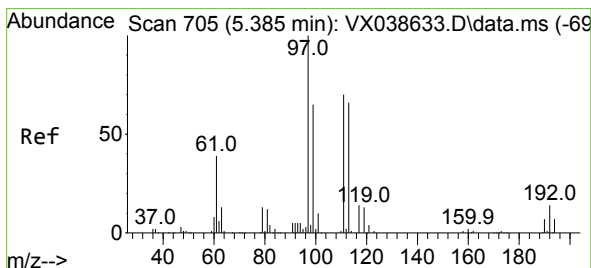
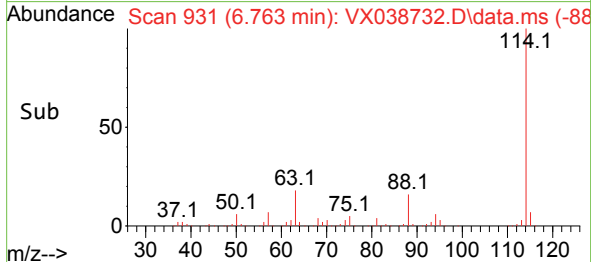
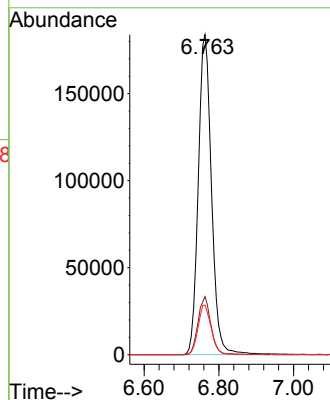
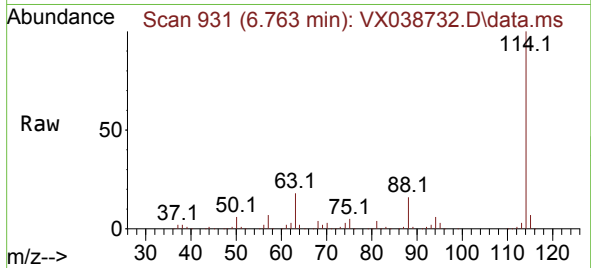




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX038732.D
Acq: 10 Nov 2023 16:34

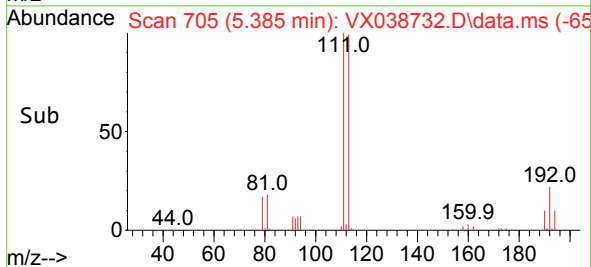
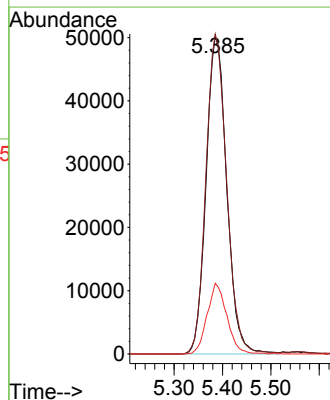
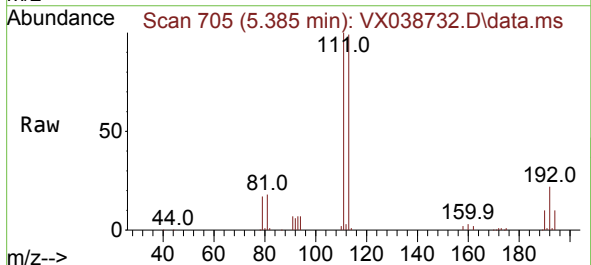
Instrument :
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ClientSampleId :
67S-IDW-01DL

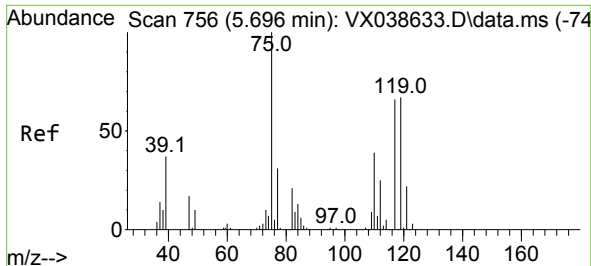
Tgt Ion:114 Resp: 451429
Ion Ratio Lower Upper
114 100
63 18.2 0.0 45.0
88 15.5 0.0 36.6



#35
Dibromofluoromethane
Concen: 45.760 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX038732.D
Acq: 10 Nov 2023 16:34

Tgt Ion:113 Resp: 148781
Ion Ratio Lower Upper
113 100
111 101.0 82.9 124.3
192 21.2 13.3 19.9#

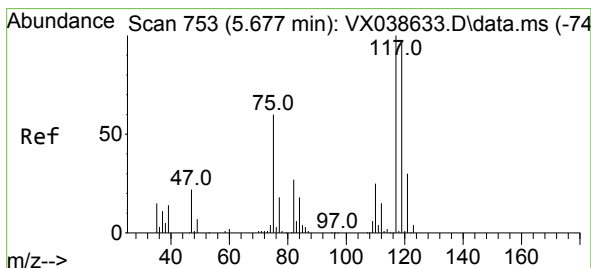
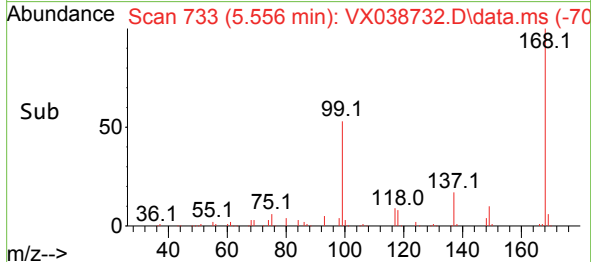
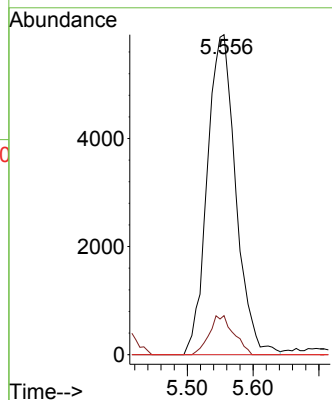
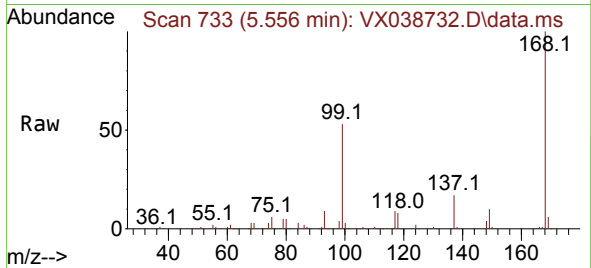




#36
1,1-Dichloropropene
Concen: 4.426 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX038732.D
Acq: 10 Nov 2023 16:34

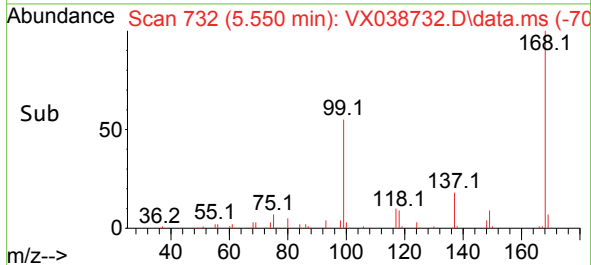
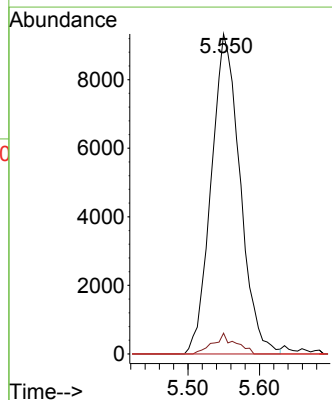
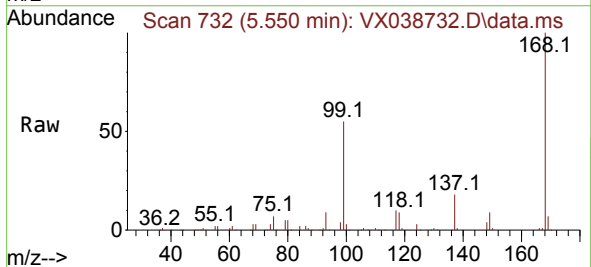
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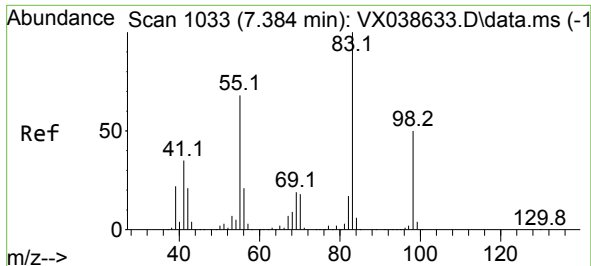
Tgt Ion: 75 Resp: 17874
Ion Ratio Lower Upper
75 100
110 10.5 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 5.785 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.128 min
Lab File: VX038732.D
Acq: 10 Nov 2023 16:34

Tgt Ion: 117 Resp: 26118
Ion Ratio Lower Upper
117 100
119 6.5 78.2 117.2#
121 0.0 24.4 36.6#





#39

Methylcyclohexane

Concen: 0.268 ug/l

RT: 7.379 min Scan# 1032

Delta R.T. -0.006 min

Lab File: VX038732.D

Acq: 10 Nov 2023 16:34

Instrument :

MSVOA_X

ClientSampleId :

67S-IDW-01DL

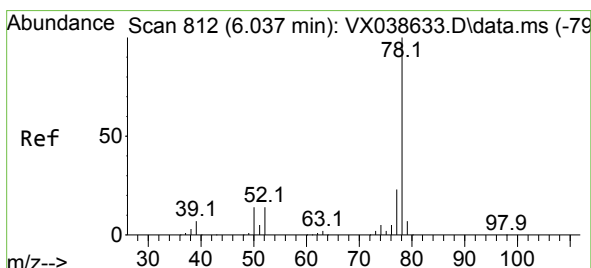
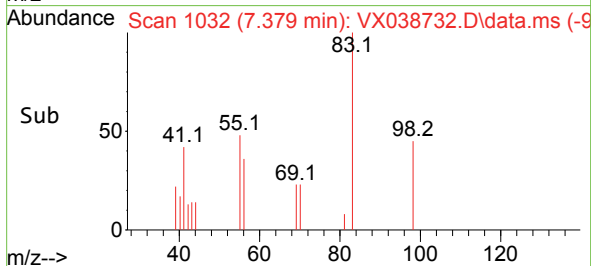
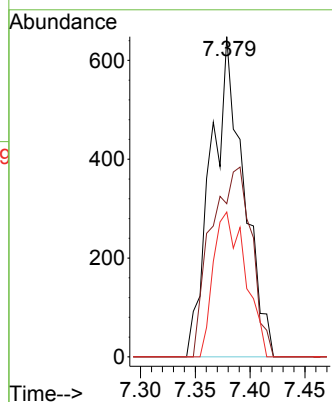
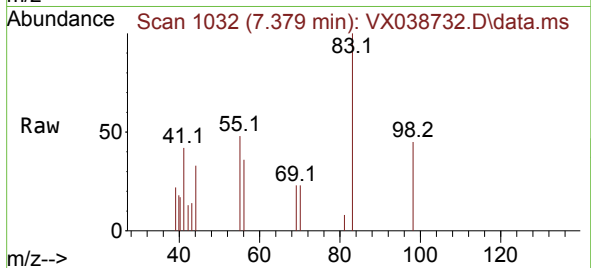
Tgt Ion: 83 Resp: 1351

Ion Ratio Lower Upper

83 100

55 47.8 64.6 97.0#

98 45.2 36.7 55.1



#40

Benzene

Concen: 0.791 ug/l

RT: 6.043 min Scan# 813

Delta R.T. 0.006 min

Lab File: VX038732.D

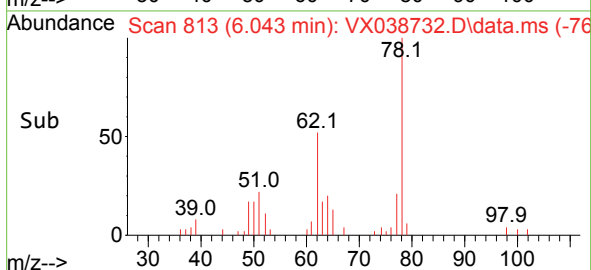
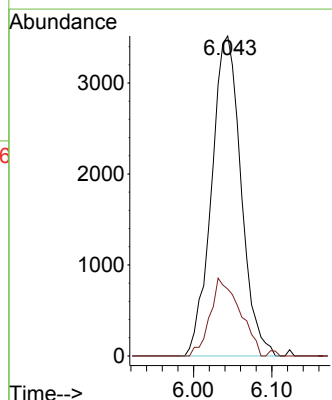
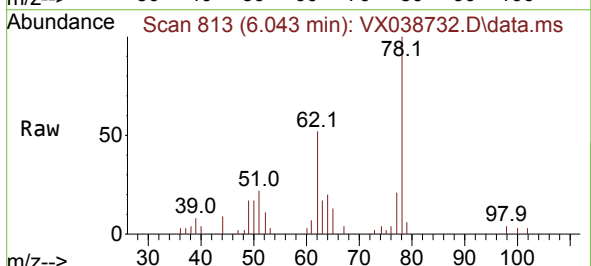
Acq: 10 Nov 2023 16:34

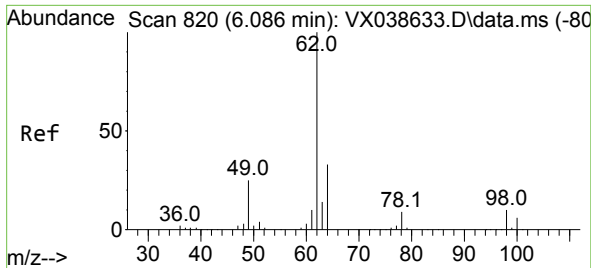
Tgt Ion: 78 Resp: 9201

Ion Ratio Lower Upper

78 100

77 20.9 19.3 28.9





#42

1,2-Dichloroethane

Concen: 49.714 ug/l

RT: 6.086 min Scan# 81

Delta R.T. 0.000 min

Lab File: VX038732.D

Acq: 10 Nov 2023 16:34

Instrument :

MSVOA_X

ClientSampleId :

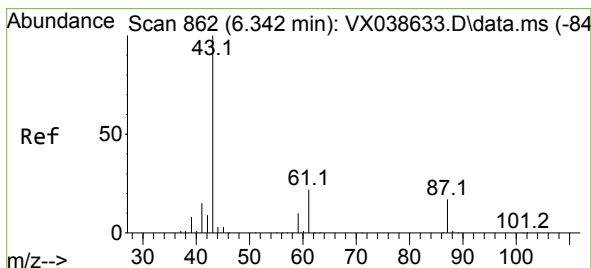
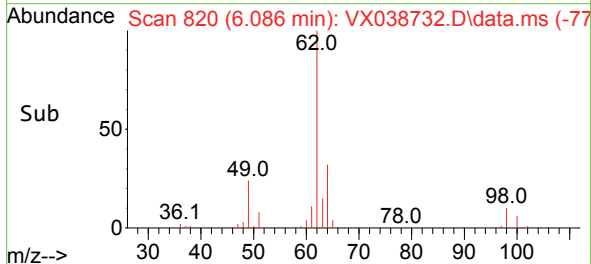
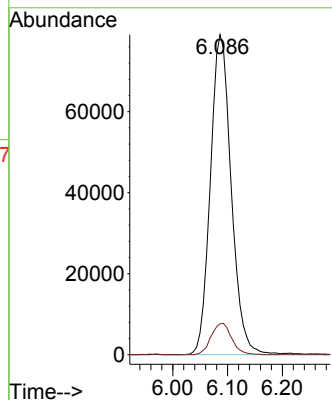
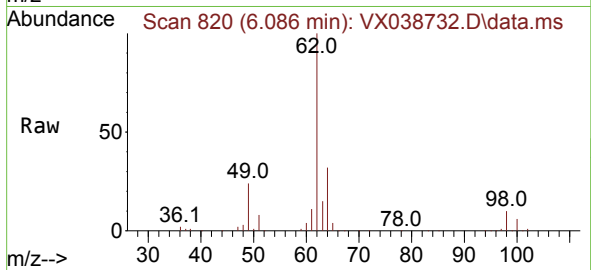
67S-IDW-01DL

Tgt Ion: 62 Resp: 208668

Ion Ratio Lower Upper

62 100

98 9.7 0.0 16.0



#43

Isopropyl Acetate

Concen: 1.028 ug/l

RT: 6.354 min Scan# 864

Delta R.T. 0.012 min

Lab File: VX038732.D

Acq: 10 Nov 2023 16:34

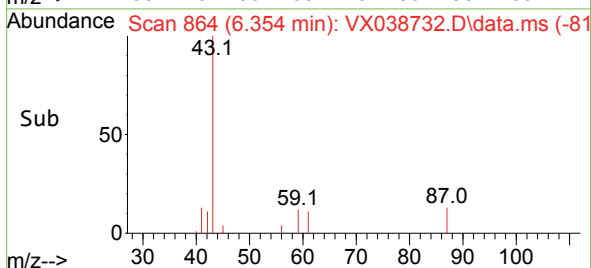
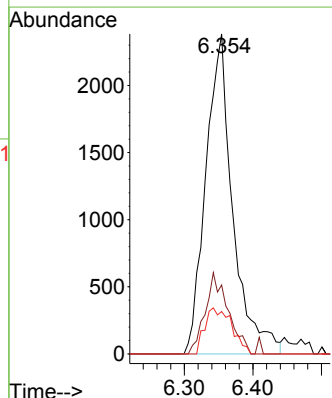
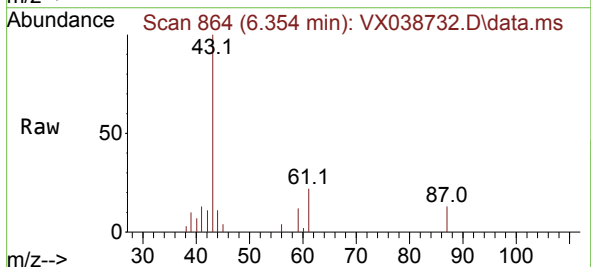
Tgt Ion: 43 Resp: 6515

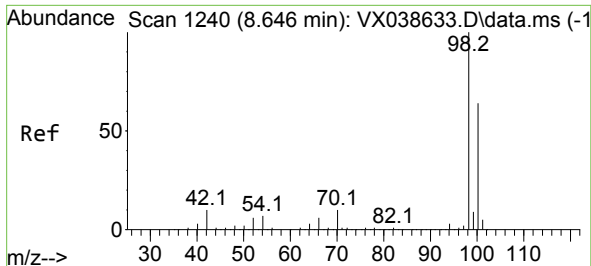
Ion Ratio Lower Upper

43 100

61 21.7 15.2 22.8

87 14.4 9.8 14.6

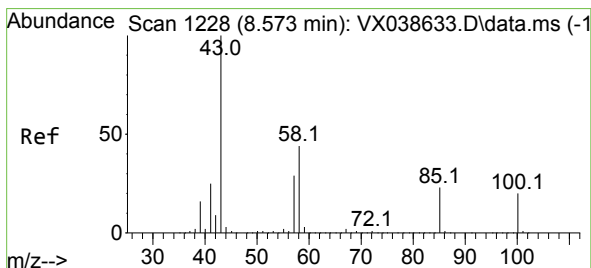
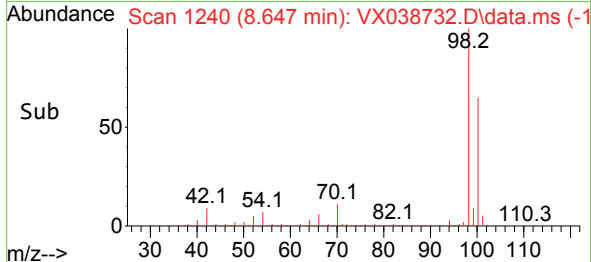
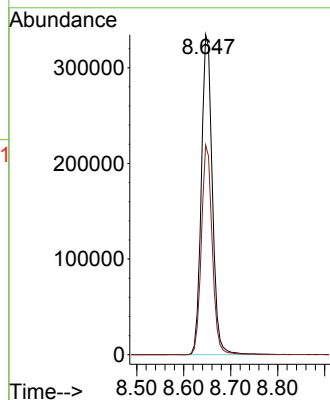
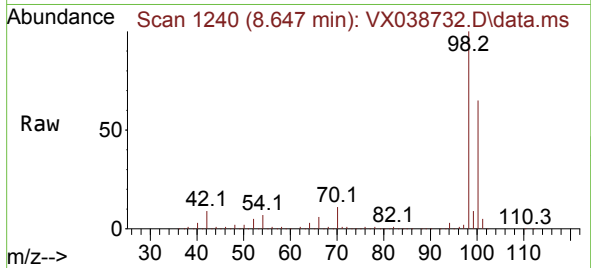




#50
Toluene-d8
Concen: 46.658 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX038732.D
Acq: 10 Nov 2023 16:34

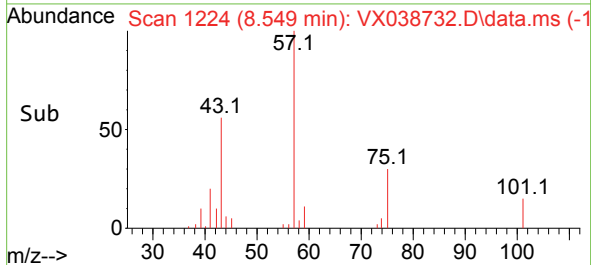
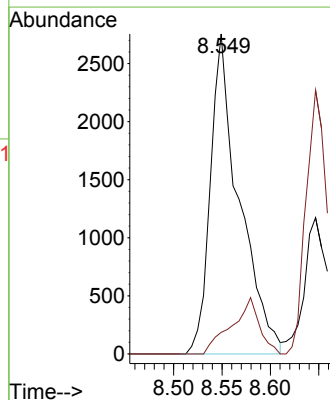
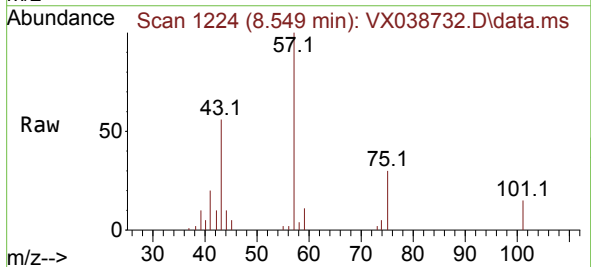
Instrument :
MSVOA_X
ClientSampleId :
67S-IDW-01DL

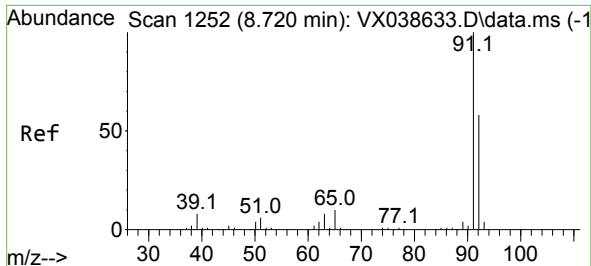
Tgt Ion: 98 Resp: 542844
Ion Ratio Lower Upper
98 100
100 65.0 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 1.382 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX038732.D
Acq: 10 Nov 2023 16:34

Tgt Ion: 43 Resp: 5707
Ion Ratio Lower Upper
43 100
58 0.0 30.4 45.6#

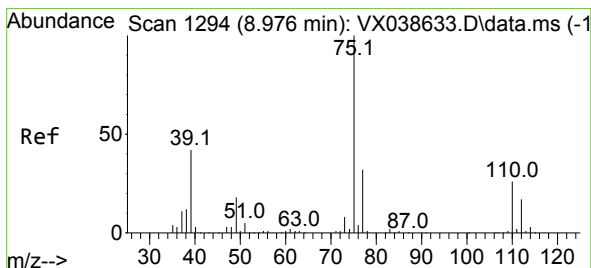
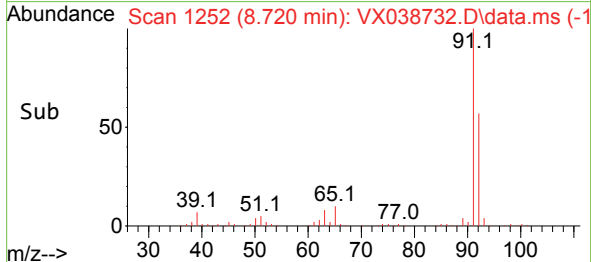
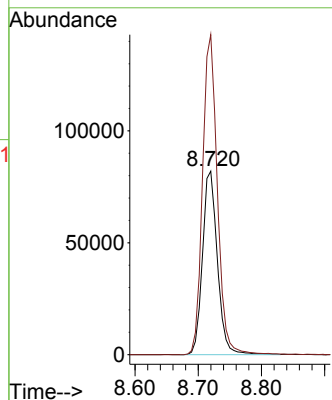
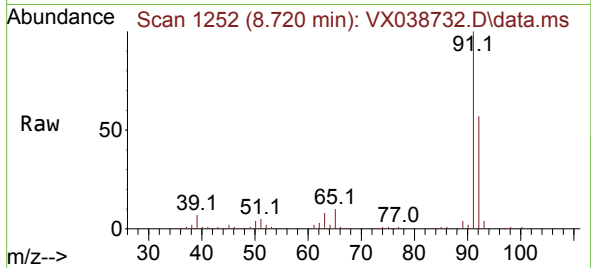




#52
Toluene
Concen: 17.682 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX038732.D
Acq: 10 Nov 2023 16:34

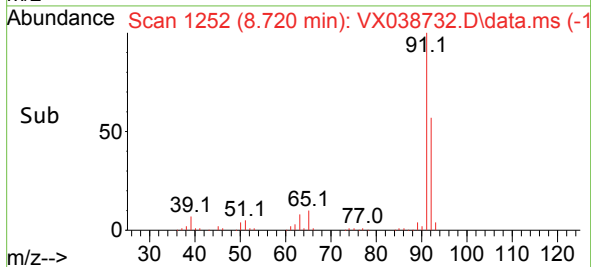
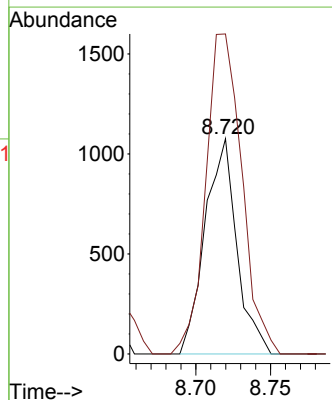
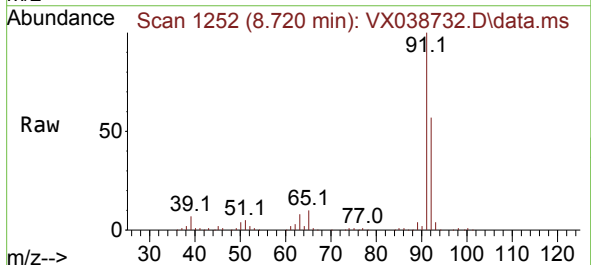
Instrument :
MSVOA_X
ClientSampleId :
67S-IDW-01DL

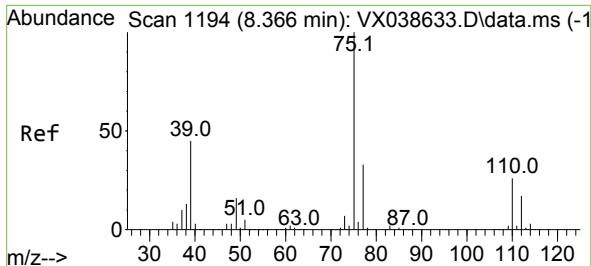
Tgt Ion: 92 Resp: 134745
Ion Ratio Lower Upper
92 100
91 173.5 134.2 201.2



#53
t-1,3-Dichloropropene
Concen: 0.353 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.256 min
Lab File: VX038732.D
Acq: 10 Nov 2023 16:34

Tgt Ion: 75 Resp: 1591
Ion Ratio Lower Upper
75 100
77 148.7 25.7 38.5#

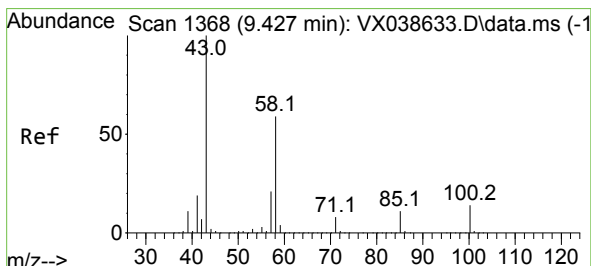
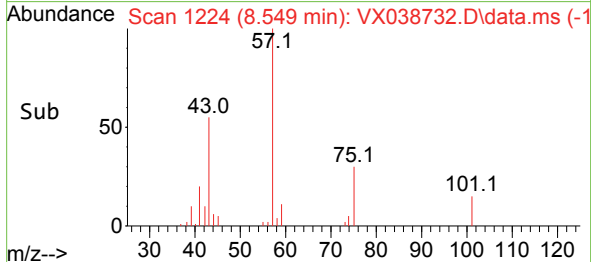
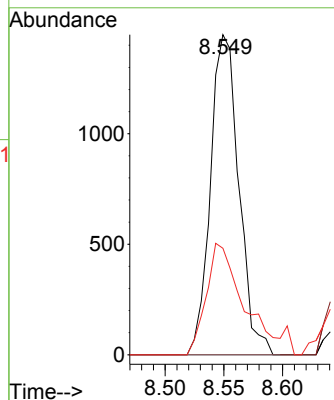
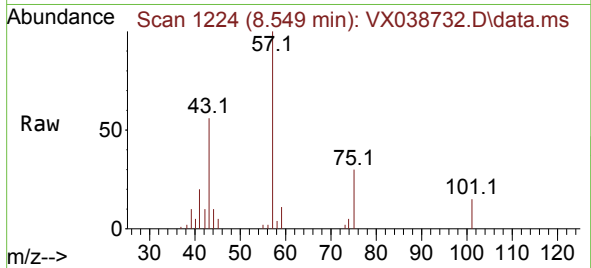




#54
 cis-1,3-Dichloropropene
 Concen: 0.512 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX038732.D
 Acq: 10 Nov 2023 16:34

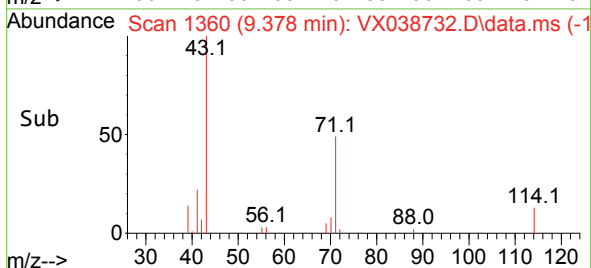
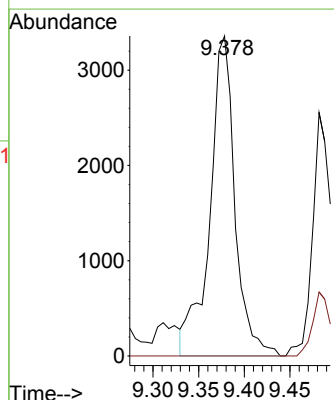
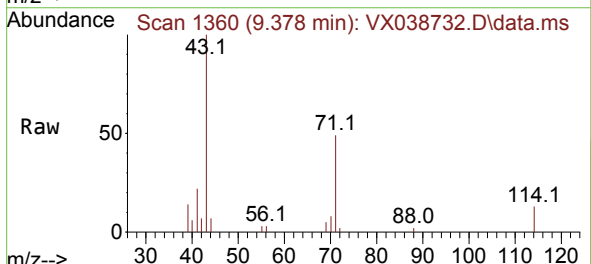
Instrument :
 MSVOA_X
 ClientSampleId :
 67S-IDW-01DL

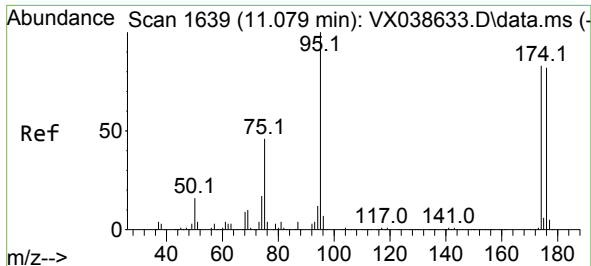
Tgt Ion: 75 Resp: 2435
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.3 37.9#
 39 33.3 46.7 70.1#



#59
 2-Hexanone
 Concen: 1.919 ug/l
 RT: 9.378 min Scan# 1360
 Delta R.T. -0.049 min
 Lab File: VX038732.D
 Acq: 10 Nov 2023 16:34

Tgt Ion: 43 Resp: 6413
 Ion Ratio Lower Upper
 43 100
 58 0.0 26.2 78.5#

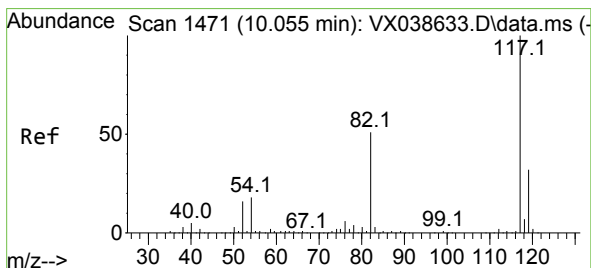
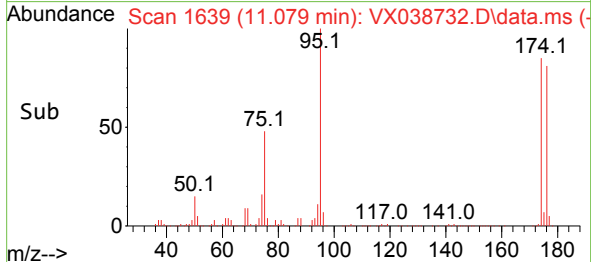
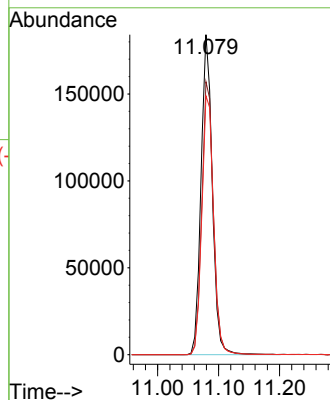
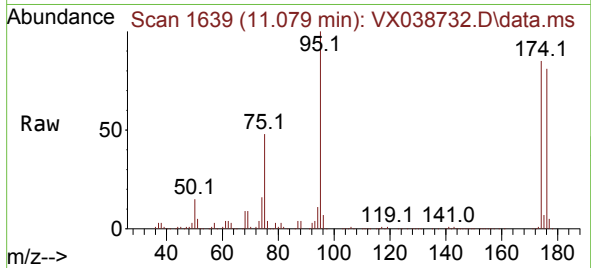




#62
4-Bromofluorobenzene
Concen: 52.424 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX038732.D
Acq: 10 Nov 2023 16:34

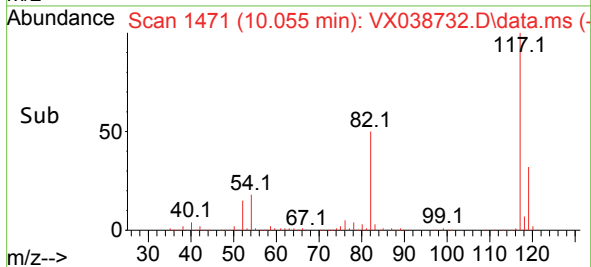
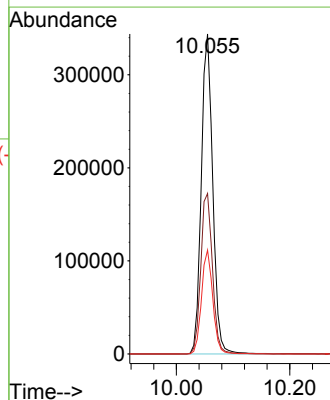
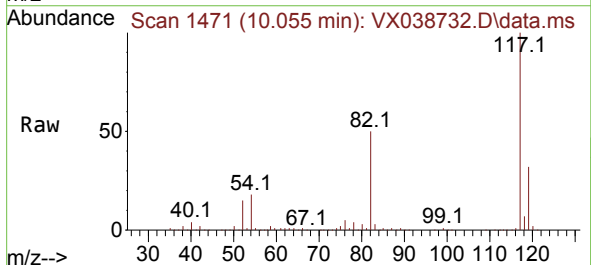
Instrument :
MSVOA_X
ClientSampleId :
67S-IDW-01DL

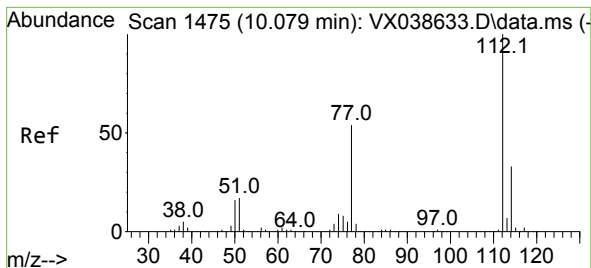
Tgt Ion: 95 Resp: 236476
Ion Ratio Lower Upper
95 100
174 88.4 0.0 135.6
176 84.6 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX038732.D
Acq: 10 Nov 2023 16:34

Tgt Ion: 117 Resp: 481130
Ion Ratio Lower Upper
117 100
82 50.1 46.2 69.4
119 32.4 25.5 38.3

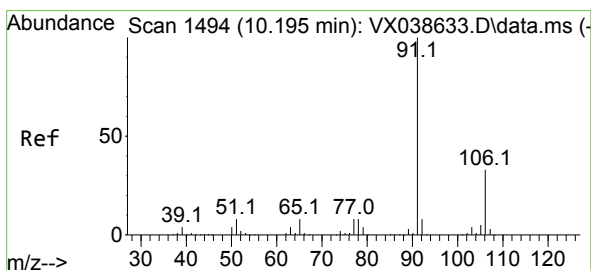
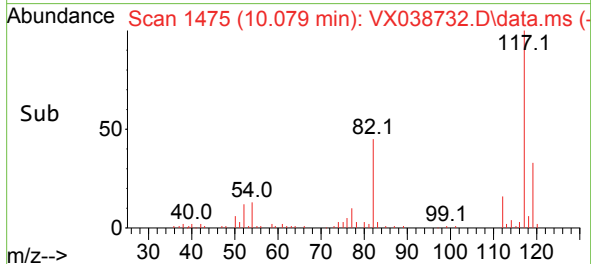
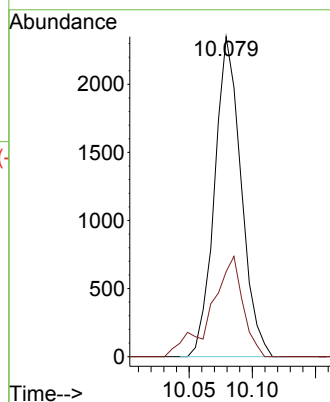
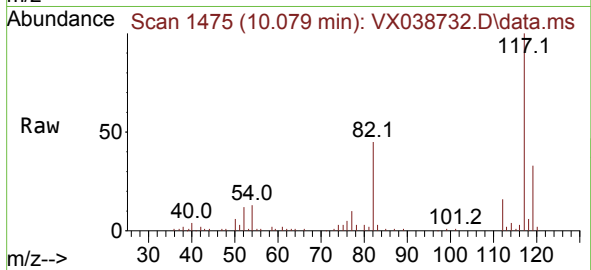




#65
Chlorobenzene
Concen: 0.350 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX038732.D
Acq: 10 Nov 2023 16:34

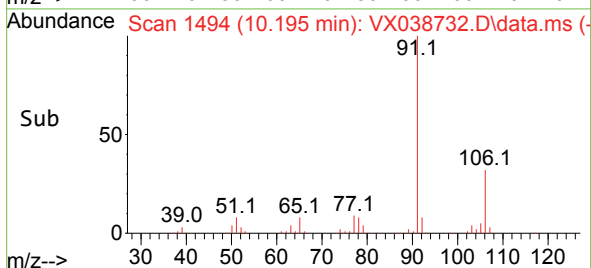
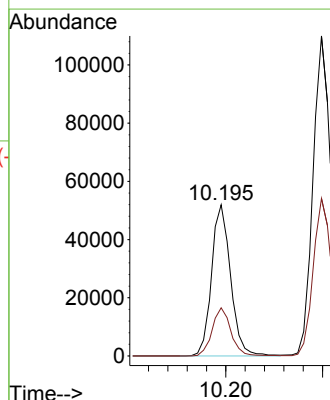
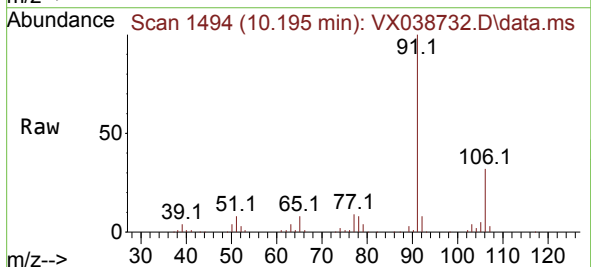
Instrument :
MSVOA_X
ClientSampleId :
67S-IDW-01DL

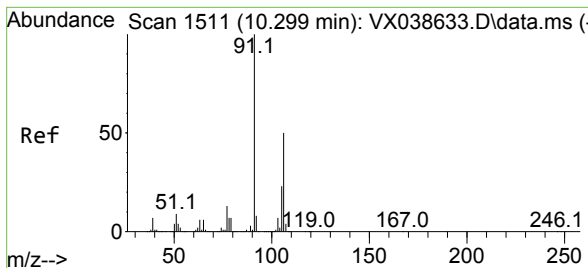
Tgt Ion:112 Resp: 3427
Ion Ratio Lower Upper
112 100
114 26.6 25.7 38.5



#67
Ethyl Benzene
Concen: 4.296 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX038732.D
Acq: 10 Nov 2023 16:34

Tgt Ion: 91 Resp: 71173
Ion Ratio Lower Upper
91 100
106 31.8 24.9 37.3

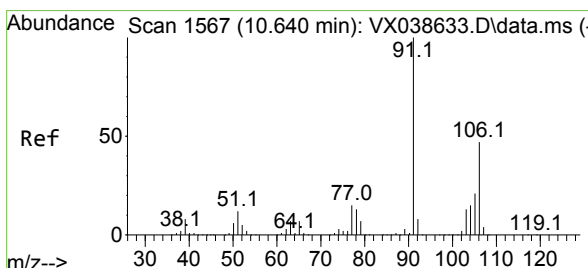
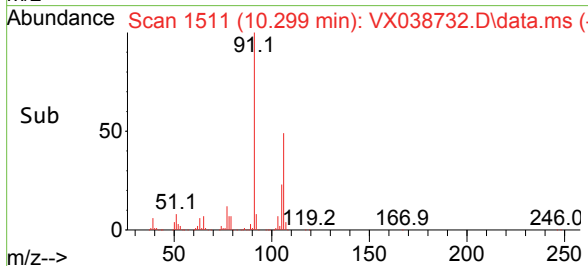
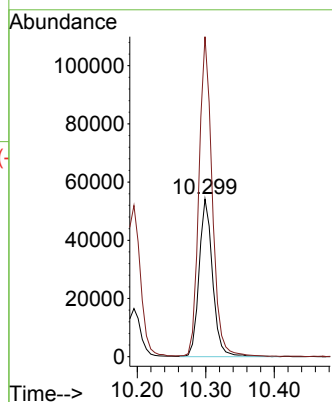
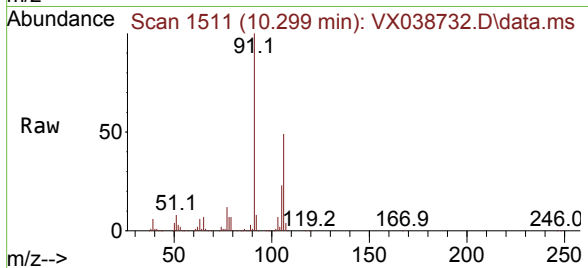




#68
m/p-Xylenes
Concen: 11.309 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX038732.D
Acq: 10 Nov 2023 16:34

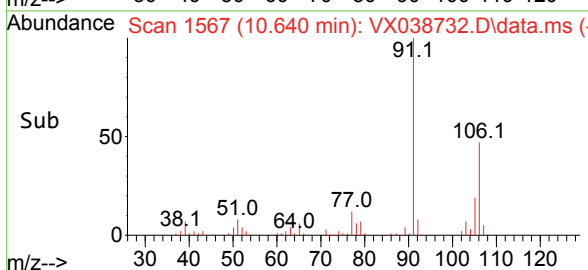
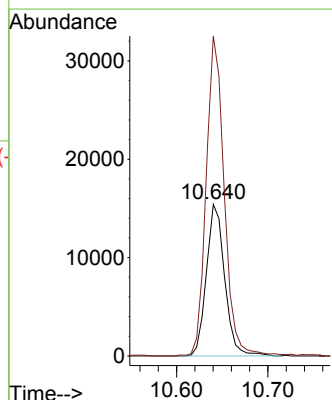
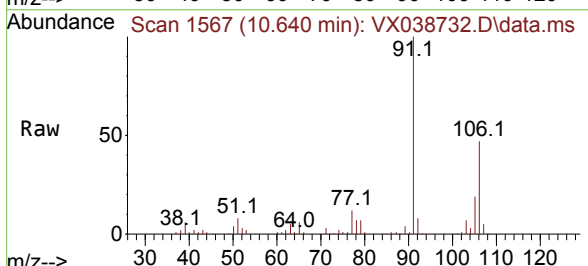
Instrument :
MSVOA_X
ClientSampleId :
67S-IDW-01DL

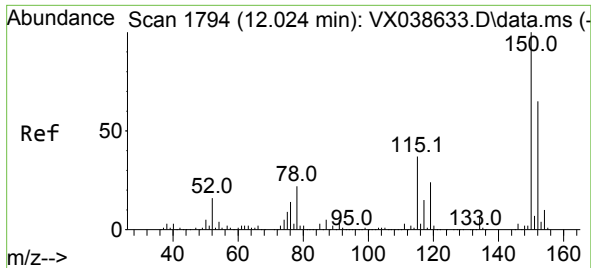
Tgt Ion:106 Resp: 74357
Ion Ratio Lower Upper
106 100
91 199.1 165.5 248.3



#69
o-Xylene
Concen: 3.350 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX038732.D
Acq: 10 Nov 2023 16:34

Tgt Ion:106 Resp: 21423
Ion Ratio Lower Upper
106 100
91 208.4 108.9 326.8

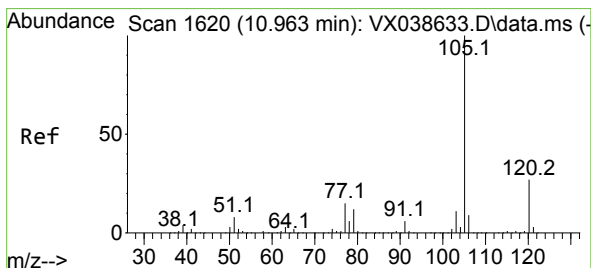
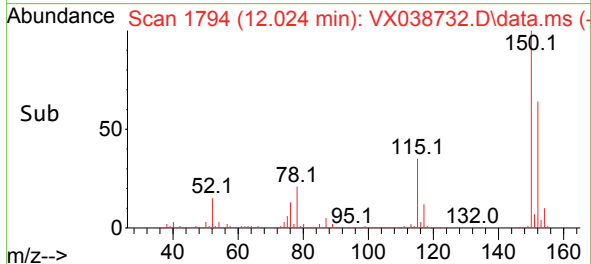
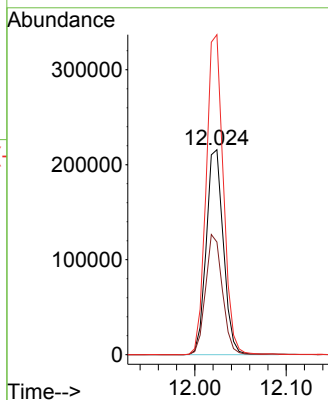
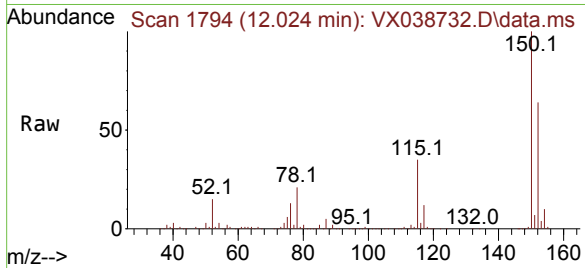




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX038732.D
Acq: 10 Nov 2023 16:34

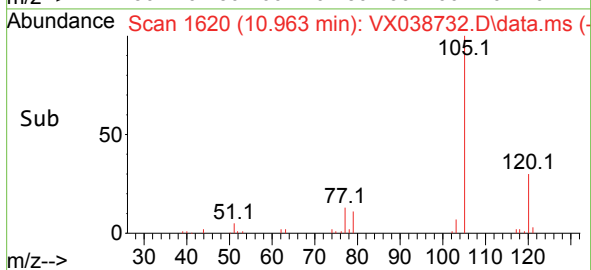
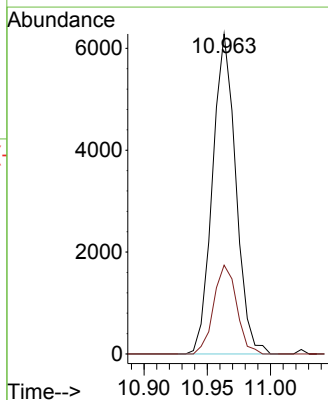
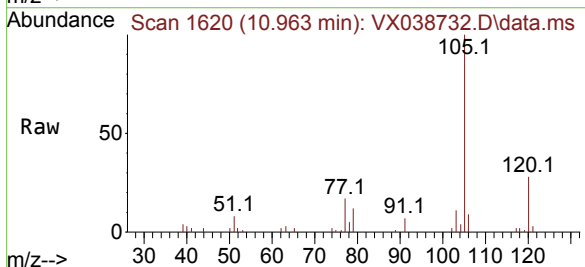
Instrument :
MSVOA_X
ClientSampleId :
67S-IDW-01DL

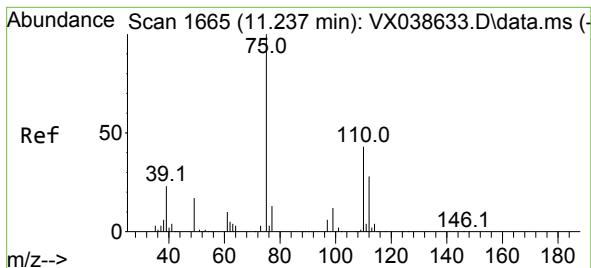
Tgt Ion:152 Resp: 280714
Ion Ratio Lower Upper
152 100
115 57.6 43.3 129.9
150 156.9 0.0 345.0



#73
Isopropylbenzene
Concen: 0.466 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX038732.D
Acq: 10 Nov 2023 16:34

Tgt Ion:105 Resp: 8032
Ion Ratio Lower Upper
105 100
120 27.4 12.9 38.6





#76

1,2,3-Trichloropropane

Concen: 20.662 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.158 min

Lab File: VX038732.D

Acq: 10 Nov 2023 16:34

Instrument :

MSVOA_X

ClientSampleId :

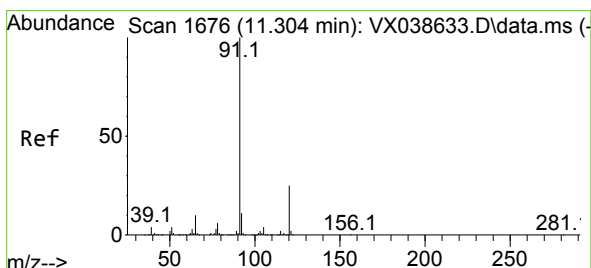
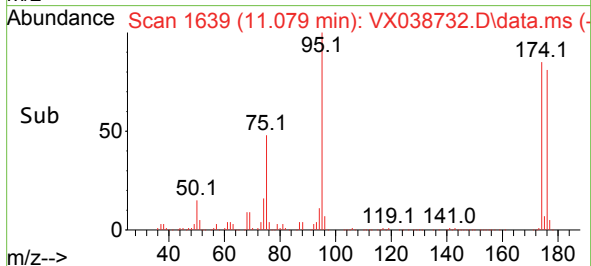
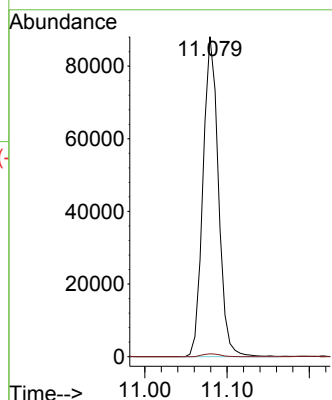
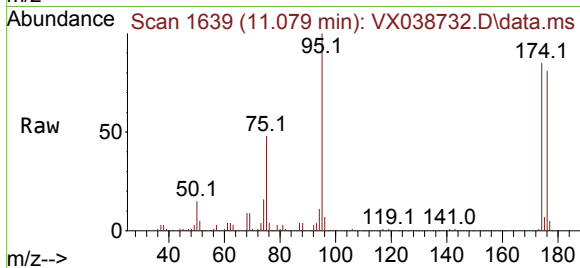
67S-IDW-01DL

Tgt Ion: 75 Resp: 114871

Ion Ratio Lower Upper

75 100

77 1.0 19.1 57.5#



#78

n-propylbenzene

Concen: 0.630 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. 0.000 min

Lab File: VX038732.D

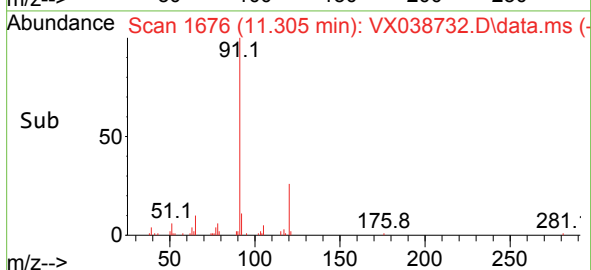
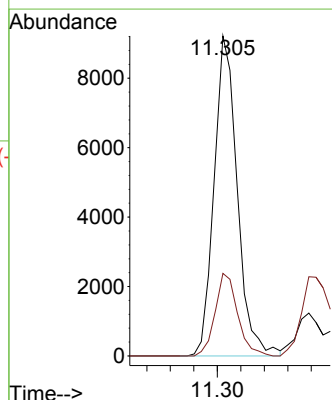
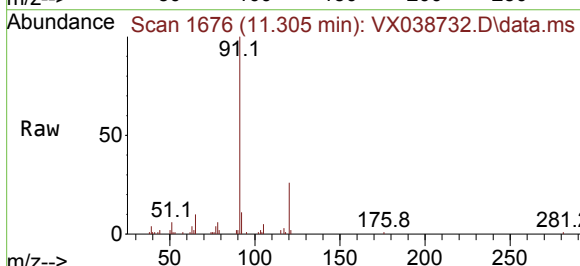
Acq: 10 Nov 2023 16:34

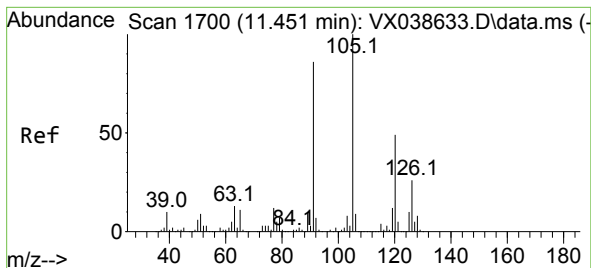
Tgt Ion: 91 Resp: 12635

Ion Ratio Lower Upper

91 100

120 25.1 11.5 34.4





#80

1,3,5-Trimethylbenzene

Concen: 0.421 ug/l

RT: 11.451 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX038732.D

Acq: 10 Nov 2023 16:34

Instrument :

MSVOA_X

ClientSampleId :

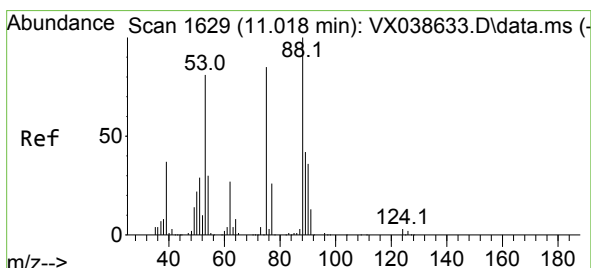
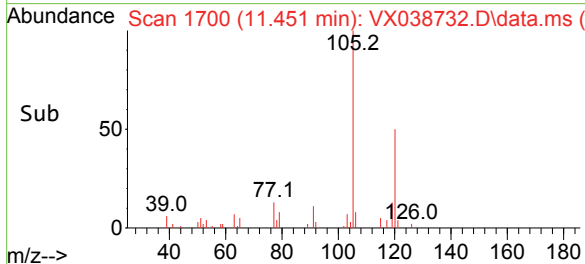
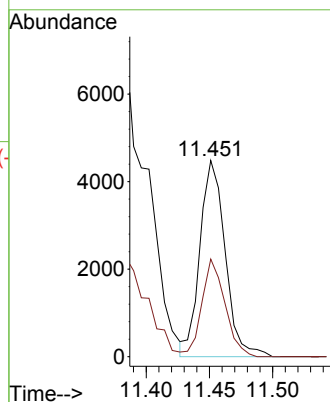
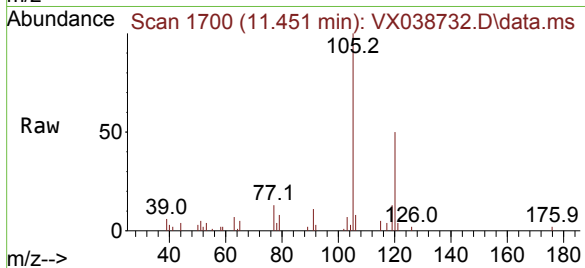
67S-IDW-01DL

Tgt Ion:105 Resp: 6243

Ion Ratio Lower Upper

105 100

120 45.6 24.1 72.3



#81

trans-1,4-Dichloro-2-butene

Concen: 62.921 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX038732.D

Acq: 10 Nov 2023 16:34

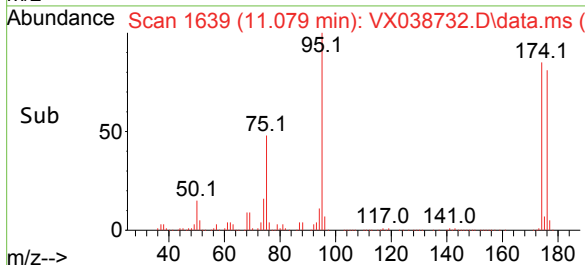
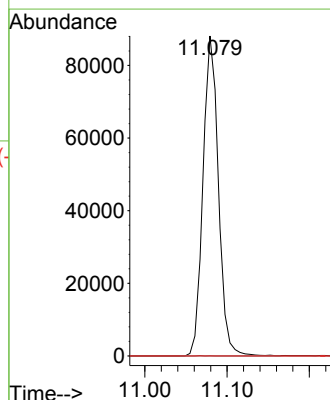
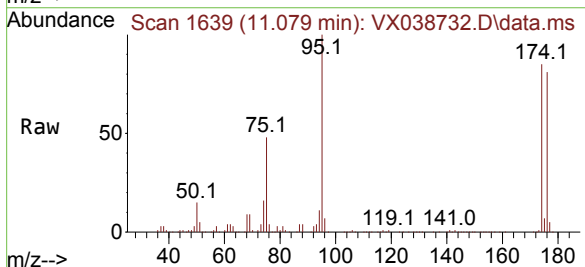
Tgt Ion: 75 Resp: 114871

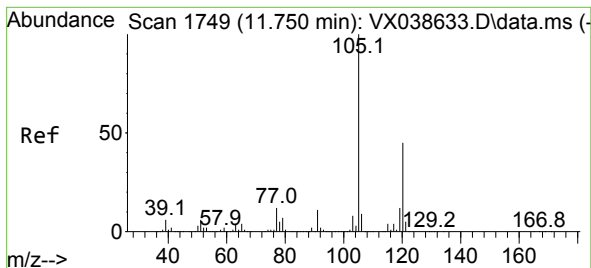
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#





#84

1,2,4-Trimethylbenzene

Concen: 1.673 ug/l

RT: 11.750 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX038732.D

Acq: 10 Nov 2023 16:34

Instrument :

MSVOA_X

ClientSampleId :

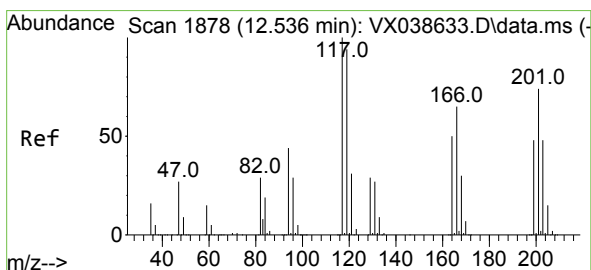
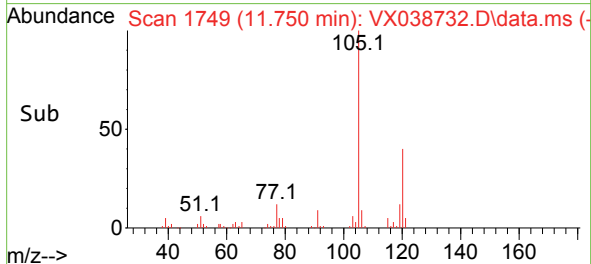
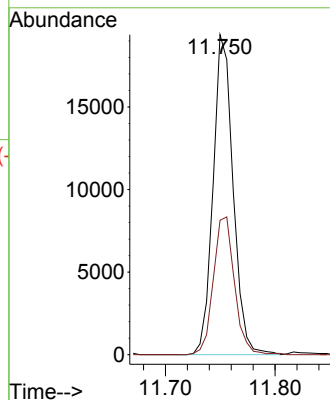
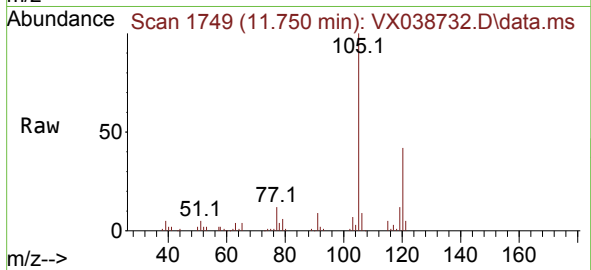
67S-IDW-01DL

Tgt Ion:105 Resp: 24595

Ion Ratio Lower Upper

105 100

120 45.6 21.2 63.6



#90

Hexachloroethane

Concen: 0.271 ug/l

RT: 12.530 min Scan# 1877

Delta R.T. -0.006 min

Lab File: VX038732.D

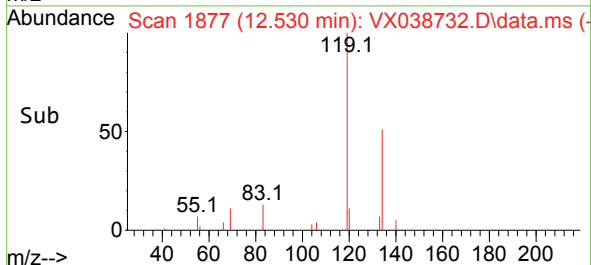
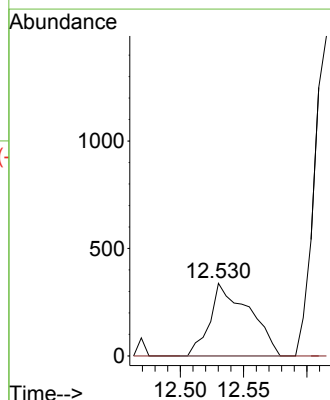
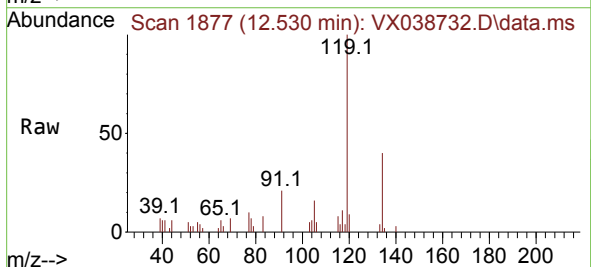
Acq: 10 Nov 2023 16:34

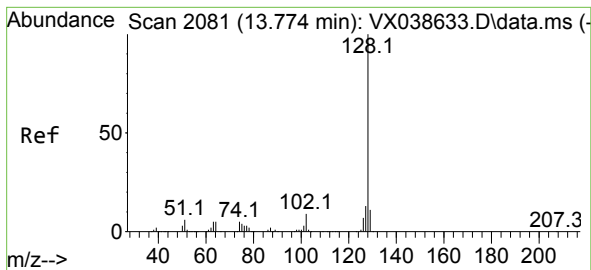
Tgt Ion:117 Resp: 733

Ion Ratio Lower Upper

117 100

201 0.0 32.9 98.6#





#95

Naphthalene

Concen: 1.912 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VX038732.D

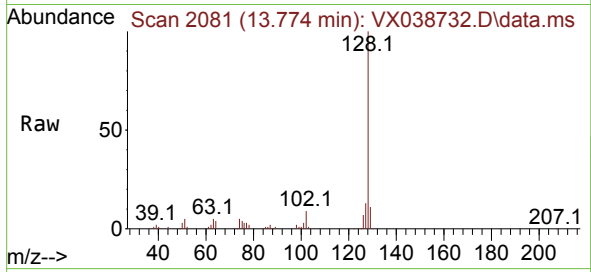
Acq: 10 Nov 2023 16:34

Instrument :

MSVOA_X

ClientSampleId :

67S-IDW-01DL



Tgt Ion:128 Resp: 36409

Ion Ratio Lower Upper

128 100

127 12.5 10.3 15.5

129 10.8 8.8 13.2

