

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092723\
 Data File : VX037928.D
 Acq On : 27 Sep 2023 16:49
 Operator : JC/MD
 Sample : 04649-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DD

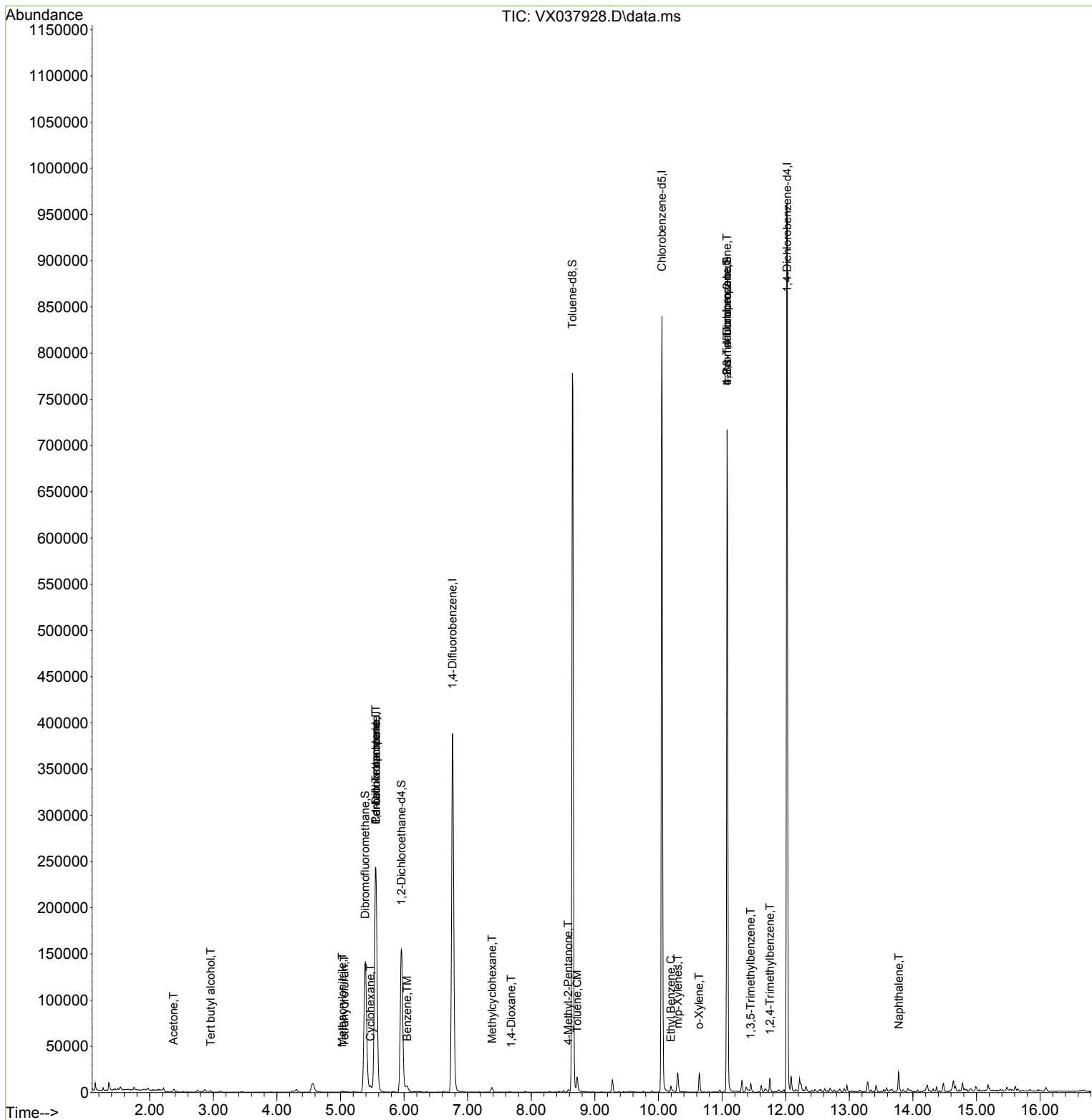
Quant Time: Sep 28 01:24:32 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091523W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 16 04:55:44 2023
 Response via : Initial Calibration

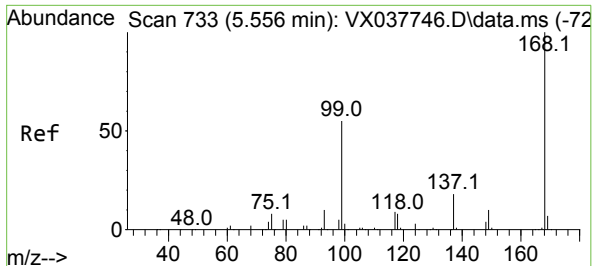
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.556	168	241513	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	406865	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	385274	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	205964	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	148113	46.678	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	93.360%		
35) Dibromofluoromethane	5.385	113	124472	45.722	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.440%		
50) Toluene-d8	8.647	98	491656	48.606	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.220%		
62) 4-Bromofluorobenzene	11.079	95	183836	50.014	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	100.020%		
Target Compounds						
						Qvalue
11) Tert butyl alcohol	2.959	59	2128	3.124	ug/l	98
16) Acetone	2.373	43	3522	2.307	ug/l #	88
29) Tetrahydrofuran	5.062	42	327	0.244	ug/l	94
31) Cyclohexane	5.470	56	4034	0.990	ug/l	98
36) 1,1-Dichloropropene	5.556	75	17833	4.755	ug/l #	50
38) Carbon Tetrachloride	5.556	117	24197	6.167	ug/l #	14
39) Methylcyclohexane	7.385	83	2187	0.459	ug/l #	85
40) Benzene	6.050	78	7749	0.672	ug/l #	90
41) Methacrylonitrile	5.025	41	450	0.214	ug/l #	44
49) 1,4-Dioxane	7.683	88	25	0.303	ug/l #	12
51) 4-Methyl-2-Pentanone	8.580	43	1646	0.394	ug/l	99
52) Toluene	8.720	92	5680	0.764	ug/l	89
67) Ethyl Benzene	10.195	91	4386	0.304	ug/l	96
68) m/p-Xylenes	10.305	106	5065	0.910	ug/l	100
69) o-Xylene	10.640	106	4620	0.828	ug/l	97
76) 1,2,3-Trichloropropane	11.079	75	93908	19.713	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.451	105	4126	0.323	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.079	75	93908	63.148	ug/l #	5
84) 1,2,4-Trimethylbenzene	11.756	105	6733	0.530	ug/l	92
95) Naphthalene	13.780	128	15645	1.103	ug/l	98

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

Quant Time: Sep 28 01:24:32 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091523W.M
Quant Title : SW846 8260
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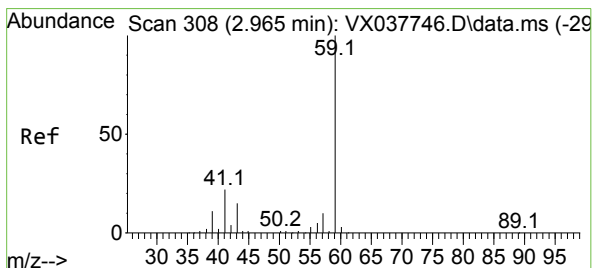
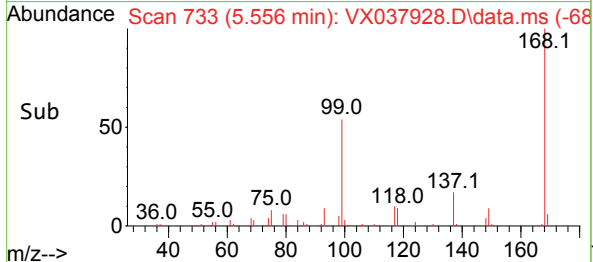
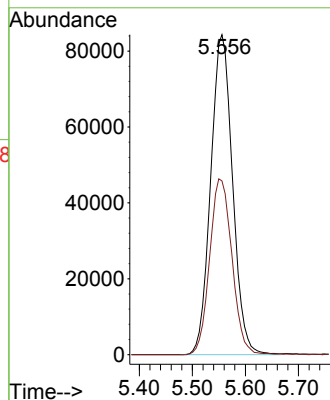
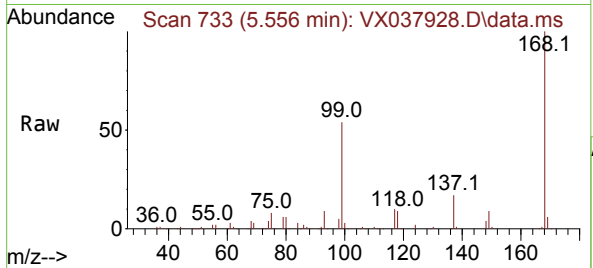




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX037928.D
Acq: 27 Sep 2023 16:49

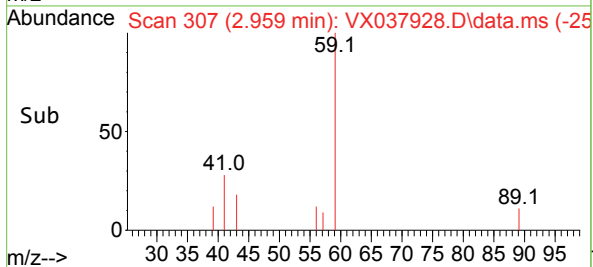
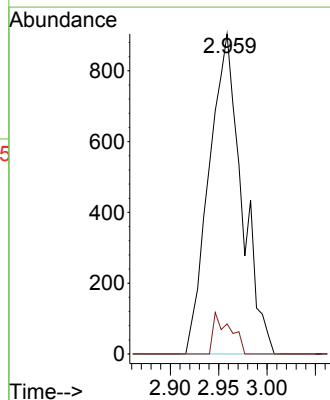
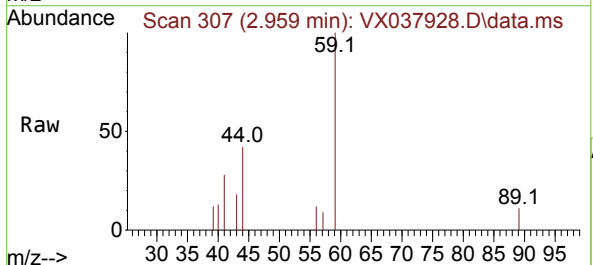
Instrument :
MSVOA_X
ClientSampleId :
DD

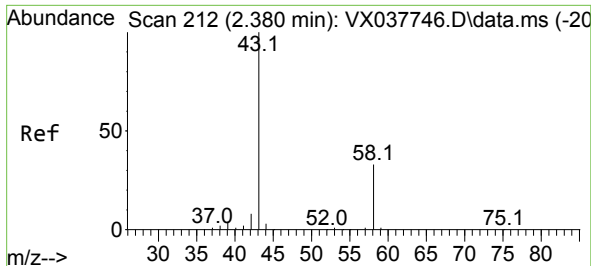
Tgt Ion:168 Resp: 241513
Ion Ratio Lower Upper
168 100
99 54.3 56.6 85.0#



#11
Tert butyl alcohol
Concen: 3.124 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.006 min
Lab File: VX037928.D
Acq: 27 Sep 2023 16:49

Tgt Ion: 59 Resp: 2128
Ion Ratio Lower Upper
59 100
57 6.7 6.0 9.0

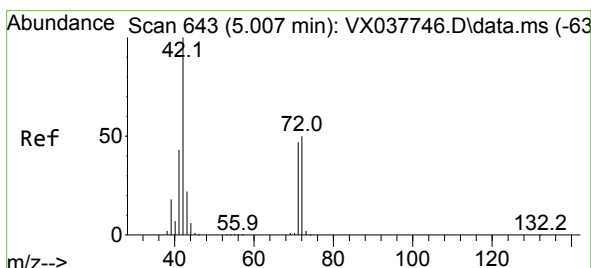
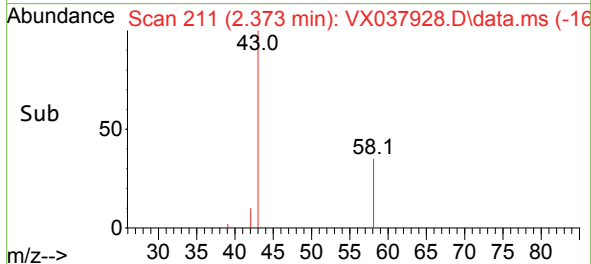
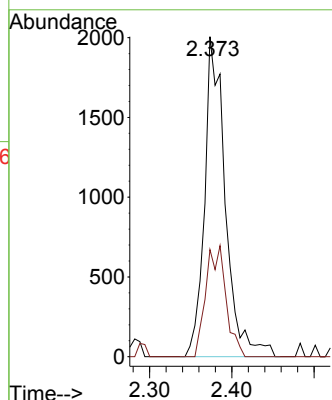
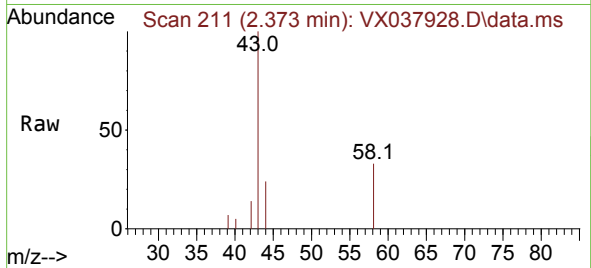




#16
Acetone
Concen: 2.307 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.006 min
Lab File: VX037928.D
Acq: 27 Sep 2023 16:49

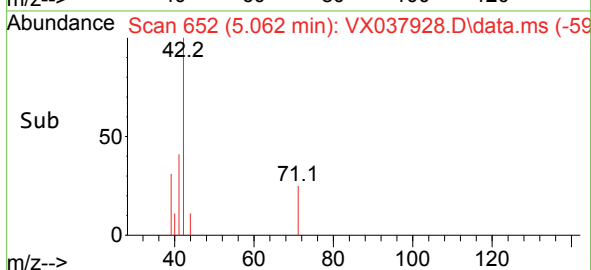
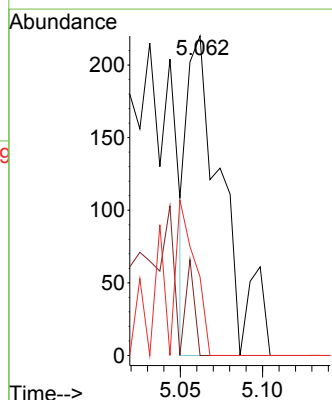
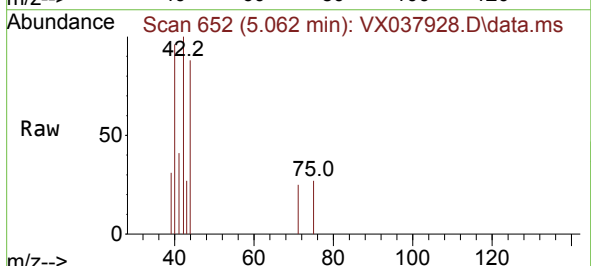
Instrument :
MSVOA_X
ClientSampleId :
DD

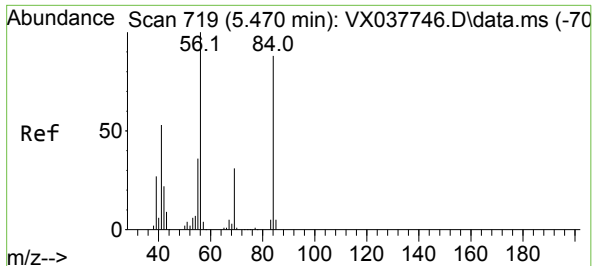
Tgt Ion: 43 Resp: 3522
Ion Ratio Lower Upper
43 100
58 33.4 21.9 32.9#



#29
Tetrahydrofuran
Concen: 0.244 ug/l
RT: 5.062 min Scan# 652
Delta R.T. 0.049 min
Lab File: VX037928.D
Acq: 27 Sep 2023 16:49

Tgt Ion: 42 Resp: 327
Ion Ratio Lower Upper
42 100
72 47.4 34.2 51.4
71 42.5 32.2 48.2

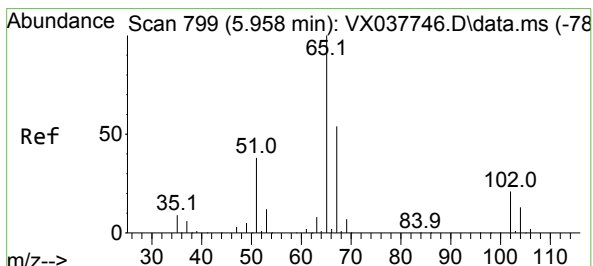
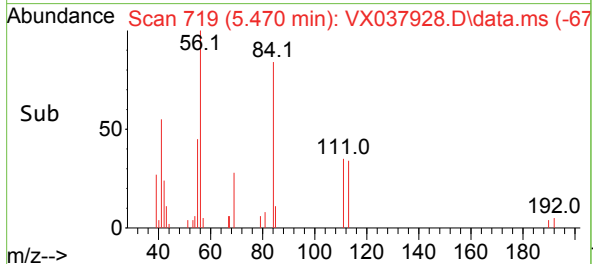
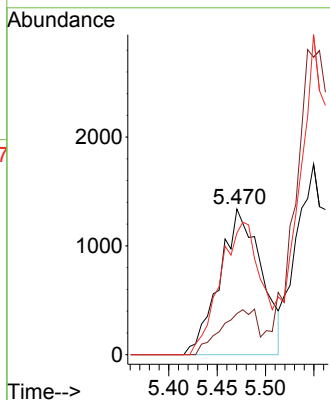
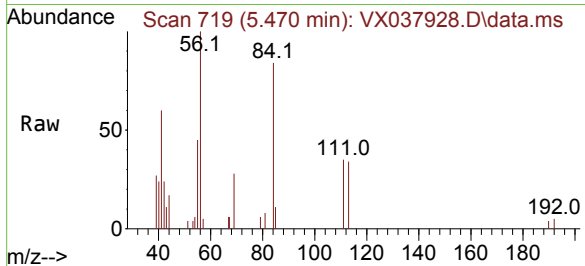




#31
Cyclohexane
Concen: 0.990 ug/l
RT: 5.470 min Scan# 719
Delta R.T. -0.000 min
Lab File: VX037928.D
Acq: 27 Sep 2023 16:49

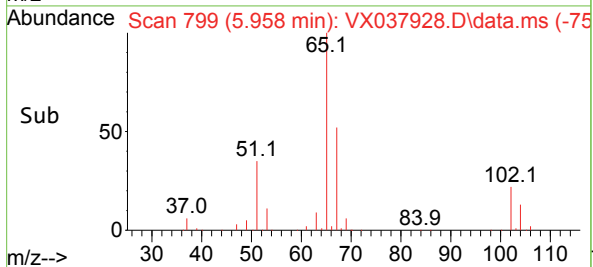
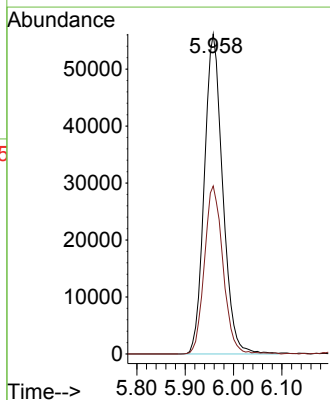
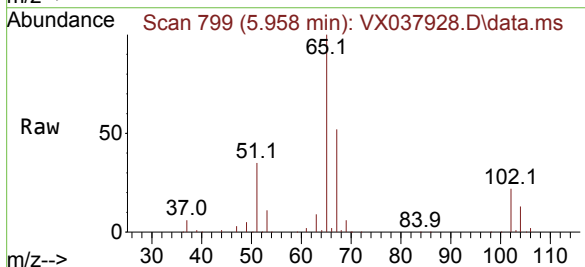
Instrument :
MSVOA_X
ClientSampleId :
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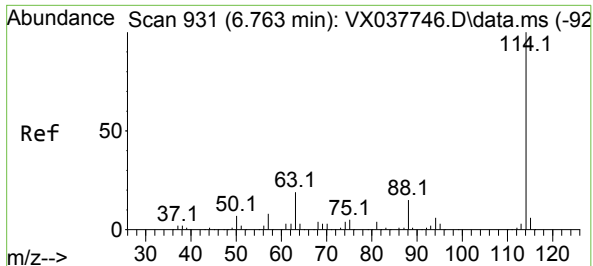
Tgt Ion: 56 Resp: 4034
Ion Ratio Lower Upper
56 100
69 28.3 23.4 35.2
84 83.6 65.9 98.9



#33
1,2-Dichloroethane-d4
Concen: 46.678 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX037928.D
Acq: 27 Sep 2023 16:49

Tgt Ion: 65 Resp: 148113
Ion Ratio Lower Upper
65 100
67 53.2 0.0 100.2

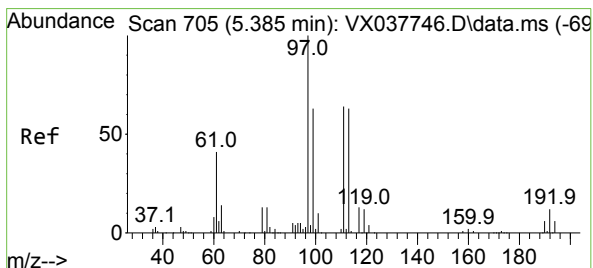
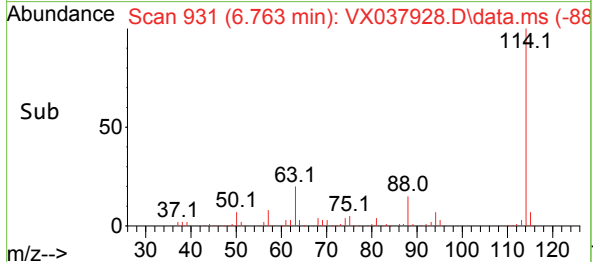
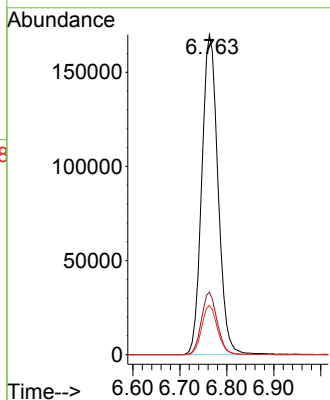
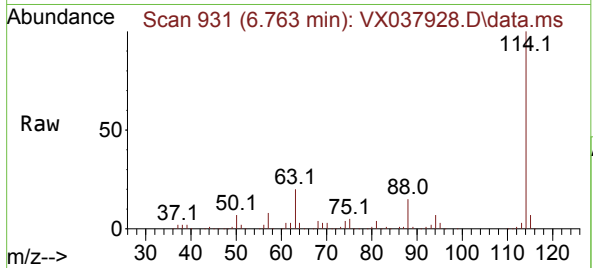




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX037928.D
Acq: 27 Sep 2023 16:49

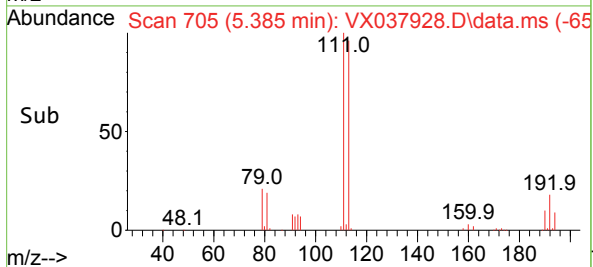
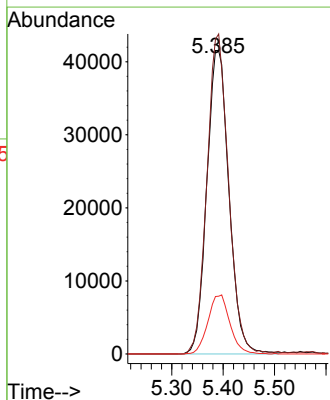
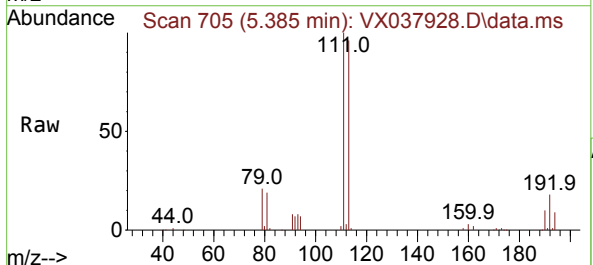
Instrument :
MSVOA_X
ClientSampleId :
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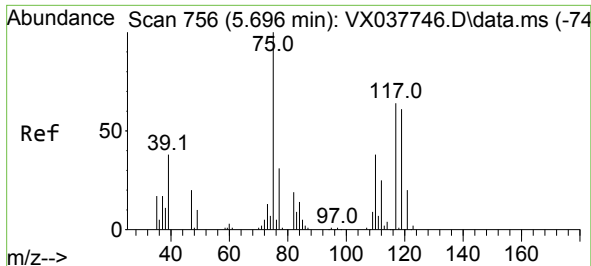
Tgt Ion:114 Resp: 406865
Ion Ratio Lower Upper
114 100
63 19.5 0.0 45.0
88 15.3 0.0 36.6



#35
Dibromofluoromethane
Concen: 45.722 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX037928.D
Acq: 27 Sep 2023 16:49

Tgt Ion:113 Resp: 124472
Ion Ratio Lower Upper
113 100
111 102.7 82.9 124.3
192 19.3 13.3 19.9

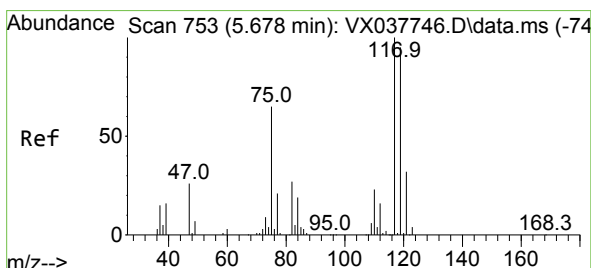
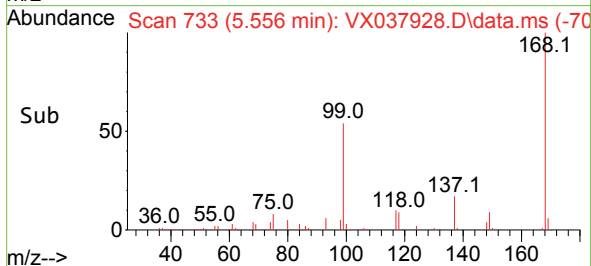
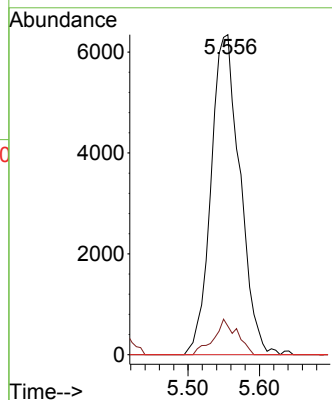
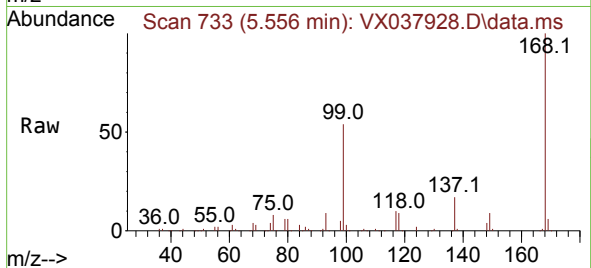




#36
1,1-Dichloropropene
Concen: 4.755 ug/l
RT: 5.556 min Scan# 713
Delta R.T. -0.140 min
Lab File: VX037928.D
Acq: 27 Sep 2023 16:49

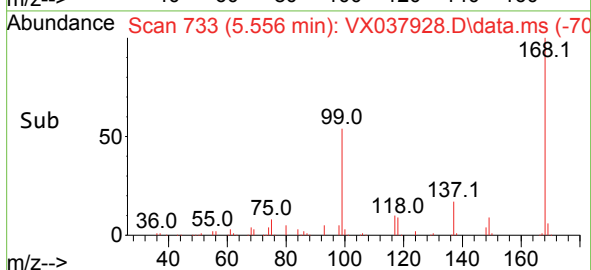
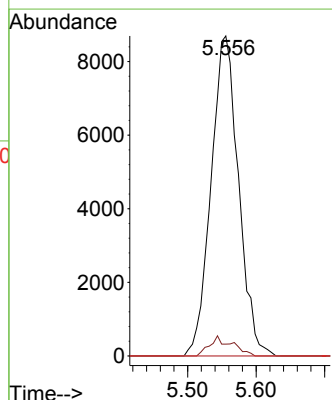
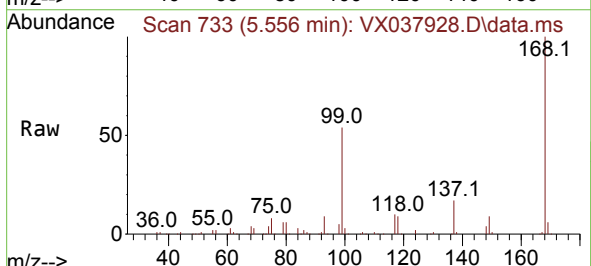
Instrument :
MSVOA_X
ClientSampleId :
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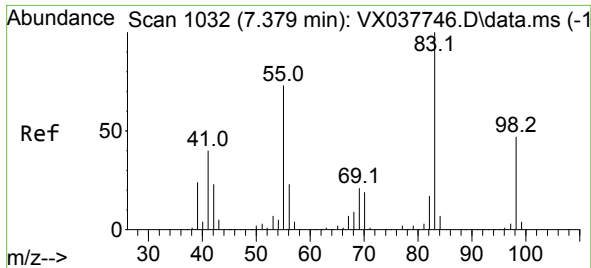
Tgt Ion: 75 Resp: 17833
Ion Ratio Lower Upper
75 100
110 8.9 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.167 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.122 min
Lab File: VX037928.D
Acq: 27 Sep 2023 16:49

Tgt Ion: 117 Resp: 24197
Ion Ratio Lower Upper
117 100
119 3.7 78.2 117.2#
121 0.0 24.4 36.6#





#39

Methylcyclohexane

Concen: 0.459 ug/l

RT: 7.385 min Scan# 1033

Delta R.T. 0.006 min

Lab File: VX037928.D

Acq: 27 Sep 2023 16:49

Instrument :

MSVOA_X

ClientSampleId :

DD

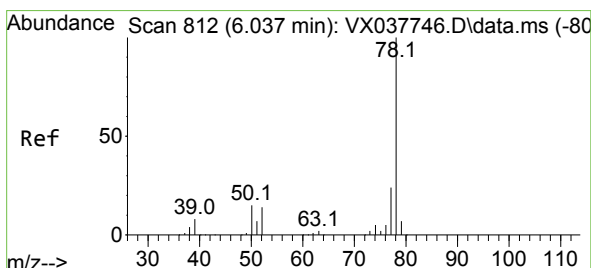
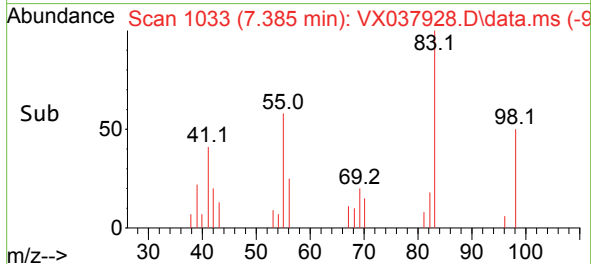
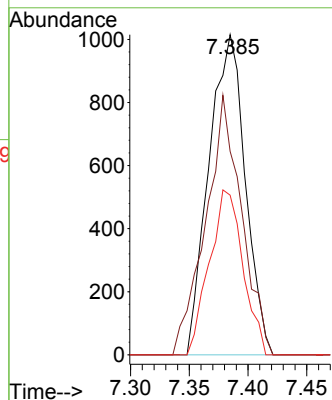
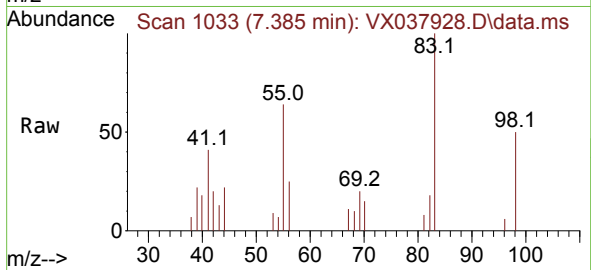
Tgt Ion: 83 Resp: 2187

Ion Ratio Lower Upper

83 100

55 63.5 64.6 97.0#

98 49.9 36.7 55.1



#40

Benzene

Concen: 0.672 ug/l

RT: 6.050 min Scan# 814

Delta R.T. 0.006 min

Lab File: VX037928.D

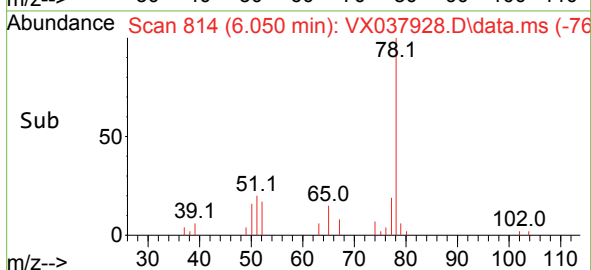
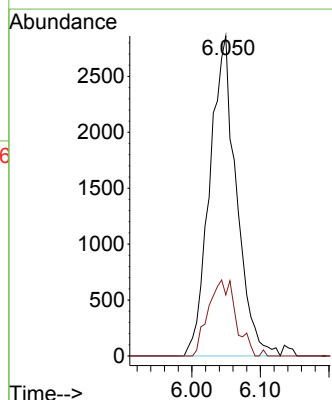
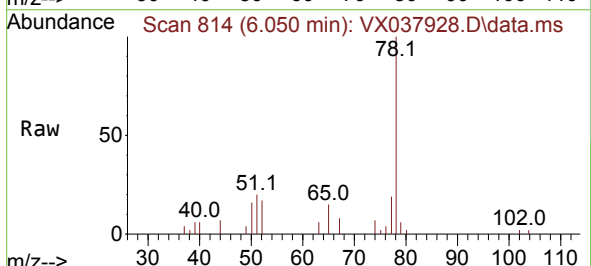
Acq: 27 Sep 2023 16:49

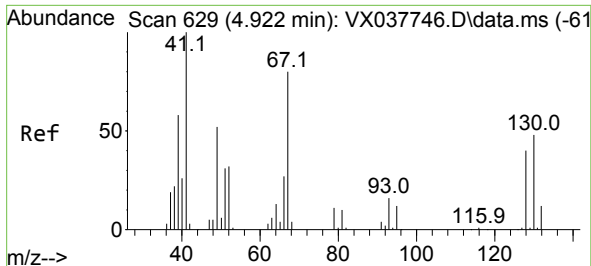
Tgt Ion: 78 Resp: 7749

Ion Ratio Lower Upper

78 100

77 19.1 19.3 28.9#

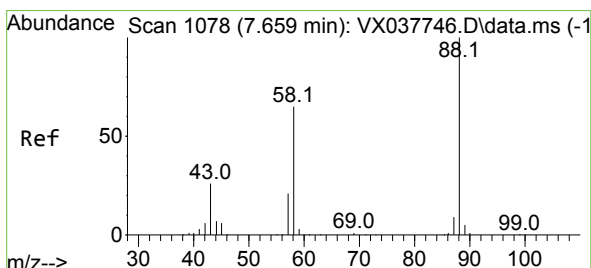
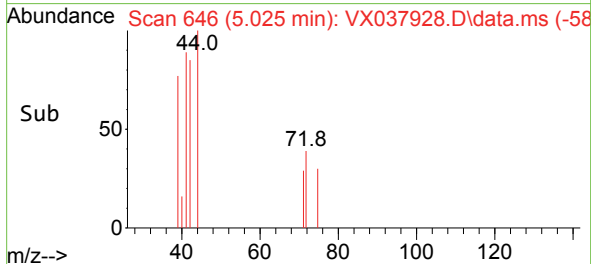
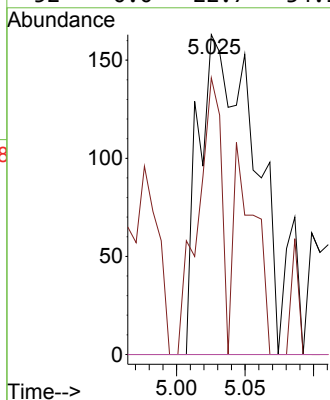
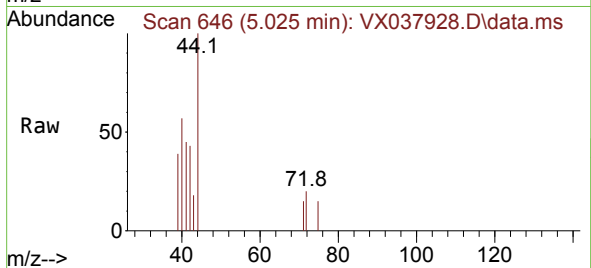




#41
Methacrylonitrile
Concen: 0.214 ug/l
RT: 5.025 min Scan# 64
Delta R.T. 0.079 min
Lab File: VX037928.D
Acq: 27 Sep 2023 16:49

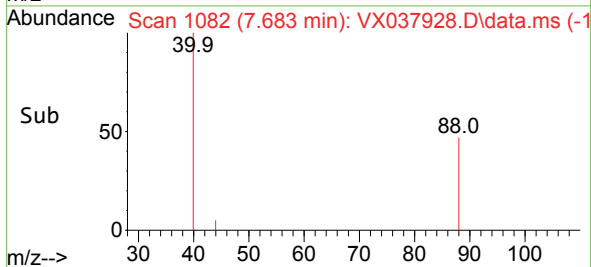
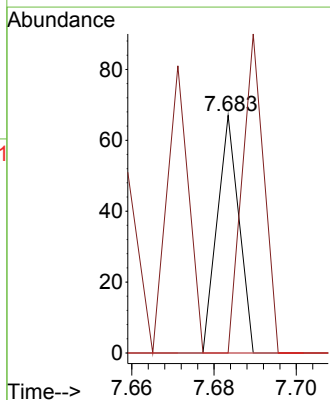
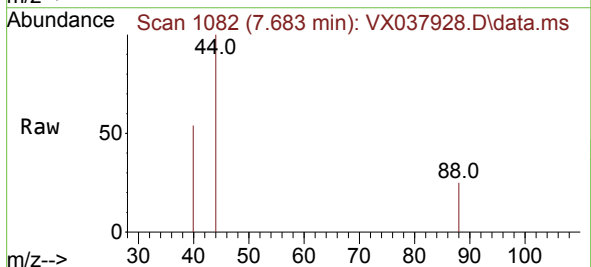
Instrument :
MSVOA_X
ClientSampleId :
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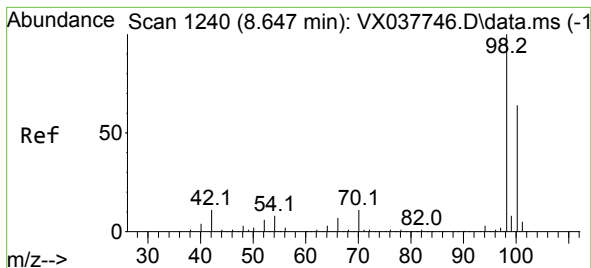
Tgt Ion: 41	Resp:	450
Ion	Ratio	Lower Upper
41	100	
39	37.6	45.2 67.8#
67	0.0	52.6 78.8#
52	0.0	22.7 34.1#



#49
1,4-Dioxane
Concen: 0.303 ug/l
RT: 7.683 min Scan# 1082
Delta R.T. 0.012 min
Lab File: VX037928.D
Acq: 27 Sep 2023 16:49

Tgt Ion: 88	Resp:	25
Ion	Ratio	Lower Upper
88	100	
43	132.0	0.0 0.0#
58	0.0	60.1 90.1#





#50

Toluene-d8

Concen: 48.606 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX037928.D

Acq: 27 Sep 2023 16:49

Instrument :

MSVOA_X

ClientSampleId :

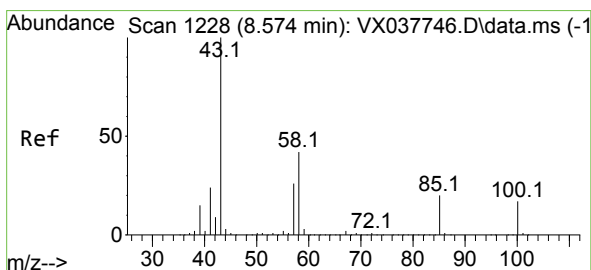
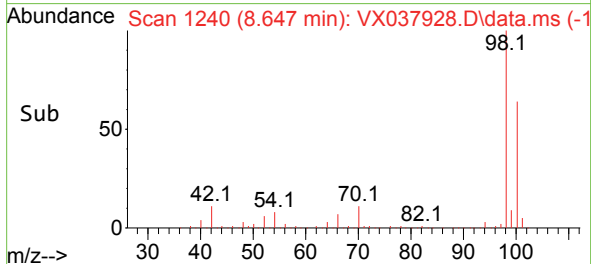
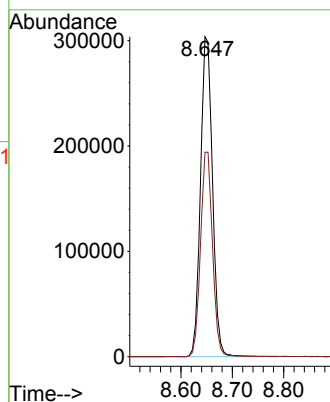
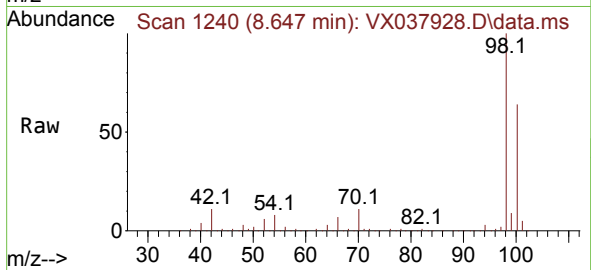
DD

Tgt Ion: 98 Resp: 491656

Ion Ratio Lower Upper

98 100

100 63.9 53.1 79.7



#51

4-Methyl-2-Pentanone

Concen: 0.394 ug/l

RT: 8.580 min Scan# 1229

Delta R.T. 0.006 min

Lab File: VX037928.D

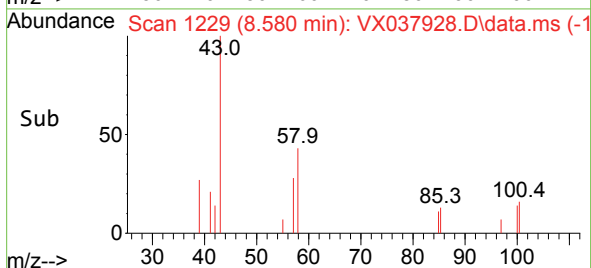
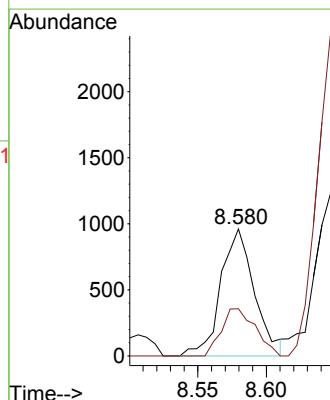
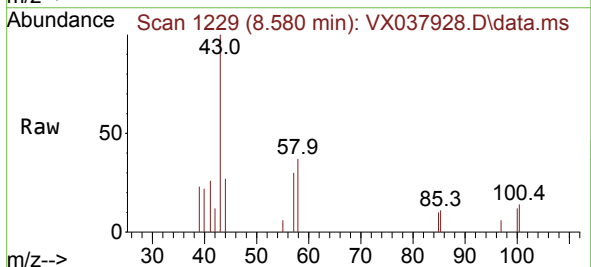
Acq: 27 Sep 2023 16:49

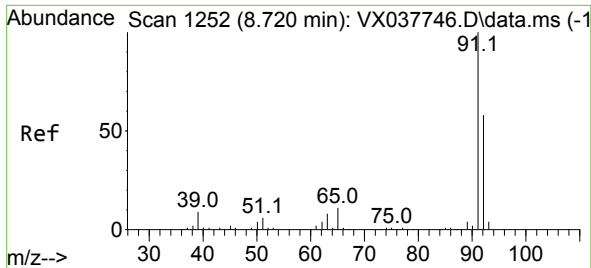
Tgt Ion: 43 Resp: 1646

Ion Ratio Lower Upper

43 100

58 37.5 30.4 45.6

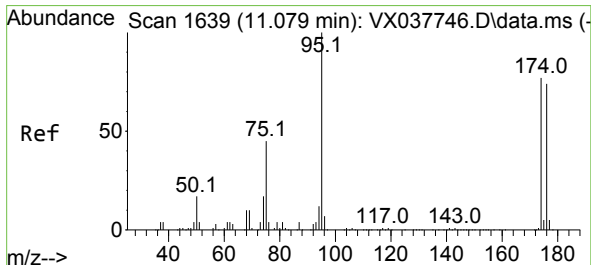
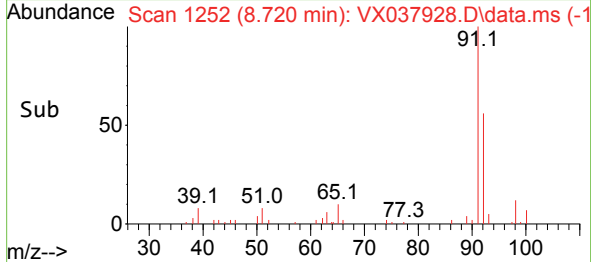
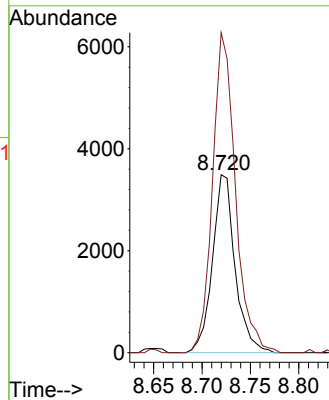
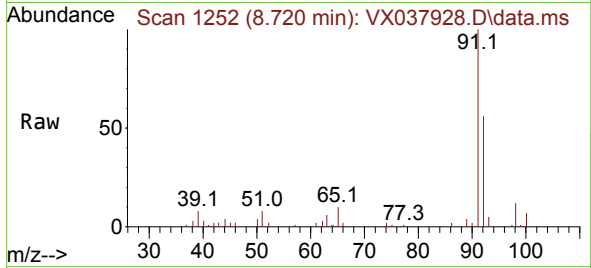




#52
Toluene
Concen: 0.764 ug/l
RT: 8.720 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX037928.D
Acq: 27 Sep 2023 16:49

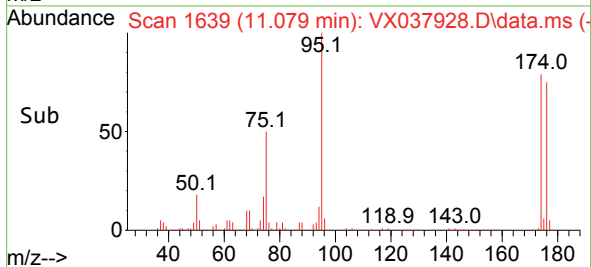
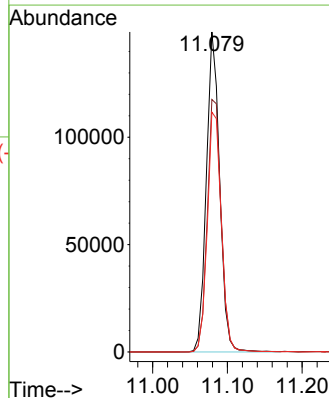
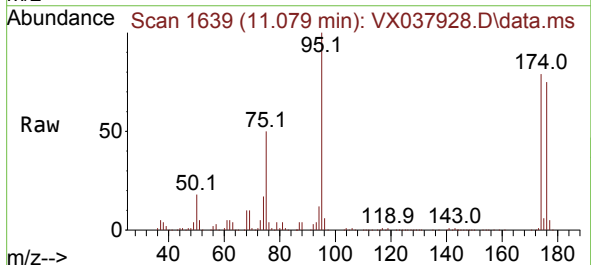
Instrument :
MSVOA_X
ClientSampleId :
DD

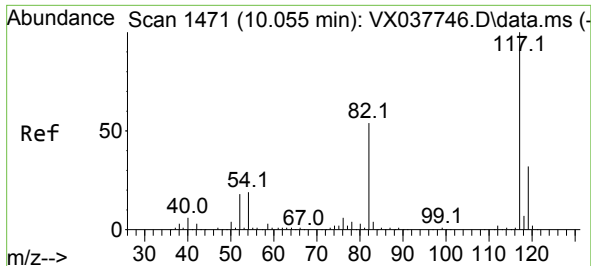
Tgt Ion: 92 Resp: 5680
Ion Ratio Lower Upper
92 100
91 182.0 134.2 201.2



#62
4-Bromofluorobenzene
Concen: 50.014 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX037928.D
Acq: 27 Sep 2023 16:49

Tgt Ion: 95 Resp: 183836
Ion Ratio Lower Upper
95 100
174 83.0 0.0 135.6
176 79.2 0.0 131.0

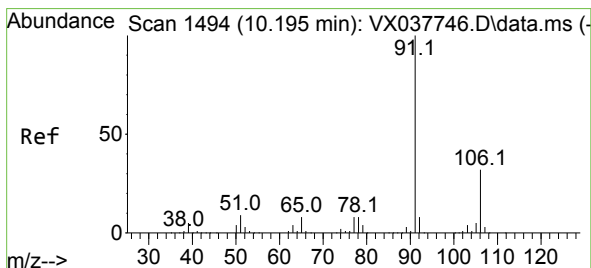
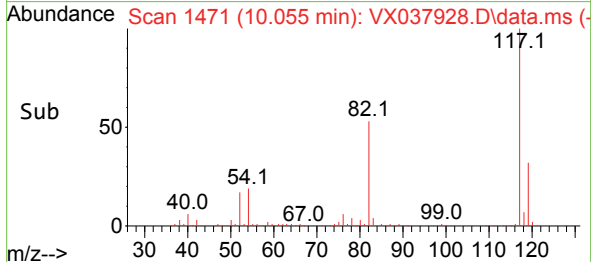
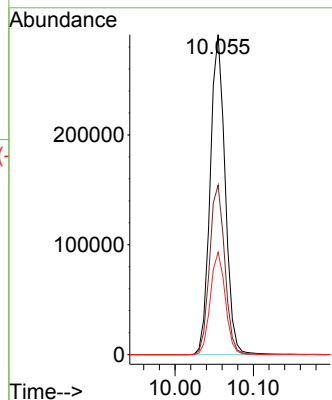
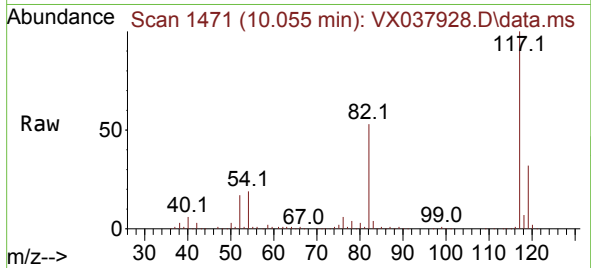




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX037928.D
Acq: 27 Sep 2023 16:49

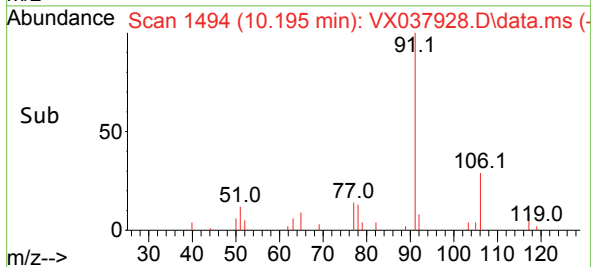
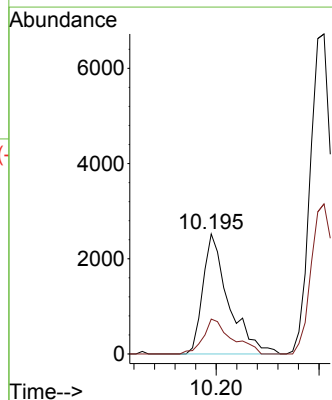
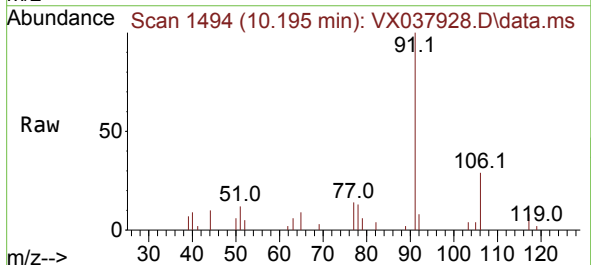
Instrument :
MSVOA_X
ClientSampleId :
DD

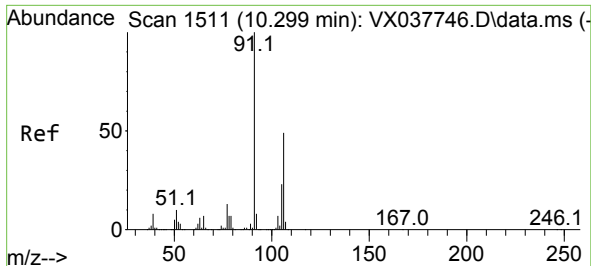
Tgt Ion:117 Resp: 385274
Ion Ratio Lower Upper
117 100
82 53.0 46.2 69.4
119 32.0 25.5 38.3



#67
Ethyl Benzene
Concen: 0.304 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. -0.000 min
Lab File: VX037928.D
Acq: 27 Sep 2023 16:49

Tgt Ion: 91 Resp: 4386
Ion Ratio Lower Upper
91 100
106 29.0 24.9 37.3

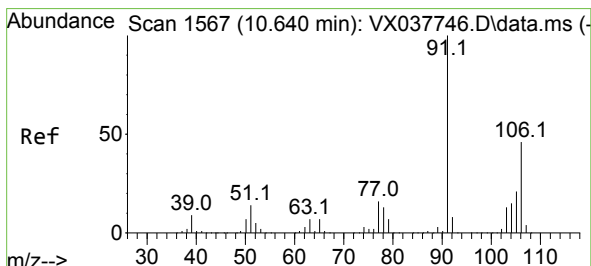
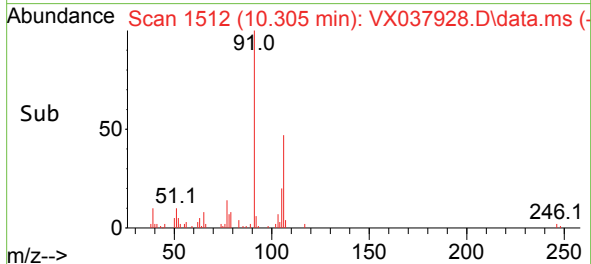
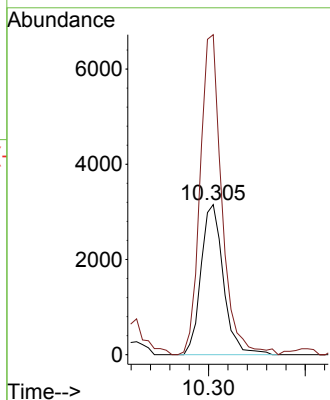
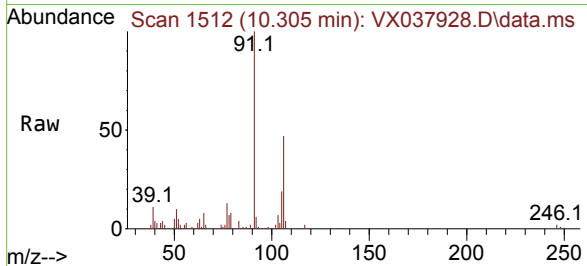




#68
m/p-Xylenes
Concen: 0.910 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. -0.000 min
Lab File: VX037928.D
Acq: 27 Sep 2023 16:49

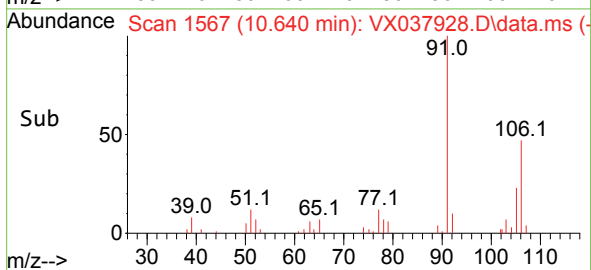
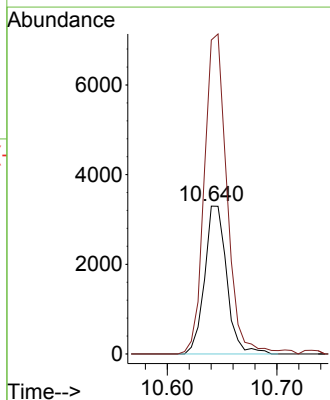
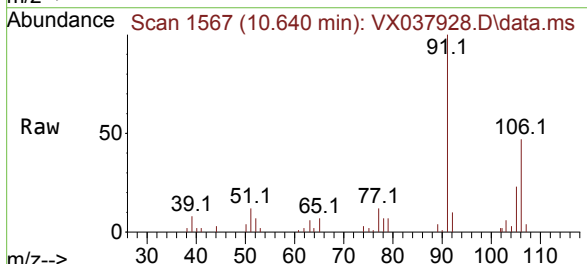
Instrument :
MSVOA_X
ClientSampleId :
DD

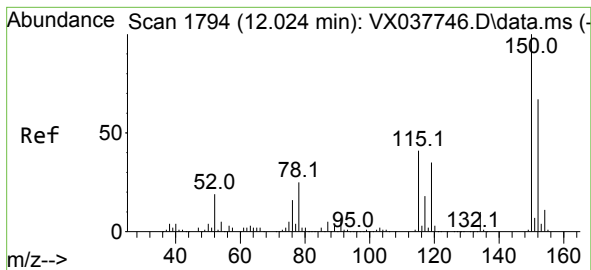
Tgt Ion:106 Resp: 5065
Ion Ratio Lower Upper
106 100
91 206.8 165.5 248.3



#69
o-Xylene
Concen: 0.828 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.006 min
Lab File: VX037928.D
Acq: 27 Sep 2023 16:49

Tgt Ion:106 Resp: 4620
Ion Ratio Lower Upper
106 100
91 222.1 108.9 326.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX037928.D

Acq: 27 Sep 2023 16:49

Instrument :

MSVOA_X

ClientSampleId :

DD

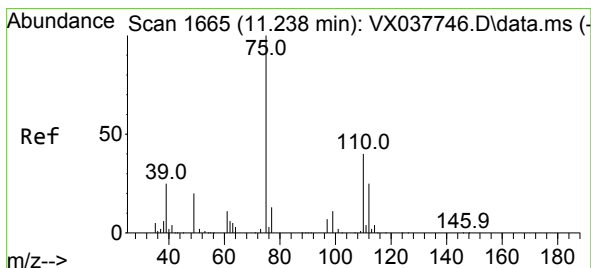
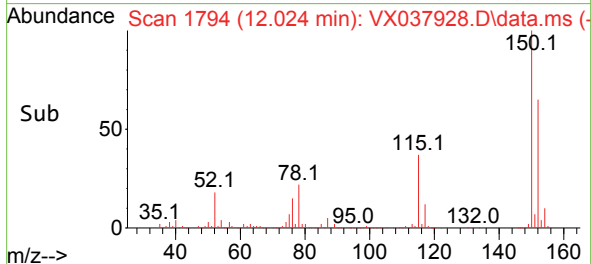
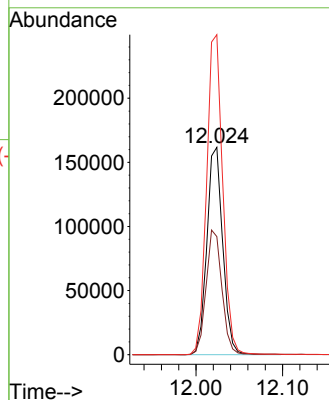
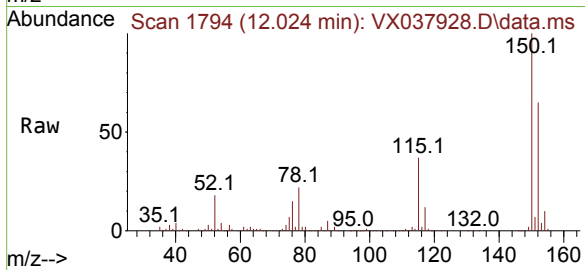
Tgt Ion:152 Resp: 205964

Ion Ratio Lower Upper

152 100

115 59.8 43.3 129.9

150 156.3 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 19.713 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX037928.D

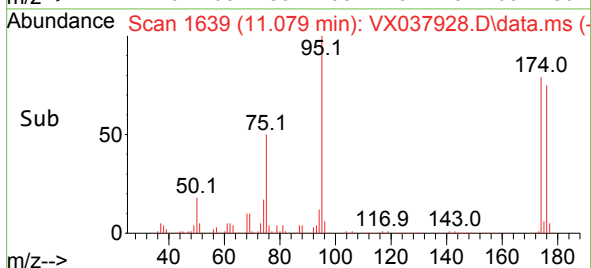
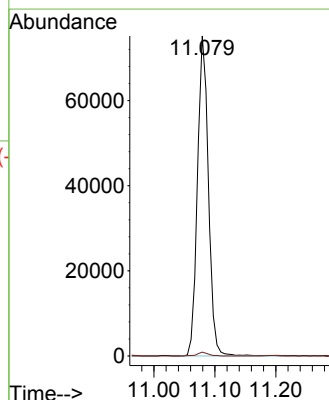
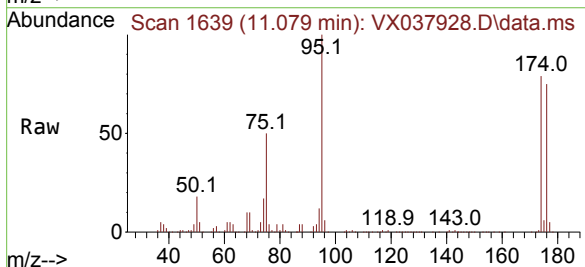
Acq: 27 Sep 2023 16:49

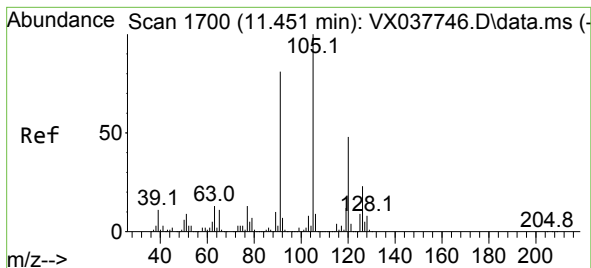
Tgt Ion: 75 Resp: 93908

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#





#80

1,3,5-Trimethylbenzene

Concen: 0.323 ug/l

RT: 11.451 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX037928.D

Acq: 27 Sep 2023 16:49

Instrument :

MSVOA_X

ClientSampleId :

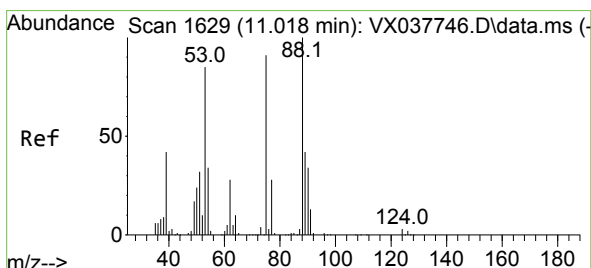
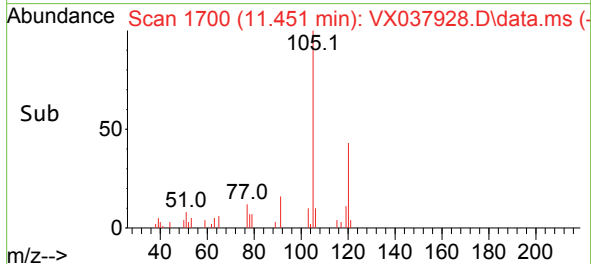
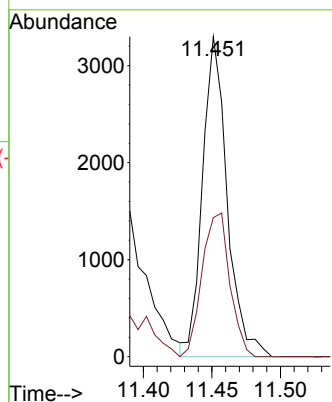
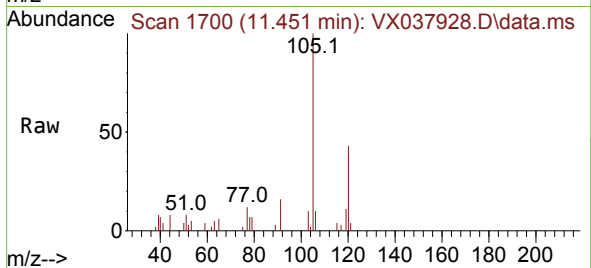
DD

Tgt Ion:105 Resp: 4126

Ion Ratio Lower Upper

105 100

120 50.5 24.1 72.3



#81

trans-1,4-Dichloro-2-butene

Concen: 63.148 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX037928.D

Acq: 27 Sep 2023 16:49

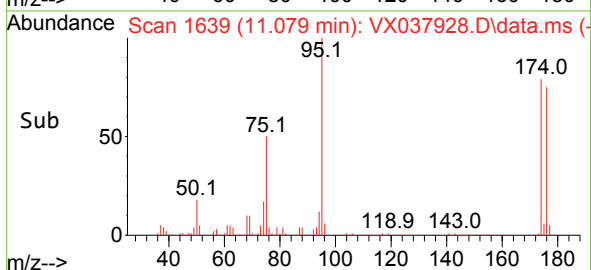
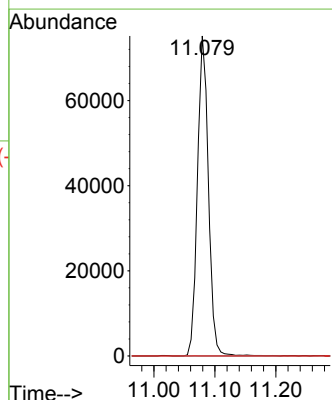
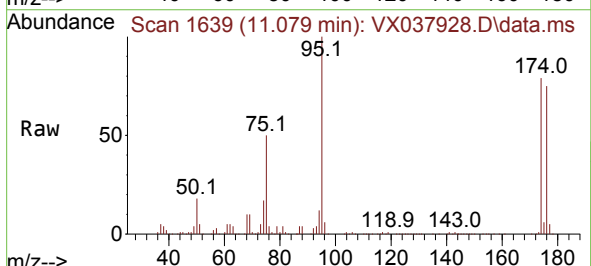
Tgt Ion: 75 Resp: 93908

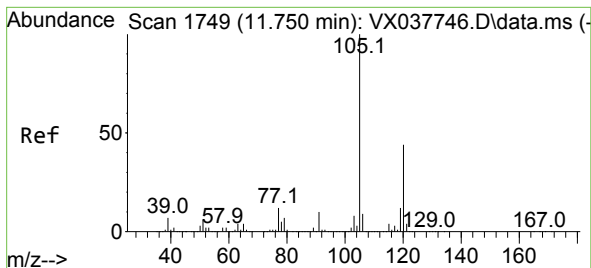
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#





#84

1,2,4-Trimethylbenzene

Concen: 0.530 ug/l

RT: 11.756 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX037928.D

Acq: 27 Sep 2023 16:49

Instrument :

MSVOA_X

ClientSampleId :

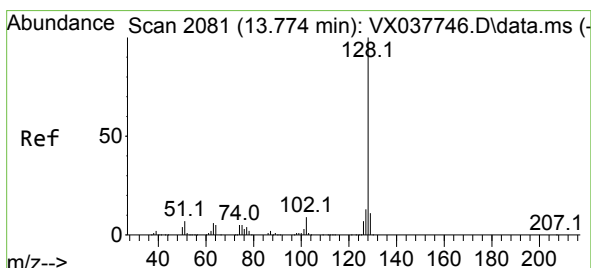
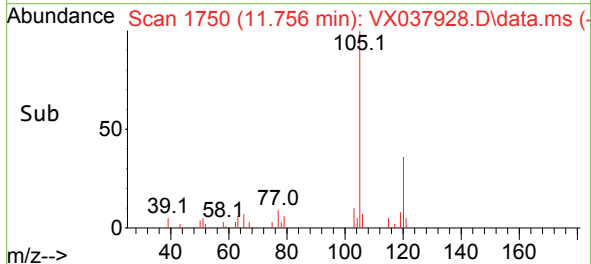
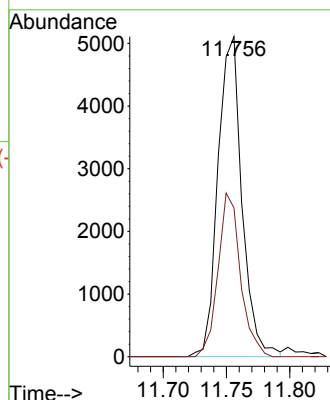
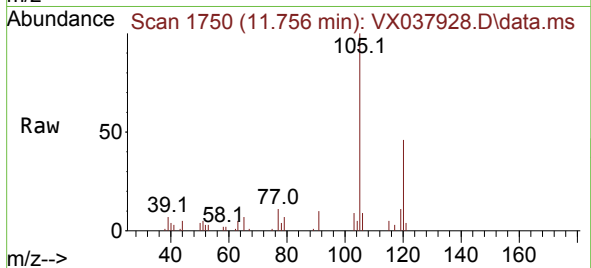
DD

Tgt Ion:105 Resp: 6733

Ion Ratio Lower Upper

105 100

120 47.8 21.2 63.6



#95

Naphthalene

Concen: 1.103 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. -0.000 min

Lab File: VX037928.D

Acq: 27 Sep 2023 16:49

Tgt Ion:128 Resp: 15645

Ion Ratio Lower Upper

128 100

127 11.9 10.3 15.5

129 11.7 8.8 13.2

