

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122623\
 Data File : VX039469.D
 Acq On : 26 Dec 2023 15:50
 Operator : JC/MD
 Sample : 06019-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 27 04:39:33 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121323W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 14 01:28:15 2023
 Response via : Initial Calibration

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

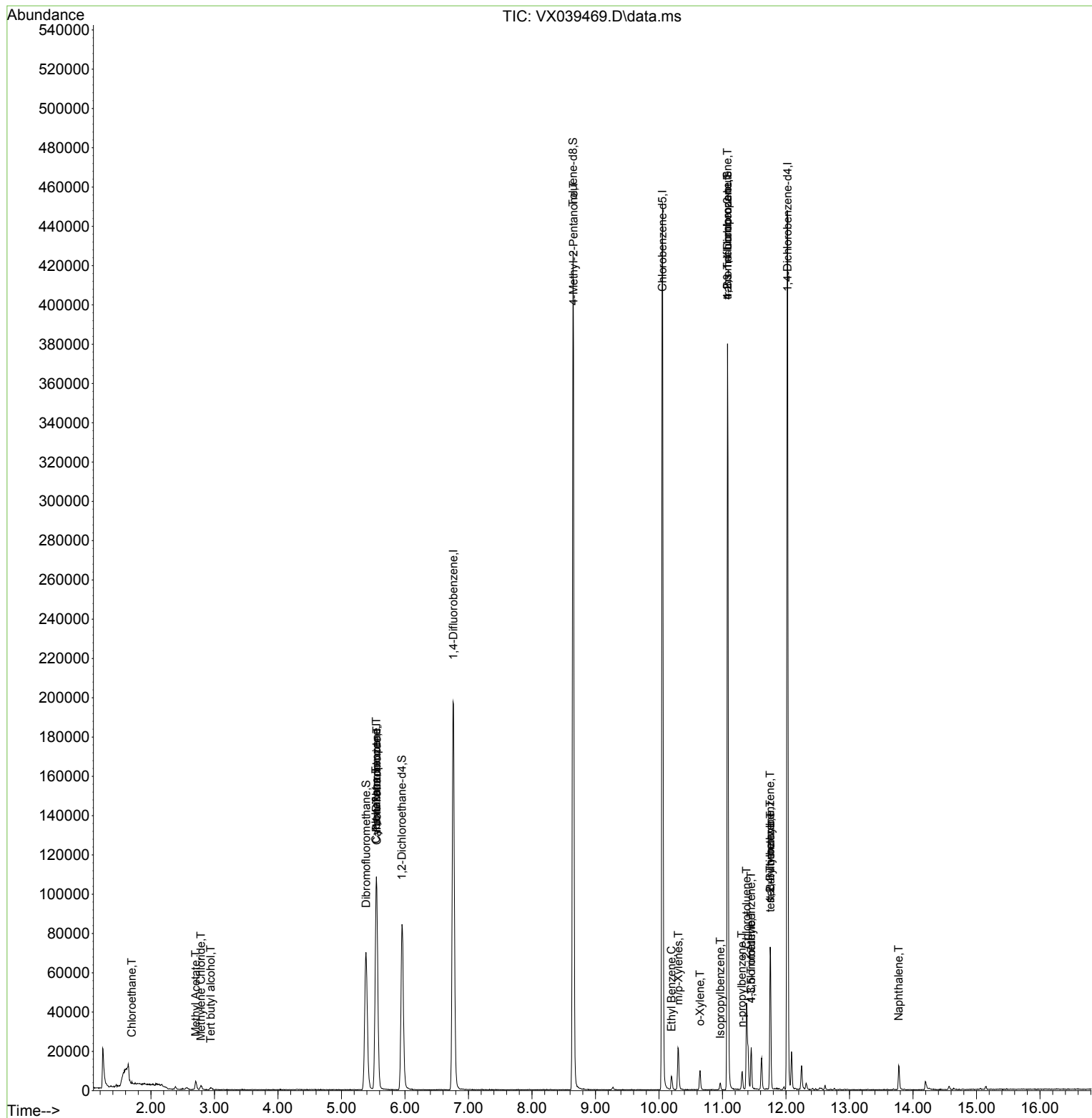
Internal Standards						
1) Pentafluorobenzene	5.550	168	93004	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	191696	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	194308	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	87669	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	83726	49.142	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	98.280%		
35) Dibromofluoromethane	5.385	113	62500	47.194	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.380%		
50) Toluene-d8	8.647	98	245066	49.845	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.680%		
62) 4-Bromofluorobenzene	11.079	95	105374	51.945	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	103.880%		
Target Compounds						Qvalue
6) Chloroethane	1.697	64	195	0.240	ug/l #	43
11) Tert butyl alcohol	2.941	59	757	1.769	ug/l #	78
16) Acetone	2.386	43	1523	Below Cal	#	88
18) Methyl Acetate	2.703	43	5177	1.405	ug/l	98
20) Methylene Chloride	2.788	84	970	0.683	ug/l #	87
31) Cyclohexane	5.544	56	2870	1.304	ug/l #	23
36) 1,1-Dichloropropene	5.550	75	9236	4.419	ug/l #	51
38) Carbon Tetrachloride	5.556	117	10634	5.332	ug/l #	15
51) 4-Methyl-2-Pentanone	8.653	43	1300	0.486	ug/l #	1
67) Ethyl Benzene	10.195	91	4802	0.608	ug/l	98
68) m/p-Xylenes	10.305	106	5559	1.964	ug/l	97
69) o-Xylene	10.647	106	2041	0.746	ug/l	80
73) Isopropylbenzene	10.964	105	2049	0.303	ug/l	91
76) 1,2,3-Trichloropropane	11.079	75	57362	25.290	ug/l #	39
78) n-propylbenzene	11.305	91	5901	0.708	ug/l	97
79) 2-Chlorotoluene	11.378	91	4220	0.837	ug/l #	42
80) 1,3,5-Trimethylbenzene	11.451	105	8967	1.556	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.079	75	57362	71.344	ug/l #	5
82) 4-Chlorotoluene	11.451	91	1481	0.250	ug/l #	46
83) tert-Butylbenzene	11.756	119	3599	0.656	ug/l #	42
84) 1,2,4-Trimethylbenzene	11.750	105	32655	5.526	ug/l	96
85) sec-Butylbenzene	11.750	105	32655	4.680	ug/l #	57
95) Naphthalene	13.774	128	8305	1.295	ug/l	98

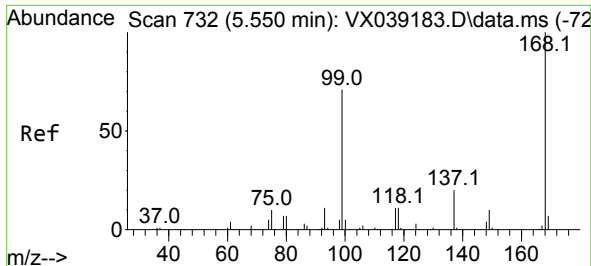
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121323W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 14 01:28:15 2023
Response via : Initial Calibration





#1
Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.000 min

Lab File: VX039469.D

Acq: 26 Dec 2023 15:50

Instrument :

MSVOA_X

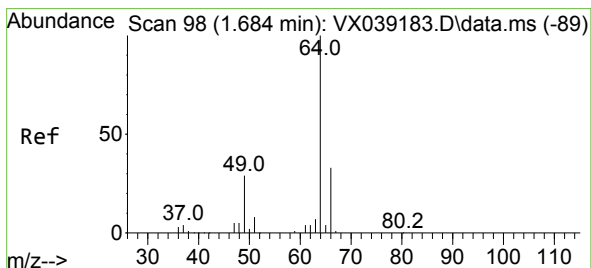
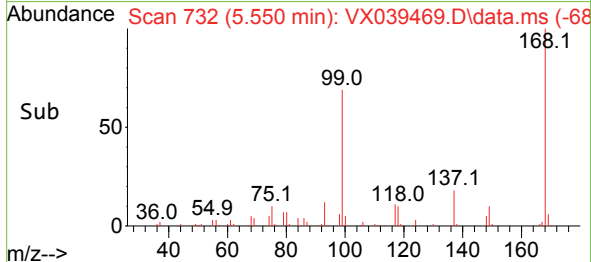
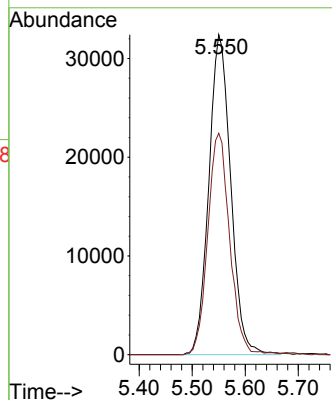
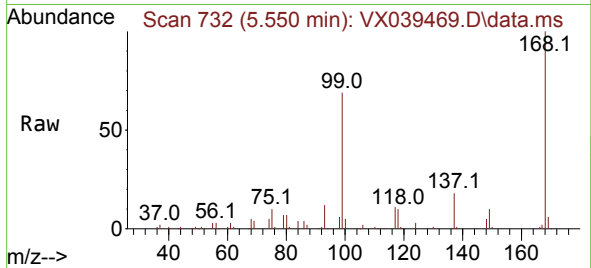
ClientSampleId :

Tgt Ion:168 Resp: 93004

Ion Ratio Lower Upper

168 100

99 69.2 56.6 85.0



#6

Chloroethane

Concen: 0.240 ug/l

RT: 1.697 min Scan# 100

Delta R.T. 0.013 min

Lab File: VX039469.D

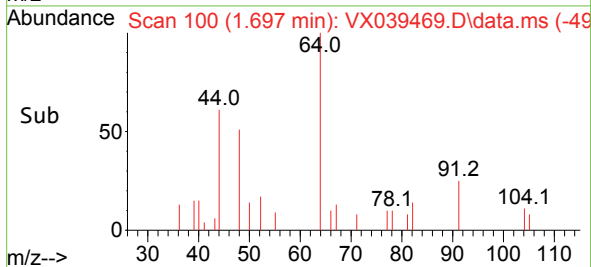
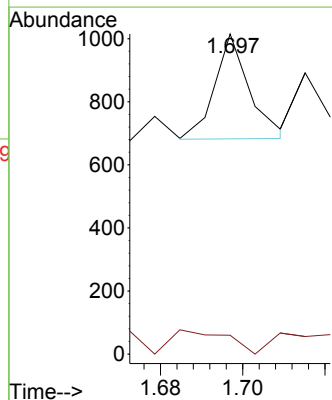
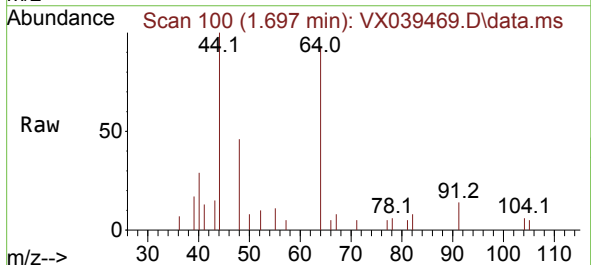
Acq: 26 Dec 2023 15:50

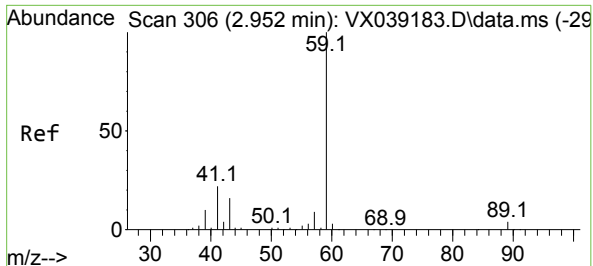
Tgt Ion: 64 Resp: 195

Ion Ratio Lower Upper

64 100

66 0.0 25.1 37.7#





#11

Tert butyl alcohol

Concen: 1.769 ug/l

RT: 2.941 min Scan# 306

Delta R.T. -0.012 min

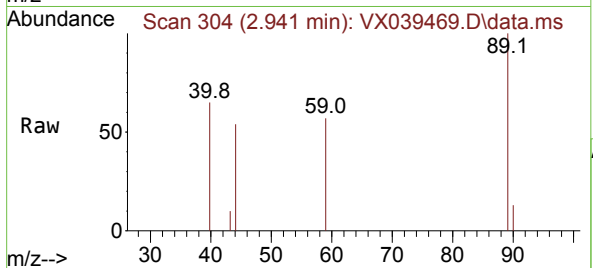
Lab File: VX039469.D

Acq: 26 Dec 2023 15:50

Instrument :

MSVOA_X

ClientSampleId :

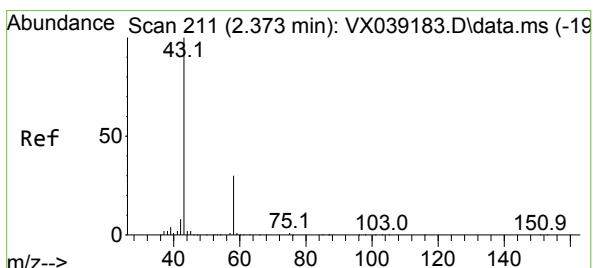
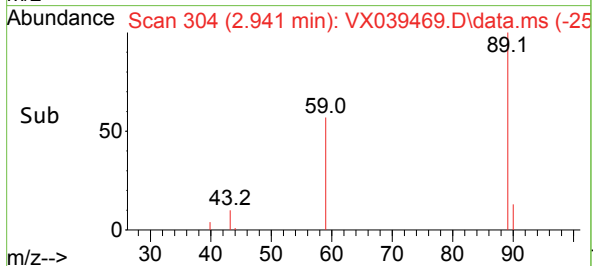
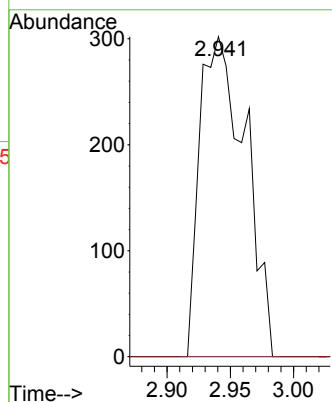


Tgt Ion: 59 Resp: 757

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#16

Acetone

Concen: Below Cal

RT: 2.386 min Scan# 213

Delta R.T. 0.013 min

Lab File: VX039469.D

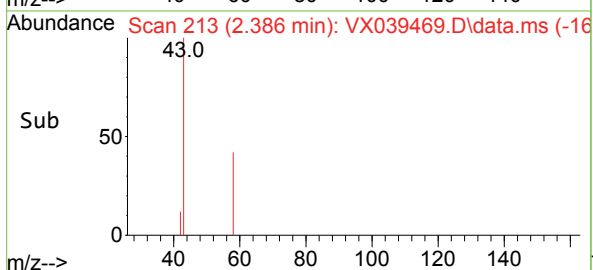
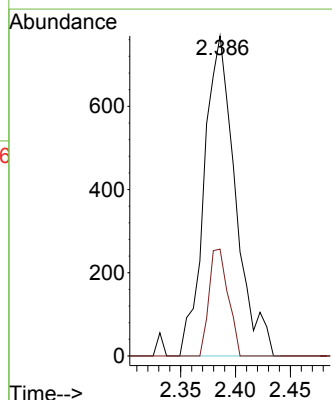
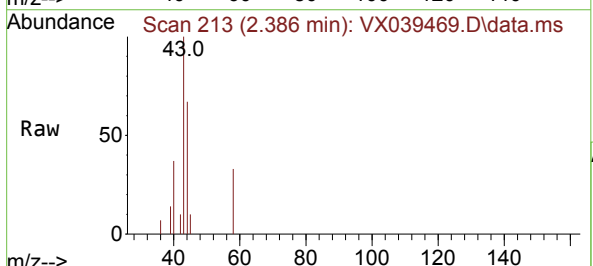
Acq: 26 Dec 2023 15:50

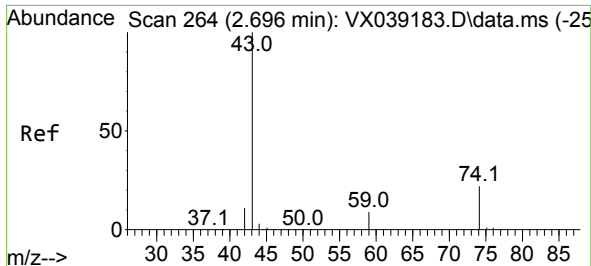
Tgt Ion: 43 Resp: 1523

Ion Ratio Lower Upper

43 100

58 33.4 21.9 32.9#





#18

Methyl Acetate

Concen: 1.405 ug/l

RT: 2.703 min Scan# 2

Delta R.T. 0.006 min

Lab File: VX039469.D

Acq: 26 Dec 2023 15:50

Instrument :

MSVOA_X

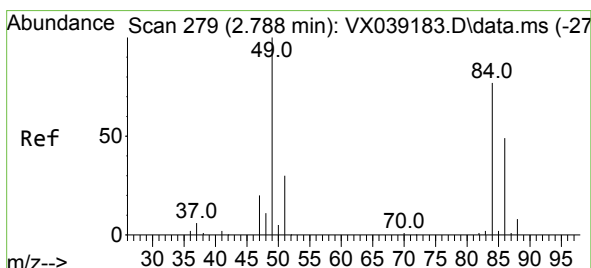
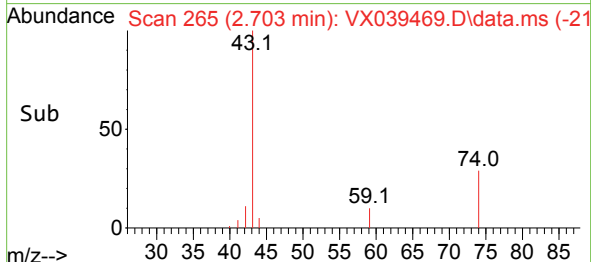
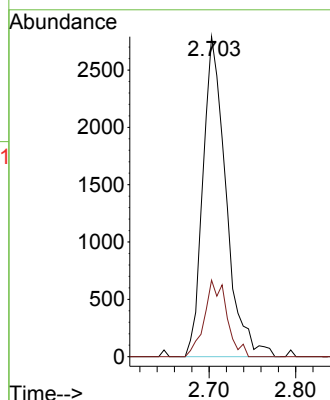
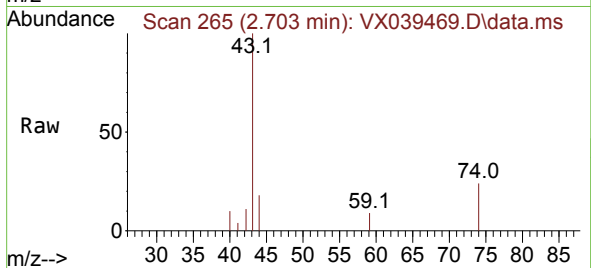
ClientSampleId :

Tgt Ion: 43 Resp: 5177

Ion Ratio Lower Upper

43 100

74 23.1 17.8 26.8



#20

Methylene Chloride

Concen: 0.683 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.000 min

Lab File: VX039469.D

Acq: 26 Dec 2023 15:50

Tgt Ion: 84 Resp: 970

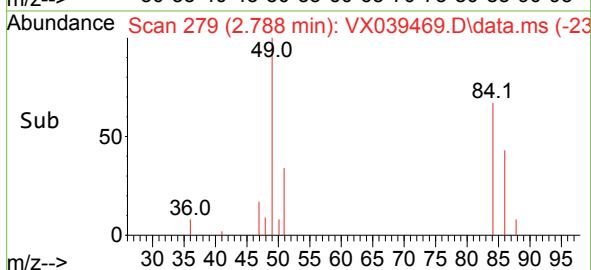
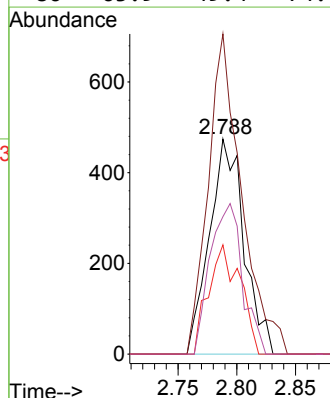
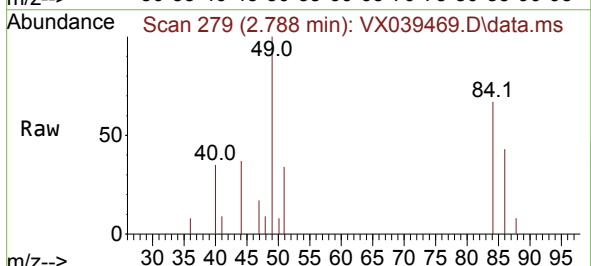
Ion Ratio Lower Upper

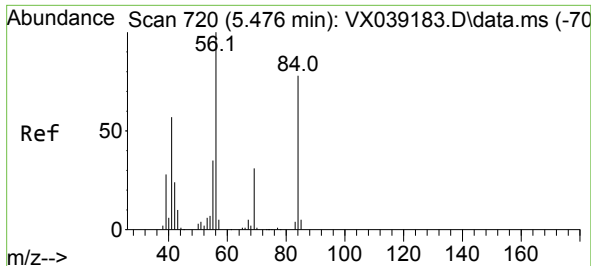
84 100

49 148.9 103.6 155.4

51 50.8 33.8 50.6#

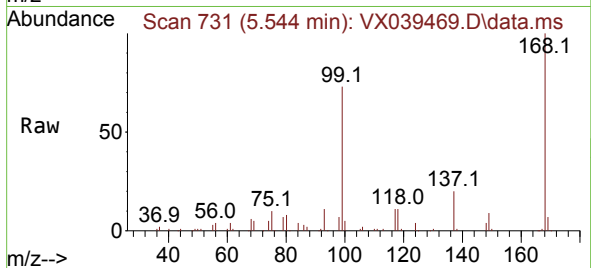
86 63.9 49.4 74.0



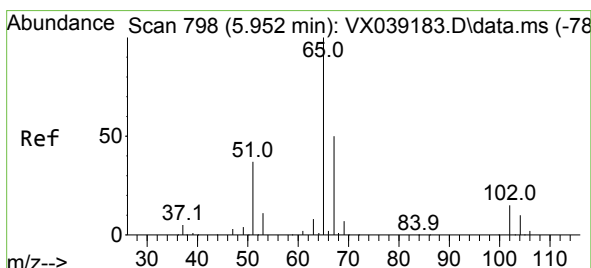
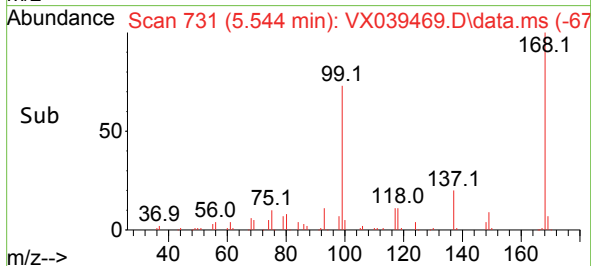
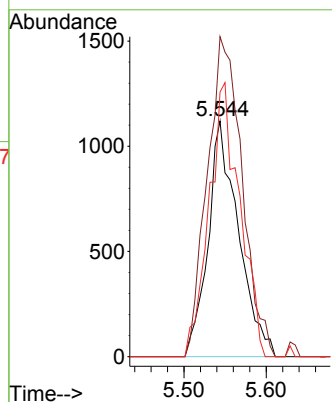


#31
Cyclohexane
Concen: 1.304 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.067 min
Lab File: VX039469.D
Acq: 26 Dec 2023 15:50

Instrument :
MSVOA_X
ClientSampleId :

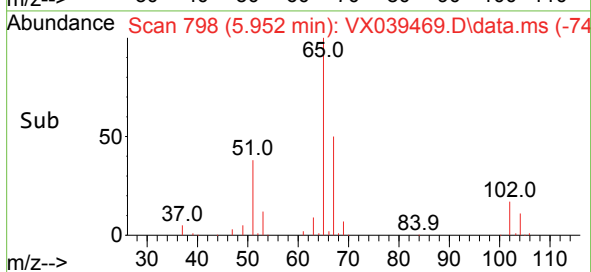
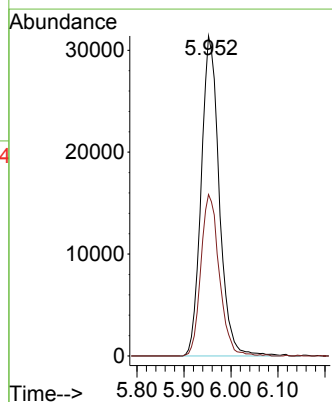
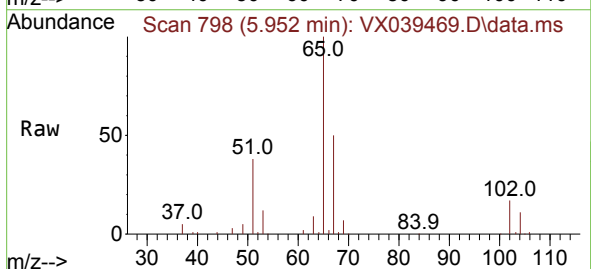


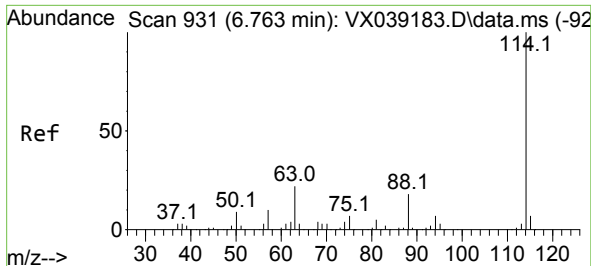
Tgt Ion: 56 Resp: 2870
Ion Ratio Lower Upper
56 100
69 135.8 23.4 35.2#
84 112.3 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 49.142 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX039469.D
Acq: 26 Dec 2023 15:50

Tgt Ion: 65 Resp: 83726
Ion Ratio Lower Upper
65 100
67 51.4 0.0 100.2

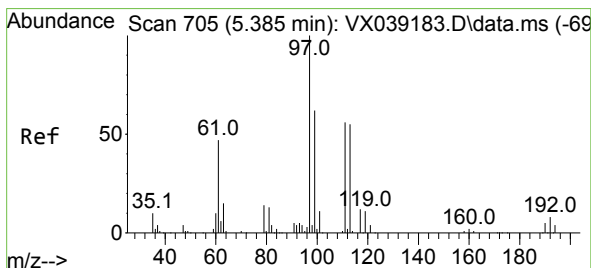
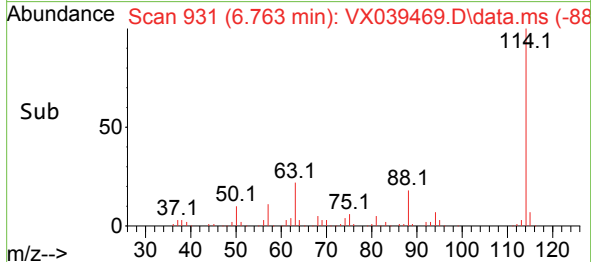
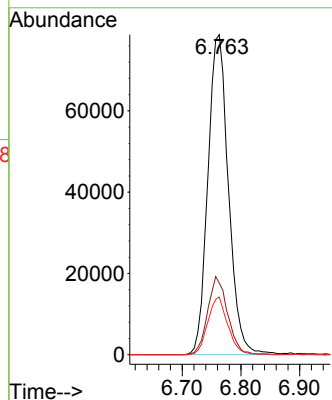
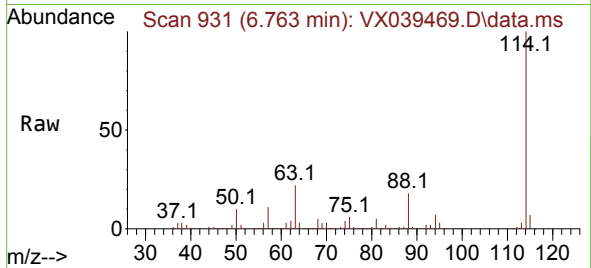




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX039469.D
Acq: 26 Dec 2023 15:50

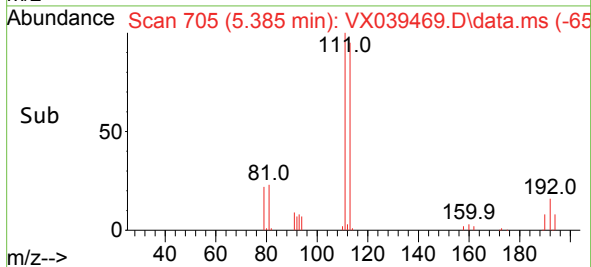
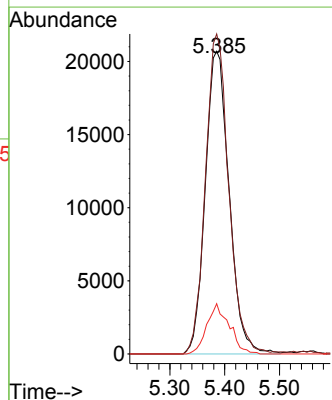
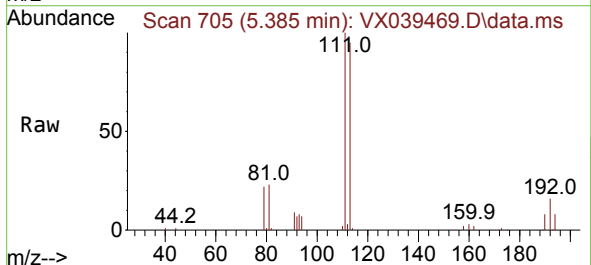
Instrument :
MSVOA_X
ClientSampleId :

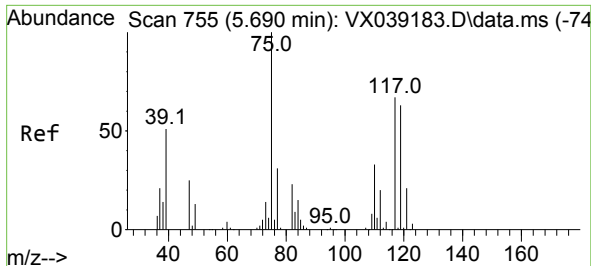
Tgt Ion:114 Resp: 191696
Ion Ratio Lower Upper
114 100
63 22.4 0.0 45.0
88 18.1 0.0 36.6



#35
Dibromofluoromethane
Concen: 47.194 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX039469.D
Acq: 26 Dec 2023 15:50

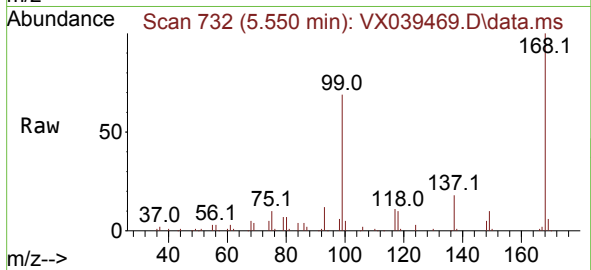
Tgt Ion:113 Resp: 62500
Ion Ratio Lower Upper
113 100
111 103.8 82.9 124.3
192 15.7 13.3 19.9



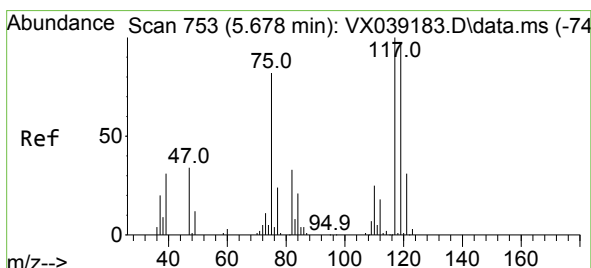
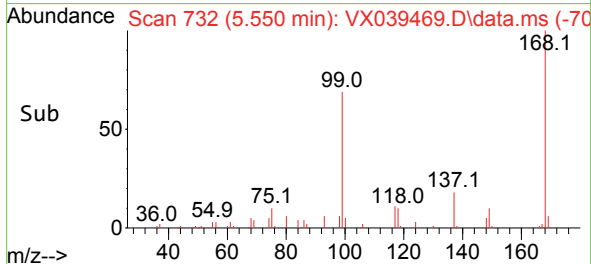
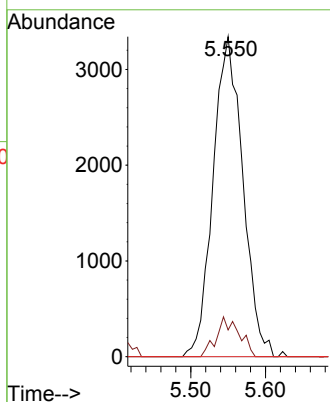


#36
1,1-Dichloropropene
Concen: 4.419 ug/l
RT: 5.550 min Scan# 713
Delta R.T. -0.140 min
Lab File: VX039469.D
Acq: 26 Dec 2023 15:50

Instrument :
MSVOA_X
ClientSampleId :

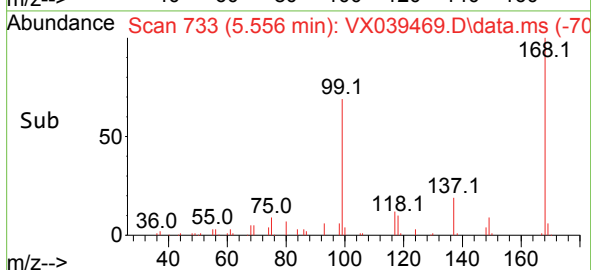
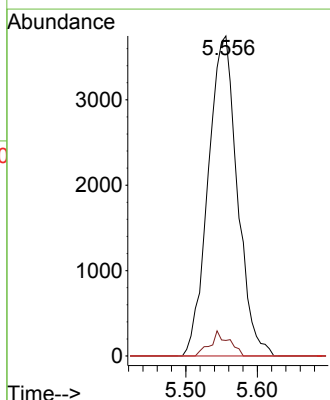
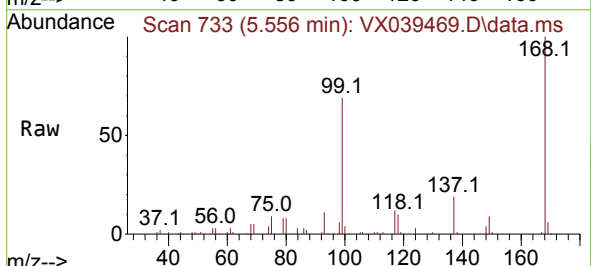


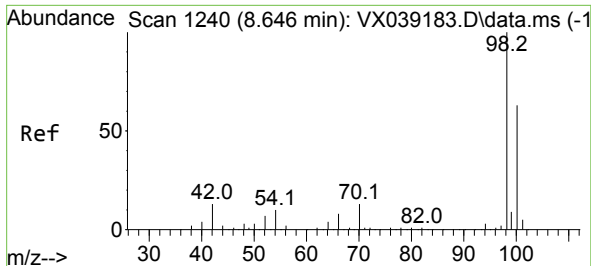
Tgt Ion: 75 Resp: 9236
Ion Ratio Lower Upper
75 100
110 9.5 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 5.332 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.122 min
Lab File: VX039469.D
Acq: 26 Dec 2023 15:50

Tgt Ion: 117 Resp: 10634
Ion Ratio Lower Upper
117 100
119 4.9 78.2 117.2#
121 0.0 24.4 36.6#

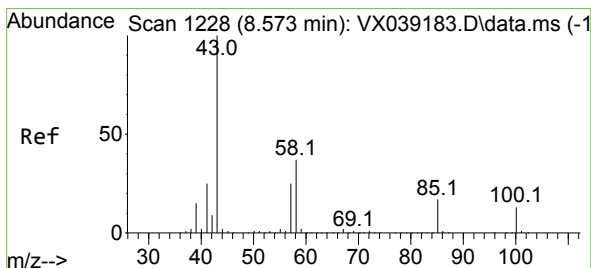
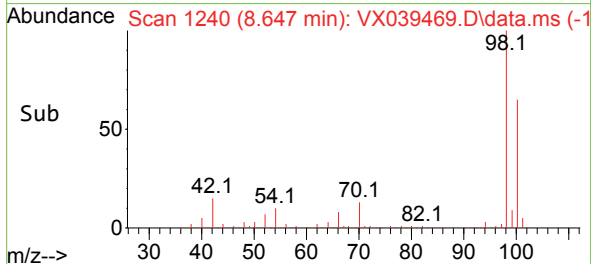
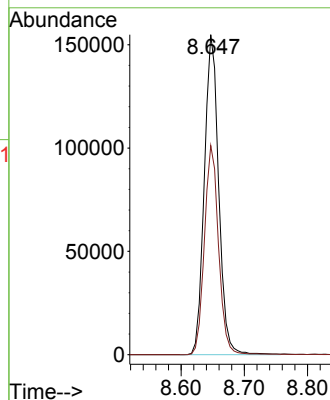
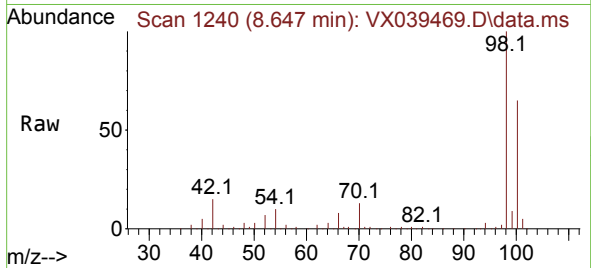




#50
Toluene-d8
Concen: 49.845 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX039469.D
Acq: 26 Dec 2023 15:50

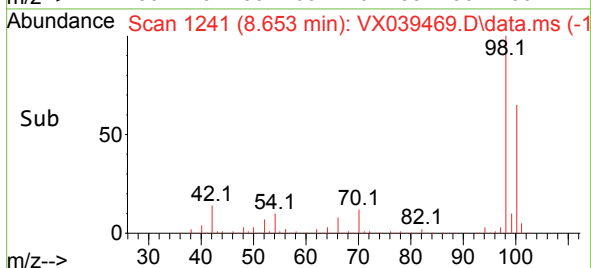
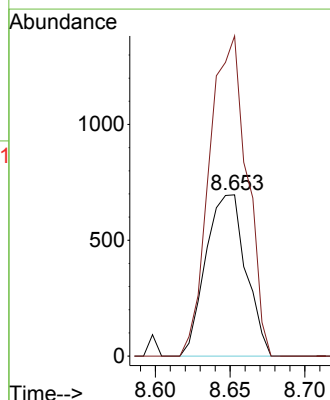
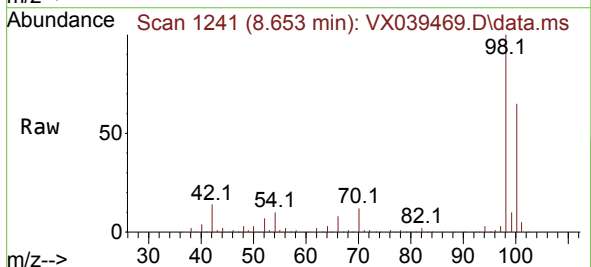
Instrument :
MSVOA_X
ClientSampleId :

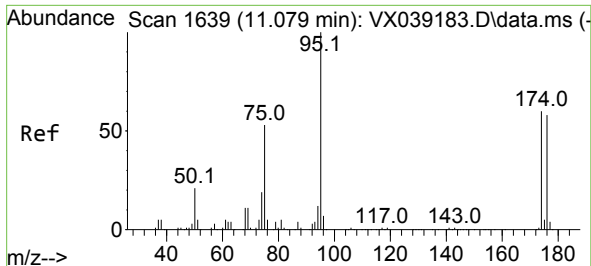
Tgt Ion: 98 Resp: 245066
Ion Ratio Lower Upper
98 100
100 64.4 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.486 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.080 min
Lab File: VX039469.D
Acq: 26 Dec 2023 15:50

Tgt Ion: 43 Resp: 1300
Ion Ratio Lower Upper
43 100
58 186.0 30.4 45.6#

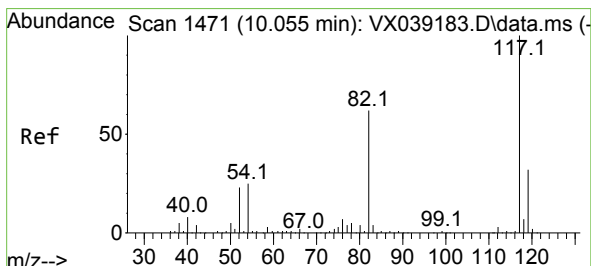
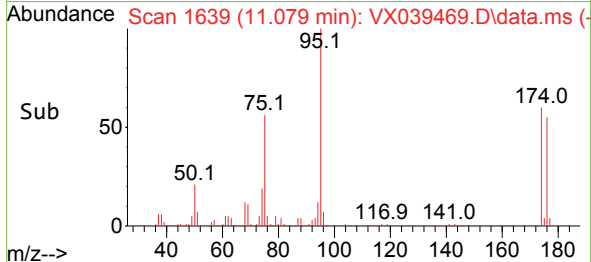
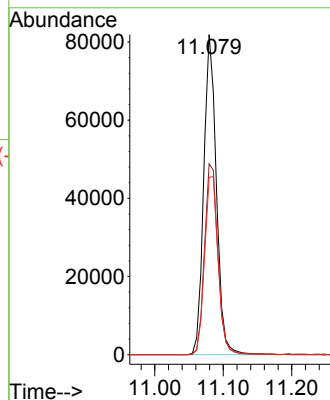
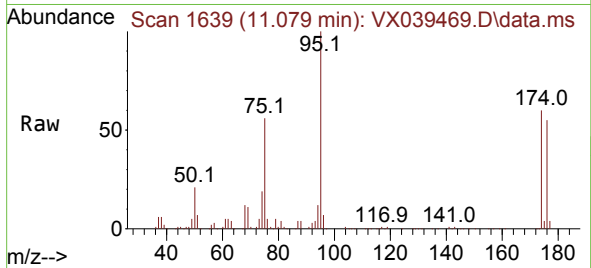




#62
4-Bromofluorobenzene
Concen: 51.945 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX039469.D
Acq: 26 Dec 2023 15:50

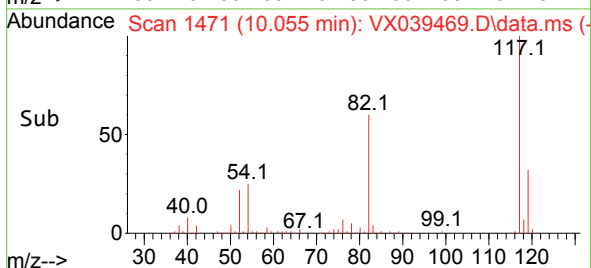
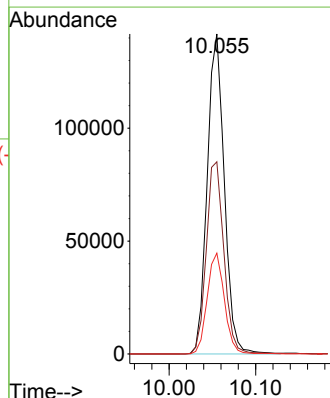
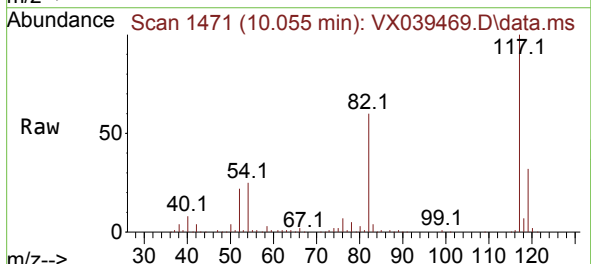
Instrument :
MSVOA_X
ClientSampleId :

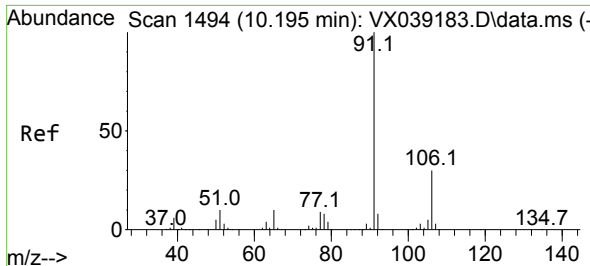
Tgt Ion: 95 Resp: 105374
Ion Ratio Lower Upper
95 100
174 63.1 0.0 135.6
176 59.8 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX039469.D
Acq: 26 Dec 2023 15:50

Tgt Ion: 117 Resp: 194308
Ion Ratio Lower Upper
117 100
82 60.1 46.2 69.4
119 31.5 25.5 38.3





#67

Ethyl Benzene

Concen: 0.608 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX039469.D

Acq: 26 Dec 2023 15:50

Instrument :

MSVOA_X

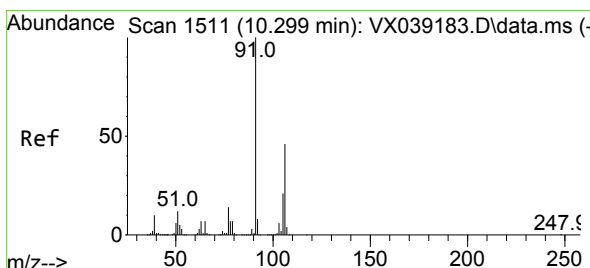
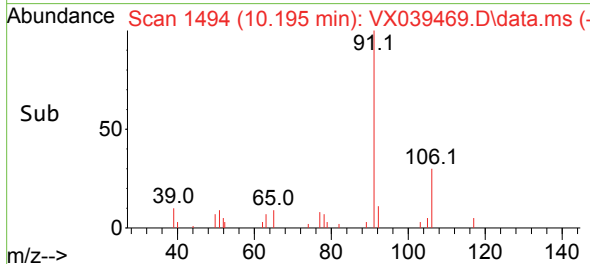
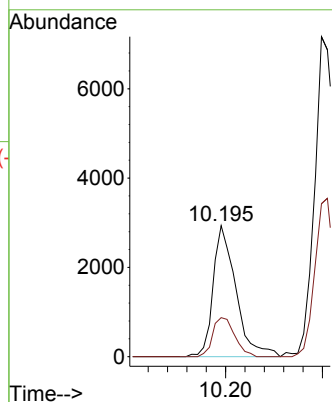
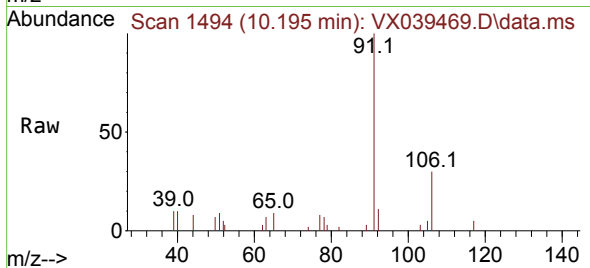
ClientSampleId :

Tgt Ion: 91 Resp: 4802

Ion Ratio Lower Upper

91 100

106 29.8 24.9 37.3



#68

m/p-Xylenes

Concen: 1.964 ug/l

RT: 10.305 min Scan# 1512

Delta R.T. 0.006 min

Lab File: VX039469.D

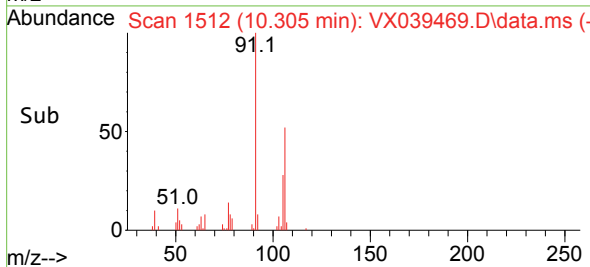
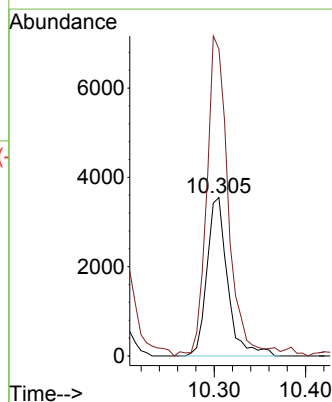
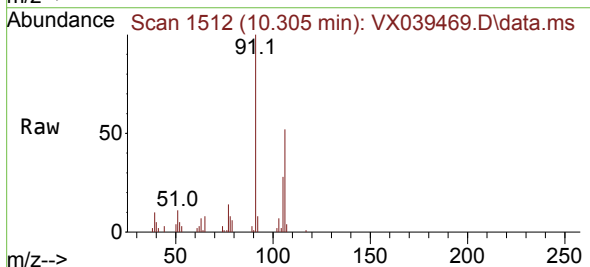
Acq: 26 Dec 2023 15:50

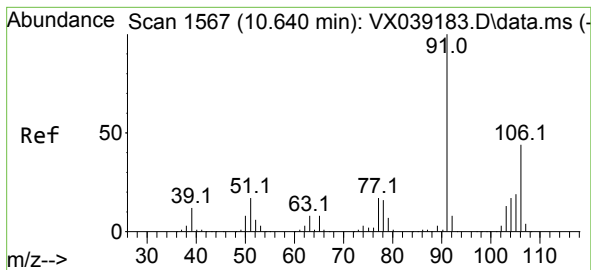
Tgt Ion: 106 Resp: 5559

Ion Ratio Lower Upper

106 100

91 211.3 165.5 248.3





#69

o-Xylene

Concen: 0.746 ug/l

RT: 10.647 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX039469.D

Acq: 26 Dec 2023 15:50

Instrument :

MSVOA_X

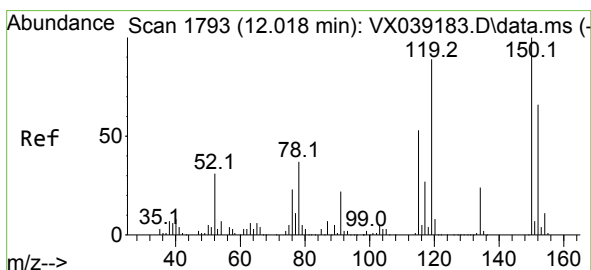
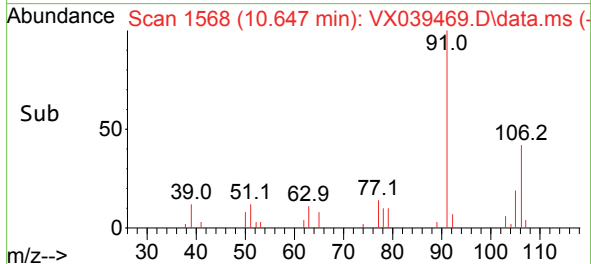
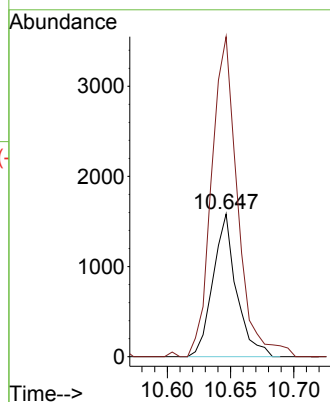
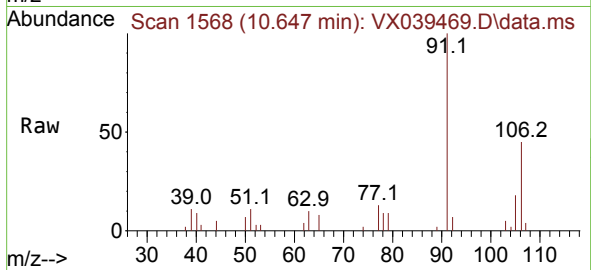
ClientSampleId :

Tgt Ion:106 Resp: 2041

Ion Ratio Lower Upper

106 100

91 249.6 108.9 326.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.006 min

Lab File: VX039469.D

Acq: 26 Dec 2023 15:50

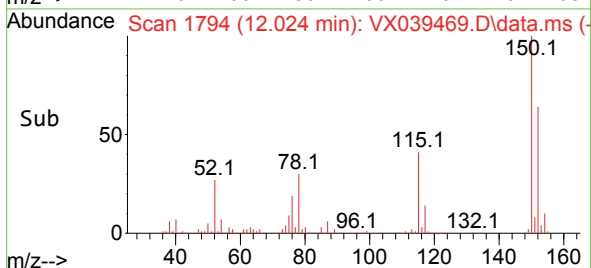
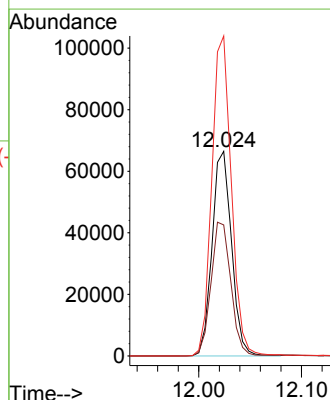
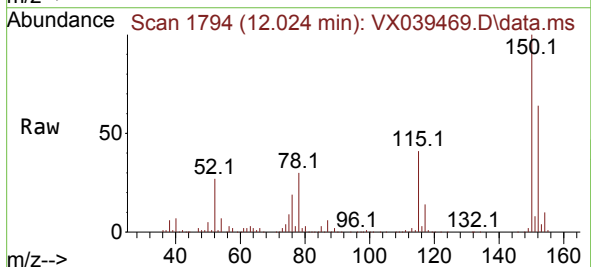
Tgt Ion:152 Resp: 87669

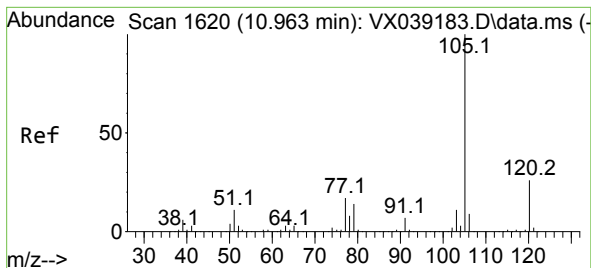
Ion Ratio Lower Upper

152 100

115 66.7 43.3 129.9

150 157.1 0.0 345.0





#73

Isopropylbenzene

Concen: 0.303 ug/l

RT: 10.964 min Scan# 1620

Delta R.T. 0.000 min

Lab File: VX039469.D

Acq: 26 Dec 2023 15:50

Instrument :

MSVOA_X

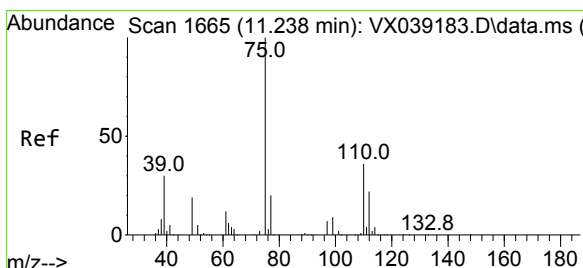
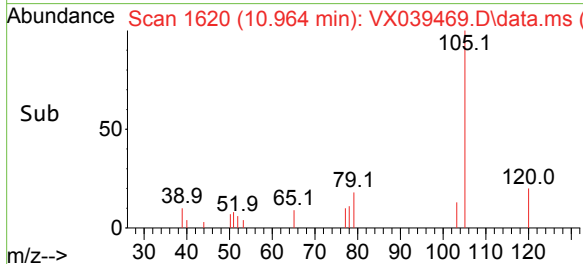
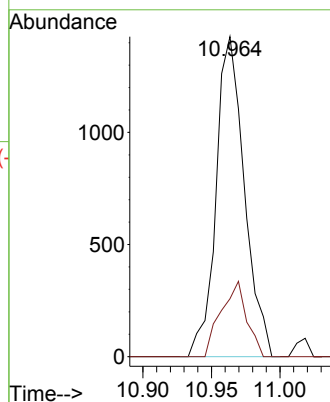
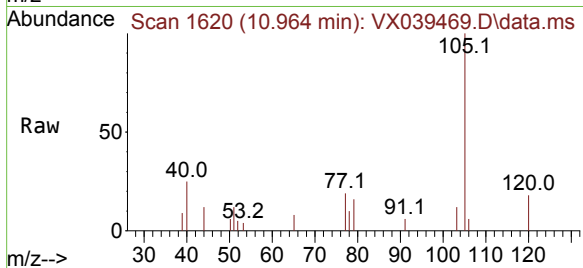
ClientSampleId :

Tgt Ion:105 Resp: 2049

Ion Ratio Lower Upper

105 100

120 21.3 12.9 38.6



#76

1,2,3-Trichloropropane

Concen: 25.290 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX039469.D

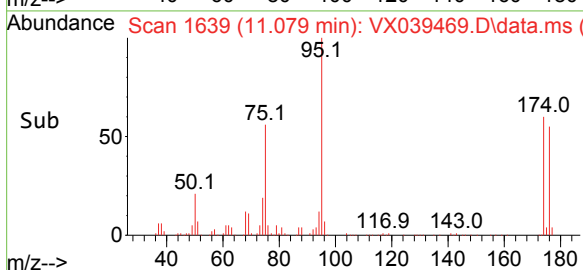
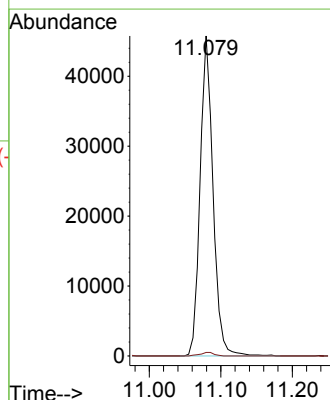
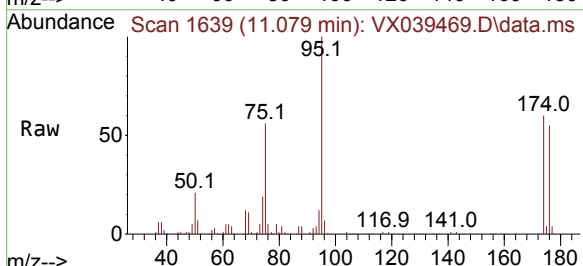
Acq: 26 Dec 2023 15:50

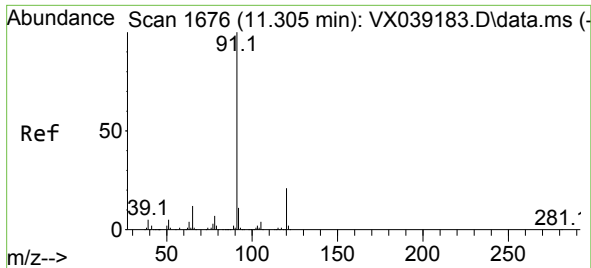
Tgt Ion: 75 Resp: 57362

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#

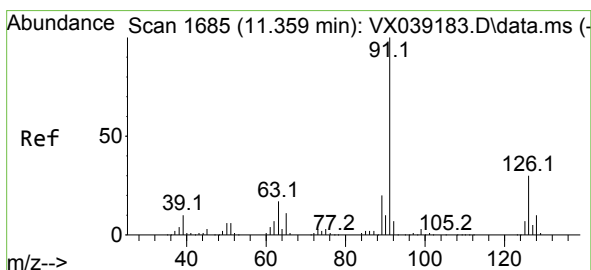
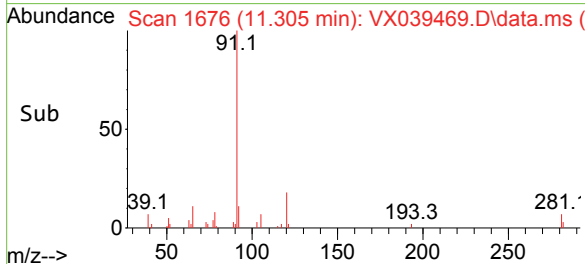
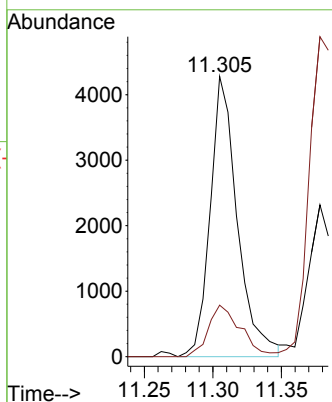
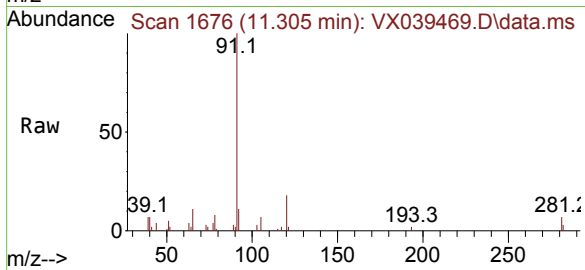




#78
n-propylbenzene
Concen: 0.708 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX039469.D
Acq: 26 Dec 2023 15:50

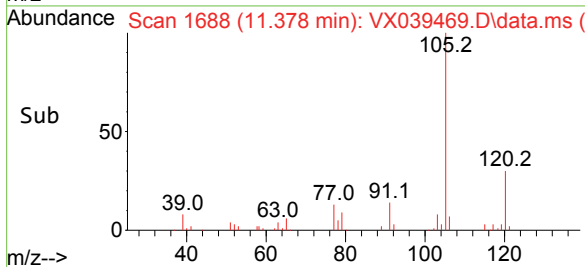
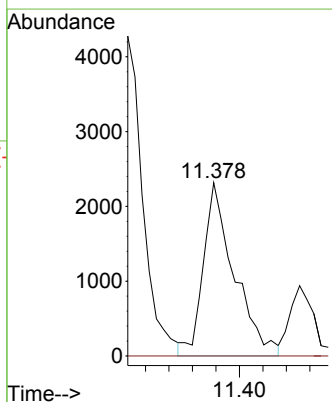
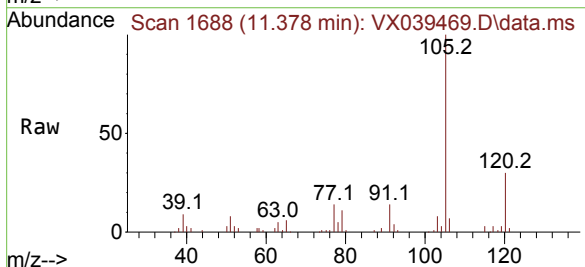
Instrument :
MSVOA_X
ClientSampleId :

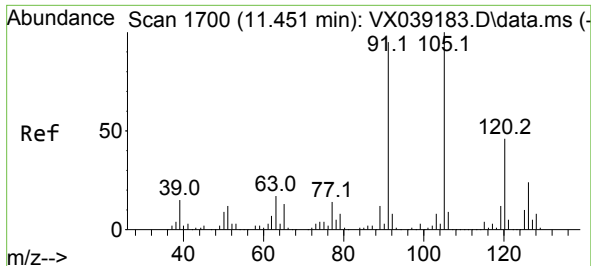
Tgt Ion: 91 Resp: 5901
Ion Ratio Lower Upper
91 100
120 21.7 11.5 34.4



#79
2-Chlorotoluene
Concen: 0.837 ug/l
RT: 11.378 min Scan# 1688
Delta R.T. 0.019 min
Lab File: VX039469.D
Acq: 26 Dec 2023 15:50

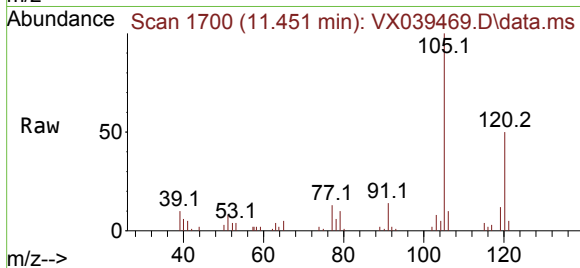
Tgt Ion: 91 Resp: 4220
Ion Ratio Lower Upper
91 100
126 0.0 16.3 48.8#



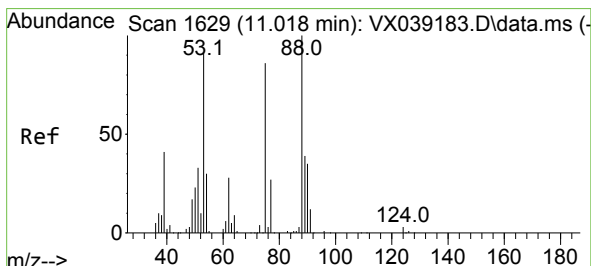
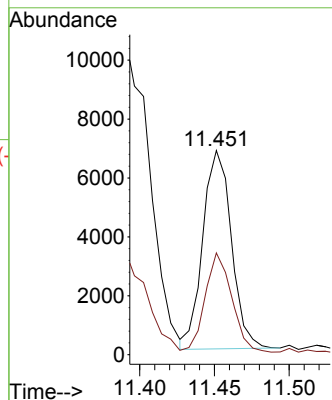
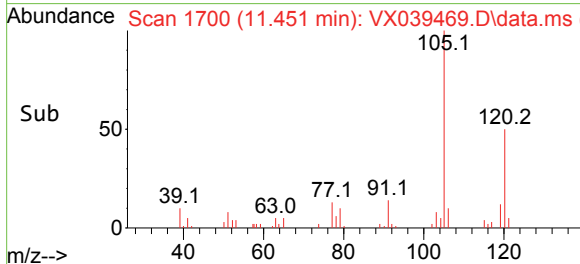


#80
1,3,5-Trimethylbenzene
Concen: 1.556 ug/l
RT: 11.451 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX039469.D
Acq: 26 Dec 2023 15:50

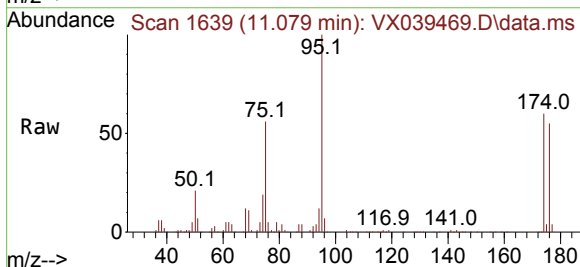
Instrument :
MSVOA_X
ClientSampleId :



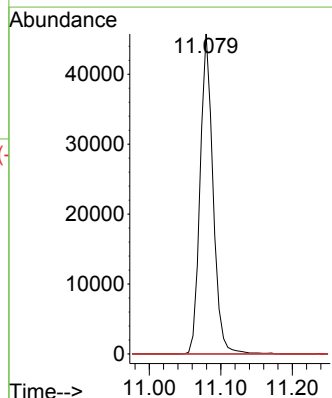
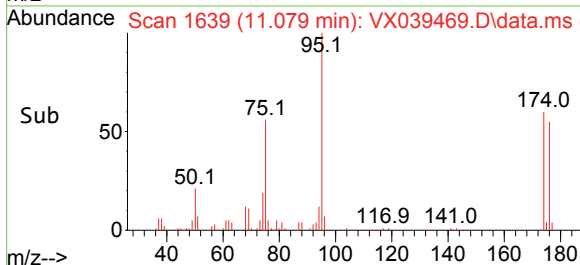
Tgt Ion:105 Resp: 8967
Ion Ratio Lower Upper
105 100
120 50.0 24.1 72.3

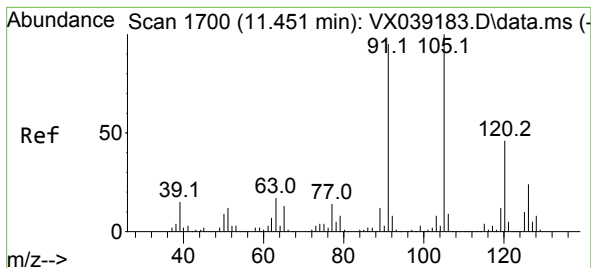


#81
trans-1,4-Dichloro-2-butene
Concen: 71.344 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX039469.D
Acq: 26 Dec 2023 15:50



Tgt Ion: 75 Resp: 57362
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#

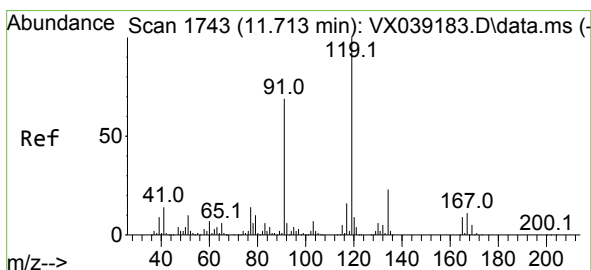
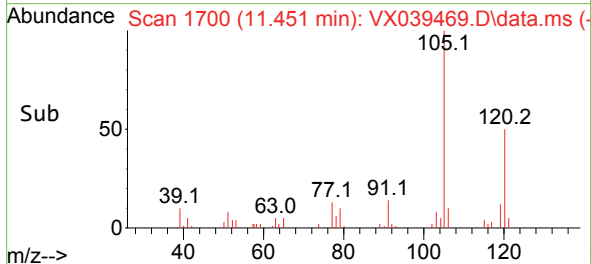
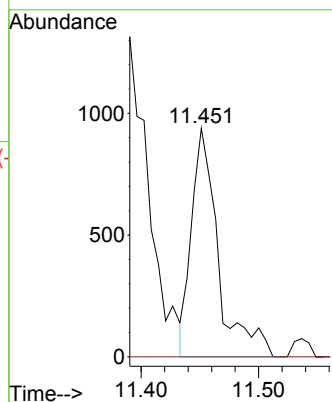
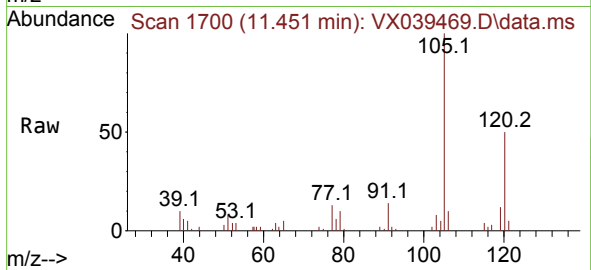




#82
4-Chlorotoluene
Concen: 0.250 ug/l
RT: 11.451 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX039469.D
Acq: 26 Dec 2023 15:50

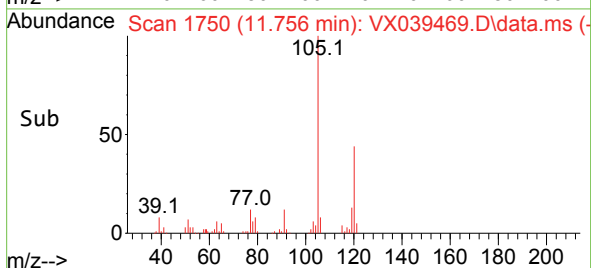
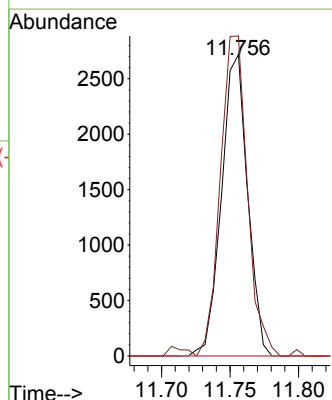
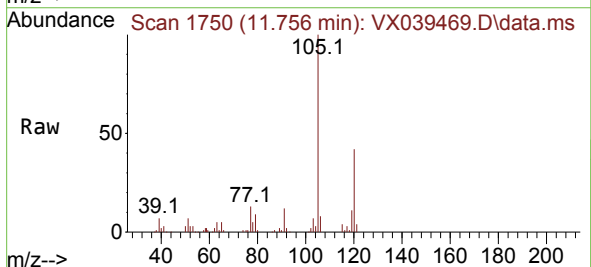
Instrument :
MSVOA_X
ClientSampleId :

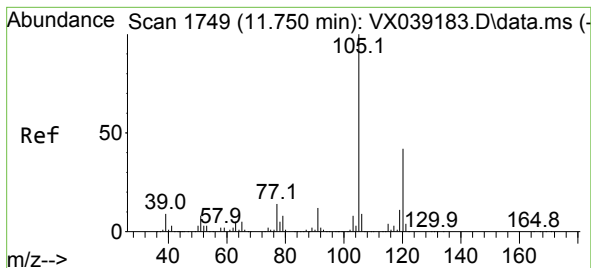
Tgt Ion: 91 Resp: 1481
Ion Ratio Lower Upper
91 100
126 0.0 14.2 42.6#



#83
tert-Butylbenzene
Concen: 0.656 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.043 min
Lab File: VX039469.D
Acq: 26 Dec 2023 15:50

Tgt Ion: 119 Resp: 3599
Ion Ratio Lower Upper
119 100
91 109.8 31.2 93.6#
134 0.0 11.7 35.0#





#84

1,2,4-Trimethylbenzene

Concen: 5.526 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX039469.D

Acq: 26 Dec 2023 15:50

Instrument :

MSVOA_X

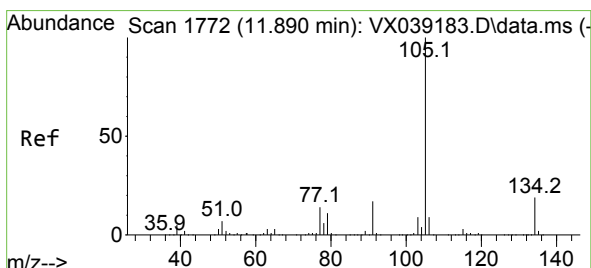
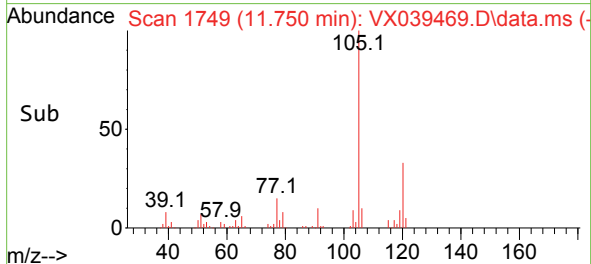
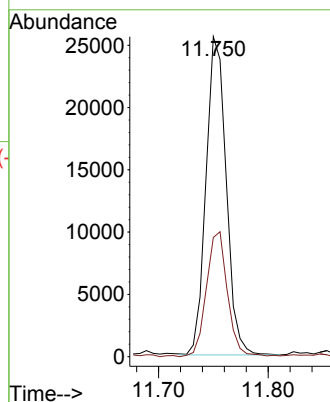
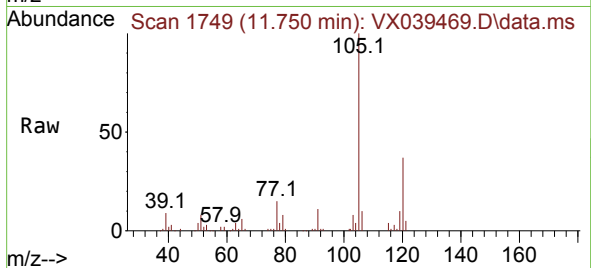
ClientSampleId :

Tgt Ion:105 Resp: 32655

Ion Ratio Lower Upper

105 100

120 40.0 21.2 63.6



#85

sec-Butylbenzene

Concen: 4.680 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.140 min

Lab File: VX039469.D

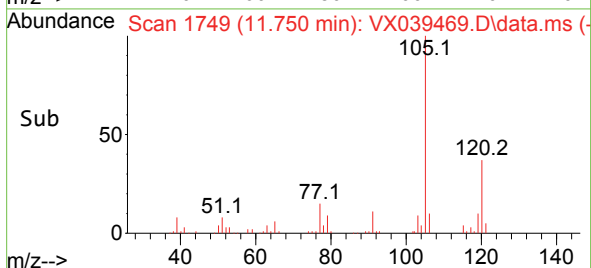
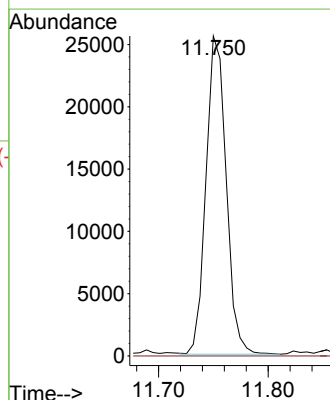
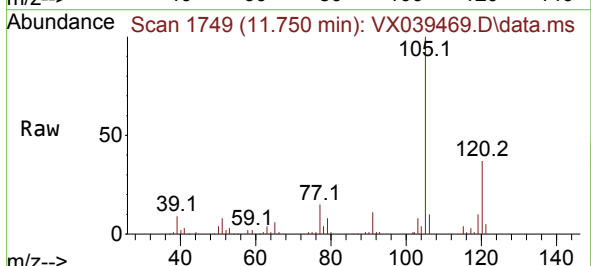
Acq: 26 Dec 2023 15:50

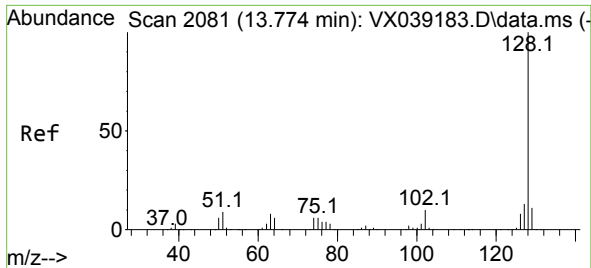
Tgt Ion:105 Resp: 32655

Ion Ratio Lower Upper

105 100

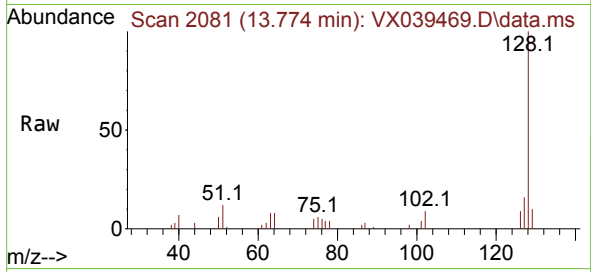
134 0.0 9.8 29.4#





#95
 Naphthalene
 Concen: 1.295 ug/l
 RT: 13.774 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VX039469.D
 Acq: 26 Dec 2023 15:50

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:	128	Resp:	8305
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.3	15.5
129	9.6	8.8	13.2

