

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021424\
 Data File : VX040238.D
 Acq On : 14 Feb 2024 22:02
 Operator : JC/MD
 Sample : P1458-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 A1163

Quant Time: Feb 15 00:10:46 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020924W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 12 00:21:14 2024
 Response via : Initial Calibration

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

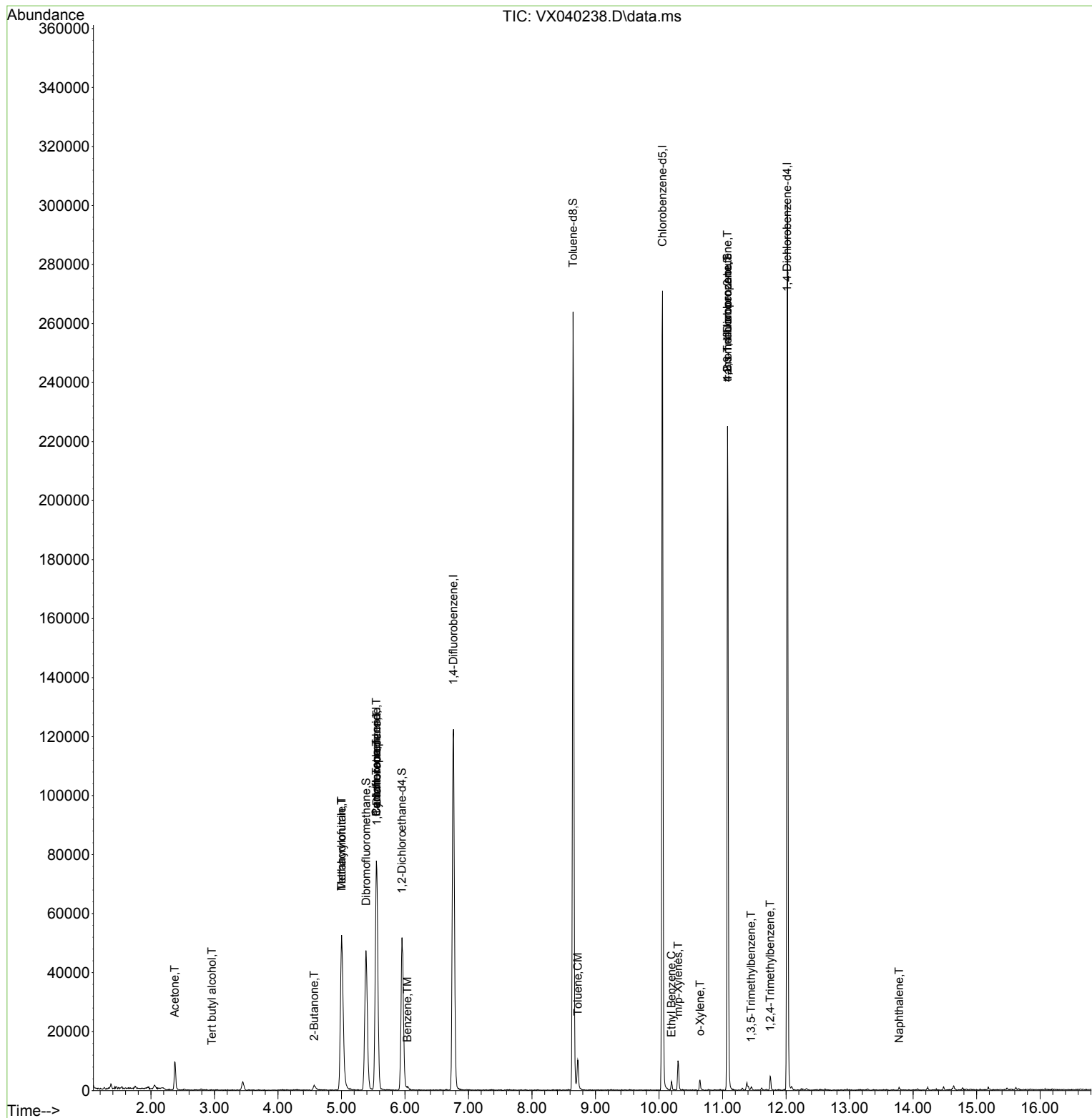
Internal Standards						
1) Pentafluorobenzene	5.550	168	75475	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	126248	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	123185	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	62911	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	49352	43.953	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	87.900%
35) Dibromofluoromethane	5.385	113	40831	46.312	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.620%
50) Toluene-d8	8.647	98	153804	46.636	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	93.280%
62) 4-Bromofluorobenzene	11.079	95	60607	45.059	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.120%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.959	59	98	0.448	ug/l #	78
16) Acetone	2.374	43	10321	22.380	ug/l	93
20) Methylene Chloride	2.800	84	159	Below Cal	#	50
25) 2-Butanone	4.568	43	3401	4.718	ug/l	97
29) Tetrahydrofuran	5.001	42	48753	103.810	ug/l	96
31) Cyclohexane	5.550	56	1650	1.232	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	6064	4.910	ug/l #	50
38) Carbon Tetrachloride	5.550	117	7605	6.476	ug/l #	13
40) Benzene	6.038	78	1048	0.303	ug/l #	51
41) Methacrylonitrile	5.001	41	27035	37.110	ug/l #	51
52) Toluene	8.720	92	3925	1.735	ug/l	97
67) Ethyl Benzene	10.195	91	1870	0.408	ug/l	100
68) m/p-Xylenes	10.299	106	2390	1.382	ug/l	92
69) o-Xylene	10.647	106	883	0.525	ug/l	85
76) 1,2,3-Trichloropropane	11.079	75	31261	24.538	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.451	105	783	0.210	ug/l	84
81) trans-1,4-Dichloro-2-b...	11.079	75	31261	67.564	ug/l #	5
84) 1,2,4-Trimethylbenzene	11.750	105	2462	0.652	ug/l	97
95) Naphthalene	13.780	128	890	0.205	ug/l #	88

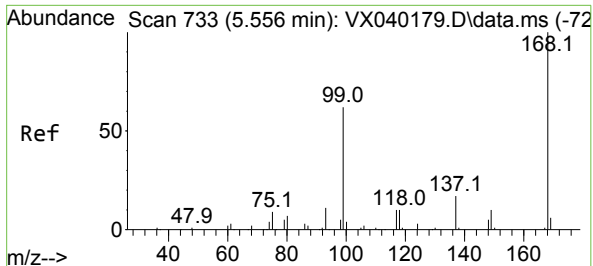
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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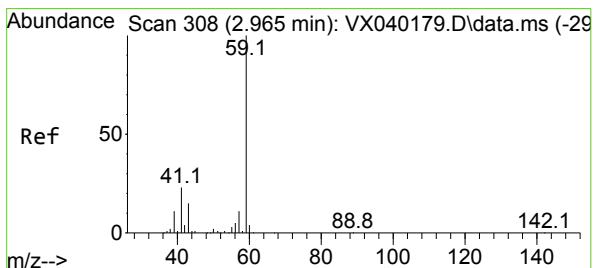
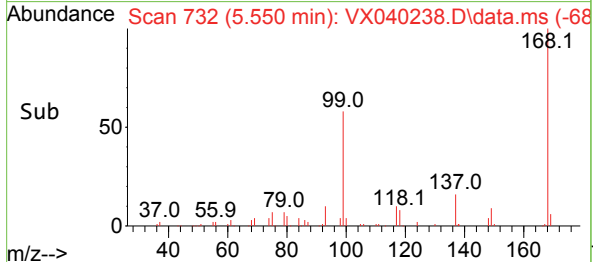
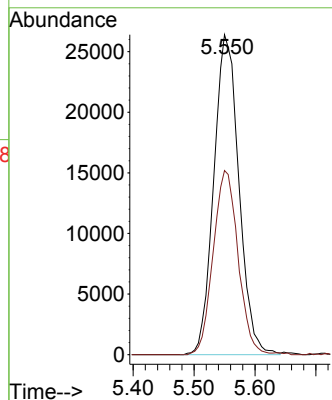
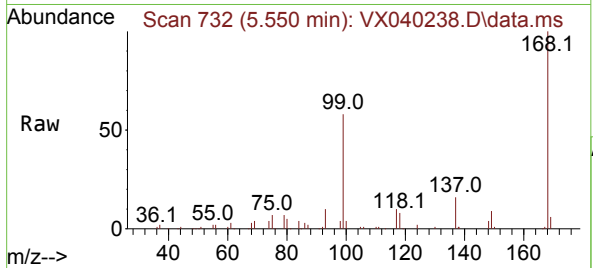




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX040238.D
Acq: 14 Feb 2024 22:02

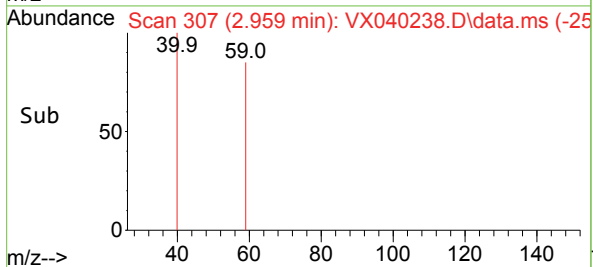
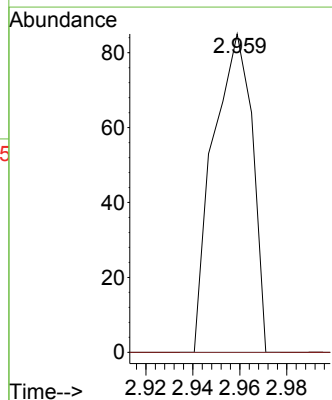
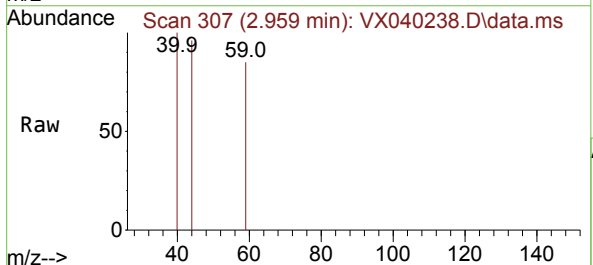
Instrument :
MSVOA_X
ClientSampleId :
A1163

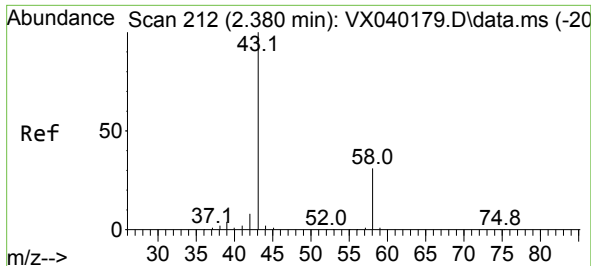
Tgt Ion:168 Resp: 75475
Ion Ratio Lower Upper
168 100
99 57.6 56.6 85.0



#11
Tert butyl alcohol
Concen: 0.448 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.006 min
Lab File: VX040238.D
Acq: 14 Feb 2024 22:02

Tgt Ion: 59 Resp: 98
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#





#16

Acetone

Concen: 22.380 ug/l

RT: 2.374 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX040238.D

Acq: 14 Feb 2024 22:02

Instrument :

MSVOA_X

ClientSampleId :

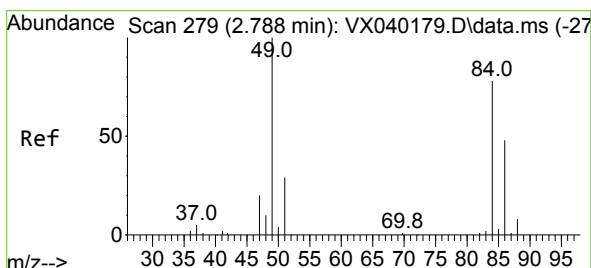
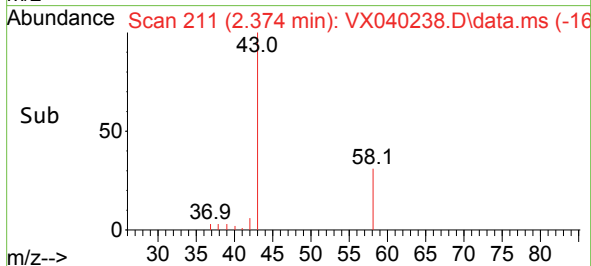
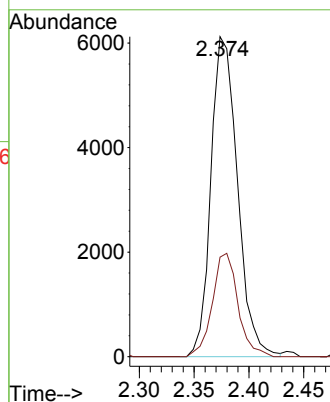
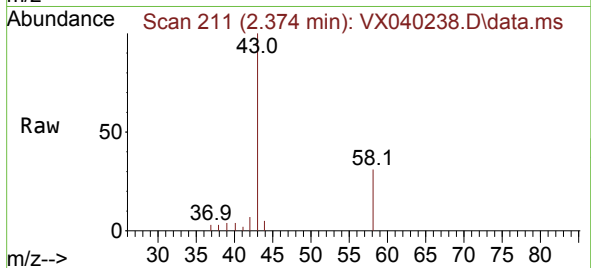
A1163

Tgt Ion: 43 Resp: 10321

Ion Ratio Lower Upper

43 100

58 31.1 21.9 32.9



#20

Methylene Chloride

Concen: Below Cal

RT: 2.800 min Scan# 281

Delta R.T. 0.012 min

Lab File: VX040238.D

Acq: 14 Feb 2024 22:02

Tgt Ion: 84 Resp: 159

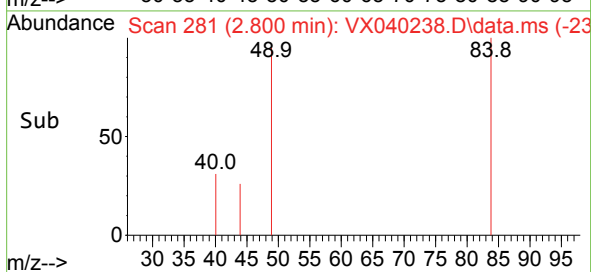
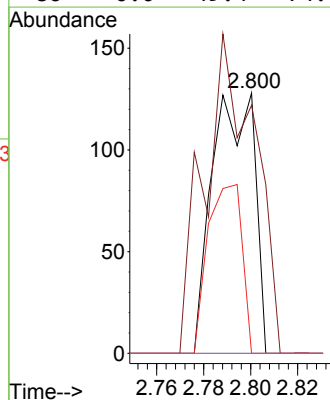
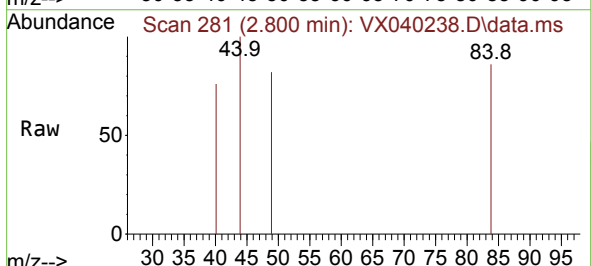
Ion Ratio Lower Upper

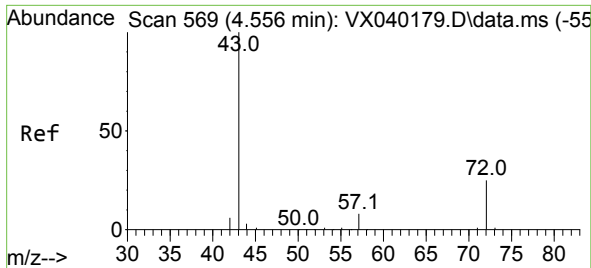
84 100

49 95.3 103.6 155.4#

51 0.0 33.8 50.6#

86 0.0 49.4 74.0#

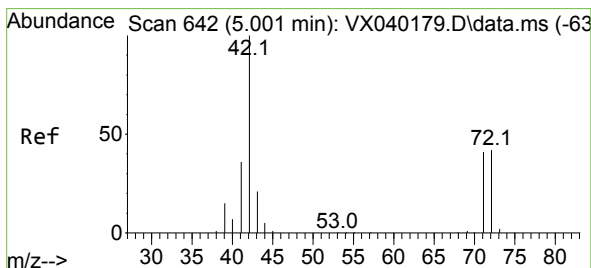
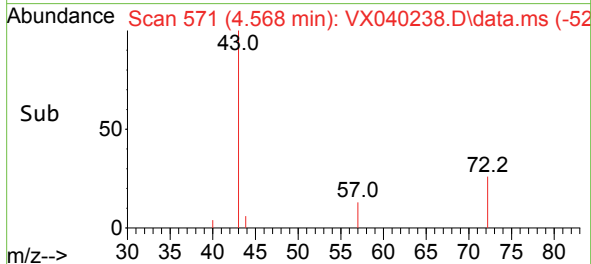
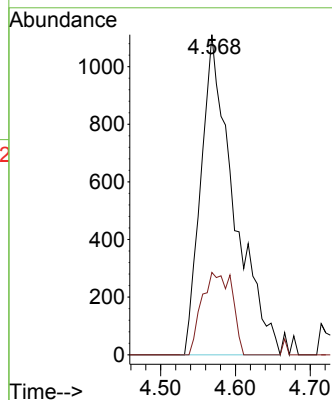
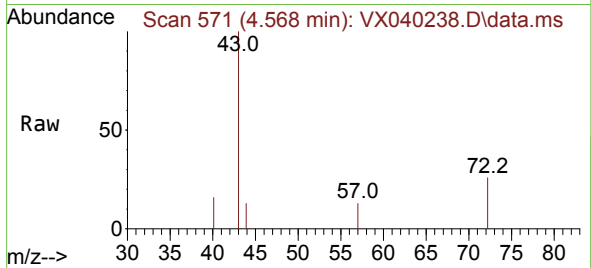




#25
2-Butanone
Concen: 4.718 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX040238.D
Acq: 14 Feb 2024 22:02

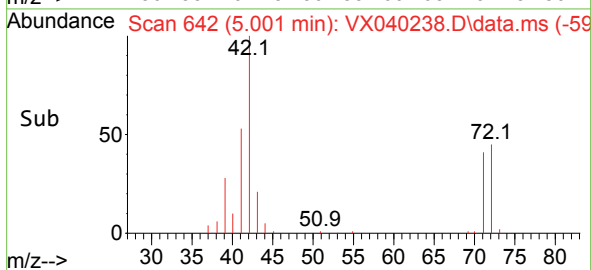
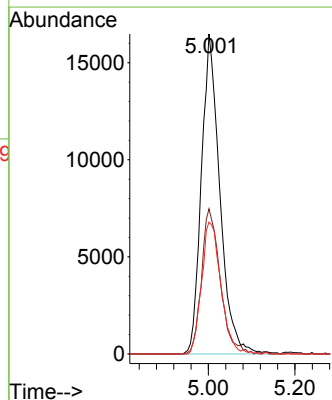
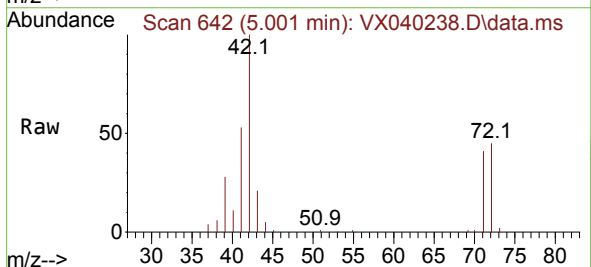
Instrument :
MSVOA_X
ClientSampleId :
A1163

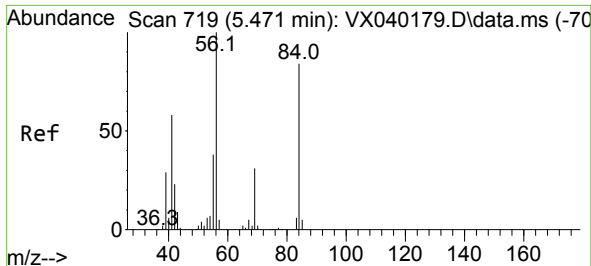
Tgt Ion: 43 Resp: 3401
Ion Ratio Lower Upper
43 100
72 25.7 19.4 29.2



#29
Tetrahydrofuran
Concen: 103.810 ug/l
RT: 5.001 min Scan# 642
Delta R.T. -0.006 min
Lab File: VX040238.D
Acq: 14 Feb 2024 22:02

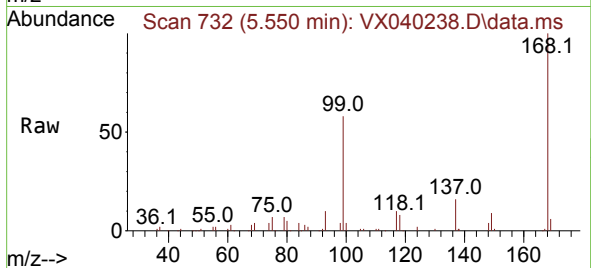
Tgt Ion: 42 Resp: 48753
Ion Ratio Lower Upper
42 100
72 45.6 34.2 51.4
71 43.0 32.2 48.2



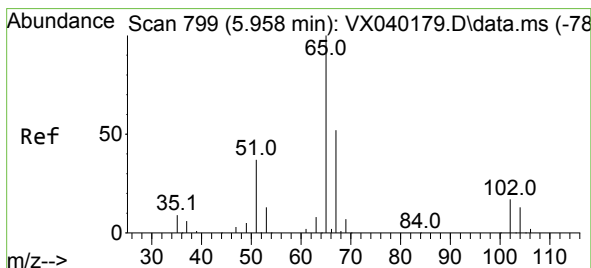
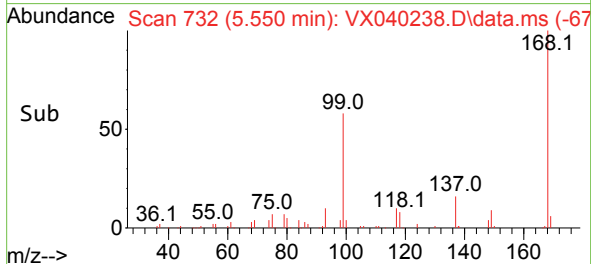
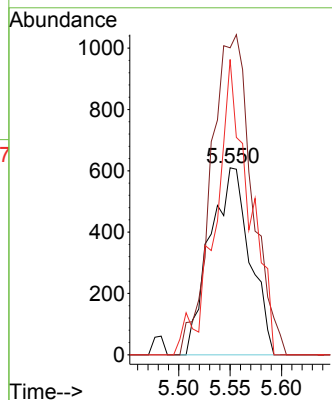


#31
Cyclohexane
Concen: 1.232 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX040238.D
Acq: 14 Feb 2024 22:02

Instrument :
MSVOA_X
ClientSampleId :
A1163

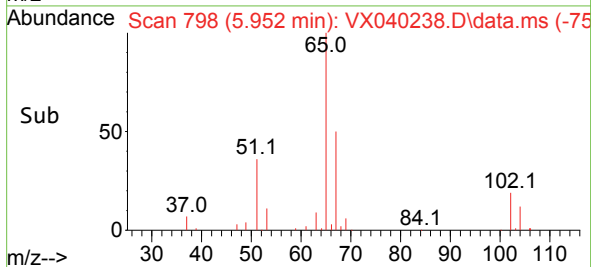
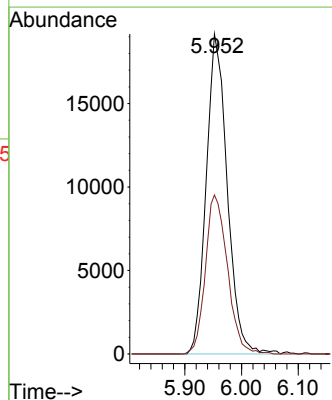
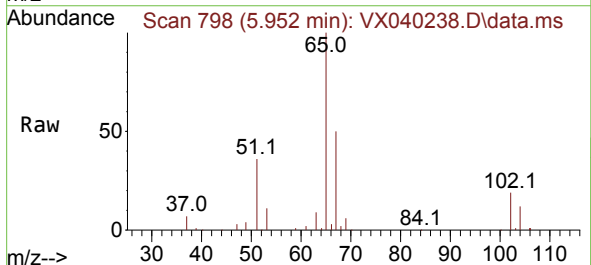


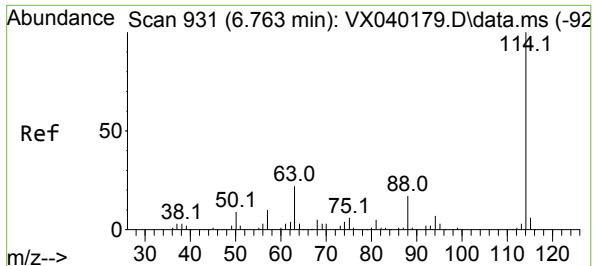
Tgt Ion: 56 Resp: 1650
Ion Ratio Lower Upper
56 100
69 164.1 23.4 35.2#
84 170.8 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 43.953 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX040238.D
Acq: 14 Feb 2024 22:02

Tgt Ion: 65 Resp: 49352
Ion Ratio Lower Upper
65 100
67 52.0 0.0 100.2

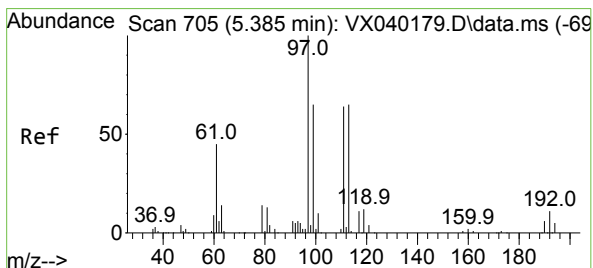
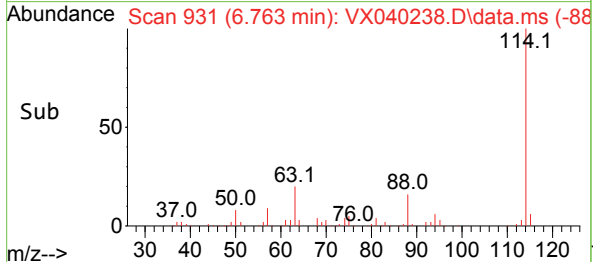
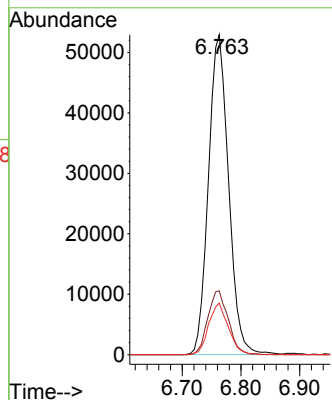
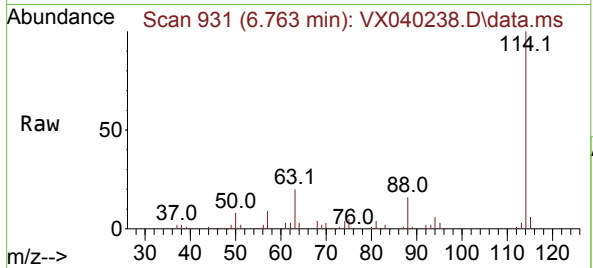




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX040238.D
Acq: 14 Feb 2024 22:02

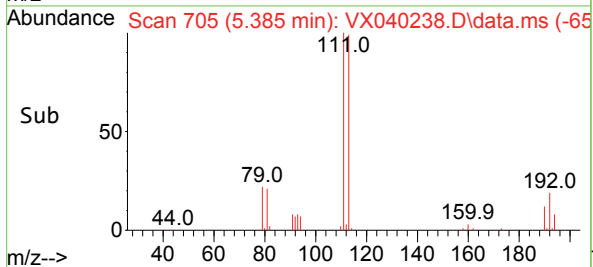
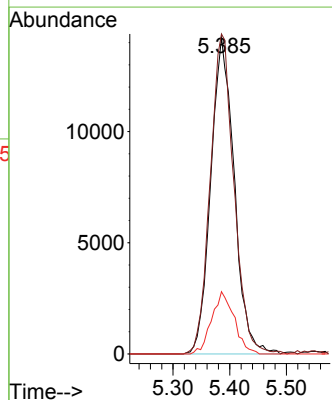
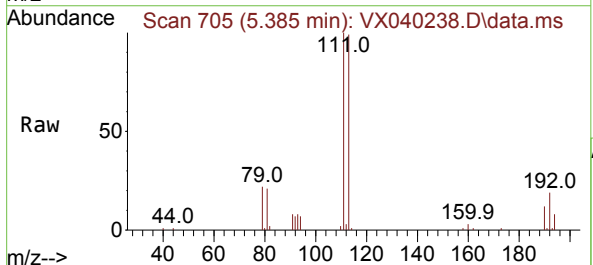
Instrument :
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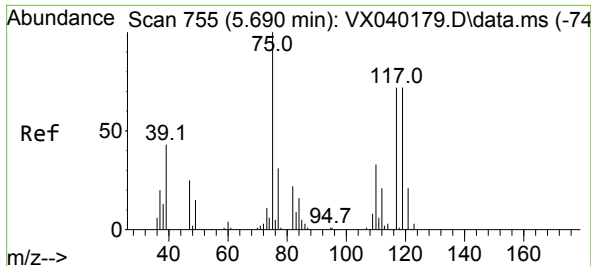
Tgt Ion:114 Resp: 126248
Ion Ratio Lower Upper
114 100
63 19.9 0.0 45.0
88 16.2 0.0 36.6



#35
Dibromofluoromethane
Concen: 46.312 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX040238.D
Acq: 14 Feb 2024 22:02

Tgt Ion:113 Resp: 40831
Ion Ratio Lower Upper
113 100
111 102.2 82.9 124.3
192 19.0 13.3 19.9

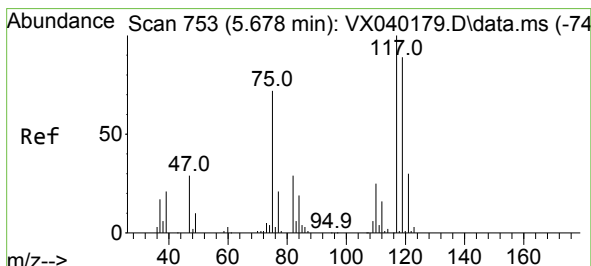
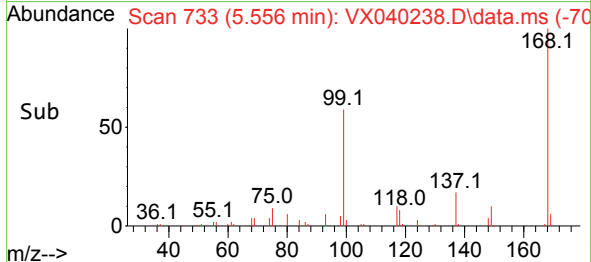
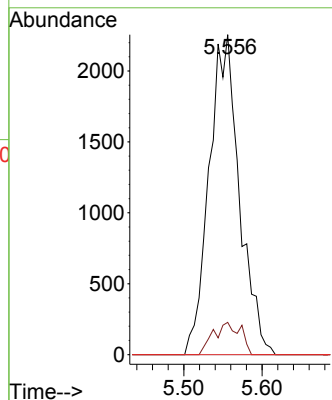
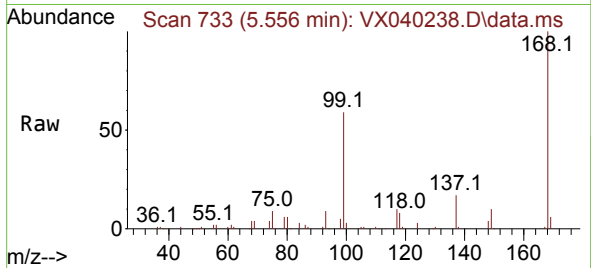




#36
1,1-Dichloropropene
Concen: 4.910 ug/l
RT: 5.556 min Scan# 713
Delta R.T. -0.140 min
Lab File: VX040238.D
Acq: 14 Feb 2024 22:02

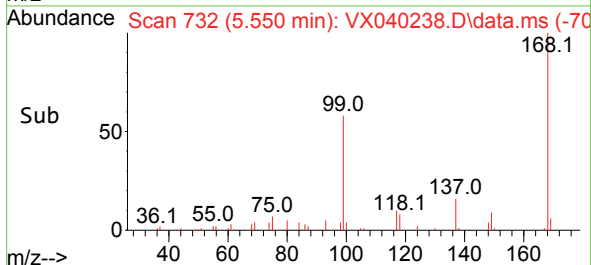
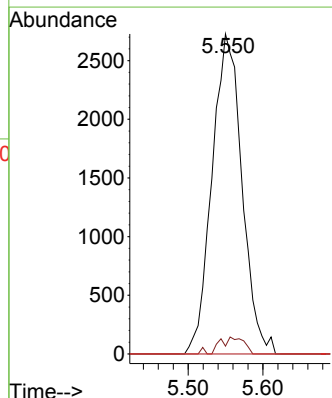
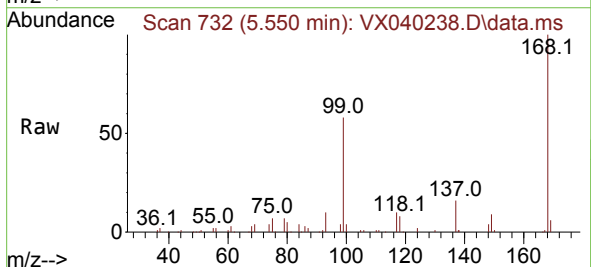
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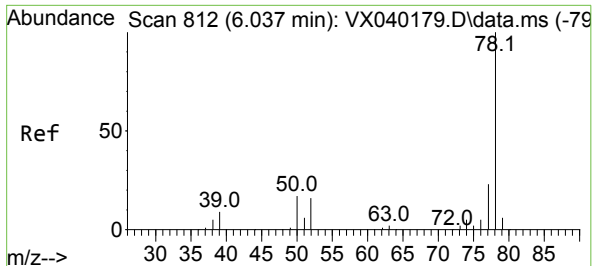
Tgt Ion: 75 Resp: 6064
Ion Ratio Lower Upper
75 100
110 9.0 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.476 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.122 min
Lab File: VX040238.D
Acq: 14 Feb 2024 22:02

Tgt Ion: 117 Resp: 7605
Ion Ratio Lower Upper
117 100
119 2.4 78.2 117.2#
121 0.0 24.4 36.6#

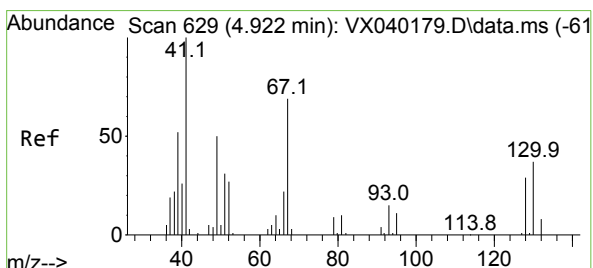
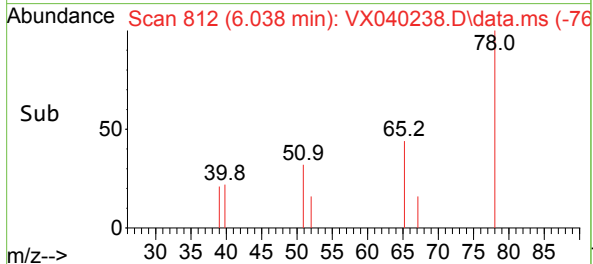
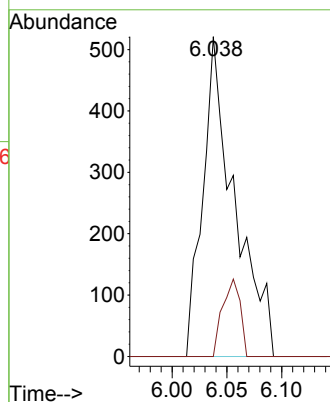
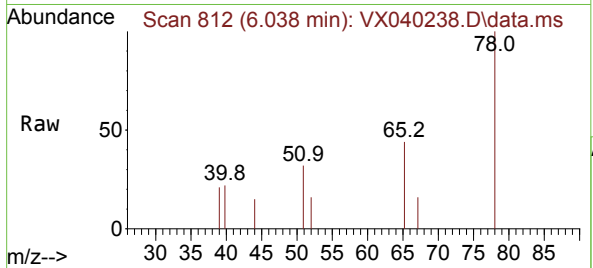




#40
Benzene
Concen: 0.303 ug/l
RT: 6.038 min Scan# 812
Delta R.T. 0.000 min
Lab File: VX040238.D
Acq: 14 Feb 2024 22:02

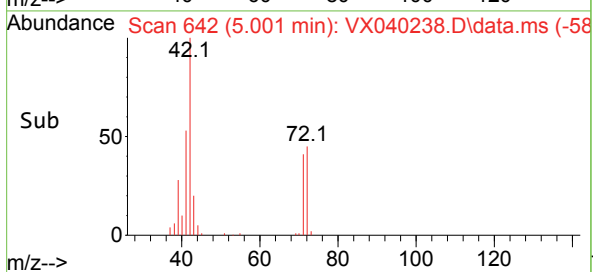
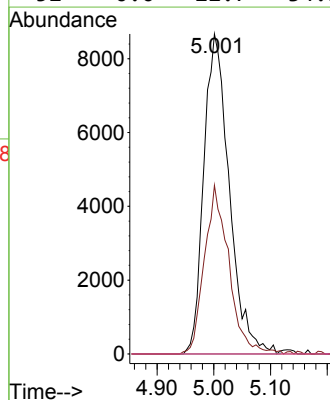
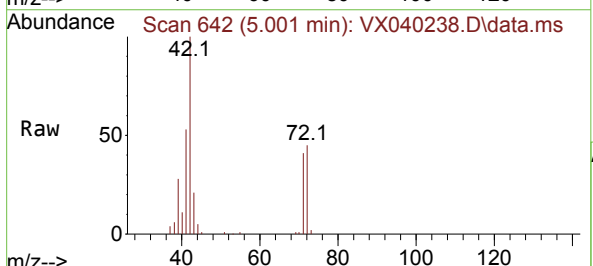
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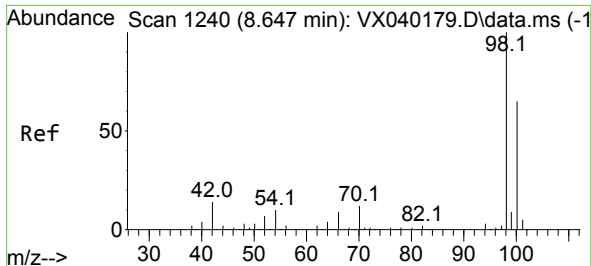
Tgt Ion: 78 Resp: 1048
Ion Ratio Lower Upper
78 100
77 0.0 19.3 28.9#



#41
Methacrylonitrile
Concen: 37.110 ug/l
RT: 5.001 min Scan# 642
Delta R.T. 0.073 min
Lab File: VX040238.D
Acq: 14 Feb 2024 22:02

Tgt Ion: 41 Resp: 27035
Ion Ratio Lower Upper
41 100
39 50.7 45.2 67.8
67 0.0 52.6 78.8#
52 0.0 22.7 34.1#

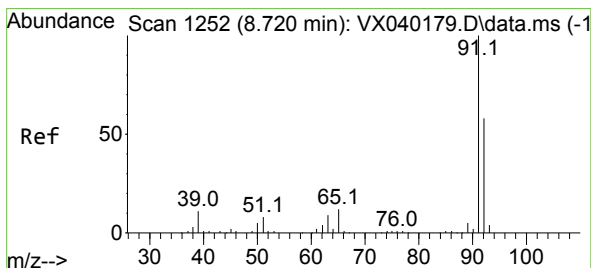
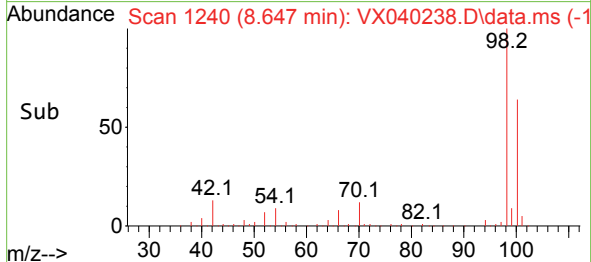
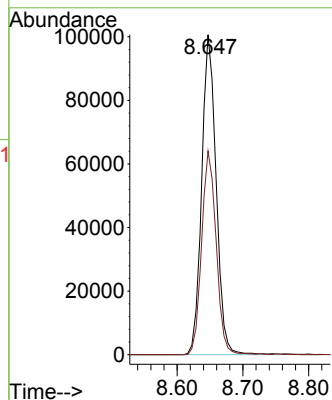
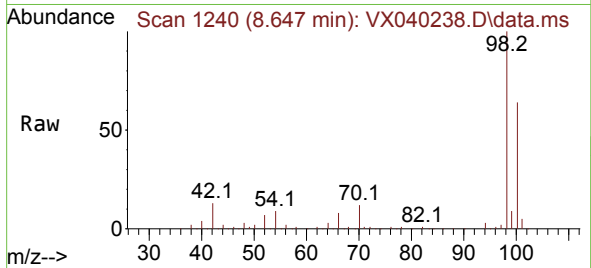




#50
Toluene-d8
Concen: 46.636 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX040238.D
Acq: 14 Feb 2024 22:02

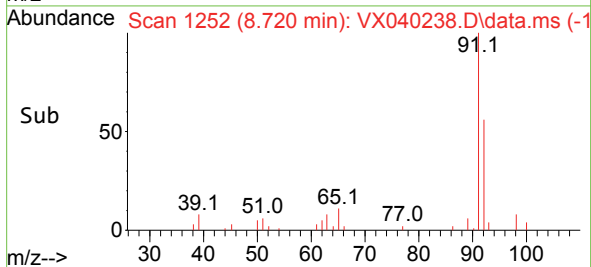
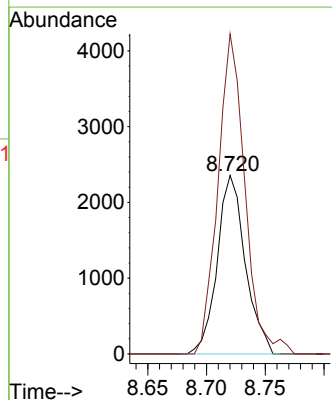
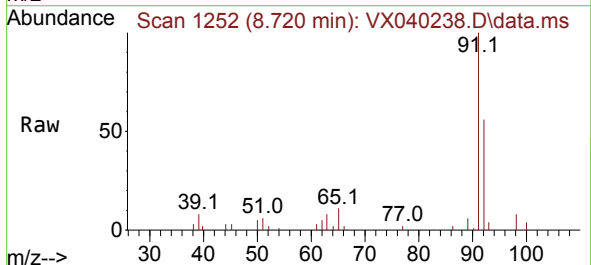
Instrument :
MSVOA_X
ClientSampleId :
A1163

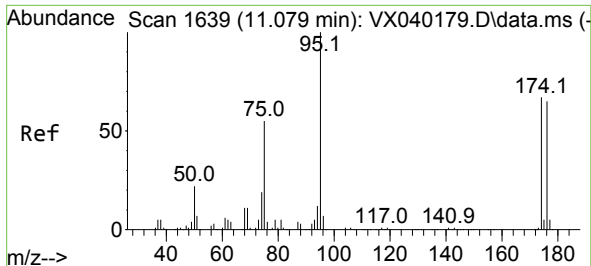
Tgt Ion: 98 Resp: 153804
Ion Ratio Lower Upper
98 100
100 64.2 53.1 79.7



#52
Toluene
Concen: 1.735 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX040238.D
Acq: 14 Feb 2024 22:02

Tgt Ion: 92 Resp: 3925
Ion Ratio Lower Upper
92 100
91 172.2 134.2 201.2

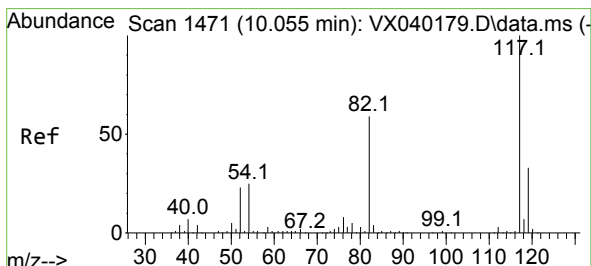
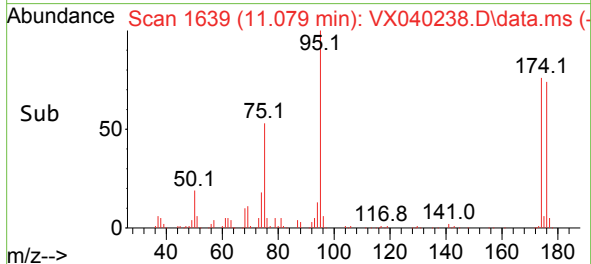
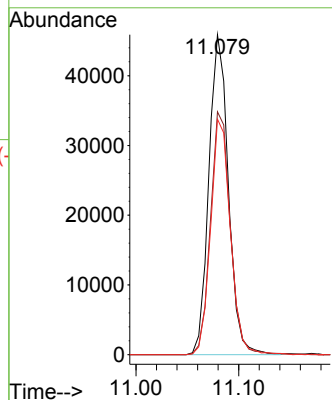
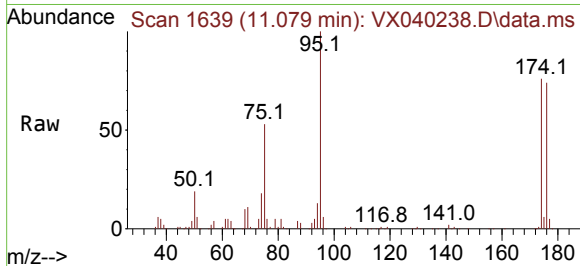




#62
4-Bromofluorobenzene
Concen: 45.059 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX040238.D
Acq: 14 Feb 2024 22:02

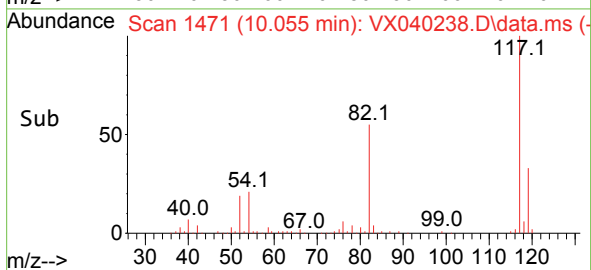
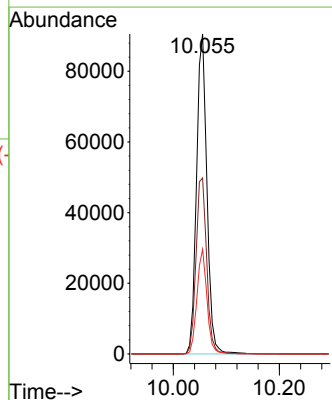
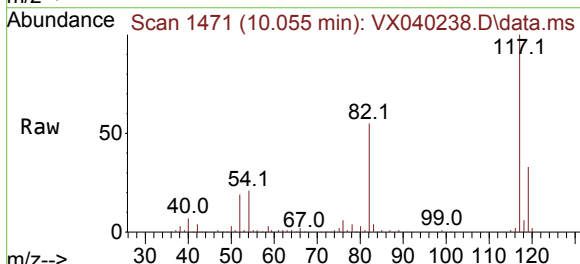
Instrument :
MSVOA_X
ClientSampleId :
A1163

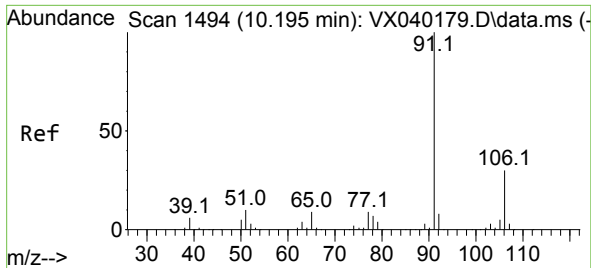
Tgt Ion: 95 Resp: 60607
Ion Ratio Lower Upper
95 100
174 77.3 0.0 135.6
176 74.4 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX040238.D
Acq: 14 Feb 2024 22:02

Tgt Ion: 117 Resp: 123185
Ion Ratio Lower Upper
117 100
82 55.0 46.2 69.4
119 32.7 25.5 38.3

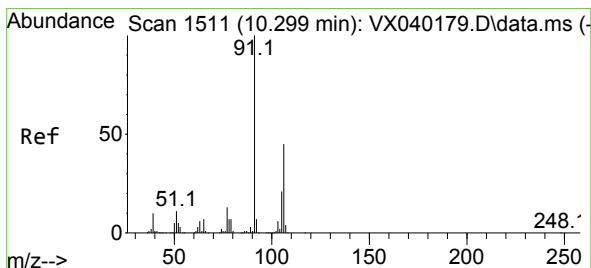
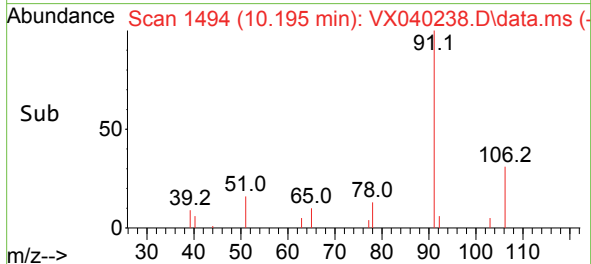
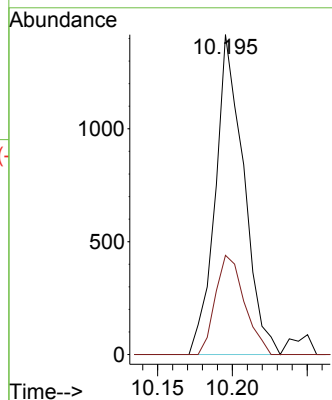
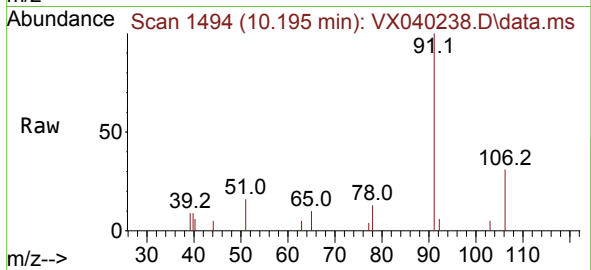




#67
Ethyl Benzene
Concen: 0.408 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX040238.D
Acq: 14 Feb 2024 22:02

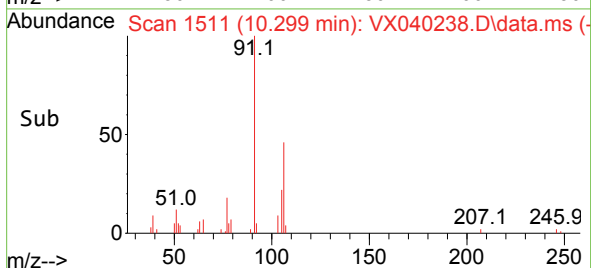
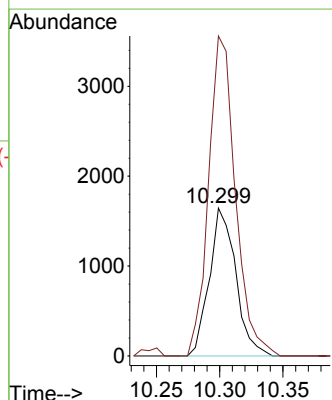
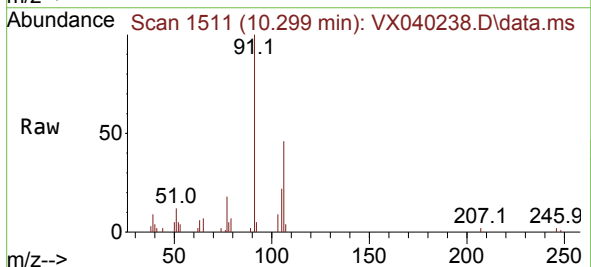
Instrument :
MSVOA_X
ClientSampleId :
A1163

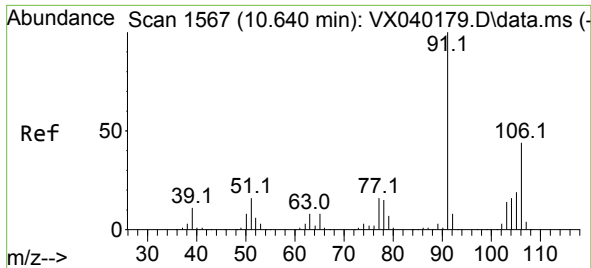
Tgt Ion: 91 Resp: 1870
Ion Ratio Lower Upper
91 100
106 31.1 24.9 37.3



#68
m/p-Xylenes
Concen: 1.382 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX040238.D
Acq: 14 Feb 2024 22:02

Tgt Ion: 106 Resp: 2390
Ion Ratio Lower Upper
106 100
91 219.9 165.5 248.3

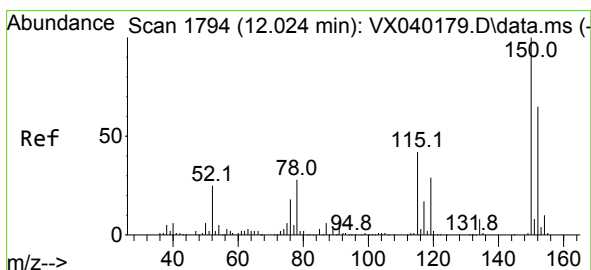
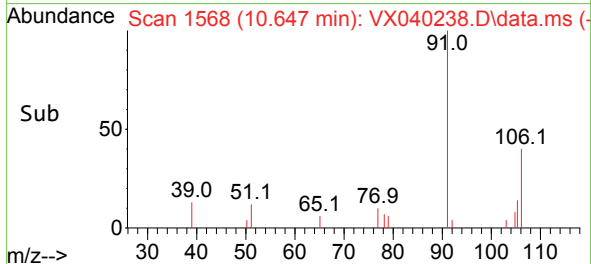
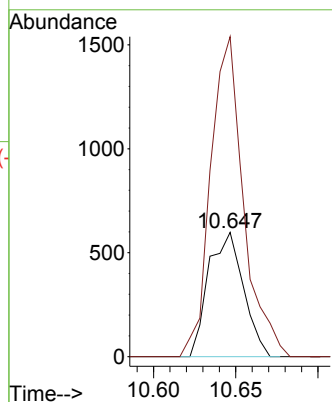
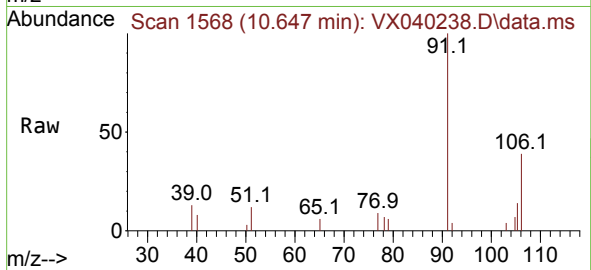




#69
o-Xylene
Concen: 0.525 ug/l
RT: 10.647 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX040238.D
Acq: 14 Feb 2024 22:02

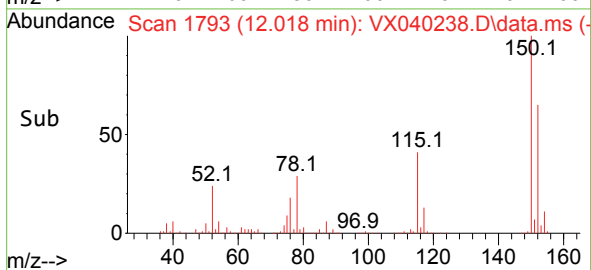
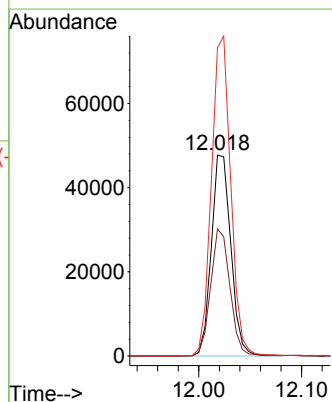
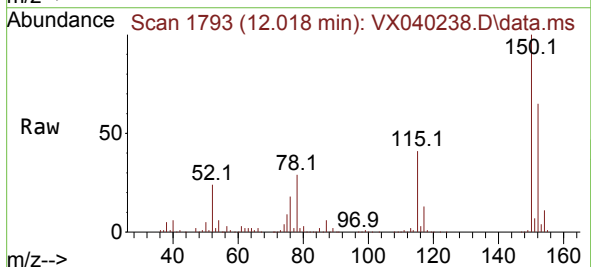
Instrument :
MSVOA_X
ClientSampleId :
A1163

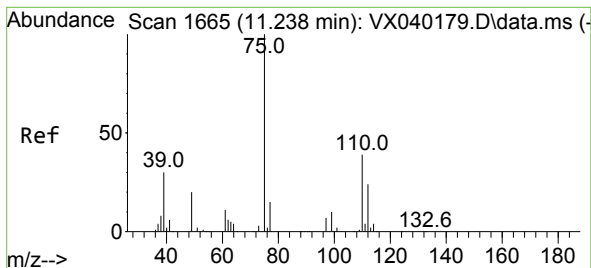
Tgt Ion:106 Resp: 883
Ion Ratio Lower Upper
106 100
91 241.8 108.9 326.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX040238.D
Acq: 14 Feb 2024 22:02

Tgt Ion:152 Resp: 62911
Ion Ratio Lower Upper
152 100
115 62.3 43.3 129.9
150 157.4 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 24.538 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.158 min

Lab File: VX040238.D

Acq: 14 Feb 2024 22:02

Instrument :

MSVOA_X

ClientSampleId :

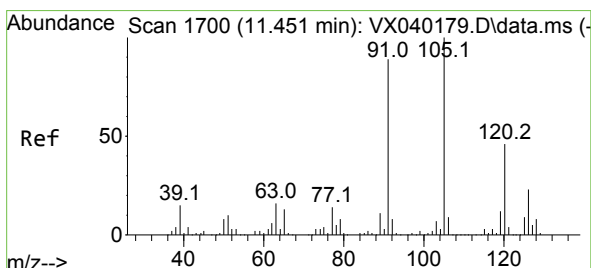
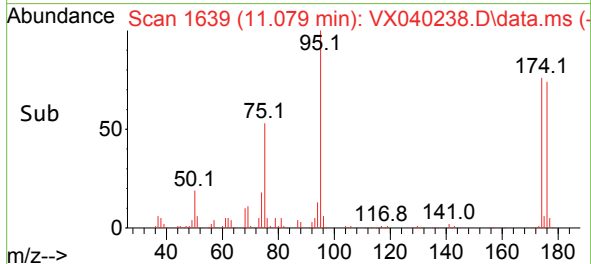
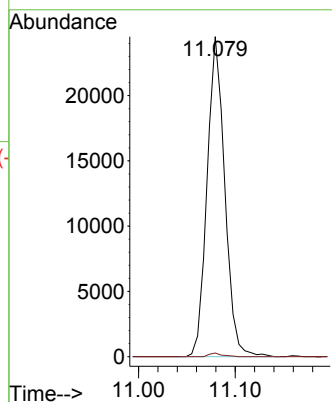
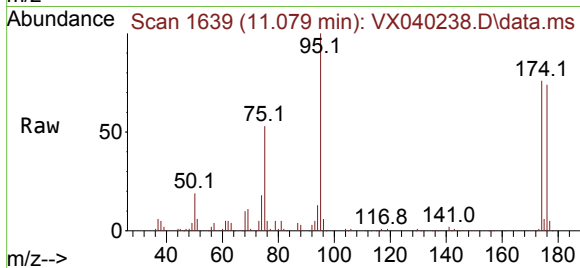
A1163

Tgt Ion: 75 Resp: 31261

Ion Ratio Lower Upper

75 100

77 0.9 19.1 57.5#



#80

1,3,5-Trimethylbenzene

Concen: 0.210 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX040238.D

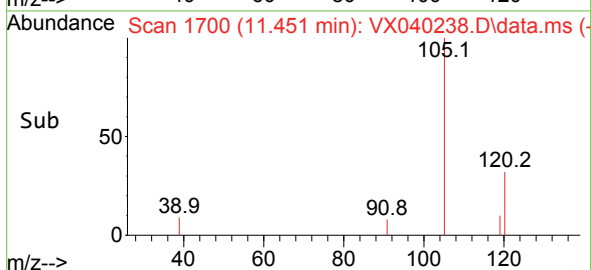
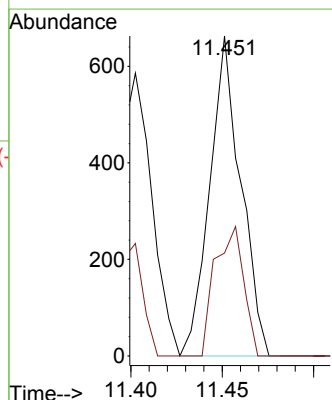
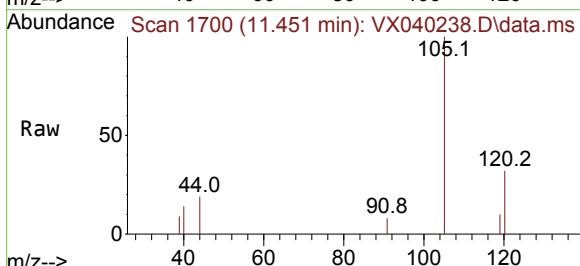
Acq: 14 Feb 2024 22:02

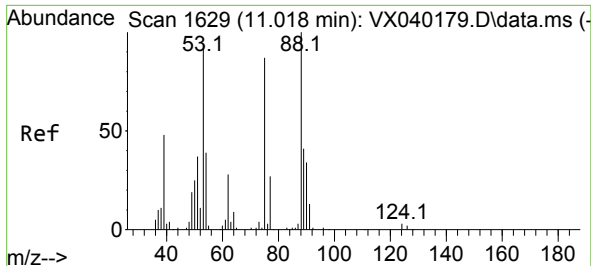
Tgt Ion:105 Resp: 783

Ion Ratio Lower Upper

105 100

120 37.3 24.1 72.3

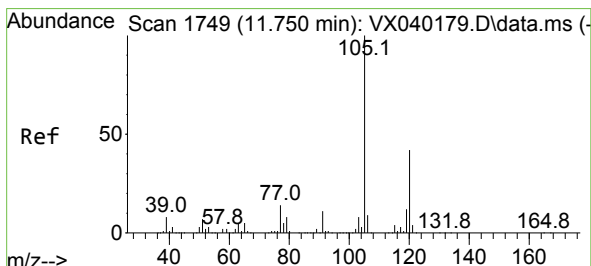
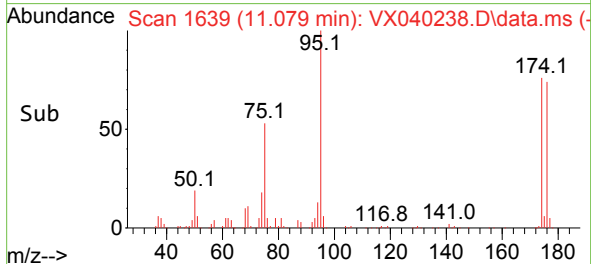
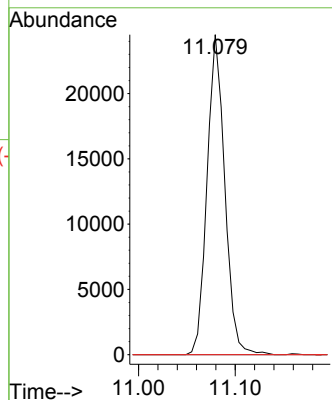
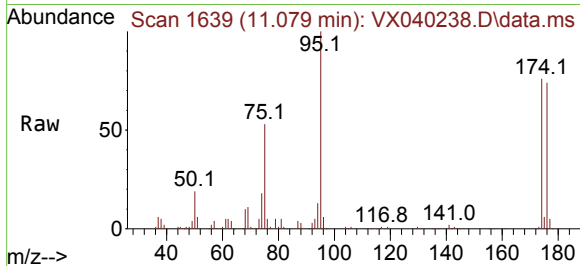




#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.564 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. 0.061 min
 Lab File: VX040238.D
 Acq: 14 Feb 2024 22:02

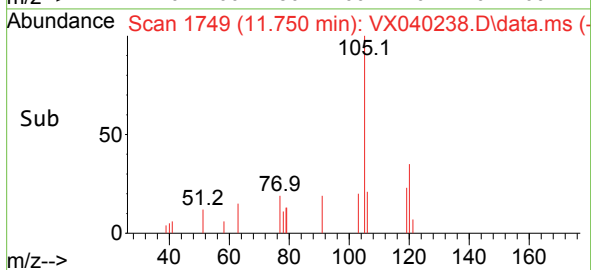
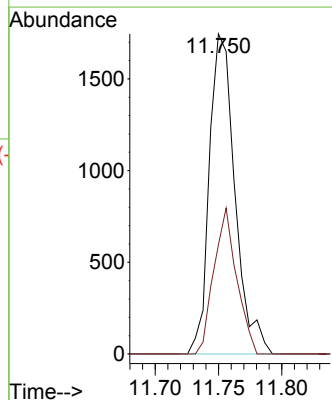
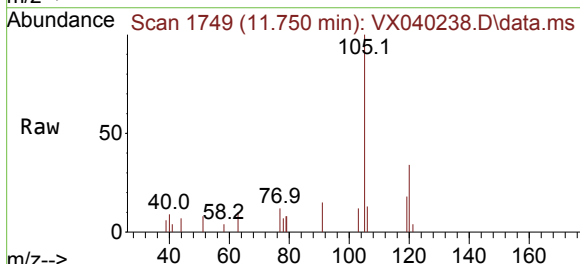
Instrument :
 MSVOA_X
 ClientSampleId :
 A1163

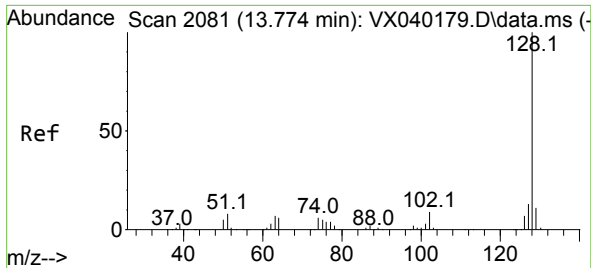
Tgt Ion: 75 Resp: 31261
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#



#84
 1,2,4-Trimethylbenzene
 Concen: 0.652 ug/l
 RT: 11.750 min Scan# 1749
 Delta R.T. 0.000 min
 Lab File: VX040238.D
 Acq: 14 Feb 2024 22:02

Tgt Ion: 105 Resp: 2462
 Ion Ratio Lower Upper
 105 100
 120 40.4 21.2 63.6





#95

Naphthalene

Concen: 0.205 ug/l

RT: 13.780 min Scan# 20

Delta R.T. 0.006 min

Lab File: VX040238.D

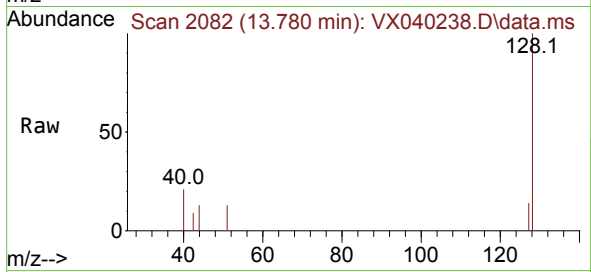
Acq: 14 Feb 2024 22:02

Instrument :

MSVOA_X

ClientSampleId :

A1163



Tgt Ion:	128	Resp:	890
Ion	Ratio	Lower	Upper
128	100		
127	9.0	10.3	15.5#
129	5.3	8.8	13.2#

