

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX010224\
 Data File : VX039565.D
 Acq On : 02 Jan 2024 12:29
 Operator : JC/MD
 Sample : 06038-04DL 100X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 03 04:11:50 2024
 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)

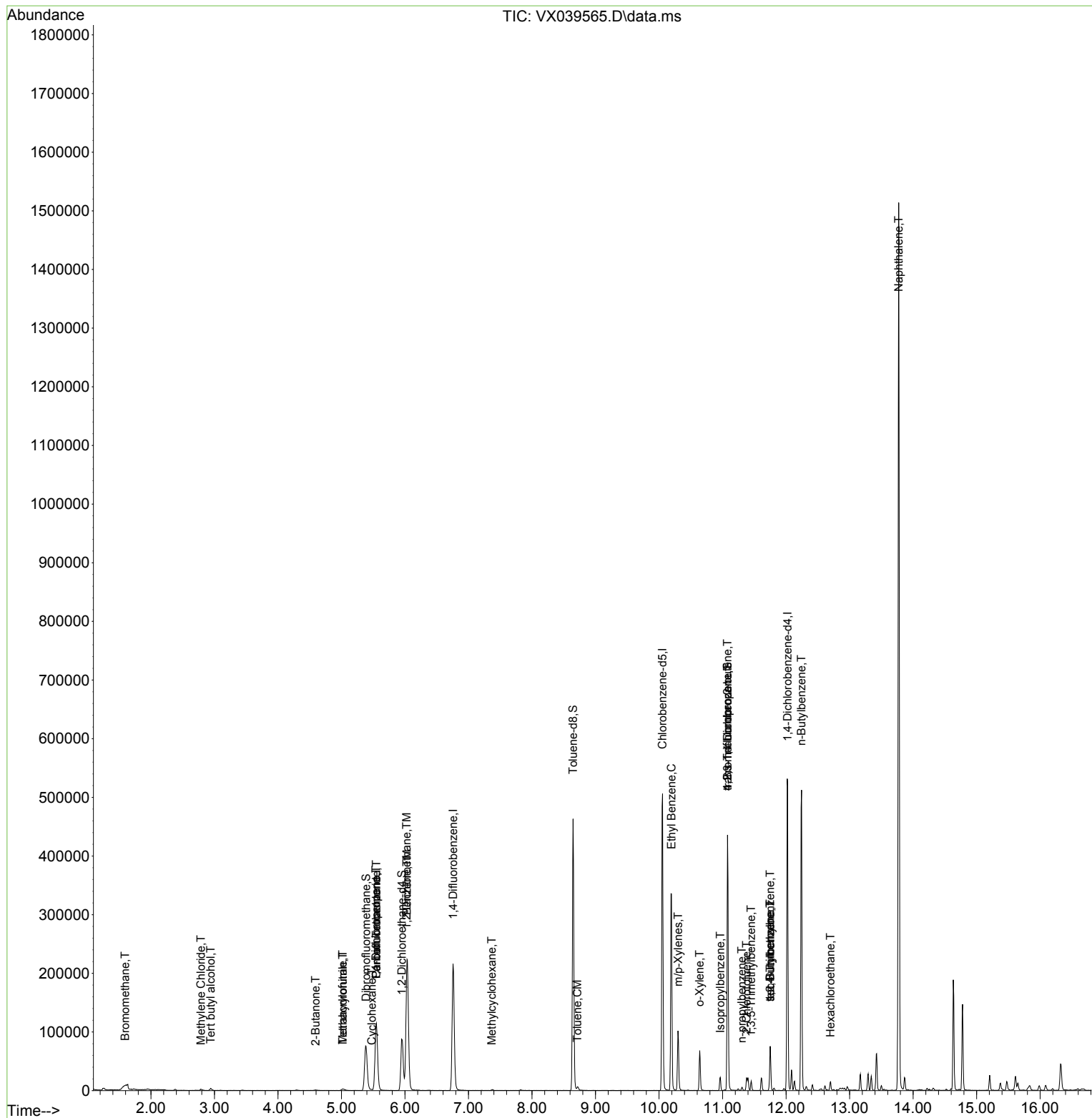
Internal Standards						
1) Pentafluorobenzene	5.550	168	101078	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	210669	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	215455	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	99423	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	86676	46.809	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	93.620%		
35) Dibromofluoromethane	5.385	113	67457	46.349	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.700%		
50) Toluene-d8	8.647	98	263251	48.721	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.440%		
62) 4-Bromofluorobenzene	11.079	95	117398	52.660	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	105.320%		
Target Compounds					Qvalue	
5) Bromomethane	1.593	94	361	0.428	ug/l #	40
11) Tert butyl alcohol	2.940	59	2307	4.961	ug/l #	78
16) Acetone	2.379	43	2012	Below Cal	#	88
20) Methylene Chloride	2.788	84	1045	0.677	ug/l #	91
25) 2-Butanone	4.592	43	1173	0.734	ug/l	92
29) Tetrahydrofuran	5.019	42	2949	3.342	ug/l #	59
31) Cyclohexane	5.476	56	975	0.408	ug/l #	74
36) 1,1-Dichloropropene	5.544	75	9476	4.126	ug/l #	50
38) Carbon Tetrachloride	5.550	117	11693	5.335	ug/l #	16
39) Methylcyclohexane	7.366	83	674	0.244	ug/l #	86
40) Benzene	6.031	78	267815	41.223	ug/l	100
41) Methacrylonitrile	5.019	41	1792	1.184	ug/l #	47
42) 1,2-Dichloroethane	6.025	62	2622	0.997	ug/l #	77
52) Toluene	8.714	92	2242	0.572	ug/l	91
67) Ethyl Benzene	10.195	91	202202	23.099	ug/l	97
68) m/p-Xylenes	10.299	106	23109	7.363	ug/l	96
69) o-Xylene	10.640	106	13657	4.500	ug/l	94
73) Isopropylbenzene	10.963	105	11469	1.495	ug/l	99
76) 1,2,3-Trichloropropane	11.079	75	65004	25.271	ug/l #	38
78) n-propylbenzene	11.305	91	3980	0.421	ug/l	100
79) 2-Chlorotoluene	11.378	91	2796	0.489	ug/l #	42
80) 1,3,5-Trimethylbenzene	11.451	105	7071	1.082	ug/l	93
81) trans-1,4-Dichloro-2-b...	11.079	75	65004	71.290	ug/l #	5
83) tert-Butylbenzene	11.750	119	3653	0.587	ug/l #	45
84) 1,2,4-Trimethylbenzene	11.750	105	32446	4.842	ug/l	98
85) sec-Butylbenzene	11.750	105	32446	4.100	ug/l #	57
89) n-Butylbenzene	12.244	91	35749	5.475	ug/l #	42
90) Hexachloroethane	12.701	117	6436	5.365	ug/l #	17
95) Naphthalene	13.774	128	873807	120.172	ug/l	100

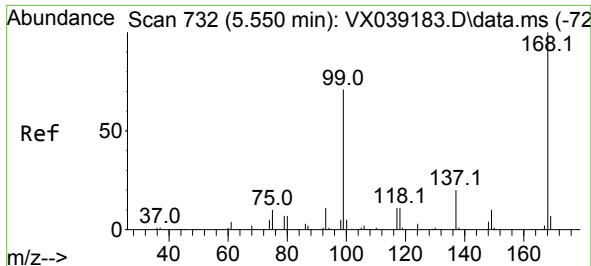
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Dec 14 01:28:15 2023
Response via : Initial Calibration



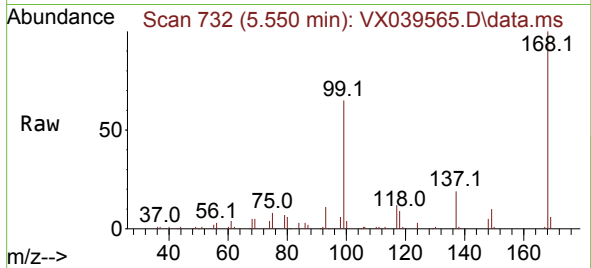


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX039565.D
Acq: 02 Jan 2024 12:29

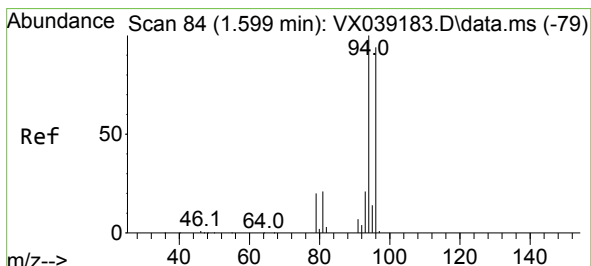
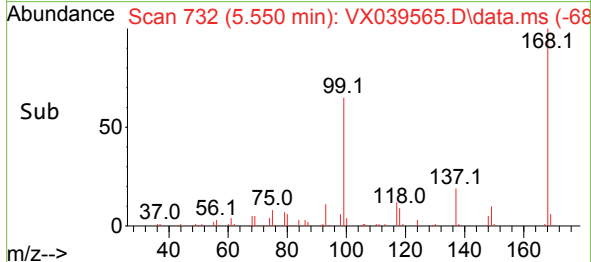
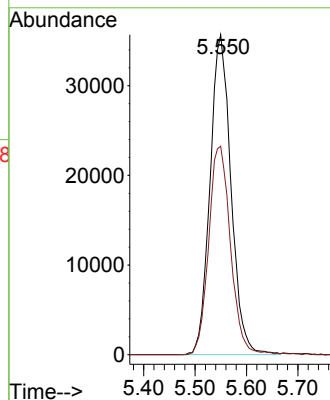
Instrument :

MSVOA_X

ClientSampleId :

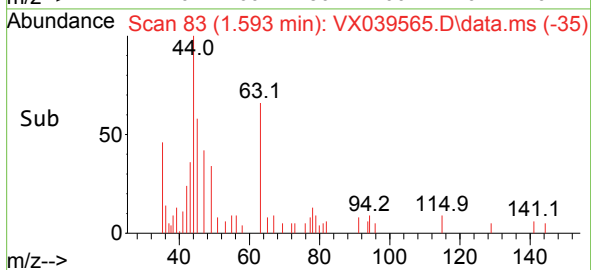
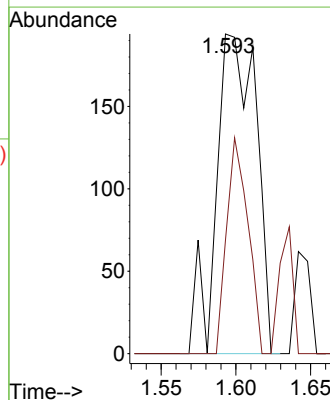
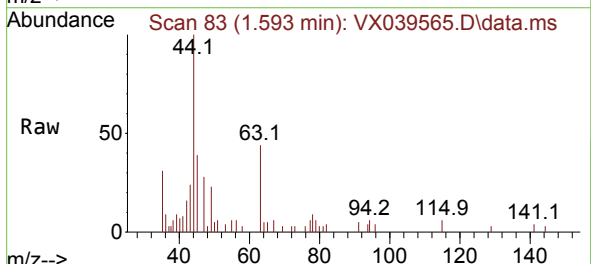


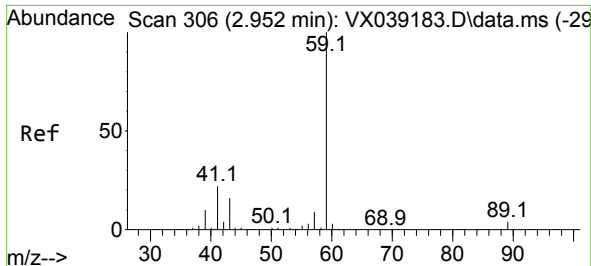
Tgt Ion:168 Resp: 101078
Ion Ratio Lower Upper
168 100
99 65.1 56.6 85.0



#5
Bromomethane
Concen: 0.428 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.006 min
Lab File: VX039565.D
Acq: 02 Jan 2024 12:29

Tgt Ion: 94 Resp: 361
Ion Ratio Lower Upper
94 100
96 35.6 74.6 111.8#





#11

Tert butyl alcohol

Concen: 4.961 ug/l

RT: 2.940 min Scan# 306

Delta R.T. -0.012 min

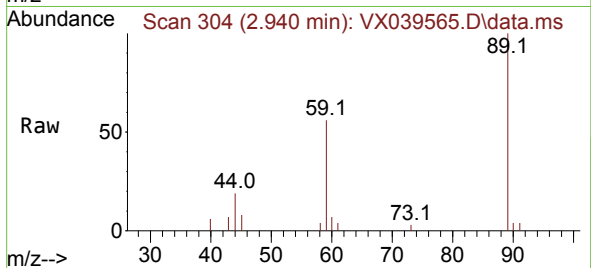
Lab File: VX039565.D

Acq: 02 Jan 2024 12:29

Instrument :

MSVOA_X

ClientSampleId :

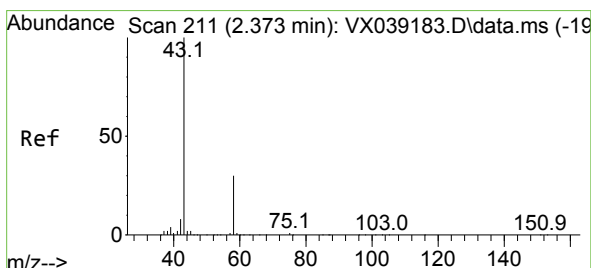
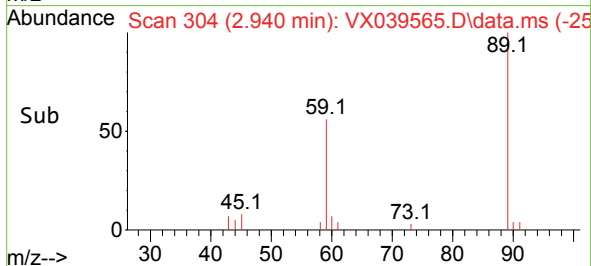
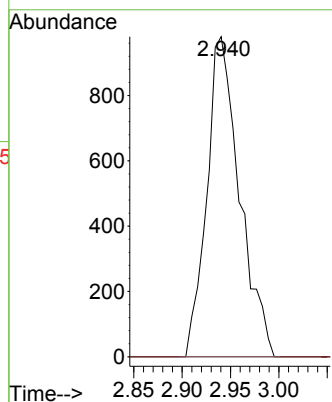


Tgt Ion: 59 Resp: 2307

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#16

Acetone

Concen: Below Cal

RT: 2.379 min Scan# 212

Delta R.T. 0.006 min

Lab File: VX039565.D

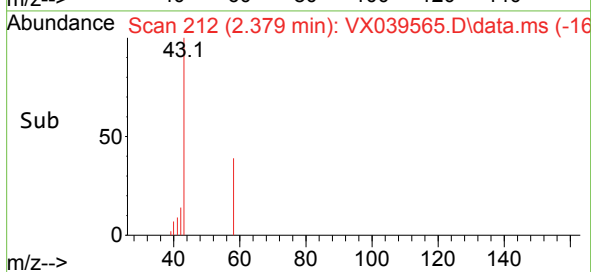
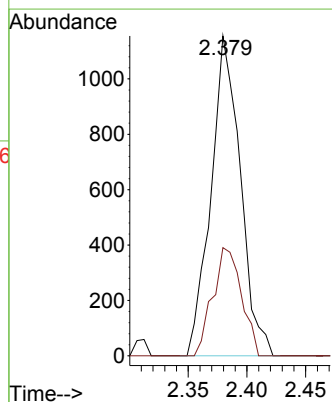
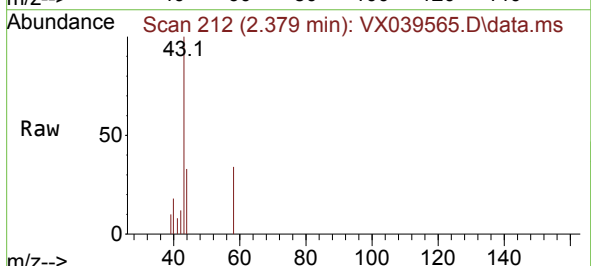
Acq: 02 Jan 2024 12:29

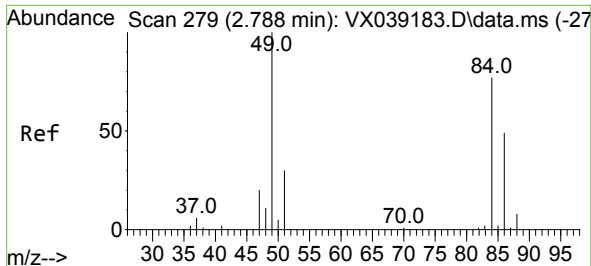
Tgt Ion: 43 Resp: 2012

Ion Ratio Lower Upper

43 100

58 33.9 21.9 32.9#





#20

Methylene Chloride

Concen: 0.677 ug/l

RT: 2.788 min Scan# 21

Delta R.T. 0.000 min

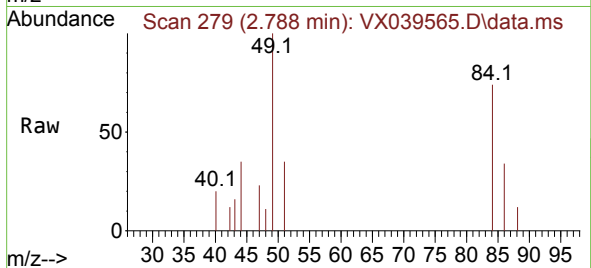
Lab File: VX039565.D

Acq: 02 Jan 2024 12:29

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 84 Resp: 1045

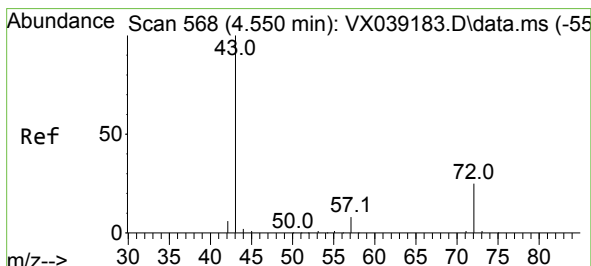
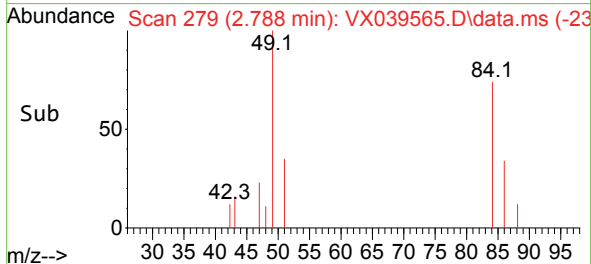
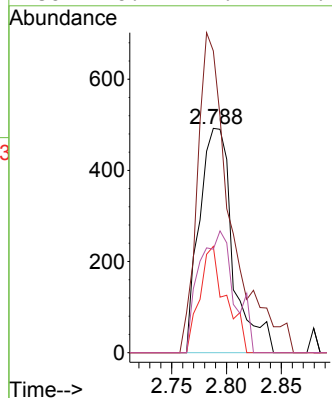
Ion Ratio Lower Upper

84 100

49 134.6 103.6 155.4

51 47.4 33.8 50.6

86 46.1 49.4 74.0#



#25

2-Butanone

Concen: 0.734 ug/l

RT: 4.592 min Scan# 575

Delta R.T. 0.043 min

Lab File: VX039565.D

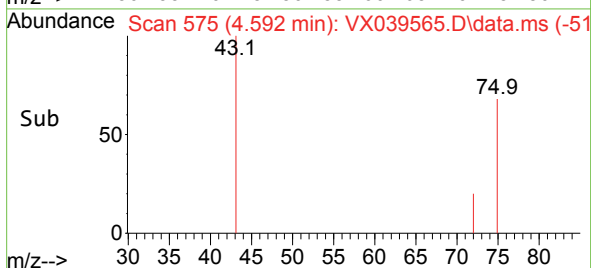
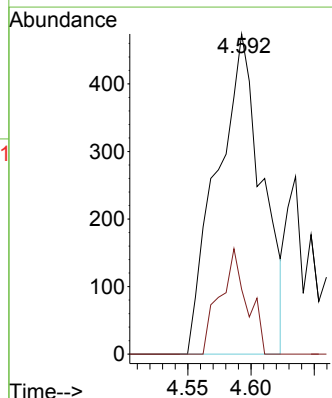
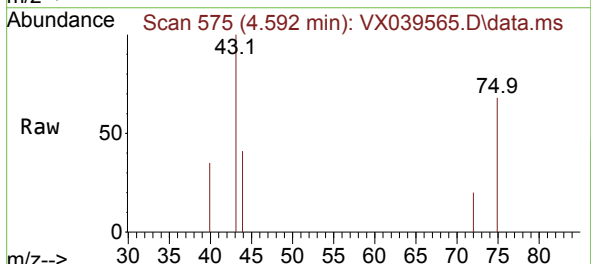
Acq: 02 Jan 2024 12:29

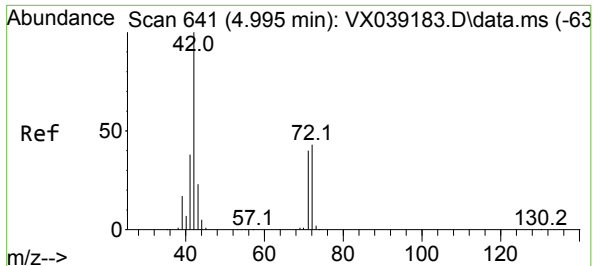
Tgt Ion: 43 Resp: 1173

Ion Ratio Lower Upper

43 100

72 20.3 19.4 29.2





#29

Tetrahydrofuran

Concen: 3.342 ug/l

RT: 5.019 min Scan# 641

Delta R.T. 0.025 min

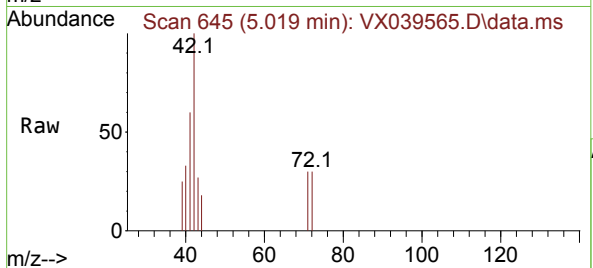
Lab File: VX039565.D

Acq: 02 Jan 2024 12:29

Instrument :

MSVOA_X

ClientSampleId :



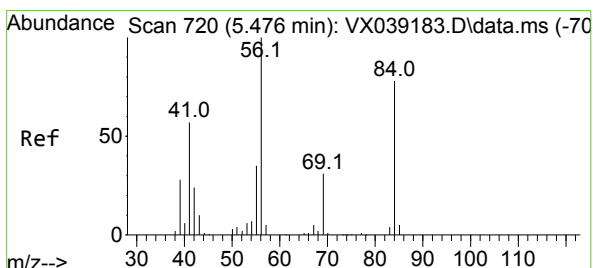
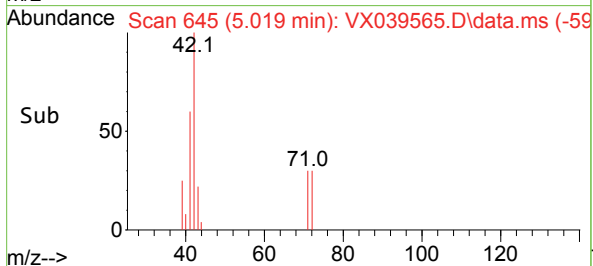
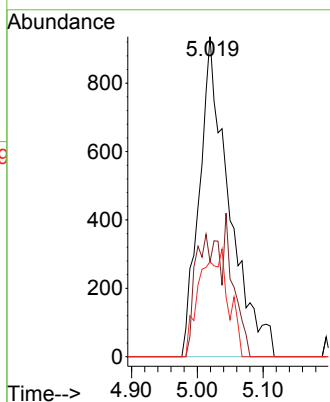
Tgt Ion: 42 Resp: 2949

Ion Ratio Lower Upper

42 100

72 30.5 34.2 51.4#

71 0.0 32.2 48.2#



#31

Cyclohexane

Concen: 0.408 ug/l

RT: 5.476 min Scan# 720

Delta R.T. 0.000 min

Lab File: VX039565.D

Acq: 02 Jan 2024 12:29

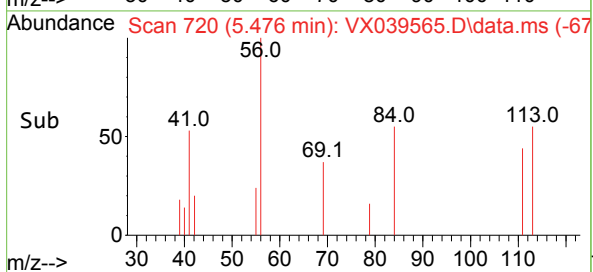
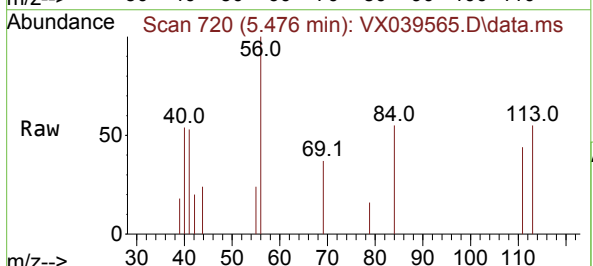
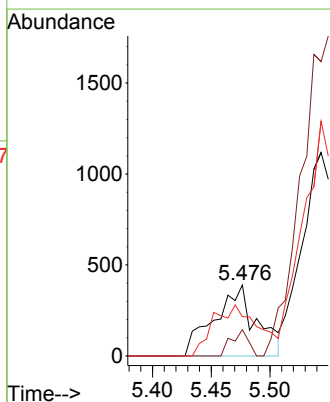
Tgt Ion: 56 Resp: 975

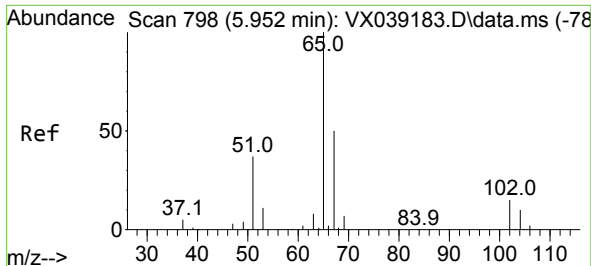
Ion Ratio Lower Upper

56 100

69 36.9 23.4 35.2#

84 55.1 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 46.809 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX039565.D

Acq: 02 Jan 2024 12:29

Instrument :

MSVOA_X

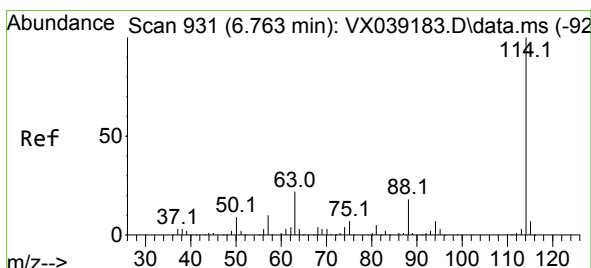
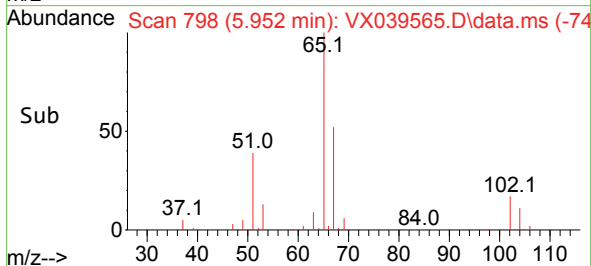
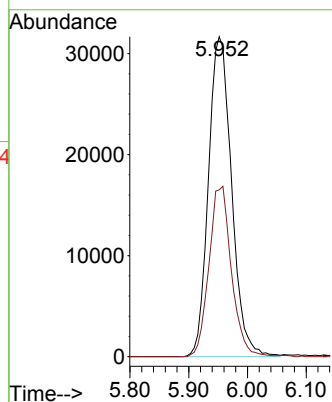
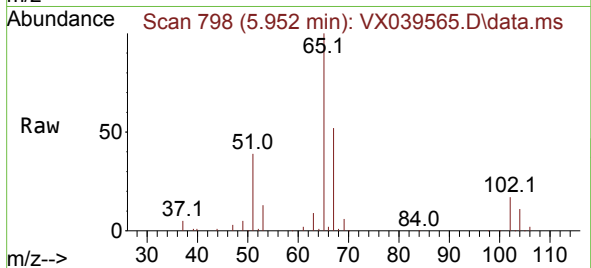
ClientSampleId :

Tgt Ion: 65 Resp: 86676

Ion Ratio Lower Upper

65 100

67 51.6 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.006 min

Lab File: VX039565.D

Acq: 02 Jan 2024 12:29

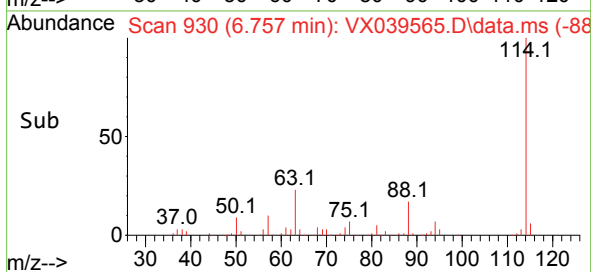
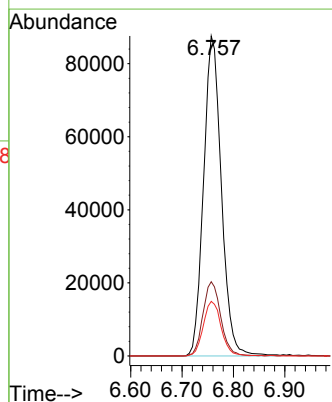
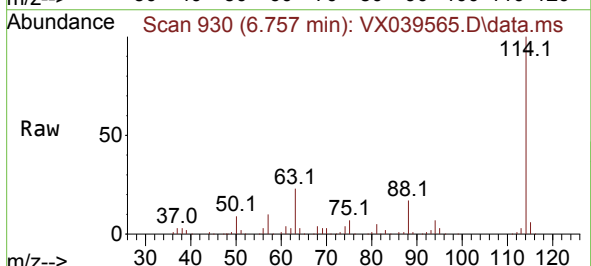
Tgt Ion: 114 Resp: 210669

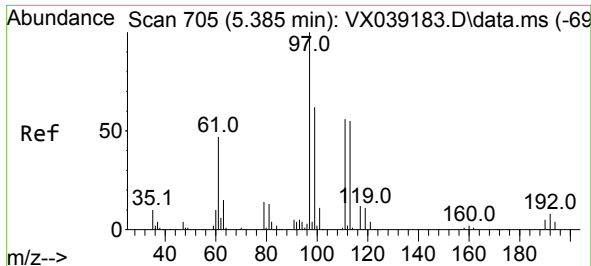
Ion Ratio Lower Upper

114 100

63 23.2 0.0 45.0

88 17.0 0.0 36.6

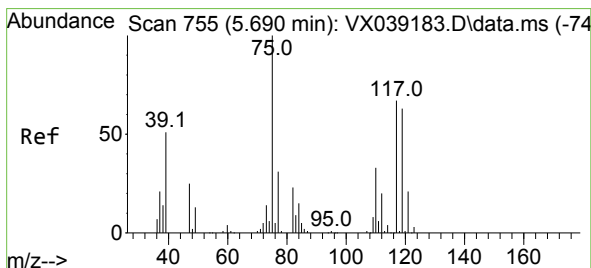
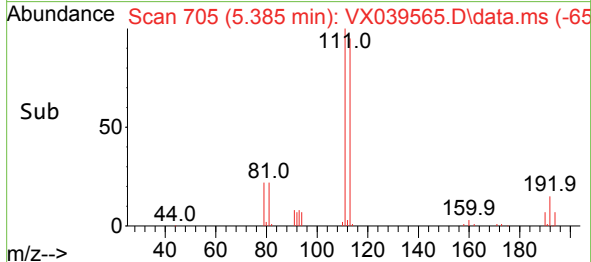
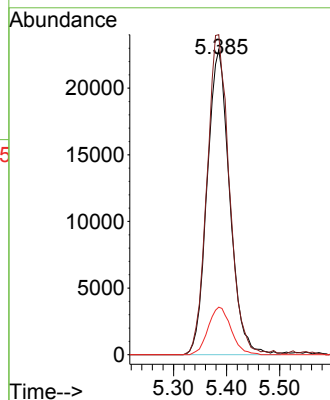
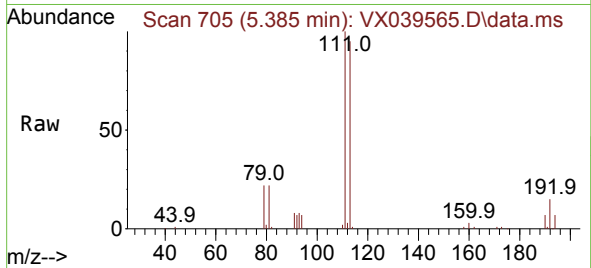




#35
Dibromofluoromethane
Concen: 46.349 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX039565.D
Acq: 02 Jan 2024 12:29

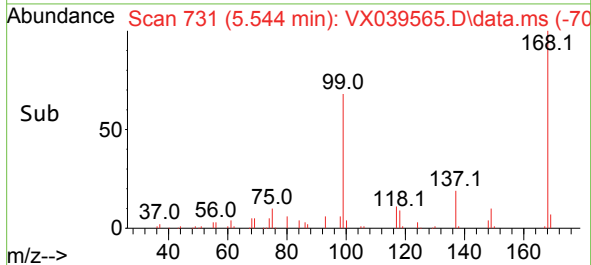
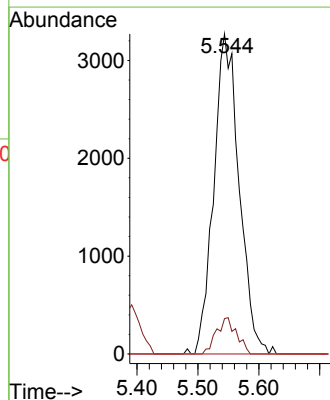
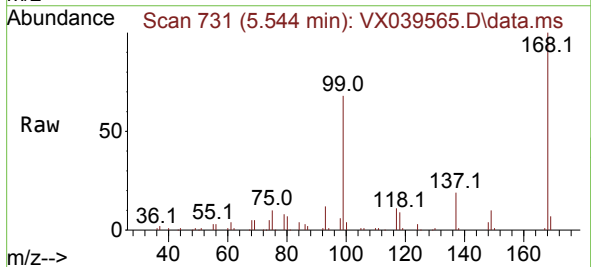
Instrument :
MSVOA_X
ClientSampleId :

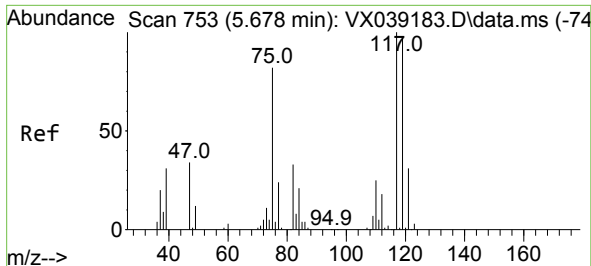
Tgt Ion:113 Resp: 67457
Ion Ratio Lower Upper
113 100
111 104.3 82.9 124.3
192 15.8 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.126 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.146 min
Lab File: VX039565.D
Acq: 02 Jan 2024 12:29

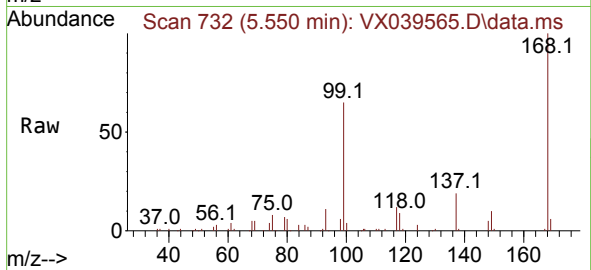
Tgt Ion: 75 Resp: 9476
Ion Ratio Lower Upper
75 100
110 9.0 17.0 50.9#
77 0.0 24.7 37.1#



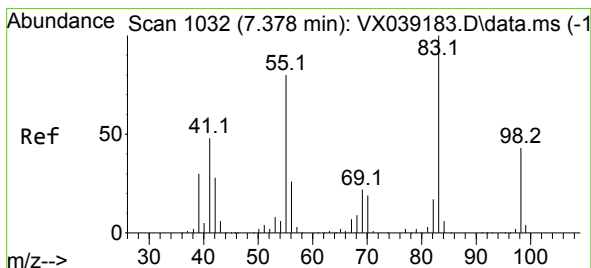
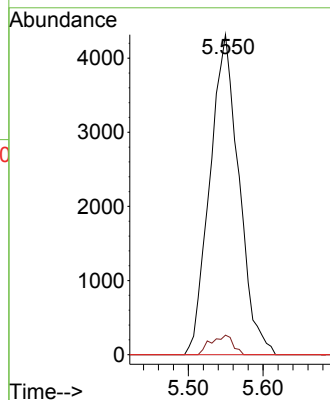
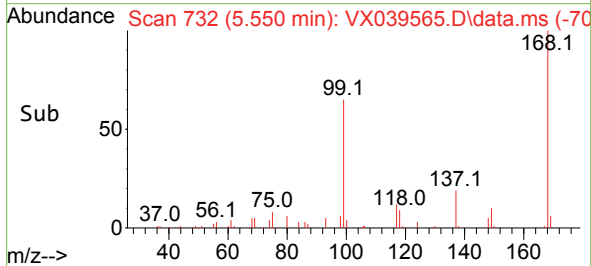


#38
Carbon Tetrachloride
Concen: 5.335 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX039565.D
Acq: 02 Jan 2024 12:29

Instrument :
MSVOA_X
ClientSampleId :

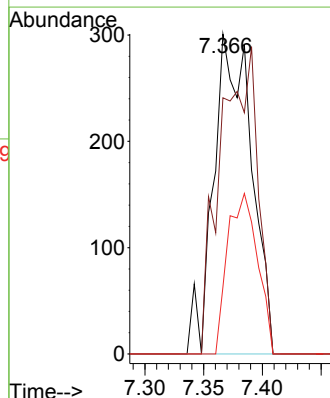
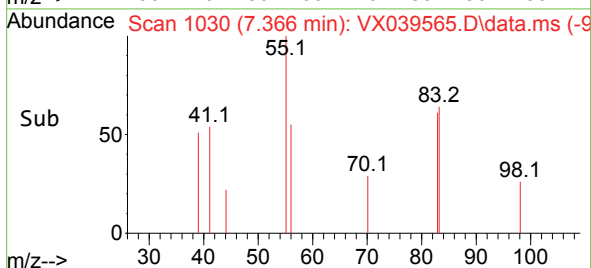
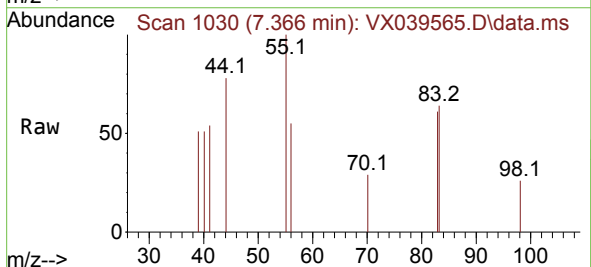


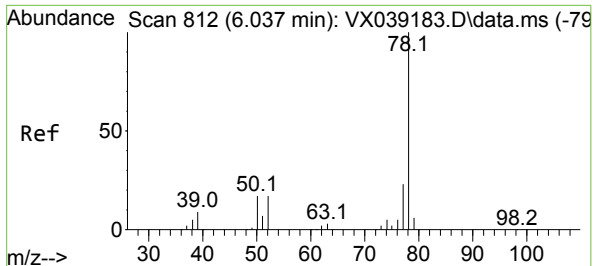
Tgt Ion:117 Resp: 11693
Ion Ratio Lower Upper
117 100
119 6.1 78.2 117.2#
121 0.0 24.4 36.6#



#39
Methylcyclohexane
Concen: 0.244 ug/l
RT: 7.366 min Scan# 1030
Delta R.T. -0.012 min
Lab File: VX039565.D
Acq: 02 Jan 2024 12:29

Tgt Ion: 83 Resp: 674
Ion Ratio Lower Upper
83 100
55 80.1 64.6 97.0
98 20.9 36.7 55.1#

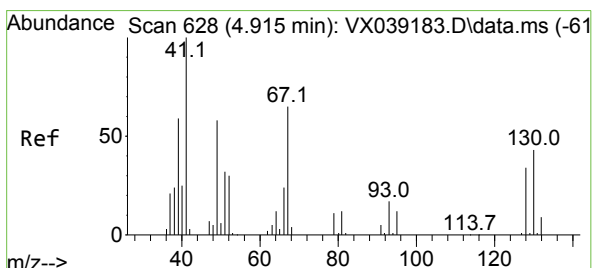
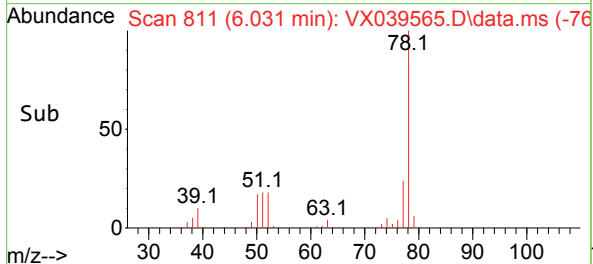
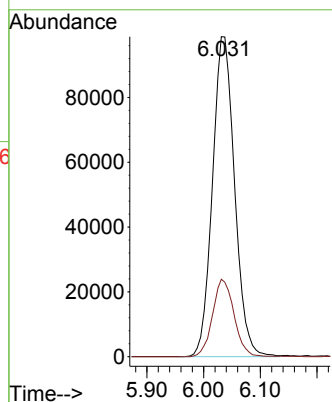
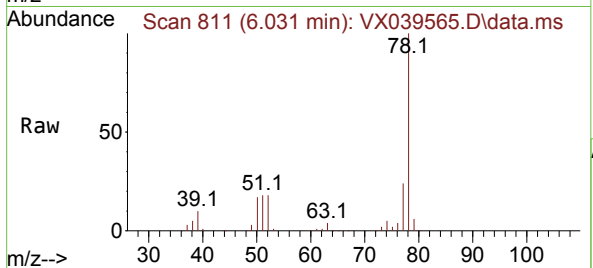




#40
Benzene
Concen: 41.223 ug/l
RT: 6.031 min Scan# 812
Delta R.T. -0.006 min
Lab File: VX039565.D
Acq: 02 Jan 2024 12:29

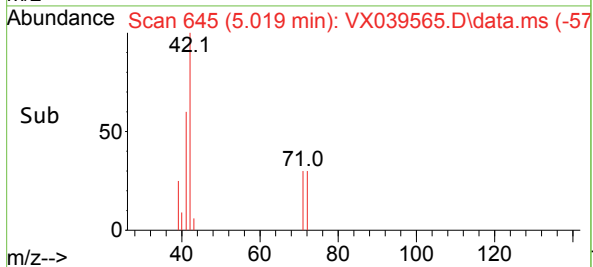
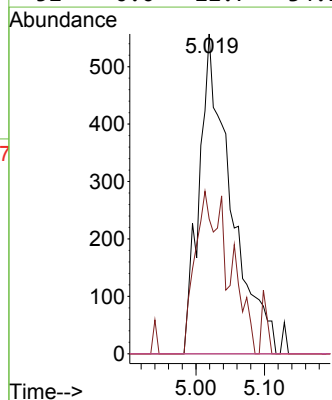
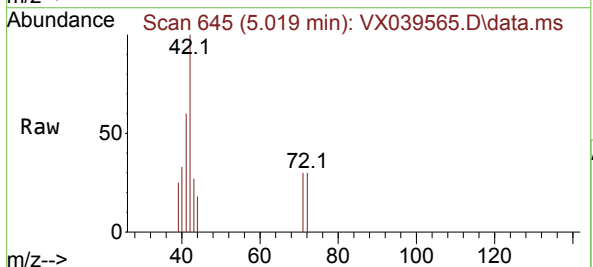
Instrument :
MSVOA_X
ClientSampleId :

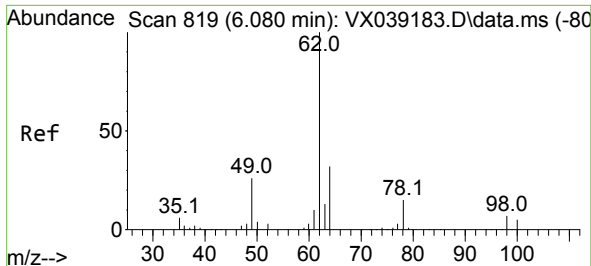
Tgt Ion: 78 Resp: 267815
Ion Ratio Lower Upper
78 100
77 24.2 19.3 28.9



#41
Methacrylonitrile
Concen: 1.184 ug/l
RT: 5.019 min Scan# 645
Delta R.T. 0.104 min
Lab File: VX039565.D
Acq: 02 Jan 2024 12:29

Tgt Ion: 41 Resp: 1792
Ion Ratio Lower Upper
41 100
39 43.2 45.2 67.8#
67 0.0 52.6 78.8#
52 0.0 22.7 34.1#





#42

1,2-Dichloroethane

Concen: 0.997 ug/l

RT: 6.025 min Scan# 81

Delta R.T. -0.055 min

Lab File: VX039565.D

Acq: 02 Jan 2024 12:29

Instrument :

MSVOA_X

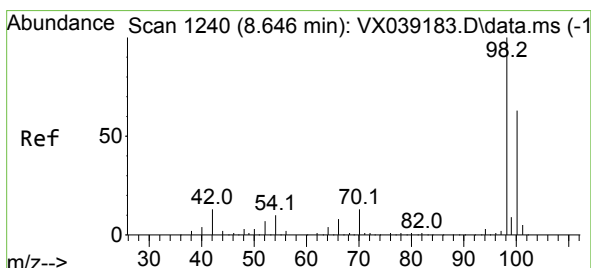
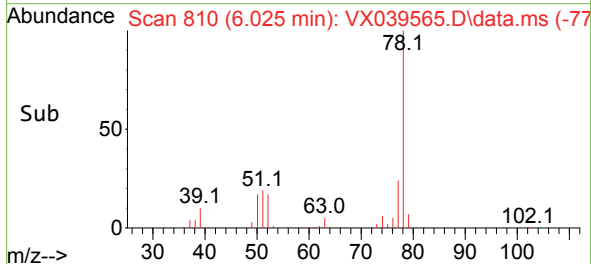
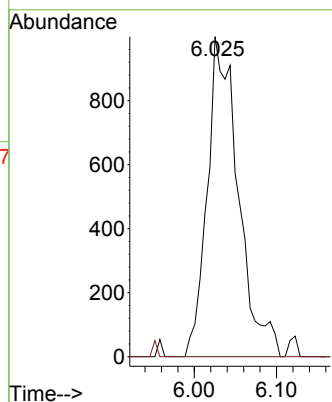
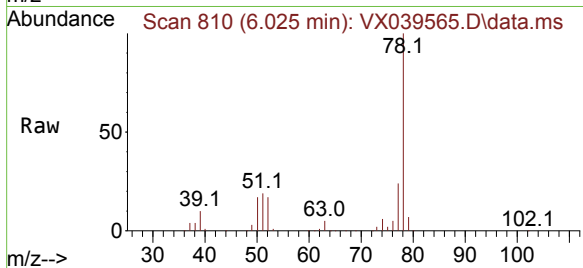
ClientSampleId :

Tgt Ion: 62 Resp: 2622

Ion Ratio Lower Upper

62 100

98 0.0 0.0 16.0



#50

Toluene-d8

Concen: 48.721 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX039565.D

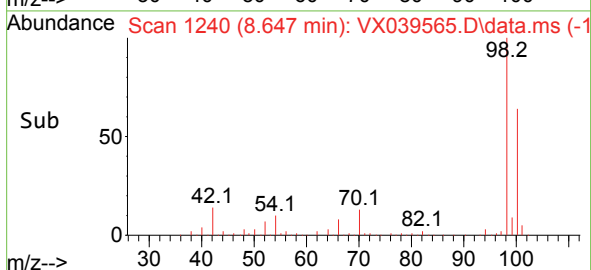
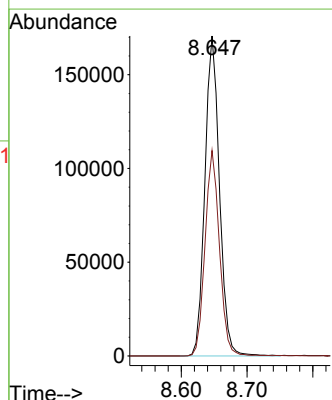
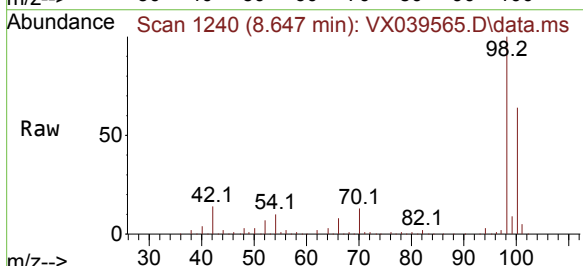
Acq: 02 Jan 2024 12:29

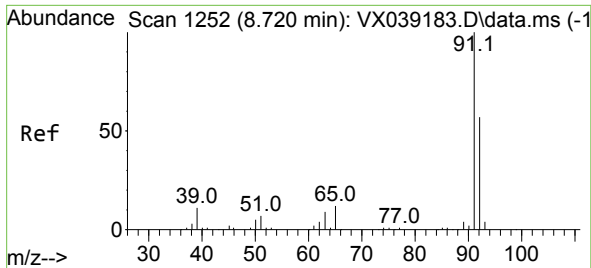
Tgt Ion: 98 Resp: 263251

Ion Ratio Lower Upper

98 100

100 63.5 53.1 79.7

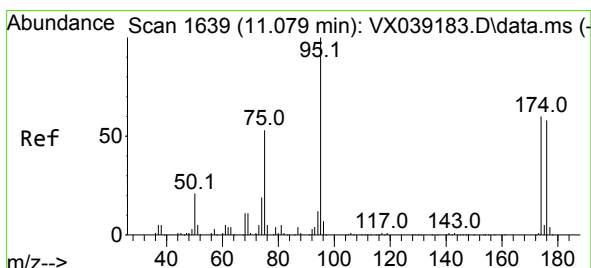
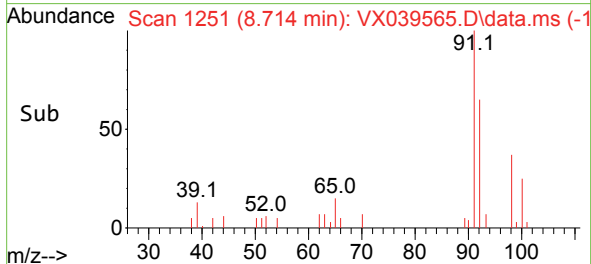
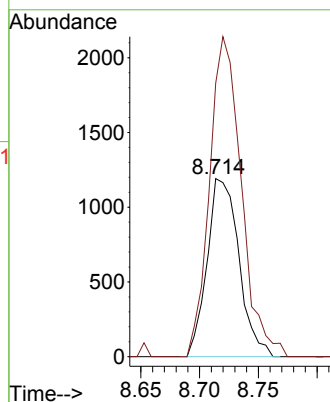
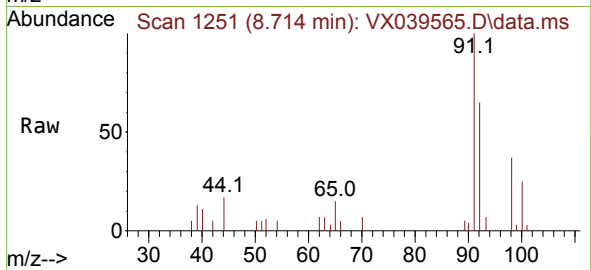




#52
Toluene
Concen: 0.572 ug/l
RT: 8.714 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX039565.D
Acq: 02 Jan 2024 12:29

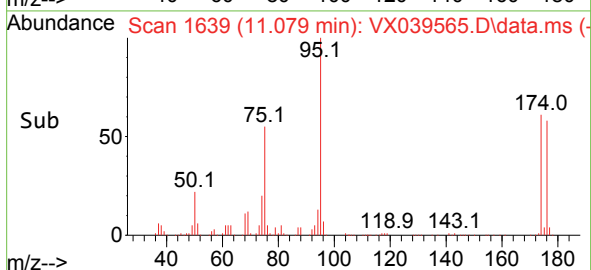
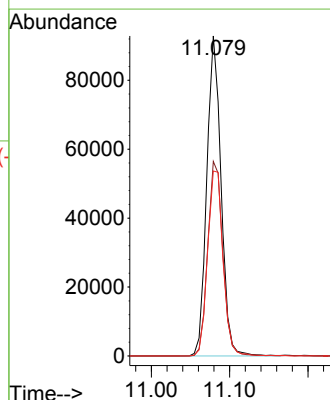
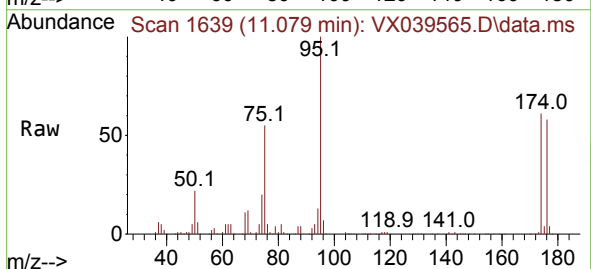
Instrument :
MSVOA_X
ClientSampleId :

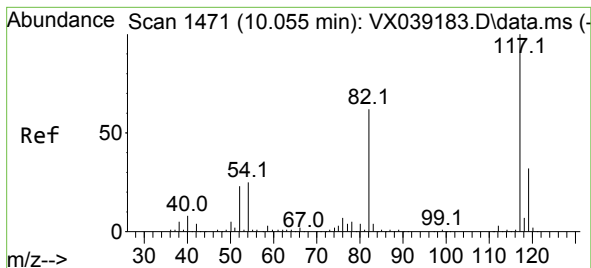
Tgt Ion: 92 Resp: 2242
Ion Ratio Lower Upper
92 100
91 179.9 134.2 201.2



#62
4-Bromofluorobenzene
Concen: 52.660 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX039565.D
Acq: 02 Jan 2024 12:29

Tgt Ion: 95 Resp: 117398
Ion Ratio Lower Upper
95 100
174 64.1 0.0 135.6
176 62.5 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: VX039565.D

Acq: 02 Jan 2024 12:29

Instrument :

MSVOA_X

ClientSampleId :

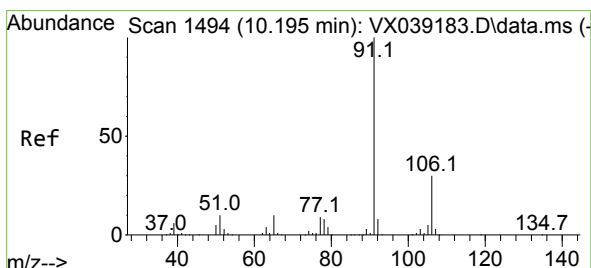
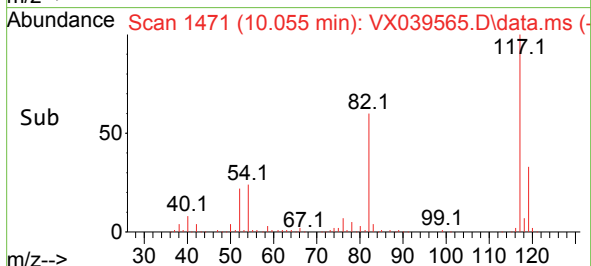
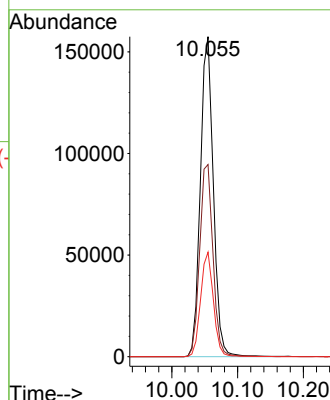
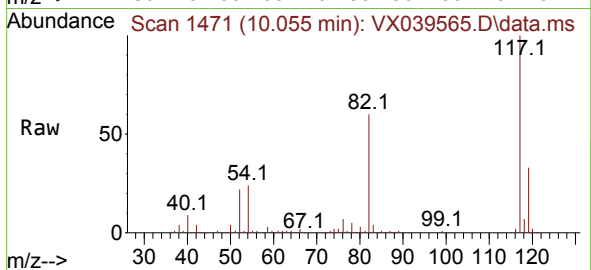
Tgt Ion:117 Resp: 215455

Ion Ratio Lower Upper

117 100

82 60.1 46.2 69.4

119 32.7 25.5 38.3



#67

Ethyl Benzene

Concen: 23.099 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX039565.D

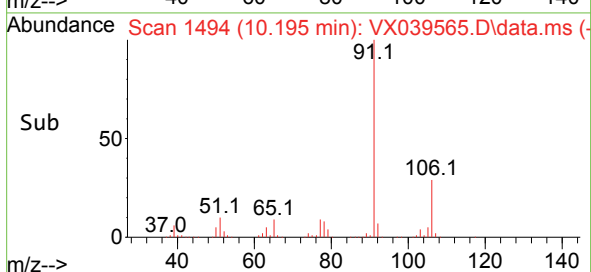
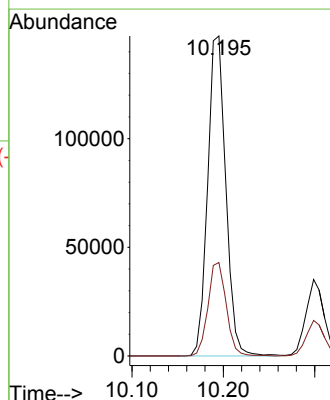
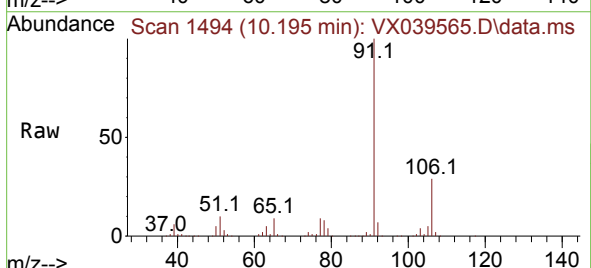
Acq: 02 Jan 2024 12:29

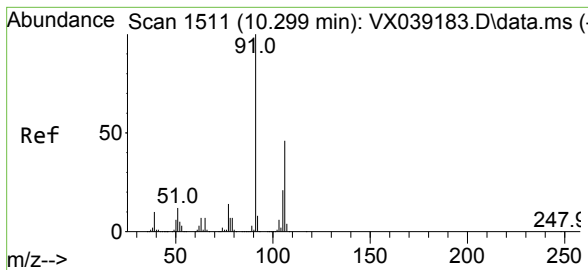
Tgt Ion: 91 Resp: 202202

Ion Ratio Lower Upper

91 100

106 29.2 24.9 37.3

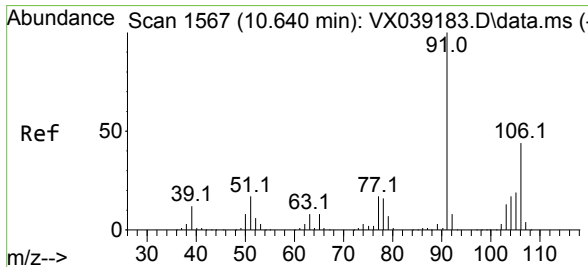
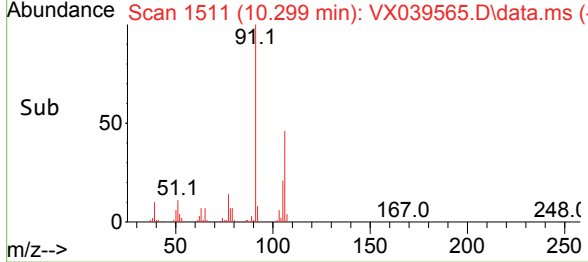
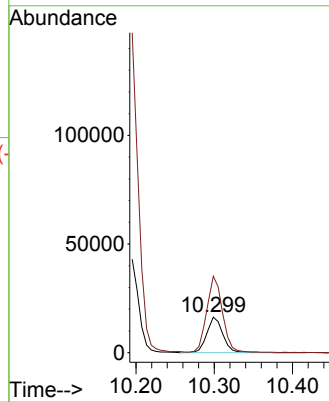
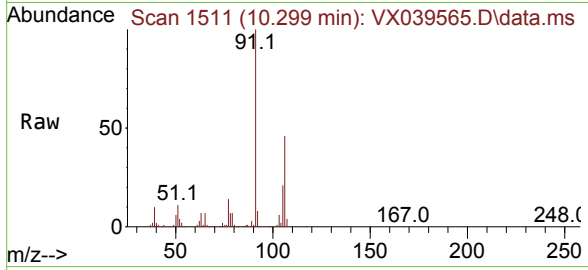




#68
m/p-Xylenes
Concen: 7.363 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX039565.D
Acq: 02 Jan 2024 12:29

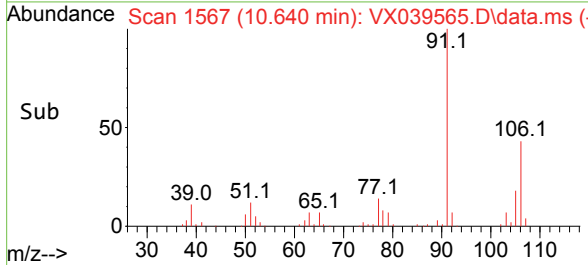
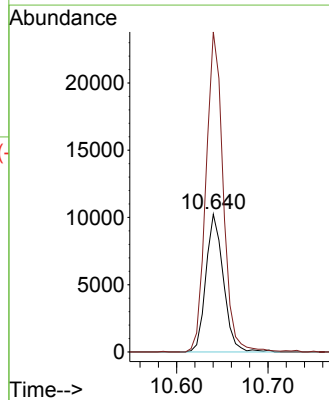
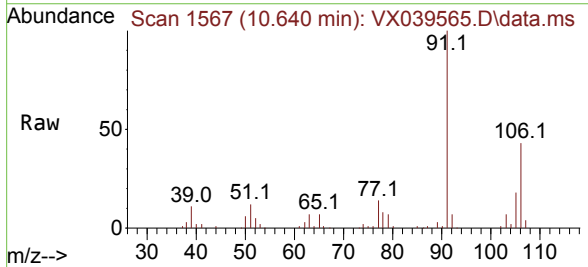
Instrument :
MSVOA_X
ClientSampleId :

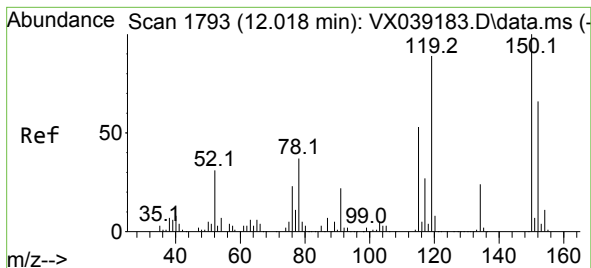
Tgt Ion:106 Resp: 23109
Ion Ratio Lower Upper
106 100
91 212.5 165.5 248.3



#69
o-Xylene
Concen: 4.500 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX039565.D
Acq: 02 Jan 2024 12:29

Tgt Ion:106 Resp: 13657
Ion Ratio Lower Upper
106 100
91 227.5 108.9 326.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX039565.D

Acq: 02 Jan 2024 12:29

Instrument :

MSVOA_X

ClientSampleId :

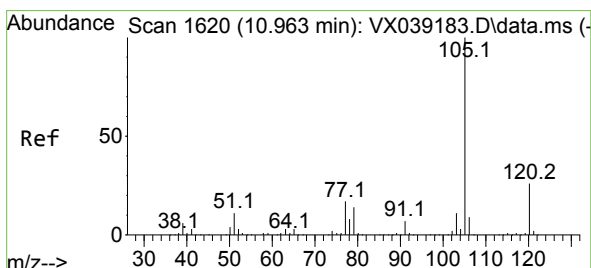
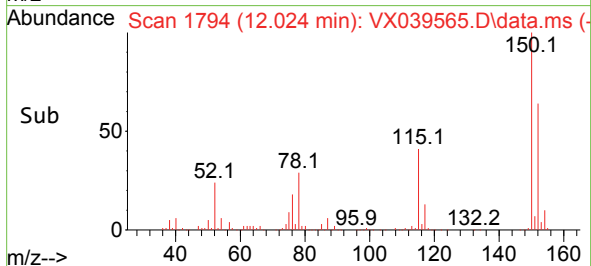
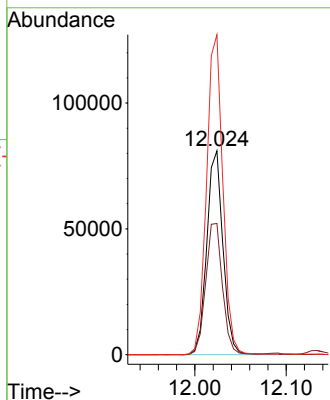
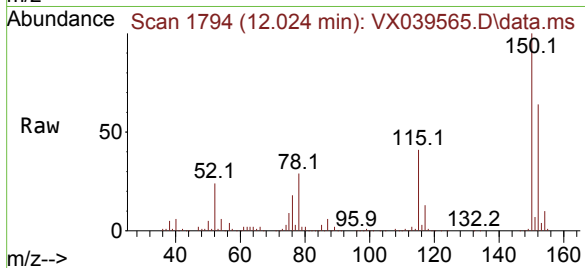
Tgt Ion:152 Resp: 99423

Ion Ratio Lower Upper

152 100

115 66.9 43.3 129.9

150 157.7 0.0 345.0



#73

Isopropylbenzene

Concen: 1.495 ug/l

RT: 10.963 min Scan# 1620

Delta R.T. 0.000 min

Lab File: VX039565.D

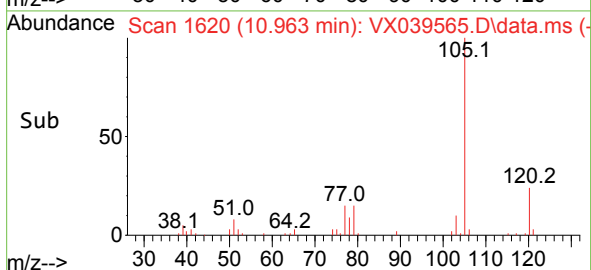
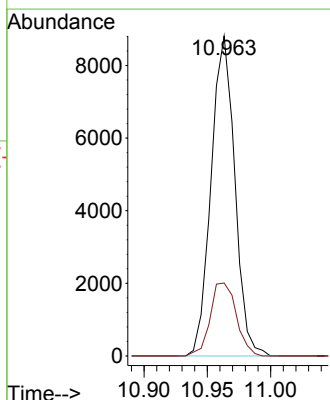
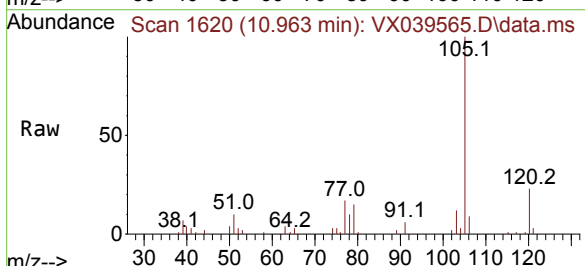
Acq: 02 Jan 2024 12:29

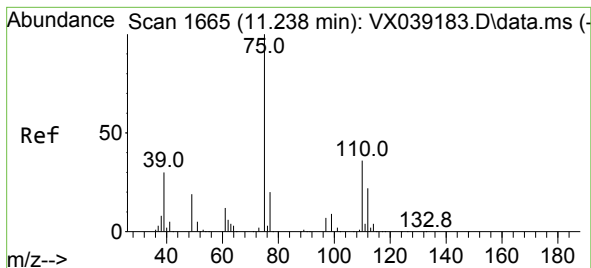
Tgt Ion:105 Resp: 11469

Ion Ratio Lower Upper

105 100

120 25.2 12.9 38.6





#76

1,2,3-Trichloropropane

Concen: 25.271 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX039565.D

Acq: 02 Jan 2024 12:29

Instrument :

MSVOA_X

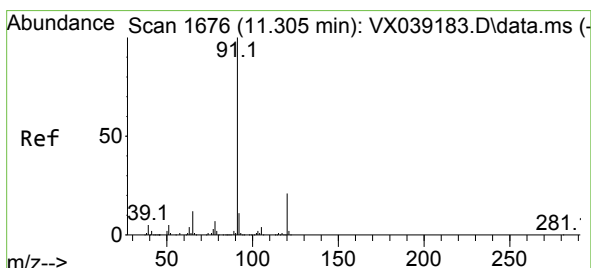
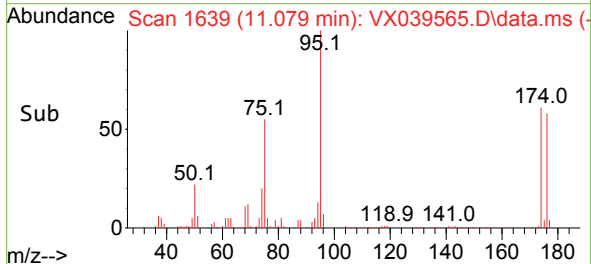
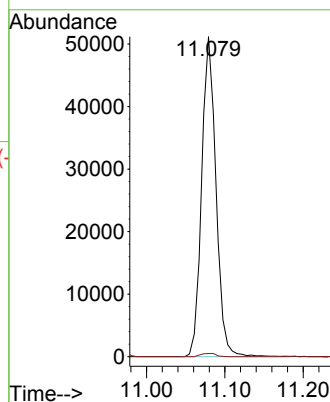
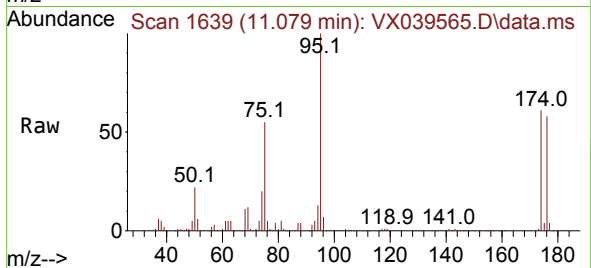
ClientSampleId :

Tgt Ion: 75 Resp: 65004

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#



#78

n-propylbenzene

Concen: 0.421 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. 0.000 min

Lab File: VX039565.D

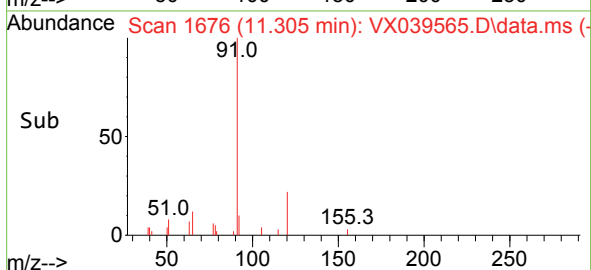
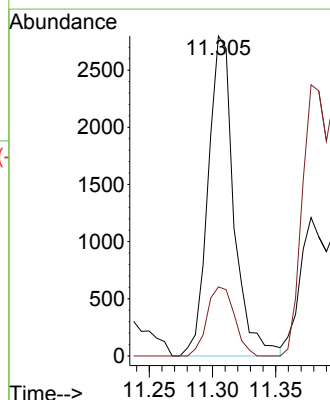
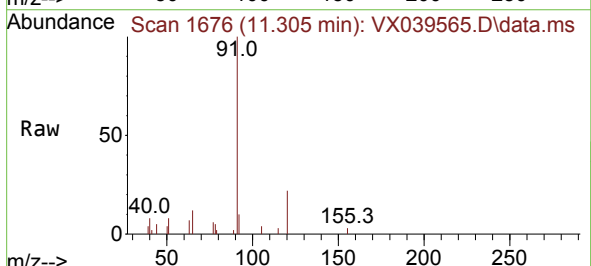
Acq: 02 Jan 2024 12:29

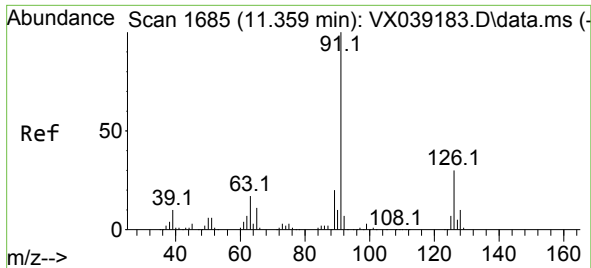
Tgt Ion: 91 Resp: 3980

Ion Ratio Lower Upper

91 100

120 22.9 11.5 34.4

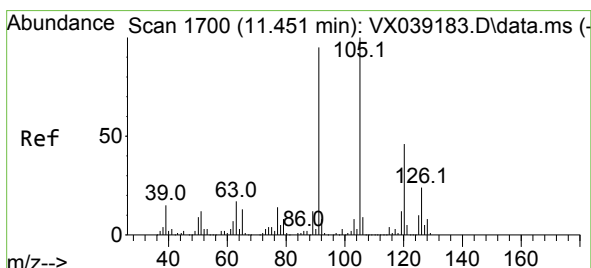
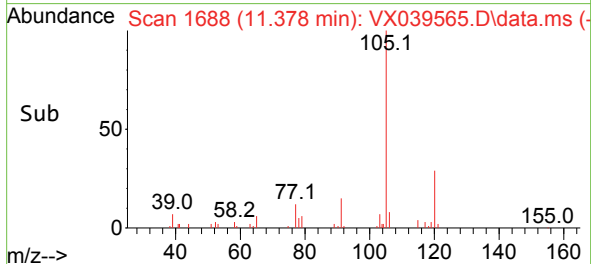
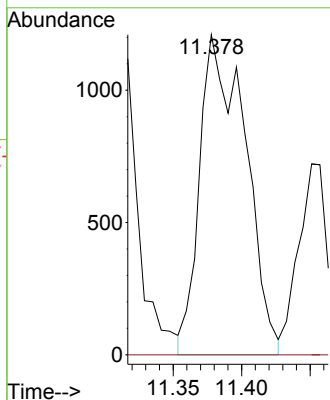
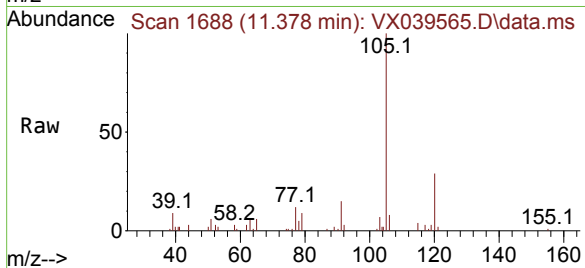




#79
2-Chlorotoluene
Concen: 0.489 ug/l
RT: 11.378 min Scan# 11
Delta R.T. 0.018 min
Lab File: VX039565.D
Acq: 02 Jan 2024 12:29

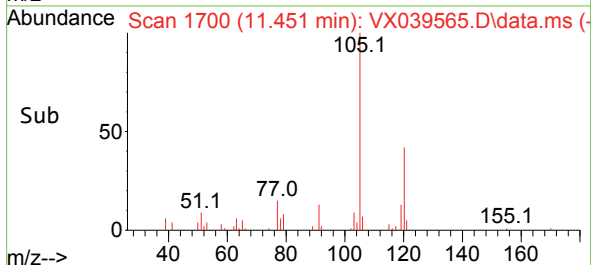
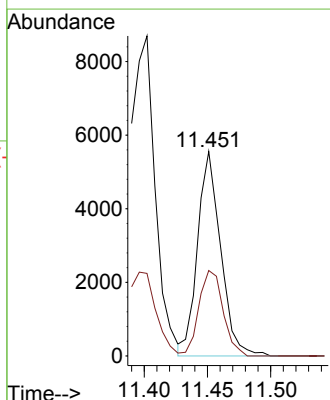
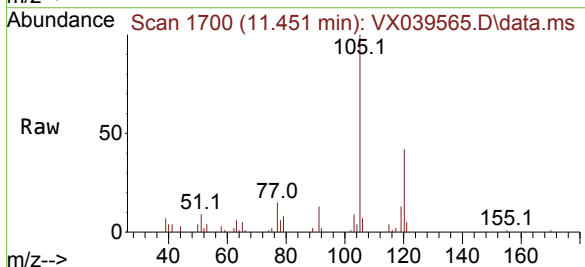
Instrument :
MSVOA_X
ClientSampleId :

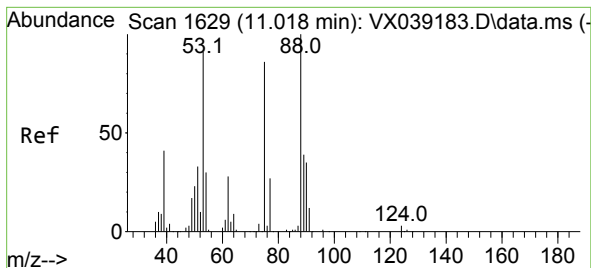
Tgt Ion: 91 Resp: 2796
Ion Ratio Lower Upper
91 100
126 0.0 16.3 48.8#



#80
1,3,5-Trimethylbenzene
Concen: 1.082 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX039565.D
Acq: 02 Jan 2024 12:29

Tgt Ion: 105 Resp: 7071
Ion Ratio Lower Upper
105 100
120 43.7 24.1 72.3

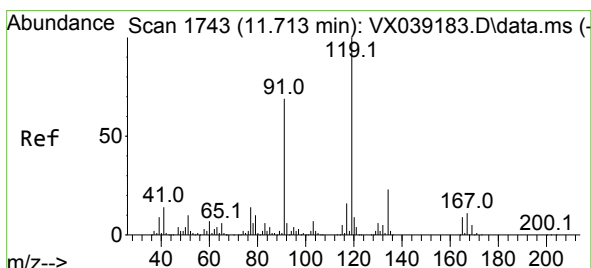
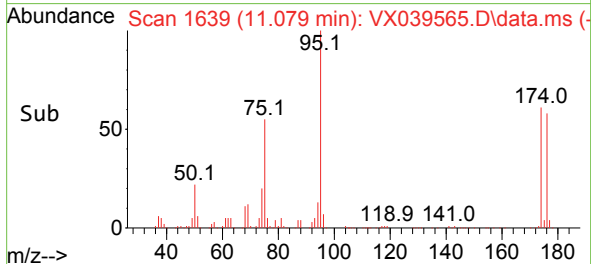
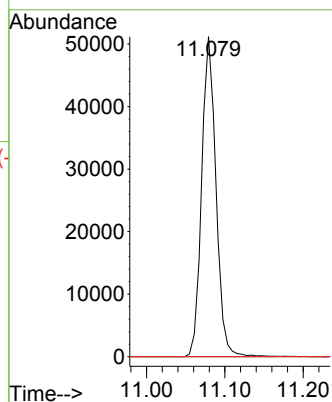
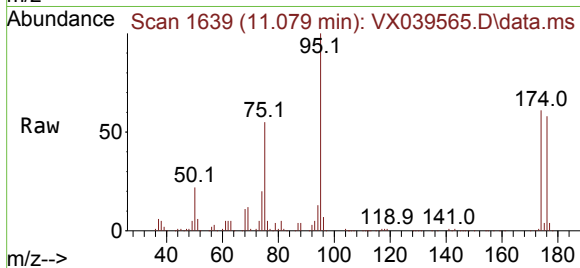




#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.290 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. 0.061 min
 Lab File: VX039565.D
 Acq: 02 Jan 2024 12:29

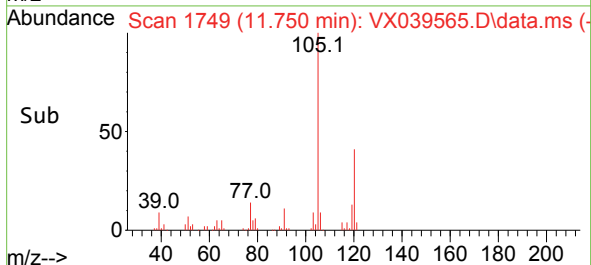
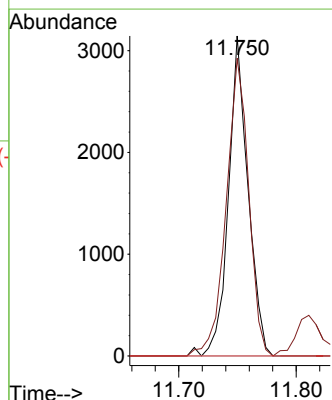
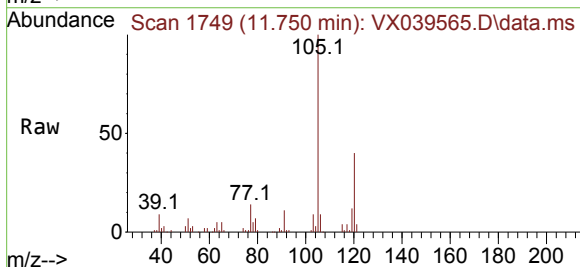
Instrument :
 MSVOA_X
 ClientSampleId :

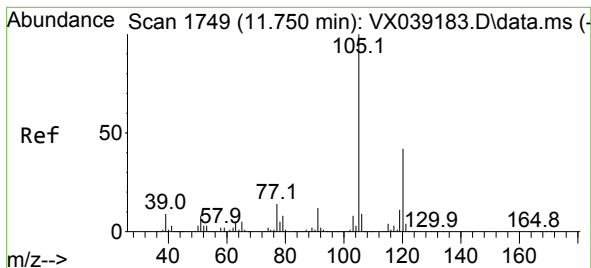
Tgt Ion: 75 Resp: 65004
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#



#83
 tert-Butylbenzene
 Concen: 0.587 ug/l
 RT: 11.750 min Scan# 1749
 Delta R.T. 0.037 min
 Lab File: VX039565.D
 Acq: 02 Jan 2024 12:29

Tgt Ion: 119 Resp: 3653
 Ion Ratio Lower Upper
 119 100
 91 106.4 31.2 93.6#
 134 0.0 11.7 35.0#





#84

1,2,4-Trimethylbenzene

Concen: 4.842 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX039565.D

Acq: 02 Jan 2024 12:29

Instrument :

MSVOA_X

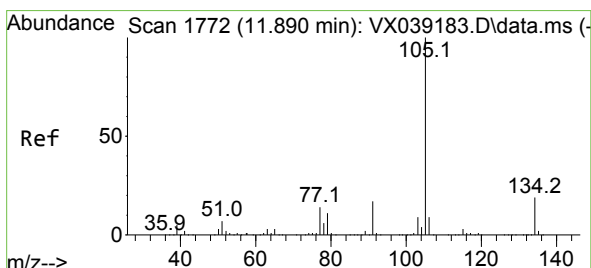
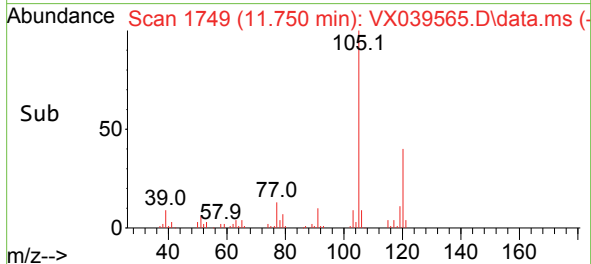
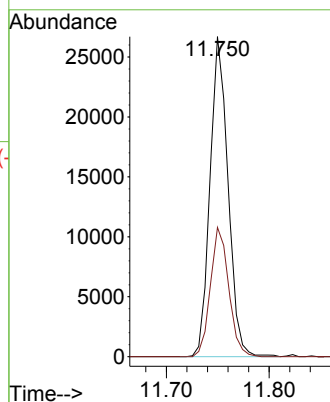
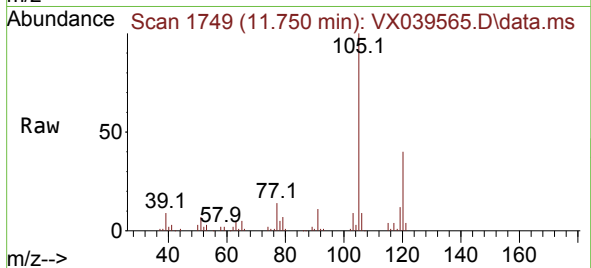
ClientSampleId :

Tgt Ion:105 Resp: 32446

Ion Ratio Lower Upper

105 100

120 41.2 21.2 63.6



#85

sec-Butylbenzene

Concen: 4.100 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.140 min

Lab File: VX039565.D

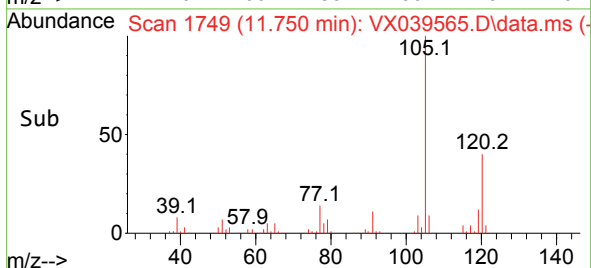
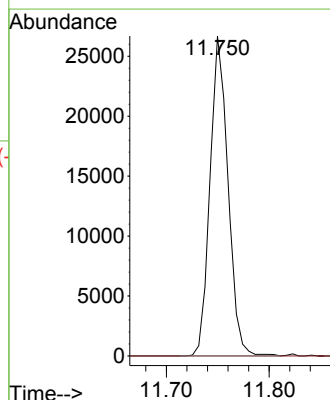
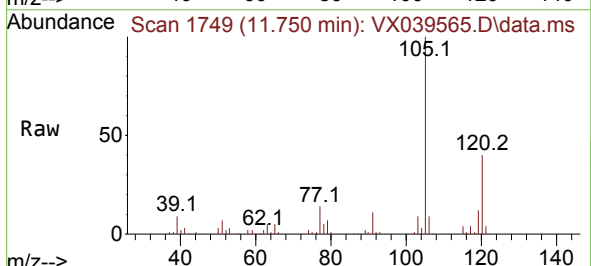
Acq: 02 Jan 2024 12:29

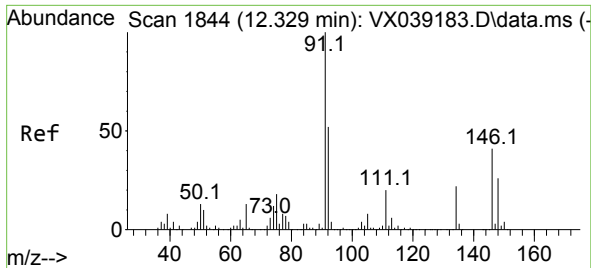
Tgt Ion:105 Resp: 32446

Ion Ratio Lower Upper

105 100

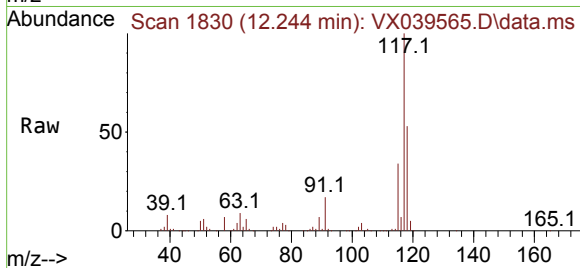
134 0.0 9.8 29.4#



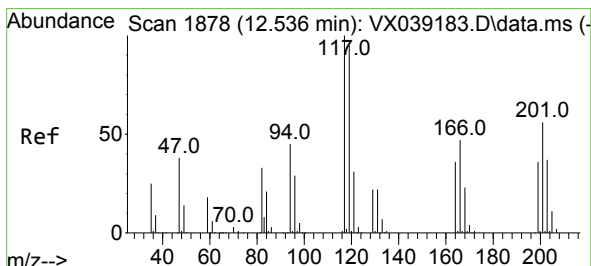
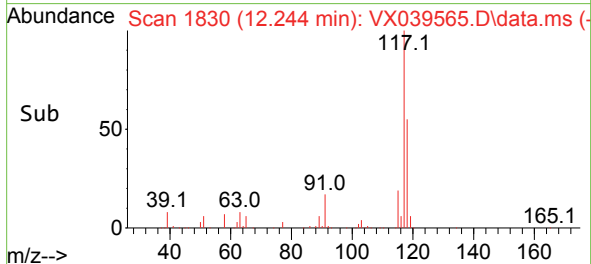
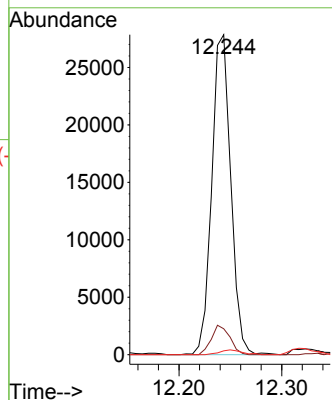


#89
n-Butylbenzene
Concen: 5.475 ug/l
RT: 12.244 min Scan# 11
Delta R.T. -0.085 min
Lab File: VX039565.D
Acq: 02 Jan 2024 12:29

Instrument :
MSVOA_X
ClientSampleId :

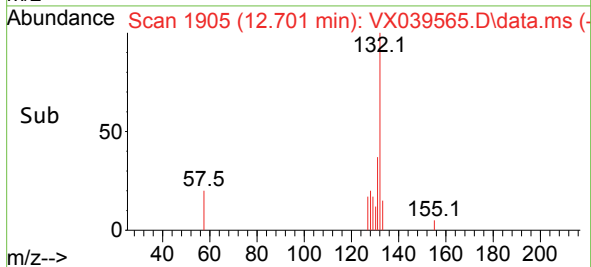
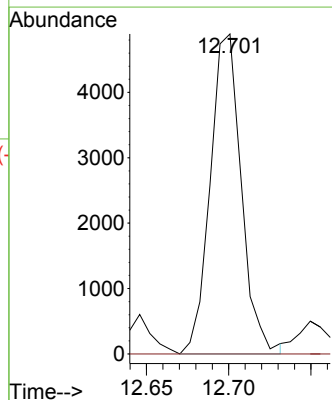
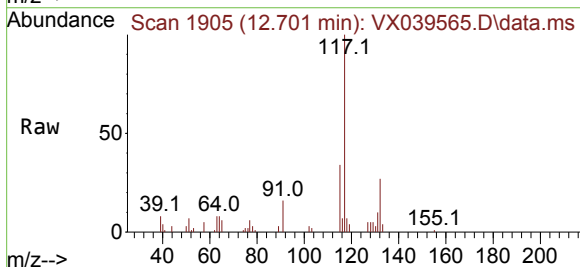


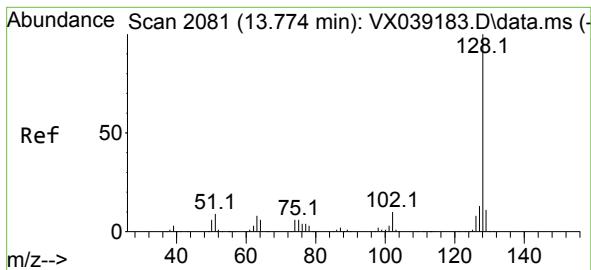
Tgt Ion: 91 Resp: 35749
Ion Ratio Lower Upper
91 100
92 8.9 27.4 82.0#
134 1.7 12.6 37.8#



#90
Hexachloroethane
Concen: 5.365 ug/l
RT: 12.701 min Scan# 1905
Delta R.T. 0.165 min
Lab File: VX039565.D
Acq: 02 Jan 2024 12:29

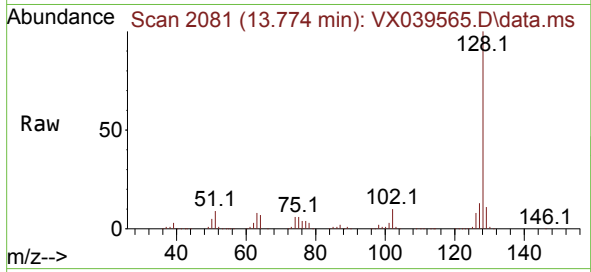
Tgt Ion: 117 Resp: 6436
Ion Ratio Lower Upper
117 100
201 0.0 32.9 98.6#





#95
Naphthalene
Concen: 120.172 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX039565.D
Acq: 02 Jan 2024 12:29

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:128 Resp: 873807
Ion Ratio Lower Upper
128 100
127 13.1 10.3 15.5
129 10.9 8.8 13.2

