

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX010324\
 Data File : VX039604.D
 Acq On : 03 Jan 2024 15:59
 Operator : JC/MD
 Sample : P1002-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 1216

Quant Time: Jan 04 03:33:48 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)

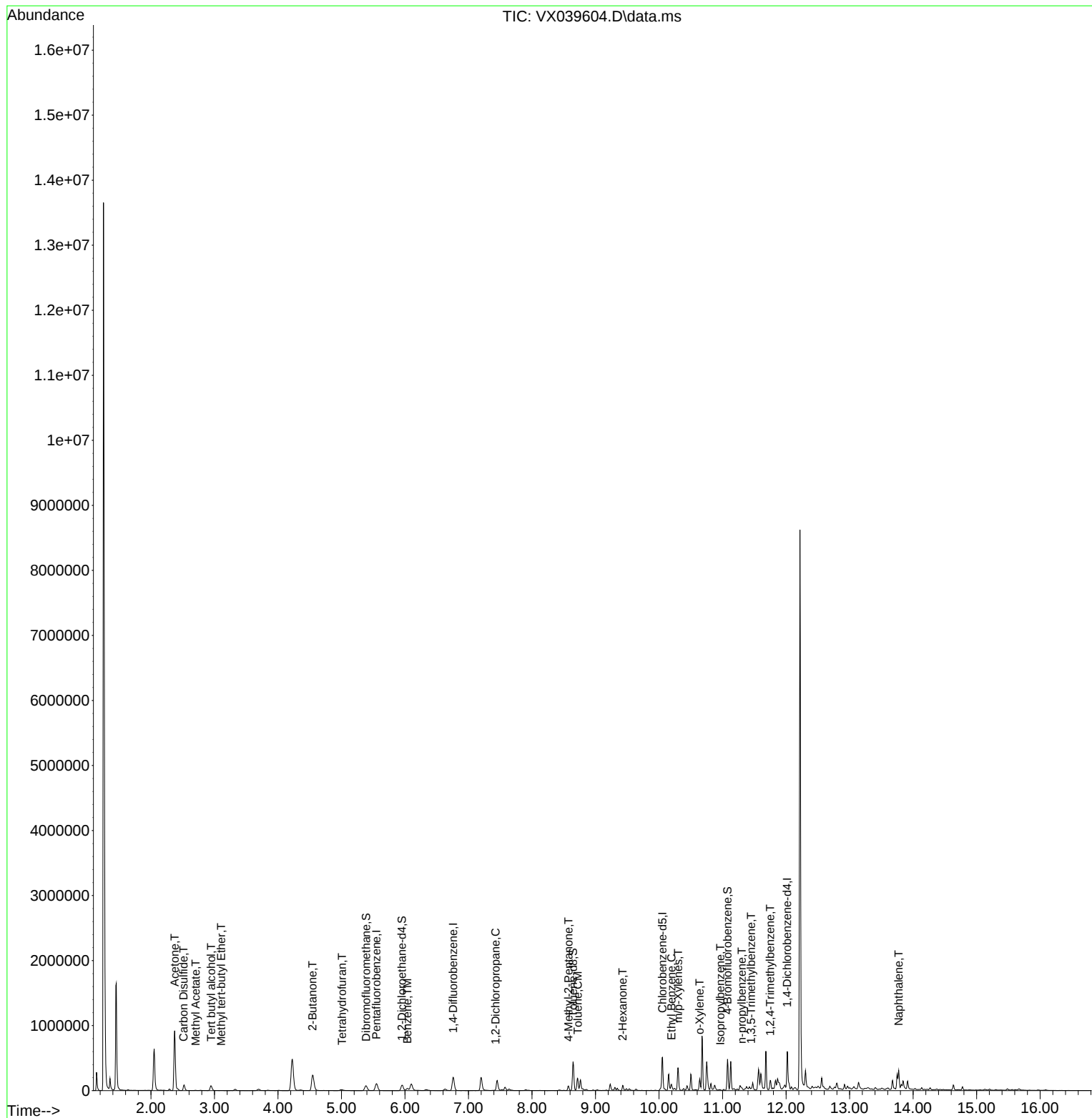
Internal Standards						
1) Pentafluorobenzene	5.550	168	93435	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	200996	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	221627	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	108994	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	83040	48.514	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	97.020%
35) Dibromofluoromethane	5.385	113	66251	47.711	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.420%
50) Toluene-d8	8.647	98	259597	50.357	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	100.720%
62) 4-Bromofluorobenzene	11.079	95	122373	57.533	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	115.060%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.947	59	88820	206.641	ug/l #	92
16) Acetone	2.374	43	955529	1062.495	ug/l	94
17) Carbon Disulfide	2.514	76	28940	8.231	ug/l	100
18) Methyl Acetate	2.703	43	6717	1.814	ug/l	98
19) Methyl tert-butyl Ether	3.105	73	1373	0.316	ug/l #	76
25) 2-Butanone	4.544	43	426622	288.837	ug/l	100
29) Tetrahydrofuran	5.007	42	5573	6.832	ug/l	94
40) Benzene	6.038	78	40873	6.594	ug/l	100
45) 1,2-Dichloropropane	7.428	63	927	0.557	ug/l	95
51) 4-Methyl-2-Pentanone	8.574	43	43541	15.523	ug/l	99
52) Toluene	8.720	92	63949	17.093	ug/l	95
59) 2-Hexanone	9.427	43	44128	18.229	ug/l	100
67) Ethyl Benzene	10.195	91	47515	5.277	ug/l	100
68) m/p-Xylenes	10.299	106	74610	23.109	ug/l	100
69) o-Xylene	10.640	106	31324	10.035	ug/l	87
73) Isopropylbenzene	10.963	105	2351	0.280	ug/l	94
78) n-propylbenzene	11.305	91	7824	0.755	ug/l	95
80) 1,3,5-Trimethylbenzene	11.451	105	9665	1.349	ug/l	93
84) 1,2,4-Trimethylbenzene	11.750	105	46649	6.350	ug/l	100
95) Naphthalene	13.774	128	144705	18.153	ug/l	100

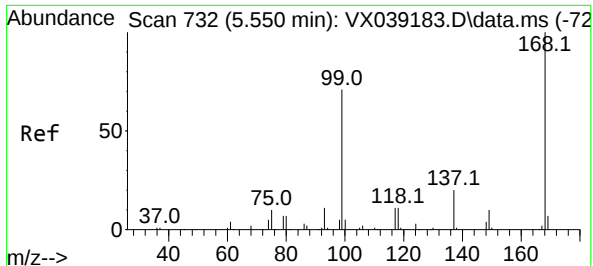
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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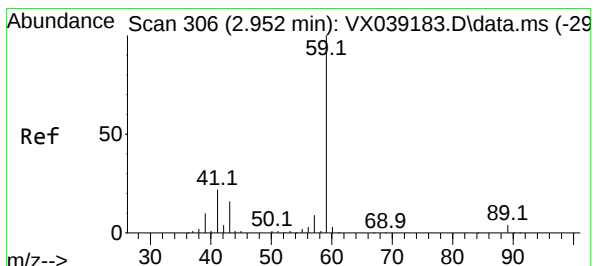
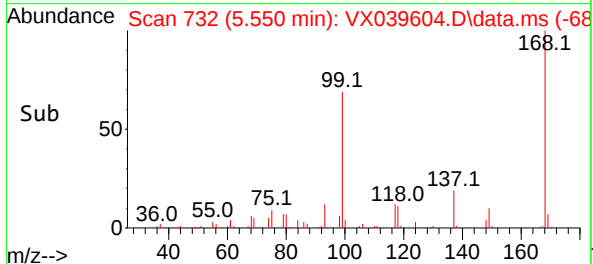
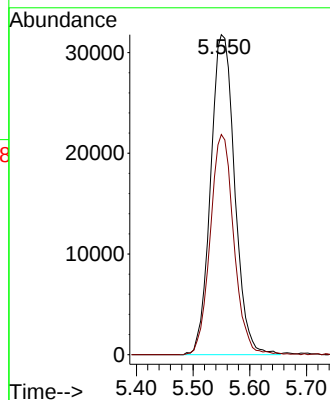
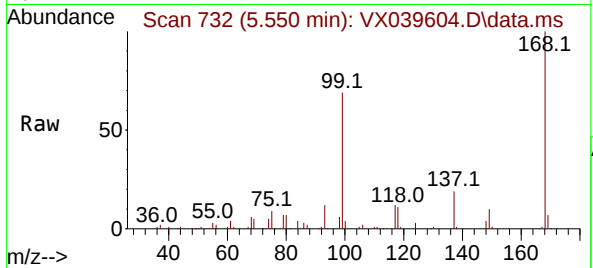




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX039604.D
Acq: 03 Jan 2024 15:59

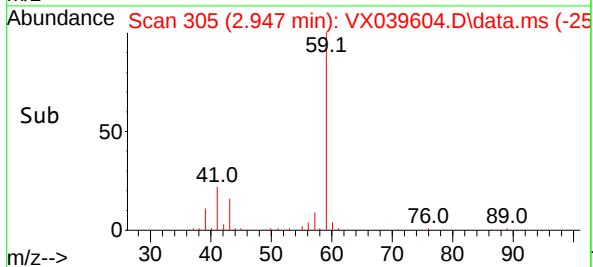
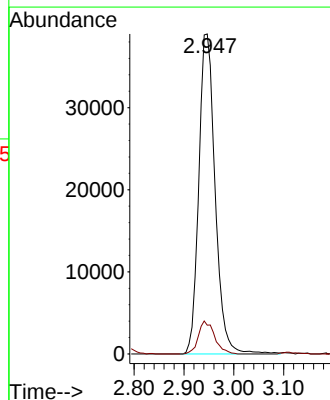
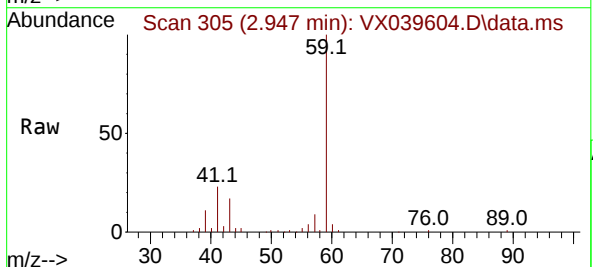
Instrument :
MSVOA_X
ClientSampleId :
1216

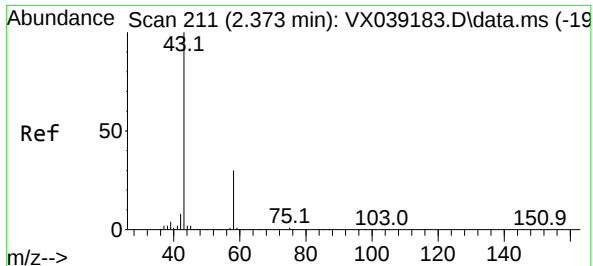
Tgt Ion:168 Resp: 93435
Ion Ratio Lower Upper
168 100
99 68.8 56.6 85.0



#11
Tert butyl alcohol
Concen: 206.641 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.006 min
Lab File: VX039604.D
Acq: 03 Jan 2024 15:59

Tgt Ion: 59 Resp: 88820
Ion Ratio Lower Upper
59 100
57 10.2 6.0 9.0#

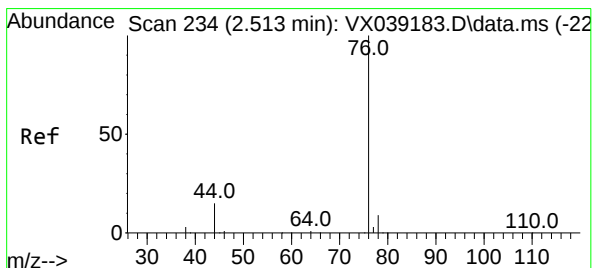
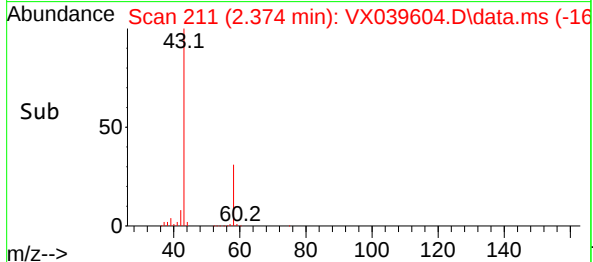
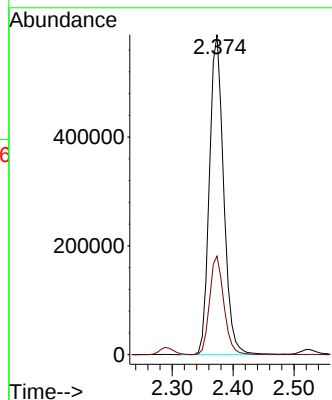
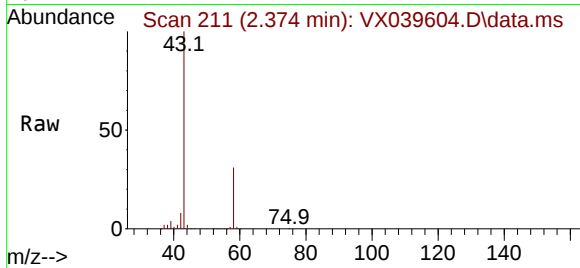




#16
Acetone
Concen: 1062.495 ug/l
RT: 2.374 min Scan# 211
Delta R.T. 0.001 min
Lab File: VX039604.D
Acq: 03 Jan 2024 15:59

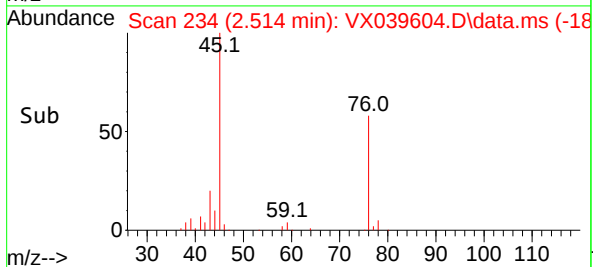
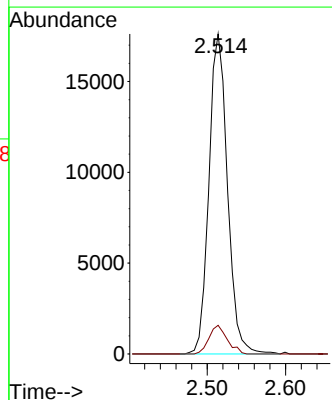
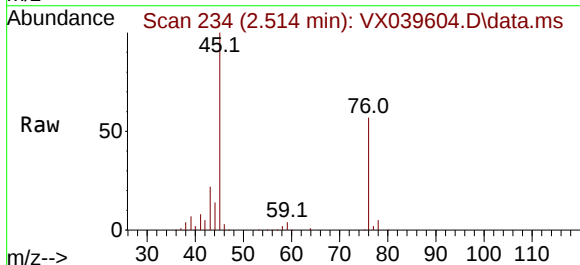
Instrument :
MSVOA_X
ClientSampleId :
1216

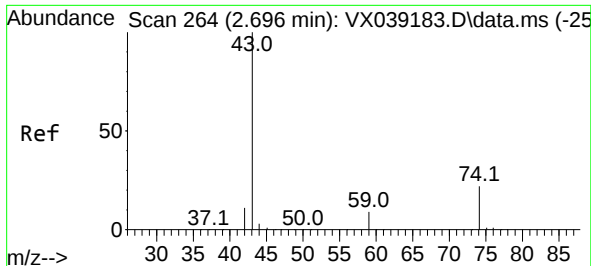
Tgt Ion: 43 Resp: 955529
Ion Ratio Lower Upper
43 100
58 30.8 21.9 32.9



#17
Carbon Disulfide
Concen: 8.231 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.000 min
Lab File: VX039604.D
Acq: 03 Jan 2024 15:59

Tgt Ion: 76 Resp: 28940
Ion Ratio Lower Upper
76 100
78 9.0 7.0 10.6

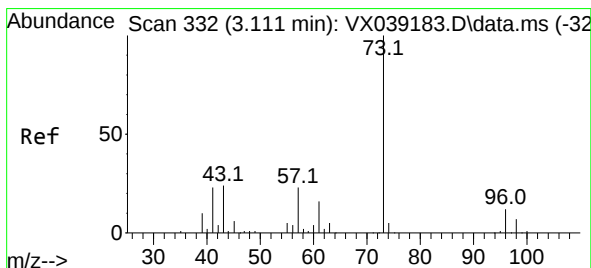
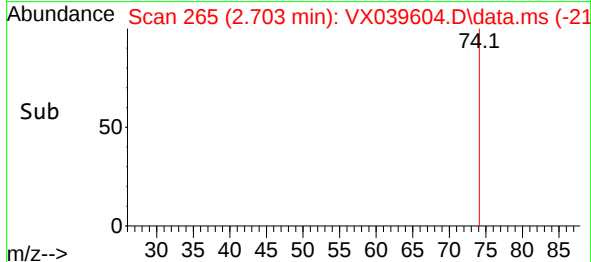
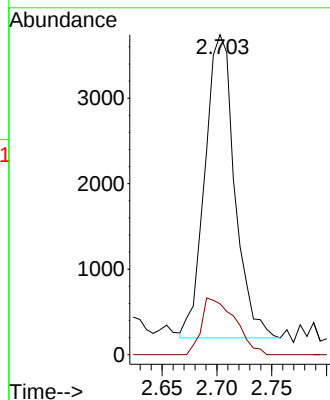
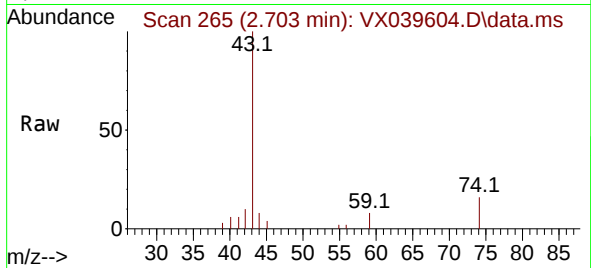




#18
Methyl Acetate
Concen: 1.814 ug/l
RT: 2.703 min Scan# 216
Delta R.T. 0.006 min
Lab File: VX039604.D
Acq: 03 Jan 2024 15:59

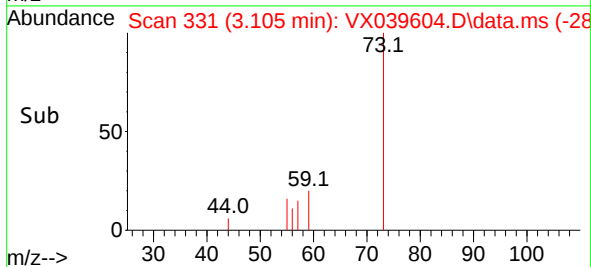
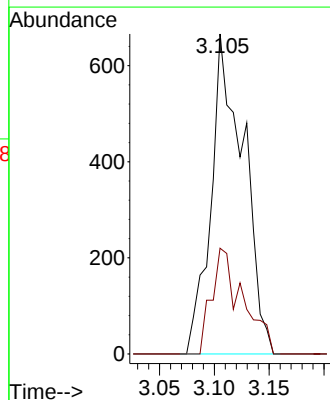
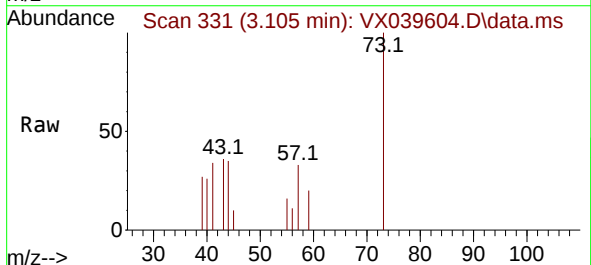
Instrument :
MSVOA_X
ClientSampleId :
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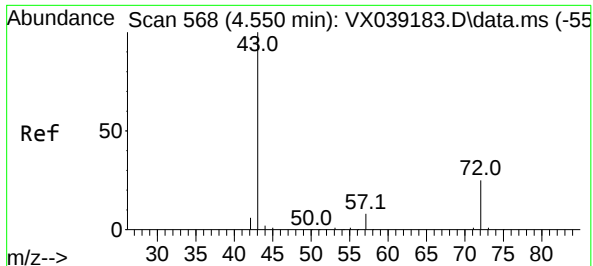
Tgt Ion: 43 Resp: 6717
Ion Ratio Lower Upper
43 100
74 21.1 17.8 26.8



#19
Methyl tert-butyl Ether
Concen: 0.316 ug/l
RT: 3.105 min Scan# 331
Delta R.T. -0.006 min
Lab File: VX039604.D
Acq: 03 Jan 2024 15:59

Tgt Ion: 73 Resp: 1373
Ion Ratio Lower Upper
73 100
57 33.0 17.3 25.9#

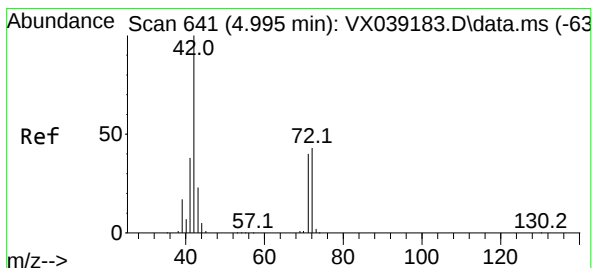
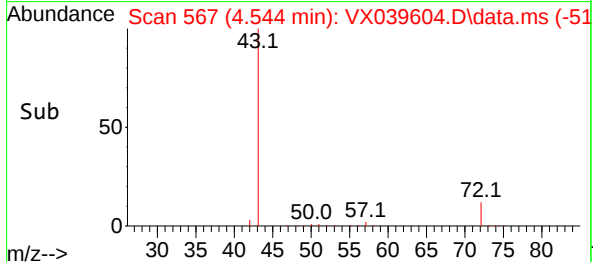
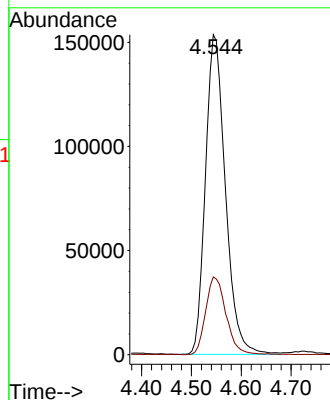
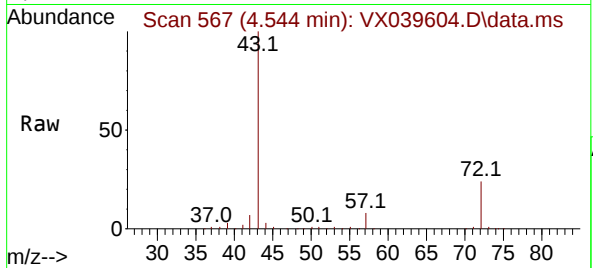




#25
2-Butanone
Concen: 288.837 ug/l
RT: 4.544 min Scan# 51
Delta R.T. -0.006 min
Lab File: VX039604.D
Acq: 03 Jan 2024 15:59

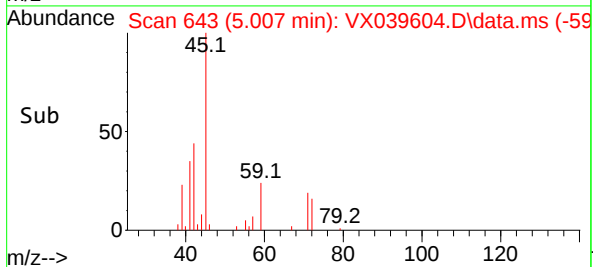
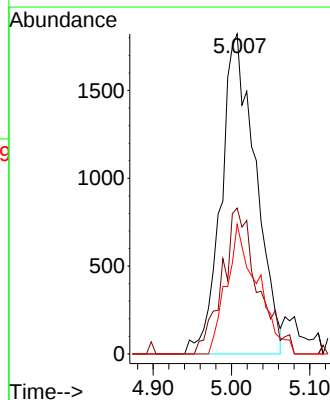
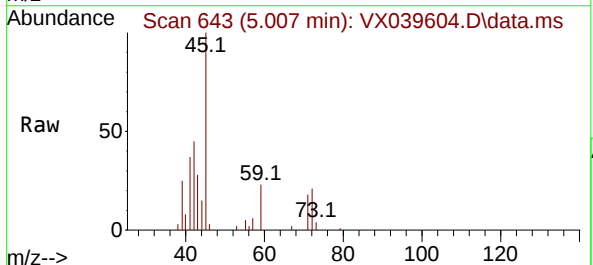
Instrument :
MSVOA_X
ClientSampleId :
1216

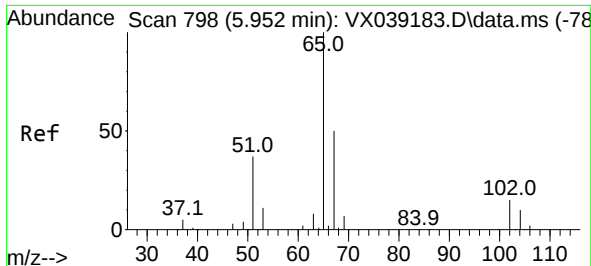
Tgt Ion: 43 Resp: 426622
Ion Ratio Lower Upper
43 100
72 24.2 19.4 29.2



#29
Tetrahydrofuran
Concen: 6.832 ug/l
RT: 5.007 min Scan# 643
Delta R.T. 0.013 min
Lab File: VX039604.D
Acq: 03 Jan 2024 15:59

Tgt Ion: 42 Resp: 5573
Ion Ratio Lower Upper
42 100
72 46.6 34.2 51.4
71 36.6 32.2 48.2





#33

1,2-Dichloroethane-d4

Concen: 48.514 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX039604.D

Acq: 03 Jan 2024 15:59

Instrument :

MSVOA_X

ClientSampleId :

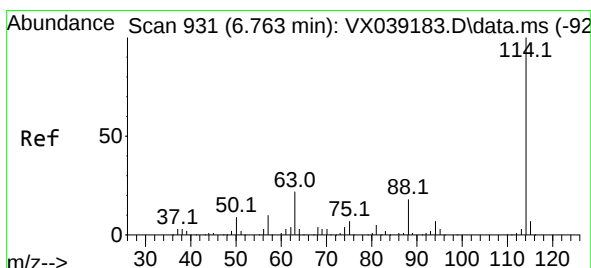
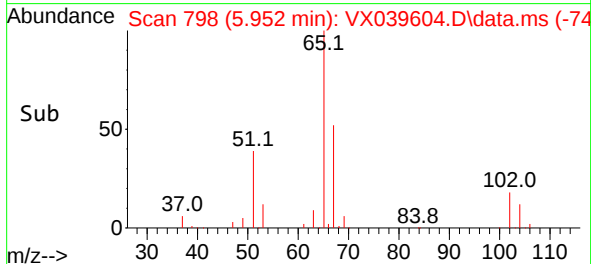
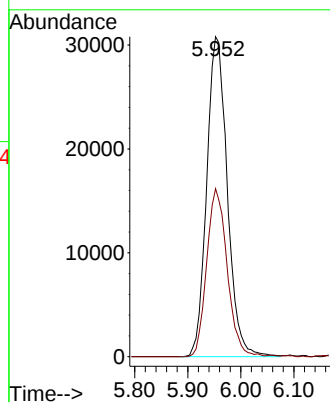
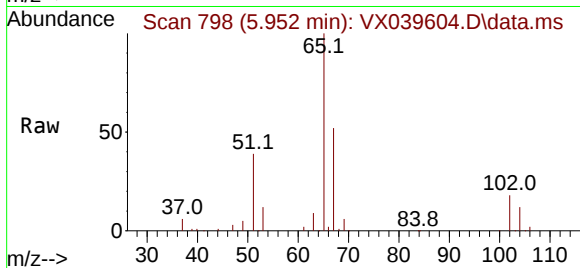
1216

Tgt Ion: 65 Resp: 83040

Ion Ratio Lower Upper

65 100

67 52.1 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: VX039604.D

Acq: 03 Jan 2024 15:59

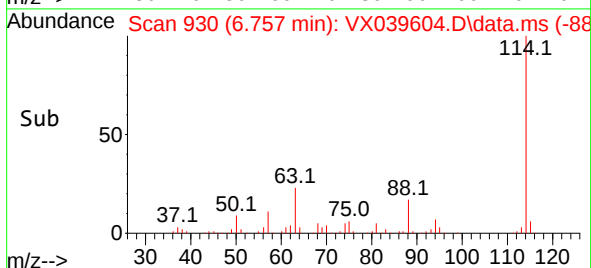
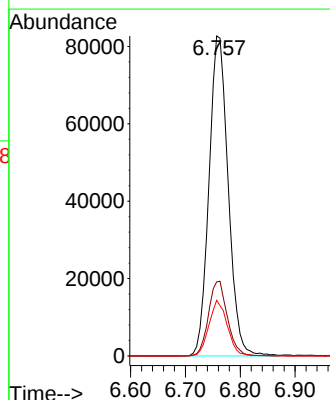
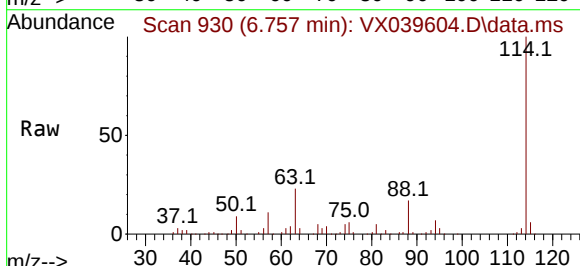
Tgt Ion: 114 Resp: 200996

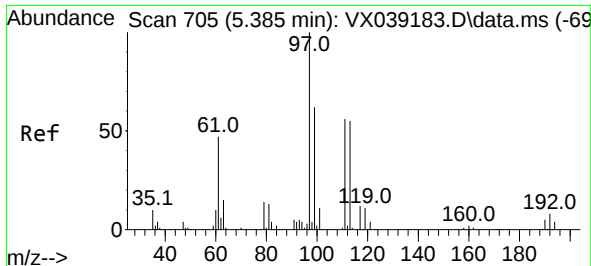
Ion Ratio Lower Upper

114 100

63 23.1 0.0 45.0

88 17.4 0.0 36.6

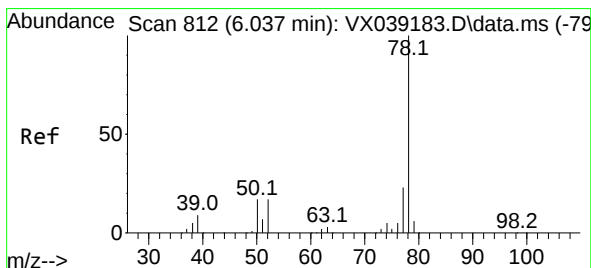
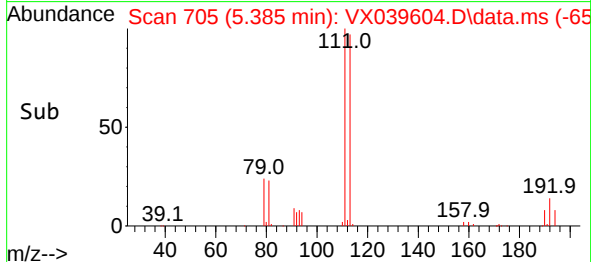
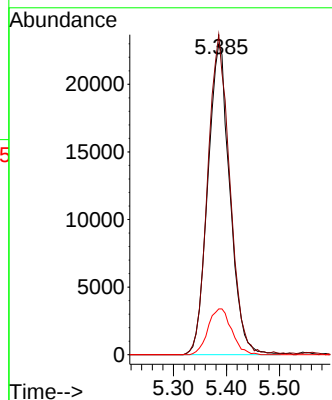
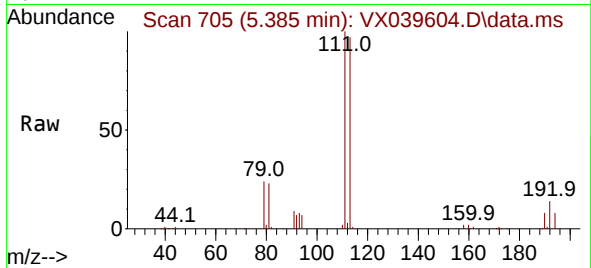




#35
Dibromofluoromethane
Concen: 47.711 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX039604.D
Acq: 03 Jan 2024 15:59

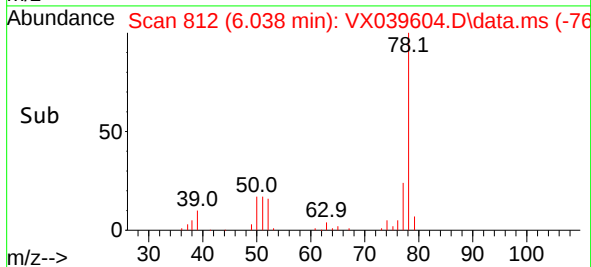
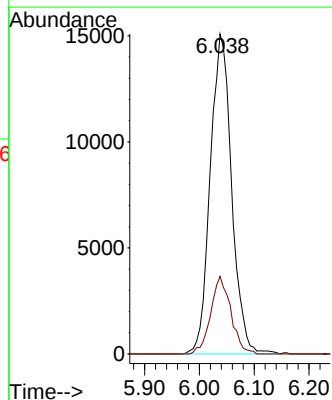
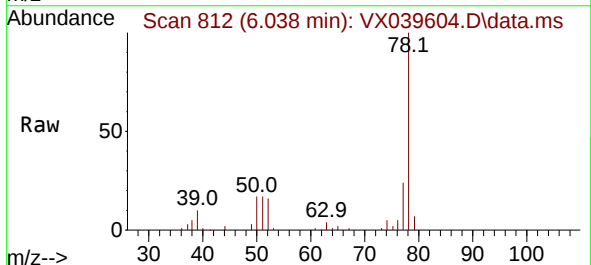
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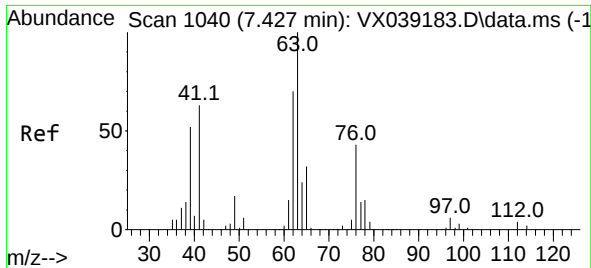
Tgt Ion:113 Resp: 66251
Ion Ratio Lower Upper
113 100
111 103.1 82.9 124.3
192 15.8 13.3 19.9



#40
Benzene
Concen: 6.594 ug/l
RT: 6.038 min Scan# 812
Delta R.T. 0.000 min
Lab File: VX039604.D
Acq: 03 Jan 2024 15:59

Tgt Ion: 78 Resp: 40873
Ion Ratio Lower Upper
78 100
77 24.3 19.3 28.9

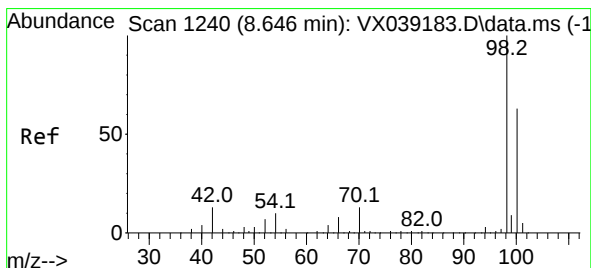
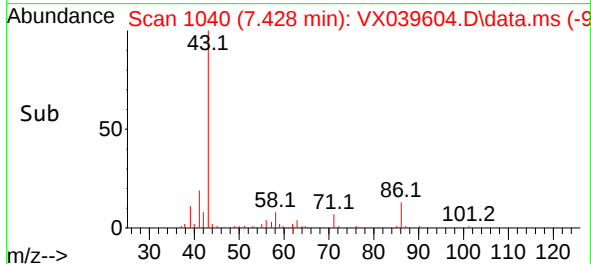
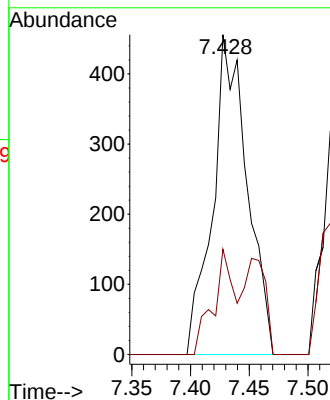
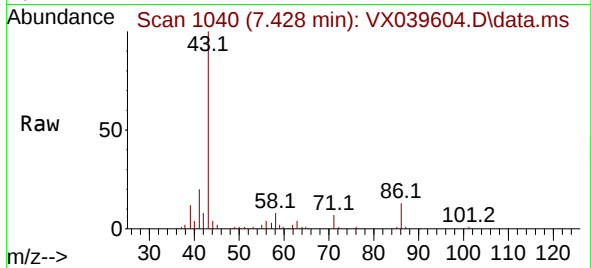




#45
1,2-Dichloropropane
Concen: 0.557 ug/l
RT: 7.428 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VX039604.D
Acq: 03 Jan 2024 15:59

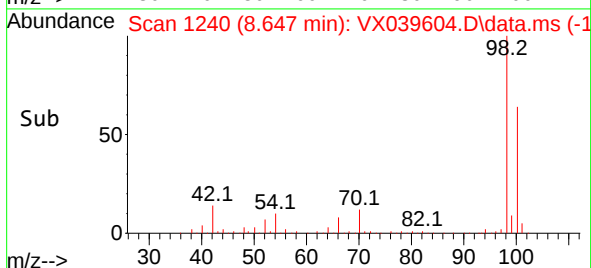
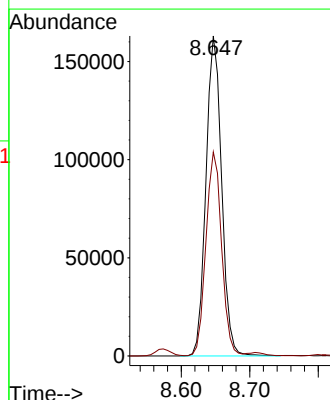
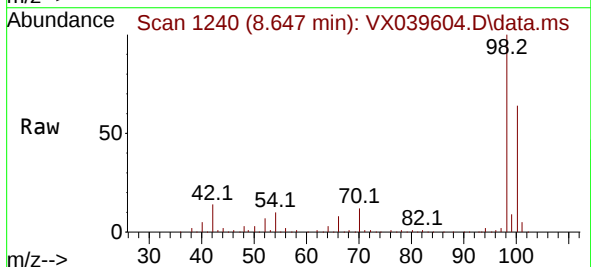
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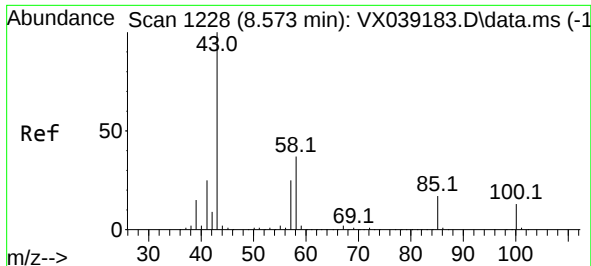
Tgt Ion: 63 Resp: 927
Ion Ratio Lower Upper
63 100
65 32.9 24.3 36.5



#50
Toluene-d8
Concen: 50.357 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX039604.D
Acq: 03 Jan 2024 15:59

Tgt Ion: 98 Resp: 259597
Ion Ratio Lower Upper
98 100
100 63.5 53.1 79.7

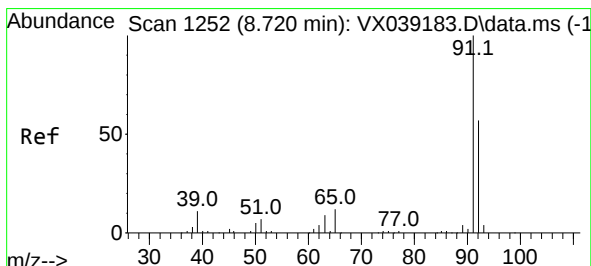
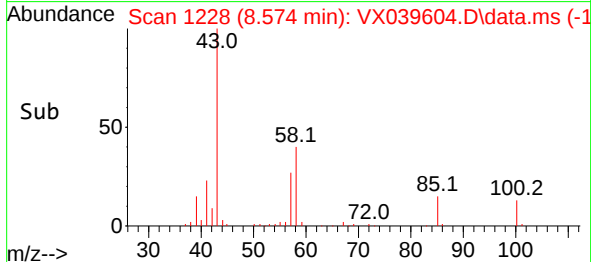
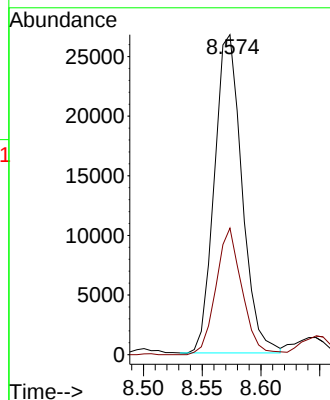
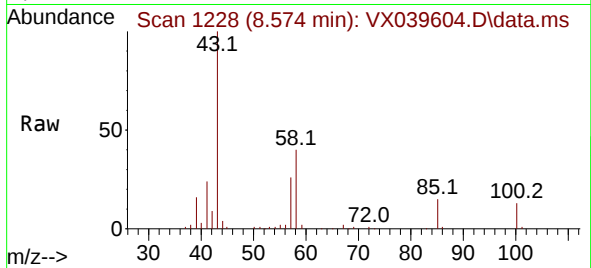




#51
4-Methyl-2-Pentanone
Concen: 15.523 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. 0.000 min
Lab File: VX039604.D
Acq: 03 Jan 2024 15:59

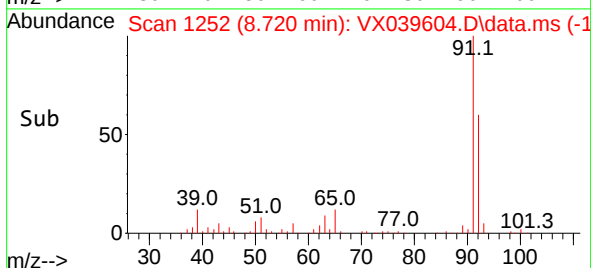
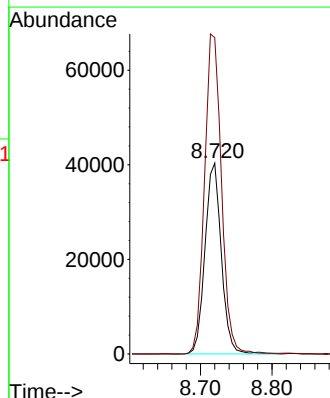
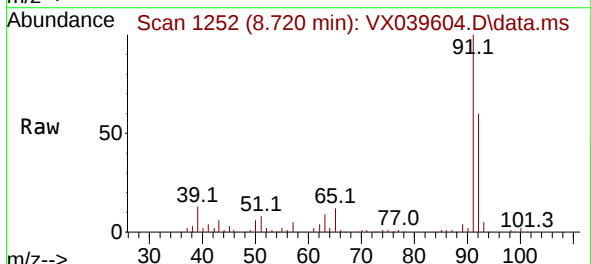
Instrument :
MSVOA_X
ClientSampleId :
1216

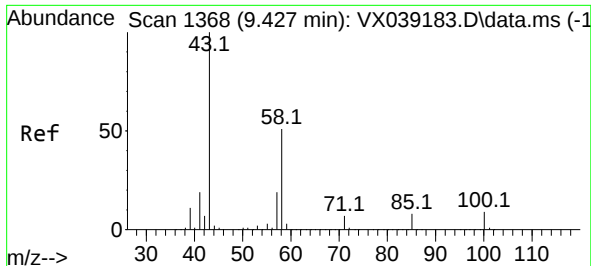
Tgt Ion: 43 Resp: 43541
Ion Ratio Lower Upper
43 100
58 37.7 30.4 45.6



#52
Toluene
Concen: 17.093 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX039604.D
Acq: 03 Jan 2024 15:59

Tgt Ion: 92 Resp: 63949
Ion Ratio Lower Upper
92 100
91 174.1 134.2 201.2

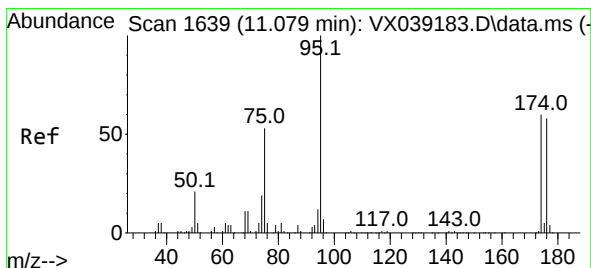
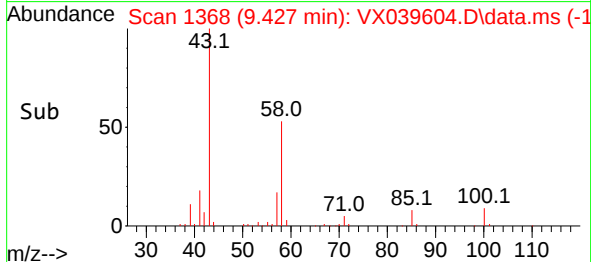
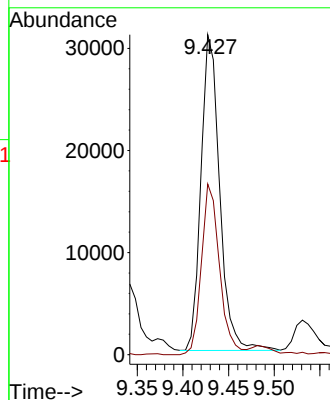
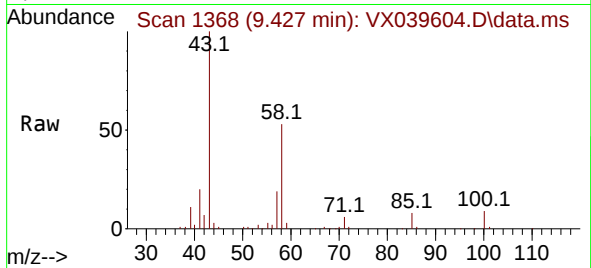




#59
2-Hexanone
Concen: 18.229 ug/l
RT: 9.427 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX039604.D
Acq: 03 Jan 2024 15:59

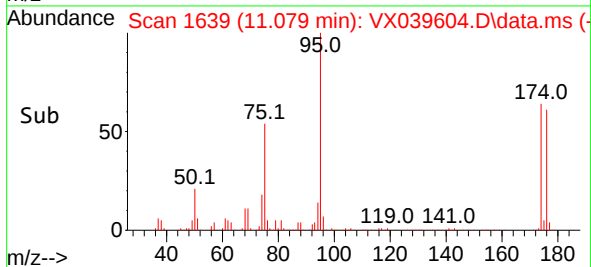
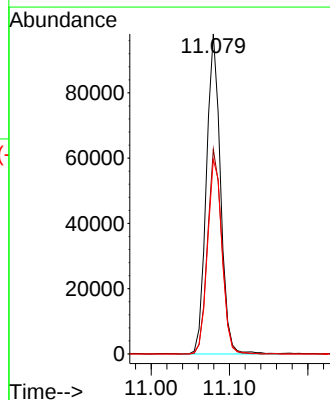
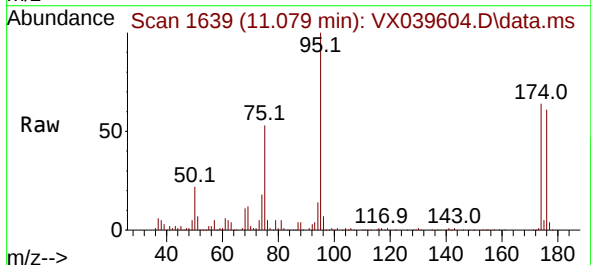
Instrument :
MSVOA_X
ClientSampleId :
1216

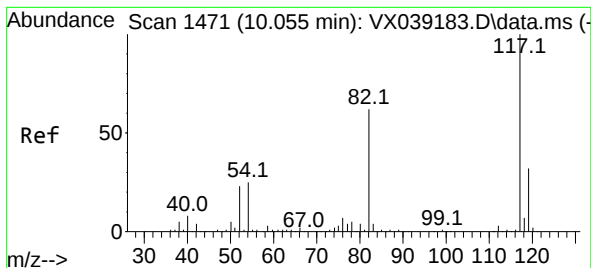
Tgt Ion: 43 Resp: 44128
Ion Ratio Lower Upper
43 100
58 52.4 26.2 78.5



#62
4-Bromofluorobenzene
Concen: 57.533 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX039604.D
Acq: 03 Jan 2024 15:59

Tgt Ion: 95 Resp: 122373
Ion Ratio Lower Upper
95 100
174 64.6 0.0 135.6
176 62.3 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: VX039604.D

Acq: 03 Jan 2024 15:59

Instrument :

MSVOA_X

ClientSampleId :

1216

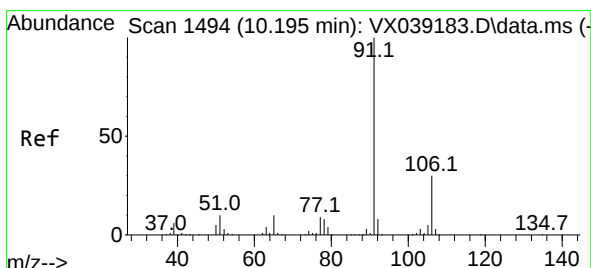
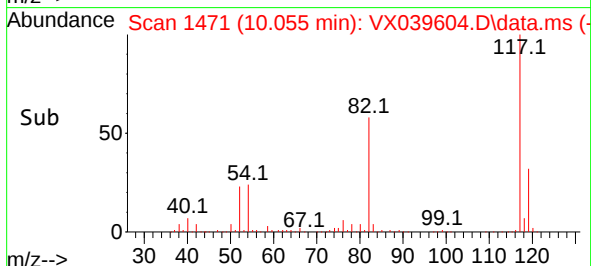
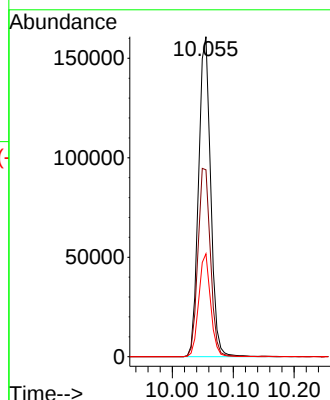
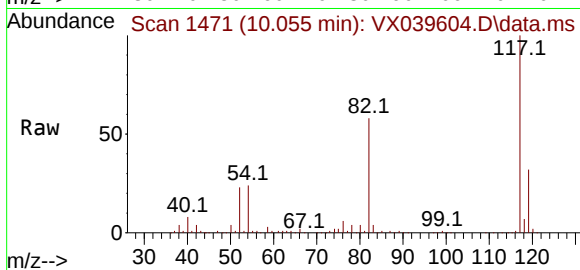
Tgt Ion:117 Resp: 221627

Ion Ratio Lower Upper

117 100

82 58.4 46.2 69.4

119 32.1 25.5 38.3



#67

Ethyl Benzene

Concen: 5.277 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX039604.D

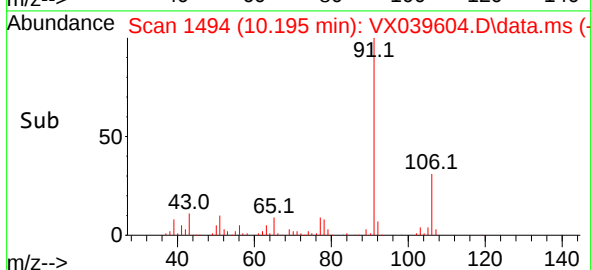
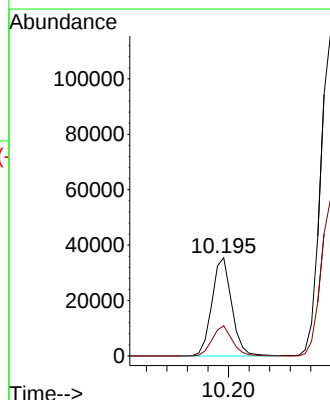
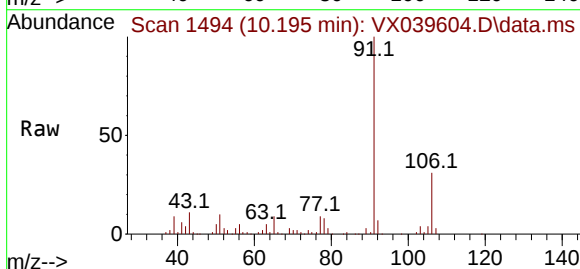
Acq: 03 Jan 2024 15:59

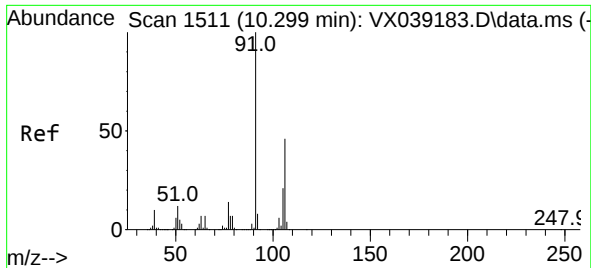
Tgt Ion: 91 Resp: 47515

Ion Ratio Lower Upper

91 100

106 30.9 24.9 37.3

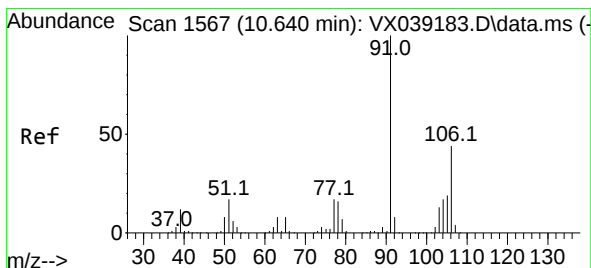
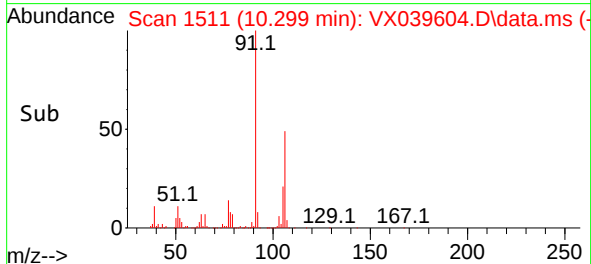
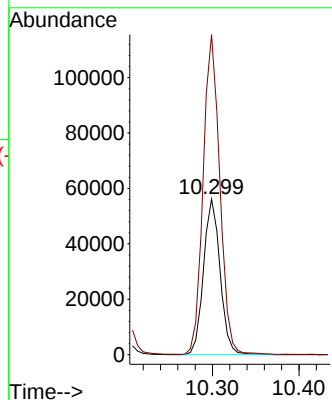
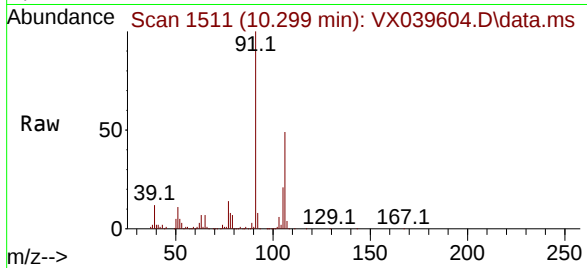




#68
m/p-Xylenes
Concen: 23.109 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX039604.D
Acq: 03 Jan 2024 15:59

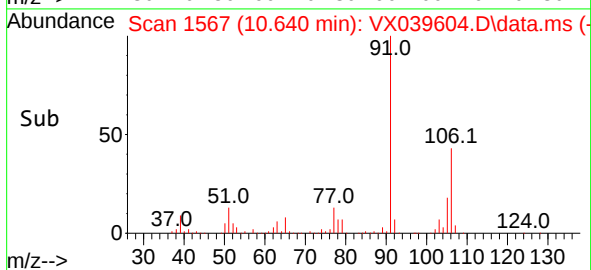
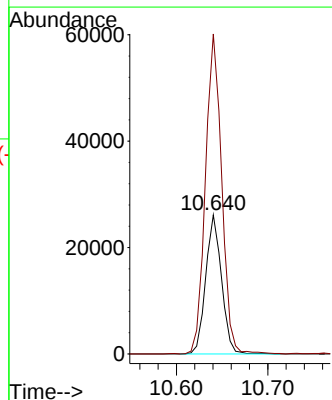
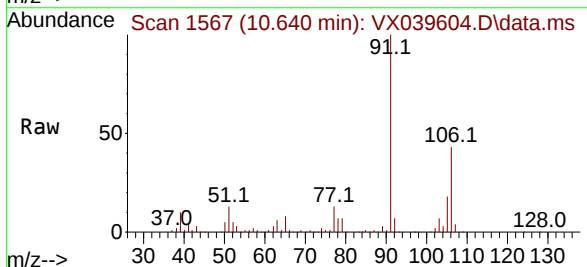
Instrument :
MSVOA_X
ClientSampleId :
1216

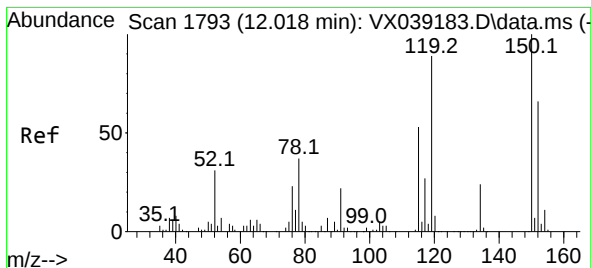
Tgt Ion:106 Resp: 74610
Ion Ratio Lower Upper
106 100
91 206.8 165.5 248.3



#69
o-Xylene
Concen: 10.035 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX039604.D
Acq: 03 Jan 2024 15:59

Tgt Ion:106 Resp: 31324
Ion Ratio Lower Upper
106 100
91 238.0 108.9 326.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX039604.D

Acq: 03 Jan 2024 15:59

Instrument :

MSVOA_X

ClientSampleId :

1216

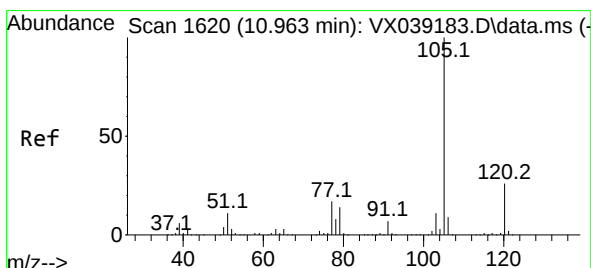
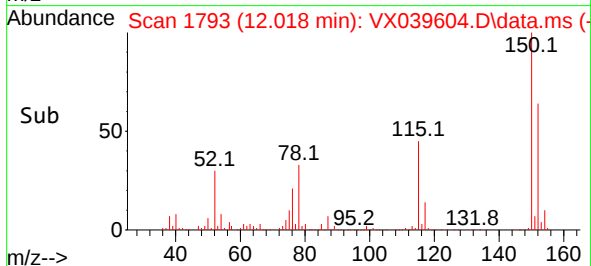
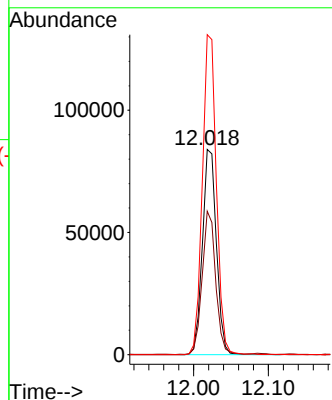
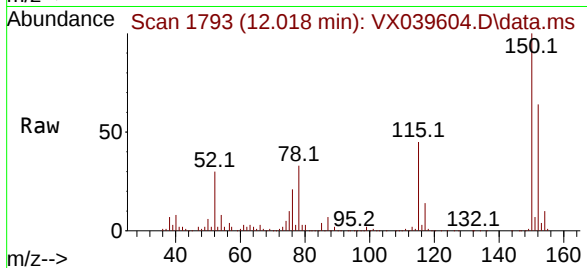
Tgt Ion:152 Resp: 108994

Ion Ratio Lower Upper

152 100

115 67.4 43.3 129.9

150 156.4 0.0 345.0



#73

Isopropylbenzene

Concen: 0.280 ug/l

RT: 10.963 min Scan# 1620

Delta R.T. 0.000 min

Lab File: VX039604.D

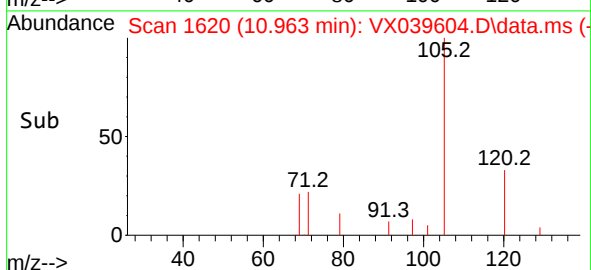
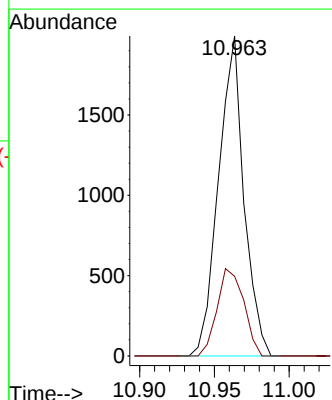
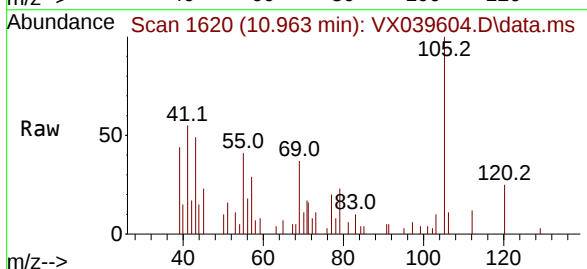
Acq: 03 Jan 2024 15:59

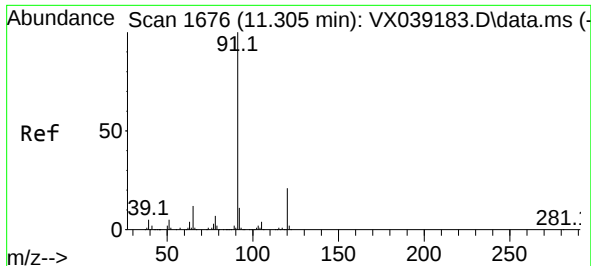
Tgt Ion:105 Resp: 2351

Ion Ratio Lower Upper

105 100

120 28.6 12.9 38.6

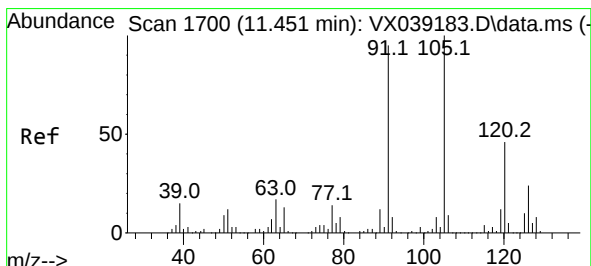
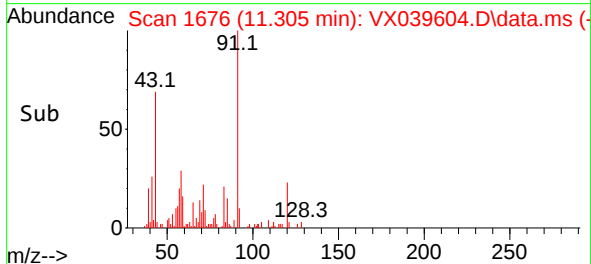
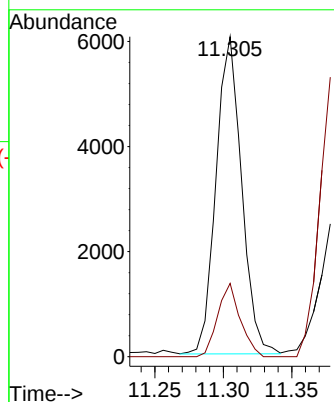
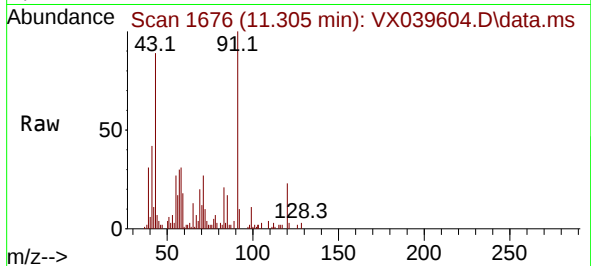




#78
n-propylbenzene
Concen: 0.755 ug/l
RT: 11.305 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX039604.D
Acq: 03 Jan 2024 15:59

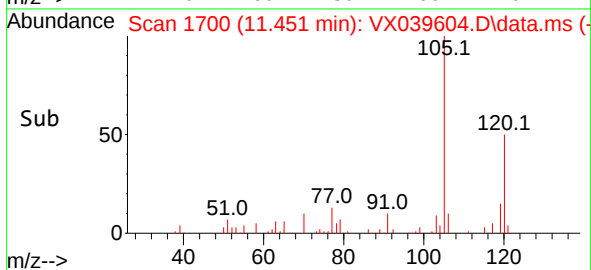
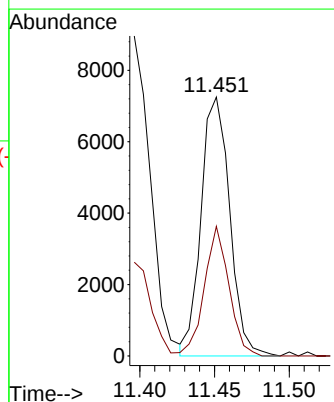
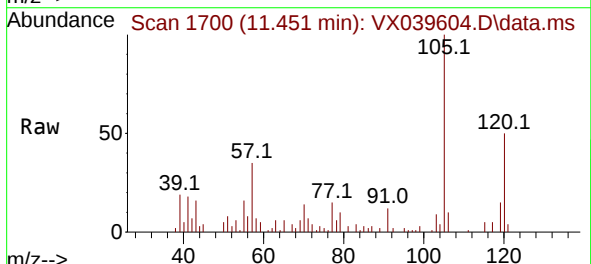
Instrument :
MSVOA_X
ClientSampleId :
1216

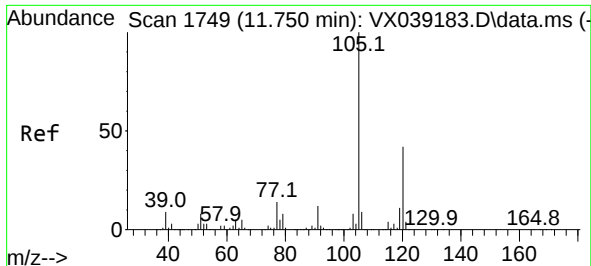
Tgt Ion: 91 Resp: 7824
Ion Ratio Lower Upper
91 100
120 20.4 11.5 34.4



#80
1,3,5-Trimethylbenzene
Concen: 1.349 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX039604.D
Acq: 03 Jan 2024 15:59

Tgt Ion: 105 Resp: 9665
Ion Ratio Lower Upper
105 100
120 43.2 24.1 72.3

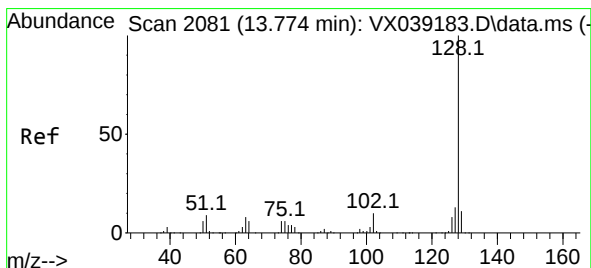
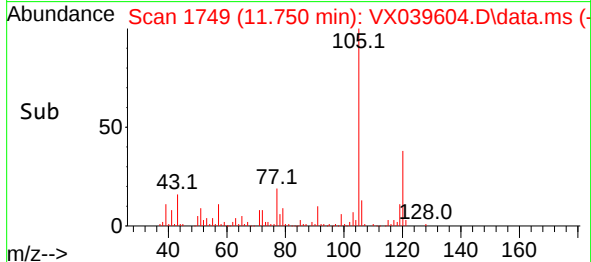
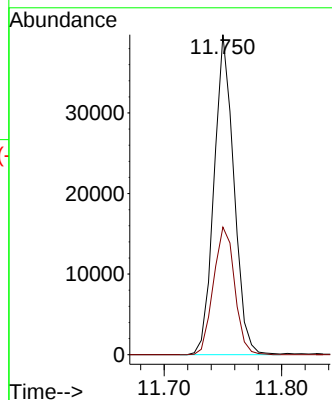
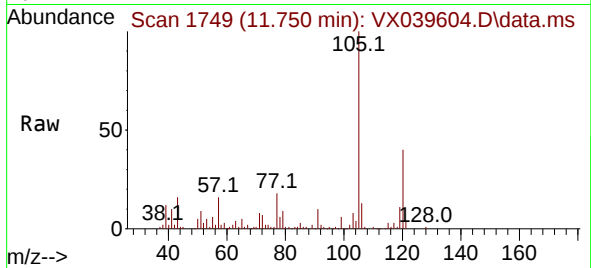




#84
1,2,4-Trimethylbenzene
Concen: 6.350 ug/l
RT: 11.750 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX039604.D
Acq: 03 Jan 2024 15:59

Instrument :
MSVOA_X
ClientSampleId :
1216

Tgt Ion:105 Resp: 46649
Ion Ratio Lower Upper
105 100
120 42.5 21.2 63.6



#95
Naphthalene
Concen: 18.153 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX039604.D
Acq: 03 Jan 2024 15:59

Tgt Ion:128 Resp: 144705
Ion Ratio Lower Upper
128 100
127 13.1 10.3 15.5
129 11.0 8.8 13.2

