

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062624\
 Data File : VX042053.D
 Acq On : 26 Jun 2024 15:13
 Operator : JC/MD
 Sample : P3072-04 10X
 Misc : 1.20g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 1419

Quant Time: Jun 27 03:44:04 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061824W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 21 23:51:58 2024
 Response via : Initial Calibration

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

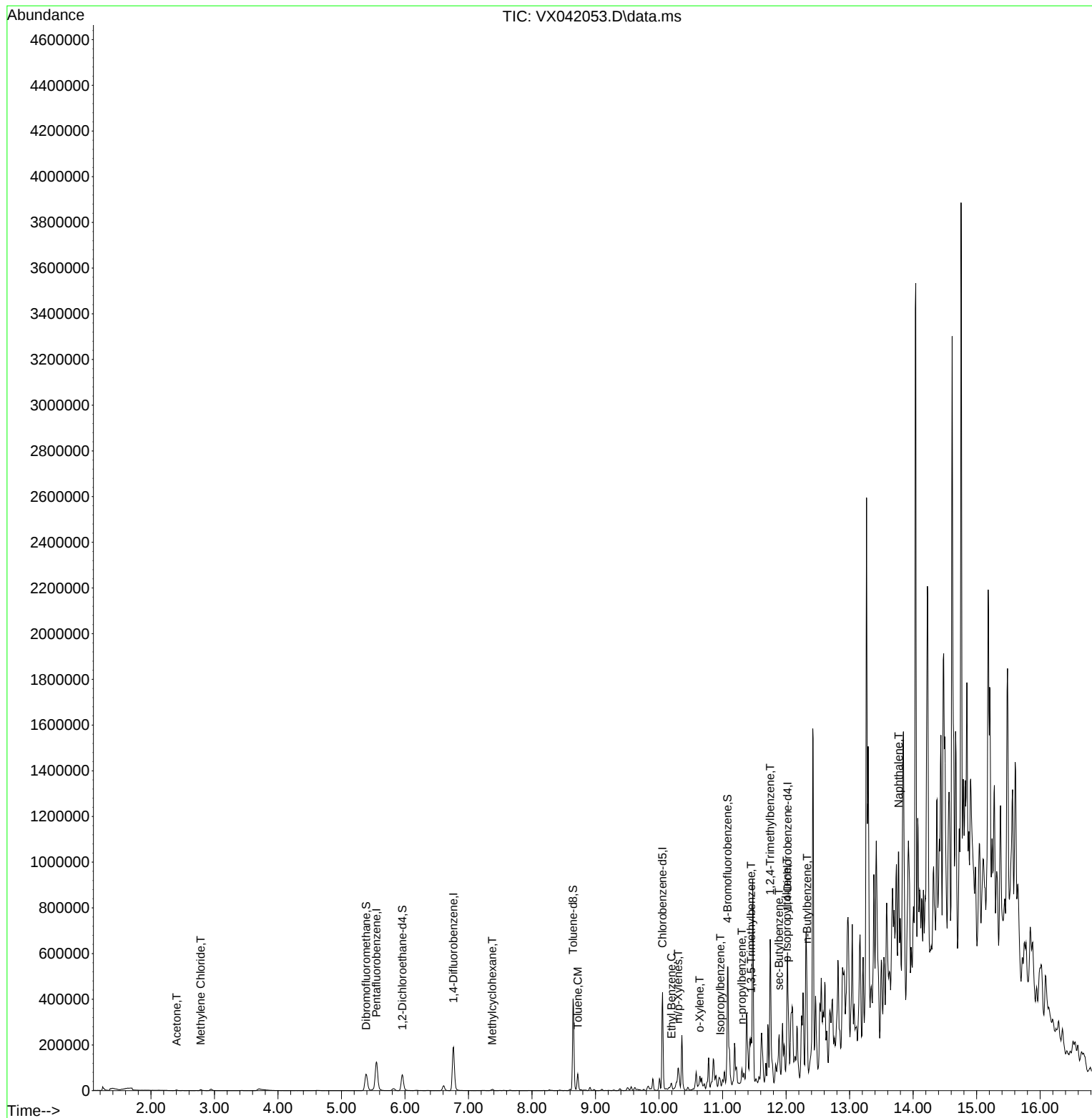
Internal Standards						
1) Pentafluorobenzene	5.550	168	142968	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	217206	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	216484	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	120511	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	66786	40.511	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	81.020%
35) Dibromofluoromethane	5.385	113	65594	42.561	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	85.120%
50) Toluene-d8	8.647	98	251022	46.363	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	92.720%
62) 4-Bromofluorobenzene	11.079	95	104539	52.378	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	104.760%
Target Compounds						
						Qvalue
16) Acetone	2.404	43	3236	4.470	ug/l	99
20) Methylene Chloride	2.782	84	2775	1.751	ug/l	85
39) Methylcyclohexane	7.373	83	2354	1.137	ug/l	85
52) Toluene	8.720	92	29493	8.391	ug/l	97
67) Ethyl Benzene	10.195	91	13054	1.850	ug/l	91
68) m/p-Xylenes	10.299	106	21944	7.704	ug/l	91
69) o-Xylene	10.640	106	13572	4.813	ug/l	90
73) Isopropylbenzene	10.963	105	11220	1.531	ug/l	98
78) n-propylbenzene	11.305	91	45753	5.755	ug/l	94
80) 1,3,5-Trimethylbenzene	11.451	105	65332	10.704	ug/l	92
84) 1,2,4-Trimethylbenzene	11.750	105	252420	41.223	ug/l	91
85) sec-Butylbenzene	11.890	105	34645	4.574	ug/l	80
86) p-Isopropyltoluene	12.012	119	21396	3.234	ug/l	96
89) n-Butylbenzene	12.329	91	86927	17.066	ug/l	# 43
95) Naphthalene	13.774	128	287347	33.508	ug/l	97

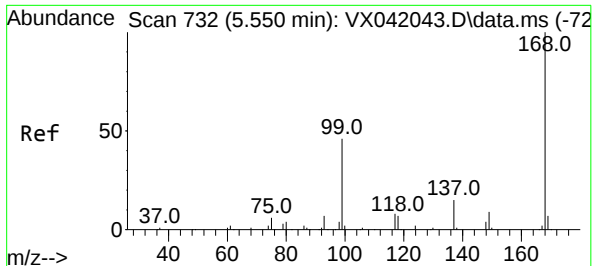
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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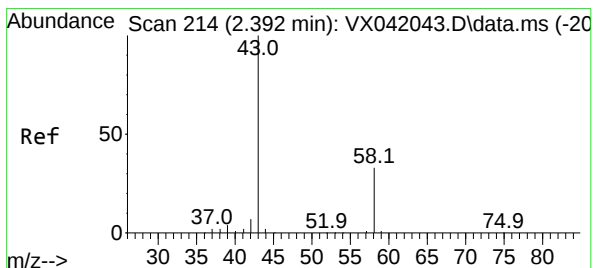
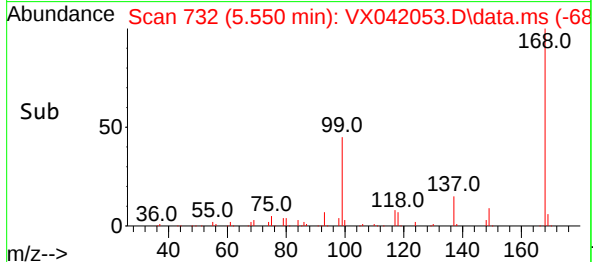
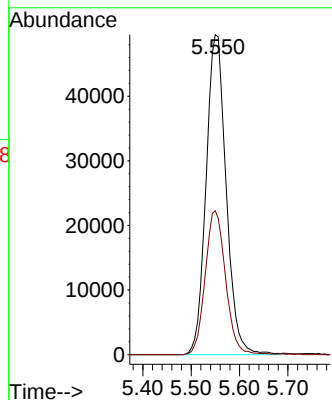
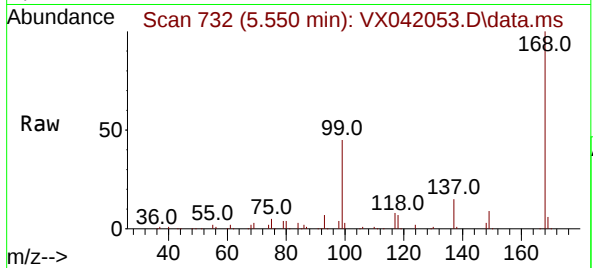




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX042053.D
Acq: 26 Jun 2024 15:13

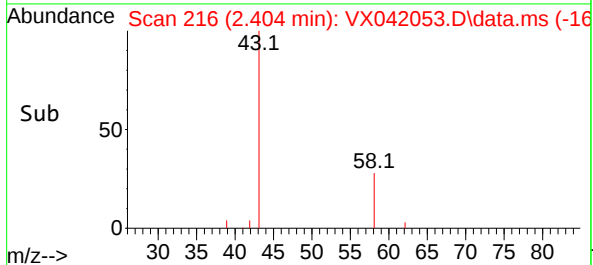
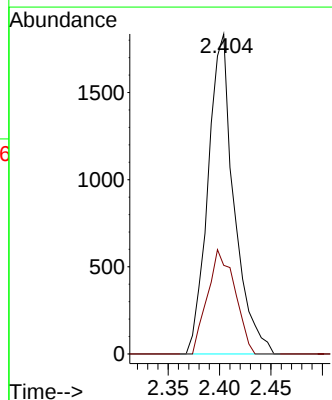
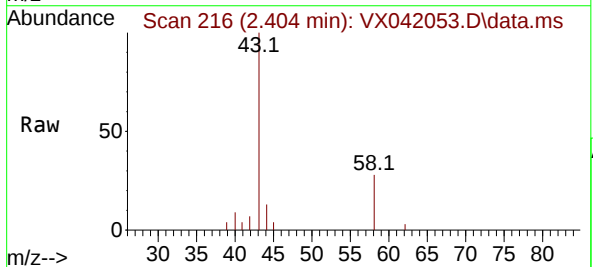
Instrument :
MSVOA_X
ClientSampleId :
1419

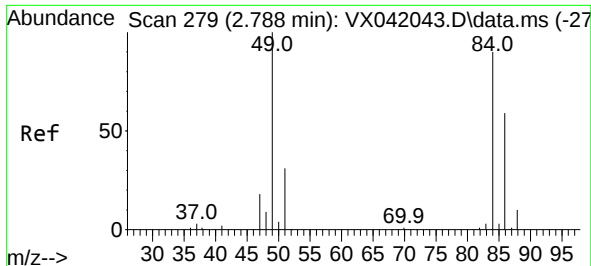
Tgt Ion:168 Resp: 142968
Ion Ratio Lower Upper
168 100
99 45.0 56.6 85.0#



#16
Acetone
Concen: 4.470 ug/l
RT: 2.404 min Scan# 216
Delta R.T. 0.006 min
Lab File: VX042053.D
Acq: 26 Jun 2024 15:13

Tgt Ion: 43 Resp: 3236
Ion Ratio Lower Upper
43 100
58 27.7 21.9 32.9

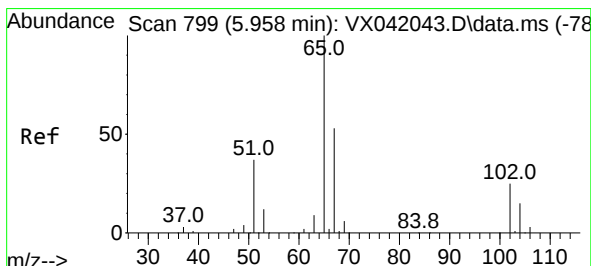
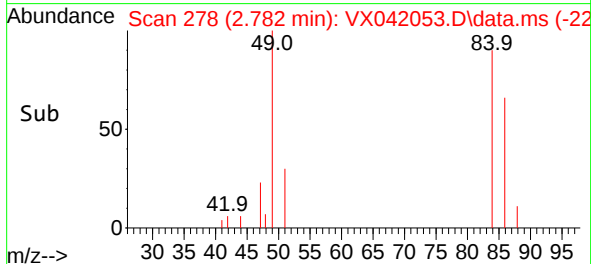
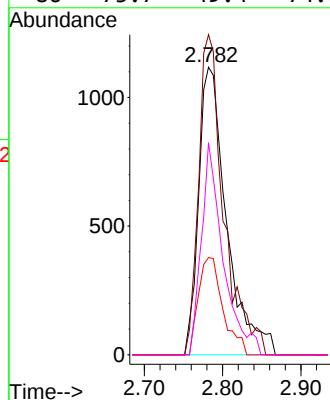
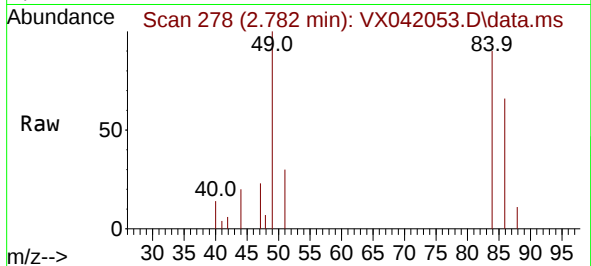




#20
Methylene Chloride
Concen: 1.751 ug/l
RT: 2.782 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX042053.D
Acq: 26 Jun 2024 15:13

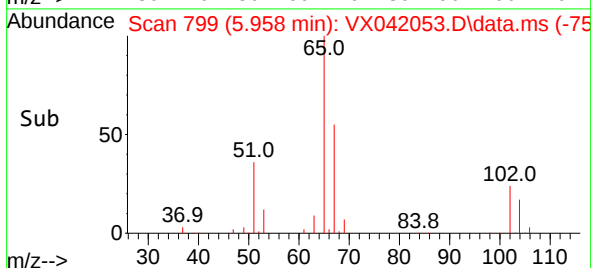
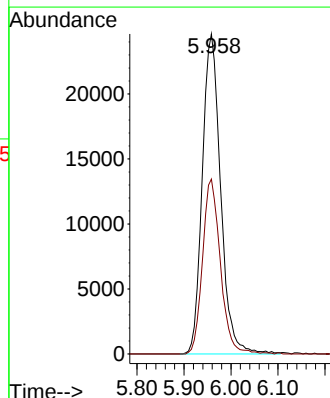
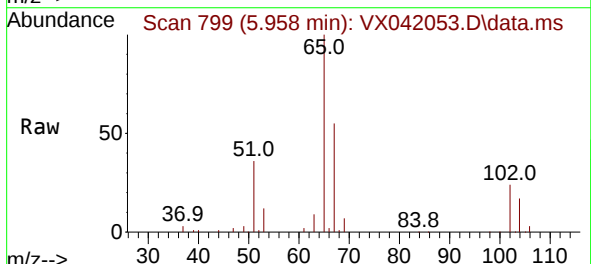
Instrument :
MSVOA_X
ClientSampleId :
1419

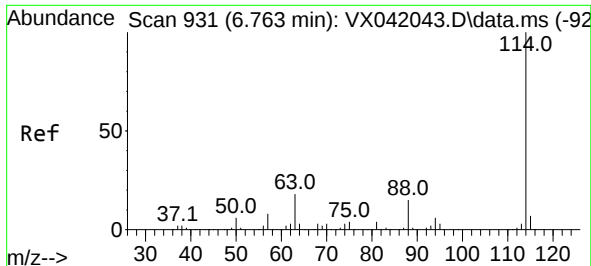
Tgt Ion: 84	Resp: 2775
Ion Ratio	Lower Upper
84 100	
49 111.3	103.6 155.4
51 33.8	33.8 50.6
86 73.7	49.4 74.0



#33
1,2-Dichloroethane-d4
Concen: 40.511 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX042053.D
Acq: 26 Jun 2024 15:13

Tgt Ion: 65	Resp: 66786
Ion Ratio	Lower Upper
65 100	
67 53.2	0.0 100.2

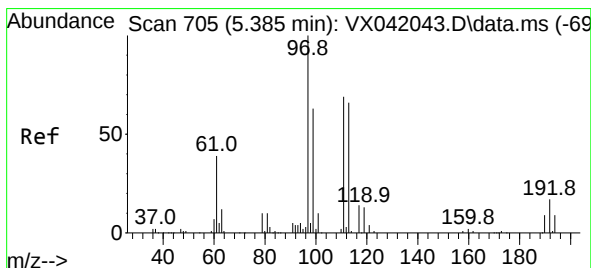
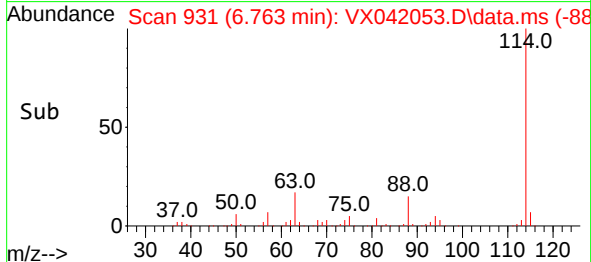
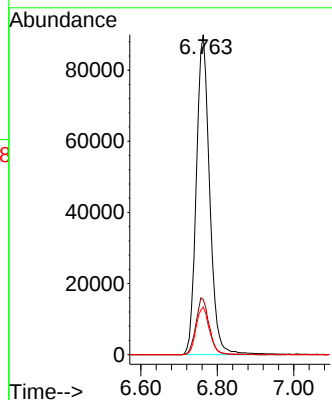
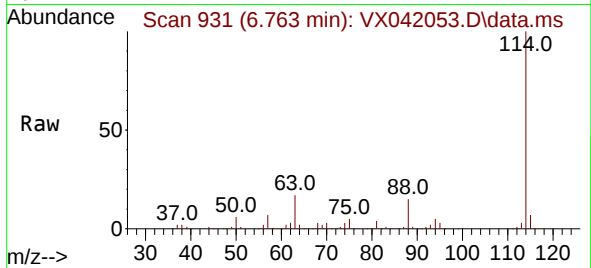




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX042053.D
Acq: 26 Jun 2024 15:13

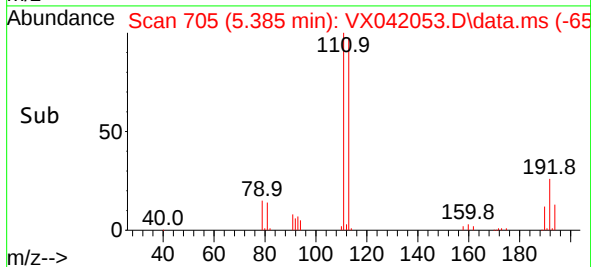
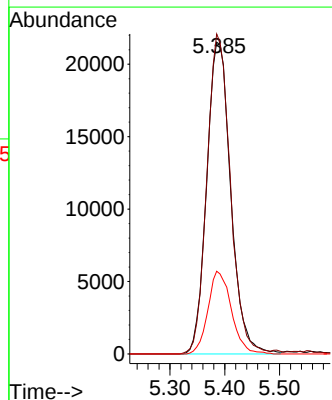
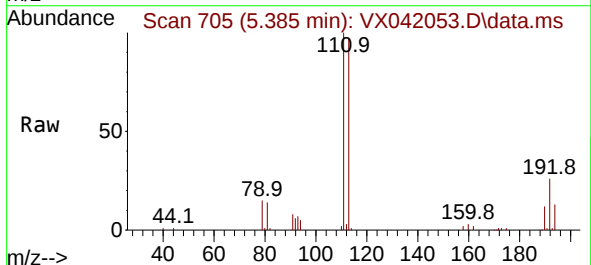
Instrument :
MSVOA_X
ClientSampleId :
1419

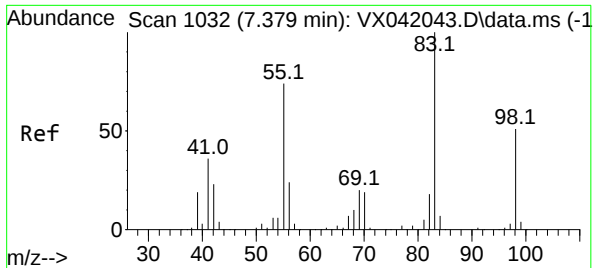
Tgt Ion:114 Resp: 217206
Ion Ratio Lower Upper
114 100
63 17.2 0.0 45.0
88 14.9 0.0 36.6



#35
Dibromofluoromethane
Concen: 42.561 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX042053.D
Acq: 26 Jun 2024 15:13

Tgt Ion:113 Resp: 65594
Ion Ratio Lower Upper
113 100
111 99.9 82.9 124.3
192 25.8 13.3 19.9#





#39

Methylcyclohexane

Concen: 1.137 ug/l

RT: 7.373 min Scan# 1032

Delta R.T. -0.006 min

Lab File: VX042053.D

Acq: 26 Jun 2024 15:13

Instrument :

MSVOA_X

ClientSampleId :

1419

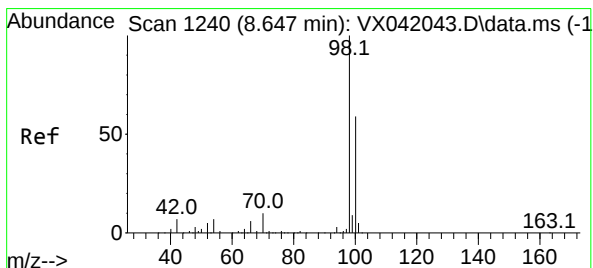
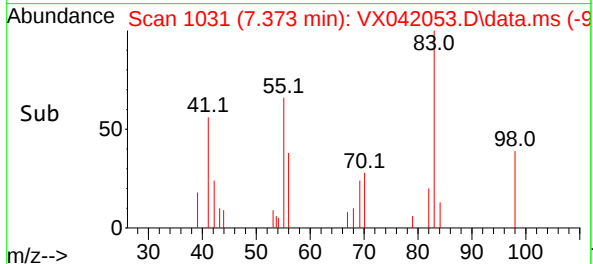
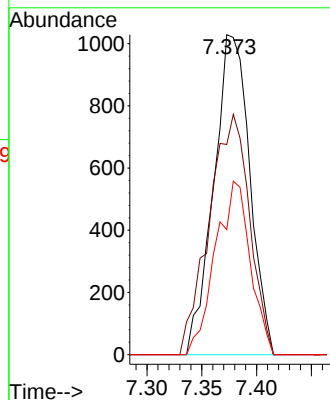
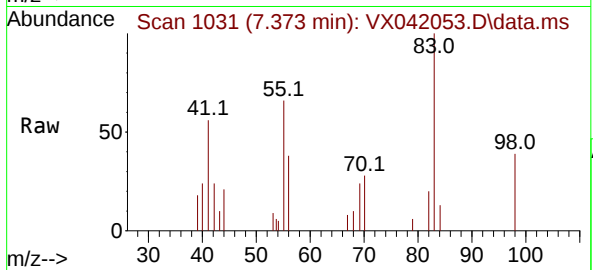
Tgt Ion: 83 Resp: 2354

Ion Ratio Lower Upper

83 100

55 65.7 64.6 97.0

98 39.1 36.7 55.1



#50

Toluene-d8

Concen: 46.363 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX042053.D

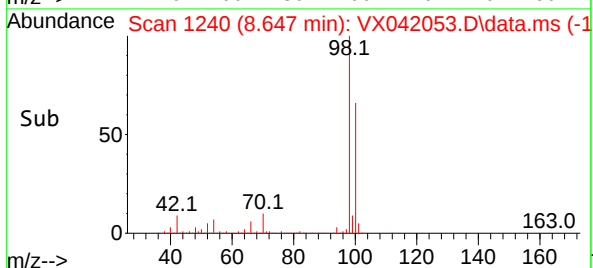
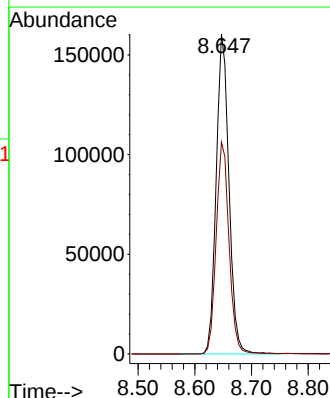
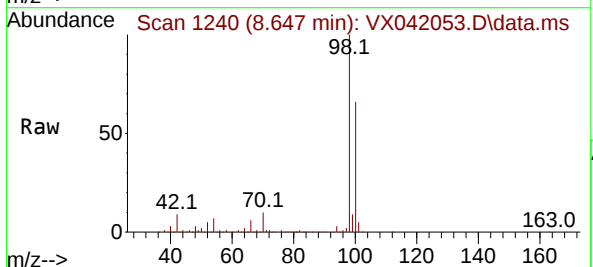
Acq: 26 Jun 2024 15:13

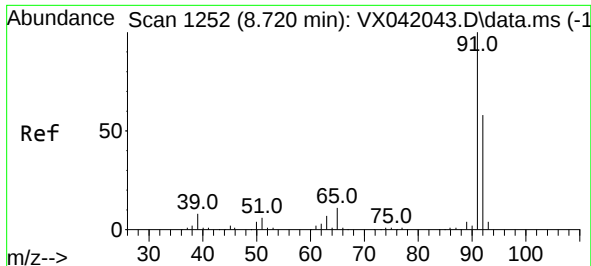
Tgt Ion: 98 Resp: 251022

Ion Ratio Lower Upper

98 100

100 66.7 53.1 79.7

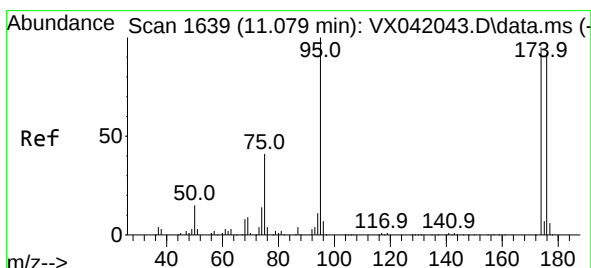
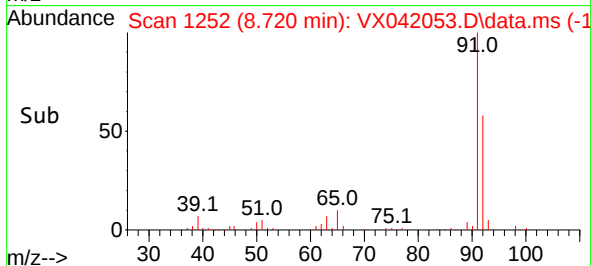
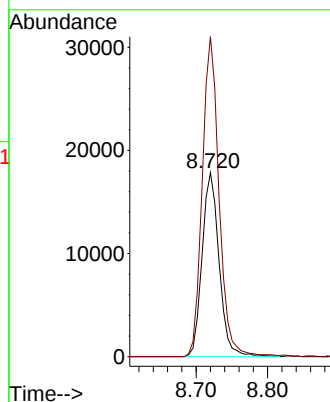
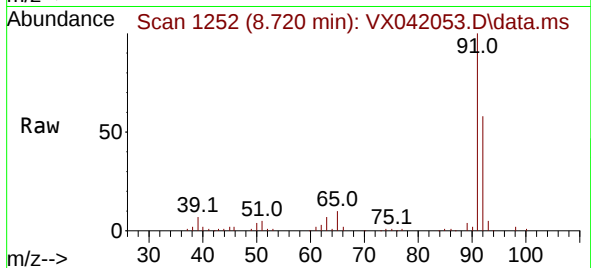




#52
Toluene
Concen: 8.391 ug/l
RT: 8.720 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX042053.D
Acq: 26 Jun 2024 15:13

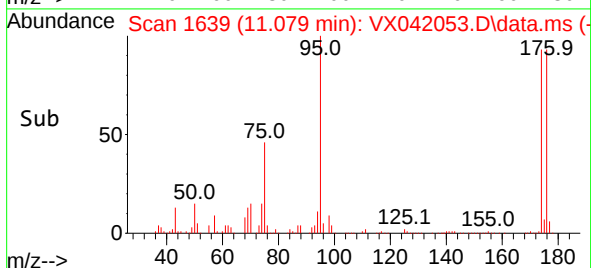
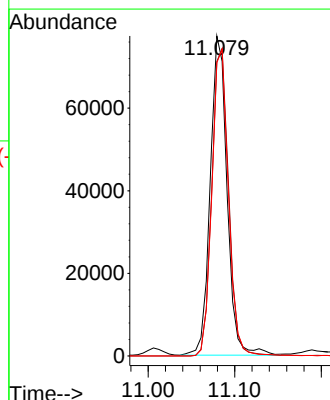
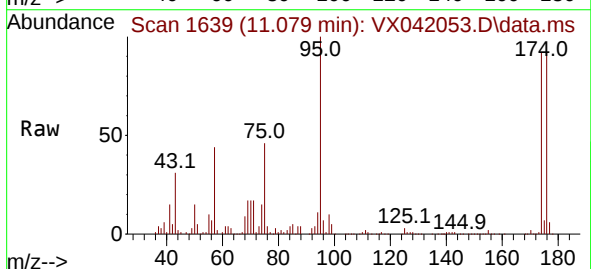
Instrument :
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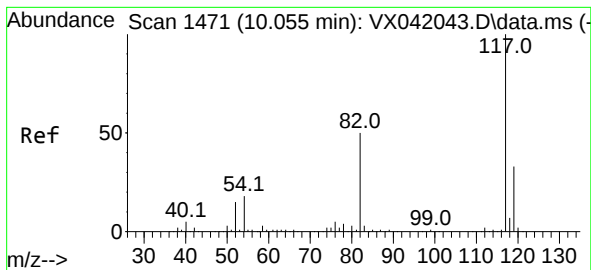
Tgt Ion: 92 Resp: 29493
Ion Ratio Lower Upper
92 100
91 172.4 134.2 201.2



#62
4-Bromofluorobenzene
Concen: 52.378 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX042053.D
Acq: 26 Jun 2024 15:13

Tgt Ion: 95 Resp: 104539
Ion Ratio Lower Upper
95 100
174 96.2 0.0 135.6
176 94.5 0.0 131.0

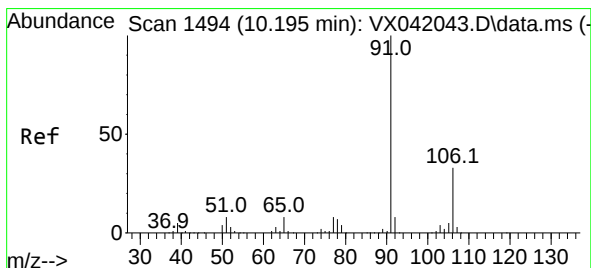
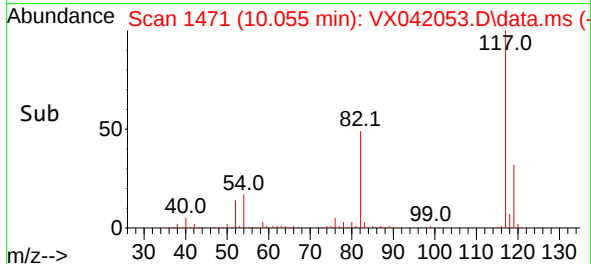
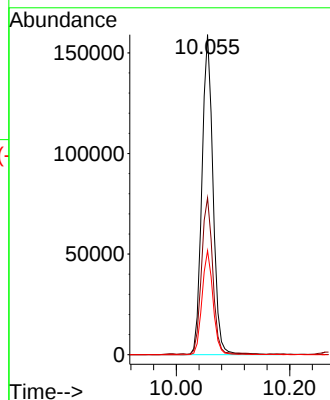
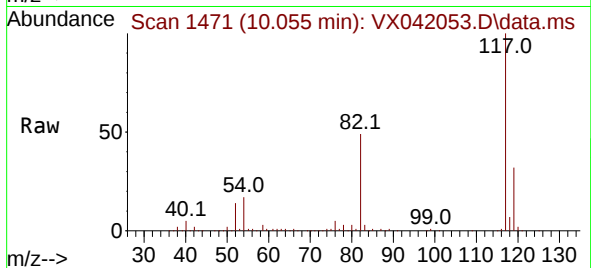




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX042053.D
Acq: 26 Jun 2024 15:13

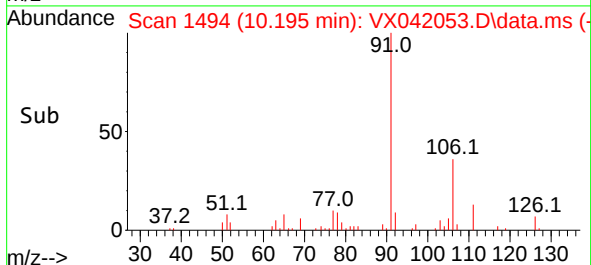
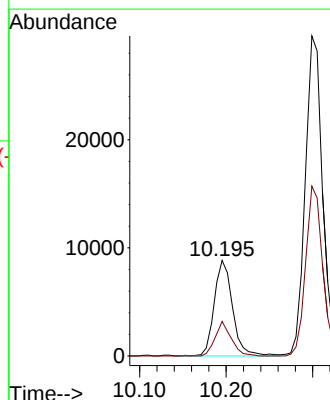
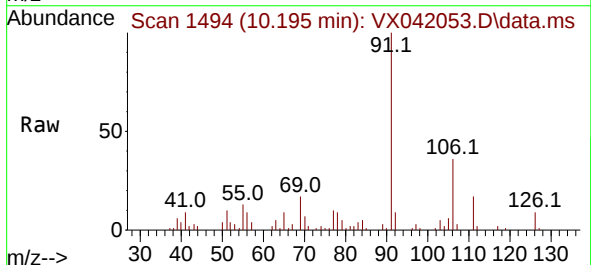
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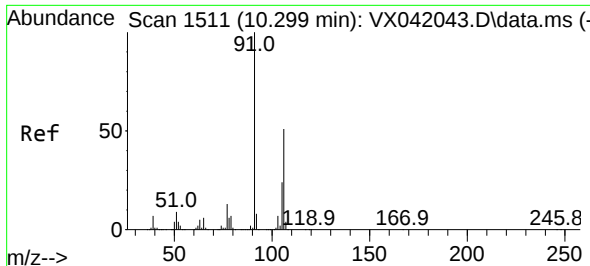
Tgt Ion:117 Resp: 216484
Ion Ratio Lower Upper
117 100
82 48.8 46.2 69.4
119 32.5 25.5 38.3



#67
Ethyl Benzene
Concen: 1.850 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX042053.D
Acq: 26 Jun 2024 15:13

Tgt Ion: 91 Resp: 13054
Ion Ratio Lower Upper
91 100
106 36.1 24.9 37.3

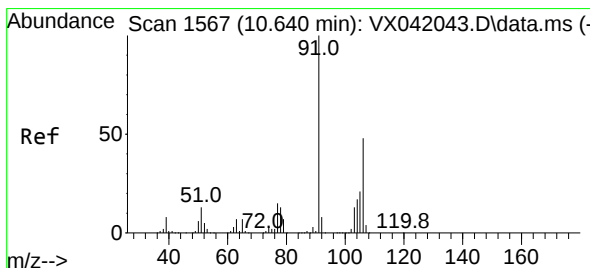
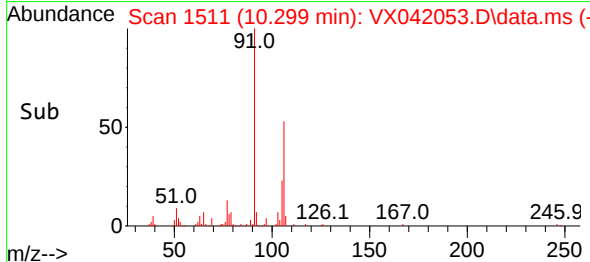
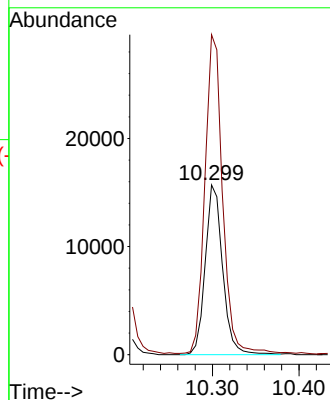
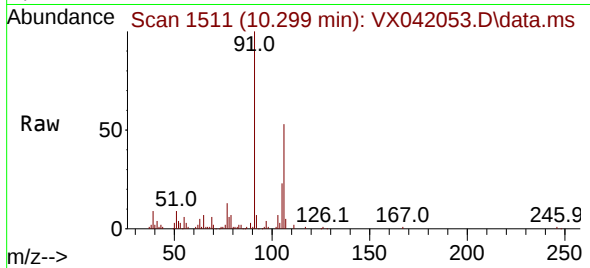




#68
m/p-Xylenes
Concen: 7.704 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX042053.D
Acq: 26 Jun 2024 15:13

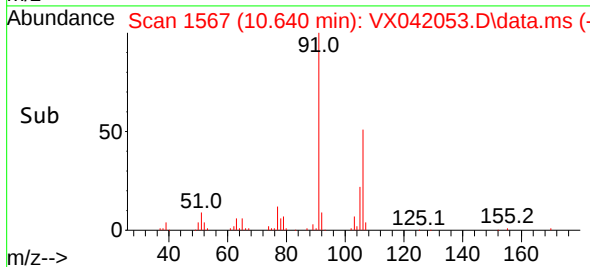
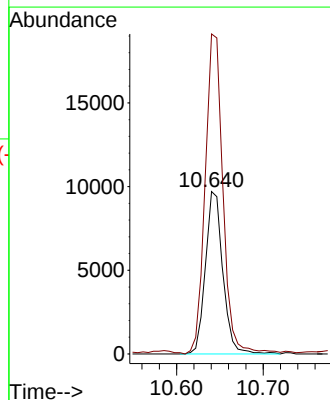
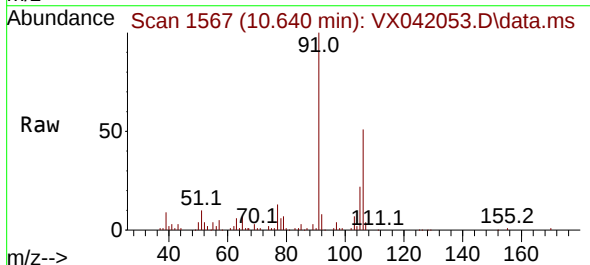
Instrument :
MSVOA_X
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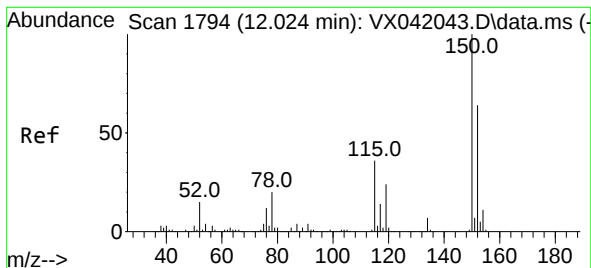
Tgt Ion:106 Resp: 21944
Ion Ratio Lower Upper
106 100
91 192.5 165.5 248.3



#69
o-Xylene
Concen: 4.813 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX042053.D
Acq: 26 Jun 2024 15:13

Tgt Ion:106 Resp: 13572
Ion Ratio Lower Upper
106 100
91 201.5 108.9 326.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX042053.D

Acq: 26 Jun 2024 15:13

Instrument :

MSVOA_X

ClientSampleId :

1419

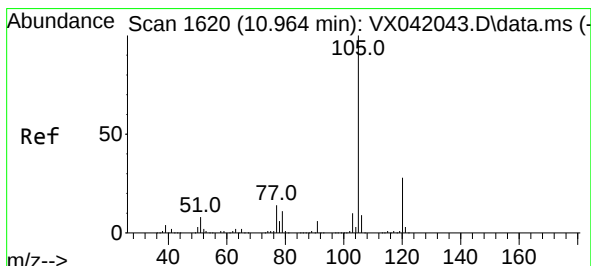
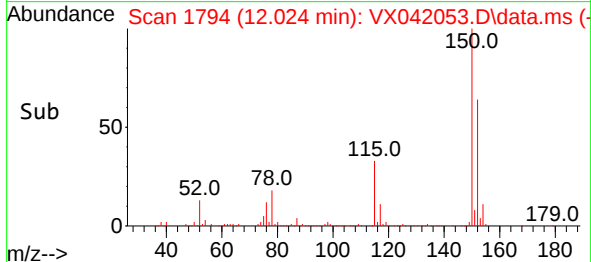
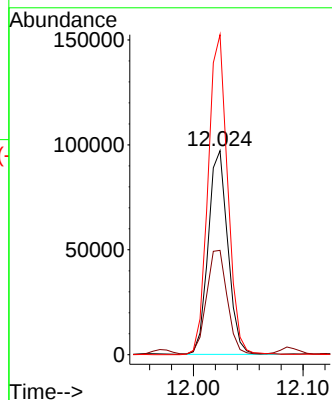
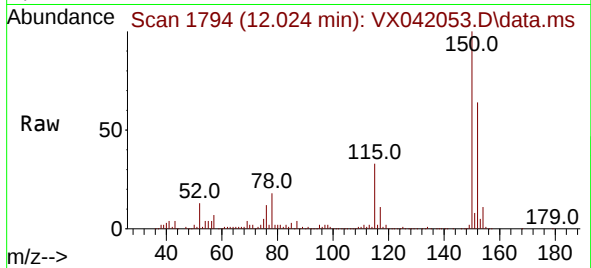
Tgt Ion:152 Resp: 120511

Ion Ratio Lower Upper

152 100

115 54.2 43.3 129.9

150 157.1 0.0 345.0



#73

Isopropylbenzene

Concen: 1.531 ug/l

RT: 10.963 min Scan# 1620

Delta R.T. 0.000 min

Lab File: VX042053.D

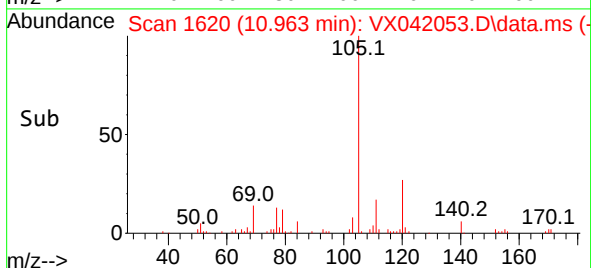
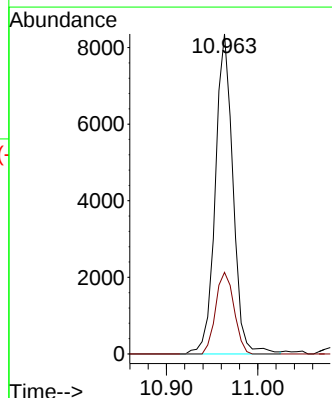
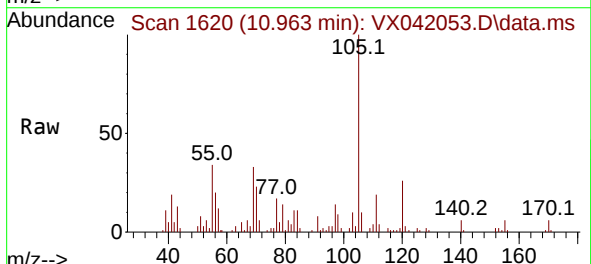
Acq: 26 Jun 2024 15:13

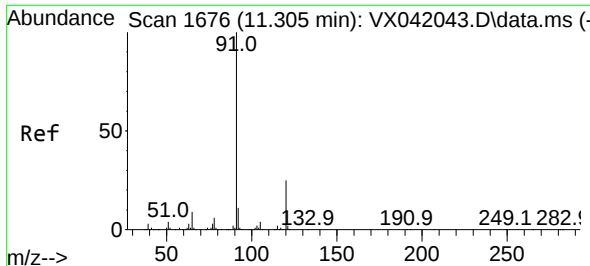
Tgt Ion:105 Resp: 11220

Ion Ratio Lower Upper

105 100

120 26.5 12.9 38.6

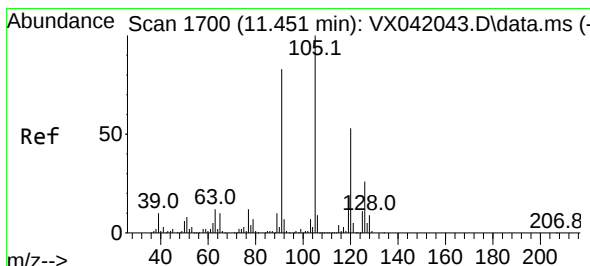
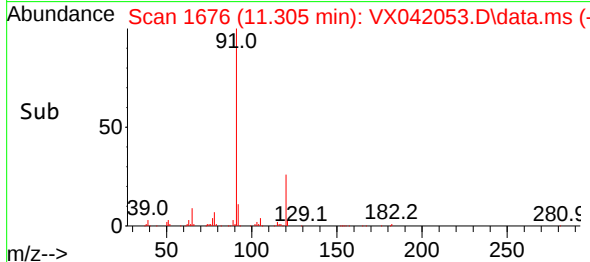
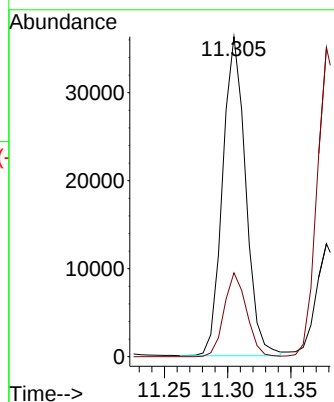
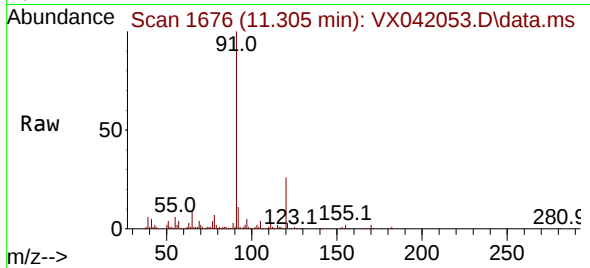




#78
n-propylbenzene
Concen: 5.755 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX042053.D
Acq: 26 Jun 2024 15:13

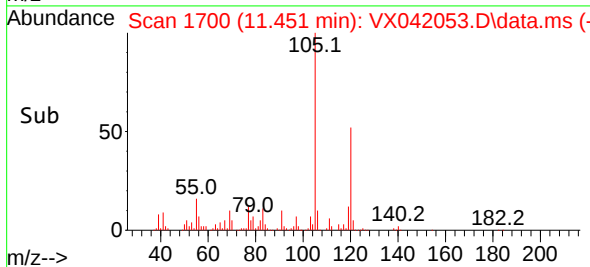
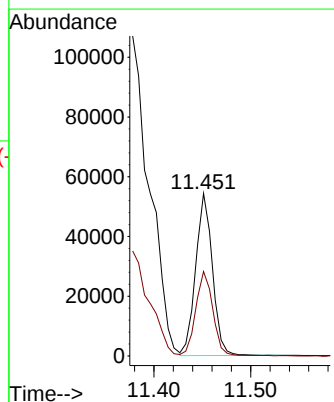
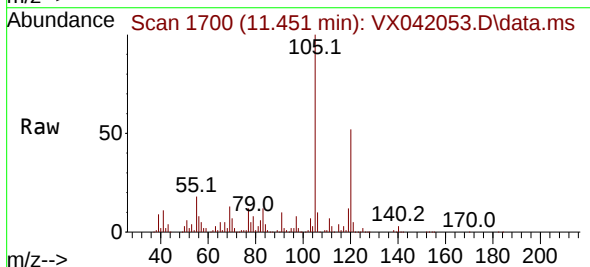
Instrument :
MSVOA_X
ClientSampleId :
1419

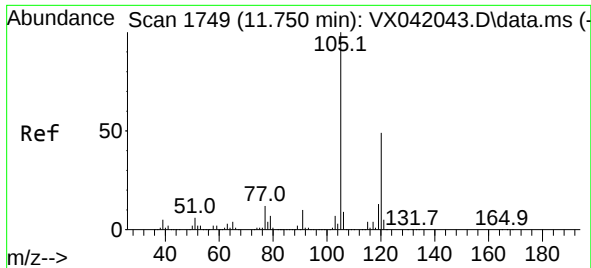
Tgt Ion: 91 Resp: 45753
Ion Ratio Lower Upper
91 100
120 25.6 11.5 34.4



#80
1,3,5-Trimethylbenzene
Concen: 10.704 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX042053.D
Acq: 26 Jun 2024 15:13

Tgt Ion: 105 Resp: 65332
Ion Ratio Lower Upper
105 100
120 53.6 24.1 72.3

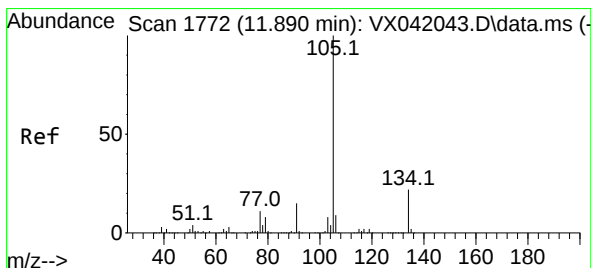
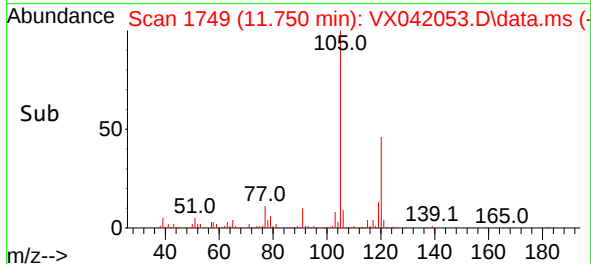
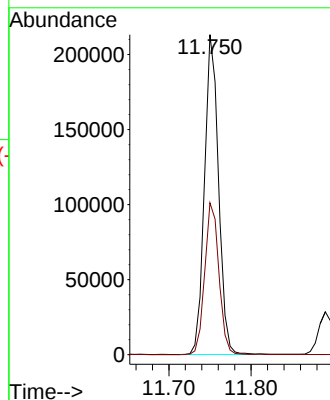
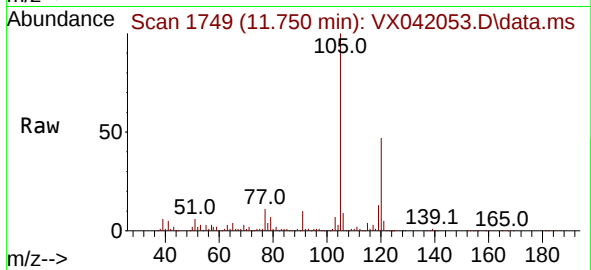




#84
 1,2,4-Trimethylbenzene
 Concen: 41.223 ug/l
 RT: 11.750 min Scan# 1749
 Delta R.T. 0.000 min
 Lab File: VX042053.D
 Acq: 26 Jun 2024 15:13

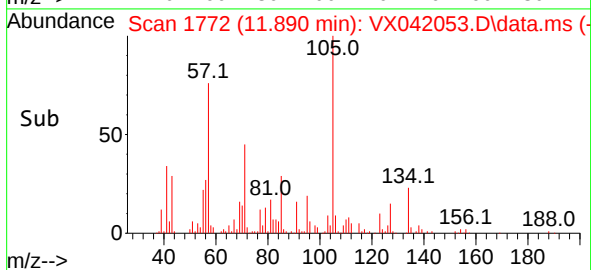
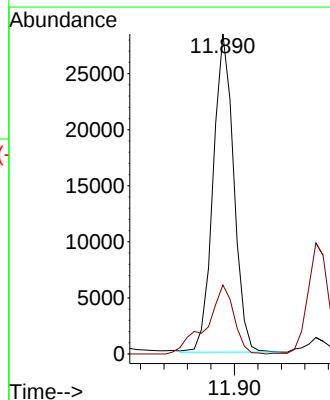
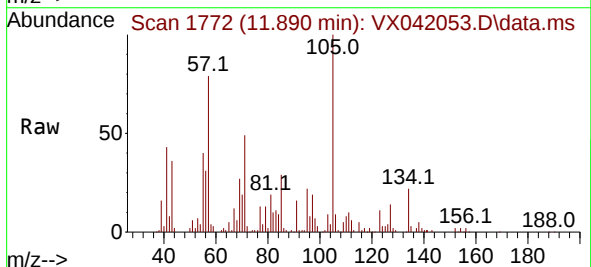
Instrument :
 MSVOA_X
 ClientSampleId :
 1419

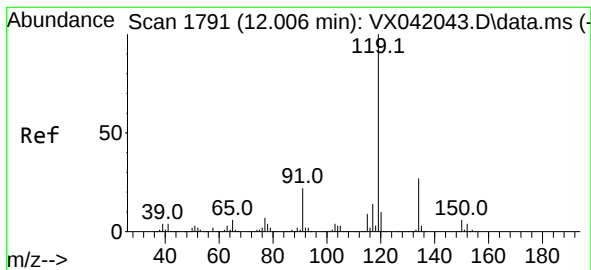
Tgt Ion:105 Resp: 252420
 Ion Ratio Lower Upper
 105 100
 120 48.3 21.2 63.6



#85
 sec-Butylbenzene
 Concen: 4.574 ug/l
 RT: 11.890 min Scan# 1772
 Delta R.T. 0.000 min
 Lab File: VX042053.D
 Acq: 26 Jun 2024 15:13

Tgt Ion:105 Resp: 34645
 Ion Ratio Lower Upper
 105 100
 134 28.7 9.8 29.4





#86

p-Isopropyltoluene

Concen: 3.234 ug/l

RT: 12.012 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX042053.D

Acq: 26 Jun 2024 15:13

Instrument :

MSVOA_X

ClientSampleId :

1419

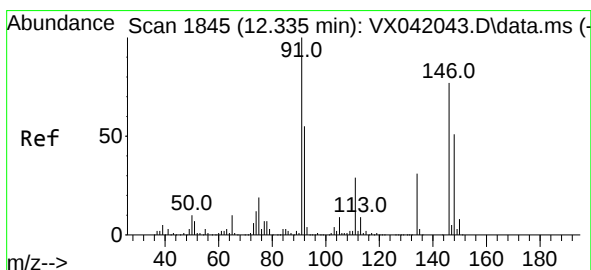
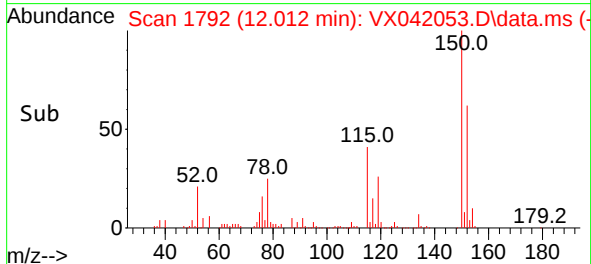
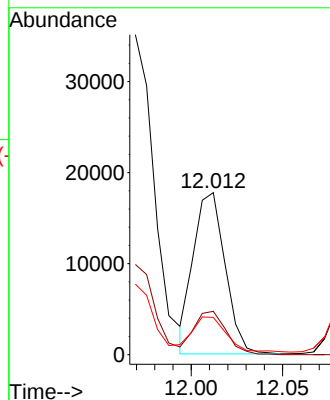
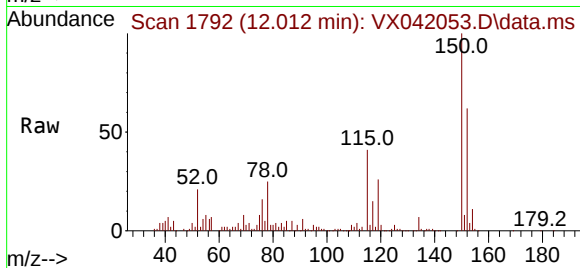
Tgt Ion:119 Resp: 21396

Ion Ratio Lower Upper

119 100

134 27.6 12.8 38.3

91 24.4 13.1 39.3



#89

n-Butylbenzene

Concen: 17.066 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. -0.006 min

Lab File: VX042053.D

Acq: 26 Jun 2024 15:13

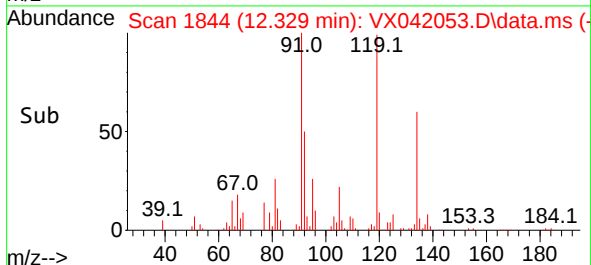
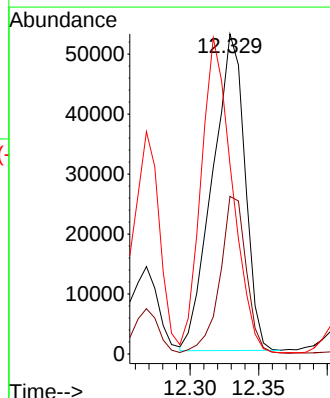
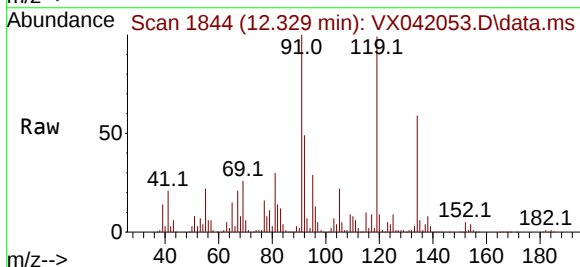
Tgt Ion: 91 Resp: 86927

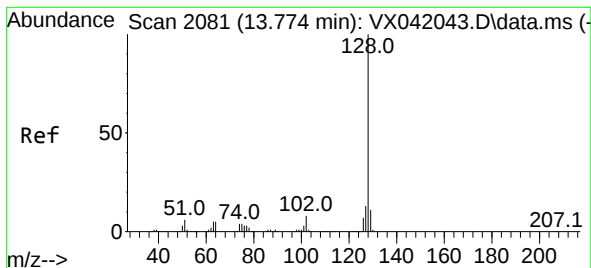
Ion Ratio Lower Upper

91 100

92 40.5 27.4 82.0

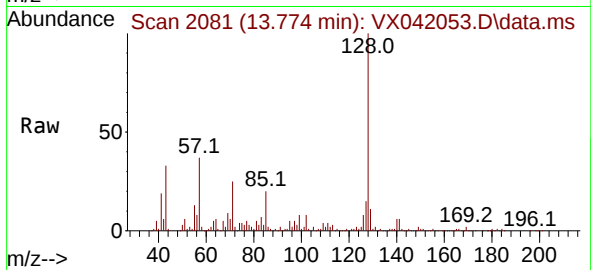
134 94.8 12.6 37.8#





#95
Naphthalene
Concen: 33.508 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX042053.D
Acq: 26 Jun 2024 15:13

Instrument :
MSVOA_X
ClientSampleId :
1419



Tgt Ion:128 Resp: 287347
Ion Ratio Lower Upper
128 100
127 13.6 10.3 15.5
129 12.4 8.8 13.2

