

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032123\
 Data File : VX034651.D
 Acq On : 21 Mar 2023 13:53
 Operator : JC/MD
 Sample : 02013-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 31993

Quant Time: Mar 22 02:03:47 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031023W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 13 10:29:32 2023
 Response via : Initial Calibration

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

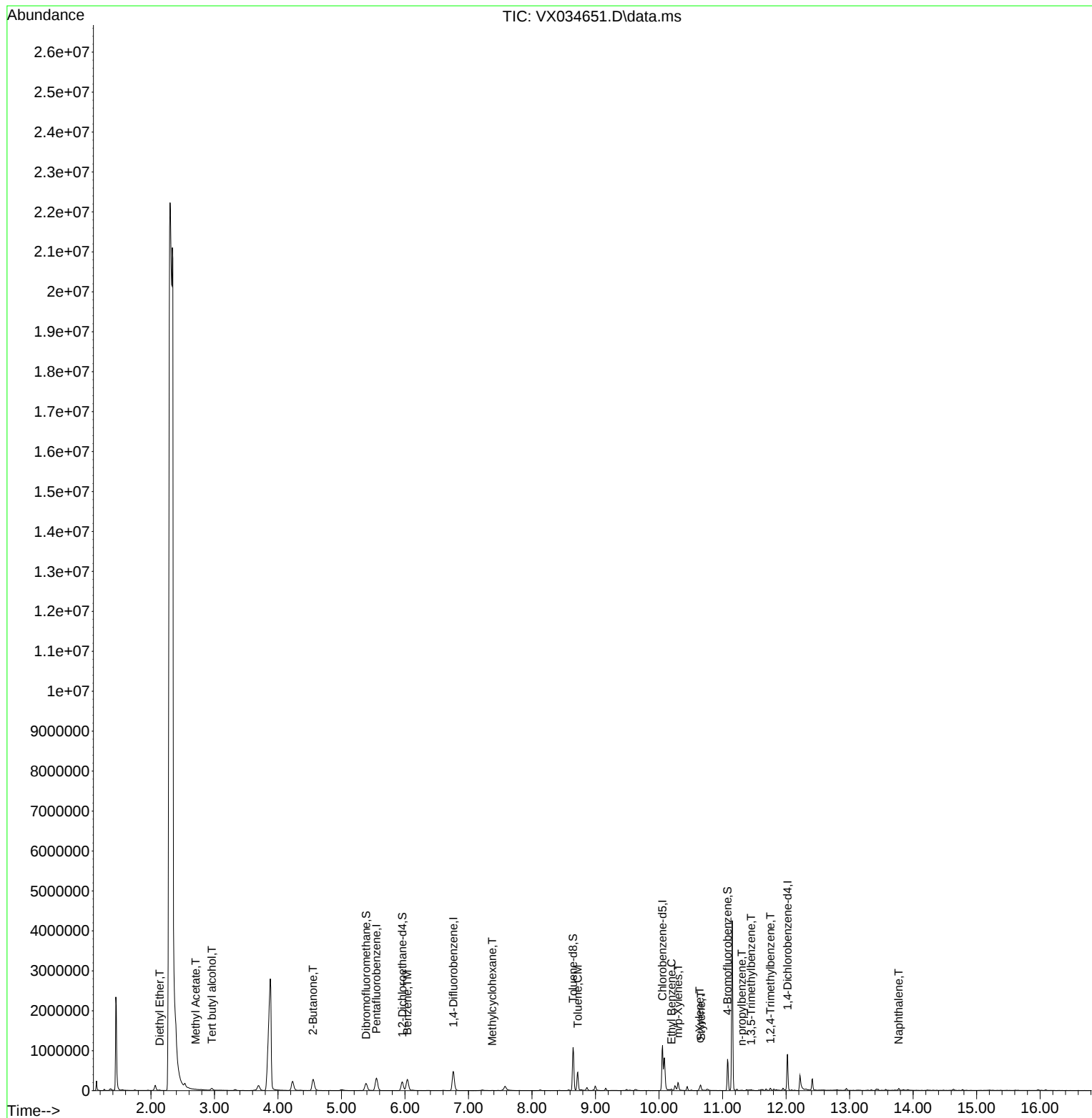
Internal Standards						
1) Pentafluorobenzene	5.550	168	280212	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	470826	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	466393	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	178591	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	205929	50.516	ug/l	0.01
Spiked Amount	50.000	Range	78 - 117	Recovery	= 101.040%	
35) Dibromofluoromethane	5.385	113	149908	48.223	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 96.440%	
50) Toluene-d8	8.647	98	615813	53.066	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 106.140%	
62) 4-Bromofluorobenzene	11.079	95	203494	43.413	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 86.820%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	2.136	74	3029	1.552	ug/l #	1
11) Tert butyl alcohol	2.959	59	39382	46.392	ug/l	96
18) Methyl Acetate	2.703	43	6007	0.957	ug/l	100
25) 2-Butanone	4.550	43	491112	178.742	ug/l	99
39) Methylcyclohexane	7.373	83	2121	0.371	ug/l #	78
40) Benzene	6.037	78	324434	23.228	ug/l	99
52) Toluene	8.720	92	169419	19.592	ug/l	99
67) Ethyl Benzene	10.195	91	18657	1.018	ug/l	95
68) m/p-Xylenes	10.299	106	38060	5.408	ug/l	94
69) o-Xylene	10.640	106	13005	1.841	ug/l	96
70) Styrene	10.659	104	45862	4.025	ug/l	95
78) n-propylbenzene	11.305	91	3249	0.204	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	8340	0.720	ug/l	95
84) 1,2,4-Trimethylbenzene	11.756	105	23203	1.961	ug/l	95
95) Naphthalene	13.774	128	26369	2.005	ug/l	98

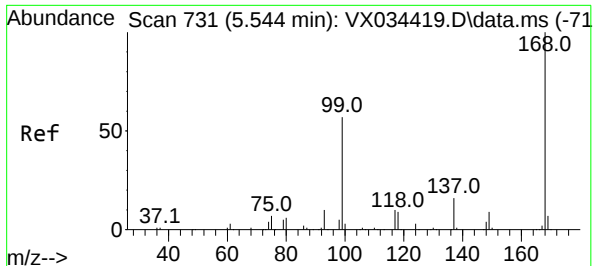
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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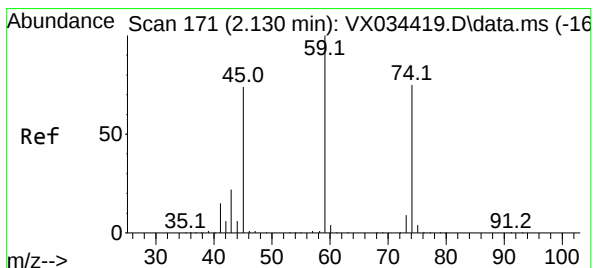
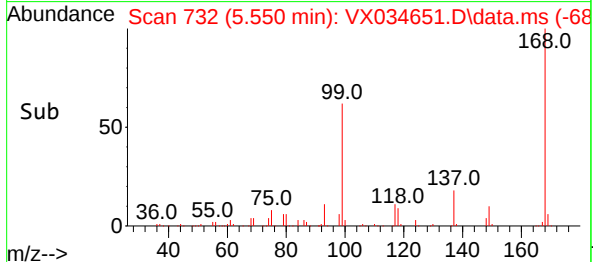
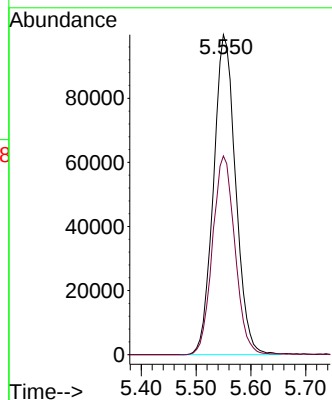
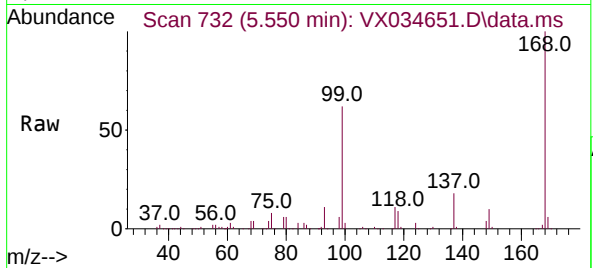




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX034651.D
Acq: 21 Mar 2023 13:53

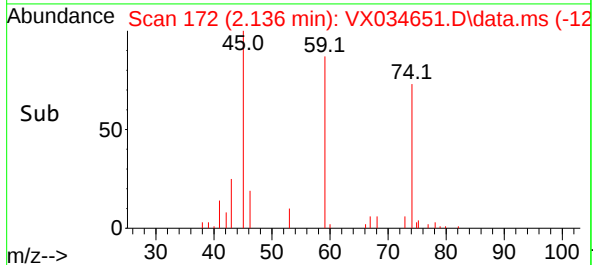
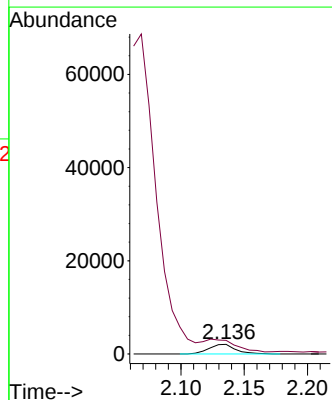
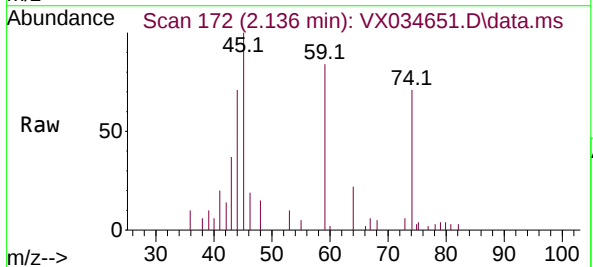
Instrument :
MSVOA_X
ClientSampleId :
31993

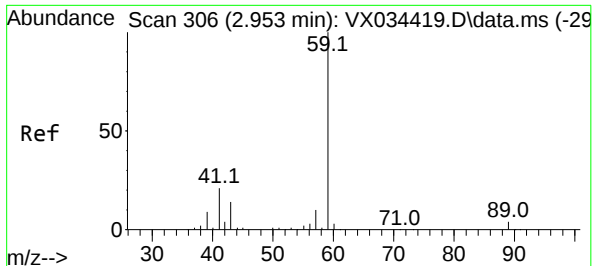
Tgt Ion:168 Resp: 280212
Ion Ratio Lower Upper
168 100
99 62.1 45.7 68.5



#8
Diethyl Ether
Concen: 1.552 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.006 min
Lab File: VX034651.D
Acq: 21 Mar 2023 13:53

Tgt Ion: 74 Resp: 3029
Ion Ratio Lower Upper
74 100
45 0.0 49.8 149.3#





#11

Tert butyl alcohol

Concen: 46.392 ug/l

RT: 2.959 min Scan# 306

Delta R.T. 0.006 min

Lab File: VX034651.D

Acq: 21 Mar 2023 13:53

Instrument :

MSVOA_X

ClientSampleId :

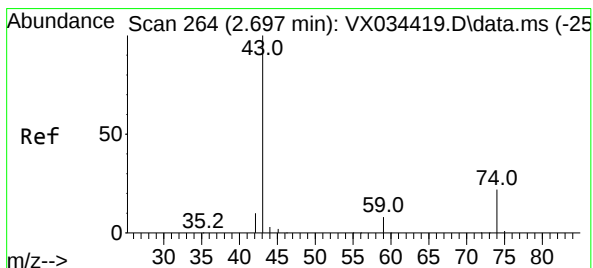
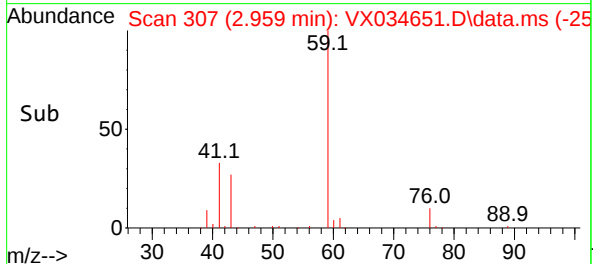
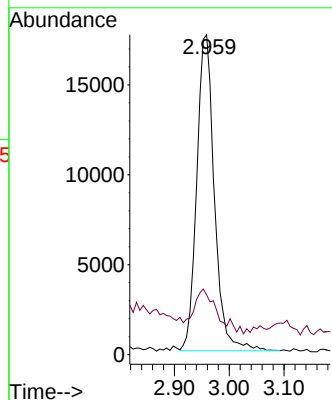
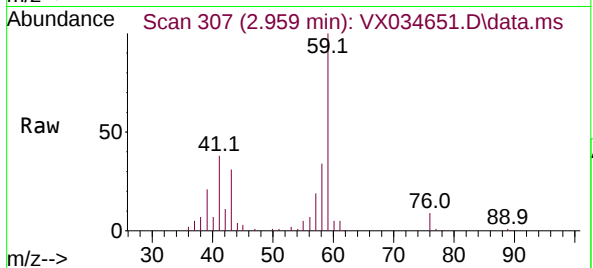
31993

Tgt Ion: 59 Resp: 39382

Ion Ratio Lower Upper

59 100

57 11.7 8.1 12.1



#18

Methyl Acetate

Concen: 0.957 ug/l

RT: 2.703 min Scan# 265

Delta R.T. 0.006 min

Lab File: VX034651.D

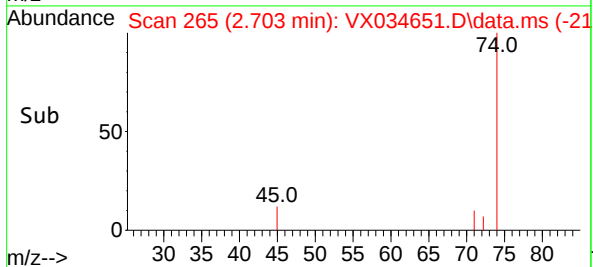
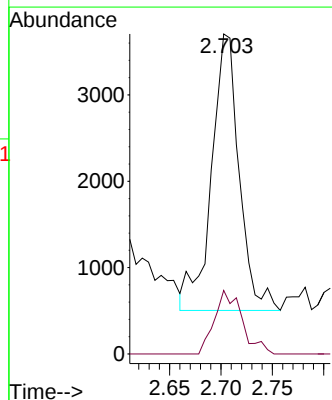
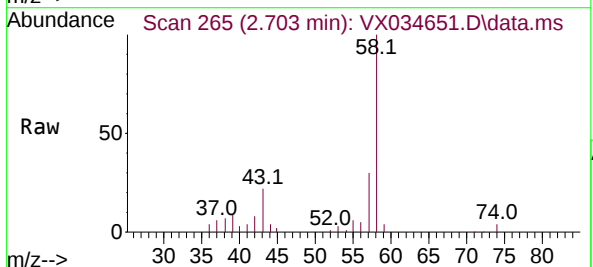
Acq: 21 Mar 2023 13:53

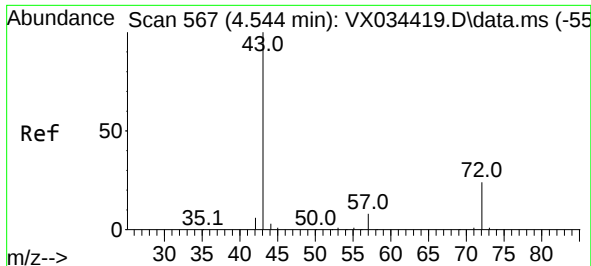
Tgt Ion: 43 Resp: 6007

Ion Ratio Lower Upper

43 100

74 22.9 18.3 27.5

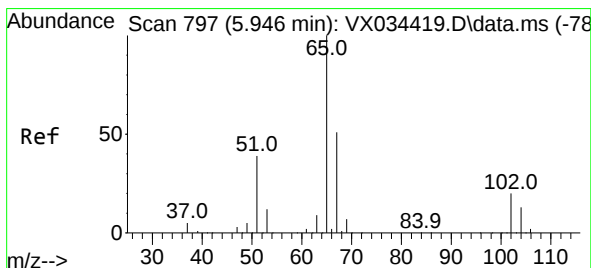
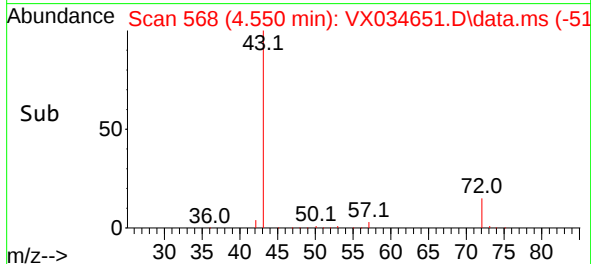
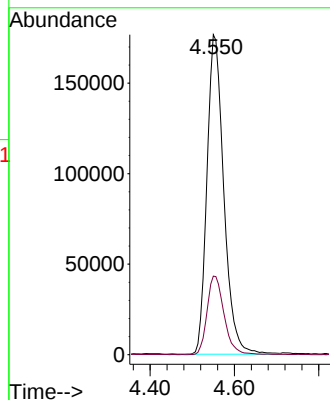
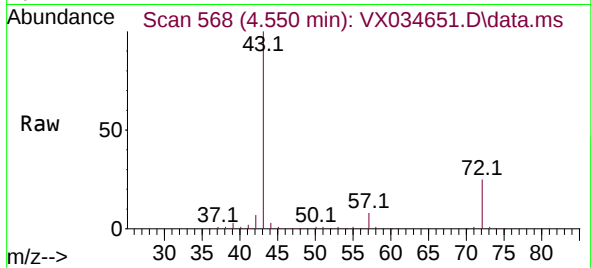




#25
2-Butanone
Concen: 178.742 ug/l
RT: 4.550 min Scan# 50
Delta R.T. 0.006 min
Lab File: VX034651.D
Acq: 21 Mar 2023 13:53

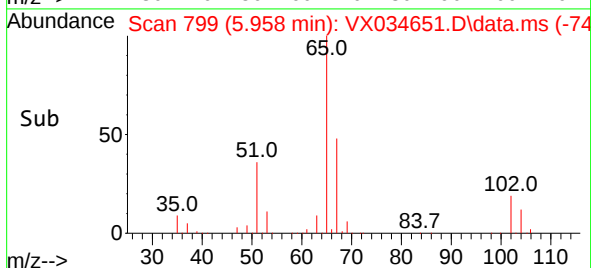
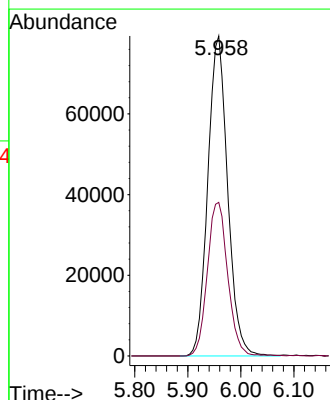
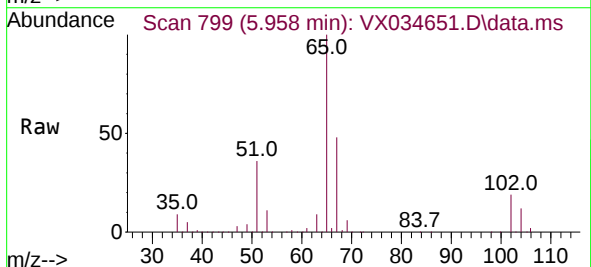
Instrument :
MSVOA_X
ClientSampleId :
31993

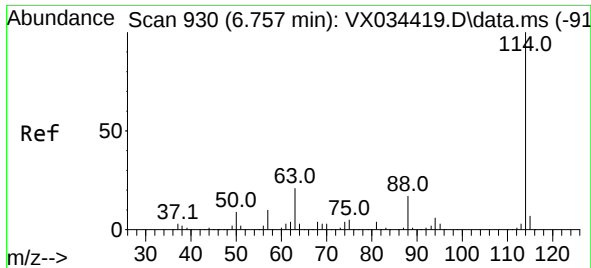
Tgt Ion: 43 Resp: 491112
Ion Ratio Lower Upper
43 100
72 24.6 19.3 28.9



#33
1,2-Dichloroethane-d4
Concen: 50.516 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.012 min
Lab File: VX034651.D
Acq: 21 Mar 2023 13:53

Tgt Ion: 65 Resp: 205929
Ion Ratio Lower Upper
65 100
67 49.4 0.0 104.0

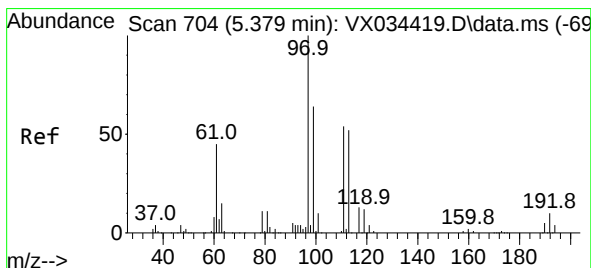
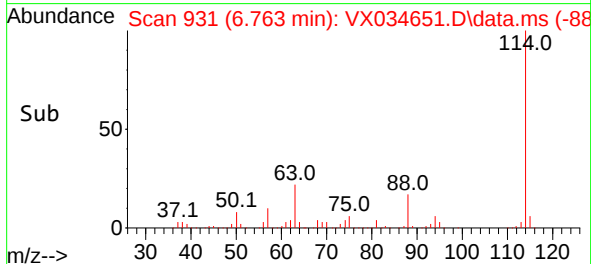
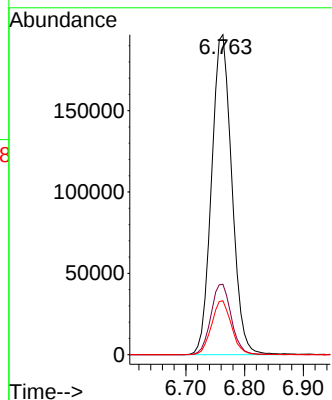
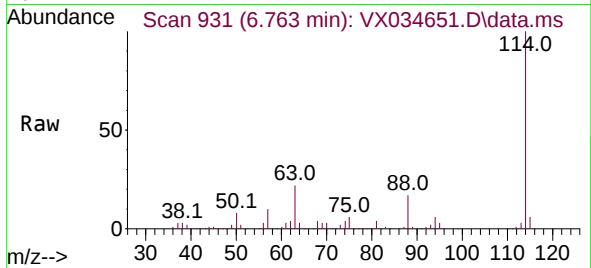




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX034651.D
Acq: 21 Mar 2023 13:53

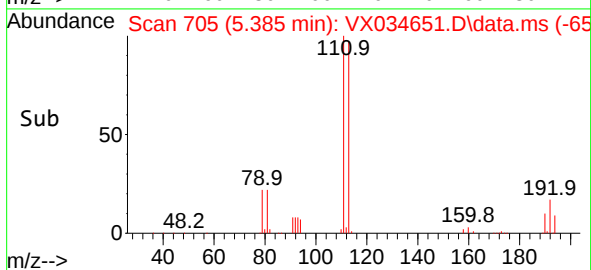
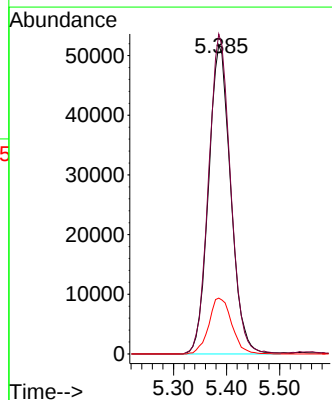
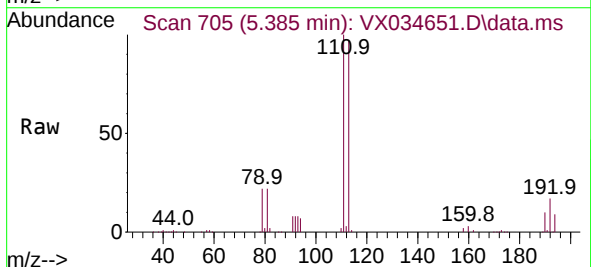
Instrument :
MSVOA_X
ClientSampleId :
31993

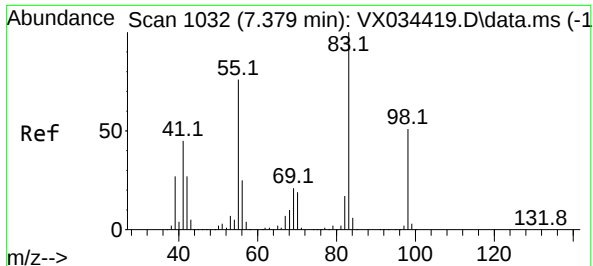
Tgt Ion:114 Resp: 470826
Ion Ratio Lower Upper
114 100
63 22.0 0.0 42.2
88 16.8 0.0 33.2



#35
Dibromofluoromethane
Concen: 48.223 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX034651.D
Acq: 21 Mar 2023 13:53

Tgt Ion:113 Resp: 149908
Ion Ratio Lower Upper
113 100
111 103.0 83.7 125.5
192 18.8 15.4 23.2





#39

Methylcyclohexane

Concen: 0.371 ug/l

RT: 7.373 min Scan# 1031

Delta R.T. -0.006 min

Lab File: VX034651.D

Acq: 21 Mar 2023 13:53

Instrument :

MSVOA_X

ClientSampleId :

31993

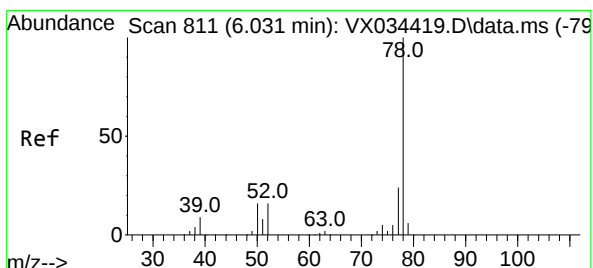
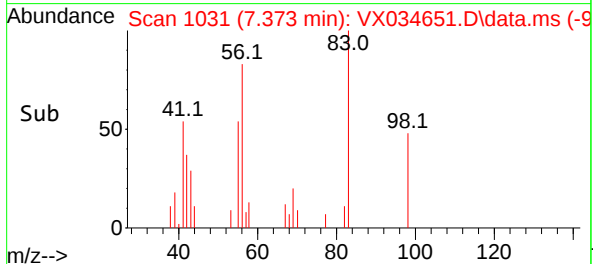
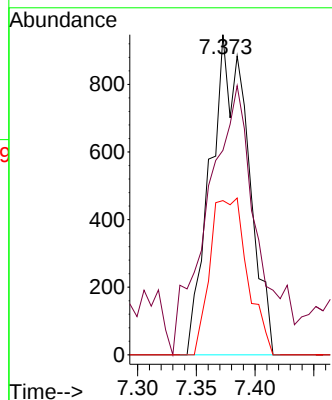
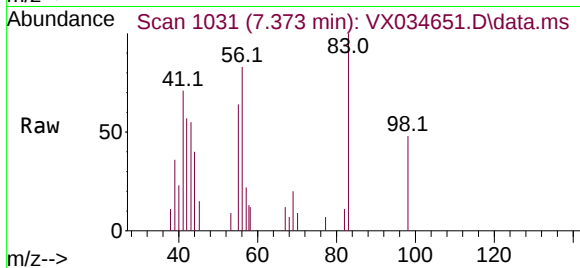
Tgt Ion: 83 Resp: 2121

Ion Ratio Lower Upper

83 100

55 46.4 60.5 90.7#

98 48.2 40.4 60.6



#40

Benzene

Concen: 23.228 ug/l

RT: 6.037 min Scan# 812

Delta R.T. 0.006 min

Lab File: VX034651.D

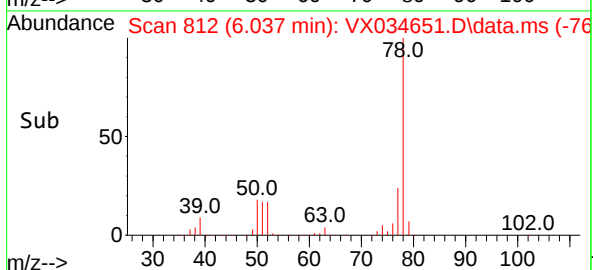
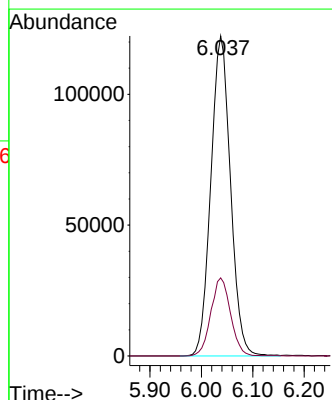
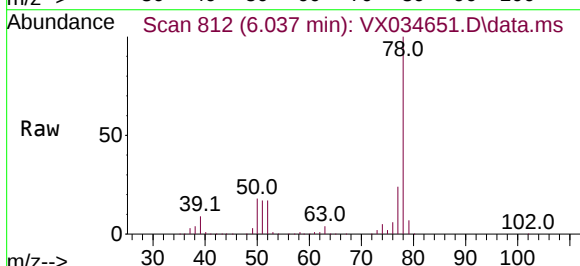
Acq: 21 Mar 2023 13:53

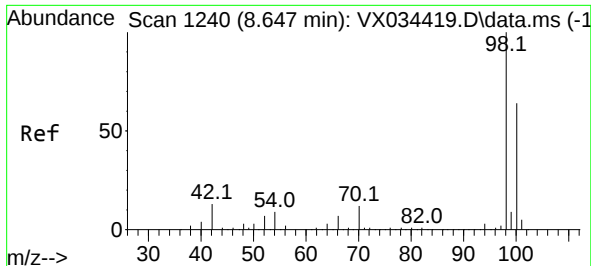
Tgt Ion: 78 Resp: 324434

Ion Ratio Lower Upper

78 100

77 24.4 19.0 28.4

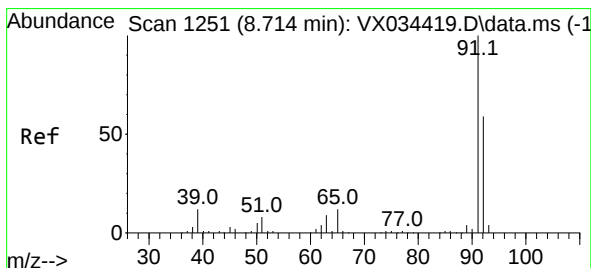
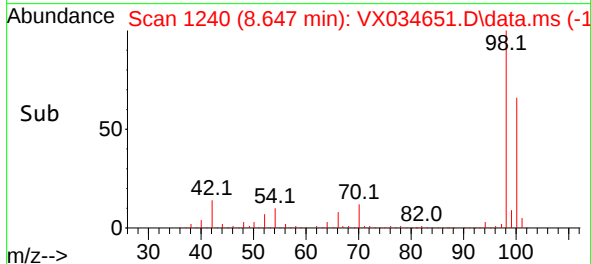
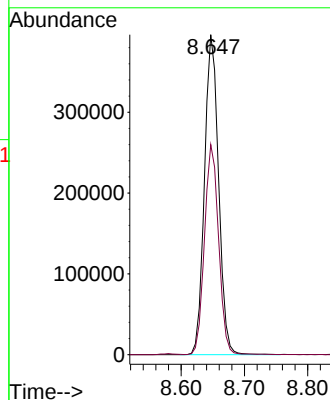
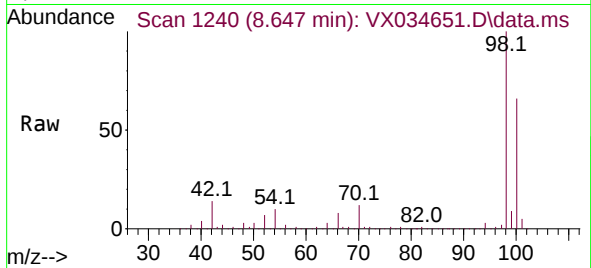




#50
Toluene-d8
Concen: 53.066 ug/l
RT: 8.647 min Scan# 1193
Delta R.T. -0.000 min
Lab File: VX034651.D
Acq: 21 Mar 2023 13:53

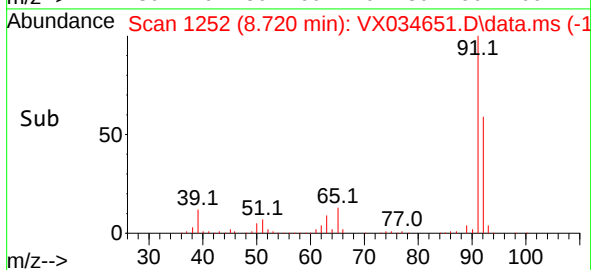
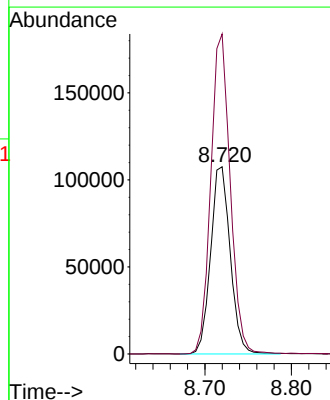
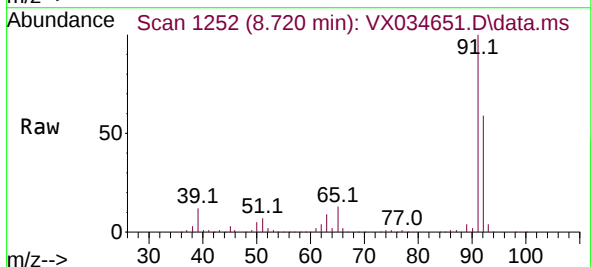
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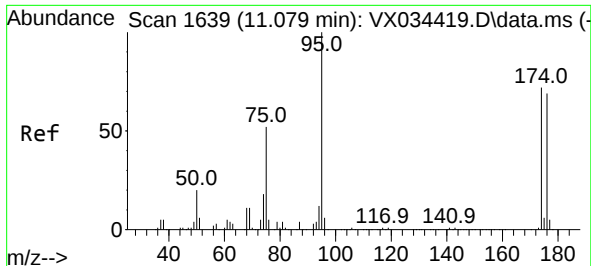
Tgt Ion: 98 Resp: 615813
Ion Ratio Lower Upper
98 100
100 65.6 52.5 78.7



#52
Toluene
Concen: 19.592 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX034651.D
Acq: 21 Mar 2023 13:53

Tgt Ion: 92 Resp: 169419
Ion Ratio Lower Upper
92 100
91 169.6 136.8 205.2

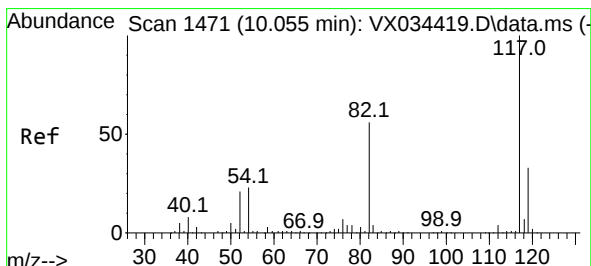
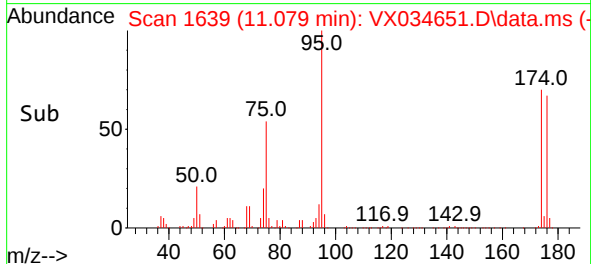
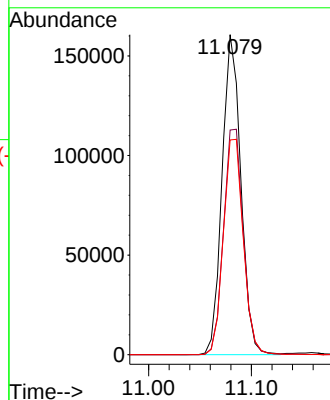
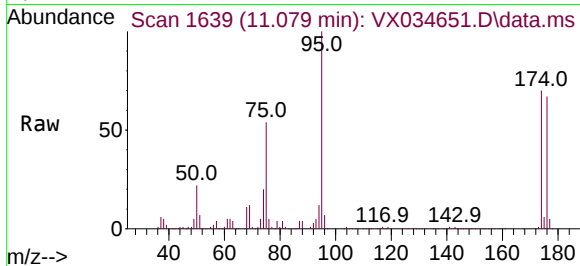




#62
4-Bromofluorobenzene
Concen: 43.413 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX034651.D
Acq: 21 Mar 2023 13:53

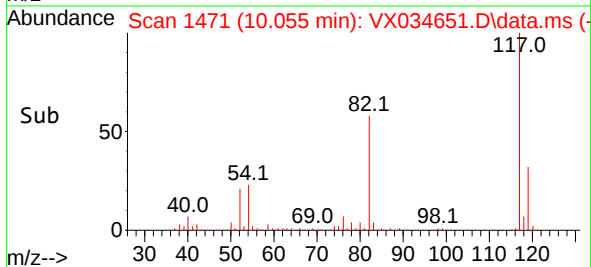
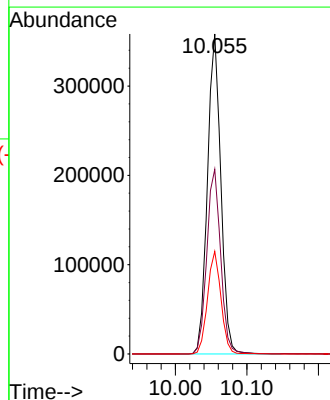
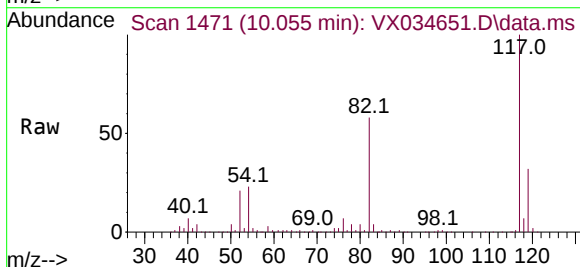
Instrument :
MSVOA_X
ClientSampleId :
31993

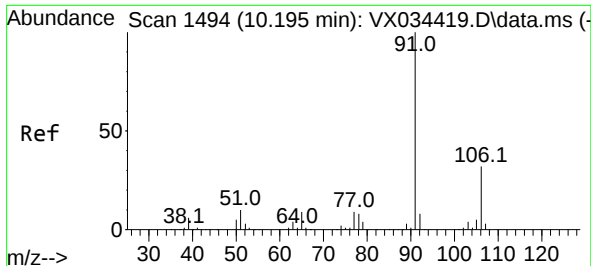
Tgt Ion: 95 Resp: 203494
Ion Ratio Lower Upper
95 100
174 74.2 0.0 147.4
176 71.5 0.0 140.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX034651.D
Acq: 21 Mar 2023 13:53

Tgt Ion: 117 Resp: 466393
Ion Ratio Lower Upper
117 100
82 57.7 45.0 67.4
119 32.0 26.0 39.0

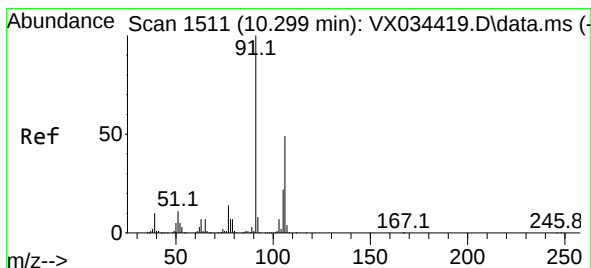
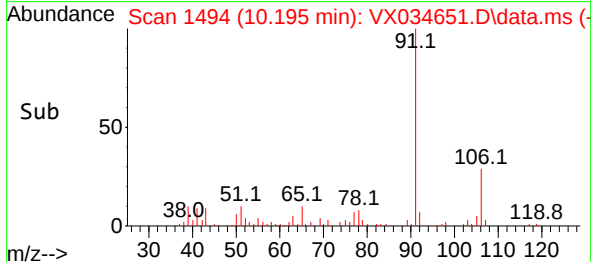
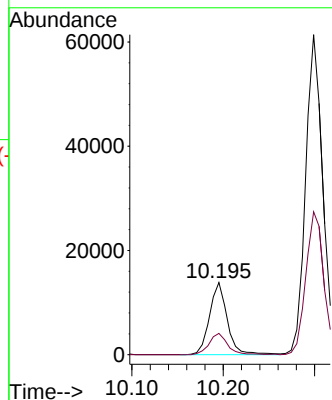
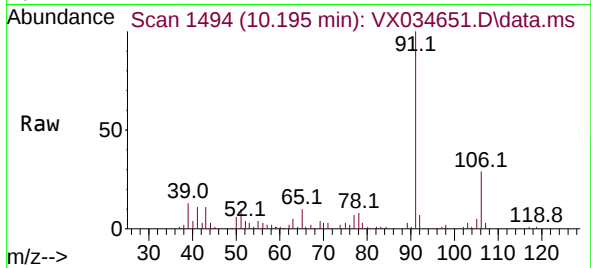




#67
Ethyl Benzene
Concen: 1.018 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. -0.000 min
Lab File: VX034651.D
Acq: 21 Mar 2023 13:53

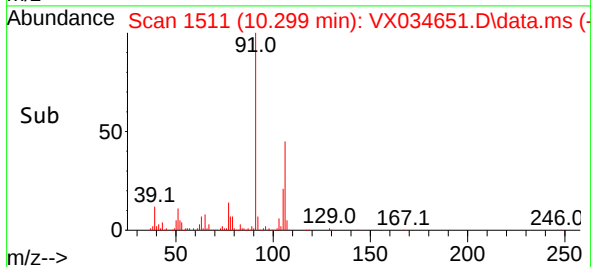
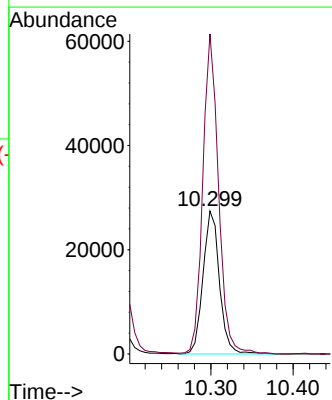
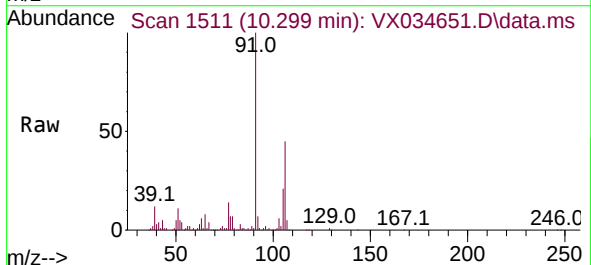
Instrument :
MSVOA_X
ClientSampleId :
31993

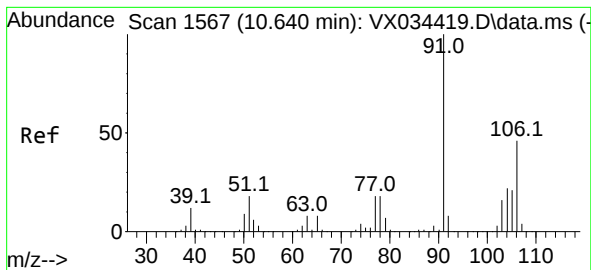
Tgt Ion: 91 Resp: 18657
Ion Ratio Lower Upper
91 100
106 29.4 25.6 38.4



#68
m/p-Xylenes
Concen: 5.408 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX034651.D
Acq: 21 Mar 2023 13:53

Tgt Ion: 106 Resp: 38060
Ion Ratio Lower Upper
106 100
91 214.4 164.0 246.0





#69

o-Xylene

Concen: 1.841 ug/l

RT: 10.640 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX034651.D

Acq: 21 Mar 2023 13:53

Instrument :

MSVOA_X

ClientSampleId :

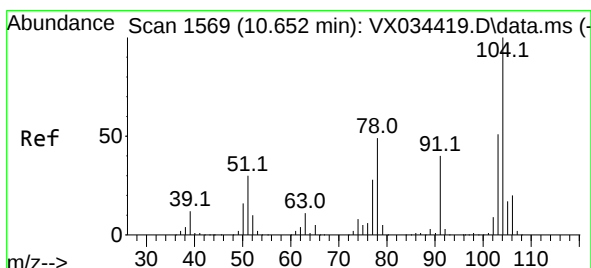
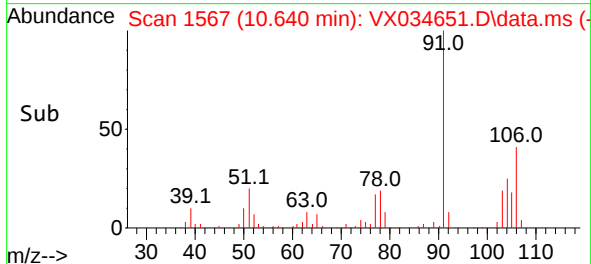
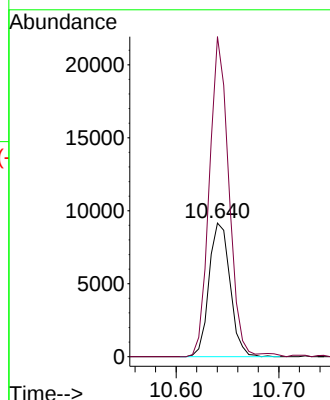
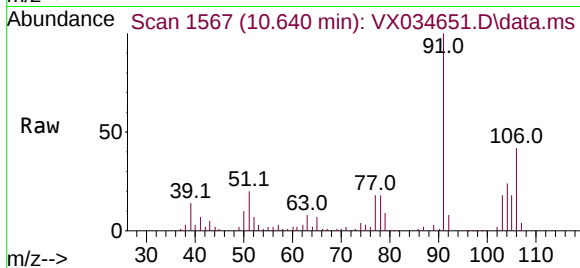
31993

Tgt Ion:106 Resp: 13005

Ion Ratio Lower Upper

106 100

91 222.6 108.5 325.3



#70

Styrene

Concen: 4.025 ug/l

RT: 10.659 min Scan# 1570

Delta R.T. 0.006 min

Lab File: VX034651.D

Acq: 21 Mar 2023 13:53

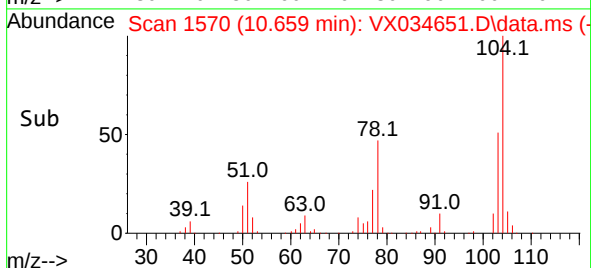
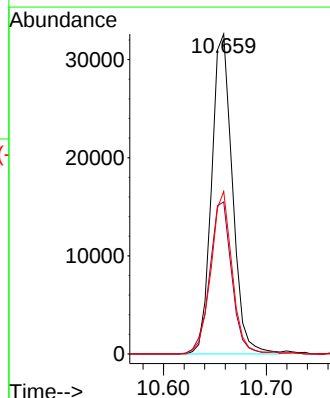
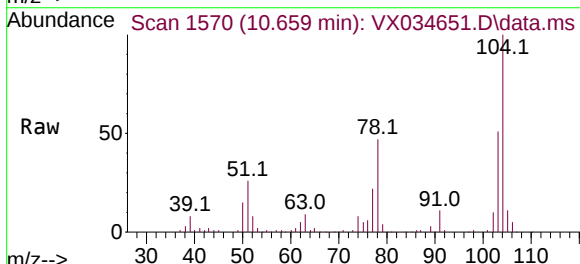
Tgt Ion:104 Resp: 45862

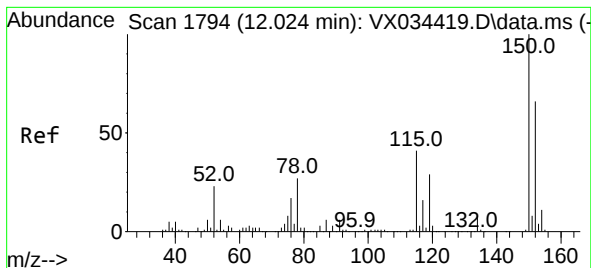
Ion Ratio Lower Upper

104 100

78 50.7 43.4 65.2

103 51.8 44.2 66.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX034651.D

Acq: 21 Mar 2023 13:53

Instrument :

MSVOA_X

ClientSampleId :

31993

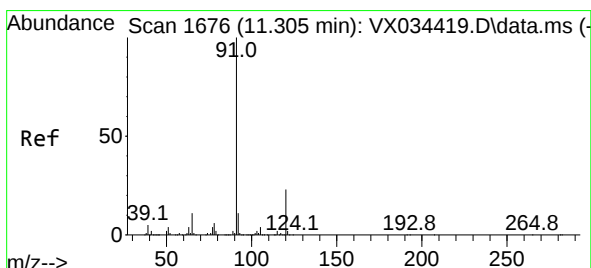
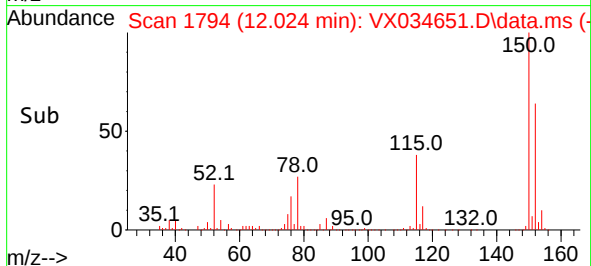
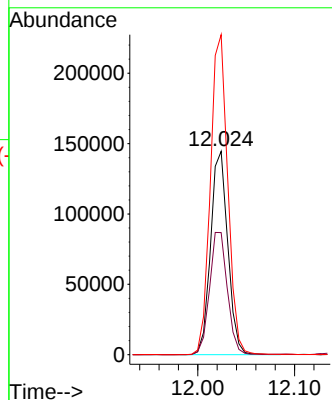
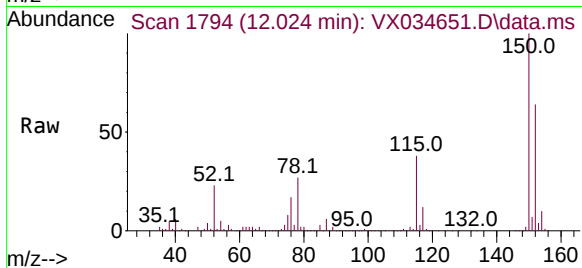
Tgt Ion:152 Resp: 178591

Ion Ratio Lower Upper

152 100

115 62.4 45.0 135.0

150 158.8 0.0 352.4



#78

n-propylbenzene

Concen: 0.204 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. -0.000 min

Lab File: VX034651.D

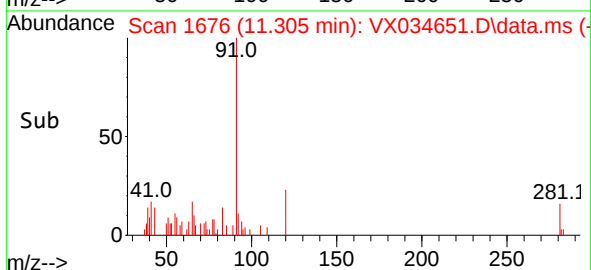
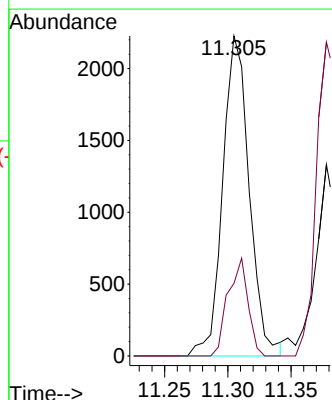
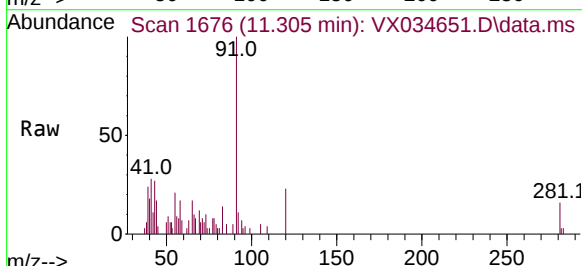
Acq: 21 Mar 2023 13:53

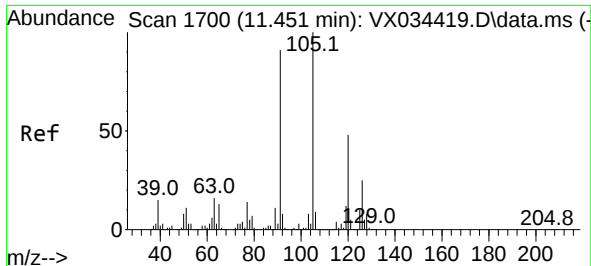
Tgt Ion: 91 Resp: 3249

Ion Ratio Lower Upper

91 100

120 23.0 11.5 34.5

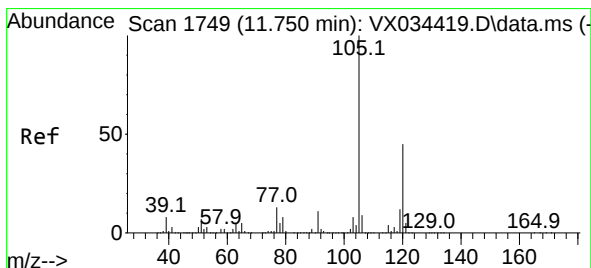
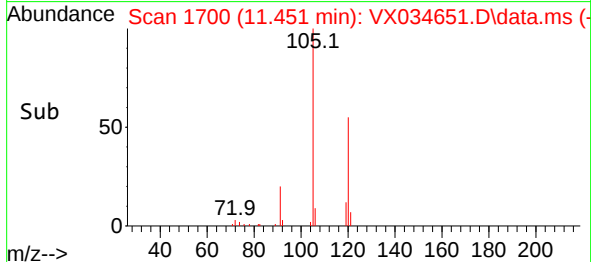
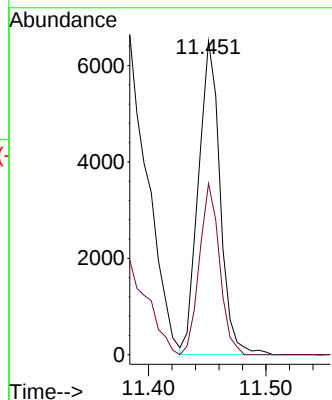
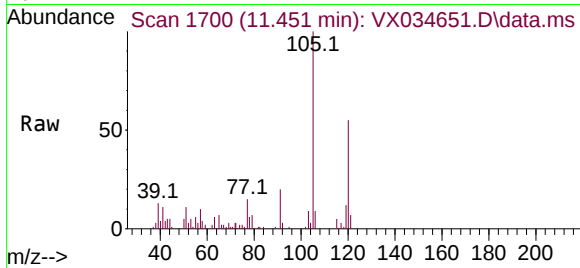




#80
 1,3,5-Trimethylbenzene
 Concen: 0.720 ug/l
 RT: 11.451 min Scan# 1700
 Delta R.T. -0.000 min
 Lab File: VX034651.D
 Acq: 21 Mar 2023 13:53

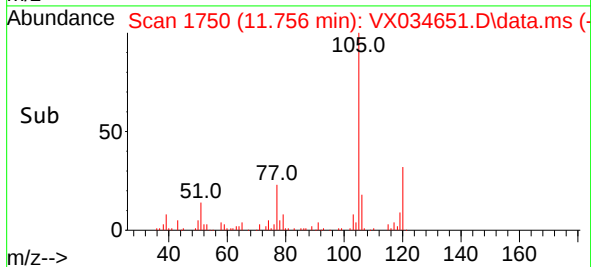
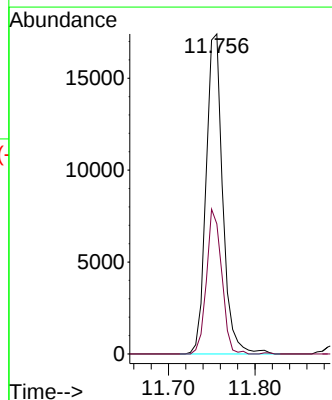
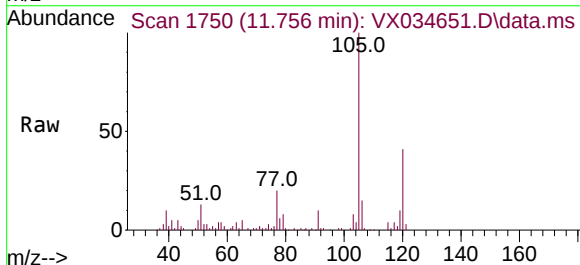
Instrument :
 MSVOA_X
 ClientSampleId :
 31993

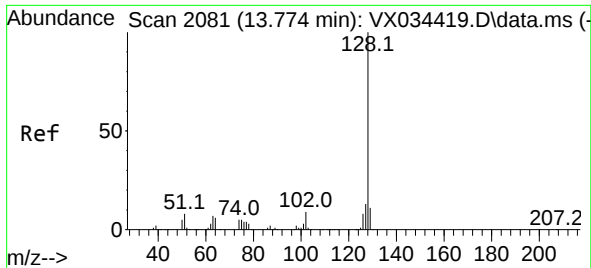
Tgt Ion:105 Resp: 8340
 Ion Ratio Lower Upper
 105 100
 120 50.7 23.7 71.1



#84
 1,2,4-Trimethylbenzene
 Concen: 1.961 ug/l
 RT: 11.756 min Scan# 1750
 Delta R.T. 0.006 min
 Lab File: VX034651.D
 Acq: 21 Mar 2023 13:53

Tgt Ion:105 Resp: 23203
 Ion Ratio Lower Upper
 105 100
 120 41.2 22.4 67.0





#95

Naphthalene

Concen: 2.005 ug/l

RT: 13.774 min Scan# 20

Delta R.T. -0.000 min

Lab File: VX034651.D

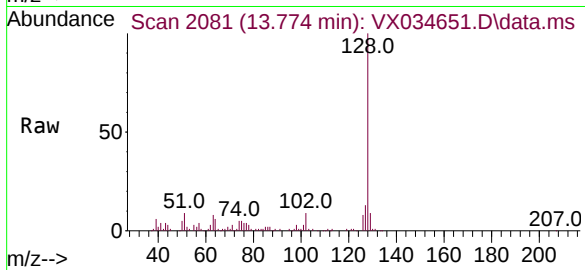
Acq: 21 Mar 2023 13:53

Instrument :

MSVOA_X

ClientSampleId :

31993



Tgt Ion:128 Resp: 26369

Ion Ratio Lower Upper

128 100

127 13.5 10.2 15.4

129 11.6 8.6 13.0

