

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041323\
 Data File : VX035046.D
 Acq On : 12 Apr 2023 15:11
 Operator : JC/MD
 Sample : 02267-03DL 4X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 33988DL

Quant Time: Apr 13 02:35:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X032923W.M
 Quant Title : SW846 8260
 QLast Update : Sat Apr 01 01:50:18 2023
 Response via : Initial Calibration

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

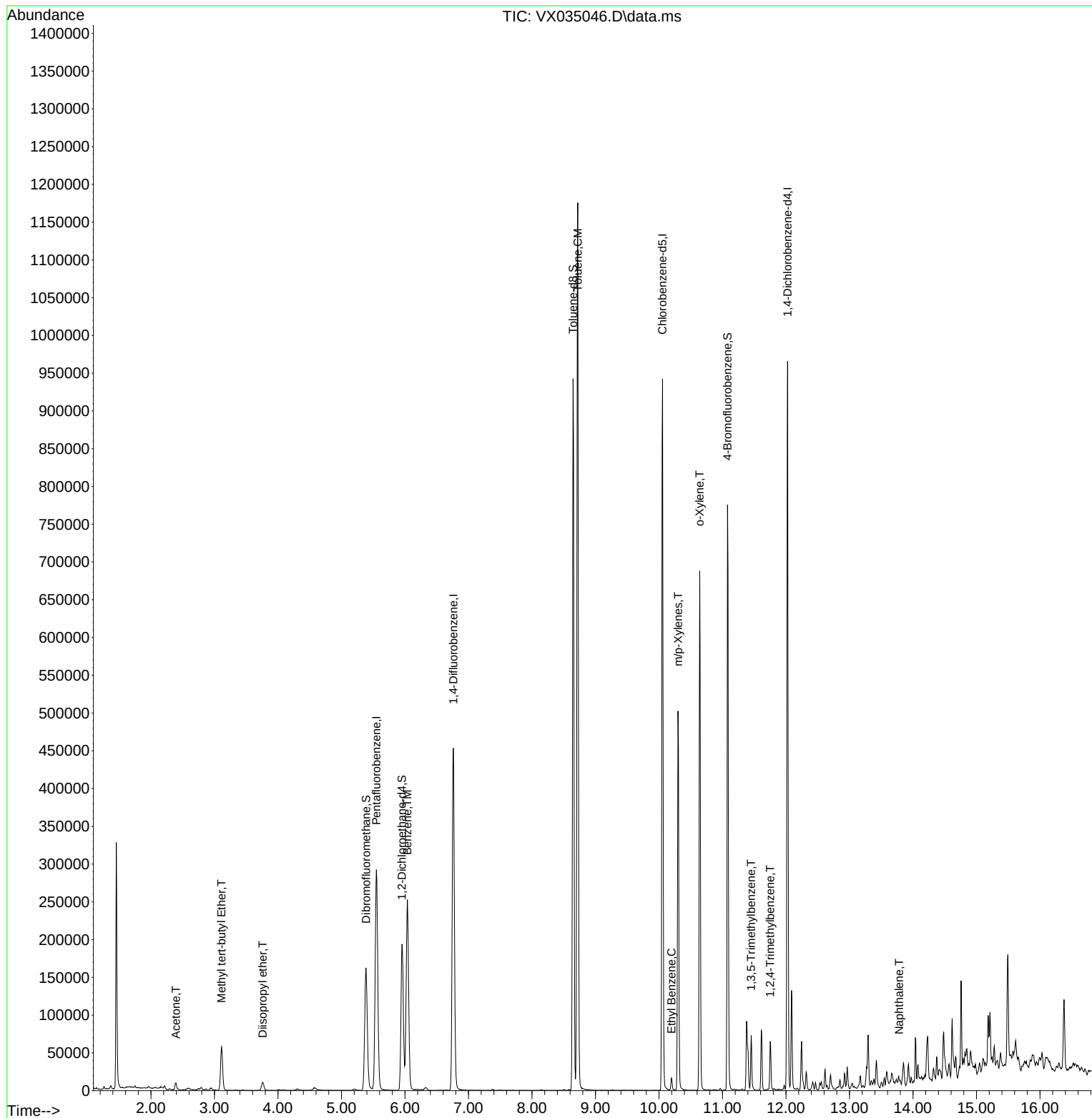
Internal Standards						
1) Pentafluorobenzene	5.550	168	270064	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	459510	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	416852	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	195879	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	187746	45.456	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	90.920%
35) Dibromofluoromethane	5.385	113	141072	46.416	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.840%
50) Toluene-d8	8.647	98	551970	49.203	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.400%
62) 4-Bromofluorobenzene	11.079	95	214086	49.315	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	98.640%
Target Compounds						
					Qvalue	
16) Acetone	2.392	43	11622	6.927	ug/l	94
19) Methyl tert-butyl Ether	3.111	73	61999	6.040	ug/l	92
22) Diisopropyl ether	3.758	45	11683	1.066	ug/l #	73
40) Benzene	6.038	78	299312	23.156	ug/l	99
52) Toluene	8.720	92	447433	53.090	ug/l	99
67) Ethyl Benzene	10.195	91	9532	0.607	ug/l #	88
68) m/p-Xylenes	10.299	106	114949	19.153	ug/l	98
69) o-Xylene	10.640	106	142508	24.238	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	31125	2.594	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	29295	2.401	ug/l	99
95) Naphthalene	13.780	128	5022	0.385	ug/l #	79

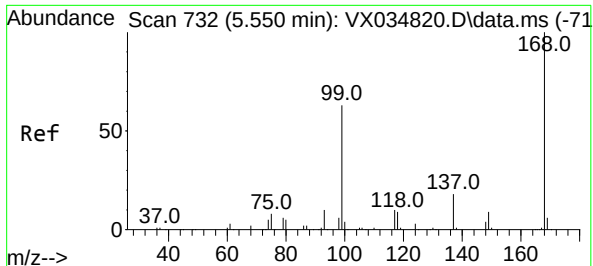
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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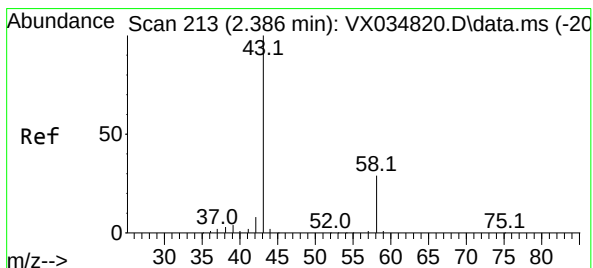
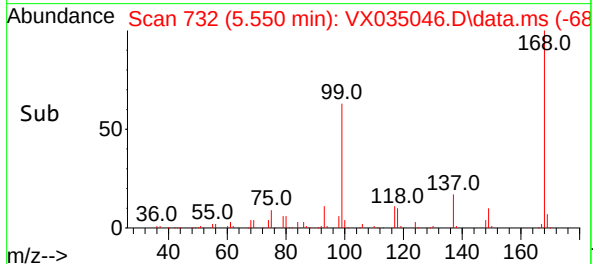
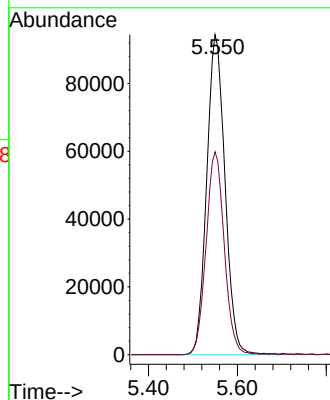
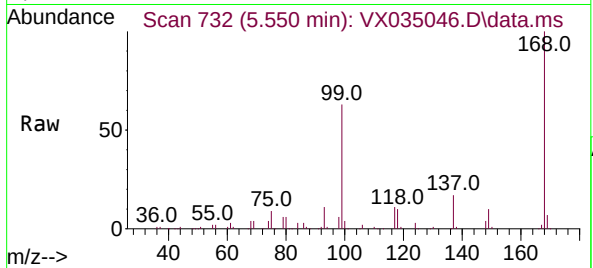




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX035046.D
Acq: 12 Apr 2023 15:11

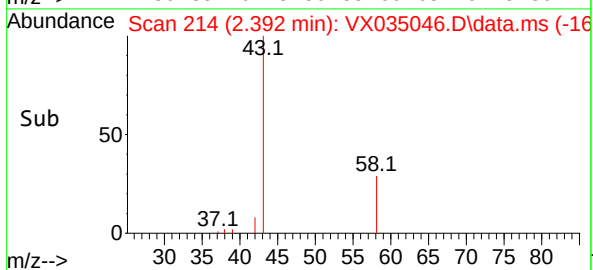
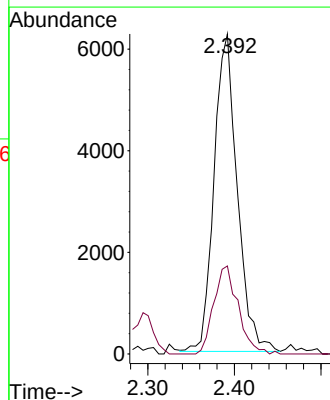
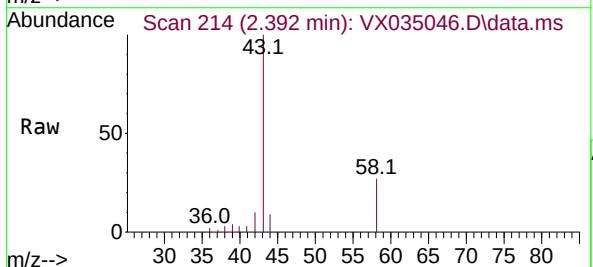
Instrument :
MSVOA_X
ClientSampleId :
33988DL

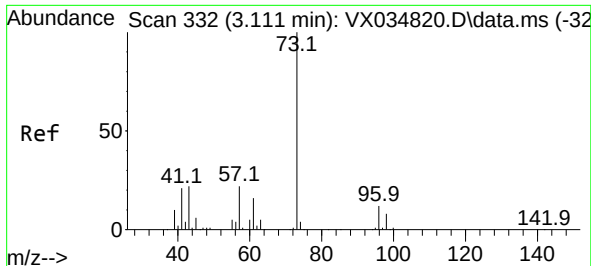
Tgt Ion:168 Resp: 270064
Ion Ratio Lower Upper
168 100
99 63.4 45.7 68.5



#16
Acetone
Concen: 6.927 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX035046.D
Acq: 12 Apr 2023 15:11

Tgt Ion: 43 Resp: 11622
Ion Ratio Lower Upper
43 100
58 27.7 24.7 37.1

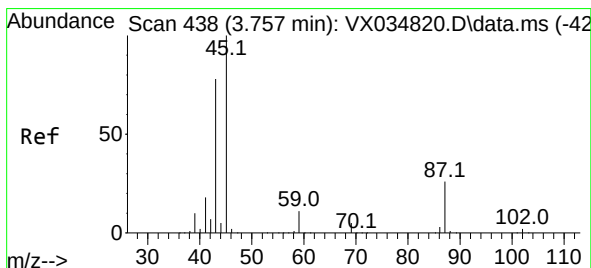
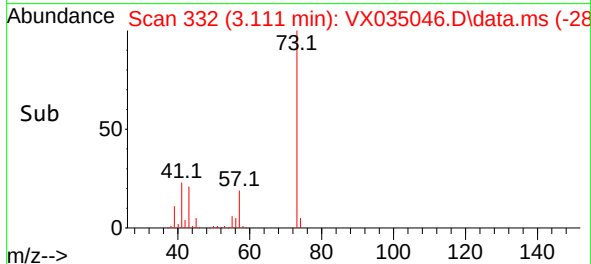
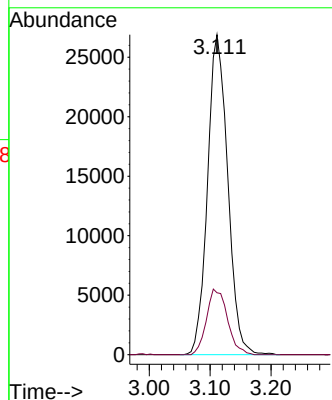
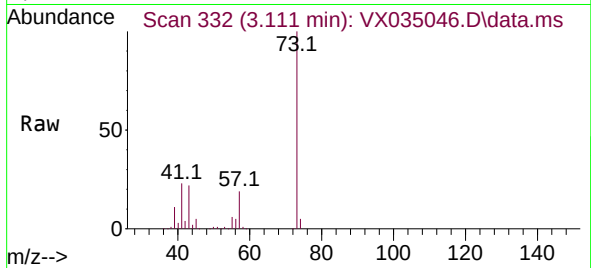




#19
Methyl tert-butyl Ether
Concen: 6.040 ug/l
RT: 3.111 min Scan# 311
Delta R.T. 0.000 min
Lab File: VX035046.D
Acq: 12 Apr 2023 15:11

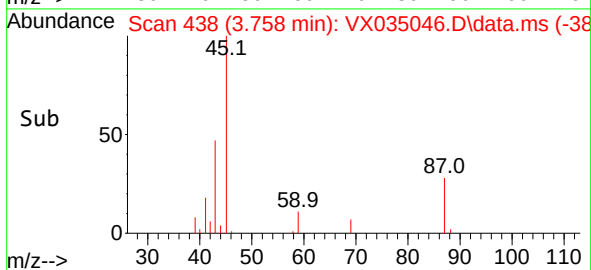
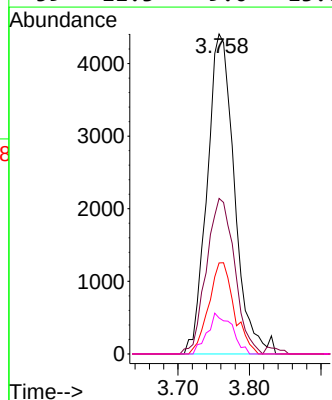
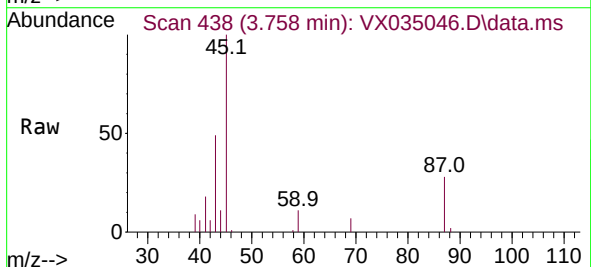
Instrument :
MSVOA_X
ClientSampleId :
33988DL

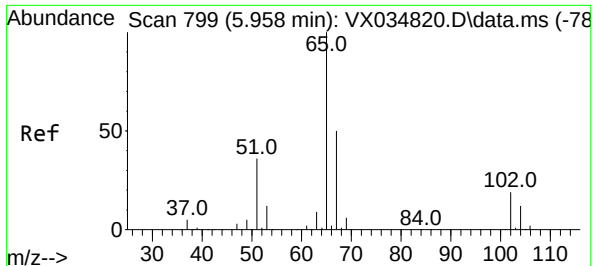
Tgt Ion: 73 Resp: 61999
Ion Ratio Lower Upper
73 100
57 19.4 18.5 27.7



#22
Diisopropyl ether
Concen: 1.066 ug/l
RT: 3.758 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX035046.D
Acq: 12 Apr 2023 15:11

Tgt Ion: 45 Resp: 11683
Ion Ratio Lower Upper
45 100
43 48.6 65.4 98.2#
87 28.5 20.6 31.0
59 11.3 9.0 13.6





#33

1,2-Dichloroethane-d4

Concen: 45.456 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX035046.D

Acq: 12 Apr 2023 15:11

Instrument :

MSVOA_X

ClientSampleId :

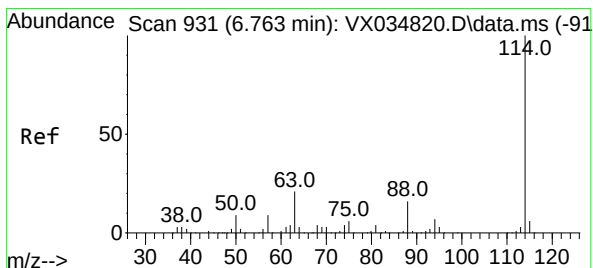
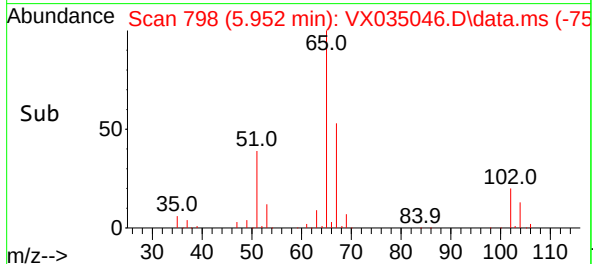
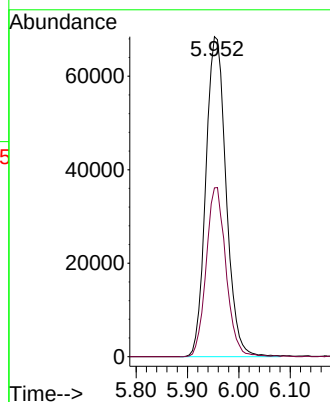
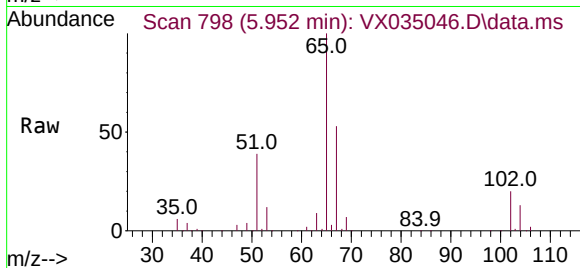
33988DL

Tgt Ion: 65 Resp: 187746

Ion Ratio Lower Upper

65 100

67 51.5 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX035046.D

Acq: 12 Apr 2023 15:11

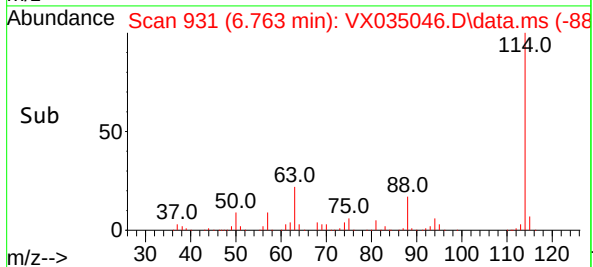
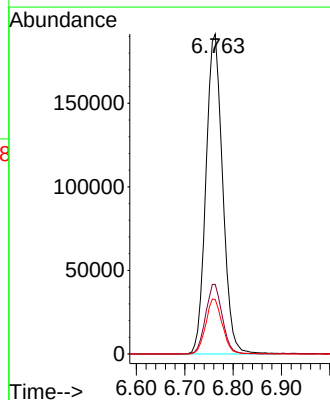
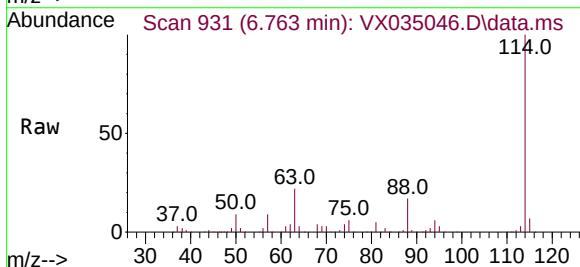
Tgt Ion: 114 Resp: 459510

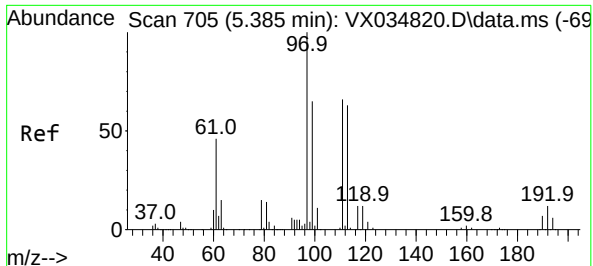
Ion Ratio Lower Upper

114 100

63 21.7 0.0 42.2

88 17.0 0.0 33.2

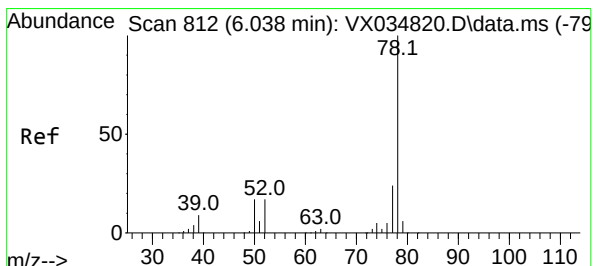
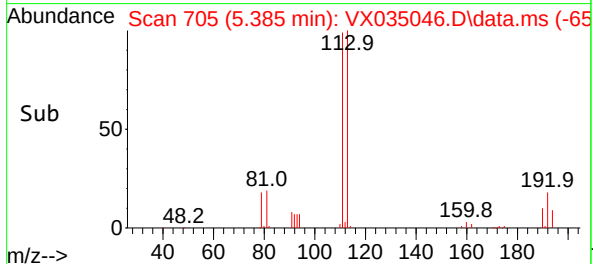
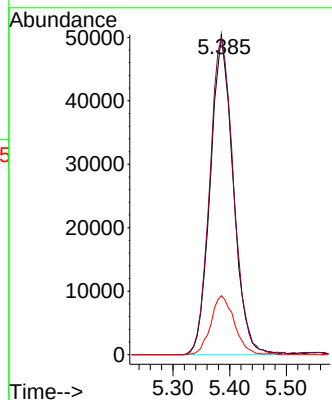
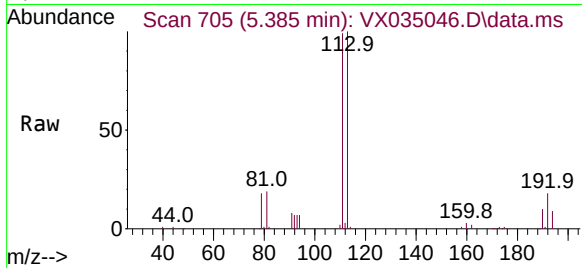




#35
Dibromofluoromethane
Concen: 46.416 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX035046.D
Acq: 12 Apr 2023 15:11

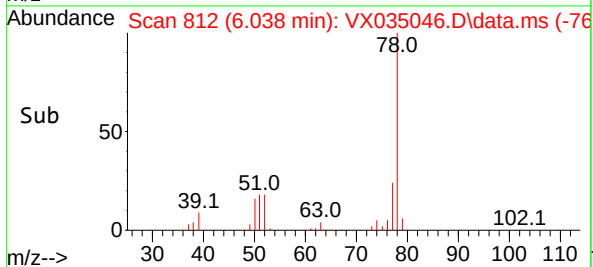
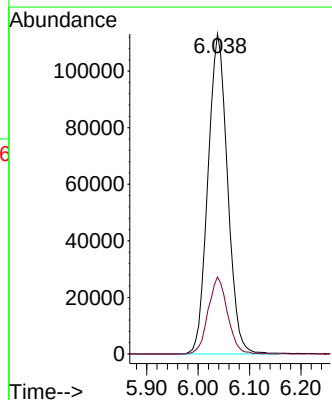
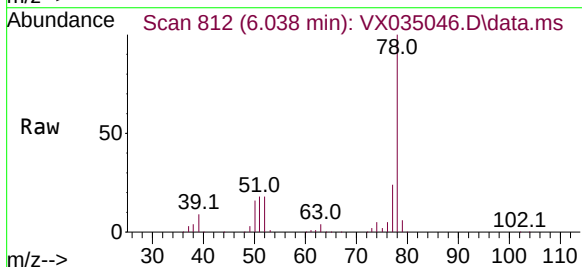
Instrument :
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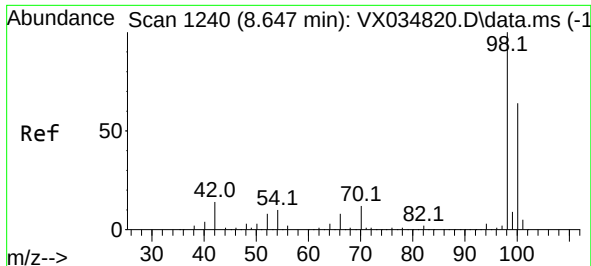
Tgt Ion:113 Resp: 141072
Ion Ratio Lower Upper
113 100
111 103.4 83.7 125.5
192 18.9 15.4 23.2



#40
Benzene
Concen: 23.156 ug/l
RT: 6.038 min Scan# 812
Delta R.T. 0.000 min
Lab File: VX035046.D
Acq: 12 Apr 2023 15:11

Tgt Ion: 78 Resp: 299312
Ion Ratio Lower Upper
78 100
77 24.1 19.0 28.4

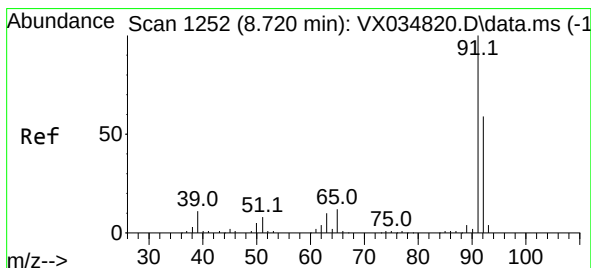
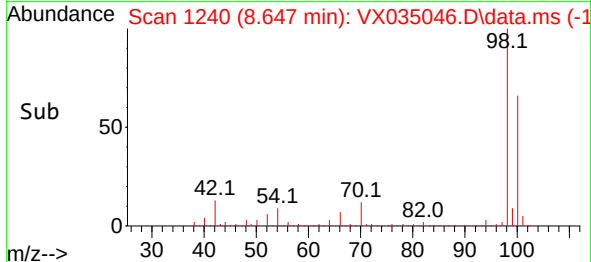
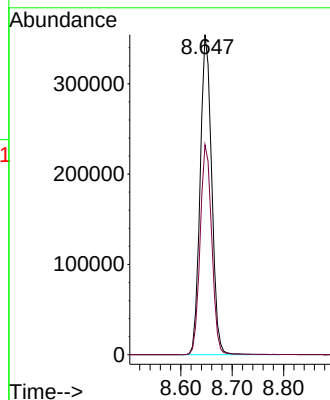
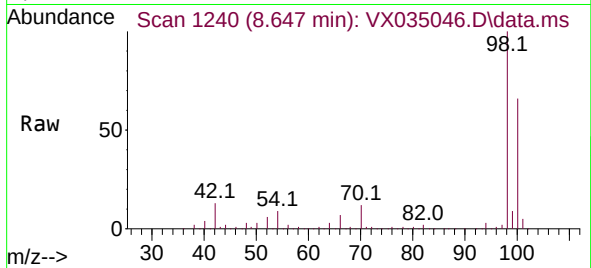




#50
Toluene-d8
Concen: 49.203 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX035046.D
Acq: 12 Apr 2023 15:11

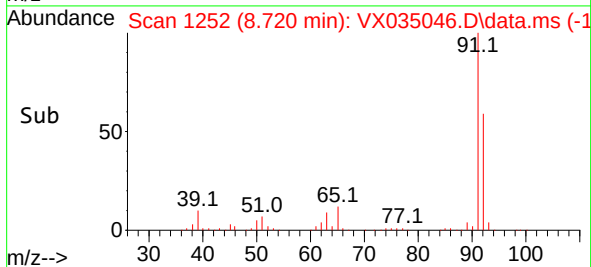
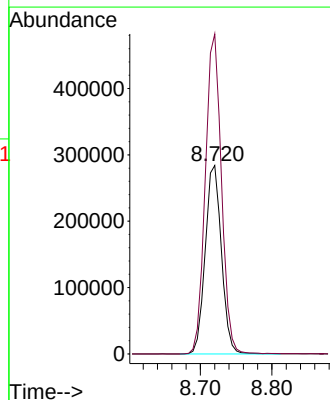
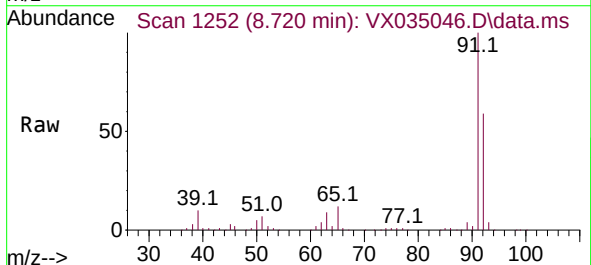
Instrument :
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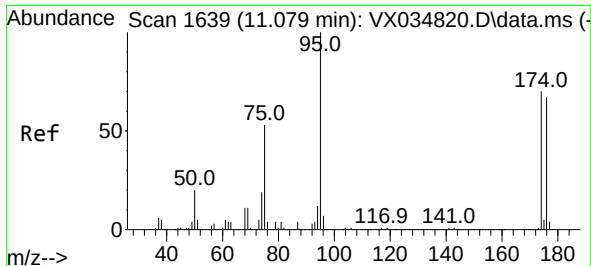
Tgt Ion: 98 Resp: 551970
Ion Ratio Lower Upper
98 100
100 66.1 52.5 78.7



#52
Toluene
Concen: 53.090 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX035046.D
Acq: 12 Apr 2023 15:11

Tgt Ion: 92 Resp: 447433
Ion Ratio Lower Upper
92 100
91 169.1 136.8 205.2

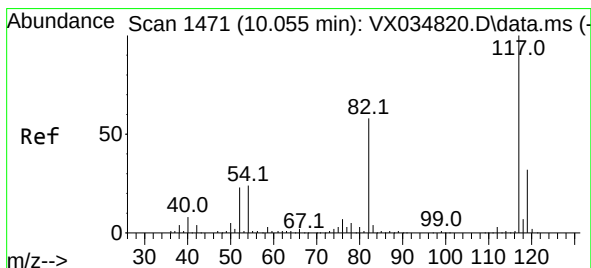
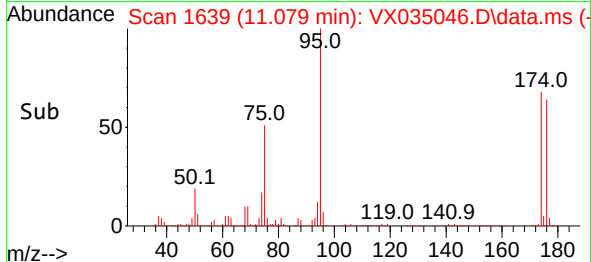
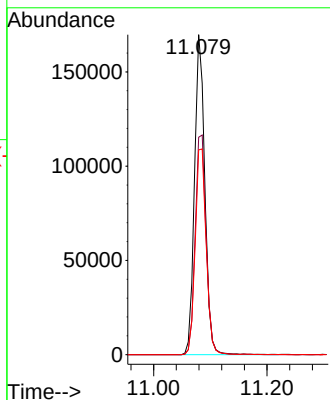
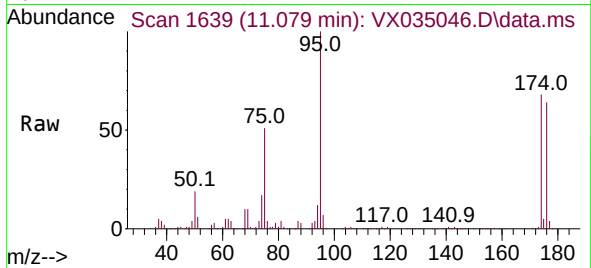




#62
4-Bromofluorobenzene
Concen: 49.315 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX035046.D
Acq: 12 Apr 2023 15:11

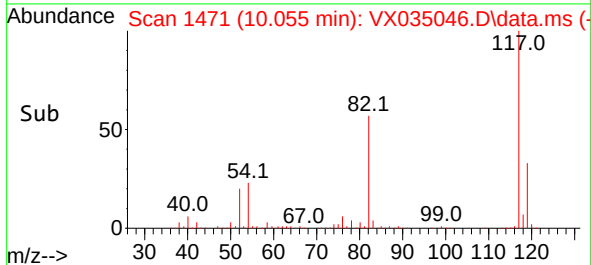
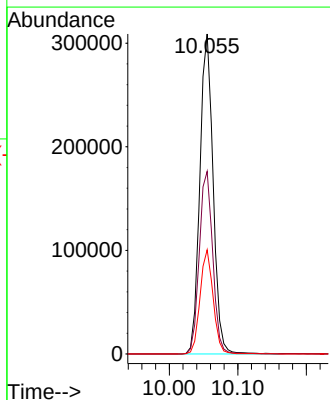
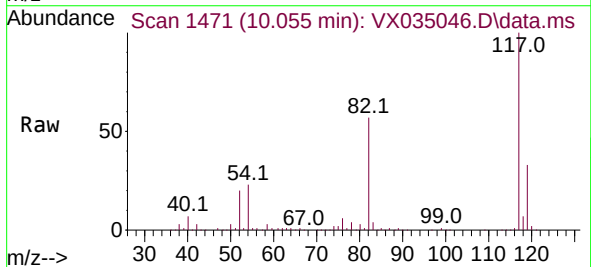
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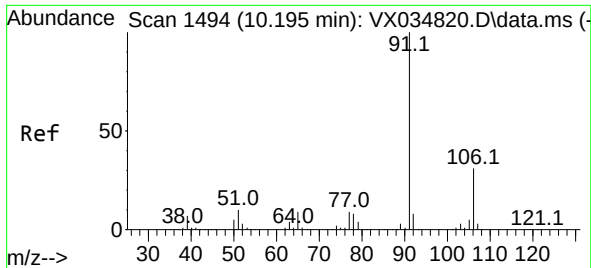
Tgt Ion: 95 Resp: 214086
Ion Ratio Lower Upper
95 100
174 72.8 0.0 147.4
176 68.6 0.0 140.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX035046.D
Acq: 12 Apr 2023 15:11

Tgt Ion: 117 Resp: 416852
Ion Ratio Lower Upper
117 100
82 57.1 45.0 67.4
119 32.5 26.0 39.0

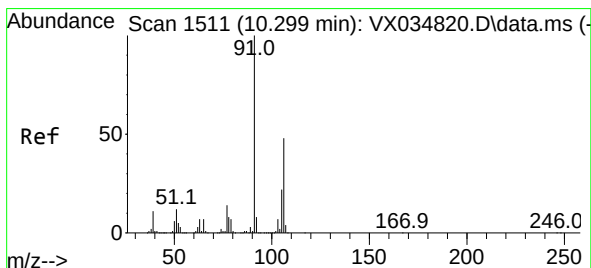
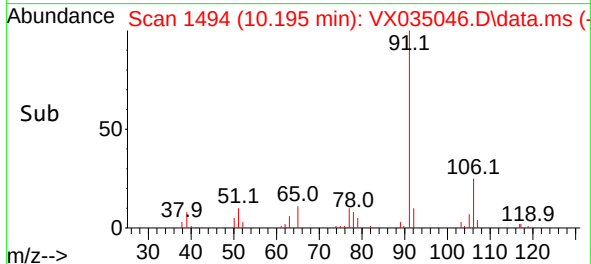
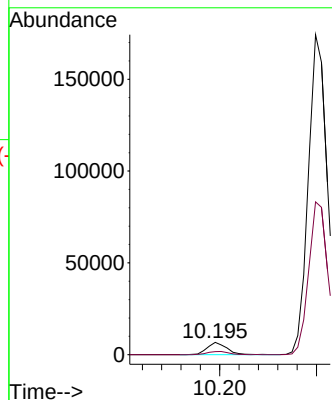
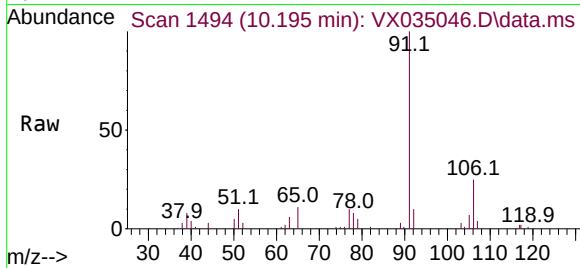




#67
Ethyl Benzene
Concen: 0.607 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX035046.D
Acq: 12 Apr 2023 15:11

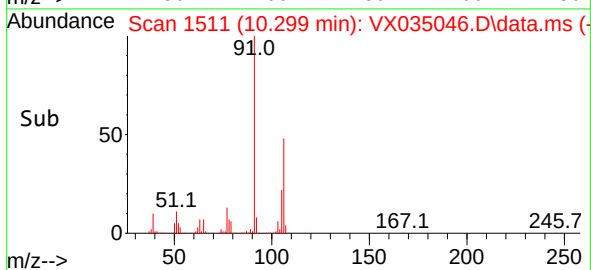
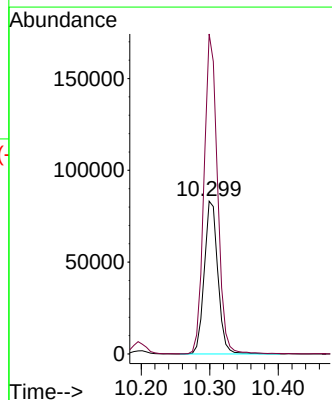
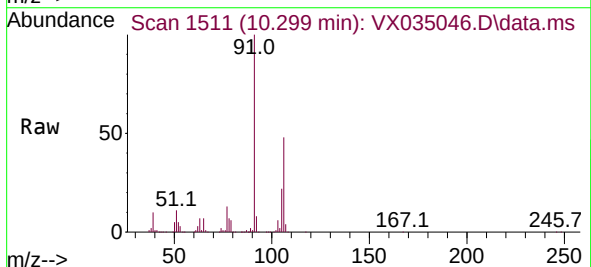
Instrument :
MSVOA_X
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33988DL

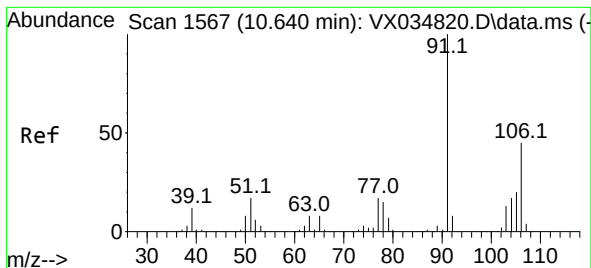
Tgt Ion: 91 Resp: 9532
Ion Ratio Lower Upper
91 100
106 25.4 25.6 38.4#



#68
m/p-Xylenes
Concen: 19.153 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX035046.D
Acq: 12 Apr 2023 15:11

Tgt Ion: 106 Resp: 114949
Ion Ratio Lower Upper
106 100
91 208.4 164.0 246.0





#69

o-Xylene

Concen: 24.238 ug/l

RT: 10.640 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX035046.D

Acq: 12 Apr 2023 15:11

Instrument :

MSVOA_X

ClientSampleId :

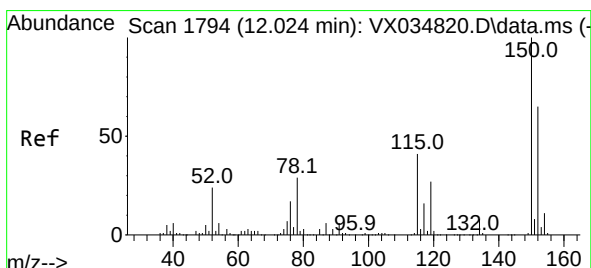
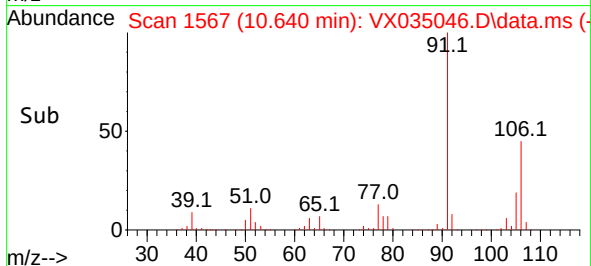
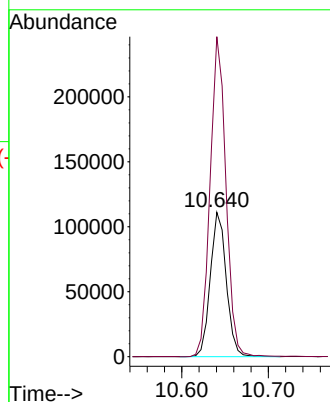
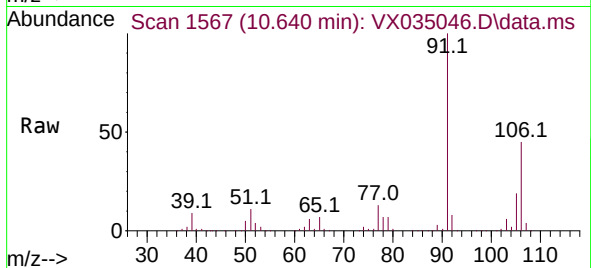
33988DL

Tgt Ion:106 Resp: 142508

Ion Ratio Lower Upper

106 100

91 219.5 108.5 325.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX035046.D

Acq: 12 Apr 2023 15:11

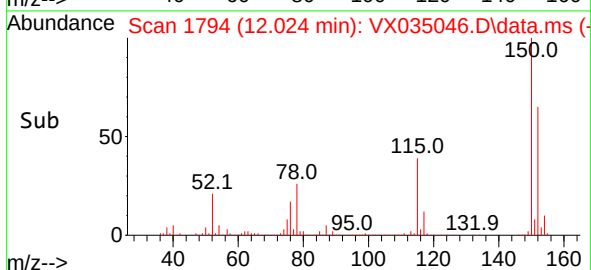
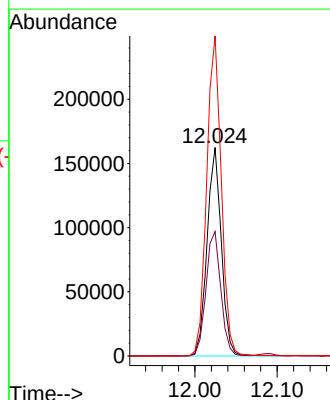
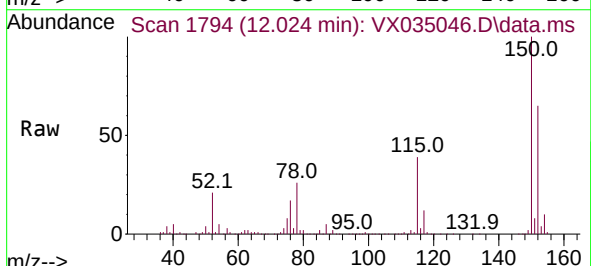
Tgt Ion:152 Resp: 195879

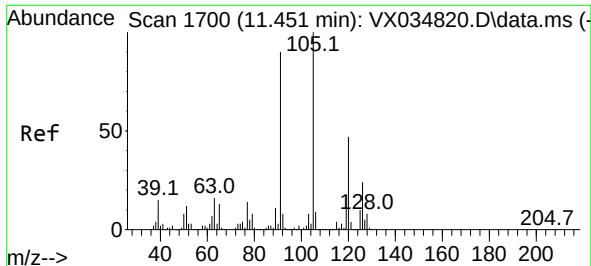
Ion Ratio Lower Upper

152 100

115 62.0 45.0 135.0

150 157.2 0.0 352.4

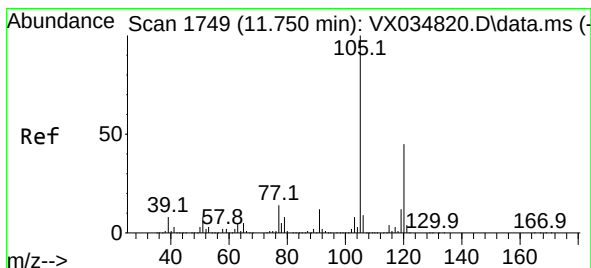
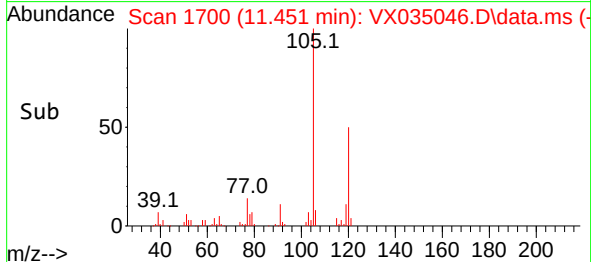
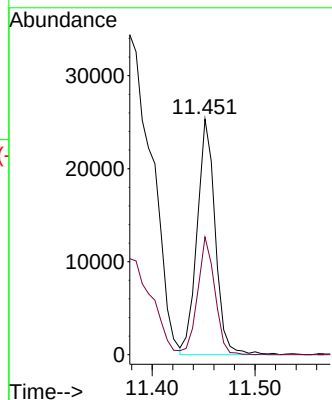
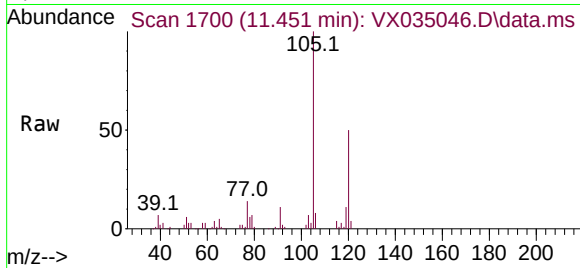




#80
 1,3,5-Trimethylbenzene
 Concen: 2.594 ug/l
 RT: 11.451 min Scan# 1700
 Delta R.T. 0.000 min
 Lab File: VX035046.D
 Acq: 12 Apr 2023 15:11

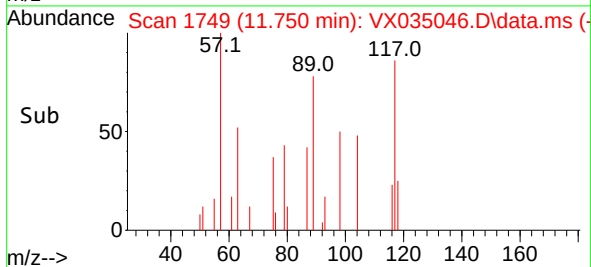
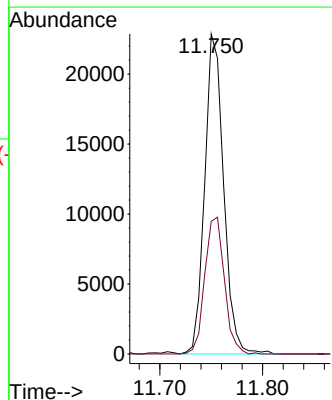
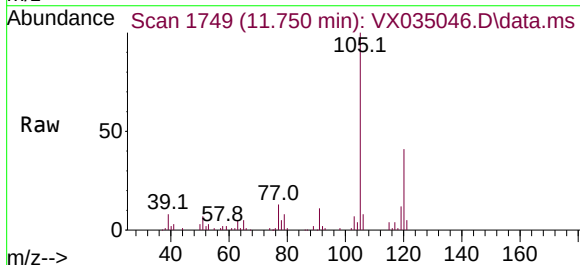
Instrument :
 MSVOA_X
 ClientSampleId :
 33988DL

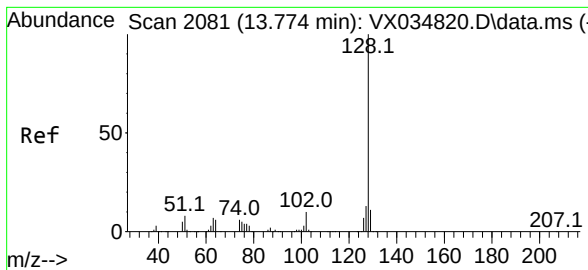
Tgt Ion:105 Resp: 31125
 Ion Ratio Lower Upper
 105 100
 120 47.3 23.7 71.1



#84
 1,2,4-Trimethylbenzene
 Concen: 2.401 ug/l
 RT: 11.750 min Scan# 1749
 Delta R.T. 0.000 min
 Lab File: VX035046.D
 Acq: 12 Apr 2023 15:11

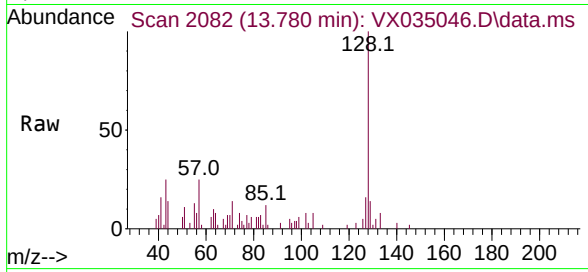
Tgt Ion:105 Resp: 29295
 Ion Ratio Lower Upper
 105 100
 120 44.4 22.4 67.0





#95
Naphthalene
Concen: 0.385 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX035046.D
Acq: 12 Apr 2023 15:11

Instrument :
MSVOA_X
ClientSampleId :
33988DL



Tgt Ion:	128	Resp:	5022
Ion	Ratio	Lower	Upper
128	100		
127	19.2	10.2	15.4#
129	20.5	8.6	13.0#

