

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060225\
 Data File : VX046455.D
 Acq On : 02 Jun 2025 19:29
 Operator : JC/MD
 Sample : Q2169-01 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 303-PPR-1

Quant Time: Jun 03 01:36:36 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

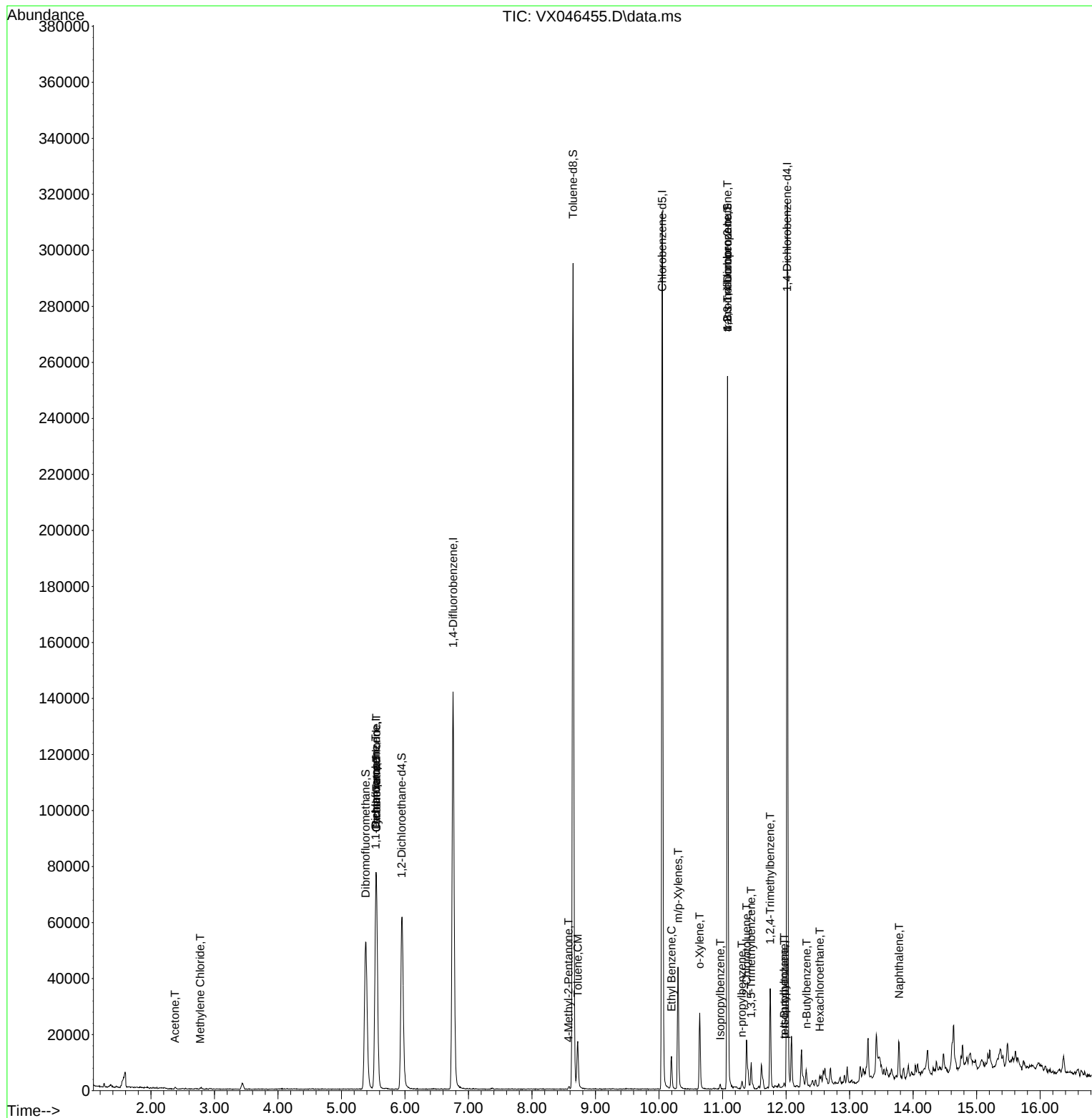
Internal Standards						
1) Pentafluorobenzene	5.544	168	65803	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	132362	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	127025	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	57011	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	65399	53.310	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 106.620%	
35) Dibromofluoromethane	5.379	113	47279	49.603	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 99.200%	
50) Toluene-d8	8.647	98	167936	50.906	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.820%	
62) 4-Bromofluorobenzene	11.079	95	68344	54.008	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 108.020%	
Target Compounds						
					Qvalue	
16) Acetone	2.380	43	690	1.403	ug/l #	80
20) Methylene Chloride	2.776	84	218	0.231	ug/l #	60
31) Cyclohexane	5.550	56	2022	1.383	ug/l #	37
36) 1,1-Dichloropropene	5.538	75	6530	5.099	ug/l #	49
38) Carbon Tetrachloride	5.550	117	7941	5.519	ug/l #	16
51) 4-Methyl-2-Pentanone	8.574	43	767	0.479	ug/l	88
52) Toluene	8.720	92	6379	2.773	ug/l	98
67) Ethyl Benzene	10.195	91	7196	1.468	ug/l	99
68) m/p-Xylenes	10.299	106	9584	5.347	ug/l	98
69) o-Xylene	10.640	106	5659	3.238	ug/l	98
73) Isopropylbenzene	10.963	105	999	0.225	ug/l	99
76) 1,2,3-Trichloropropane	11.079	75	38297	27.908	ug/l #	36
78) n-propylbenzene	11.305	91	2276	0.441	ug/l	92
79) 2-Chlorotoluene	11.378	91	1511	0.454	ug/l #	44
80) 1,3,5-Trimethylbenzene	11.451	105	4216	1.137	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.079	75	38297	90.858	ug/l #	1
83) tert-Butylbenzene	11.969	119	813	0.218	ug/l	73
84) 1,2,4-Trimethylbenzene	11.750	105	15878	4.228	ug/l	99
86) p-Isopropyltoluene	11.969	119	813	0.215	ug/l	88
89) n-Butylbenzene	12.323	91	1217	0.367	ug/l #	43
90) Hexachloroethane	12.530	117	184	0.276	ug/l #	19
95) Naphthalene	13.780	128	9206	2.316	ug/l	95

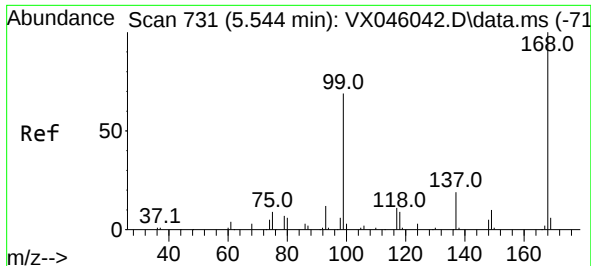
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060225\
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Instrument :
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ClientSampleId :
303-PPR-1

Quant Time: Jun 03 01:36:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

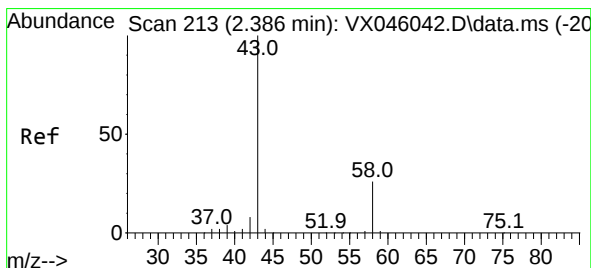
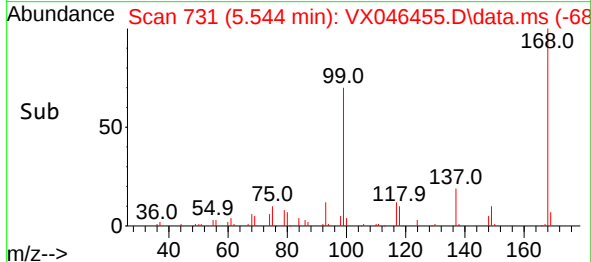
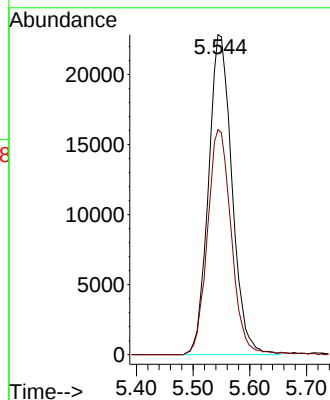
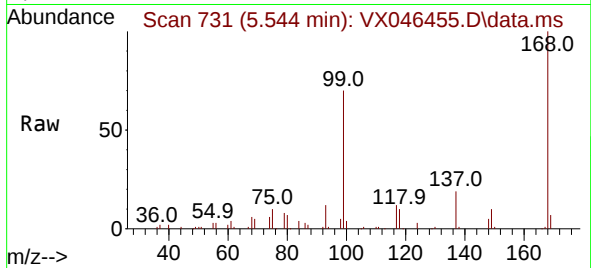




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX046455.D
Acq: 02 Jun 2025 19:29

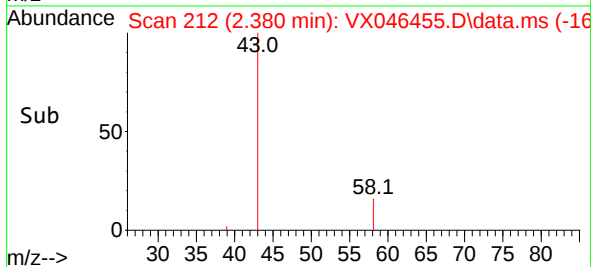
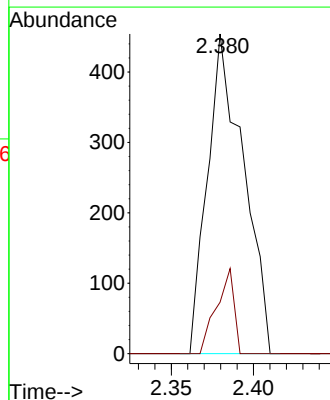
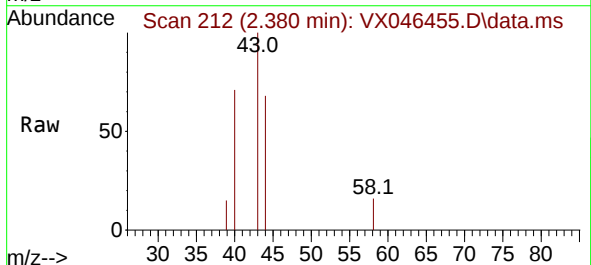
Instrument :
MSVOA_X
ClientSampleId :
303-PPR-1

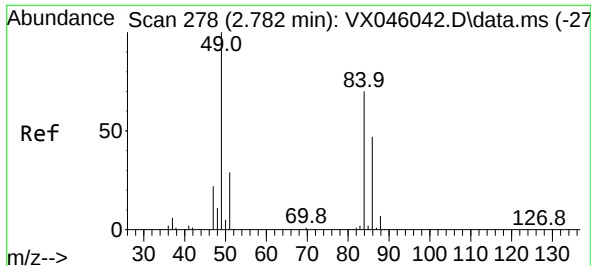
Tgt Ion:168 Resp: 65803
Ion Ratio Lower Upper
168 100
99 70.3 54.9 82.3



#16
Acetone
Concen: 1.403 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX046455.D
Acq: 02 Jun 2025 19:29

Tgt Ion: 43 Resp: 690
Ion Ratio Lower Upper
43 100
58 16.1 21.2 31.8#

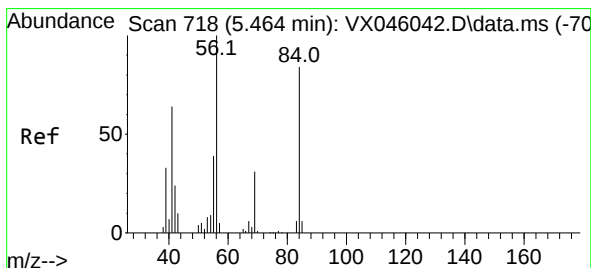
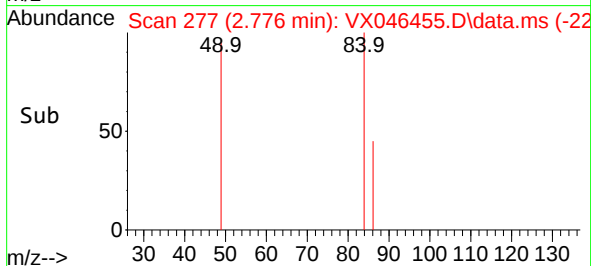
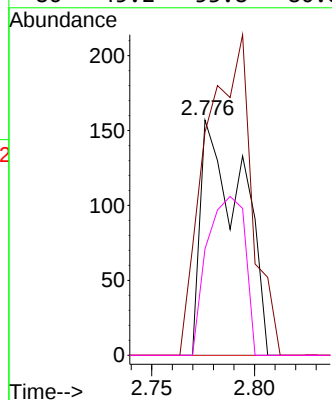
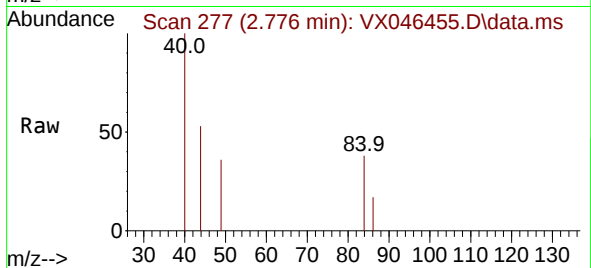




#20
Methylene Chloride
Concen: 0.231 ug/l
RT: 2.776 min Scan# 218
Delta R.T. -0.006 min
Lab File: VX046455.D
Acq: 02 Jun 2025 19:29

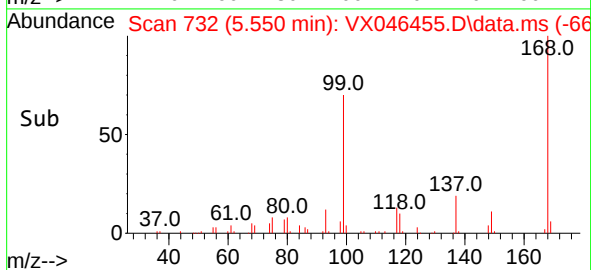
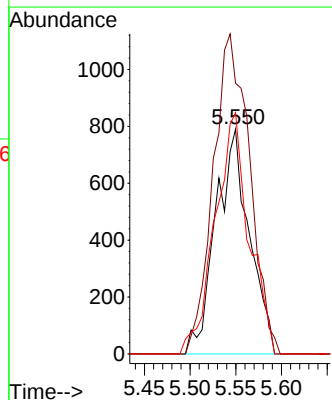
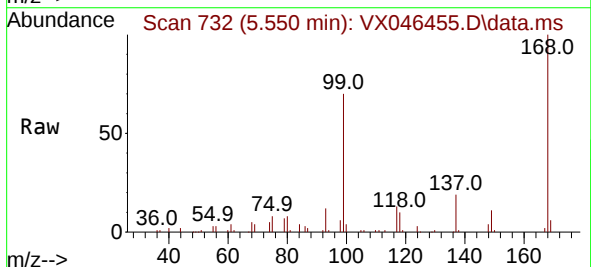
Instrument :
MSVOA_X
ClientSampleId :
303-PPR-1

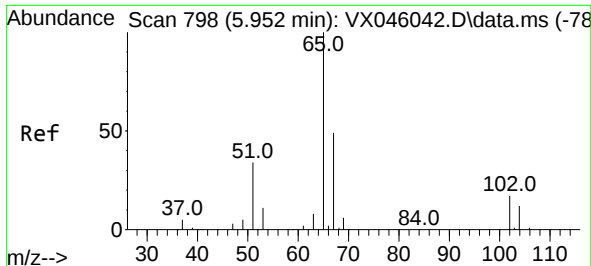
Tgt Ion:	84	Resp:	218
Ion	Ratio	Lower	Upper
84	100		
49	94.9	113.9	170.9#
51	0.0	33.5	50.3#
86	45.2	53.8	80.8#



#31
Cyclohexane
Concen: 1.383 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.085 min
Lab File: VX046455.D
Acq: 02 Jun 2025 19:29

Tgt Ion:	56	Resp:	2022
Ion	Ratio	Lower	Upper
56	100		
69	120.5	24.4	36.6#
84	107.3	66.9	100.3#





#33

1,2-Dichloroethane-d4

Concen: 53.310 ug/l

RT: 5.946 min Scan# 798

Delta R.T. -0.006 min

Lab File: VX046455.D

Acq: 02 Jun 2025 19:29

Instrument :

MSVOA_X

ClientSampleId :

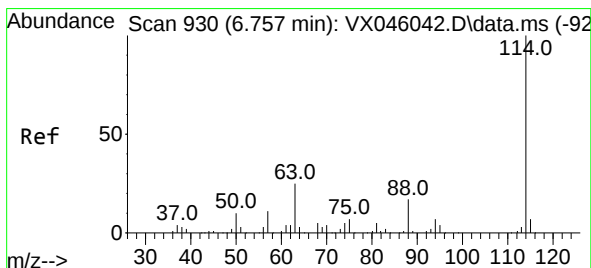
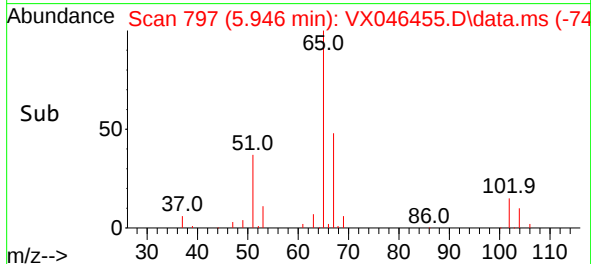
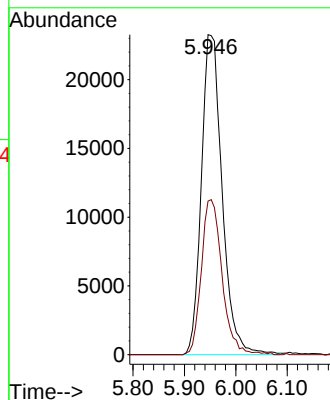
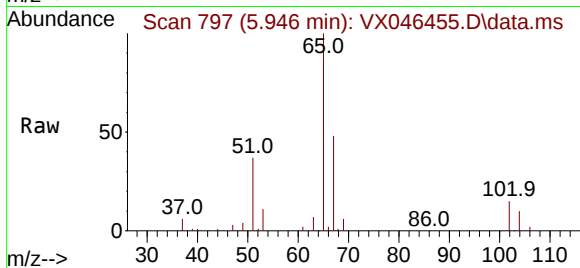
303-PPR-1

Tgt Ion: 65 Resp: 65399

Ion Ratio Lower Upper

65 100

67 48.5 0.0 99.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX046455.D

Acq: 02 Jun 2025 19:29

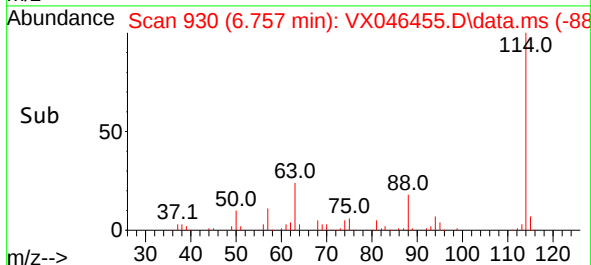
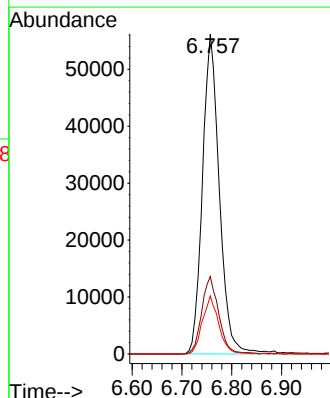
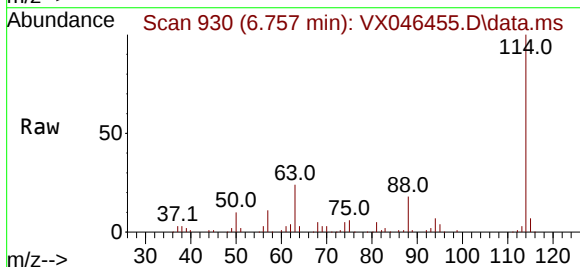
Tgt Ion: 114 Resp: 132362

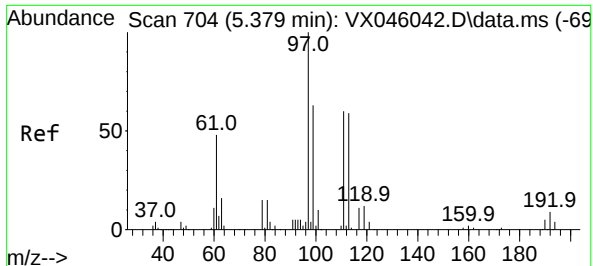
Ion Ratio Lower Upper

114 100

63 24.2 0.0 49.2

88 18.1 0.0 33.6

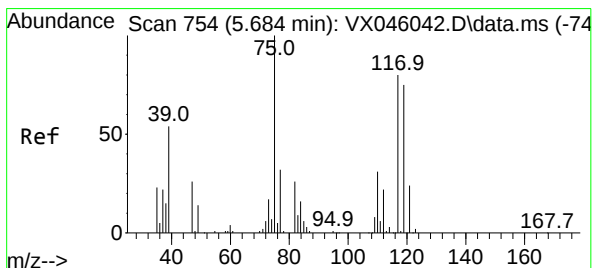
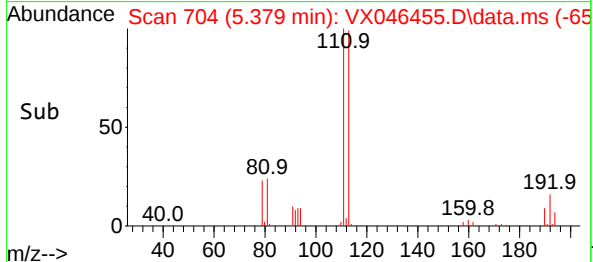
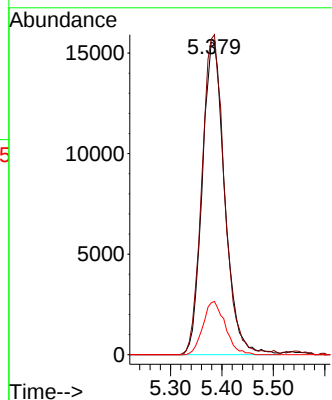
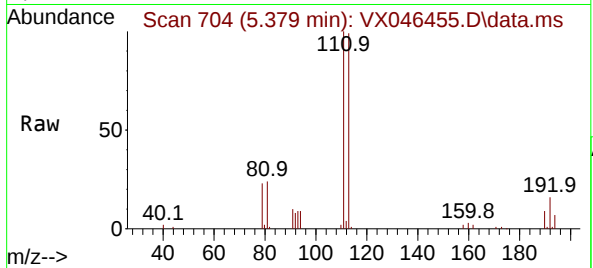




#35
Dibromofluoromethane
Concen: 49.603 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX046455.D
Acq: 02 Jun 2025 19:29

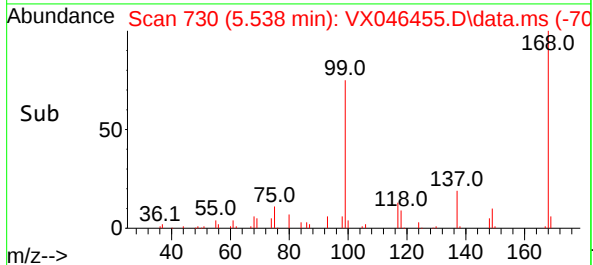
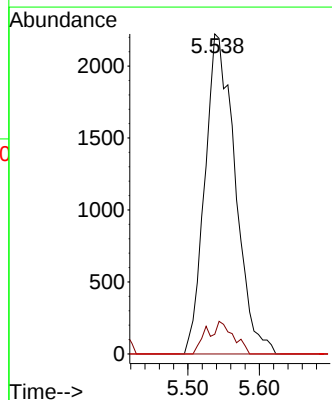
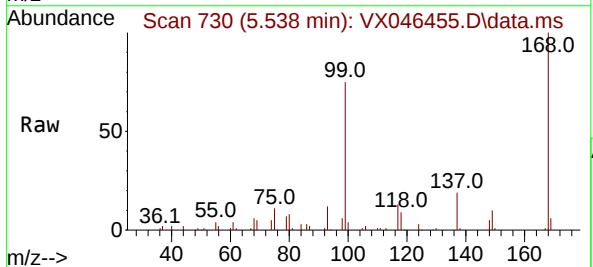
Instrument :
MSVOA_X
ClientSampleId :
303-PPR-1

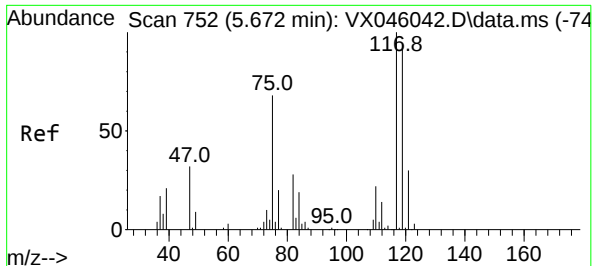
Tgt Ion:113 Resp: 47279
Ion Ratio Lower Upper
113 100
111 102.2 83.1 124.7
192 16.8 13.3 19.9



#36
1,1-Dichloropropene
Concen: 5.099 ug/l
RT: 5.538 min Scan# 730
Delta R.T. -0.146 min
Lab File: VX046455.D
Acq: 02 Jun 2025 19:29

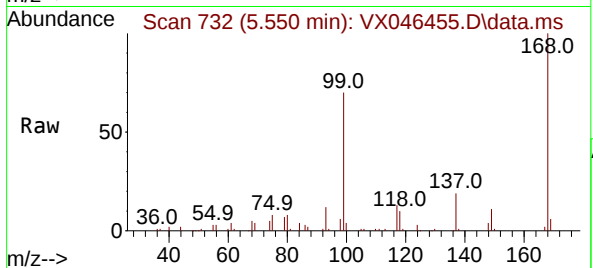
Tgt Ion: 75 Resp: 6530
Ion Ratio Lower Upper
75 100
110 6.1 16.3 48.9#
77 0.0 24.3 36.5#



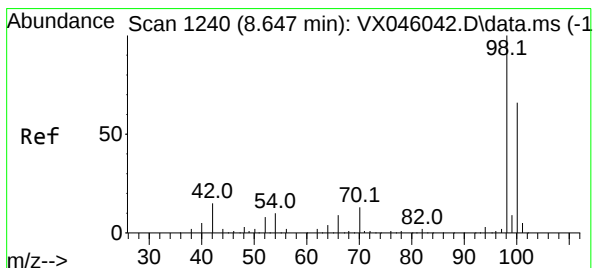
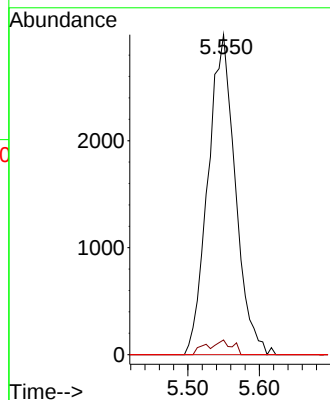
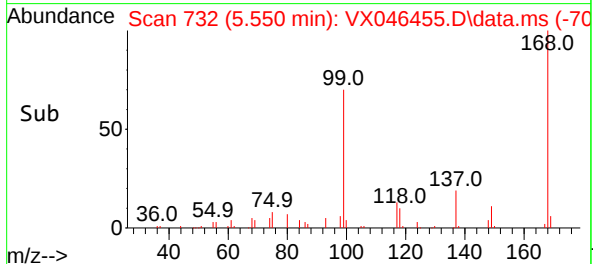


#38
Carbon Tetrachloride
Concen: 5.519 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX046455.D
Acq: 02 Jun 2025 19:29

Instrument :
MSVOA_X
ClientSampleId :
303-PPR-1

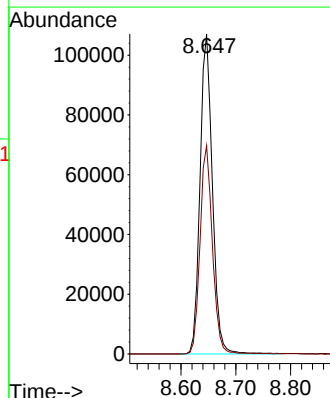
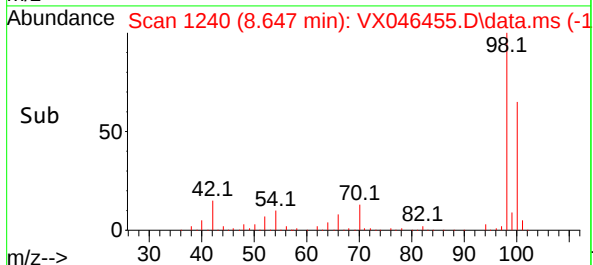
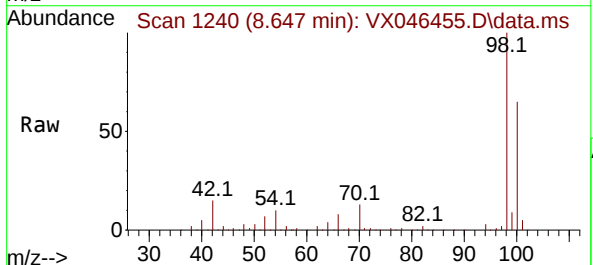


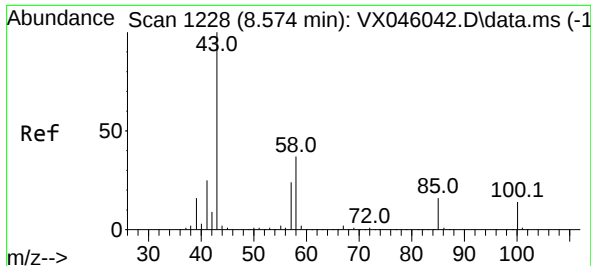
Tgt Ion:117 Resp: 7941
Ion Ratio Lower Upper
117 100
119 4.6 75.2 112.8#
121 0.0 24.2 36.4#



#50
Toluene-d8
Concen: 50.906 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046455.D
Acq: 02 Jun 2025 19:29

Tgt Ion: 98 Resp: 167936
Ion Ratio Lower Upper
98 100
100 65.2 53.5 80.3

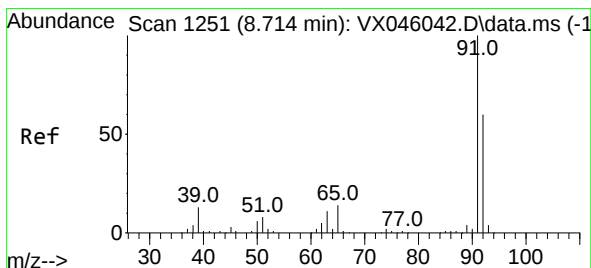
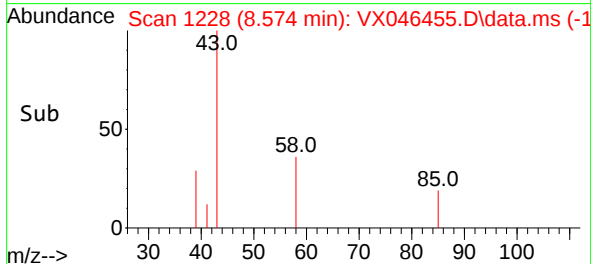
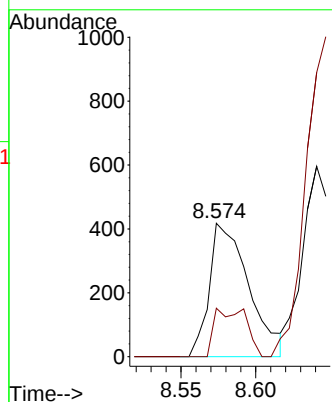
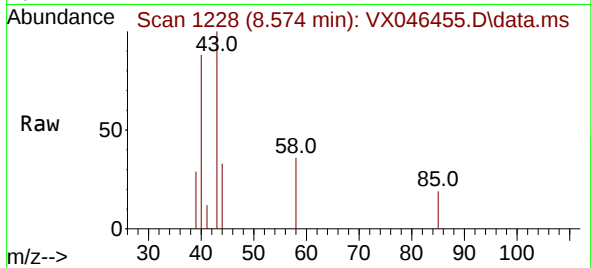




#51
4-Methyl-2-Pentanone
Concen: 0.479 ug/l
RT: 8.574 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046455.D
Acq: 02 Jun 2025 19:29

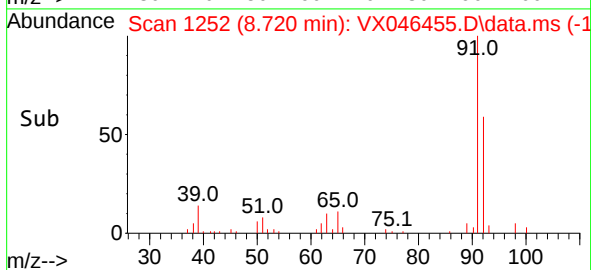
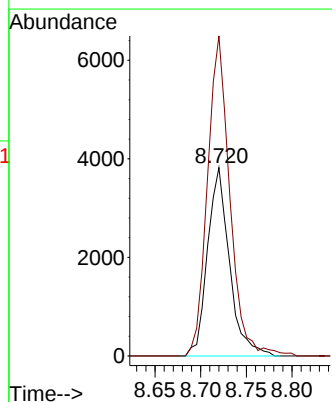
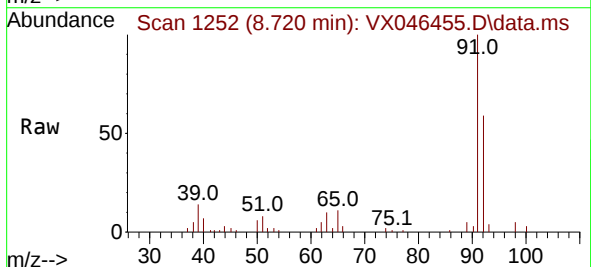
Instrument :
MSVOA_X
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303-PPR-1

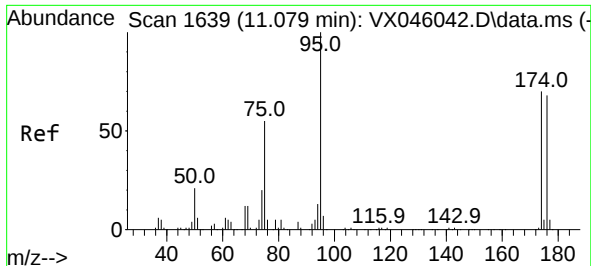
Tgt Ion: 43 Resp: 767
Ion Ratio Lower Upper
43 100
58 29.2 28.9 43.3



#52
Toluene
Concen: 2.773 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX046455.D
Acq: 02 Jun 2025 19:29

Tgt Ion: 92 Resp: 6379
Ion Ratio Lower Upper
92 100
91 173.3 136.6 205.0





#62

4-Bromofluorobenzene

Concen: 54.008 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX046455.D

Acq: 02 Jun 2025 19:29

Instrument :

MSVOA_X

ClientSampleId :

303-PPR-1

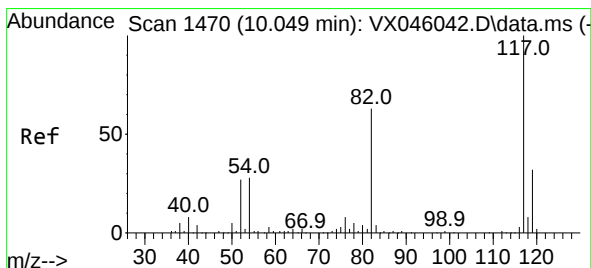
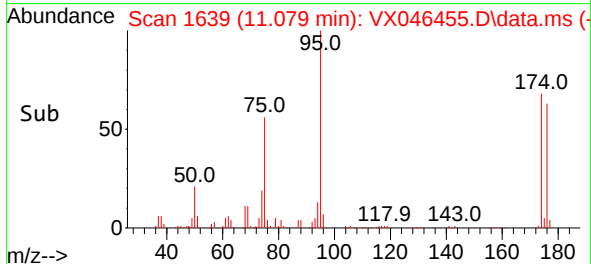
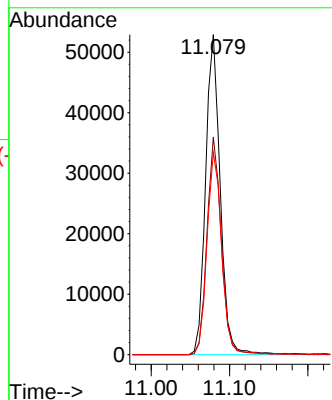
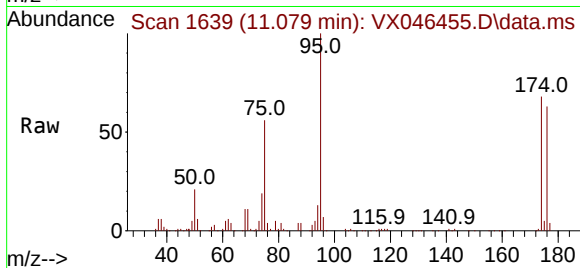
Tgt Ion: 95 Resp: 68344

Ion Ratio Lower Upper

95 100

174 67.3 0.0 135.8

176 63.7 0.0 131.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. -0.000 min

Lab File: VX046455.D

Acq: 02 Jun 2025 19:29

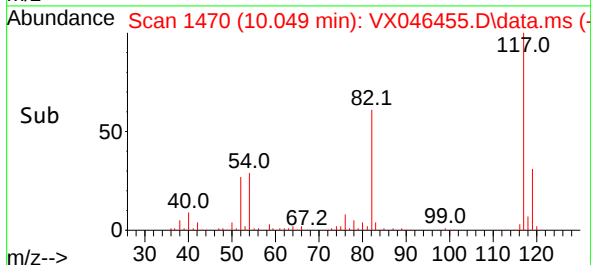
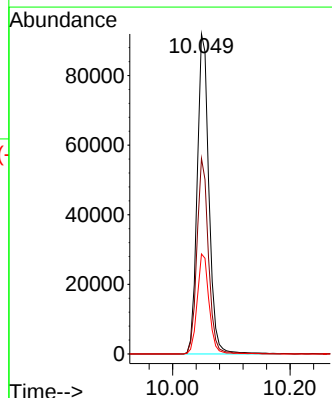
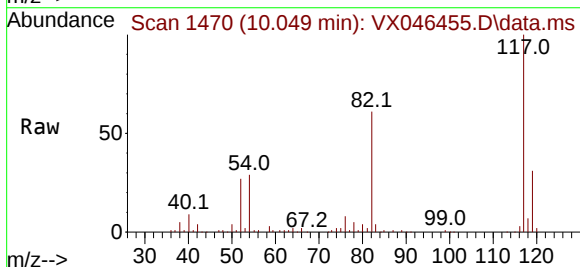
Tgt Ion: 117 Resp: 127025

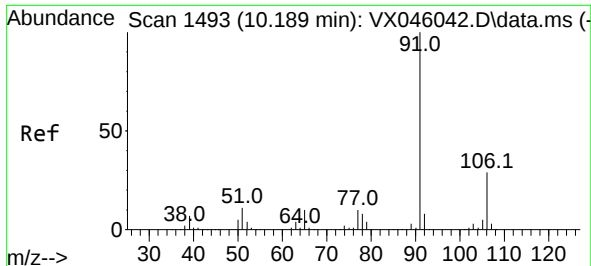
Ion Ratio Lower Upper

117 100

82 61.1 50.6 76.0

119 31.2 25.8 38.6





#67

Ethyl Benzene

Concen: 1.468 ug/l

RT: 10.195 min Scan# 1493

Delta R.T. 0.006 min

Lab File: VX046455.D

Acq: 02 Jun 2025 19:29

Instrument :

MSVOA_X

ClientSampleId :

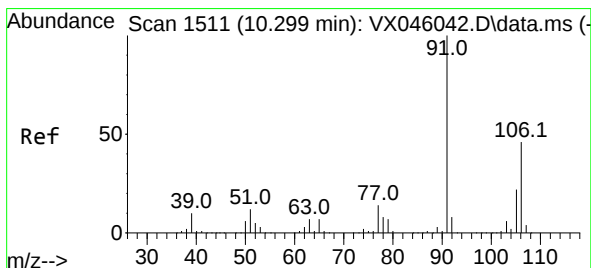
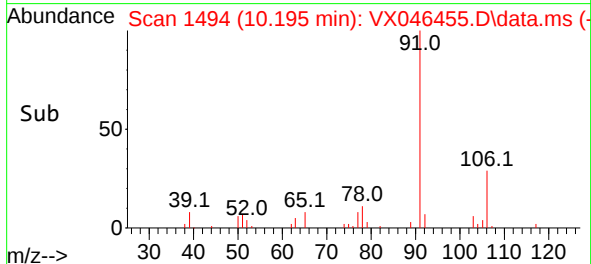
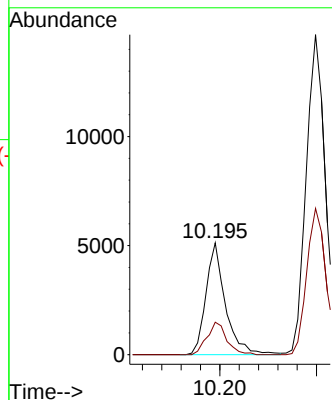
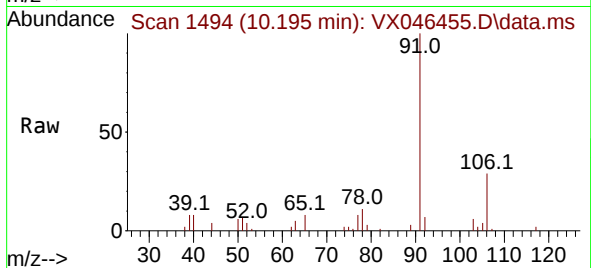
303-PPR-1

Tgt Ion: 91 Resp: 7196

Ion Ratio Lower Upper

91 100

106 29.0 23.4 35.2



#68

m/p-Xylenes

Concen: 5.347 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. -0.000 min

Lab File: VX046455.D

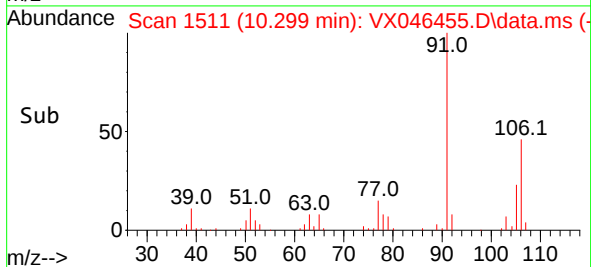
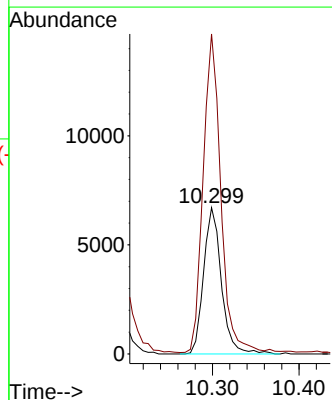
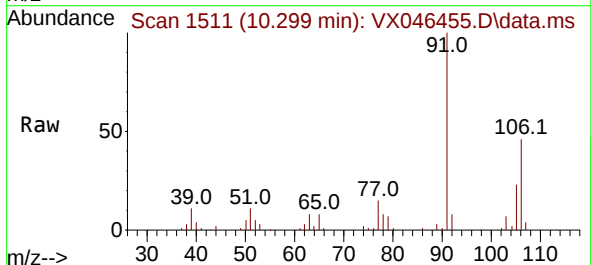
Acq: 02 Jun 2025 19:29

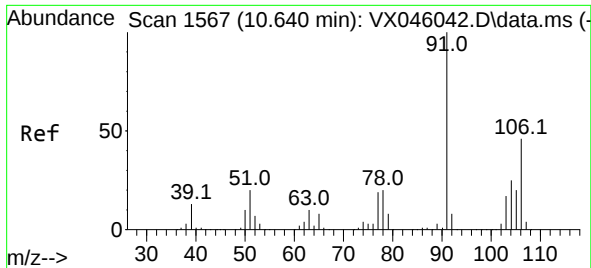
Tgt Ion:106 Resp: 9584

Ion Ratio Lower Upper

106 100

91 217.7 171.2 256.8

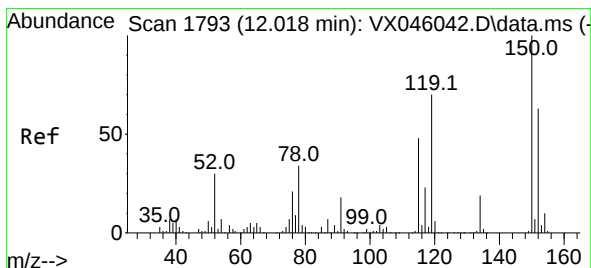
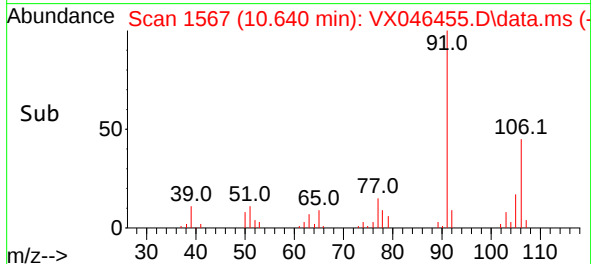
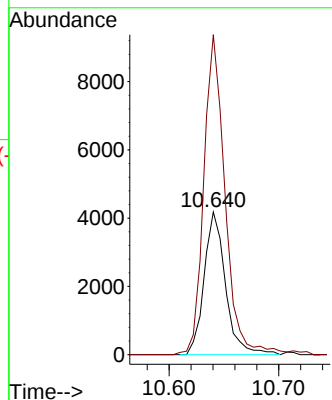
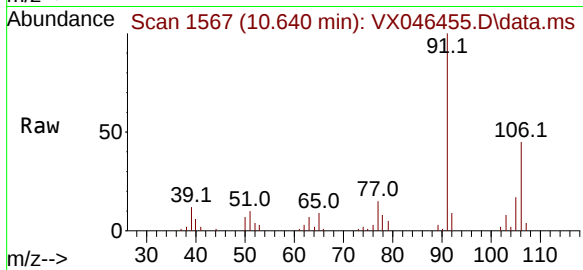




#69
o-Xylene
Concen: 3.238 ug/l
RT: 10.640 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046455.D
Acq: 02 Jun 2025 19:29

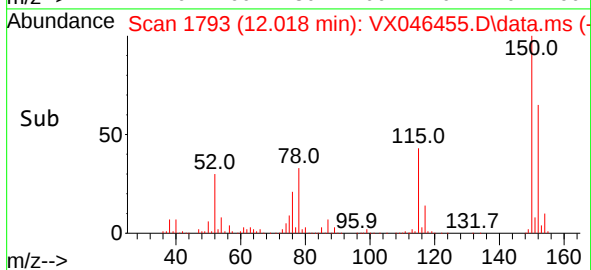
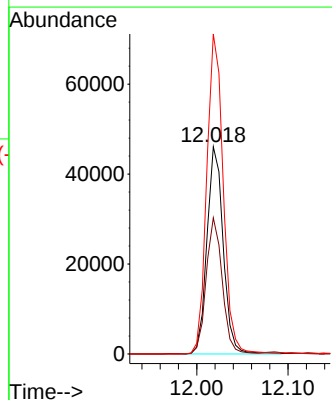
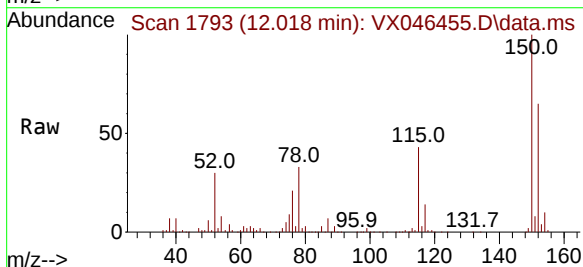
Instrument :
MSVOA_X
ClientSampleId :
303-PPR-1

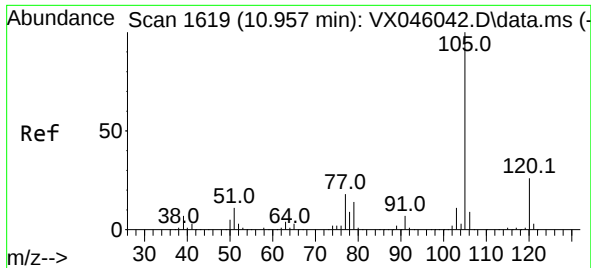
Tgt Ion:106 Resp: 5659
Ion Ratio Lower Upper
106 100
91 222.7 112.7 338.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046455.D
Acq: 02 Jun 2025 19:29

Tgt Ion:152 Resp: 57011
Ion Ratio Lower Upper
152 100
115 64.9 46.9 140.7
150 156.2 0.0 351.0

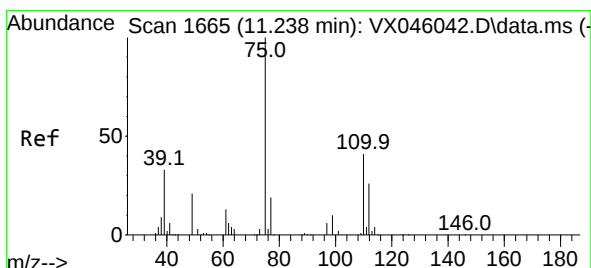
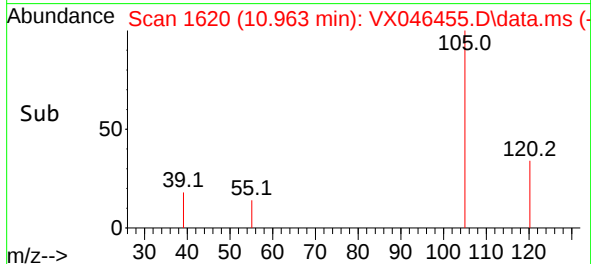
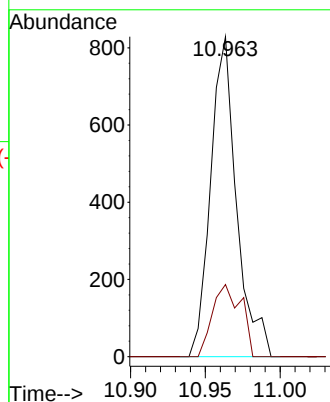
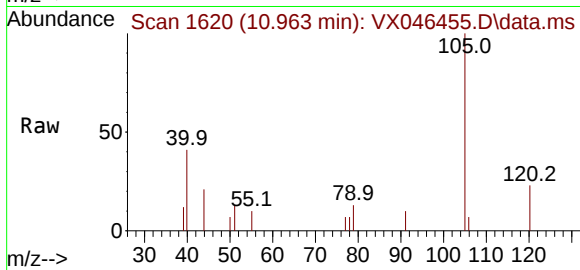




#73
Isopropylbenzene
Concen: 0.225 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.006 min
Lab File: VX046455.D
Acq: 02 Jun 2025 19:29

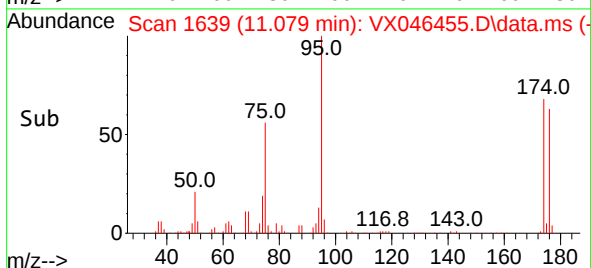
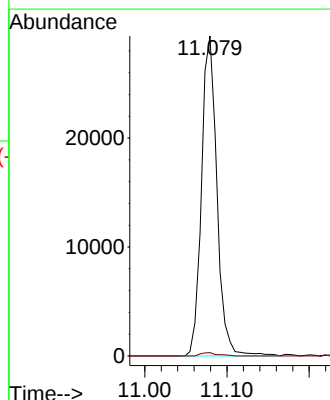
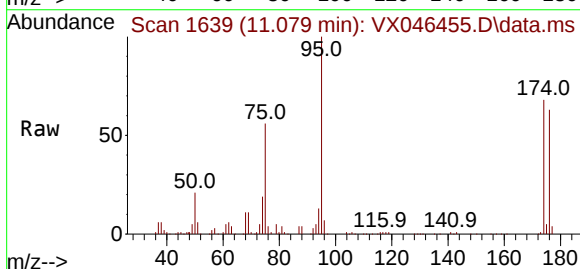
Instrument :
MSVOA_X
ClientSampleId :
303-PPR-1

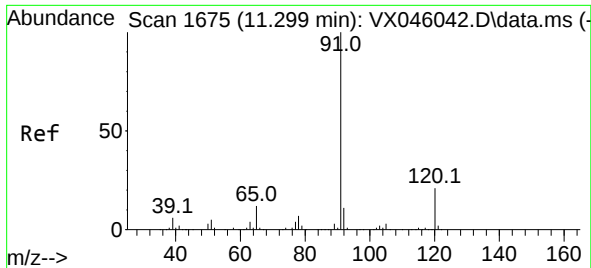
Tgt Ion:105 Resp: 999
Ion Ratio Lower Upper
105 100
120 24.9 12.8 38.4



#76
1,2,3-Trichloropropane
Concen: 27.908 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX046455.D
Acq: 02 Jun 2025 19:29

Tgt Ion: 75 Resp: 38297
Ion Ratio Lower Upper
75 100
77 1.1 20.5 61.5#

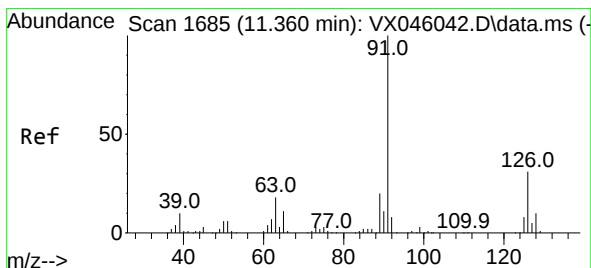
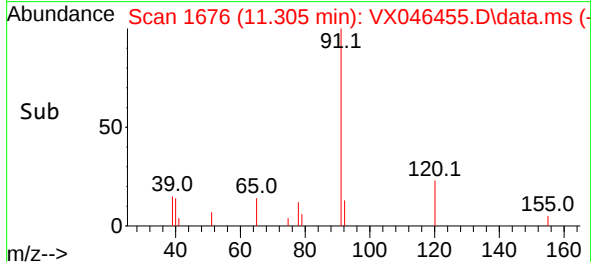
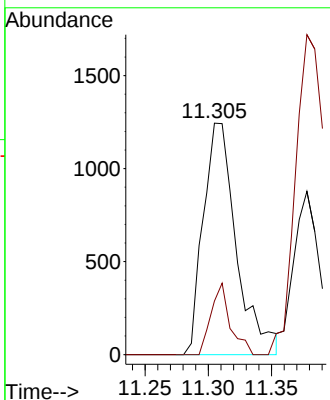
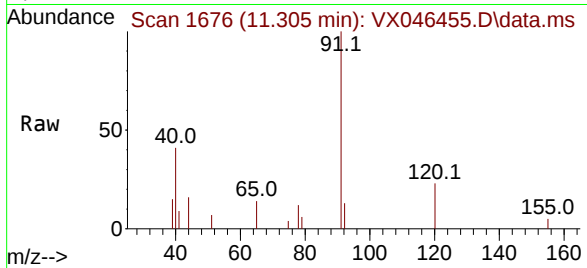




#78
n-propylbenzene
Concen: 0.441 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX046455.D
Acq: 02 Jun 2025 19:29

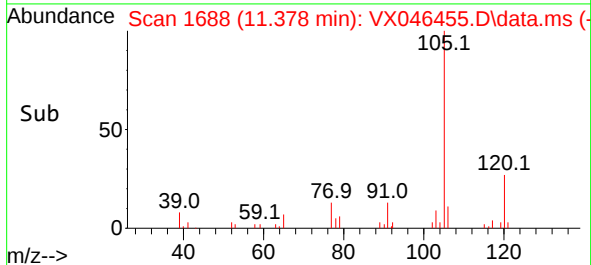
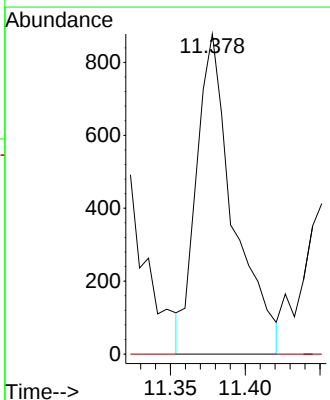
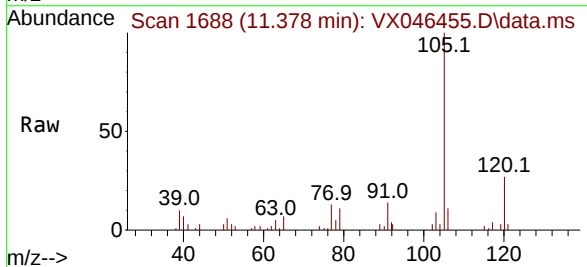
Instrument :
MSVOA_X
ClientSampleId :
303-PPR-1

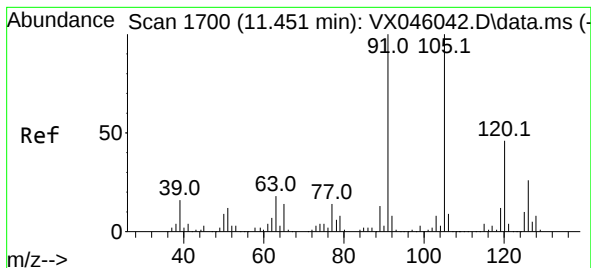
Tgt Ion: 91 Resp: 2276
Ion Ratio Lower Upper
91 100
120 17.8 10.8 32.4



#79
2-Chlorotoluene
Concen: 0.454 ug/l
RT: 11.378 min Scan# 1688
Delta R.T. 0.018 min
Lab File: VX046455.D
Acq: 02 Jun 2025 19:29

Tgt Ion: 91 Resp: 1511
Ion Ratio Lower Upper
91 100
126 0.0 15.6 46.7#





#80

1,3,5-Trimethylbenzene

Concen: 1.137 ug/l

RT: 11.451 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX046455.D

Acq: 02 Jun 2025 19:29

Instrument :

MSVOA_X

ClientSampleId :

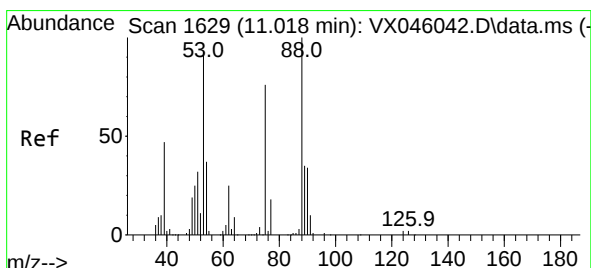
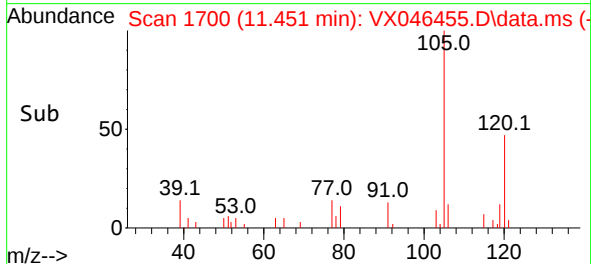
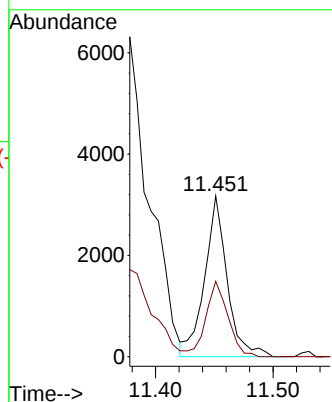
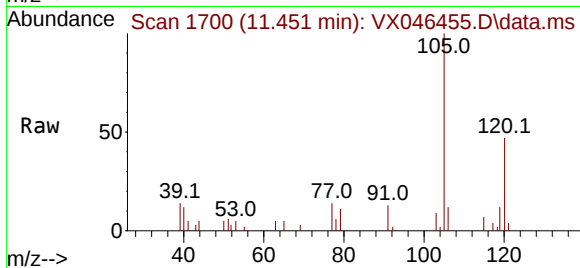
303-PPR-1

Tgt Ion:105 Resp: 4216

Ion Ratio Lower Upper

105 100

120 45.6 23.1 69.2



#81

trans-1,4-Dichloro-2-butene

Concen: 90.858 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX046455.D

Acq: 02 Jun 2025 19:29

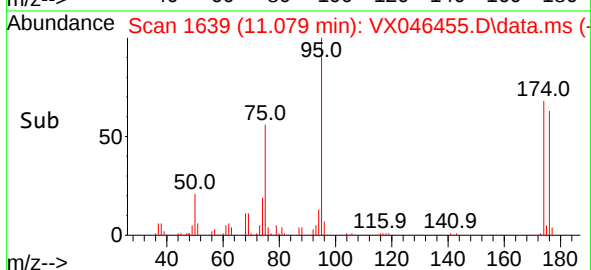
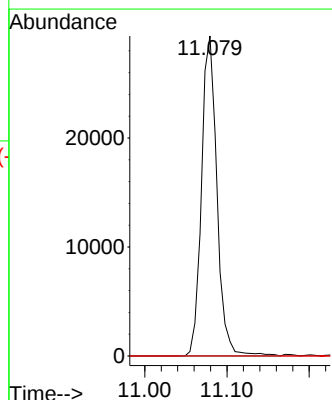
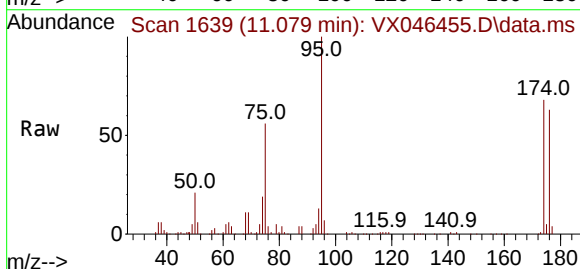
Tgt Ion: 75 Resp: 38297

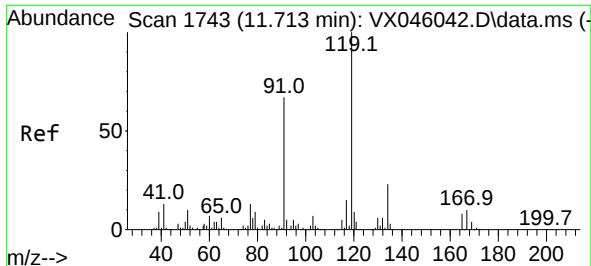
Ion Ratio Lower Upper

75 100

53 0.0 100.5 150.7#

89 0.0 37.0 55.6#

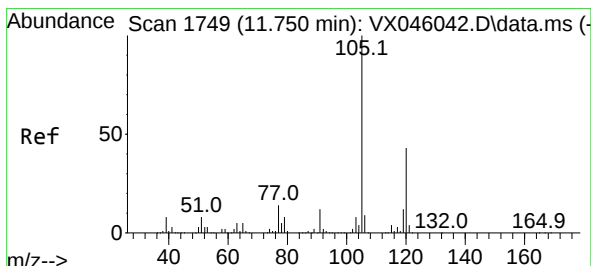
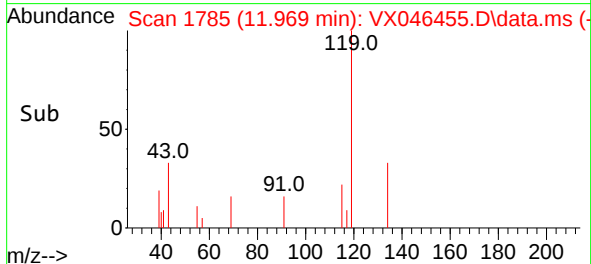
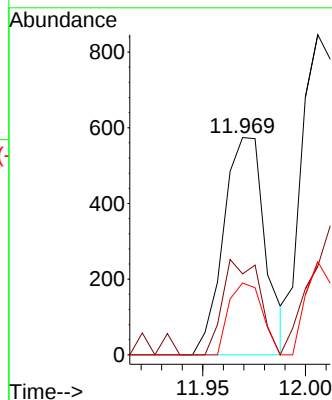
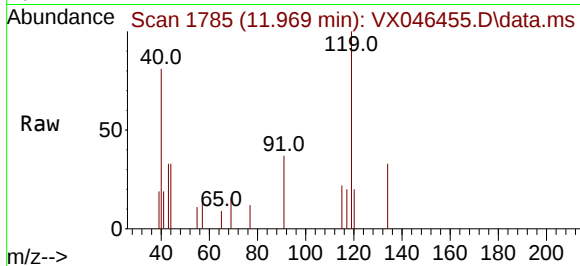




#83
 tert-Butylbenzene
 Concen: 0.218 ug/l
 RT: 11.969 min Scan# 119
 Delta R.T. 0.256 min
 Lab File: VX046455.D
 Acq: 02 Jun 2025 19:29

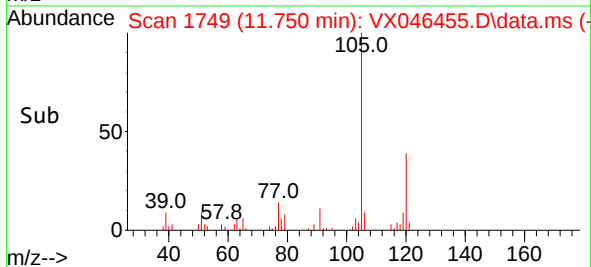
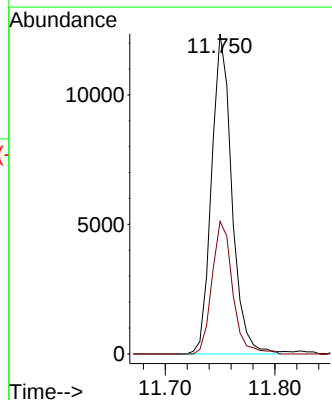
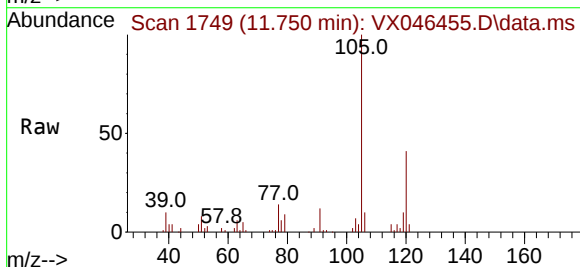
Instrument :
 MSVOA_X
 ClientSampleId :
 303-PPR-1

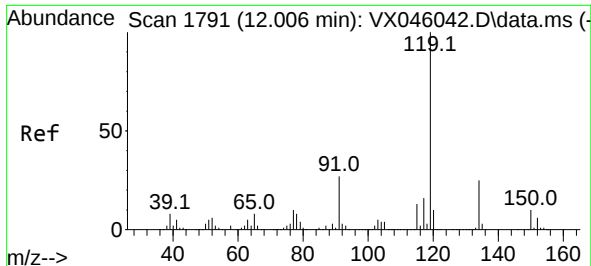
Tgt Ion:119	Resp:	813
Ion	Ratio	Lower Upper
119	100	
91	38.6	32.9 98.7
134	26.4	11.4 34.1



#84
 1,2,4-Trimethylbenzene
 Concen: 4.228 ug/l
 RT: 11.750 min Scan# 1749
 Delta R.T. -0.000 min
 Lab File: VX046455.D
 Acq: 02 Jun 2025 19:29

Tgt Ion:105	Resp:	15878
Ion	Ratio	Lower Upper
105	100	
120	42.0	21.2 63.6

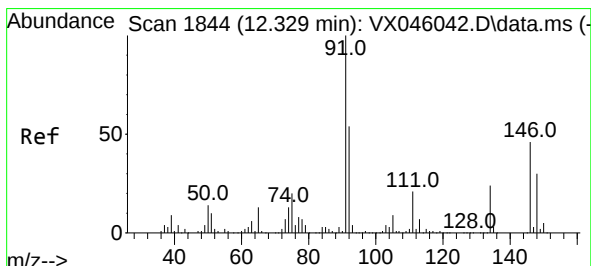
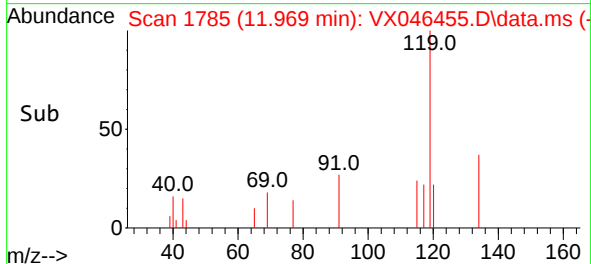
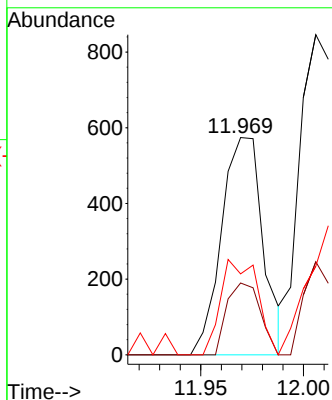
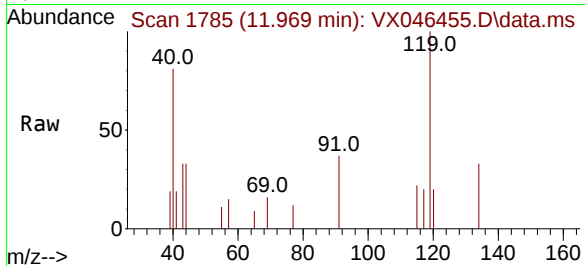




#86
p-Isopropyltoluene
Concen: 0.215 ug/l
RT: 11.969 min Scan# 11
Delta R.T. -0.037 min
Lab File: VX046455.D
Acq: 02 Jun 2025 19:29

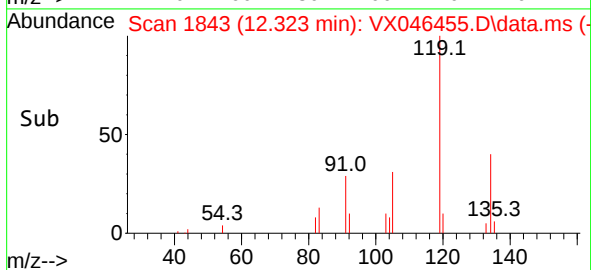
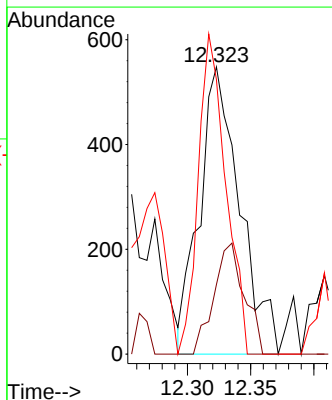
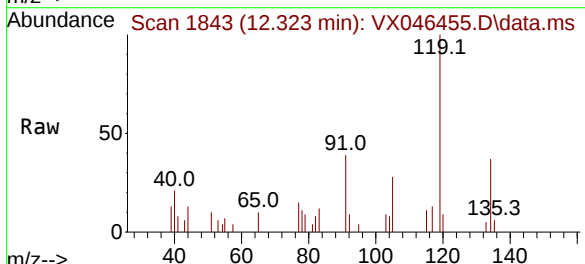
Instrument :
MSVOA_X
ClientSampleId :
303-PPR-1

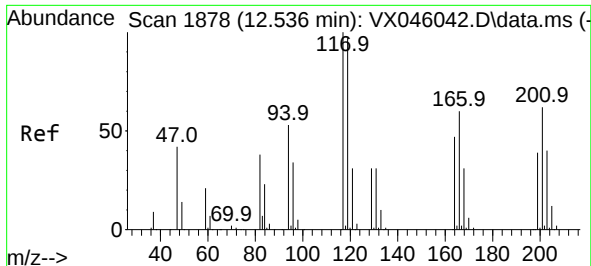
Tgt Ion:119	Resp:	813
Ion	Ratio	Lower Upper
119	100	
134	26.4	12.5 37.5
91	38.6	13.8 41.4



#89
n-Butylbenzene
Concen: 0.367 ug/l
RT: 12.323 min Scan# 1843
Delta R.T. -0.006 min
Lab File: VX046455.D
Acq: 02 Jun 2025 19:29

Tgt Ion: 91	Resp:	1217
Ion	Ratio	Lower Upper
91	100	
92	29.1	26.9 80.7
134	76.2	11.8 35.3#

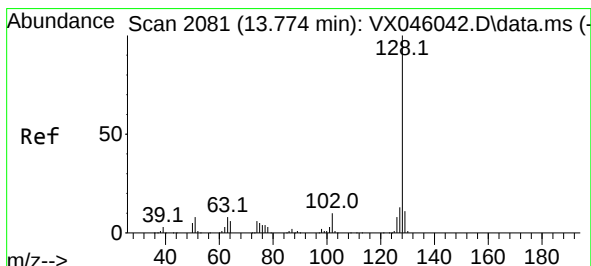
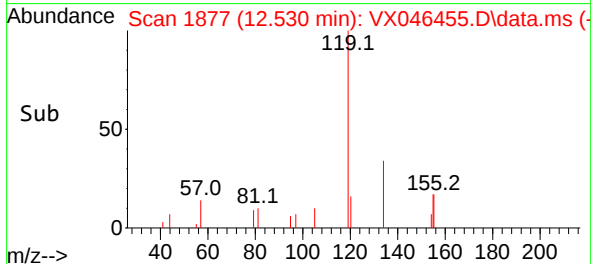
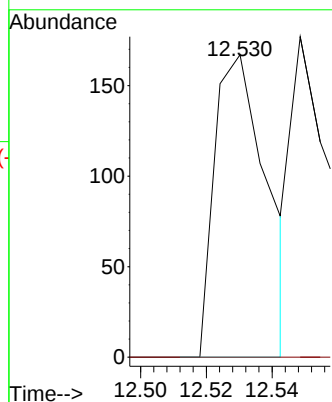
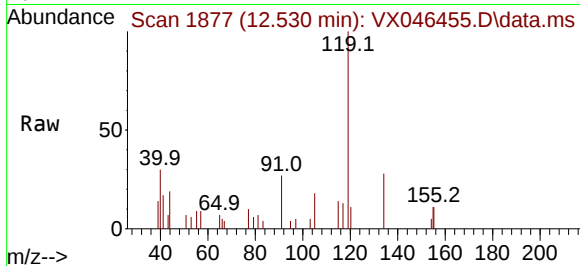




#90
Hexachloroethane
Concen: 0.276 ug/l
RT: 12.530 min Scan# 117
Delta R.T. -0.006 min
Lab File: VX046455.D
Acq: 02 Jun 2025 19:29

Instrument :
MSVOA_X
ClientSampleId :
303-PPR-1

Tgt Ion:117 Resp: 184
Ion Ratio Lower Upper
117 100
201 0.0 31.6 94.7#



#95
Naphthalene
Concen: 2.316 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX046455.D
Acq: 02 Jun 2025 19:29

Tgt Ion:128 Resp: 9206
Ion Ratio Lower Upper
128 100
127 11.5 10.4 15.6
129 12.9 8.6 13.0

