

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060225\
 Data File : VX046456.D
 Acq On : 02 Jun 2025 19:52
 Operator : JC/MD
 Sample : Q2169-03 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 303-PPR-2

Quant Time: Jun 03 01:37:04 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)

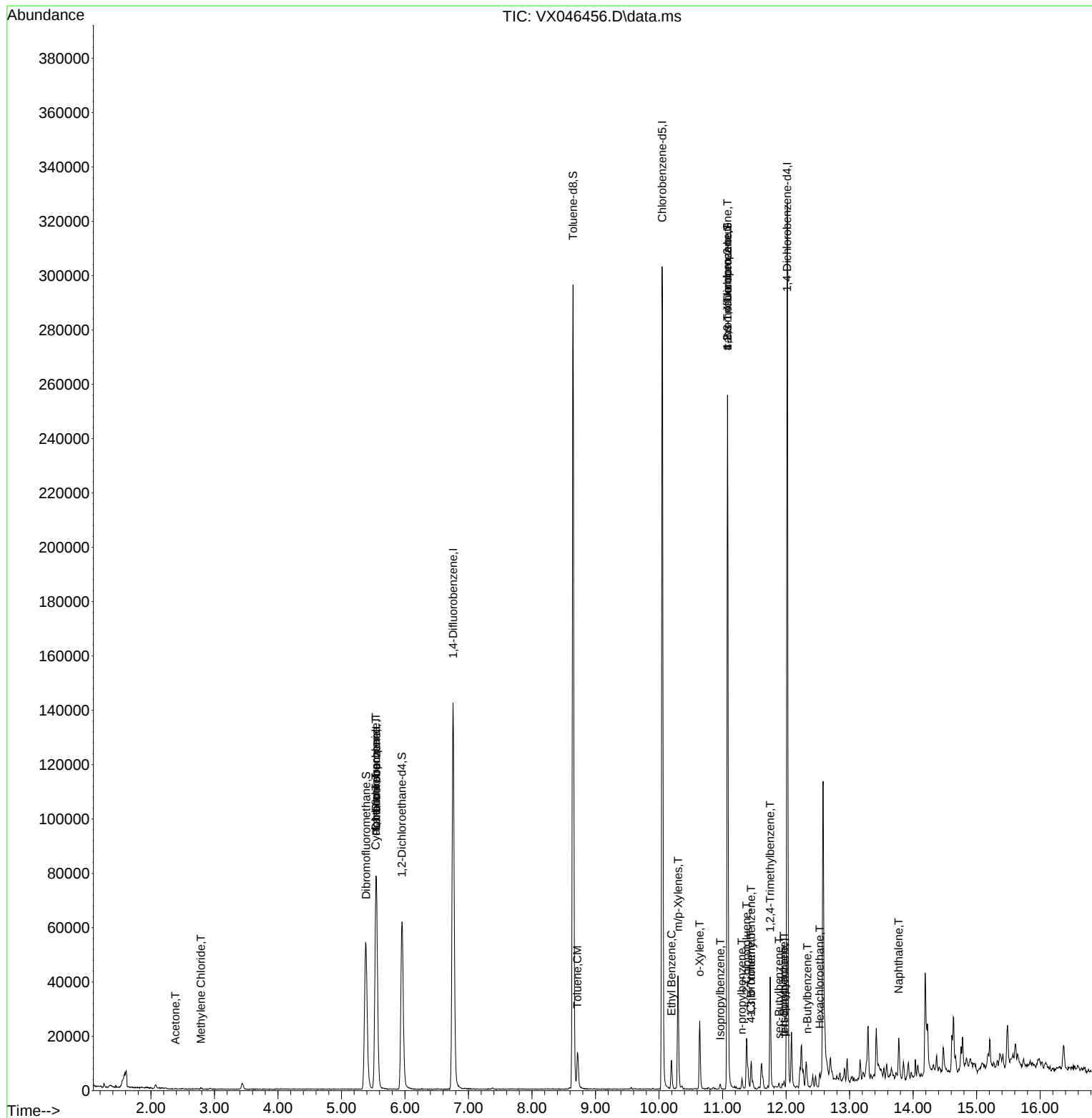
Internal Standards						
1) Pentafluorobenzene	5.550	168	67413	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	134443	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	127190	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	58921	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	63844	50.799	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 101.600%	
35) Dibromofluoromethane	5.385	113	46781	48.321	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 96.640%	
50) Toluene-d8	8.647	98	167790	50.074	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 100.140%	
62) 4-Bromofluorobenzene	11.079	95	67866	52.800	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 105.600%	
Target Compounds						
					Qvalue	
16) Acetone	2.386	43	237	0.470	ug/l #	48
20) Methylene Chloride	2.788	84	330	0.342	ug/l #	36
31) Cyclohexane	5.537	56	1889	1.261	ug/l #	36
36) 1,1-Dichloropropene	5.544	75	6403	4.922	ug/l #	53
38) Carbon Tetrachloride	5.544	117	7856	5.375	ug/l #	16
52) Toluene	8.714	92	5392	2.308	ug/l	97
67) Ethyl Benzene	10.195	91	6580	1.341	ug/l	92
68) m/p-Xylenes	10.299	106	8910	4.964	ug/l	95
69) o-Xylene	10.640	106	5363	3.065	ug/l	99
73) Isopropylbenzene	10.963	105	1094	0.238	ug/l	99
76) 1,2,3-Trichloropropane	11.079	75	38428	27.095	ug/l #	36
78) n-propylbenzene	11.305	91	2569	0.482	ug/l	100
79) 2-Chlorotoluene	11.378	91	1877	0.546	ug/l #	44
80) 1,3,5-Trimethylbenzene	11.451	105	4813	1.256	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.079	75	38428	88.214	ug/l #	1
82) 4-Chlorotoluene	11.445	91	773	0.203	ug/l #	48
83) tert-Butylbenzene	11.969	119	1051	0.272	ug/l	69
84) 1,2,4-Trimethylbenzene	11.750	105	18179	4.684	ug/l	99
85) sec-Butylbenzene	11.890	105	961	0.203	ug/l	90
86) p-Isopropyltoluene	11.969	119	1051	0.269	ug/l	91
89) n-Butylbenzene	12.335	91	1373	0.400	ug/l #	35
90) Hexachloroethane	12.530	117	244	0.354	ug/l #	19
95) Naphthalene	13.774	128	9617	2.341	ug/l #	95

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

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Quant Title : SW846 8260
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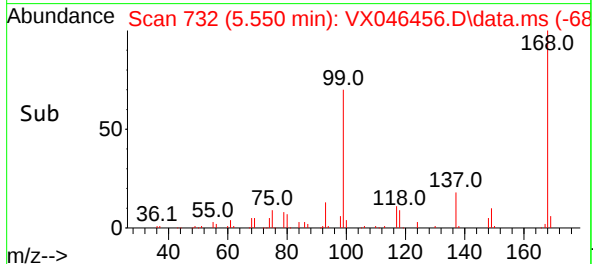
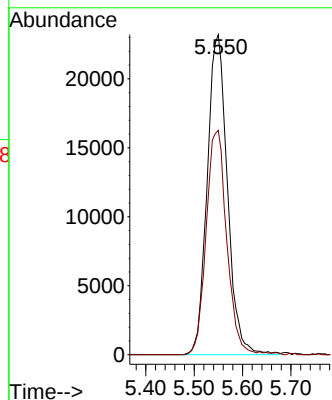
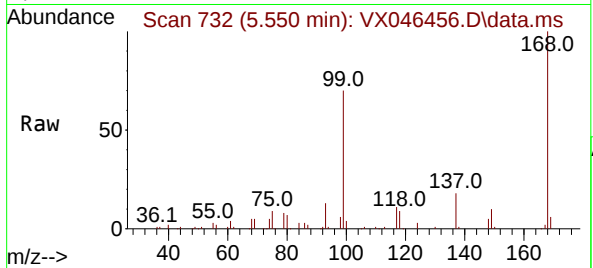




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX046456.D
Acq: 02 Jun 2025 19:52

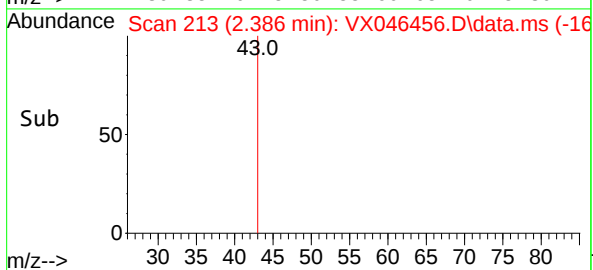
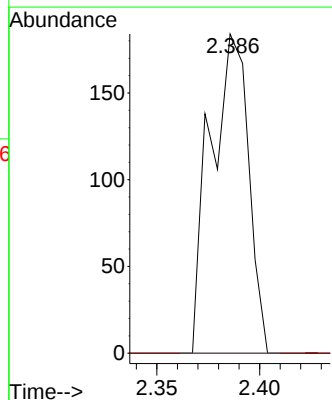
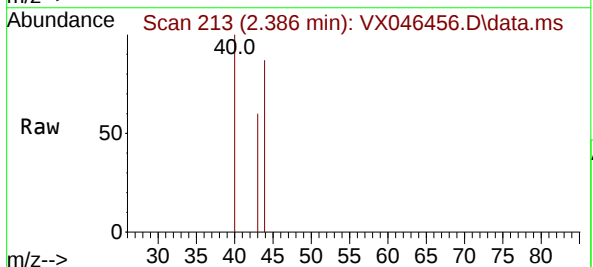
Instrument :
MSVOA_X
ClientSampleId :
303-PPR-2

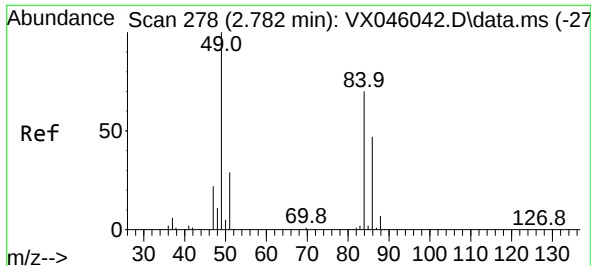
Tgt Ion:168 Resp: 67413
Ion Ratio Lower Upper
168 100
99 70.1 54.9 82.3



#16
Acetone
Concen: 0.470 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX046456.D
Acq: 02 Jun 2025 19:52

Tgt Ion: 43 Resp: 237
Ion Ratio Lower Upper
43 100
58 0.0 21.2 31.8#





#20

Methylene Chloride

Concen: 0.342 ug/l

RT: 2.788 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX046456.D

Acq: 02 Jun 2025 19:52

Instrument :

MSVOA_X

ClientSampleId :

303-PPR-2

Tgt Ion: 84 Resp: 330

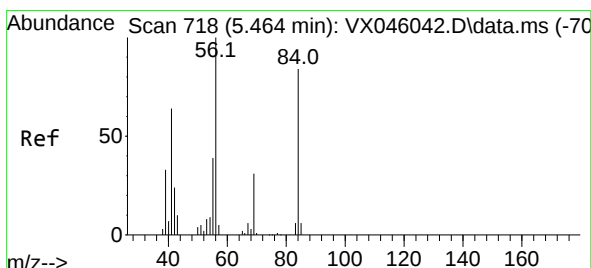
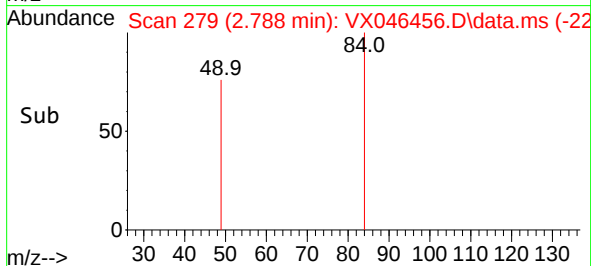
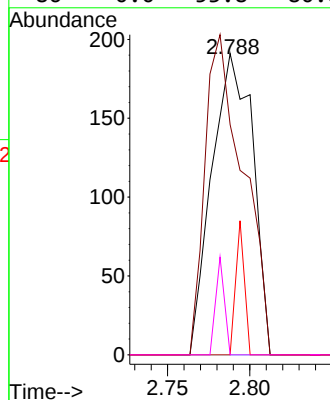
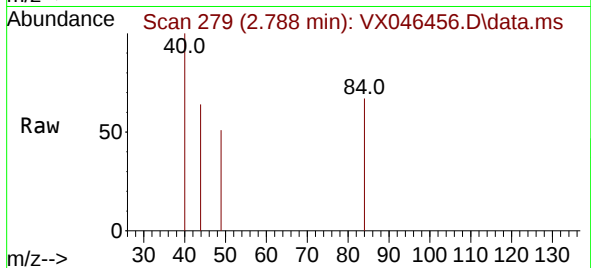
Ion Ratio Lower Upper

84 100

49 76.4 113.9 170.9#

51 0.0 33.5 50.3#

86 0.0 53.8 80.8#



#31

Cyclohexane

Concen: 1.261 ug/l

RT: 5.537 min Scan# 730

Delta R.T. 0.073 min

Lab File: VX046456.D

Acq: 02 Jun 2025 19:52

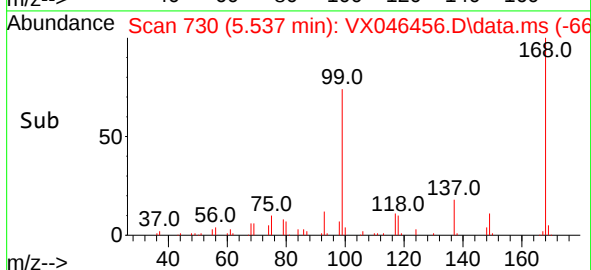
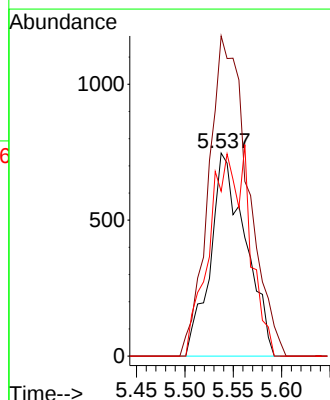
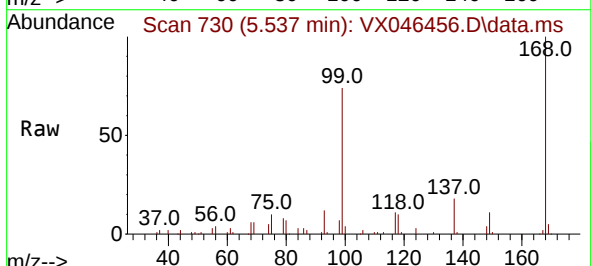
Tgt Ion: 56 Resp: 1889

Ion Ratio Lower Upper

56 100

69 157.7 24.4 36.6#

84 81.1 66.9 100.3

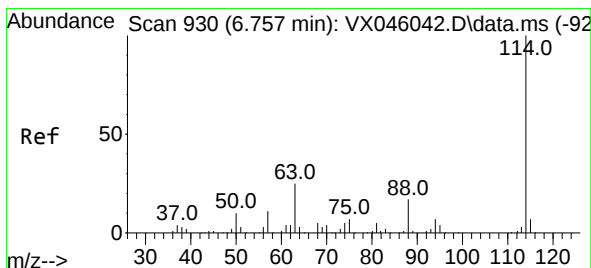
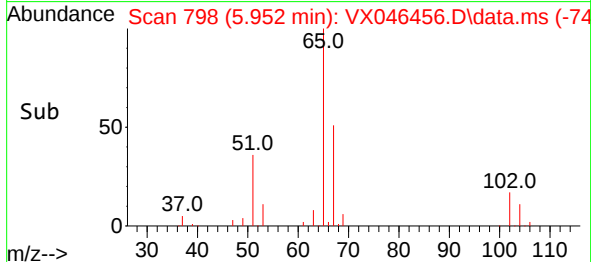
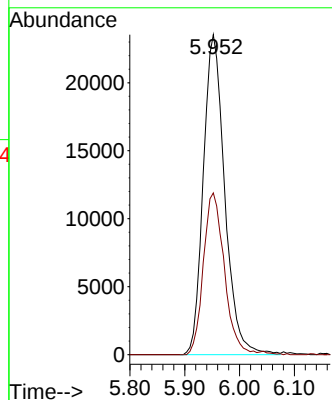
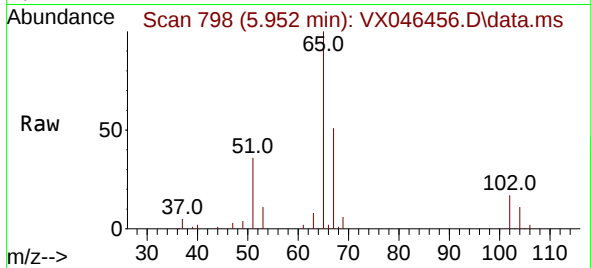




#33
 1,2-Dichloroethane-d4
 Concen: 50.799 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. -0.000 min
 Lab File: VX046456.D
 Acq: 02 Jun 2025 19:52

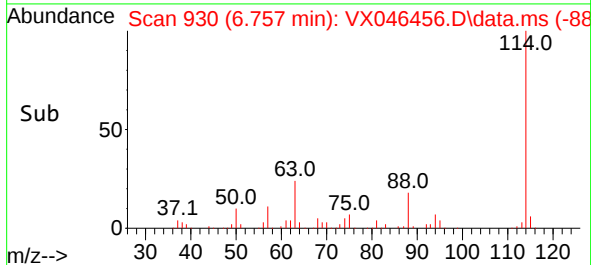
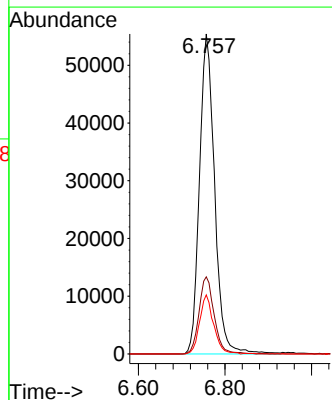
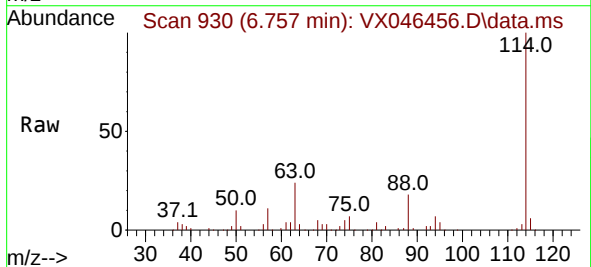
Instrument :
 MSVOA_X
 ClientSampleId :
 303-PPR-2

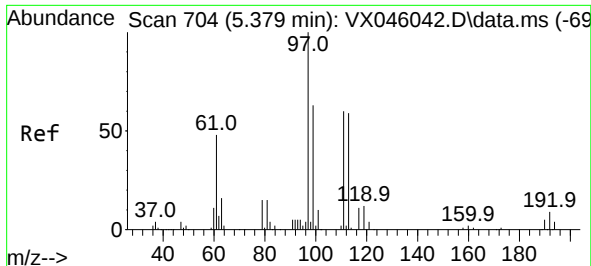
Tgt Ion: 65 Resp: 63844
 Ion Ratio Lower Upper
 65 100
 67 49.9 0.0 99.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. -0.000 min
 Lab File: VX046456.D
 Acq: 02 Jun 2025 19:52

Tgt Ion: 114 Resp: 134443
 Ion Ratio Lower Upper
 114 100
 63 24.1 0.0 49.2
 88 18.4 0.0 33.6

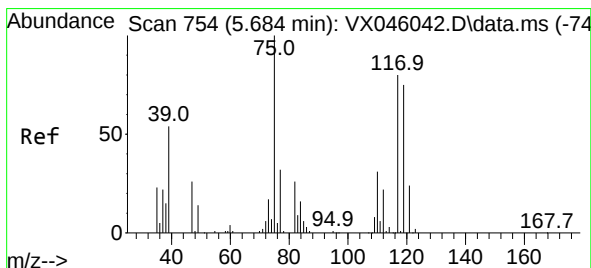
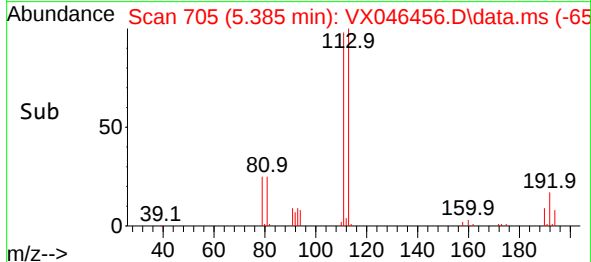
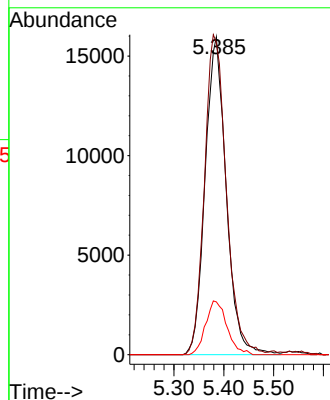
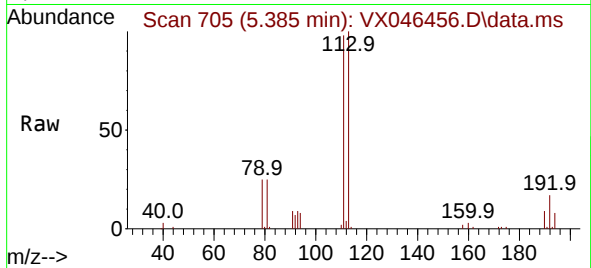




#35
Dibromofluoromethane
Concen: 48.321 ug/l
RT: 5.385 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX046456.D
Acq: 02 Jun 2025 19:52

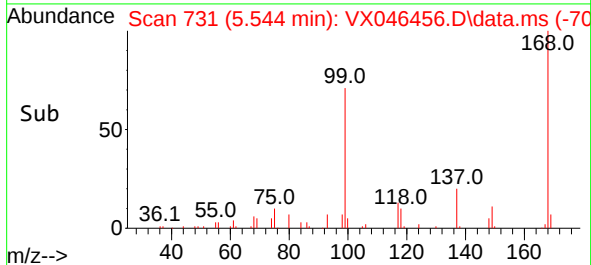
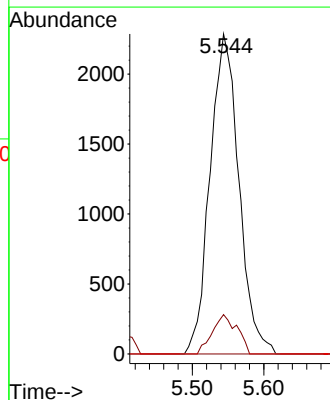
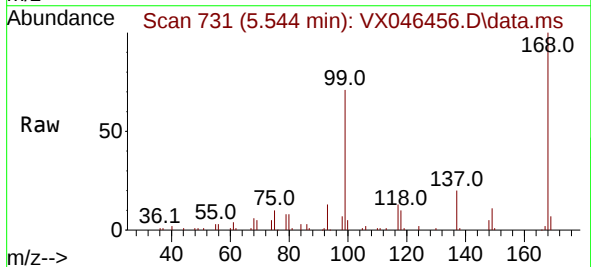
Instrument :
MSVOA_X
ClientSampleId :
303-PPR-2

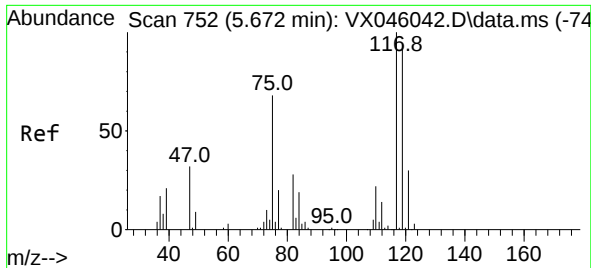
Tgt Ion:113 Resp: 46781
Ion Ratio Lower Upper
113 100
111 104.3 83.1 124.7
192 17.2 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.922 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.140 min
Lab File: VX046456.D
Acq: 02 Jun 2025 19:52

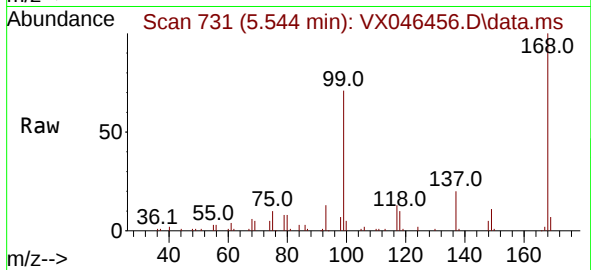
Tgt Ion: 75 Resp: 6403
Ion Ratio Lower Upper
75 100
110 10.5 16.3 48.9#
77 0.0 24.3 36.5#



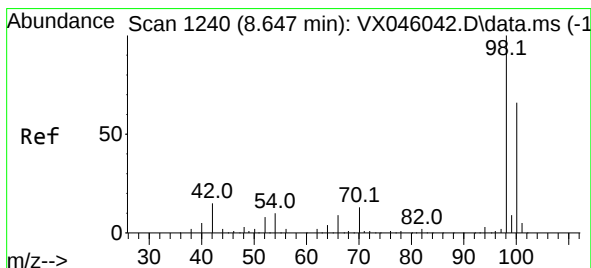
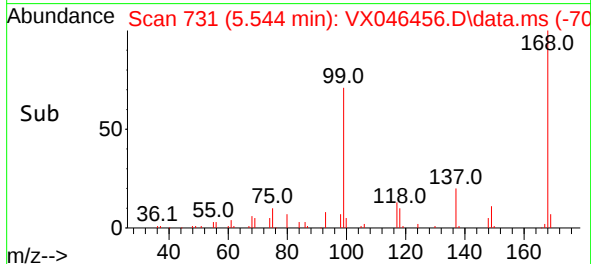
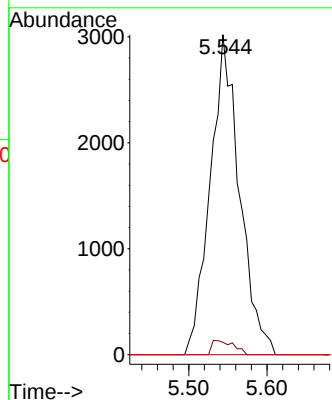


#38
Carbon Tetrachloride
Concen: 5.375 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX046456.D
Acq: 02 Jun 2025 19:52

Instrument :
MSVOA_X
ClientSampleId :
303-PPR-2

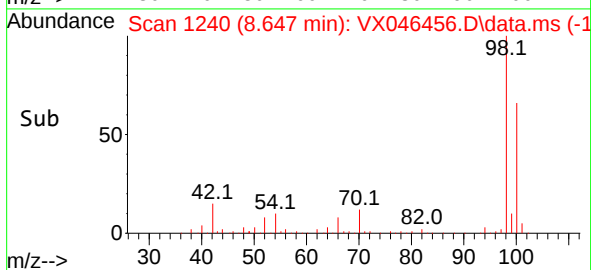
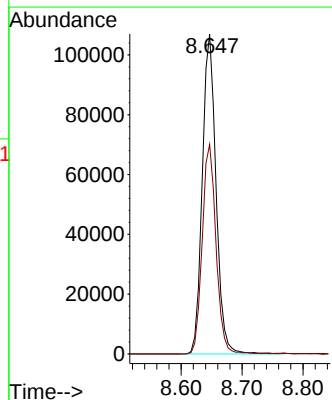
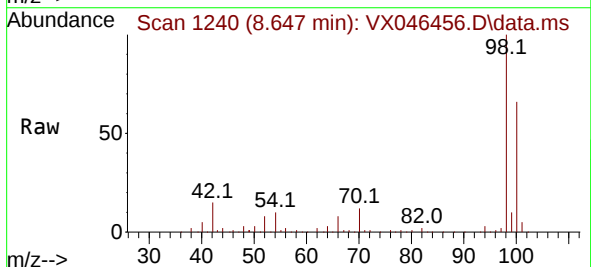


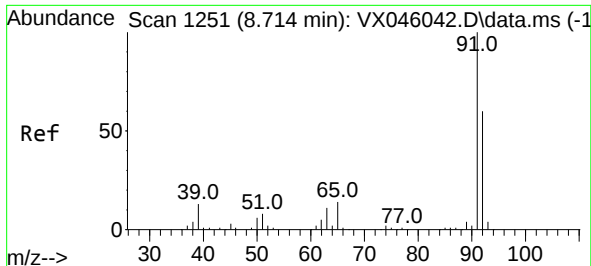
Tgt Ion:117 Resp: 7856
Ion Ratio Lower Upper
117 100
119 3.8 75.2 112.8#
121 0.0 24.2 36.4#



#50
Toluene-d8
Concen: 50.074 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046456.D
Acq: 02 Jun 2025 19:52

Tgt Ion: 98 Resp: 167790
Ion Ratio Lower Upper
98 100
100 66.0 53.5 80.3

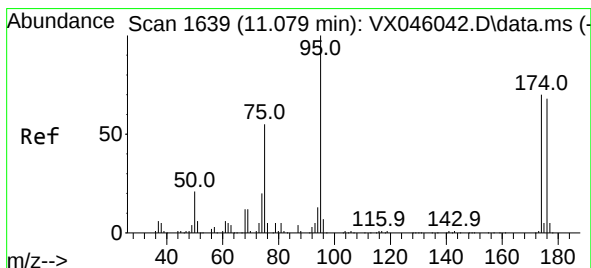
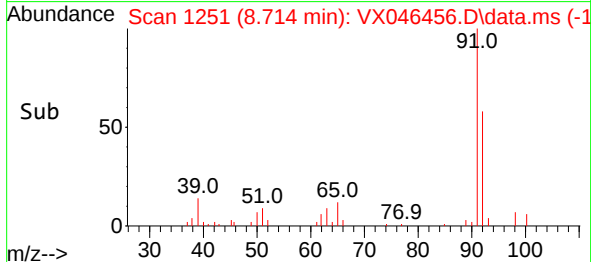
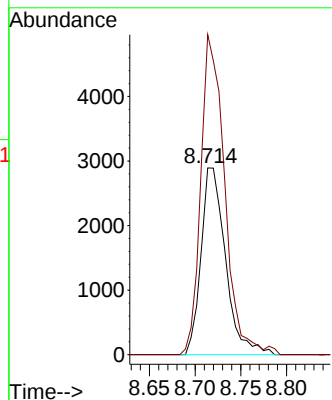
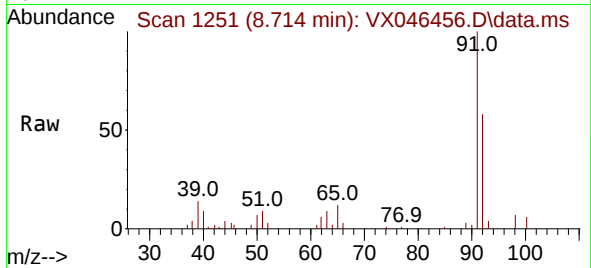




#52
Toluene
Concen: 2.308 ug/l
RT: 8.714 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046456.D
Acq: 02 Jun 2025 19:52

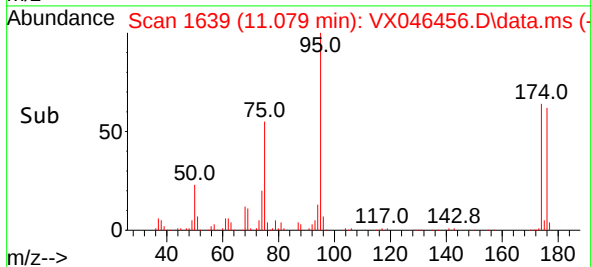
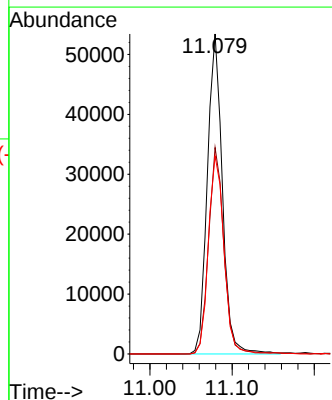
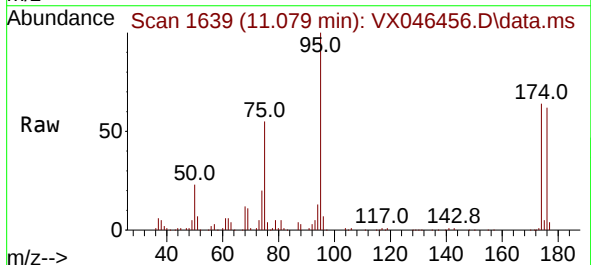
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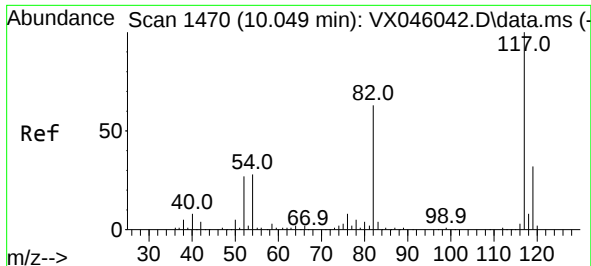
Tgt Ion: 92 Resp: 5392
Ion Ratio Lower Upper
92 100
91 167.0 136.6 205.0



#62
4-Bromofluorobenzene
Concen: 52.800 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046456.D
Acq: 02 Jun 2025 19:52

Tgt Ion: 95 Resp: 67866
Ion Ratio Lower Upper
95 100
174 65.6 0.0 135.8
176 64.1 0.0 131.4

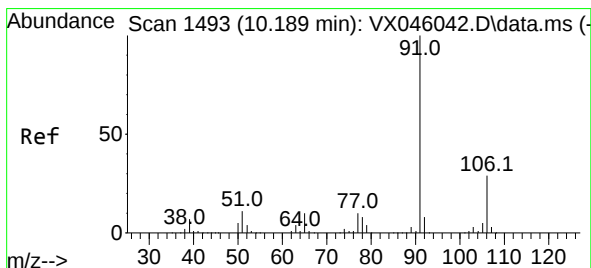
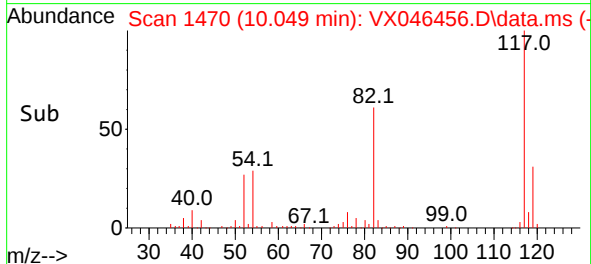
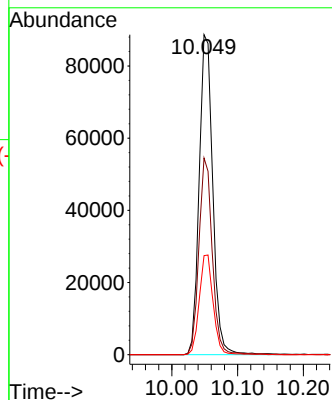
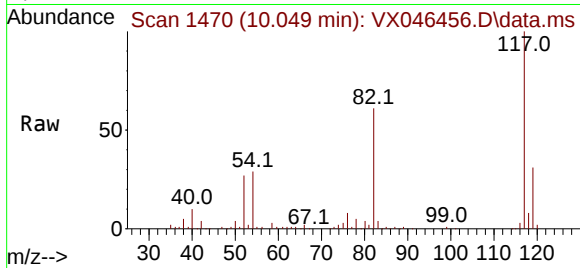




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX046456.D
Acq: 02 Jun 2025 19:52

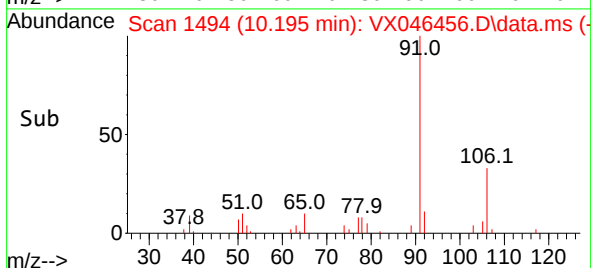
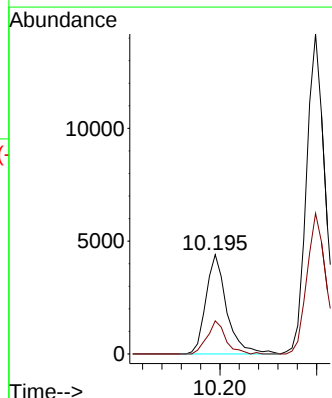
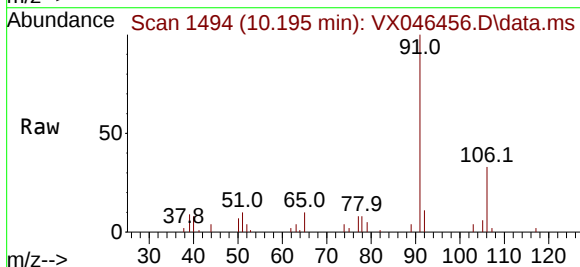
Instrument :
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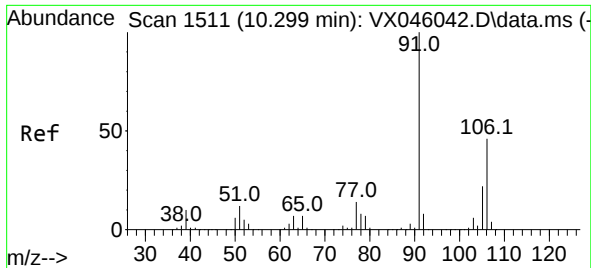
Tgt Ion:117 Resp: 127190
Ion Ratio Lower Upper
117 100
82 61.4 50.6 76.0
119 31.0 25.8 38.6



#67
Ethyl Benzene
Concen: 1.341 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.006 min
Lab File: VX046456.D
Acq: 02 Jun 2025 19:52

Tgt Ion: 91 Resp: 6580
Ion Ratio Lower Upper
91 100
106 33.3 23.4 35.2

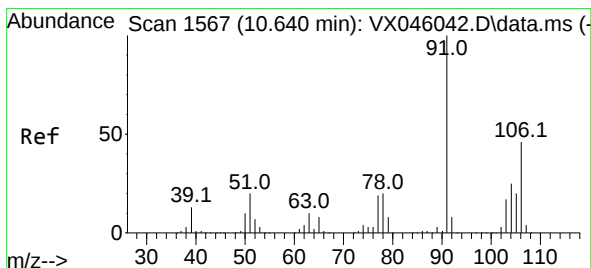
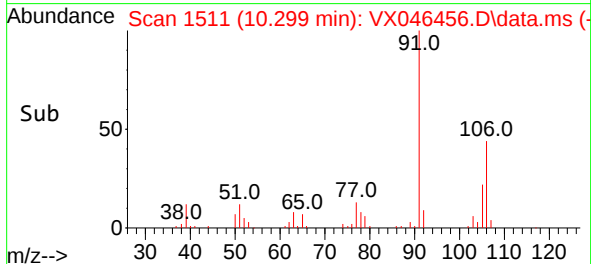
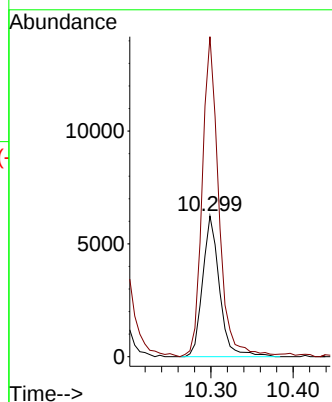
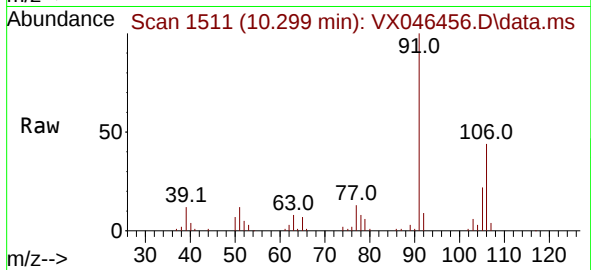




#68
m/p-Xylenes
Concen: 4.964 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX046456.D
Acq: 02 Jun 2025 19:52

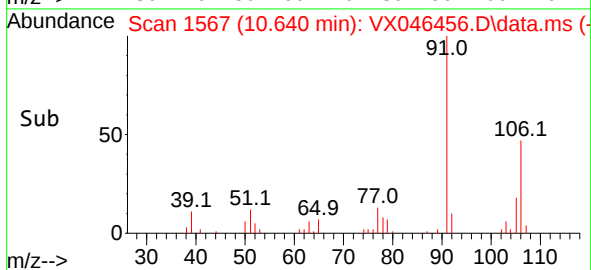
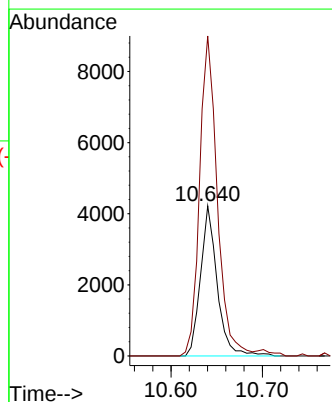
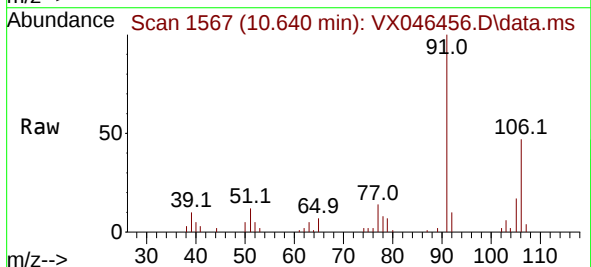
Instrument :
MSVOA_X
ClientSampleId :
303-PPR-2

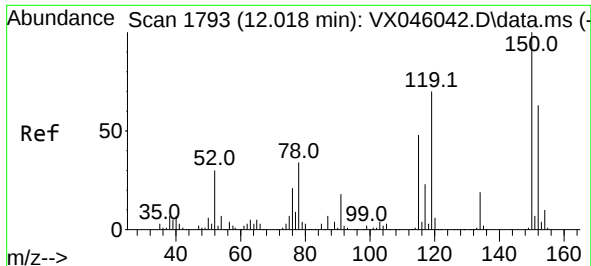
Tgt Ion:106 Resp: 8910
Ion Ratio Lower Upper
106 100
91 222.4 171.2 256.8



#69
o-Xylene
Concen: 3.065 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX046456.D
Acq: 02 Jun 2025 19:52

Tgt Ion:106 Resp: 5363
Ion Ratio Lower Upper
106 100
91 224.4 112.7 338.1

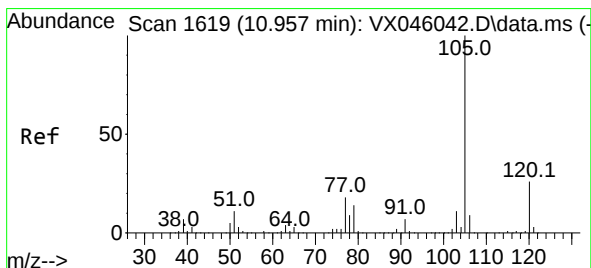
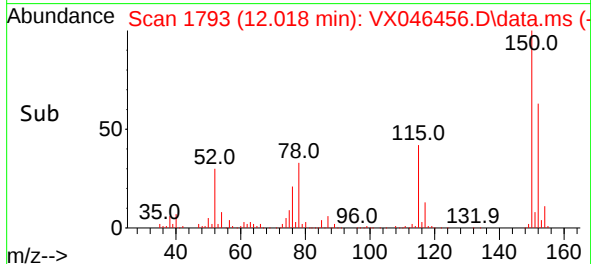
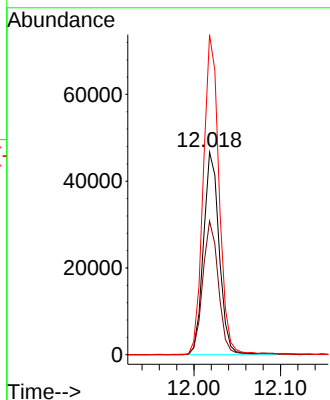
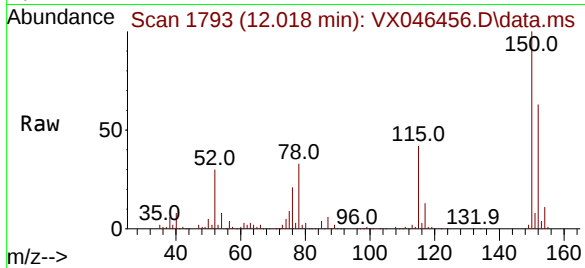




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046456.D
Acq: 02 Jun 2025 19:52

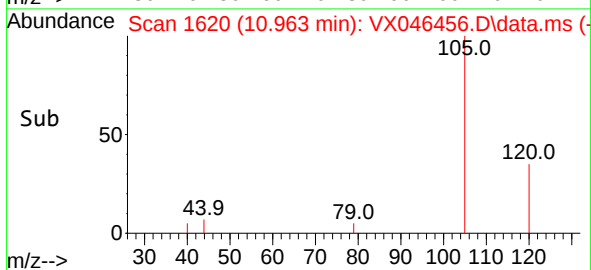
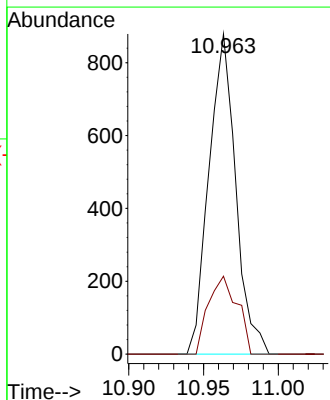
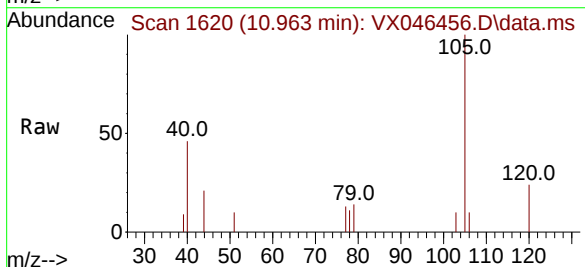
Instrument :
MSVOA_X
ClientSampleId :
303-PPR-2

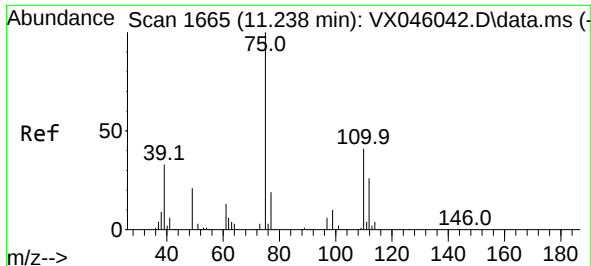
Tgt Ion:152 Resp: 58921
Ion Ratio Lower Upper
152 100
115 65.7 46.9 140.7
150 158.6 0.0 351.0



#73
Isopropylbenzene
Concen: 0.238 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.006 min
Lab File: VX046456.D
Acq: 02 Jun 2025 19:52

Tgt Ion:105 Resp: 1094
Ion Ratio Lower Upper
105 100
120 26.2 12.8 38.4

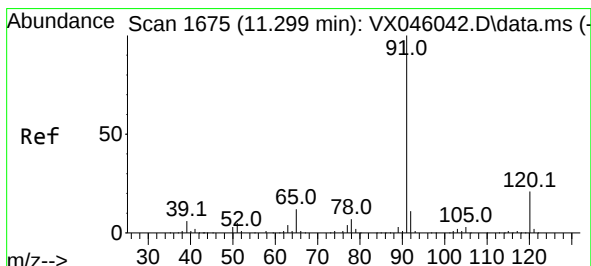
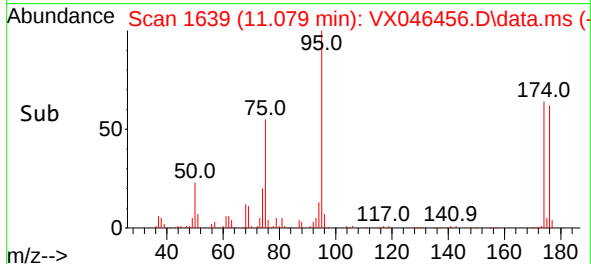
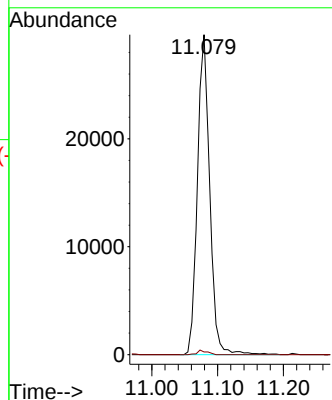
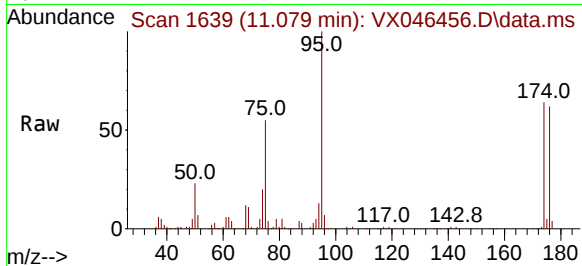




#76
1,2,3-Trichloropropane
Concen: 27.095 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX046456.D
Acq: 02 Jun 2025 19:52

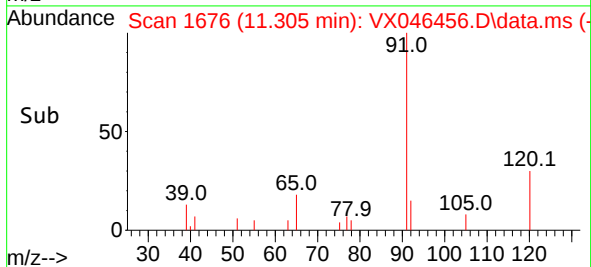
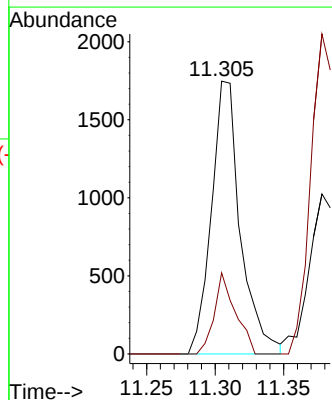
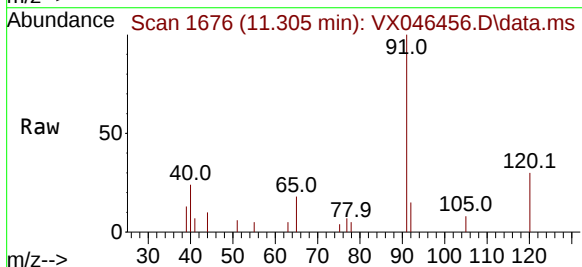
Instrument :
MSVOA_X
ClientSampleId :
303-PPR-2

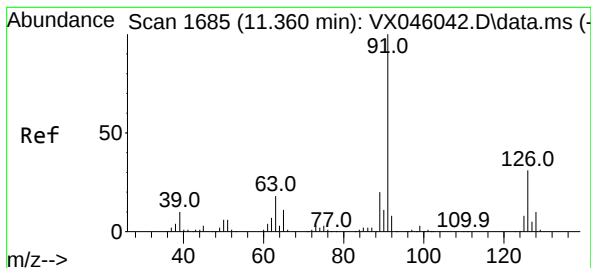
Tgt Ion: 75 Resp: 38428
Ion Ratio Lower Upper
75 100
77 1.1 20.5 61.5#



#78
n-propylbenzene
Concen: 0.482 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX046456.D
Acq: 02 Jun 2025 19:52

Tgt Ion: 91 Resp: 2569
Ion Ratio Lower Upper
91 100
120 21.6 10.8 32.4





#79

2-Chlorotoluene

Concen: 0.546 ug/l

RT: 11.378 min Scan# 1

Delta R.T. 0.018 min

Lab File: VX046456.D

Acq: 02 Jun 2025 19:52

Instrument :

MSVOA_X

ClientSampleId :

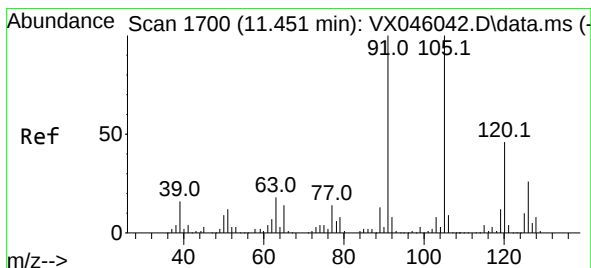
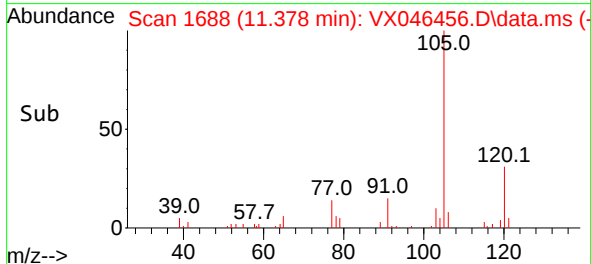
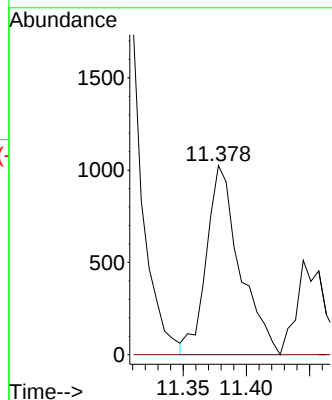
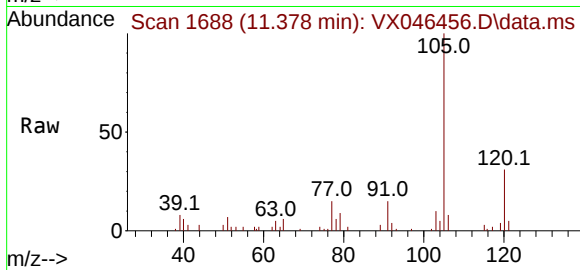
303-PPR-2

Tgt Ion: 91 Resp: 1877

Ion Ratio Lower Upper

91 100

126 0.0 15.6 46.7#



#80

1,3,5-Trimethylbenzene

Concen: 1.256 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX046456.D

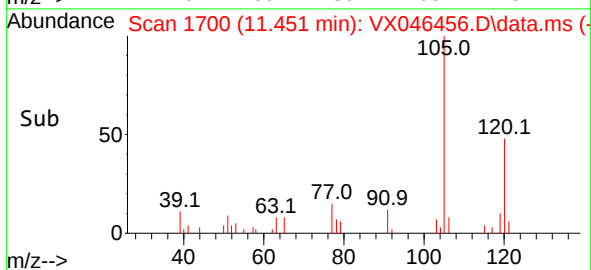
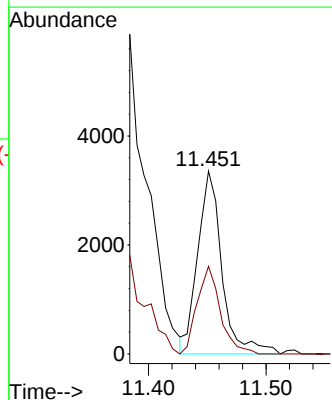
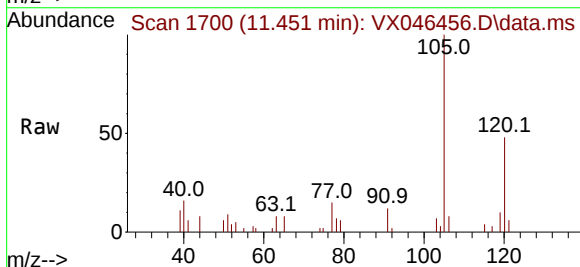
Acq: 02 Jun 2025 19:52

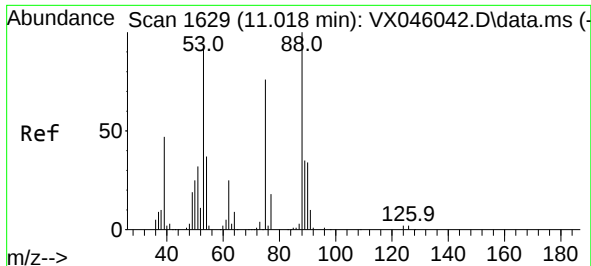
Tgt Ion: 105 Resp: 4813

Ion Ratio Lower Upper

105 100

120 45.9 23.1 69.2

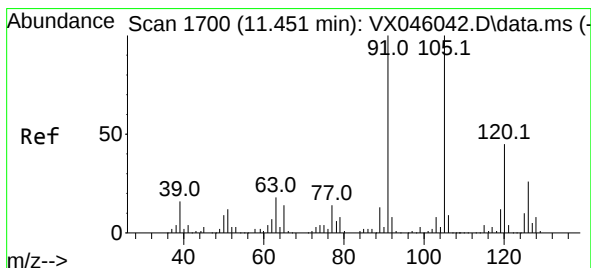
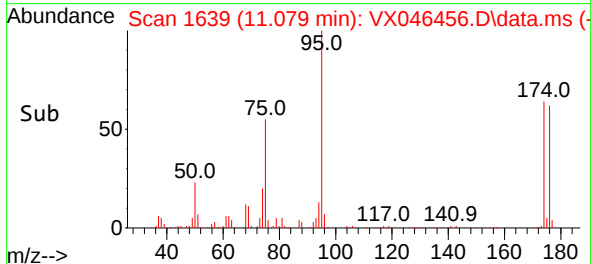
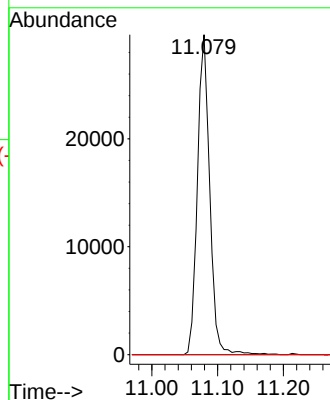
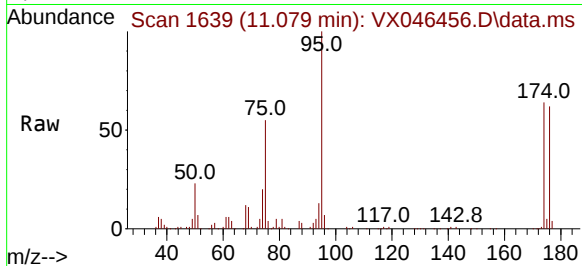




#81
trans-1,4-Dichloro-2-butene
Concen: 88.214 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX046456.D
Acq: 02 Jun 2025 19:52

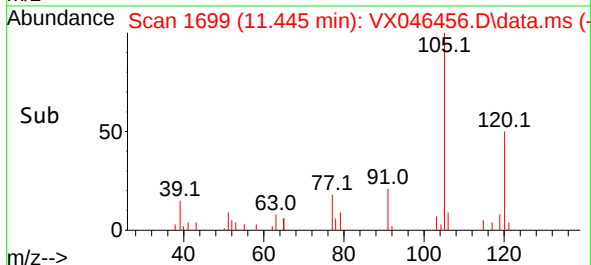
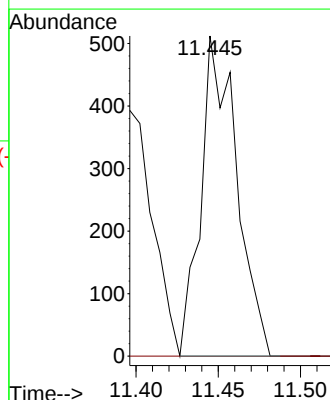
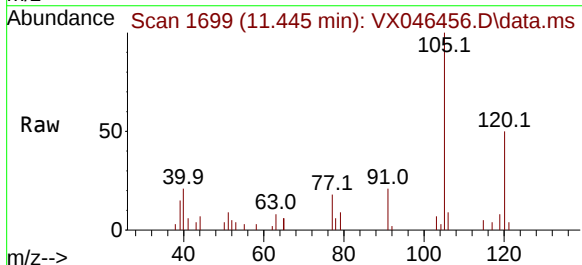
Instrument :
MSVOA_X
ClientSampleId :
303-PPR-2

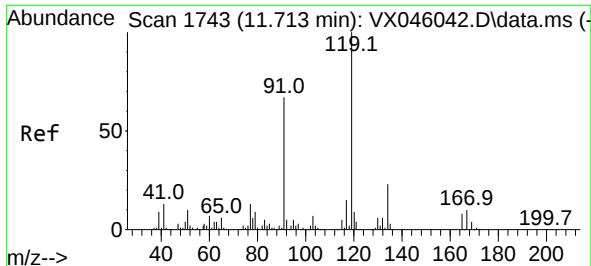
Tgt Ion: 75 Resp: 38428
Ion Ratio Lower Upper
75 100
53 0.0 100.5 150.7#
89 0.0 37.0 55.6#



#82
4-Chlorotoluene
Concen: 0.203 ug/l
RT: 11.445 min Scan# 1699
Delta R.T. -0.006 min
Lab File: VX046456.D
Acq: 02 Jun 2025 19:52

Tgt Ion: 91 Resp: 773
Ion Ratio Lower Upper
91 100
126 0.0 13.3 39.8#

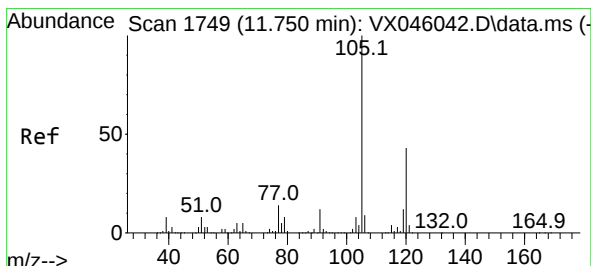
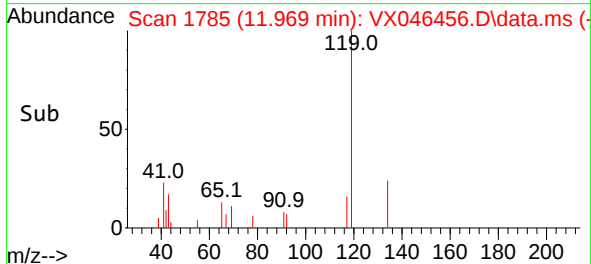
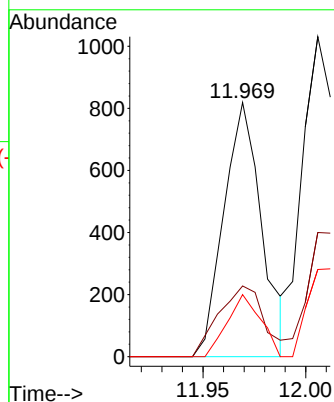
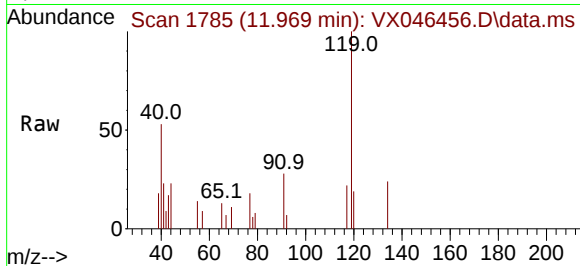




#83
 tert-Butylbenzene
 Concen: 0.272 ug/l
 RT: 11.969 min Scan# 1785
 Delta R.T. 0.256 min
 Lab File: VX046456.D
 Acq: 02 Jun 2025 19:52

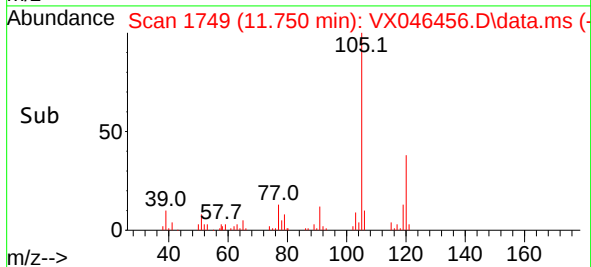
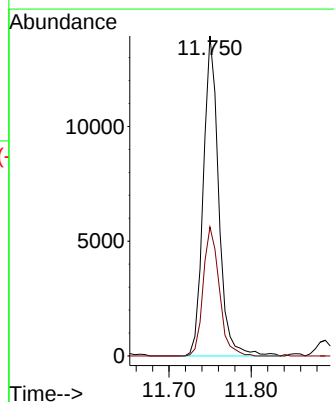
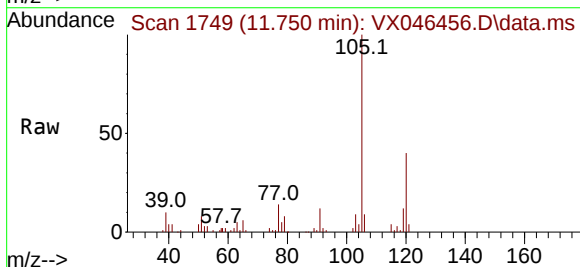
Instrument :
 MSVOA_X
 ClientSampleId :
 303-PPR-2

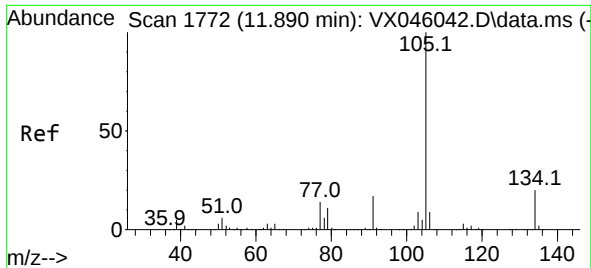
Tgt Ion:119 Resp: 1051
 Ion Ratio Lower Upper
 119 100
 91 33.0 32.9 98.7
 134 21.6 11.4 34.1



#84
 1,2,4-Trimethylbenzene
 Concen: 4.684 ug/l
 RT: 11.750 min Scan# 1749
 Delta R.T. -0.000 min
 Lab File: VX046456.D
 Acq: 02 Jun 2025 19:52

Tgt Ion:105 Resp: 18179
 Ion Ratio Lower Upper
 105 100
 120 42.0 21.2 63.6

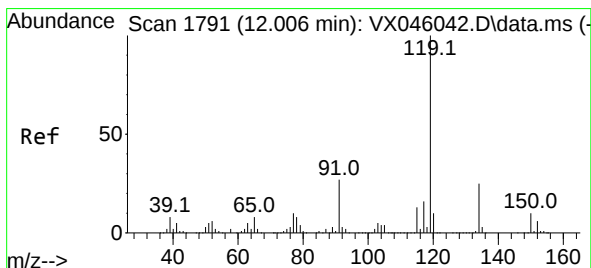
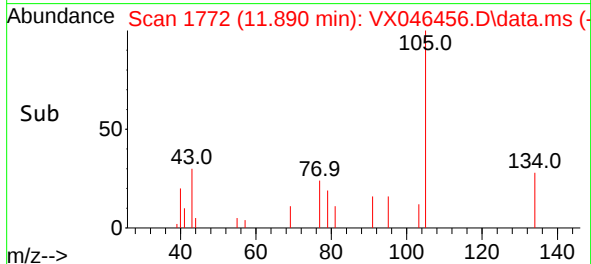
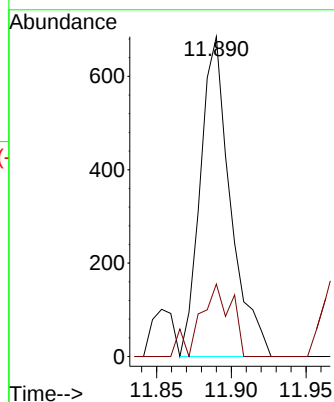
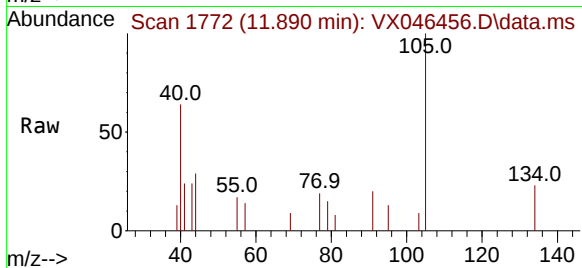




#85
 sec-Butylbenzene
 Concen: 0.203 ug/l
 RT: 11.890 min Scan# 1772
 Delta R.T. -0.000 min
 Lab File: VX046456.D
 Acq: 02 Jun 2025 19:52

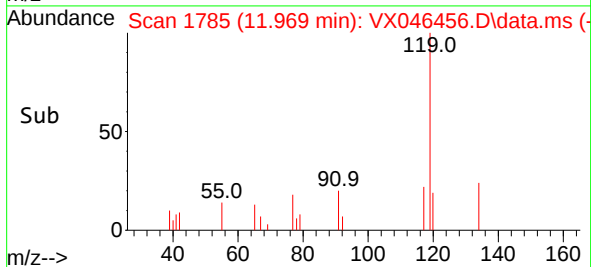
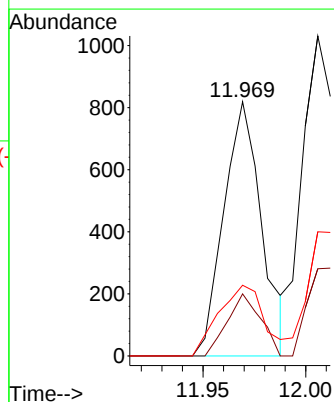
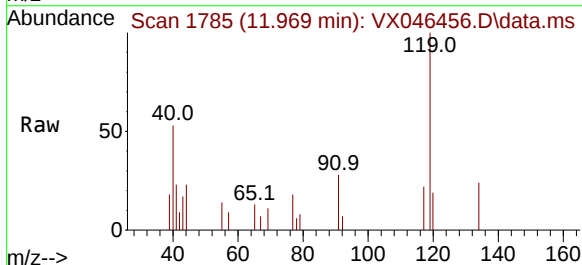
Instrument :
 MSVOA_X
 ClientSampleId :
 303-PPR-2

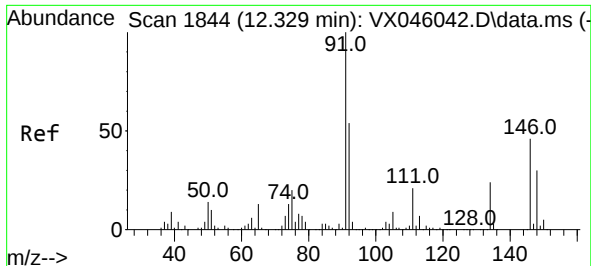
Tgt Ion:105 Resp: 961
 Ion Ratio Lower Upper
 105 100
 134 23.7 9.7 29.1



#86
 p-Isopropyltoluene
 Concen: 0.269 ug/l
 RT: 11.969 min Scan# 1785
 Delta R.T. -0.037 min
 Lab File: VX046456.D
 Acq: 02 Jun 2025 19:52

Tgt Ion:119 Resp: 1051
 Ion Ratio Lower Upper
 119 100
 134 21.6 12.5 37.5
 91 33.0 13.8 41.4





#89

n-Butylbenzene

Concen: 0.400 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.006 min

Lab File: VX046456.D

Acq: 02 Jun 2025 19:52

Instrument :

MSVOA_X

ClientSampleId :

303-PPR-2

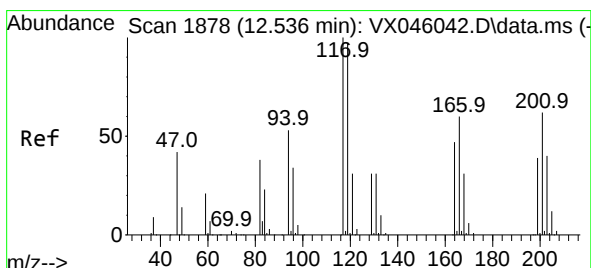
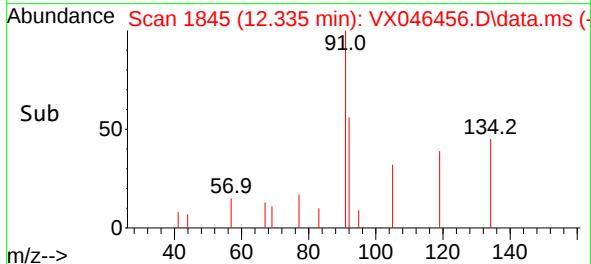
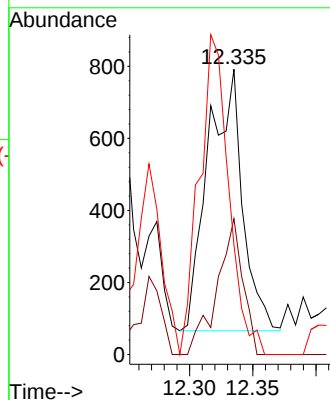
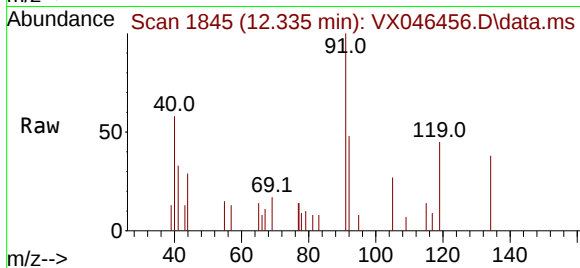
Tgt Ion: 91 Resp: 1373

Ion Ratio Lower Upper

91 100

92 38.9 26.9 80.7

134 104.8 11.8 35.3#



#90

Hexachloroethane

Concen: 0.354 ug/l

RT: 12.530 min Scan# 1877

Delta R.T. -0.006 min

Lab File: VX046456.D

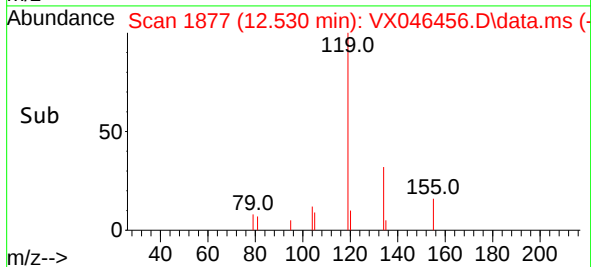
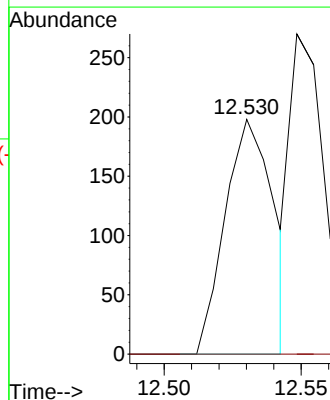
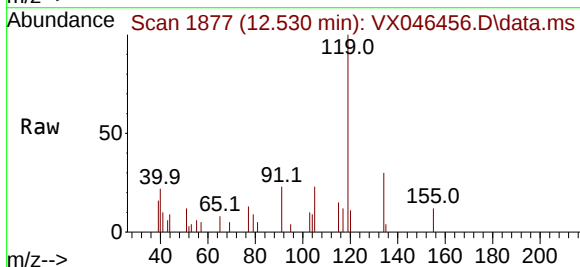
Acq: 02 Jun 2025 19:52

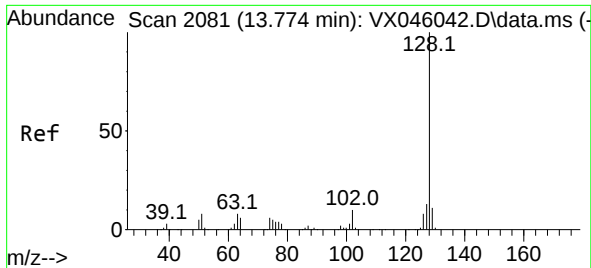
Tgt Ion: 117 Resp: 244

Ion Ratio Lower Upper

117 100

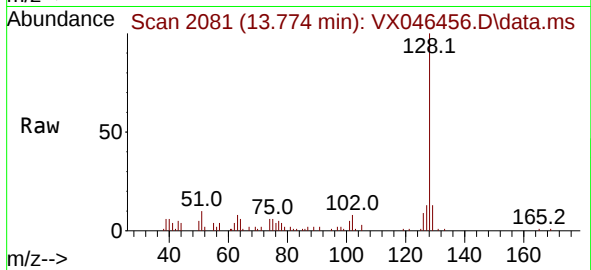
201 0.0 31.6 94.7#





#95
Naphthalene
Concen: 2.341 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX046456.D
Acq: 02 Jun 2025 19:52

Instrument :
MSVOA_X
ClientSampleId :
303-PPR-2



Tgt Ion:128 Resp: 9617
Ion Ratio Lower Upper
128 100
127 14.1 10.4 15.6
129 13.3 8.6 13.0#

