

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060425\
 Data File : VX046492.D
 Acq On : 04 Jun 2025 11:55
 Operator : JC/MD
 Sample : Q2169-03DL 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 303-PPR-2DL

Quant Time: Jun 05 01:43:22 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	67192	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	132686	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	127132	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	59514	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	63301	50.533	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 101.060%	
35) Dibromofluoromethane	5.385	113	48012	50.249	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.500%	
50) Toluene-d8	8.647	98	167989	50.797	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.600%	
62) 4-Bromofluorobenzene	11.079	95	68307	53.847	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 107.700%	

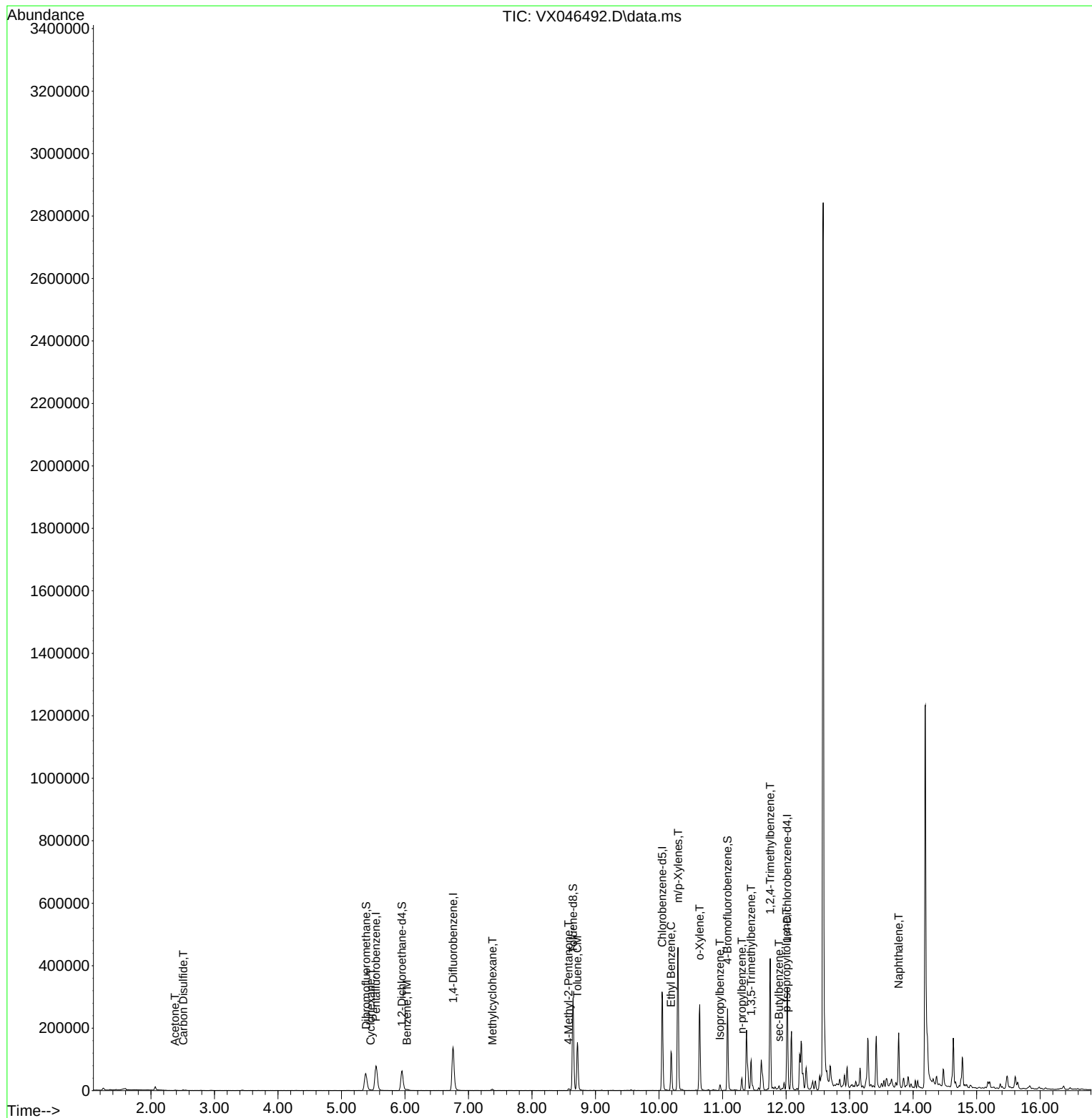
Target Compounds					Qvalue	
16) Acetone	2.379	43	1330	2.648	ug/l	99
17) Carbon Disulfide	2.507	76	2524	1.336	ug/l #	93
31) Cyclohexane	5.458	56	818	0.548	ug/l #	68
39) Methylcyclohexane	7.379	83	1634	0.989	ug/l #	87
40) Benzene	6.031	78	3512	0.934	ug/l	94
51) 4-Methyl-2-Pentanone	8.573	43	3453	2.150	ug/l	96
52) Toluene	8.714	92	55662	24.140	ug/l	99
67) Ethyl Benzene	10.189	91	72438	14.768	ug/l	98
68) m/p-Xylenes	10.299	106	98673	55.003	ug/l	98
69) o-Xylene	10.640	106	54274	31.033	ug/l	96
73) Isopropylbenzene	10.957	105	8977	1.937	ug/l	95
78) n-propylbenzene	11.305	91	24754	4.595	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	42125	10.883	ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	175234	44.703	ug/l	99
85) sec-Butylbenzene	11.890	105	5649	1.180	ug/l	87
86) p-Isopropyltoluene	12.006	119	10550	2.670	ug/l	95
95) Naphthalene	13.774	128	98751	23.796	ug/l	99

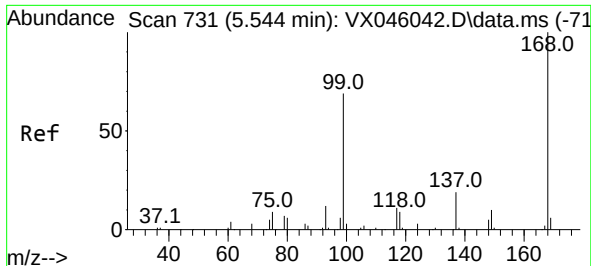
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 05 01:43:22 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

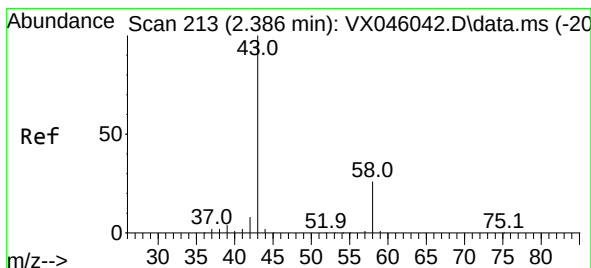
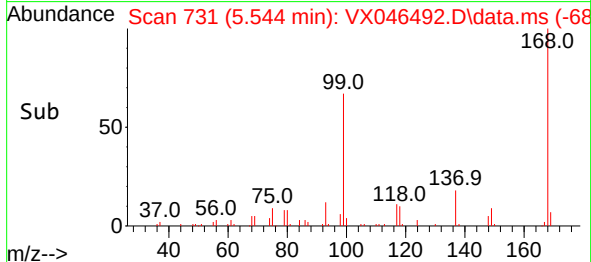
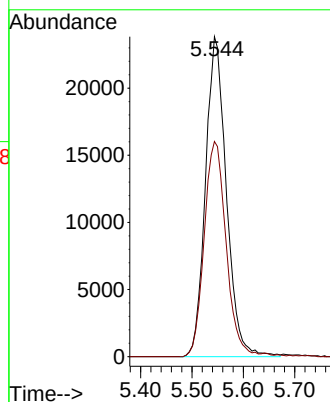
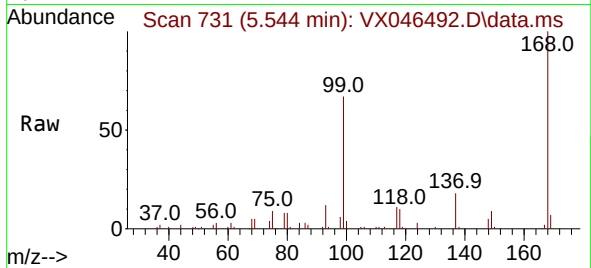




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX046492.D
Acq: 04 Jun 2025 11:55

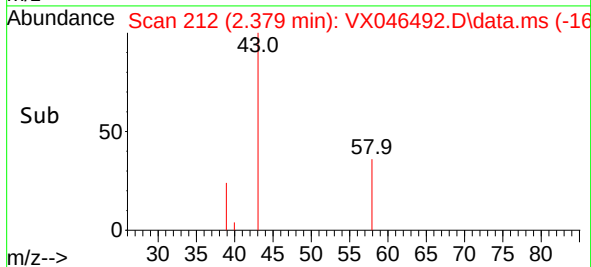
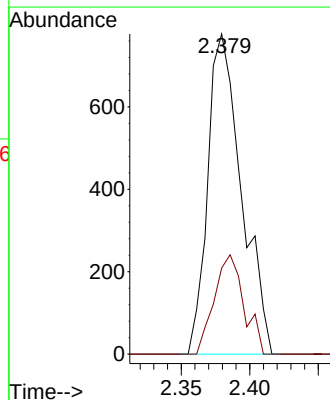
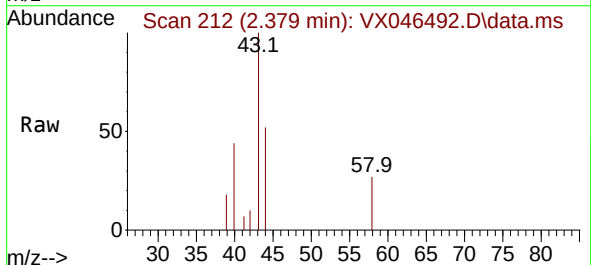
Instrument :
MSVOA_X
ClientSampleId :
303-PPR-2DL

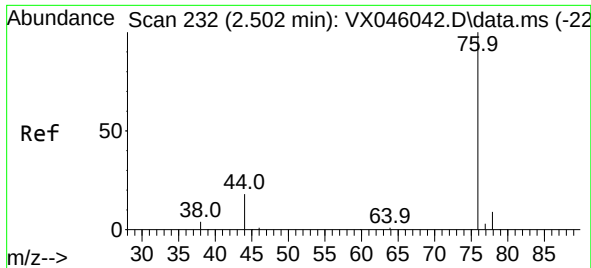
Tgt Ion:168 Resp: 67192
Ion Ratio Lower Upper
168 100
99 67.2 54.9 82.3



#16
Acetone
Concen: 2.648 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX046492.D
Acq: 04 Jun 2025 11:55

Tgt Ion: 43 Resp: 1330
Ion Ratio Lower Upper
43 100
58 26.9 21.2 31.8





#17

Carbon Disulfide

Concen: 1.336 ug/l

RT: 2.507 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX046492.D

Acq: 04 Jun 2025 11:55

Instrument :

MSVOA_X

ClientSampleId :

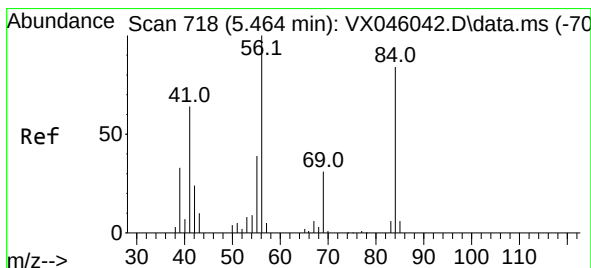
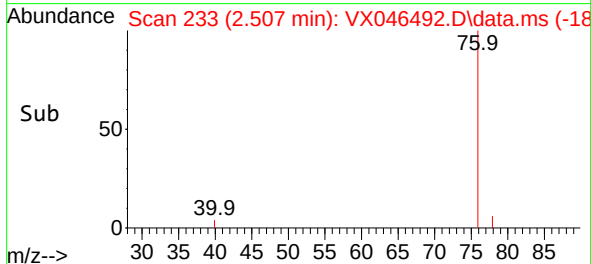
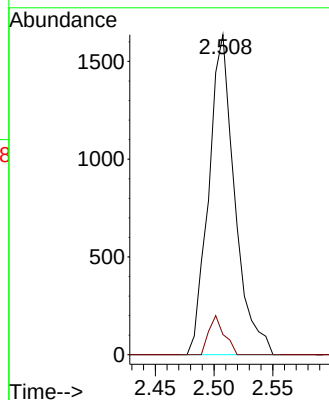
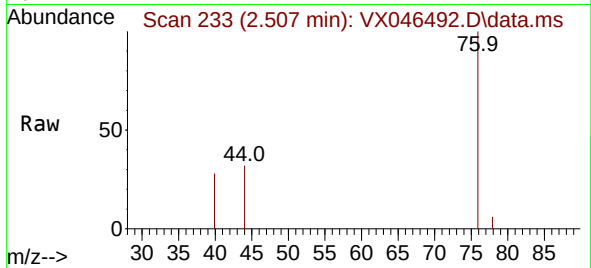
303-PPR-2DL

Tgt Ion: 76 Resp: 2524

Ion Ratio Lower Upper

76 100

78 6.3 7.0 10.4#



#31

Cyclohexane

Concen: 0.548 ug/l

RT: 5.458 min Scan# 717

Delta R.T. -0.006 min

Lab File: VX046492.D

Acq: 04 Jun 2025 11:55

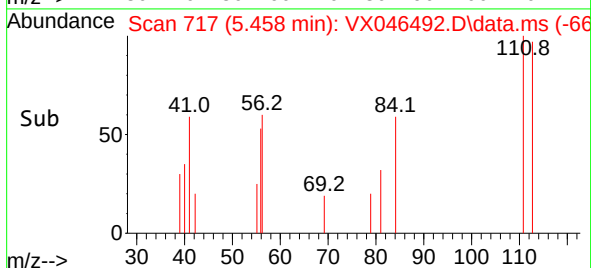
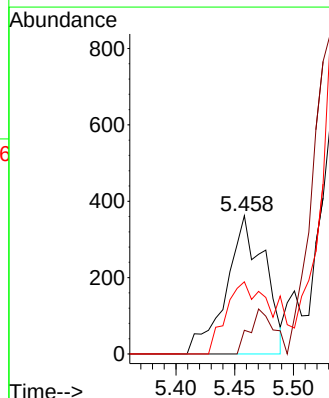
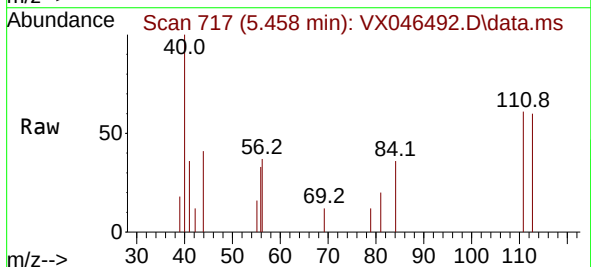
Tgt Ion: 56 Resp: 818

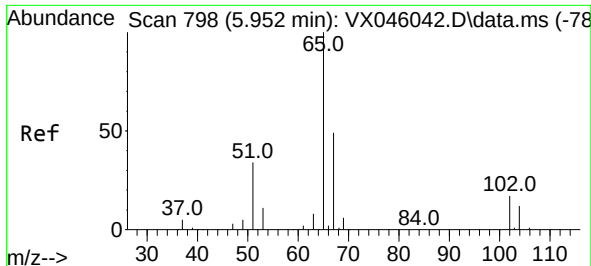
Ion Ratio Lower Upper

56 100

69 17.1 24.4 36.6#

84 52.2 66.9 100.3#

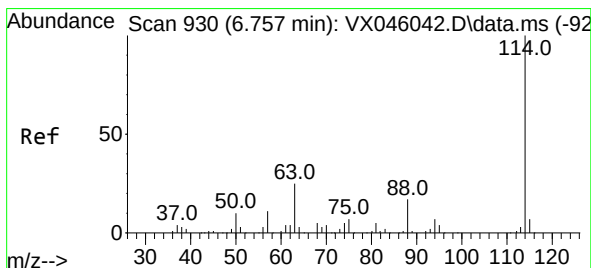
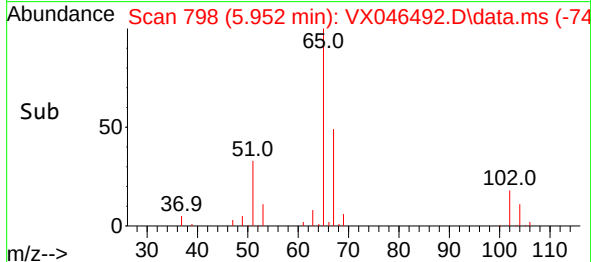
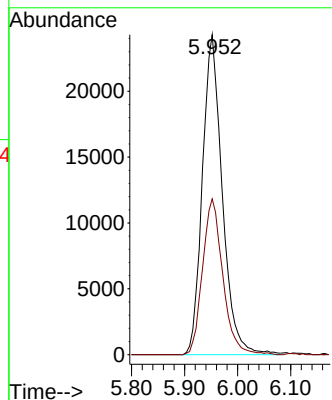
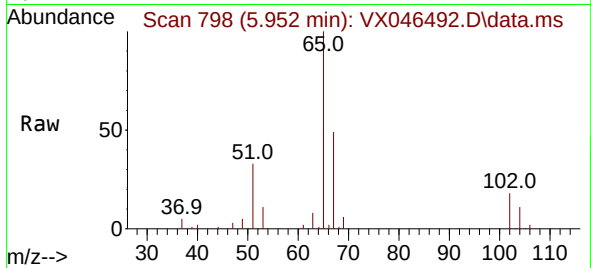




#33
 1,2-Dichloroethane-d4
 Concen: 50.533 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. -0.000 min
 Lab File: VX046492.D
 Acq: 04 Jun 2025 11:55

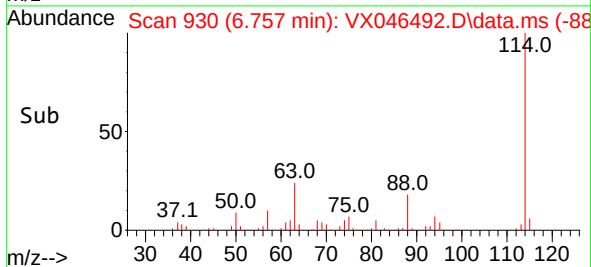
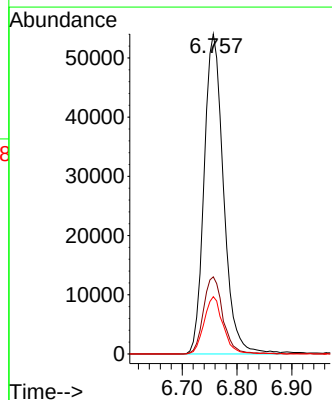
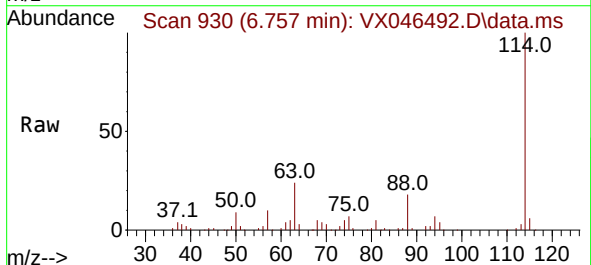
Instrument :
 MSVOA_X
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 303-PPR-2DL

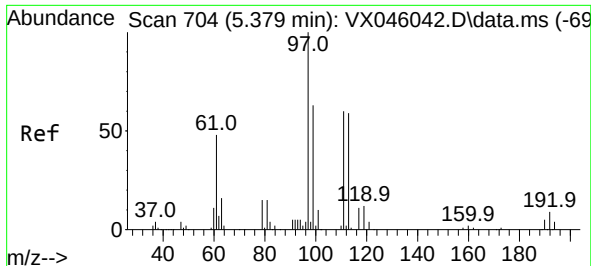
Tgt Ion: 65 Resp: 63301
 Ion Ratio Lower Upper
 65 100
 67 49.6 0.0 99.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. -0.000 min
 Lab File: VX046492.D
 Acq: 04 Jun 2025 11:55

Tgt Ion: 114 Resp: 132686
 Ion Ratio Lower Upper
 114 100
 63 24.1 0.0 49.2
 88 17.9 0.0 33.6

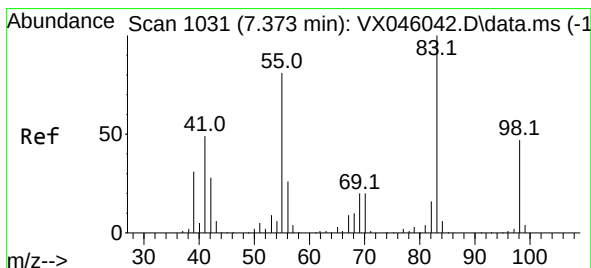
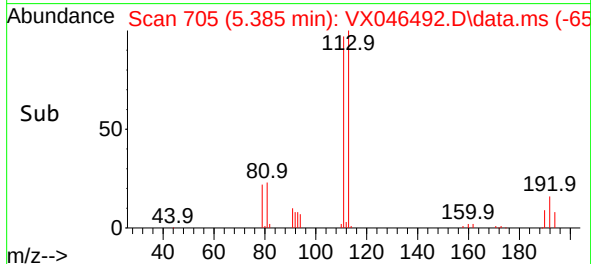
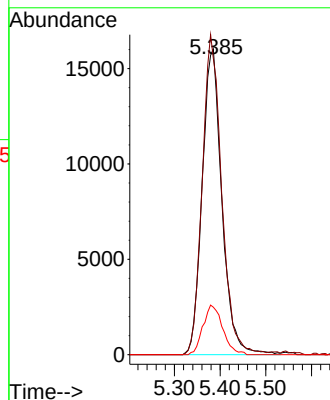
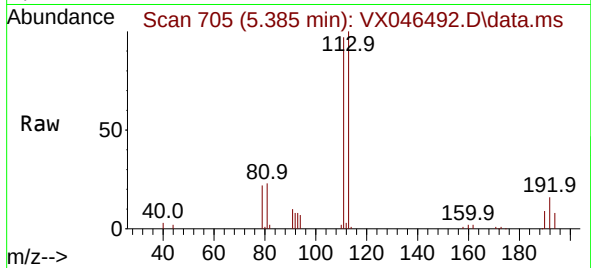




#35
Dibromofluoromethane
Concen: 50.249 ug/l
RT: 5.385 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX046492.D
Acq: 04 Jun 2025 11:55

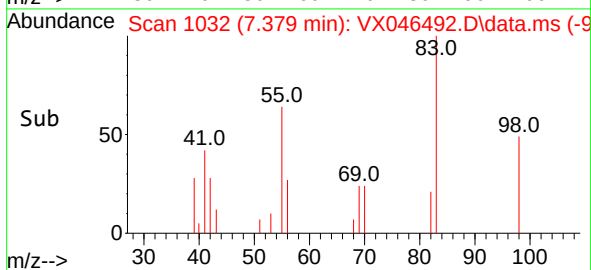
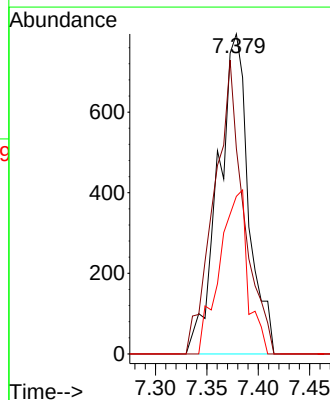
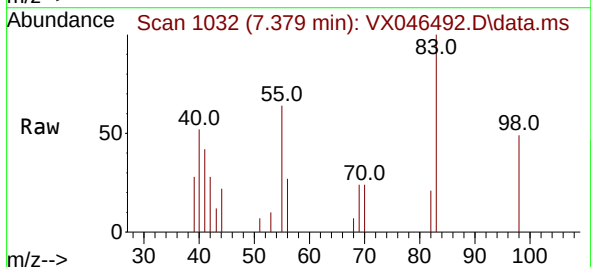
Instrument :
MSVOA_X
ClientSampleId :
303-PPR-2DL

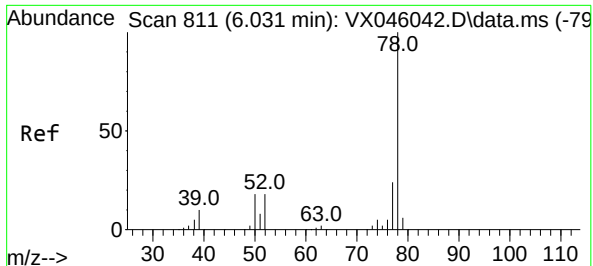
Tgt Ion:113 Resp: 48012
Ion Ratio Lower Upper
113 100
111 102.8 83.1 124.7
192 16.2 13.3 19.9



#39
Methylcyclohexane
Concen: 0.989 ug/l
RT: 7.379 min Scan# 1032
Delta R.T. 0.006 min
Lab File: VX046492.D
Acq: 04 Jun 2025 11:55

Tgt Ion: 83 Resp: 1634
Ion Ratio Lower Upper
83 100
55 64.2 64.7 97.1#
98 49.2 37.4 56.2

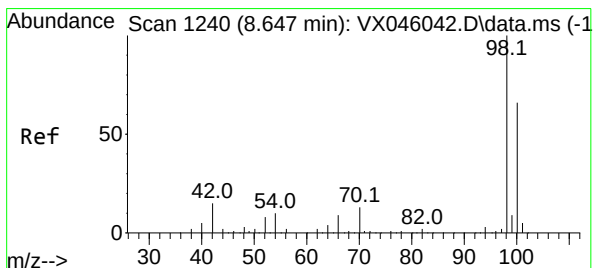
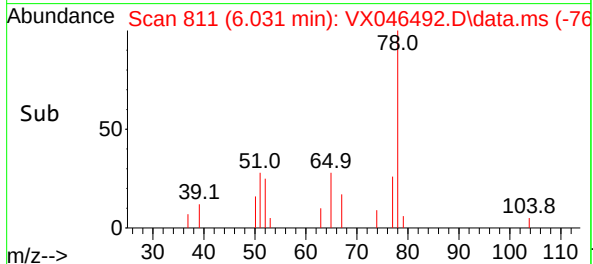
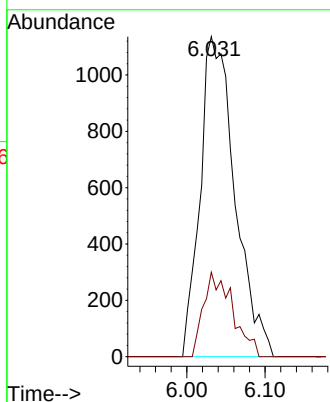
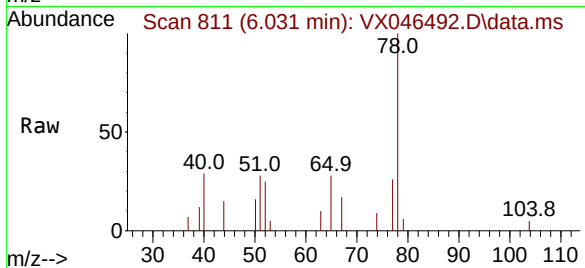




#40
Benzene
Concen: 0.934 ug/l
RT: 6.031 min Scan# 811
Delta R.T. -0.000 min
Lab File: VX046492.D
Acq: 04 Jun 2025 11:55

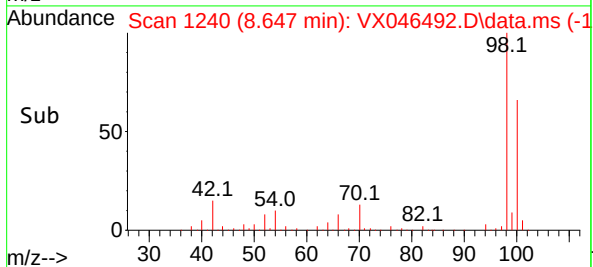
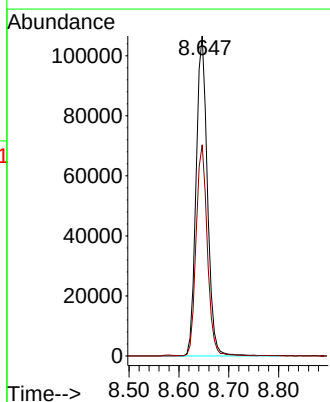
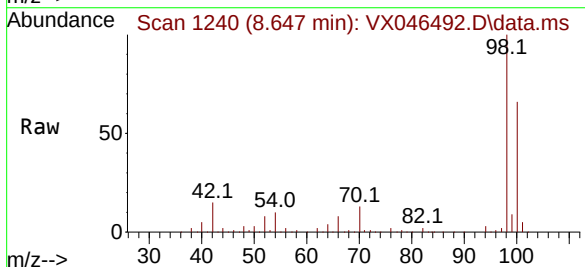
Instrument :
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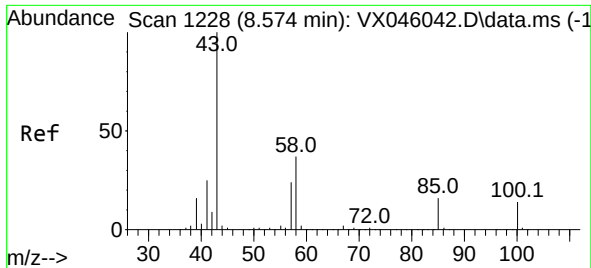
Tgt Ion: 78 Resp: 3512
Ion Ratio Lower Upper
78 100
77 26.4 19.0 28.4



#50
Toluene-d8
Concen: 50.797 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046492.D
Acq: 04 Jun 2025 11:55

Tgt Ion: 98 Resp: 167989
Ion Ratio Lower Upper
98 100
100 64.9 53.5 80.3

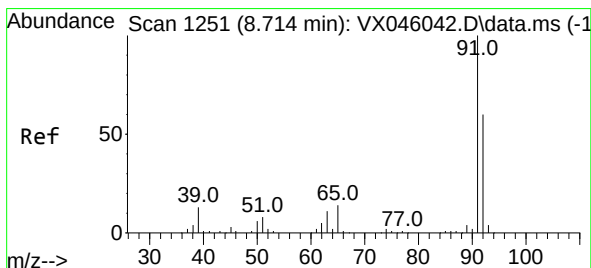
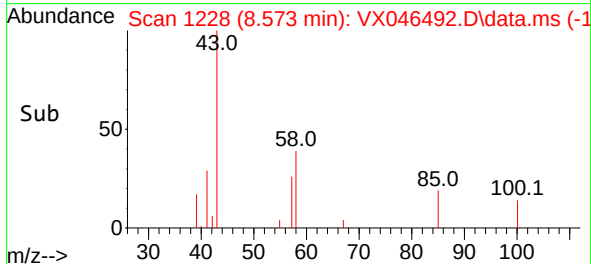
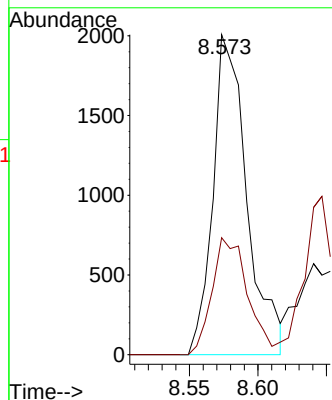
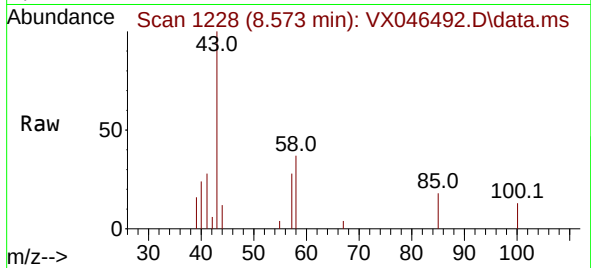




#51
4-Methyl-2-Pentanone
Concen: 2.150 ug/l
RT: 8.573 min Scan# 1228
Delta R.T. -0.000 min
Lab File: VX046492.D
Acq: 04 Jun 2025 11:55

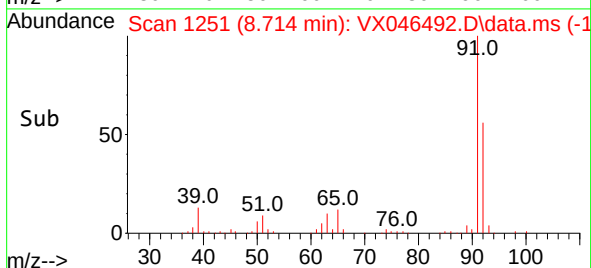
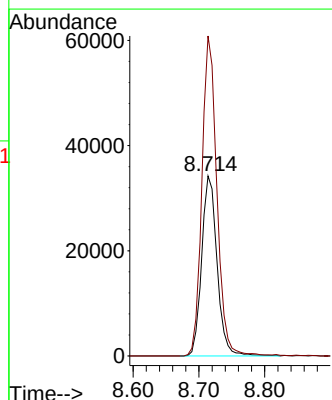
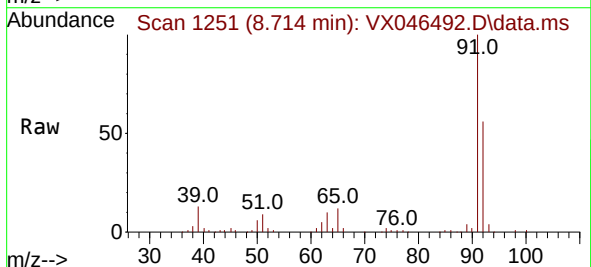
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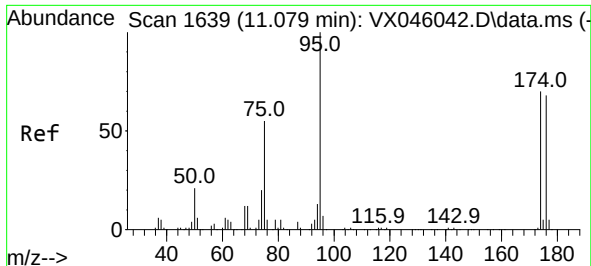
Tgt Ion: 43 Resp: 3453
Ion Ratio Lower Upper
43 100
58 38.2 28.9 43.3



#52
Toluene
Concen: 24.140 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX046492.D
Acq: 04 Jun 2025 11:55

Tgt Ion: 92 Resp: 55662
Ion Ratio Lower Upper
92 100
91 172.7 136.6 205.0

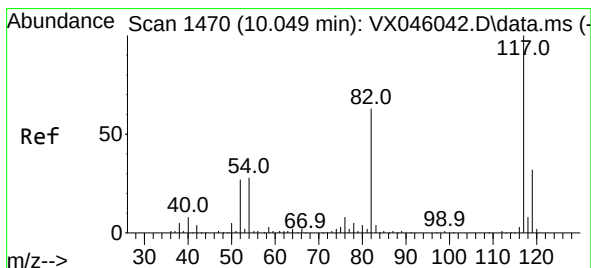
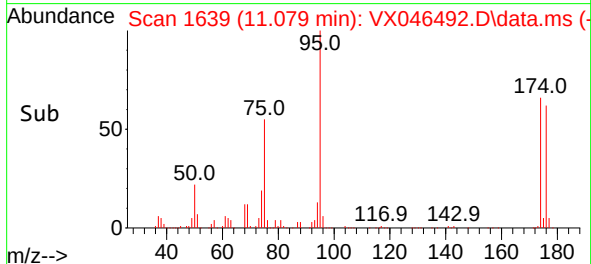
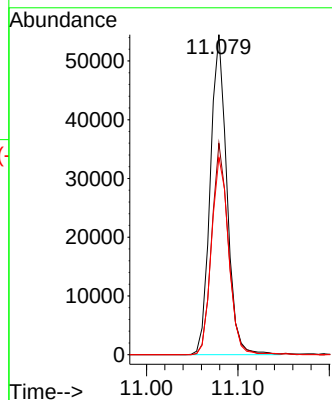
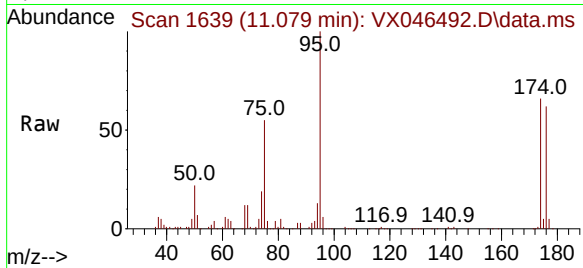




#62
4-Bromofluorobenzene
Concen: 53.847 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046492.D
Acq: 04 Jun 2025 11:55

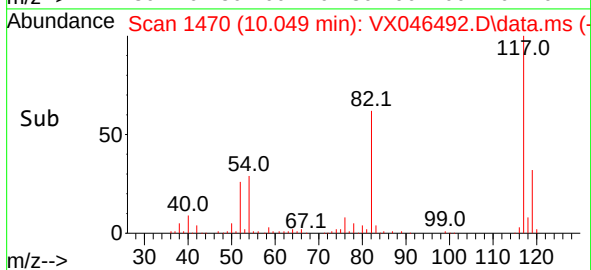
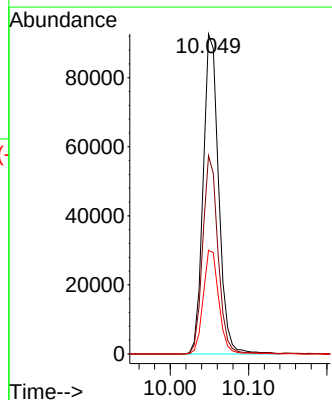
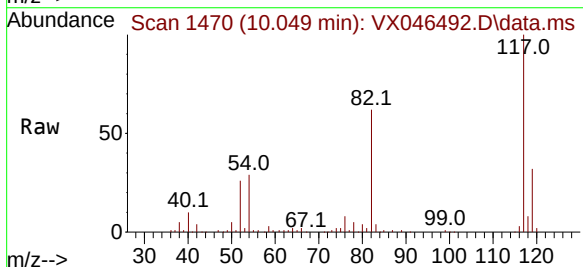
Instrument :
MSVOA_X
ClientSampleId :
303-PPR-2DL

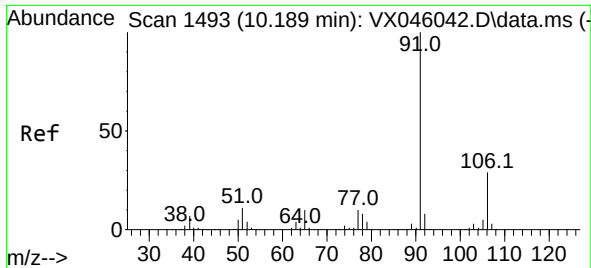
Tgt Ion: 95 Resp: 68307
Ion Ratio Lower Upper
95 100
174 66.4 0.0 135.8
176 64.4 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX046492.D
Acq: 04 Jun 2025 11:55

Tgt Ion: 117 Resp: 127132
Ion Ratio Lower Upper
117 100
82 62.0 50.6 76.0
119 32.4 25.8 38.6

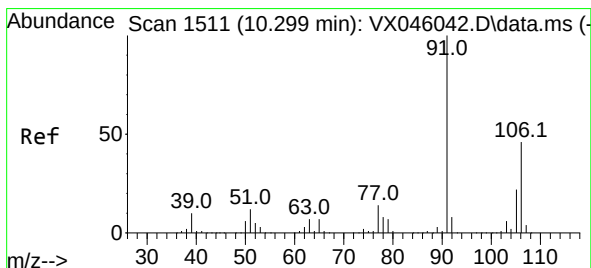
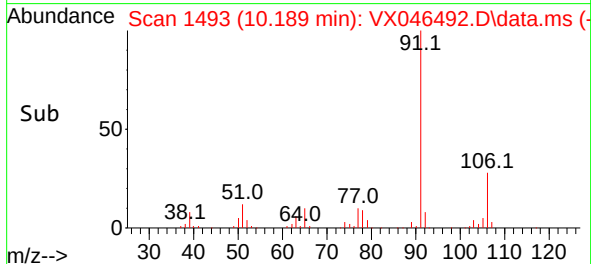
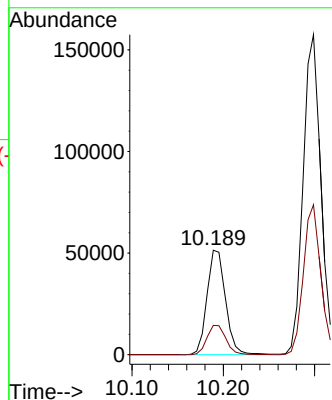
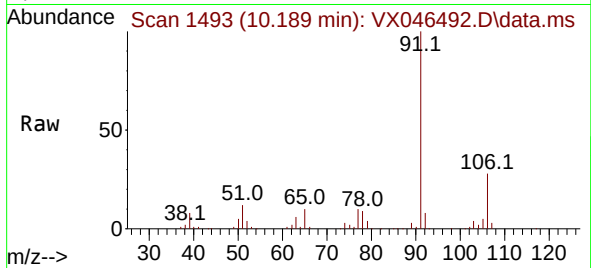




#67
Ethyl Benzene
Concen: 14.768 ug/l
RT: 10.189 min Scan# 1493
Delta R.T. -0.000 min
Lab File: VX046492.D
Acq: 04 Jun 2025 11:55

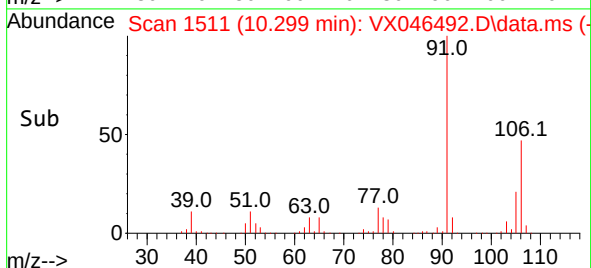
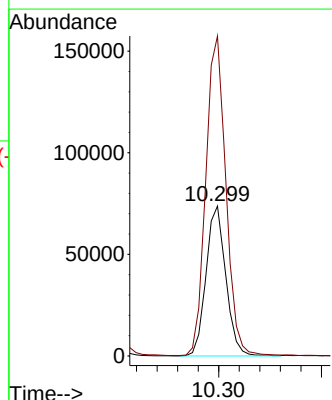
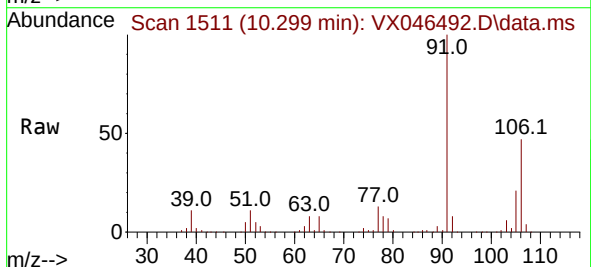
Instrument :
MSVOA_X
ClientSampleId :
303-PPR-2DL

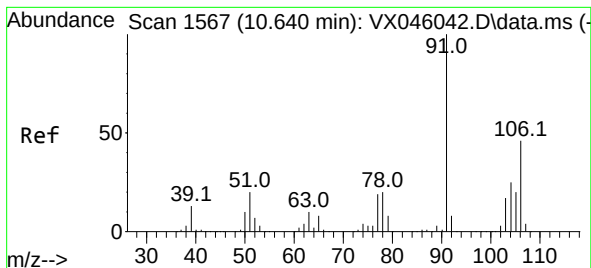
Tgt Ion: 91 Resp: 72438
Ion Ratio Lower Upper
91 100
106 28.0 23.4 35.2



#68
m/p-Xylenes
Concen: 55.003 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX046492.D
Acq: 04 Jun 2025 11:55

Tgt Ion:106 Resp: 98673
Ion Ratio Lower Upper
106 100
91 217.1 171.2 256.8





#69

o-Xylene

Concen: 31.033 ug/l

RT: 10.640 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX046492.D

Acq: 04 Jun 2025 11:55

Instrument :

MSVOA_X

ClientSampleId :

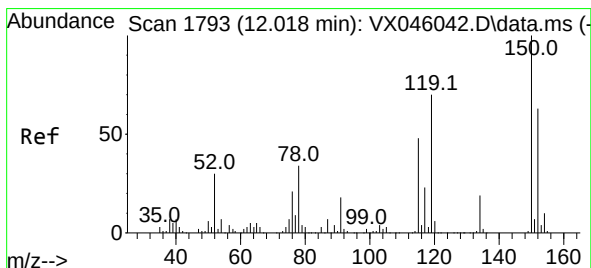
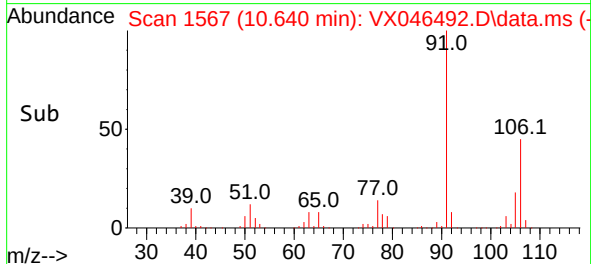
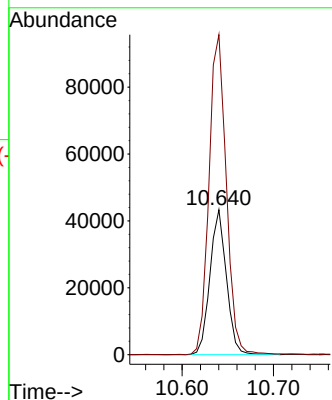
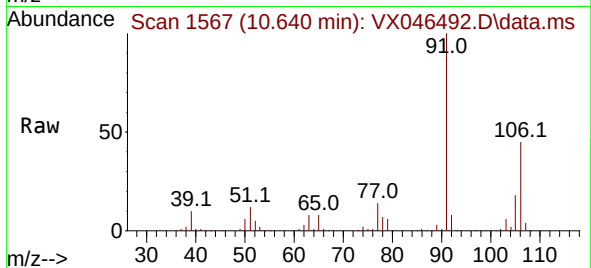
303-PPR-2DL

Tgt Ion:106 Resp: 54274

Ion Ratio Lower Upper

106 100

91 231.6 112.7 338.1



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. -0.000 min

Lab File: VX046492.D

Acq: 04 Jun 2025 11:55

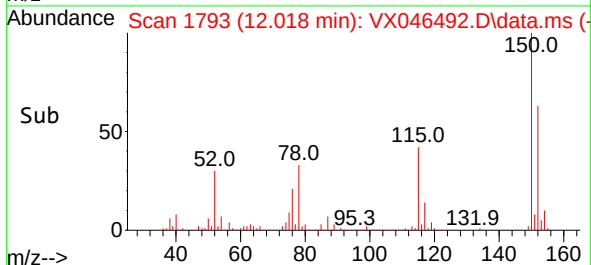
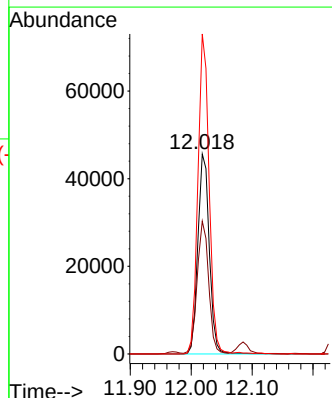
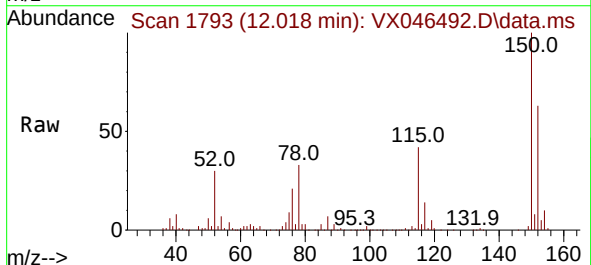
Tgt Ion:152 Resp: 59514

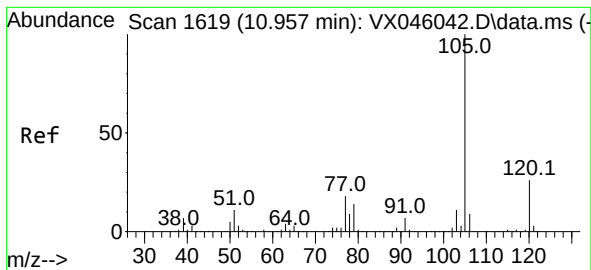
Ion Ratio Lower Upper

152 100

115 65.8 46.9 140.7

150 155.4 0.0 351.0





#73

Isopropylbenzene

Concen: 1.937 ug/l

RT: 10.957 min Scan# 1619

Delta R.T. -0.000 min

Lab File: VX046492.D

Acq: 04 Jun 2025 11:55

Instrument :

MSVOA_X

ClientSampleId :

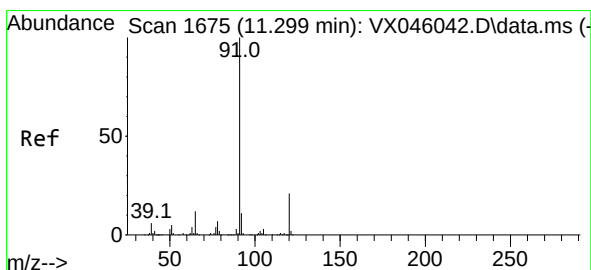
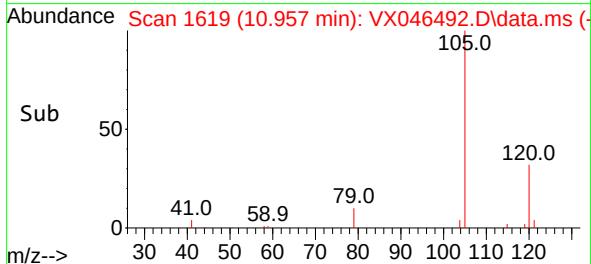
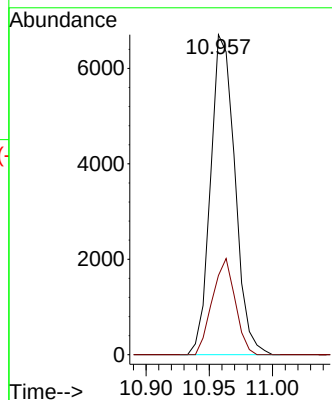
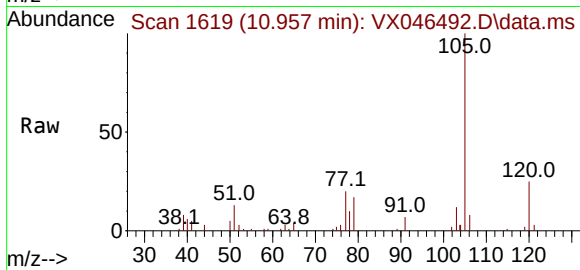
303-PPR-2DL

Tgt Ion:105 Resp: 8977

Ion Ratio Lower Upper

105 100

120 28.1 12.8 38.4



#78

n-propylbenzene

Concen: 4.595 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. 0.006 min

Lab File: VX046492.D

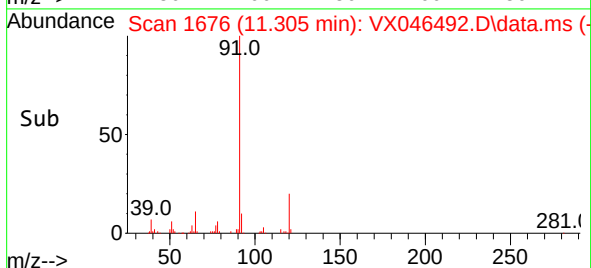
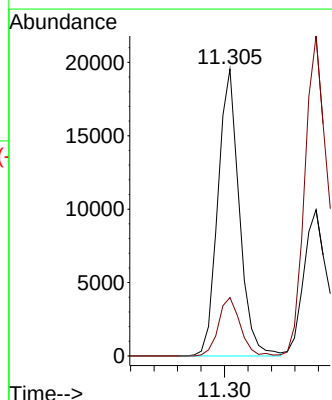
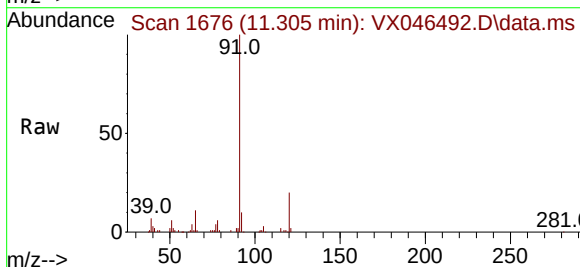
Acq: 04 Jun 2025 11:55

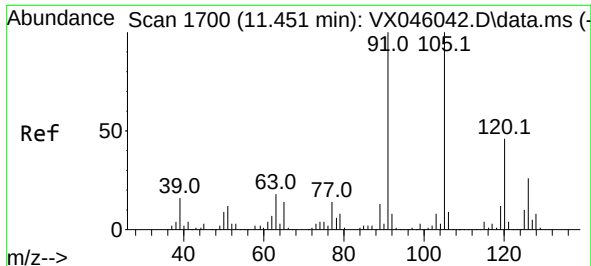
Tgt Ion: 91 Resp: 24754

Ion Ratio Lower Upper

91 100

120 20.8 10.8 32.4

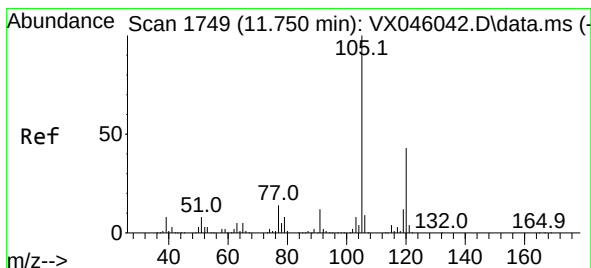
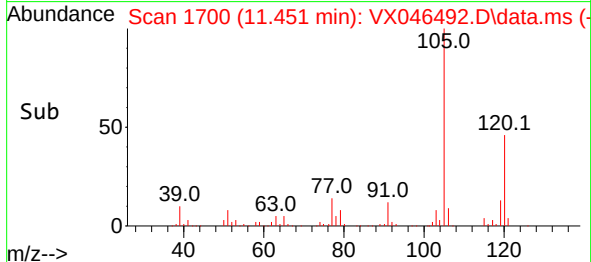
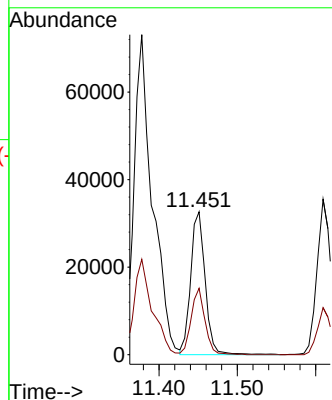
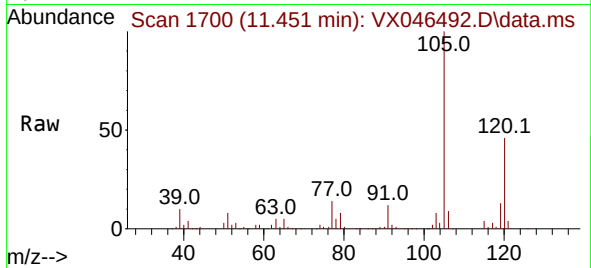




#80
1,3,5-Trimethylbenzene
Concen: 10.883 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046492.D
Acq: 04 Jun 2025 11:55

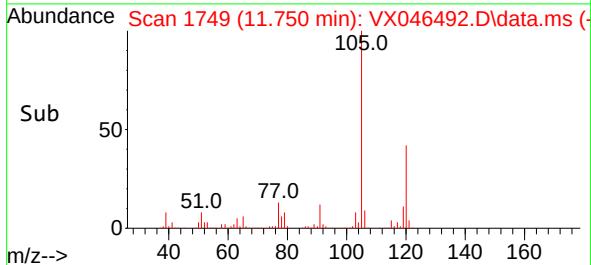
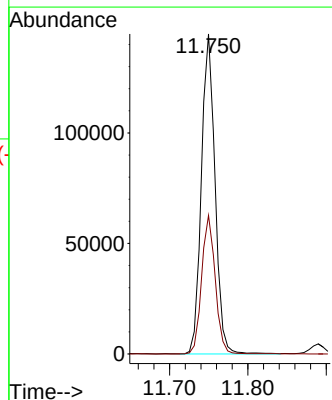
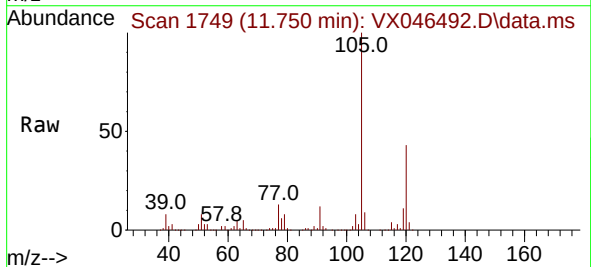
Instrument :
MSVOA_X
ClientSampleId :
303-PPR-2DL

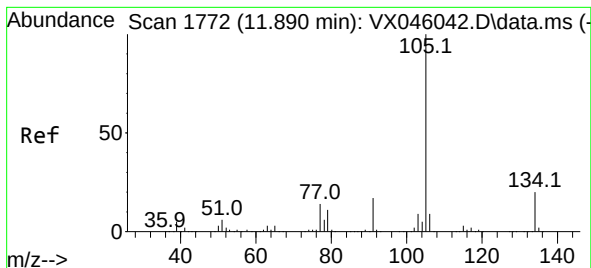
Tgt Ion:105 Resp: 42125
Ion Ratio Lower Upper
105 100
120 44.2 23.1 69.2



#84
1,2,4-Trimethylbenzene
Concen: 44.703 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX046492.D
Acq: 04 Jun 2025 11:55

Tgt Ion:105 Resp: 175234
Ion Ratio Lower Upper
105 100
120 43.0 21.2 63.6





#85

sec-Butylbenzene

Concen: 1.180 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. -0.000 min

Lab File: VX046492.D

Acq: 04 Jun 2025 11:55

Instrument :

MSVOA_X

ClientSampleId :

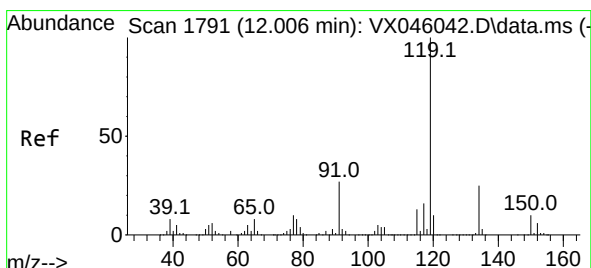
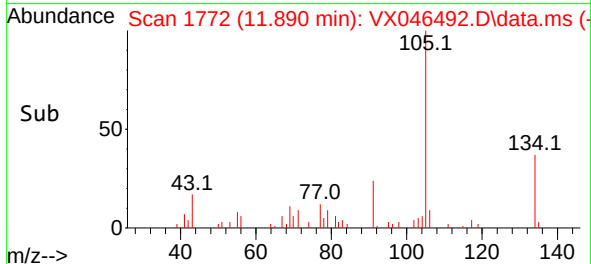
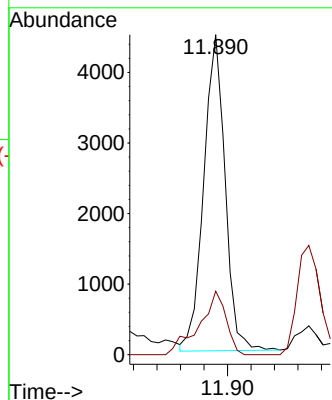
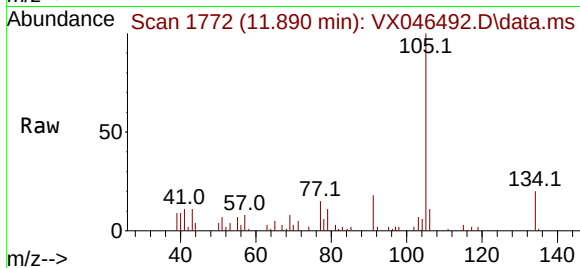
303-PPR-2DL

Tgt Ion:105 Resp: 5649

Ion Ratio Lower Upper

105 100

134 25.1 9.7 29.1



#86

p-Isopropyltoluene

Concen: 2.670 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VX046492.D

Acq: 04 Jun 2025 11:55

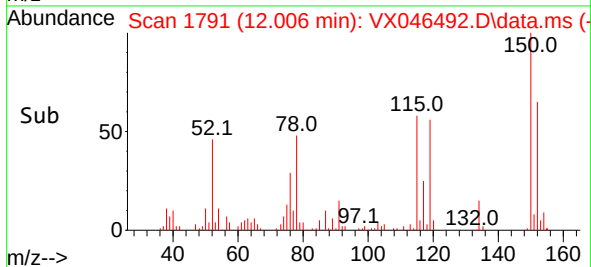
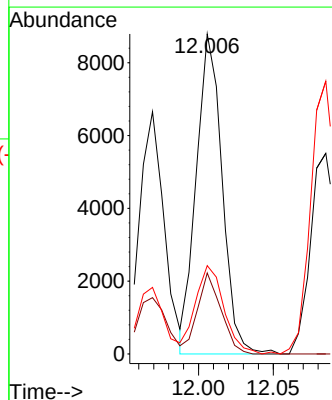
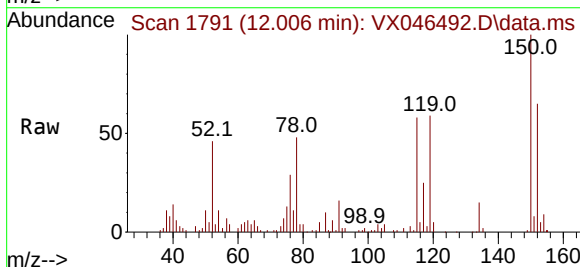
Tgt Ion:119 Resp: 10550

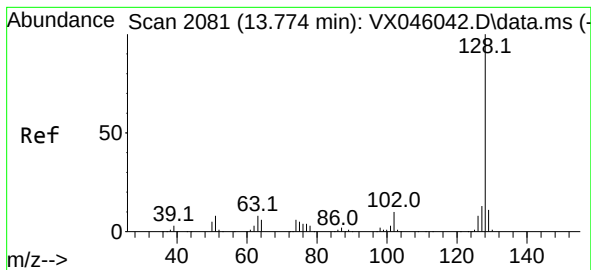
Ion Ratio Lower Upper

119 100

134 23.2 12.5 37.5

91 30.4 13.8 41.4





#95
Naphthalene
Concen: 23.796 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX046492.D
Acq: 04 Jun 2025 11:55

Instrument :
MSVOA_X
ClientSampleId :
303-PPR-2DL

Tgt Ion:128 Resp: 98751
Ion Ratio Lower Upper
128 100
127 12.7 10.4 15.6
129 11.3 8.6 13.0

