

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060425\
 Data File : VX046513.D
 Acq On : 04 Jun 2025 20:11
 Operator : JC/MD
 Sample : Q2168-11ME
 Misc : 4.41g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 C2ME

Quant Time: Jun 05 02:12:37 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)

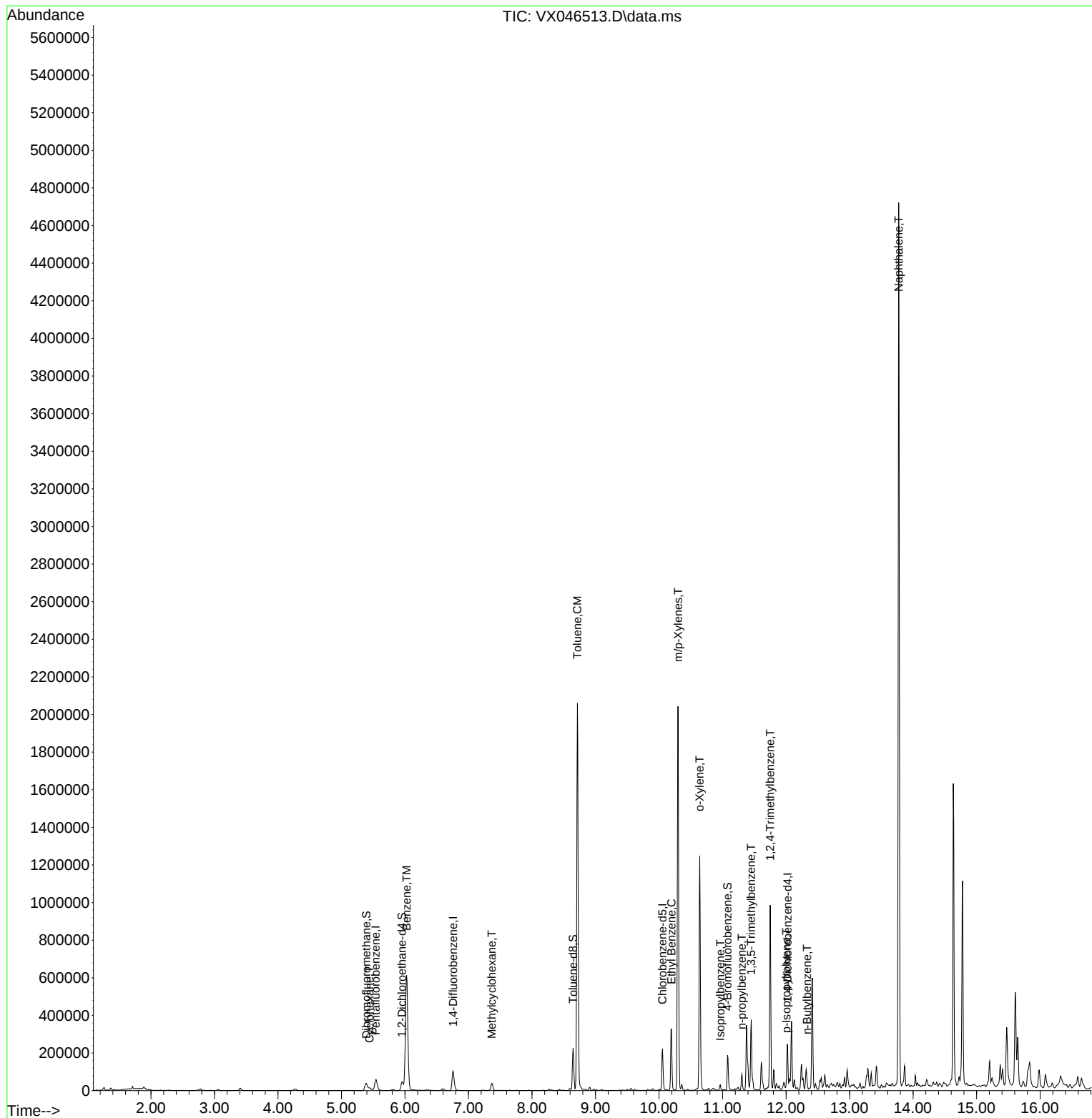
Internal Standards						
1) Pentafluorobenzene	5.538	168	51409	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	100477	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	93314	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	44223	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	48387	50.486	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 100.980%	
35) Dibromofluoromethane	5.391	113	34390	47.530	ug/l	0.01
Spiked Amount	50.000	Range	75 - 124	Recovery	= 95.060%	
50) Toluene-d8	8.647	98	123967	49.502	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 99.000%	
62) 4-Bromofluorobenzene	11.079	95	50539	52.612	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 105.220%	
Target Compounds						
					Qvalue	
31) Cyclohexane	5.440	56	8978	7.860	ug/l	87
39) Methylcyclohexane	7.367	83	15844	12.659	ug/l	91
40) Benzene	6.025	78	714081	250.773	ug/l	100
52) Toluene	8.714	92	741842	424.869	ug/l	99
67) Ethyl Benzene	10.195	91	192551	53.483	ug/l	97
68) m/p-Xylenes	10.299	106	425635	323.245	ug/l	98
69) o-Xylene	10.640	106	239518	186.583	ug/l	98
73) Isopropylbenzene	10.963	105	14021	4.072	ug/l	98
78) n-propylbenzene	11.305	91	50523	12.621	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	153615	53.407	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	400168	137.384	ug/l	100
86) p-Isopropyltoluene	12.006	119	6961	2.371	ug/l	87
89) n-Butylbenzene	12.329	91	10615m	4.121	ug/l	
95) Naphthalene	13.774	128	2660302	862.695	ug/l	100

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

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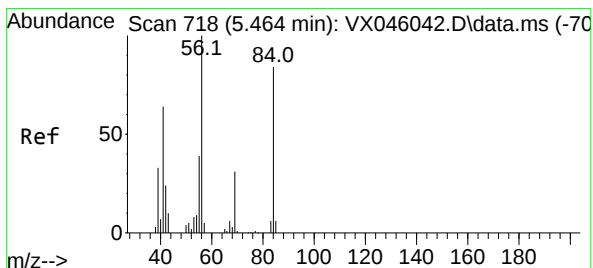
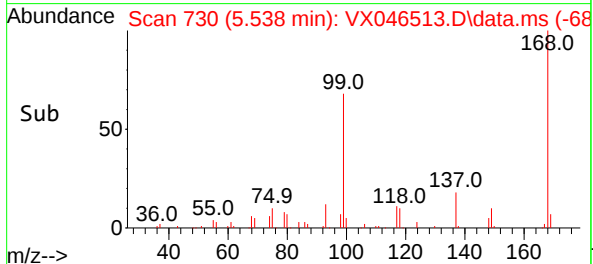
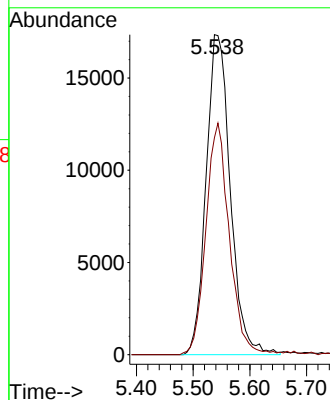
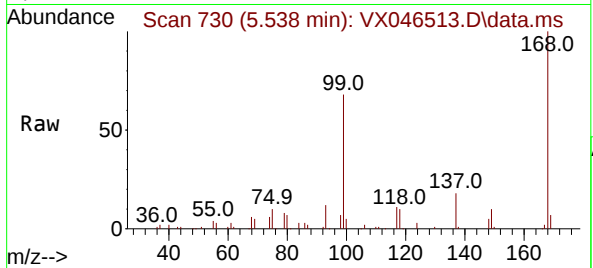




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 714
Delta R.T. -0.006 min
Lab File: VX046513.D
Acq: 04 Jun 2025 20:11

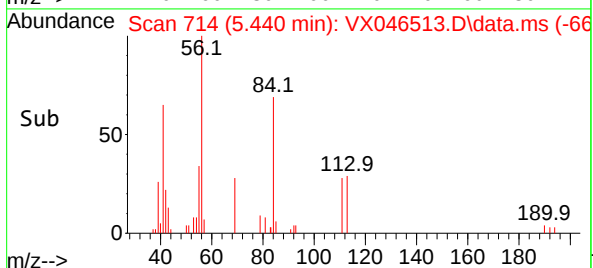
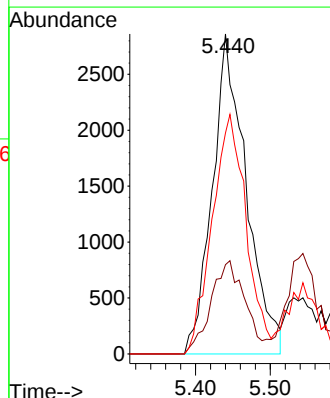
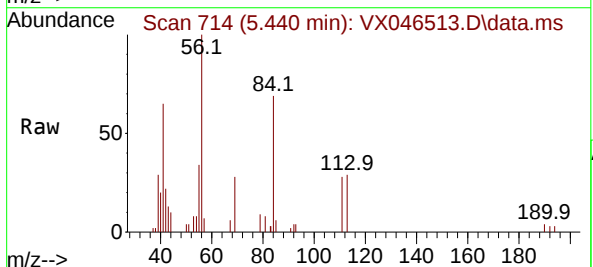
Instrument :
MSVOA_X
ClientSampleId :
C2ME

Tgt Ion:168 Resp: 51409
Ion Ratio Lower Upper
168 100
99 67.8 54.9 82.3



#31
Cyclohexane
Concen: 7.860 ug/l
RT: 5.440 min Scan# 714
Delta R.T. -0.024 min
Lab File: VX046513.D
Acq: 04 Jun 2025 20:11

Tgt Ion: 56 Resp: 8978
Ion Ratio Lower Upper
56 100
69 27.9 24.4 36.6
84 69.1 66.9 100.3

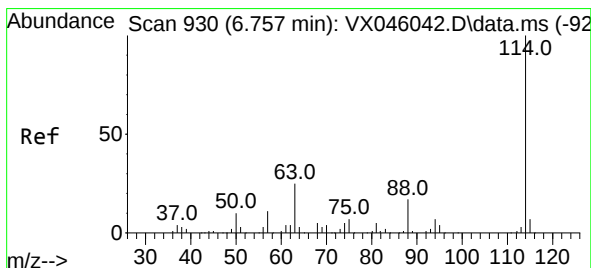
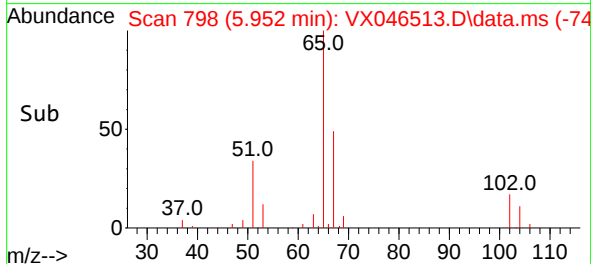
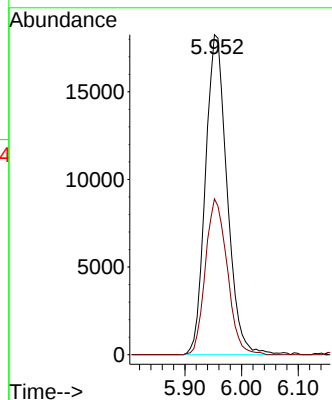
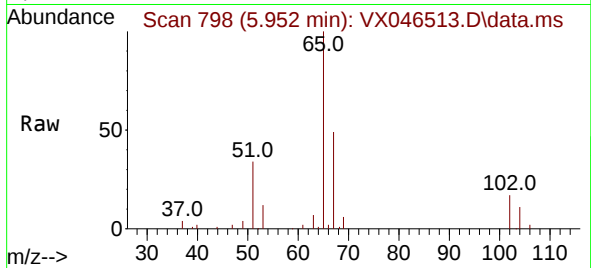




#33
 1,2-Dichloroethane-d4
 Concen: 50.486 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. -0.000 min
 Lab File: VX046513.D
 Acq: 04 Jun 2025 20:11

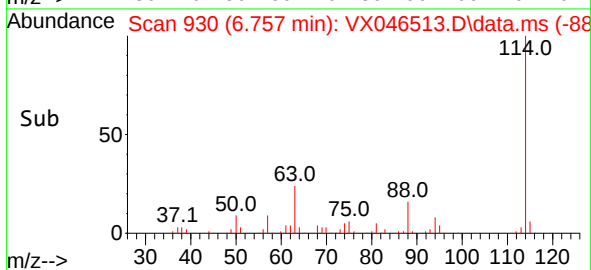
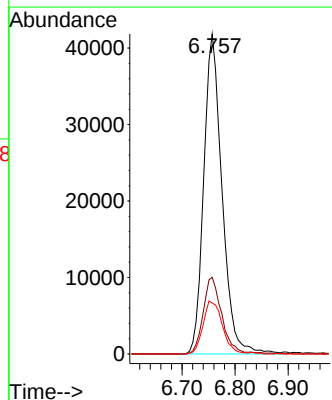
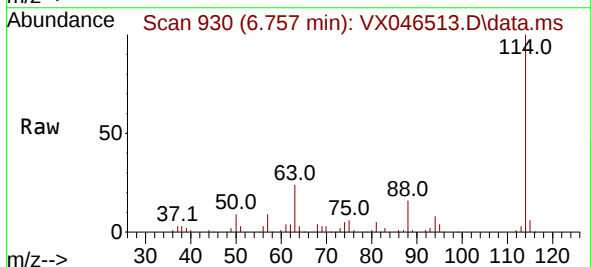
Instrument :
 MSVOA_X
 ClientSampleId :
 C2ME

Tgt Ion: 65 Resp: 48387
 Ion Ratio Lower Upper
 65 100
 67 49.1 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: VX046513.D
 Acq: 04 Jun 2025 20:11

Tgt Ion: 114 Resp: 100477
 Ion Ratio Lower Upper
 114 100
 63 23.9 0.0 49.2
 88 15.9 0.0 33.6





#35

Dibromofluoromethane

Concen: 47.530 ug/l

RT: 5.391 min Scan# 704

Delta R.T. 0.012 min

Lab File: VX046513.D

Acq: 04 Jun 2025 20:11

Instrument :

MSVOA_X

ClientSampleId :

C2ME

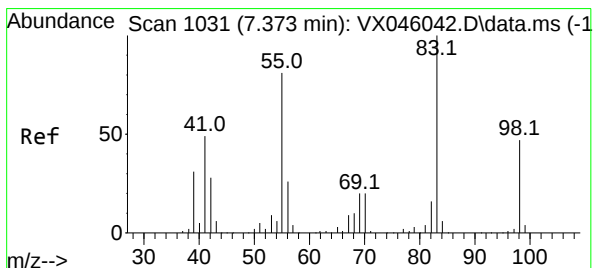
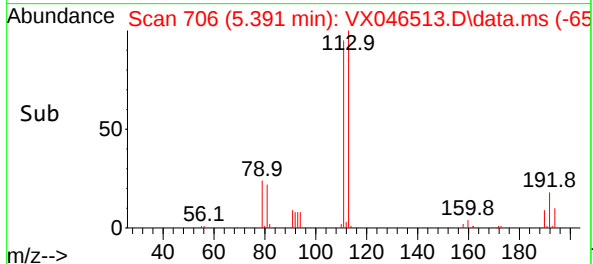
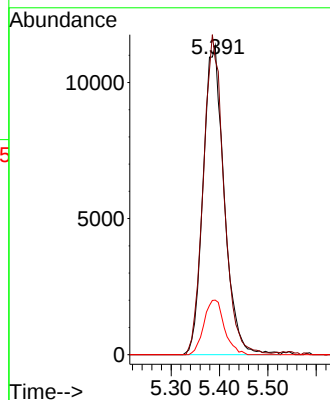
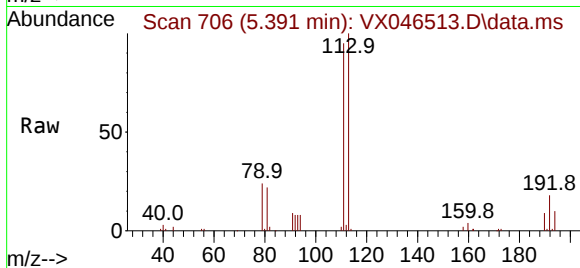
Tgt Ion:113 Resp: 34390

Ion Ratio Lower Upper

113 100

111 100.8 83.1 124.7

192 17.2 13.3 19.9



#39

Methylcyclohexane

Concen: 12.659 ug/l

RT: 7.367 min Scan# 1030

Delta R.T. -0.006 min

Lab File: VX046513.D

Acq: 04 Jun 2025 20:11

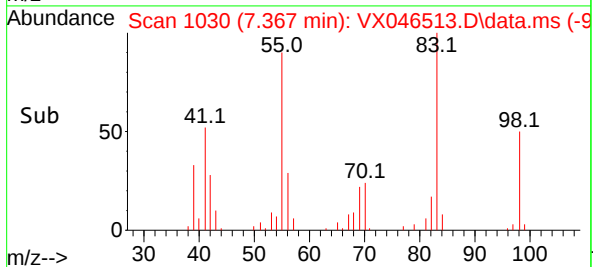
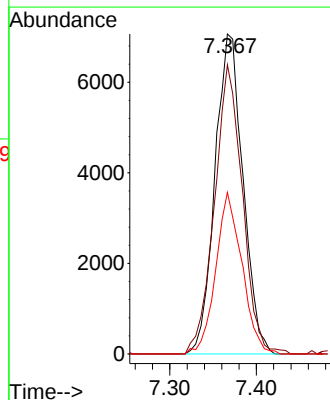
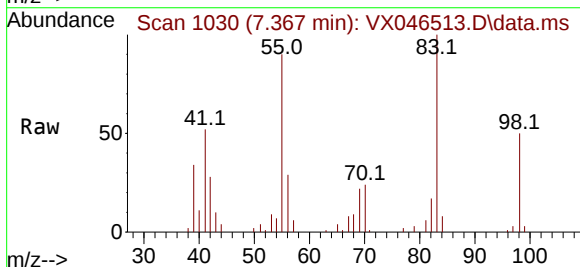
Tgt Ion: 83 Resp: 15844

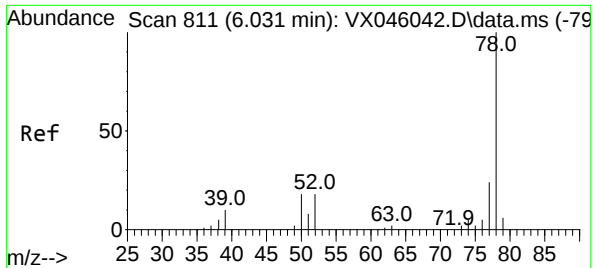
Ion Ratio Lower Upper

83 100

55 90.3 64.7 97.1

98 50.5 37.4 56.2

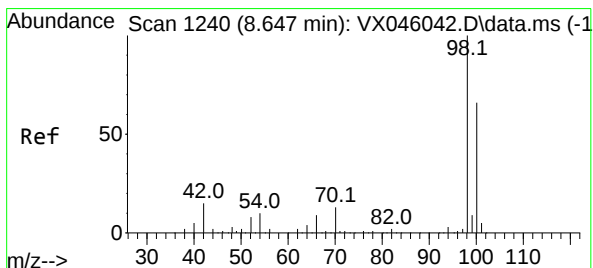
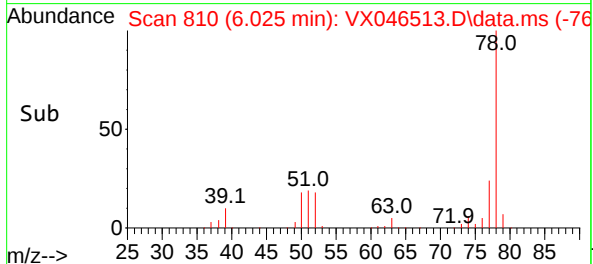
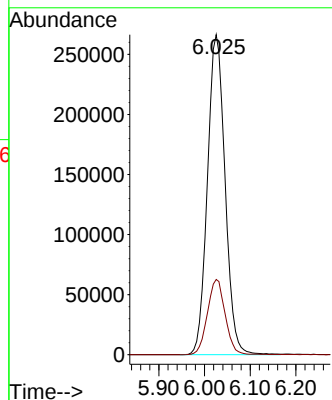
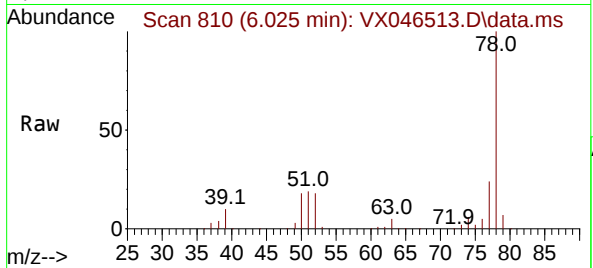




#40
Benzene
Concen: 250.773 ug/l
RT: 6.025 min Scan# 811
Delta R.T. -0.006 min
Lab File: VX046513.D
Acq: 04 Jun 2025 20:11

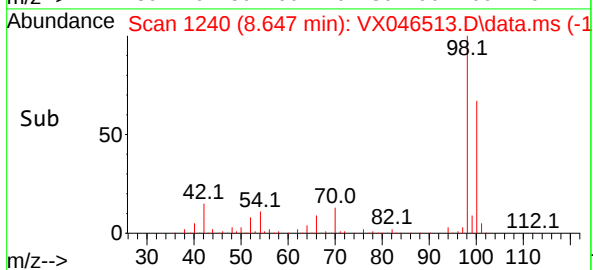
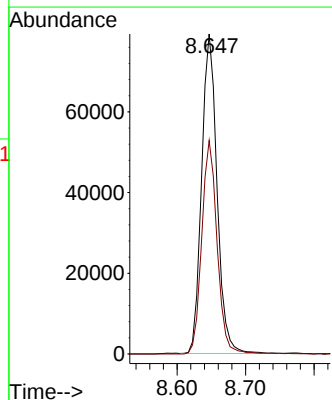
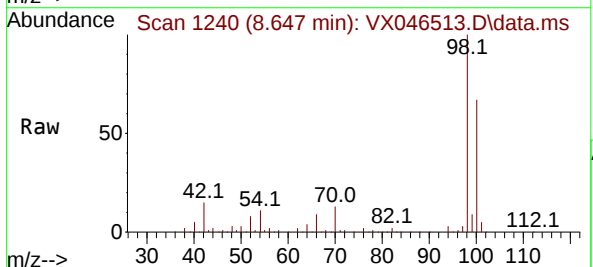
Instrument :
MSVOA_X
ClientSampleId :
C2ME

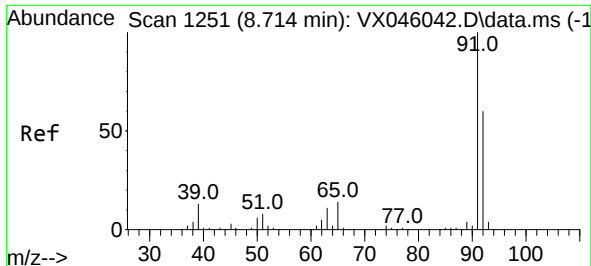
Tgt Ion: 78 Resp: 714081
Ion Ratio Lower Upper
78 100
77 23.5 19.0 28.4



#50
Toluene-d8
Concen: 49.502 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046513.D
Acq: 04 Jun 2025 20:11

Tgt Ion: 98 Resp: 123967
Ion Ratio Lower Upper
98 100
100 66.8 53.5 80.3

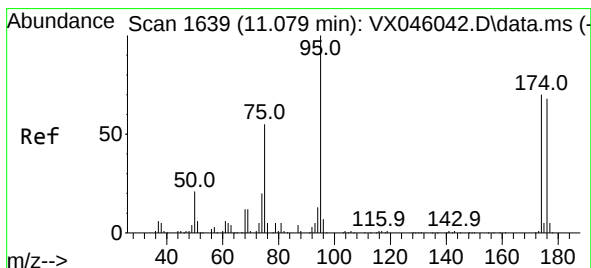
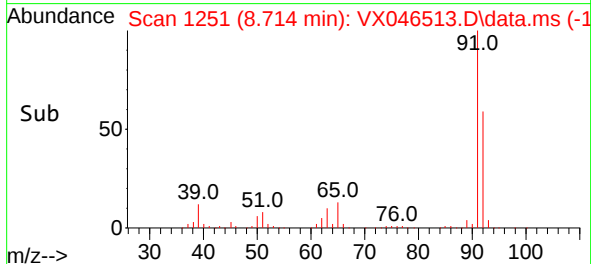
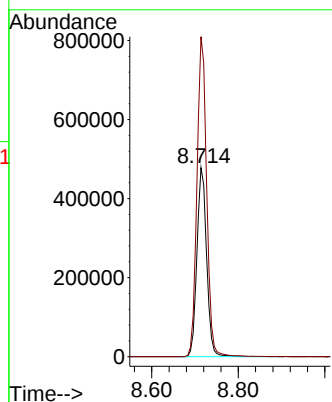
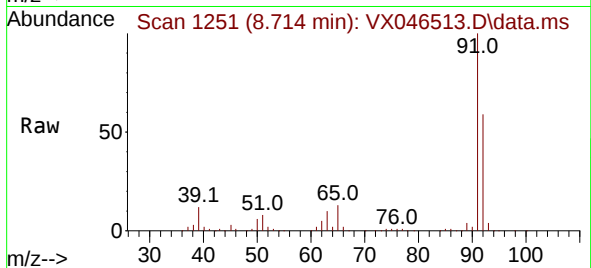




#52
Toluene
Concen: 424.869 ug/l
RT: 8.714 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046513.D
Acq: 04 Jun 2025 20:11

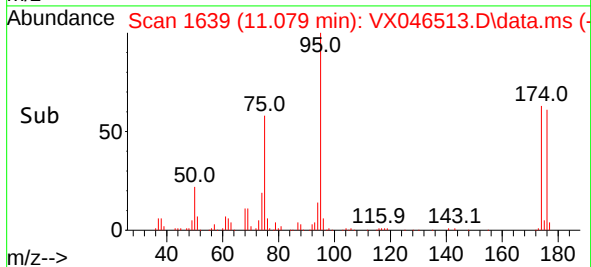
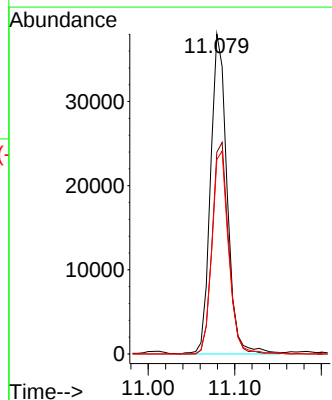
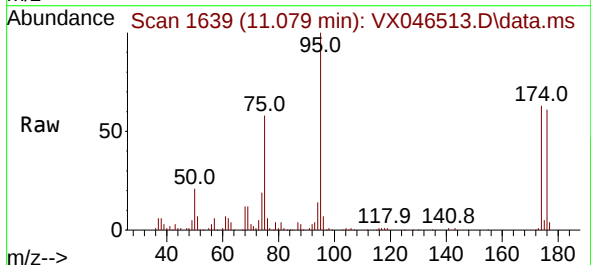
Instrument :
MSVOA_X
ClientSampleId :
C2ME

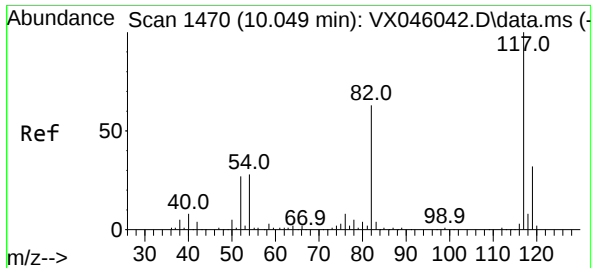
Tgt Ion: 92 Resp: 741842
Ion Ratio Lower Upper
92 100
91 170.1 136.6 205.0



#62
4-Bromofluorobenzene
Concen: 52.612 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046513.D
Acq: 04 Jun 2025 20:11

Tgt Ion: 95 Resp: 50539
Ion Ratio Lower Upper
95 100
174 65.8 0.0 135.8
176 63.7 0.0 131.4

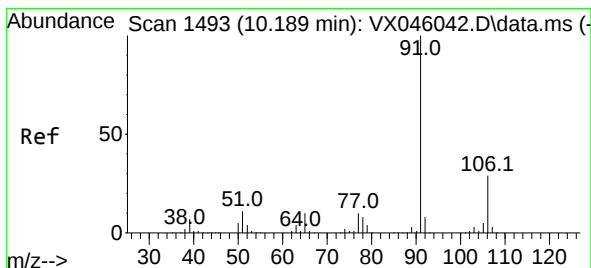
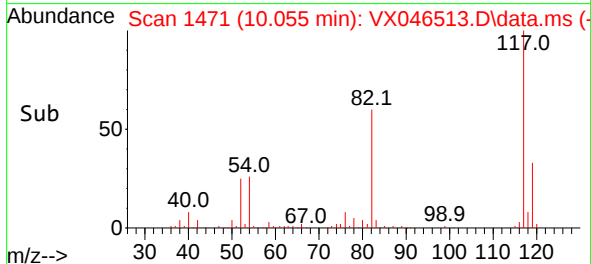
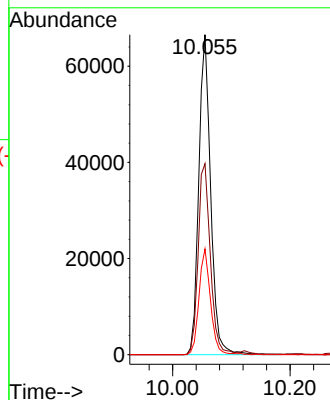
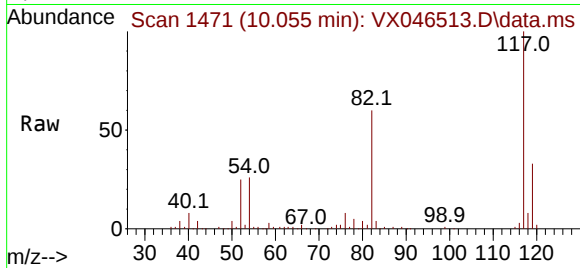




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1470
Delta R.T. 0.006 min
Lab File: VX046513.D
Acq: 04 Jun 2025 20:11

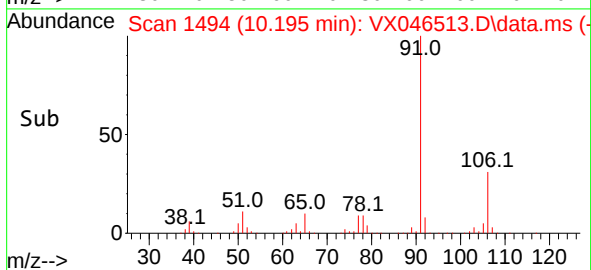
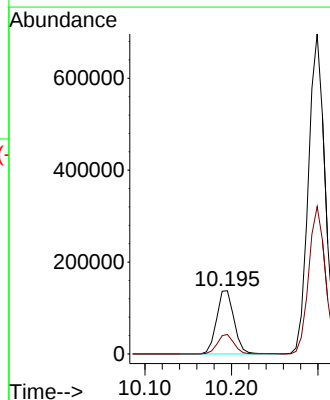
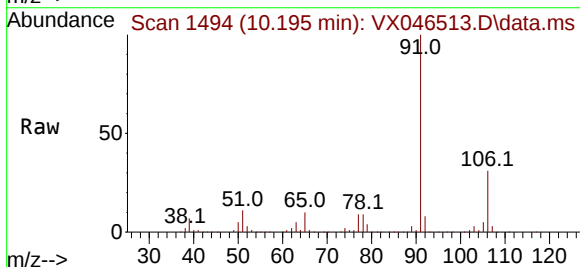
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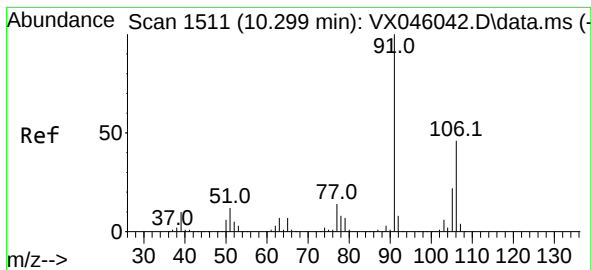
Tgt Ion:117 Resp: 93314
Ion Ratio Lower Upper
117 100
82 59.7 50.6 76.0
119 33.1 25.8 38.6



#67
Ethyl Benzene
Concen: 53.483 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.006 min
Lab File: VX046513.D
Acq: 04 Jun 2025 20:11

Tgt Ion: 91 Resp: 192551
Ion Ratio Lower Upper
91 100
106 30.9 23.4 35.2

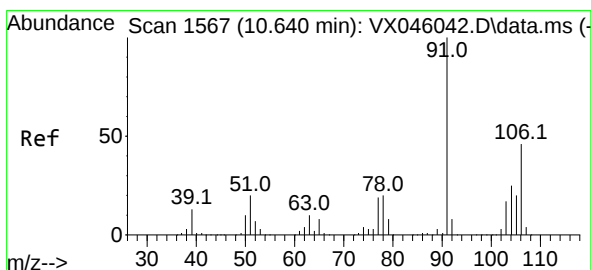
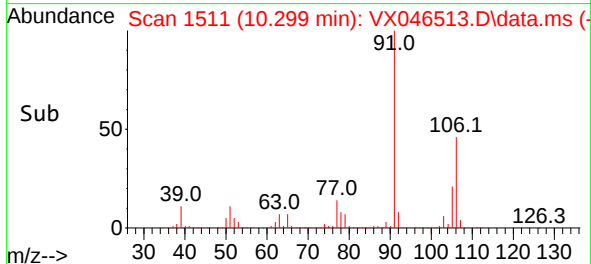
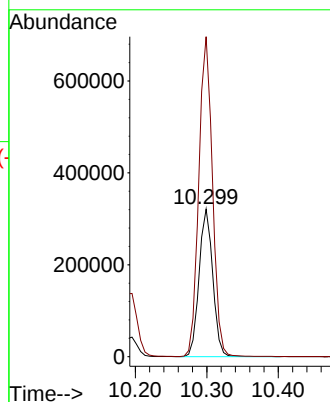
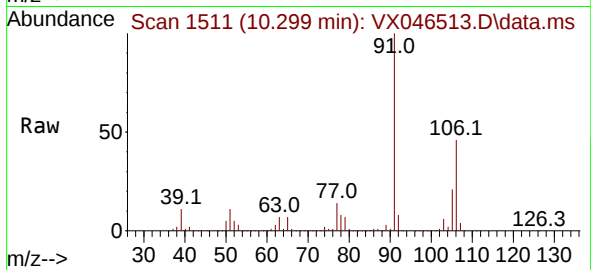




#68
m/p-Xylenes
Concen: 323.245 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX046513.D
Acq: 04 Jun 2025 20:11

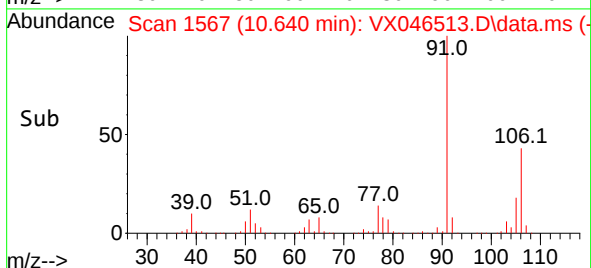
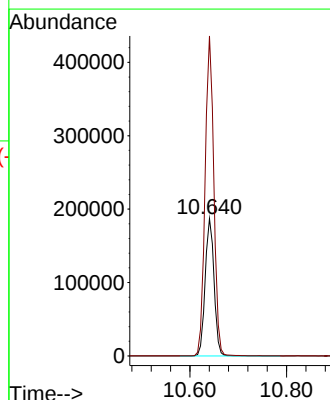
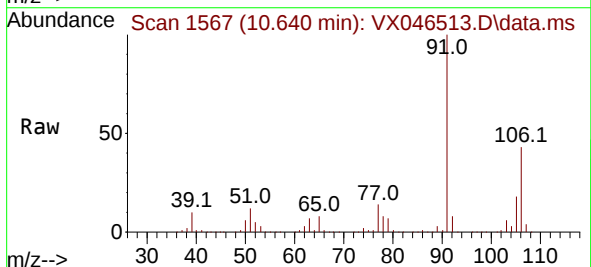
Instrument :
MSVOA_X
ClientSampleId :
C2ME

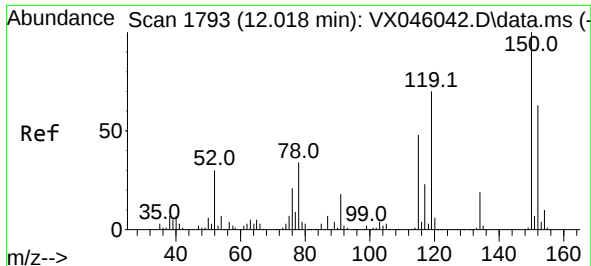
Tgt Ion:106 Resp: 425635
Ion Ratio Lower Upper
106 100
91 216.9 171.2 256.8



#69
o-Xylene
Concen: 186.583 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX046513.D
Acq: 04 Jun 2025 20:11

Tgt Ion:106 Resp: 239518
Ion Ratio Lower Upper
106 100
91 228.1 112.7 338.1

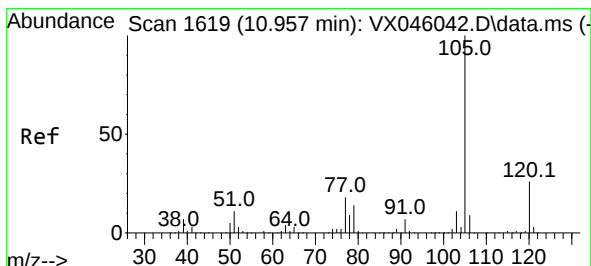
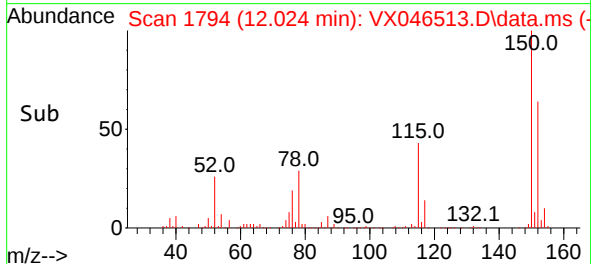
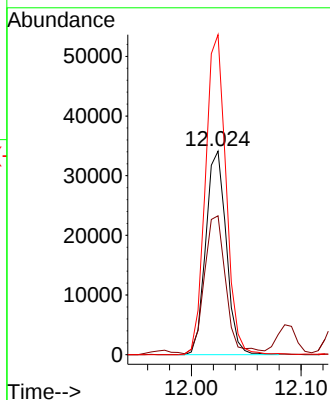
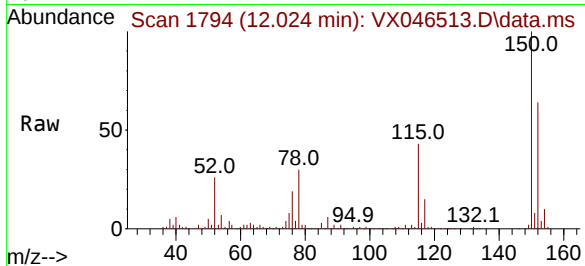




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX046513.D
Acq: 04 Jun 2025 20:11

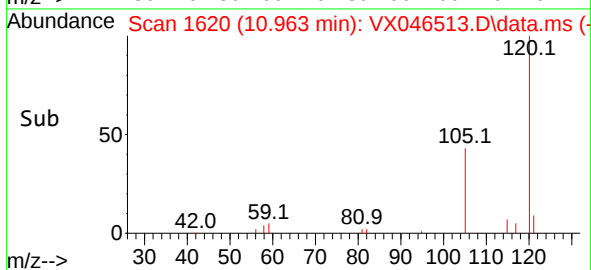
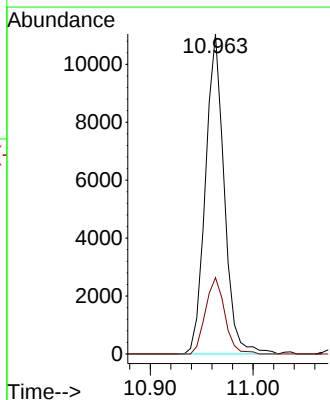
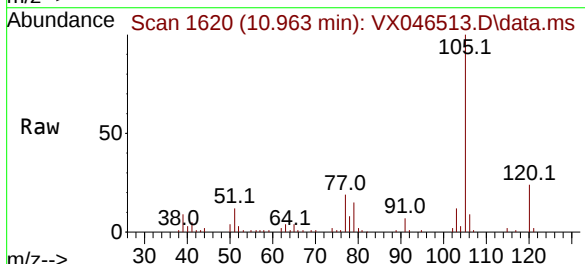
Instrument :
MSVOA_X
ClientSampleId :
C2ME

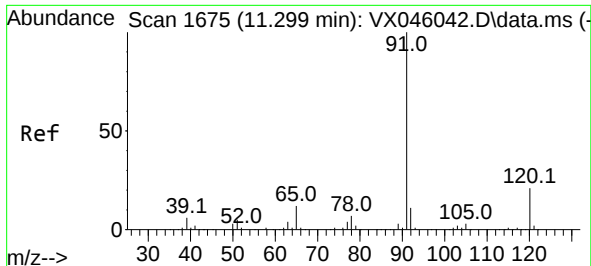
Tgt Ion:152 Resp: 44223
Ion Ratio Lower Upper
152 100
115 70.7 46.9 140.7
150 158.2 0.0 351.0



#73
Isopropylbenzene
Concen: 4.072 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.006 min
Lab File: VX046513.D
Acq: 04 Jun 2025 20:11

Tgt Ion:105 Resp: 14021
Ion Ratio Lower Upper
105 100
120 24.5 12.8 38.4

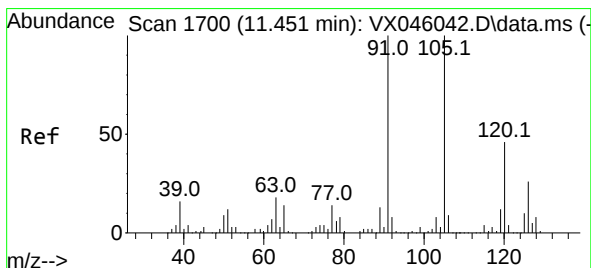
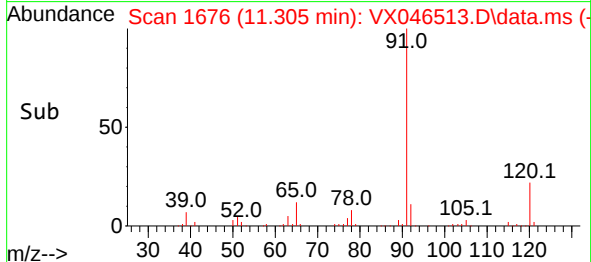
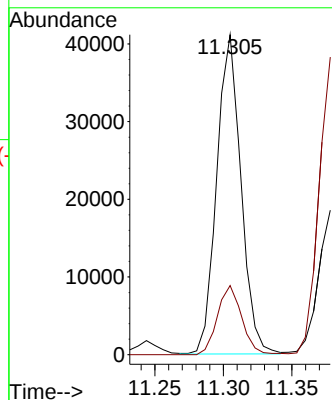
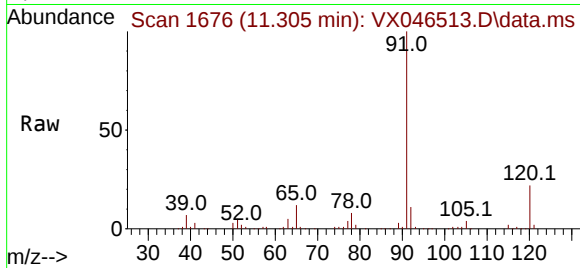




#78
n-propylbenzene
Concen: 12.621 ug/l
RT: 11.305 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX046513.D
Acq: 04 Jun 2025 20:11

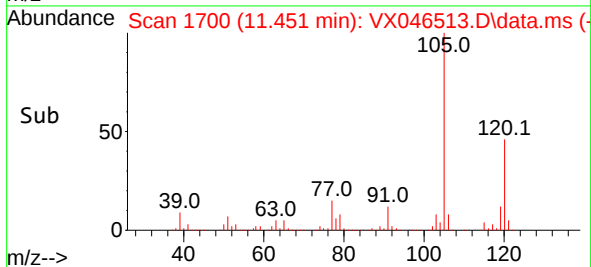
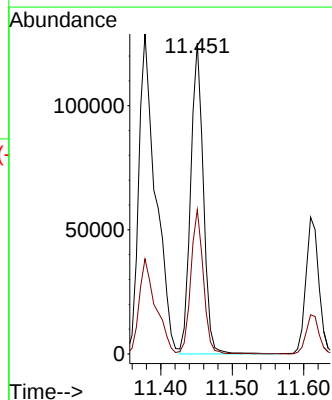
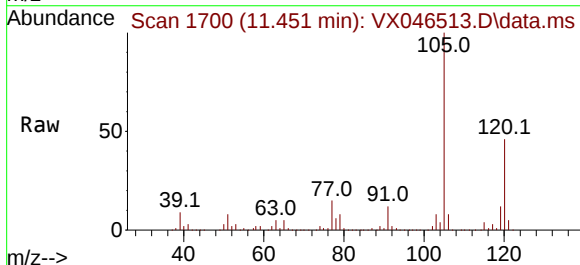
Instrument :
MSVOA_X
ClientSampleId :
C2ME

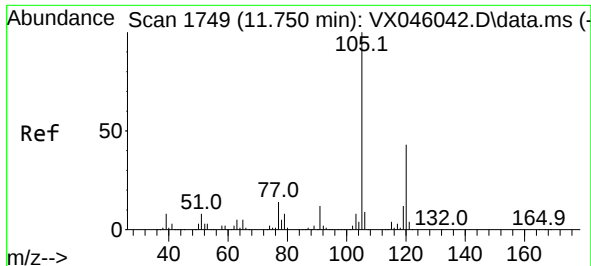
Tgt Ion: 91 Resp: 50523
Ion Ratio Lower Upper
91 100
120 21.8 10.8 32.4



#80
1,3,5-Trimethylbenzene
Concen: 53.407 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046513.D
Acq: 04 Jun 2025 20:11

Tgt Ion:105 Resp: 153615
Ion Ratio Lower Upper
105 100
120 46.3 23.1 69.2

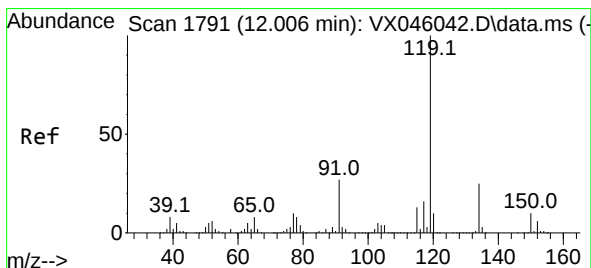
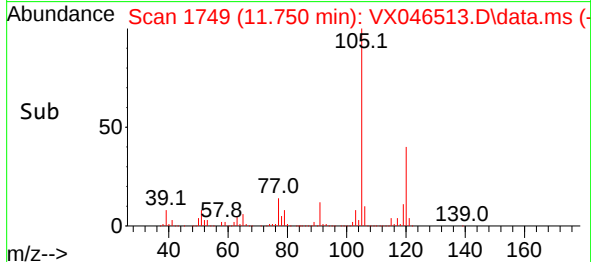
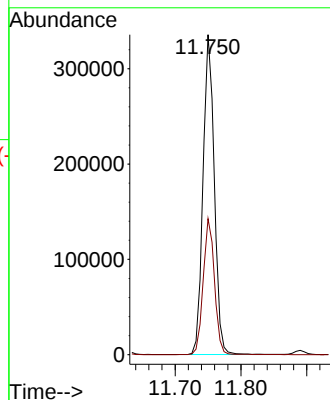
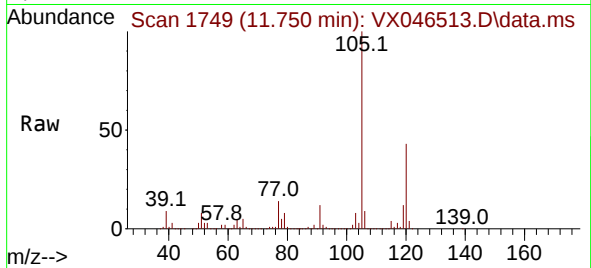




#84
 1,2,4-Trimethylbenzene
 Concen: 137.384 ug/l
 RT: 11.750 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX046513.D
 Acq: 04 Jun 2025 20:11

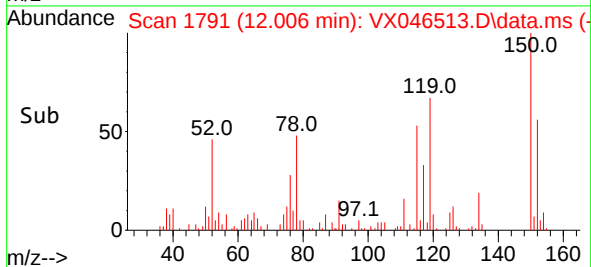
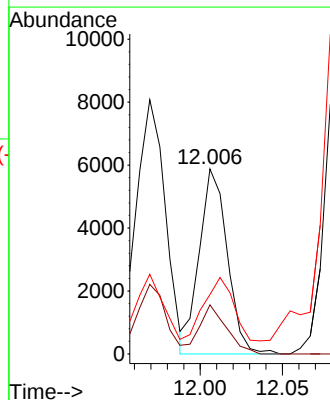
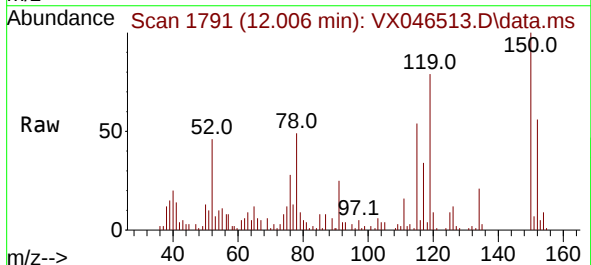
Instrument :
 MSVOA_X
 ClientSampleId :
 C2ME

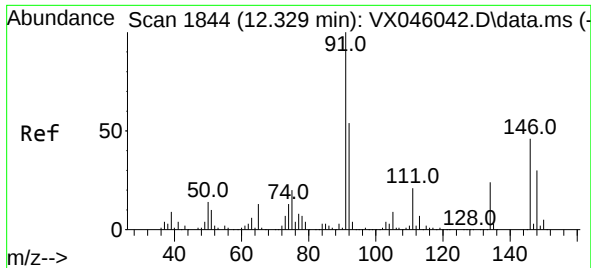
Tgt Ion:105 Resp: 400168
 Ion Ratio Lower Upper
 105 100
 120 42.6 21.2 63.6



#86
 p-Isopropyltoluene
 Concen: 2.371 ug/l
 RT: 12.006 min Scan# 1791
 Delta R.T. -0.000 min
 Lab File: VX046513.D
 Acq: 04 Jun 2025 20:11

Tgt Ion:119 Resp: 6961
 Ion Ratio Lower Upper
 119 100
 134 25.9 12.5 37.5
 91 39.2 13.8 41.4

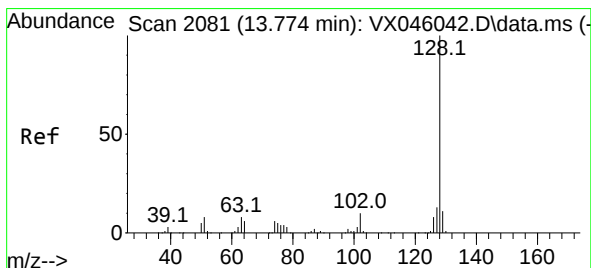
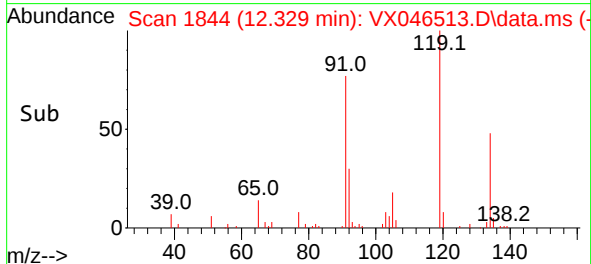
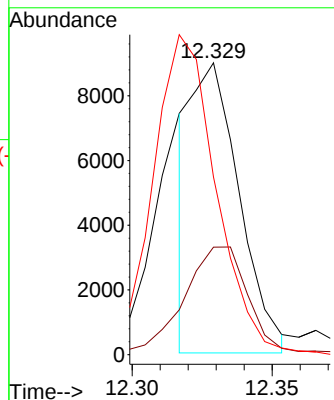
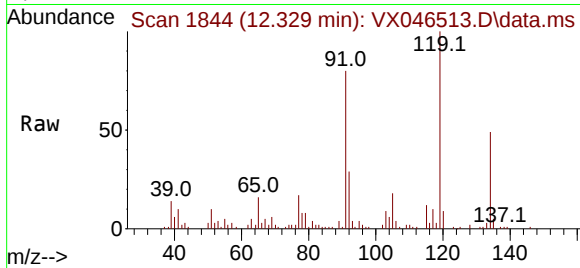




#89
n-Butylbenzene
Concen: 4.121 ug/l m
RT: 12.329 min Scan# 1844
Delta R.T. -0.000 min
Lab File: VX046513.D
Acq: 04 Jun 2025 20:11

Instrument :
MSVOA_X
ClientSampleId :
C2ME

Tgt Ion: 91 Resp: 10615
Ion Ratio Lower Upper
91 100
92 0.0 26.9 80.7#
134 0.0 11.8 35.3#



#95
Naphthalene
Concen: 862.695 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX046513.D
Acq: 04 Jun 2025 20:11

Tgt Ion:128 Resp: 2660302
Ion Ratio Lower Upper
128 100
127 13.0 10.4 15.6
129 11.1 8.6 13.0

