

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041725\
 Data File : VX045834.D
 Acq On : 17 Apr 2025 17:28
 Operator : JC/MD
 Sample : Q1816-01 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 441

Quant Time: Apr 18 03:41:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 02 03:11:43 2025
 Response via : Initial Calibration

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

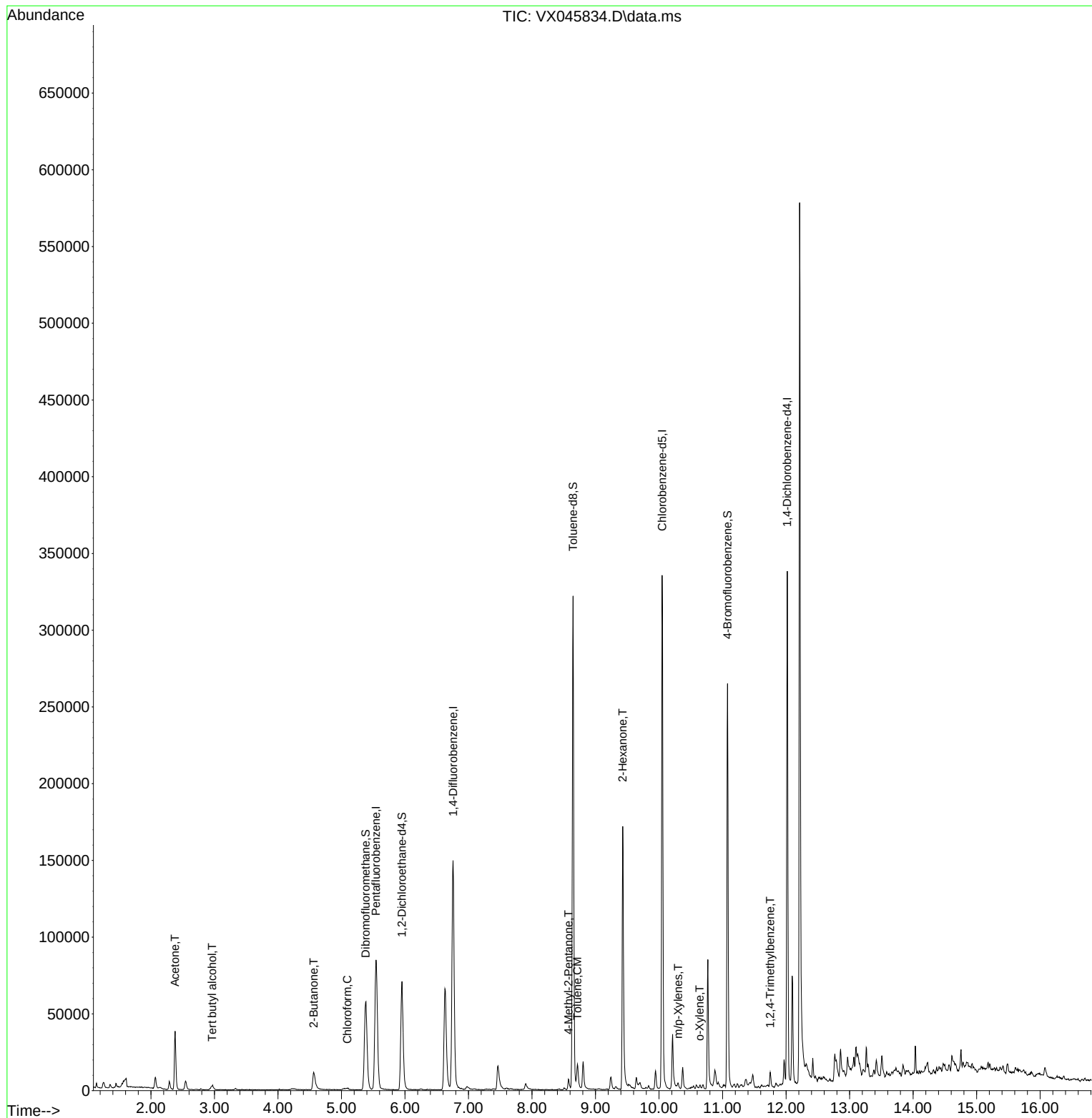
Internal Standards							
1) Pentafluorobenzene		5.544	168	72047	50.000	ug/l	0.00
34) 1,4-Difluorobenzene		6.757	114	145148	50.000	ug/l	0.00
63) Chlorobenzene-d5		10.049	117	134720	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4		12.018	152	61445	50.000	ug/l	0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4		5.952	65	68935	52.321	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 104.640%		
35) Dibromofluoromethane		5.379	113	50340	48.882	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 97.760%		
50) Toluene-d8		8.647	98	180603	50.244	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 100.480%		
62) 4-Bromofluorobenzene		11.079	95	71100	54.304	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 108.600%		
Target Compounds							
11) Tert butyl alcohol		2.965	59	3199	18.066	ug/l	Qvalue 97
16) Acetone		2.380	43	39998	73.930	ug/l	99
25) 2-Butanone		4.562	43	23216	29.315	ug/l	97
30) Chloroform		5.093	83	1028	0.546	ug/l	90
51) 4-Methyl-2-Pentanone		8.574	43	4762	2.705	ug/l	99
52) Toluene		8.714	92	3396	1.322	ug/l	90
59) 2-Hexanone		9.427	43	100541	77.116	ug/l	100
68) m/p-Xylenes		10.299	106	700	0.373	ug/l	92
69) o-Xylene		10.640	106	383	0.207	ug/l	77
84) 1,2,4-Trimethylbenzene		11.750	105	2802	0.686	ug/l	97

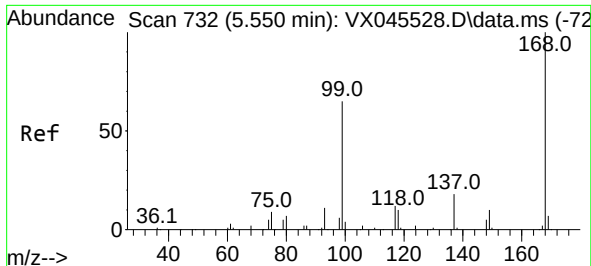
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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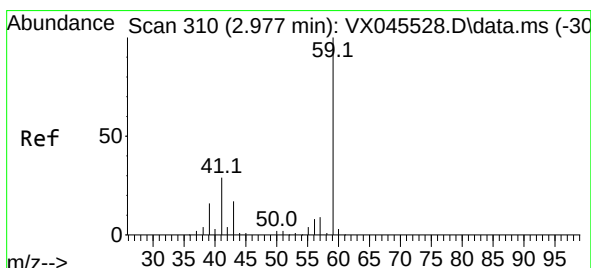
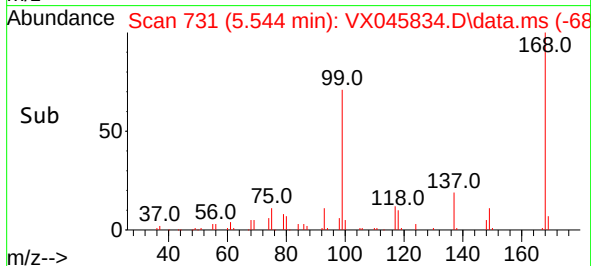
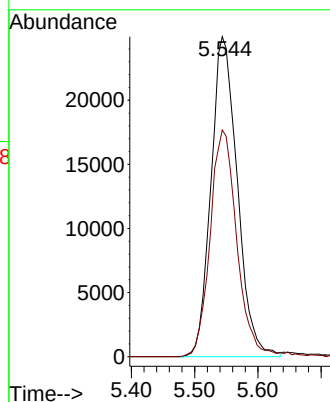
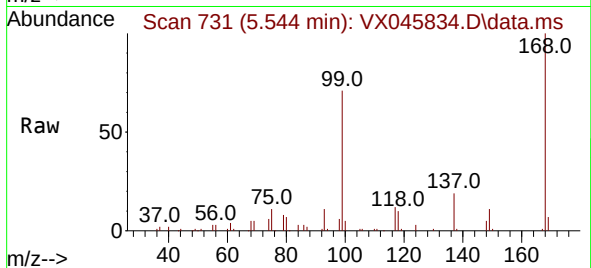




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045834.D
Acq: 17 Apr 2025 17:28

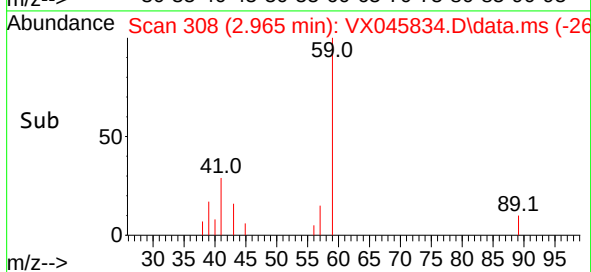
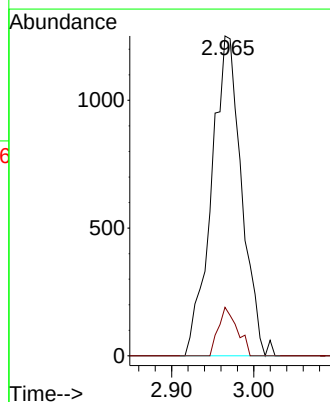
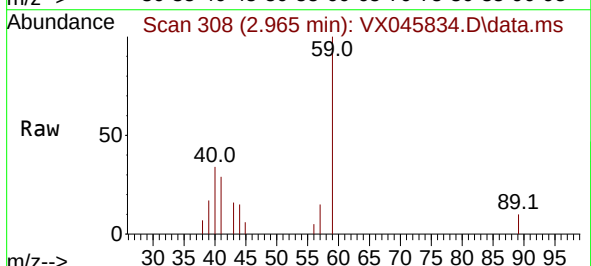
Instrument :
MSVOA_X
ClientSampleId :
441

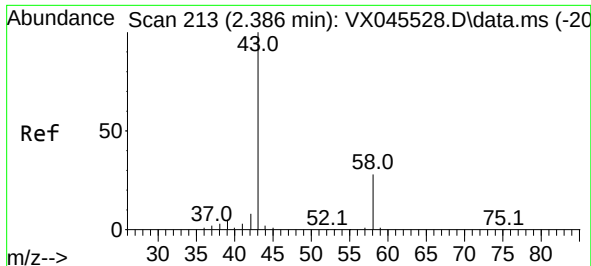
Tgt Ion:168 Resp: 72047
Ion Ratio Lower Upper
168 100
99 70.9 52.3 78.5



#11
Tert butyl alcohol
Concen: 18.066 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.012 min
Lab File: VX045834.D
Acq: 17 Apr 2025 17:28

Tgt Ion: 59 Resp: 3199
Ion Ratio Lower Upper
59 100
57 9.5 8.6 12.8

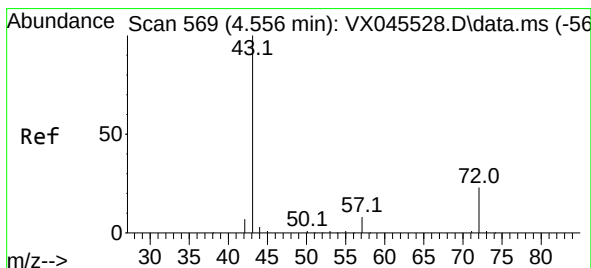
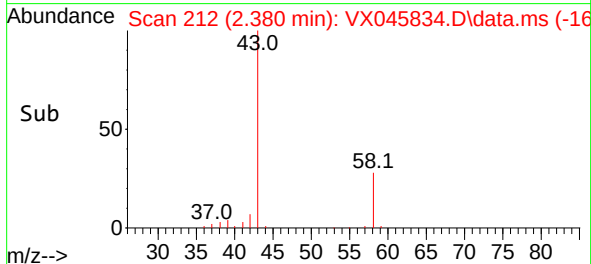
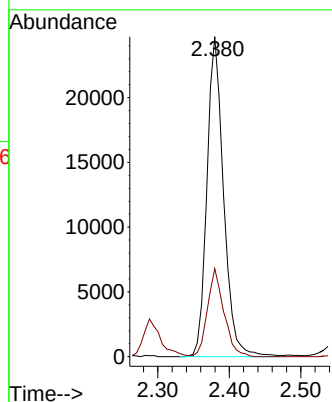
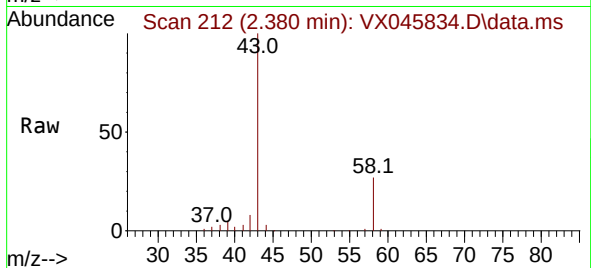




#16
Acetone
Concen: 73.930 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX045834.D
Acq: 17 Apr 2025 17:28

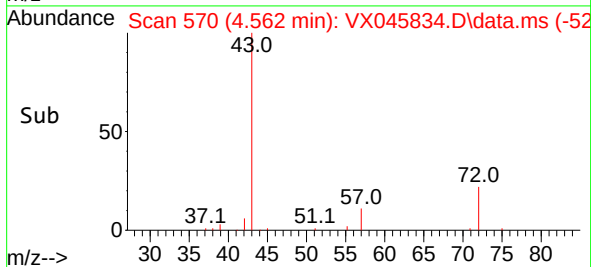
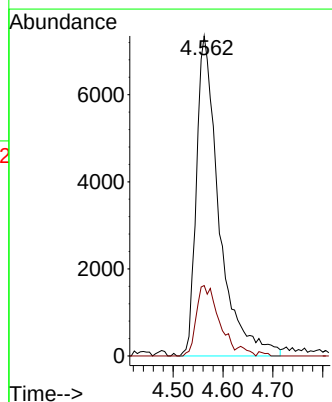
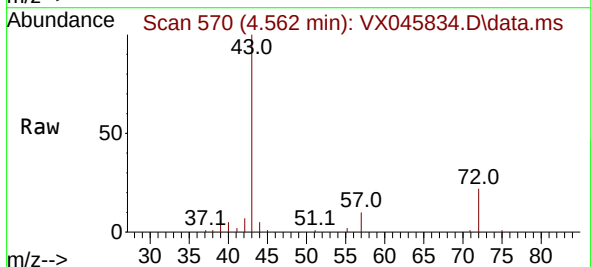
Instrument :
MSVOA_X
ClientSampleId :
441

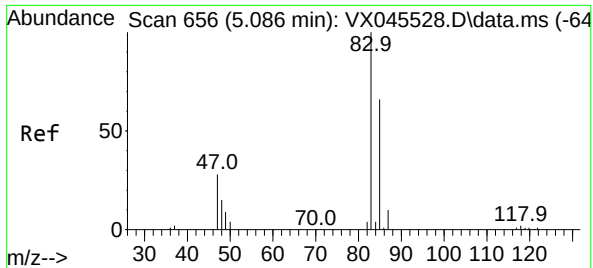
Tgt Ion: 43 Resp: 39998
Ion Ratio Lower Upper
43 100
58 27.5 22.3 33.5



#25
2-Butanone
Concen: 29.315 ug/l
RT: 4.562 min Scan# 570
Delta R.T. 0.006 min
Lab File: VX045834.D
Acq: 17 Apr 2025 17:28

Tgt Ion: 43 Resp: 23216
Ion Ratio Lower Upper
43 100
72 22.0 18.6 28.0





#30

Chloroform

Concen: 0.546 ug/l

RT: 5.093 min Scan# 6

Delta R.T. 0.006 min

Lab File: VX045834.D

Acq: 17 Apr 2025 17:28

Instrument :

MSVOA_X

ClientSampleId :

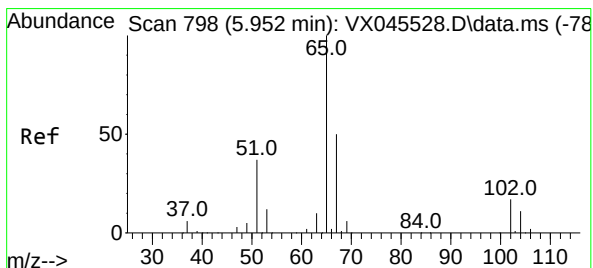
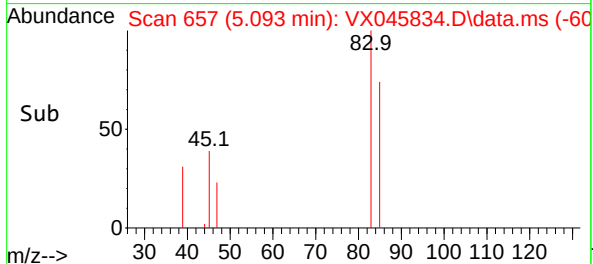
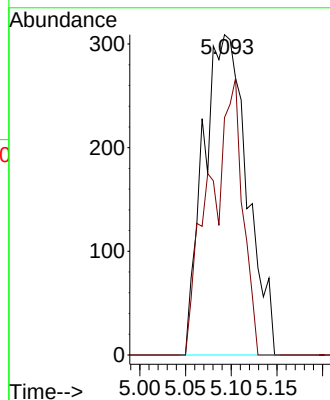
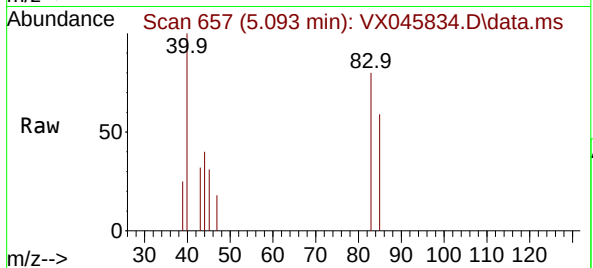
441

Tgt Ion: 83 Resp: 1028

Ion Ratio Lower Upper

83 100

85 74.1 52.8 79.2



#33

1,2-Dichloroethane-d4

Concen: 52.321 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX045834.D

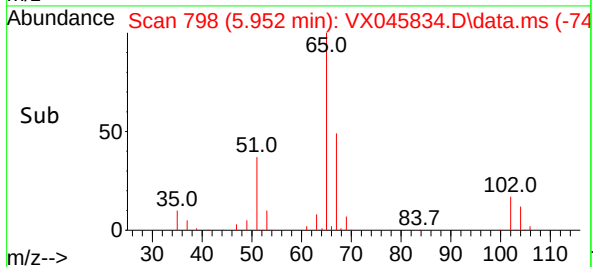
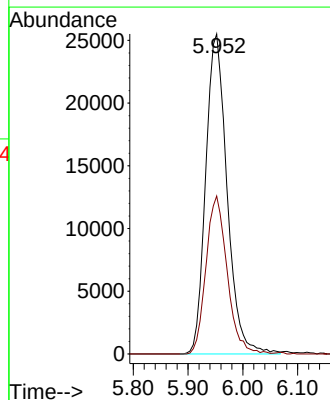
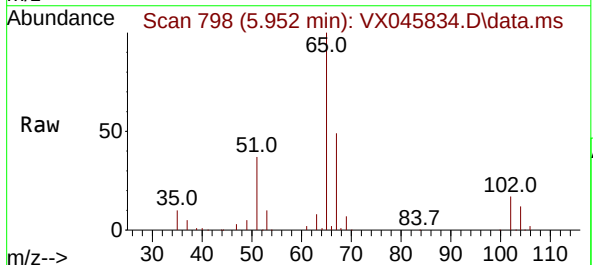
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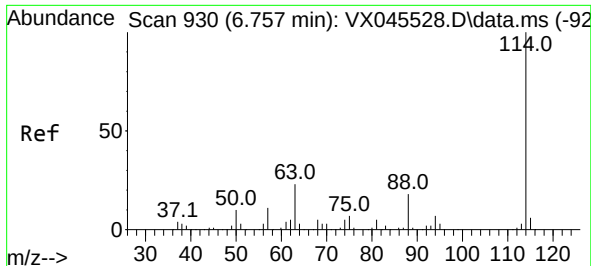
Tgt Ion: 65 Resp: 68935

Ion Ratio Lower Upper

65 100

67 48.9 0.0 99.0

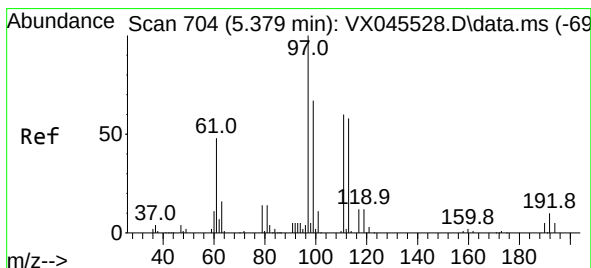
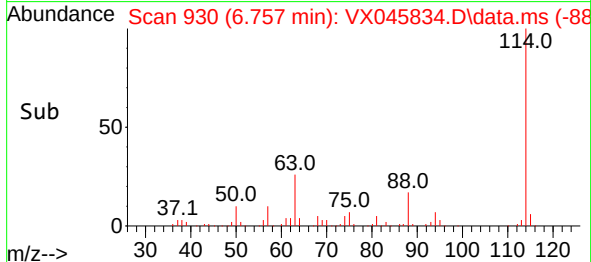
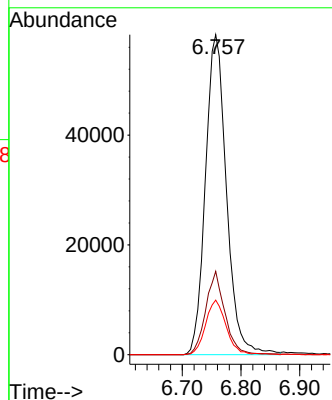
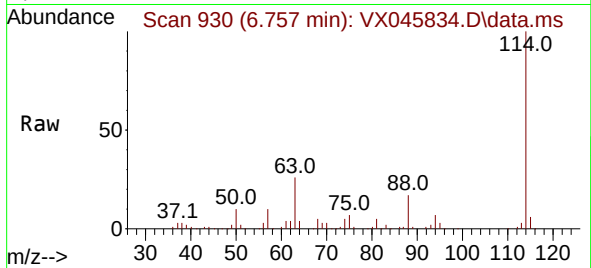




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX045834.D
Acq: 17 Apr 2025 17:28

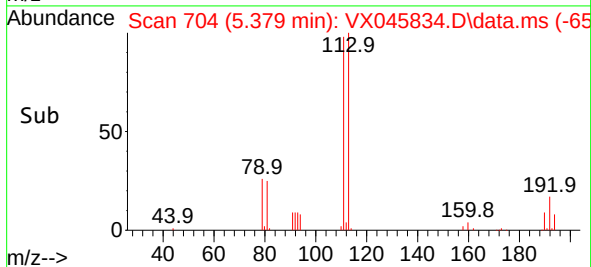
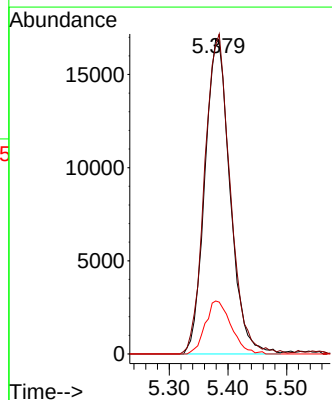
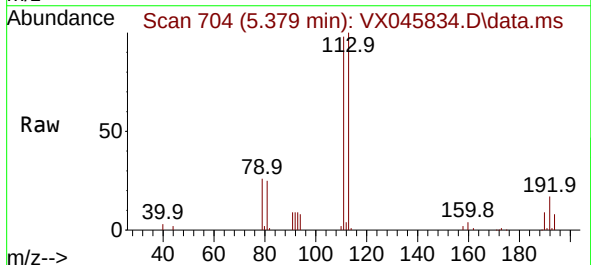
Instrument :
MSVOA_X
ClientSampleId :
441

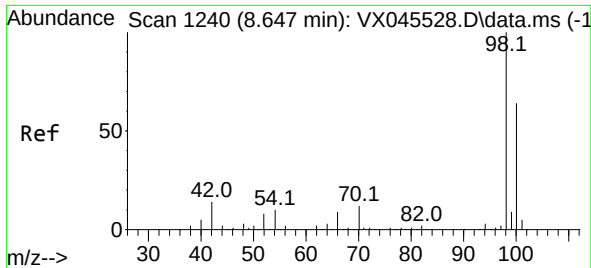
Tgt Ion:114 Resp: 145148
Ion Ratio Lower Upper
114 100
63 26.0 0.0 46.8
88 17.0 0.0 35.4



#35
Dibromofluoromethane
Concen: 48.882 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX045834.D
Acq: 17 Apr 2025 17:28

Tgt Ion:113 Resp: 50340
Ion Ratio Lower Upper
113 100
111 103.0 81.8 122.6
192 17.2 13.8 20.6

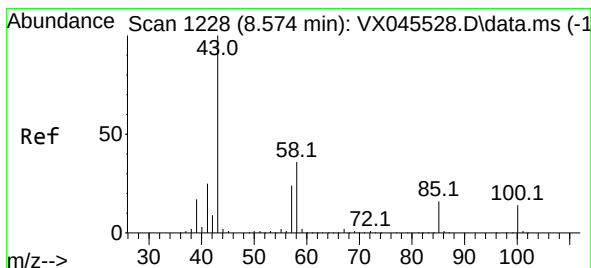
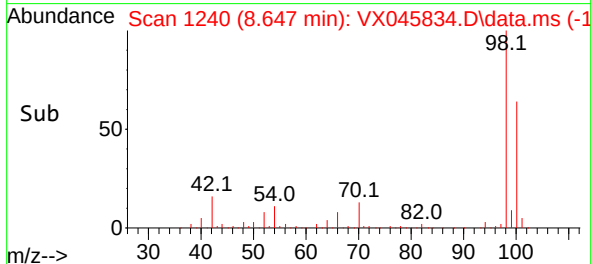
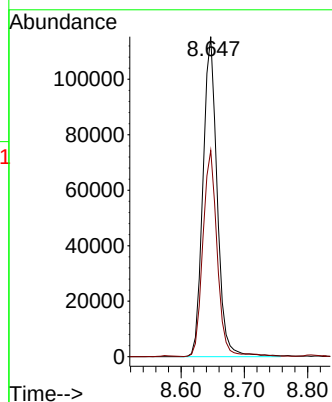
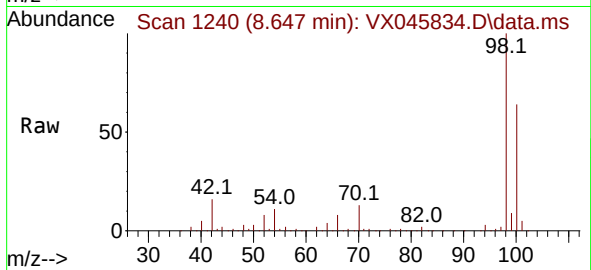




#50
Toluene-d8
Concen: 50.244 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045834.D
Acq: 17 Apr 2025 17:28

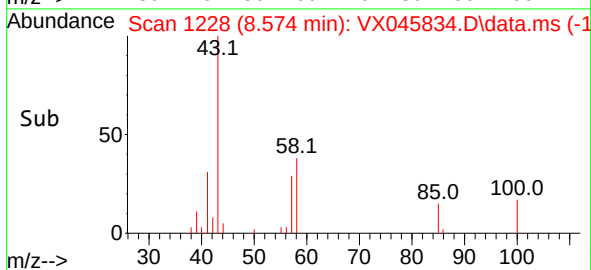
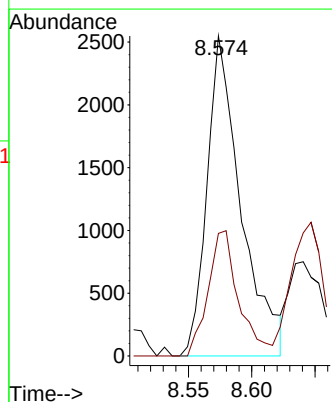
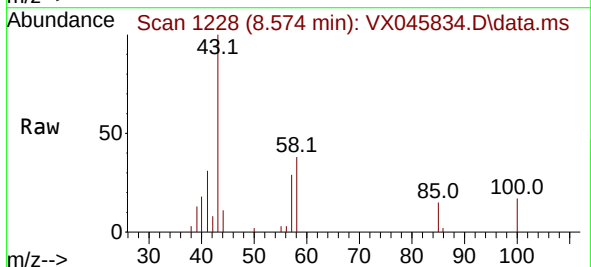
Instrument :
MSVOA_X
ClientSampleId :
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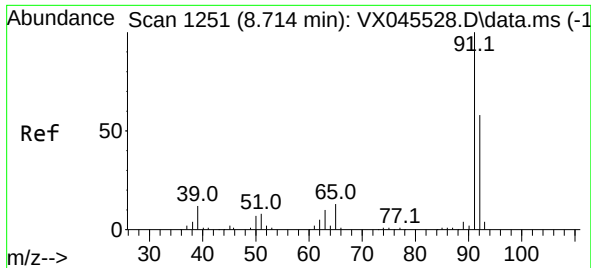
Tgt Ion: 98 Resp: 180603
Ion Ratio Lower Upper
98 100
100 65.1 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 2.705 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. 0.000 min
Lab File: VX045834.D
Acq: 17 Apr 2025 17:28

Tgt Ion: 43 Resp: 4762
Ion Ratio Lower Upper
43 100
58 35.3 28.5 42.7





#52

Toluene

Concen: 1.322 ug/l

RT: 8.714 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX045834.D

Acq: 17 Apr 2025 17:28

Instrument :

MSVOA_X

ClientSampleId :

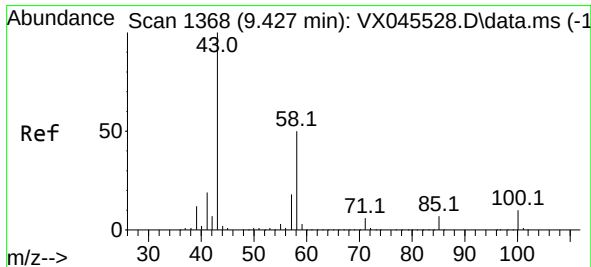
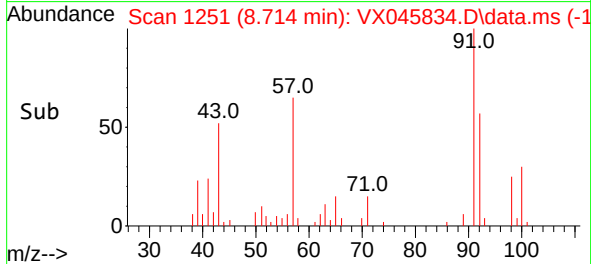
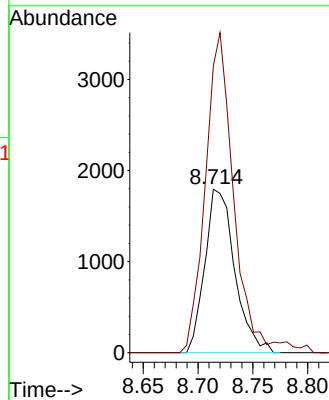
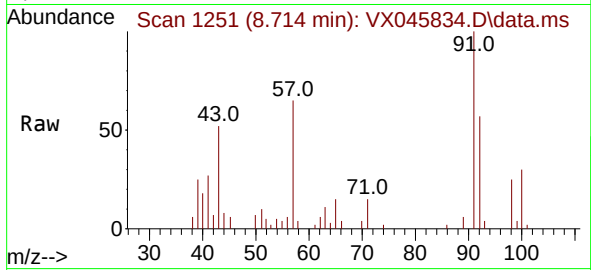
441

Tgt Ion: 92 Resp: 3396

Ion Ratio Lower Upper

92 100

91 187.5 138.7 208.1



#59

2-Hexanone

Concen: 77.116 ug/l

RT: 9.427 min Scan# 1368

Delta R.T. 0.000 min

Lab File: VX045834.D

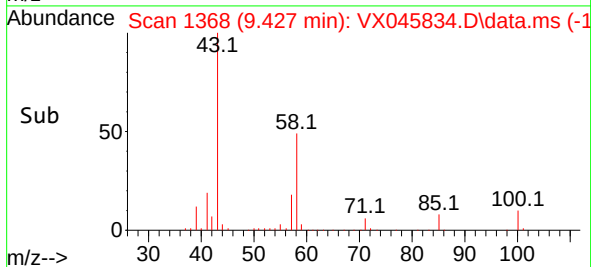
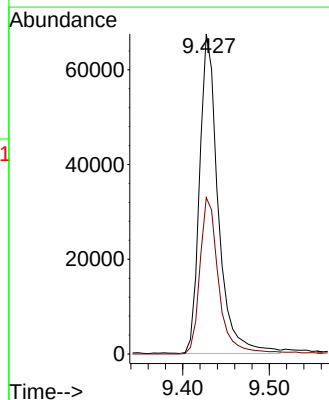
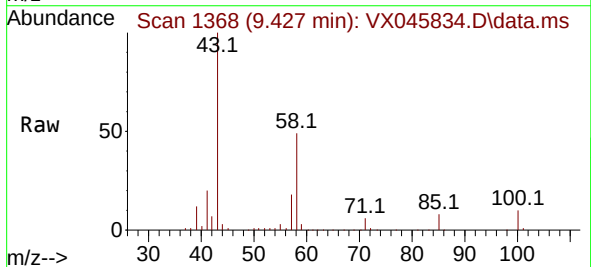
Acq: 17 Apr 2025 17:28

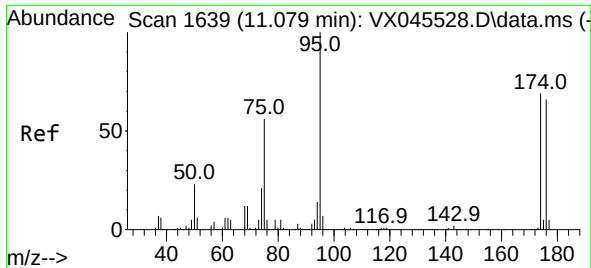
Tgt Ion: 43 Resp: 100541

Ion Ratio Lower Upper

43 100

58 50.0 24.9 74.6

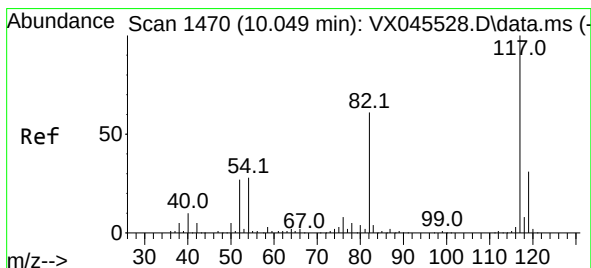
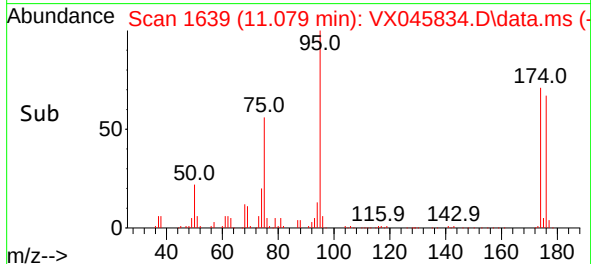
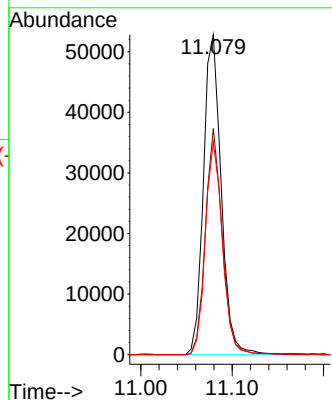
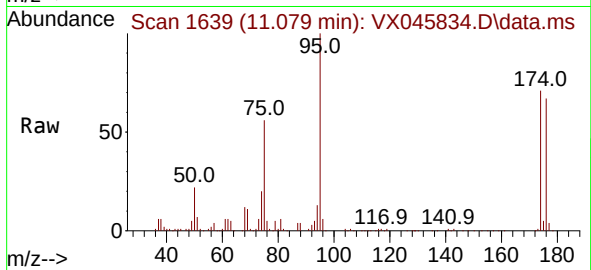




#62
4-Bromofluorobenzene
Concen: 54.304 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045834.D
Acq: 17 Apr 2025 17:28

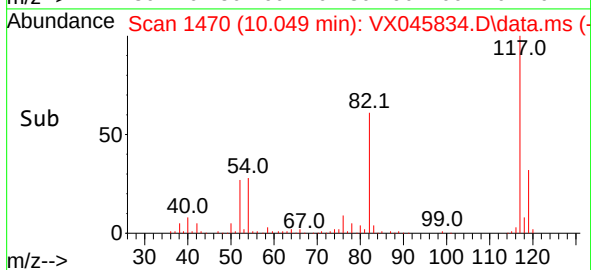
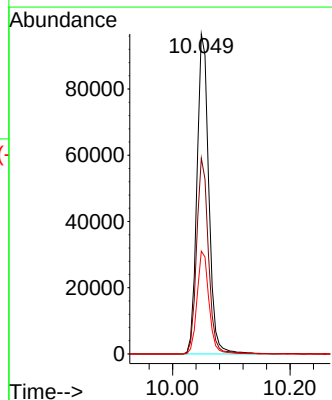
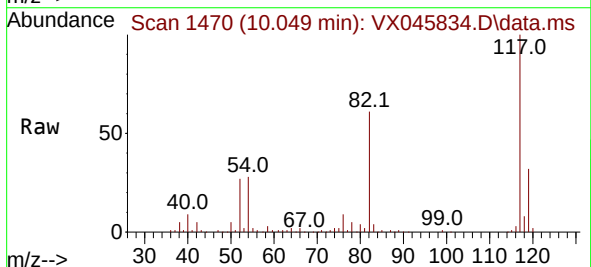
Instrument :
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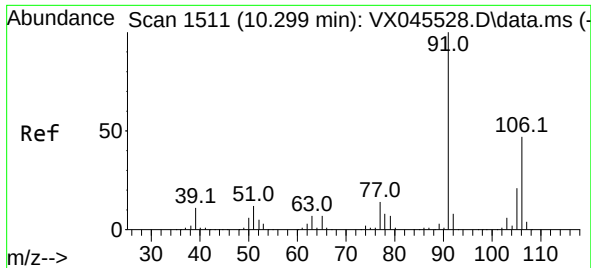
Tgt Ion: 95 Resp: 71100
Ion Ratio Lower Upper
95 100
174 67.0 0.0 135.8
176 64.0 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX045834.D
Acq: 17 Apr 2025 17:28

Tgt Ion: 117 Resp: 134720
Ion Ratio Lower Upper
117 100
82 61.2 49.2 73.8
119 32.1 25.1 37.7

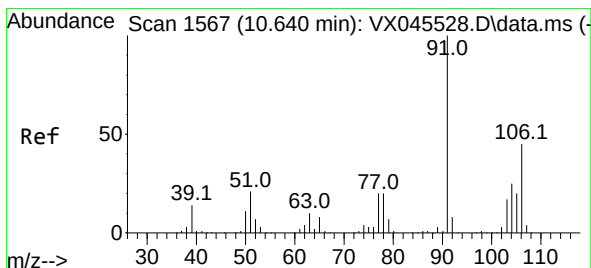
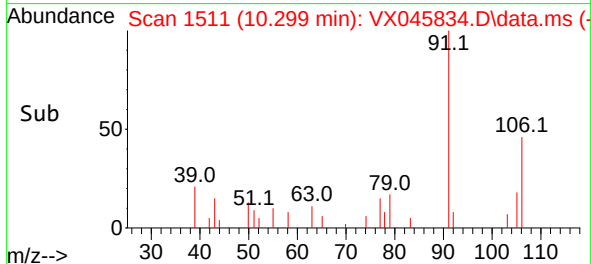
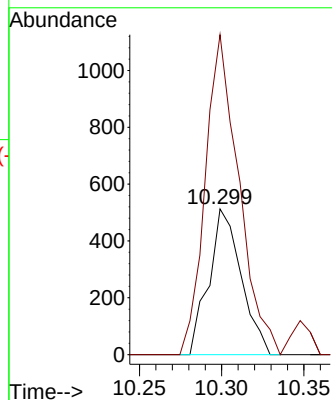
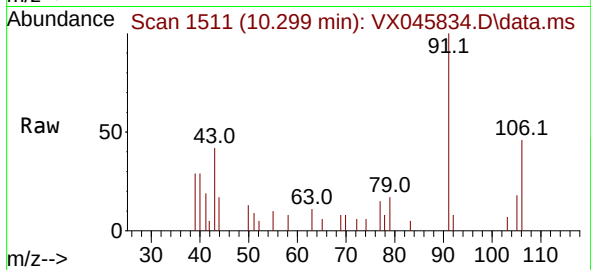




#68
m/p-Xylenes
Concen: 0.373 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX045834.D
Acq: 17 Apr 2025 17:28

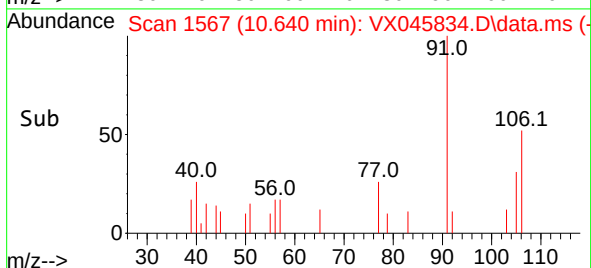
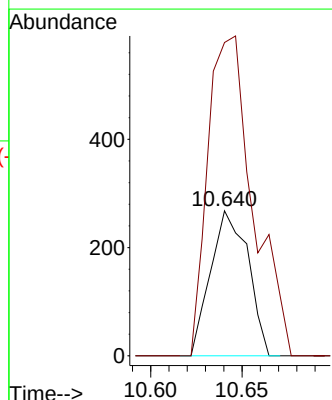
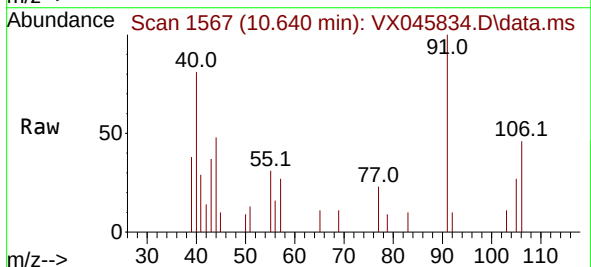
Instrument :
MSVOA_X
ClientSampleId :
441

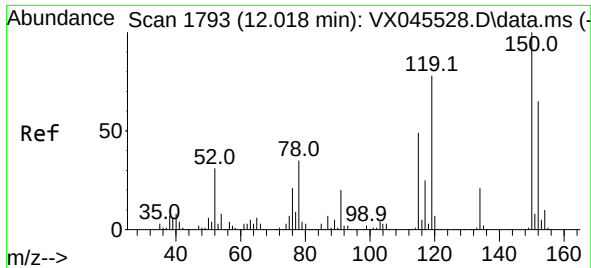
Tgt Ion:106 Resp: 700
Ion Ratio Lower Upper
106 100
91 228.4 172.6 258.8



#69
o-Xylene
Concen: 0.207 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX045834.D
Acq: 17 Apr 2025 17:28

Tgt Ion:106 Resp: 383
Ion Ratio Lower Upper
106 100
91 265.0 113.6 340.6

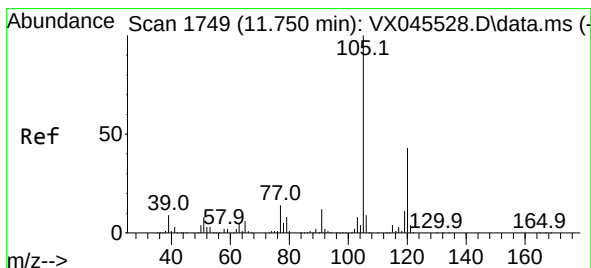
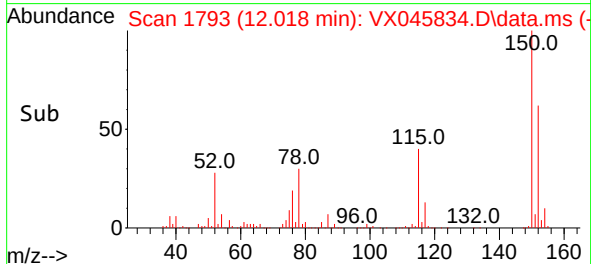
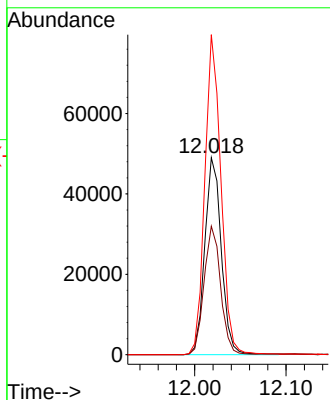
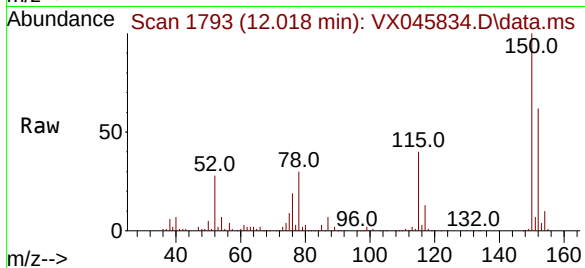




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045834.D
Acq: 17 Apr 2025 17:28

Instrument :
MSVOA_X
ClientSampleId :
441

Tgt Ion:152 Resp: 61445
Ion Ratio Lower Upper
152 100
115 65.4 46.9 140.7
150 158.9 0.0 349.4



#84
1,2,4-Trimethylbenzene
Concen: 0.686 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX045834.D
Acq: 17 Apr 2025 17:28

Tgt Ion:105 Resp: 2802
Ion Ratio Lower Upper
105 100
120 40.8 21.4 64.3

