

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110325\
 Data File : VX048463.D
 Acq On : 03 Nov 2025 17:24
 Operator : JC/MD
 Sample : Q3500-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 463

Quant Time: Nov 04 00:17:10 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102925W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 30 02:37:17 2025
 Response via : Initial Calibration

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

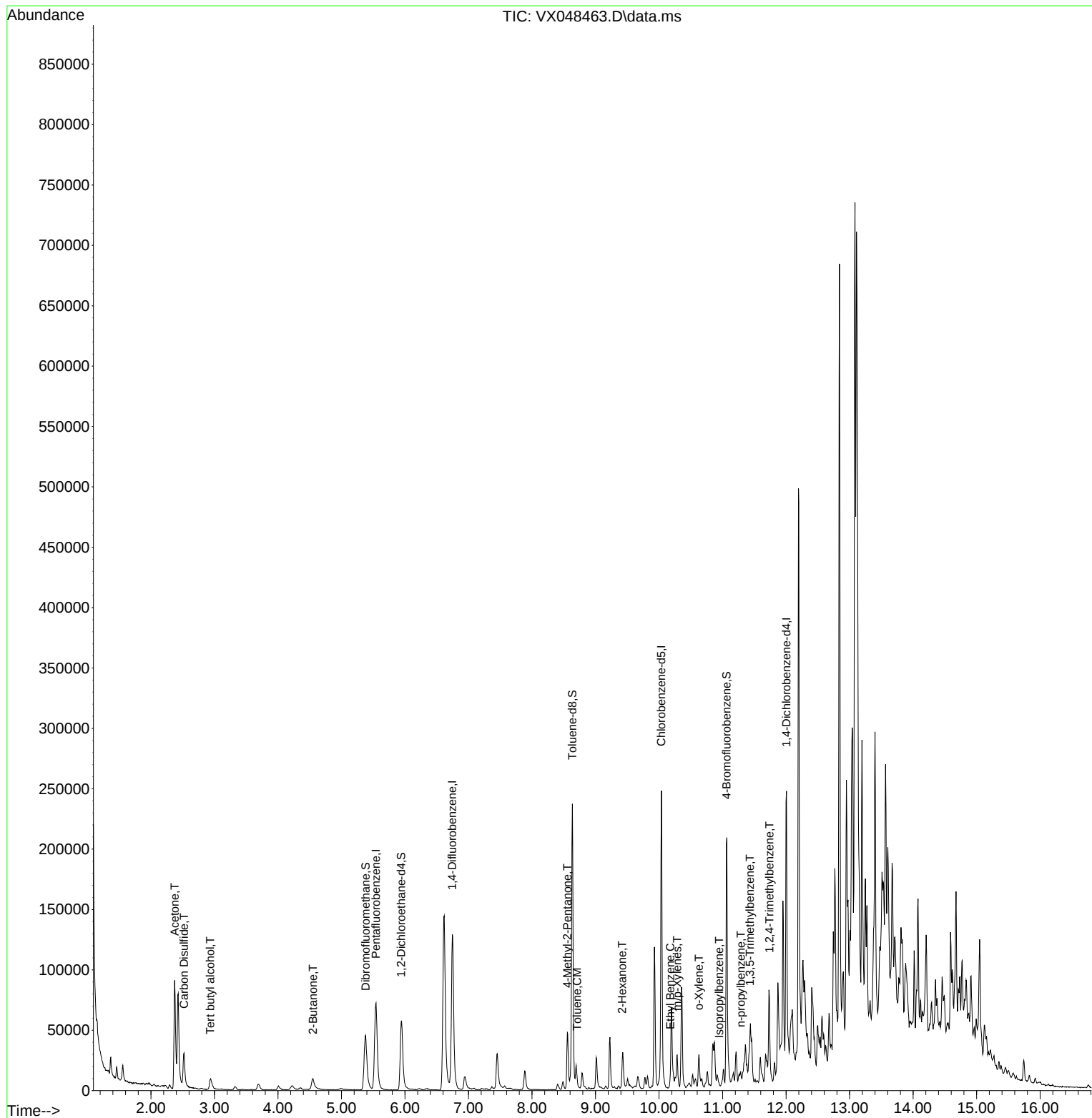
Internal Standards						
1) Pentafluorobenzene	5.544	168	71396	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	144757	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	112042	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	47955	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	64979	63.284	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	126.560%#
35) Dibromofluoromethane	5.379	113	43919	53.215	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	106.420%
50) Toluene-d8	8.635	98	144379	39.630	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	79.260%#
62) 4-Bromofluorobenzene	11.061	95	55579	40.782	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	81.560%#
Target Compounds						
						Qvalue
11) Tert butyl alcohol	2.934	59	11853	150.675	ug/l	# 90
16) Acetone	2.374	43	114467	491.876	ug/l	97
17) Carbon Disulfide	2.520	76	3981	1.671	ug/l	97
25) 2-Butanone	4.550	43	14616	39.315	ug/l	93
51) 4-Methyl-2-Pentanone	8.555	43	31253	28.806	ug/l	97
52) Toluene	8.708	92	941	0.356	ug/l	84
59) 2-Hexanone	9.421	43	7638	10.819	ug/l	84
67) Ethyl Benzene	10.177	91	4431	1.020	ug/l	95
68) m/p-Xylenes	10.287	106	6173	3.751	ug/l	100
69) o-Xylene	10.628	106	4949	3.147	ug/l	95
73) Isopropylbenzene	10.945	105	1021	0.288	ug/l	97
78) n-propylbenzene	11.287	91	3069	0.732	ug/l	96
80) 1,3,5-Trimethylbenzene	11.433	105	6964	2.395	ug/l	99
84) 1,2,4-Trimethylbenzene	11.738	105	20137	6.995	ug/l	98

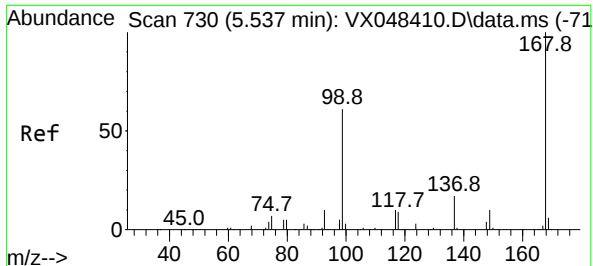
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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463

Quant Time: Nov 04 00:17:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102925W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 30 02:37:17 2025
Response via : Initial Calibration

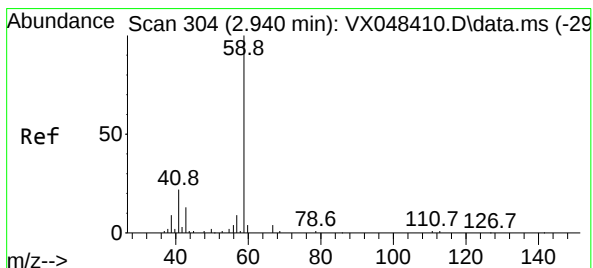
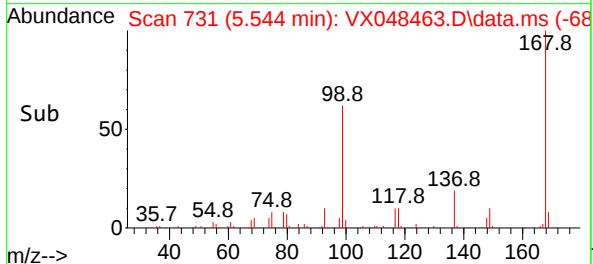
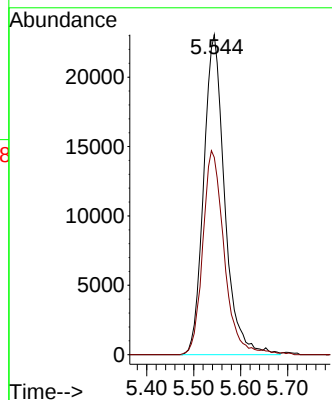
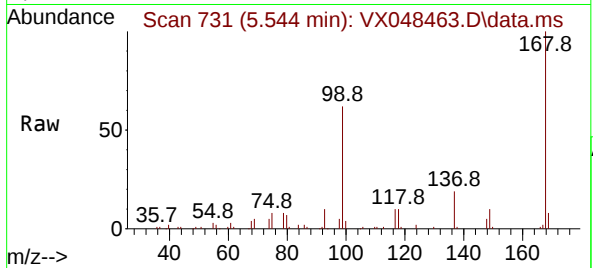




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX048463.D
Acq: 03 Nov 2025 17:24

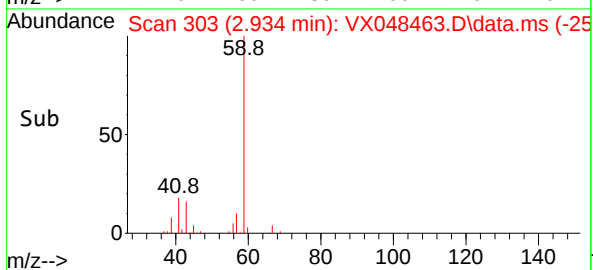
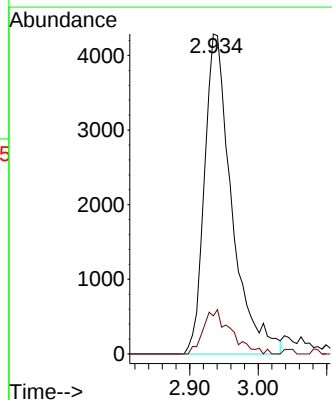
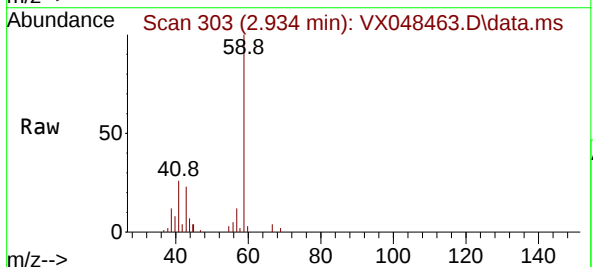
Instrument :
MSVOA_X
ClientSampleId :
463

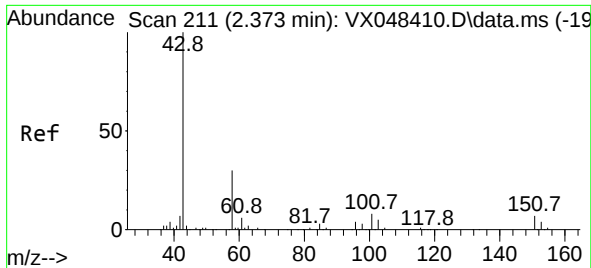
Tgt Ion:168 Resp: 71396
Ion Ratio Lower Upper
168 100
99 61.6 46.4 69.6



#11
Tert butyl alcohol
Concen: 150.675 ug/l
RT: 2.934 min Scan# 303
Delta R.T. -0.006 min
Lab File: VX048463.D
Acq: 03 Nov 2025 17:24

Tgt Ion: 59 Resp: 11853
Ion Ratio Lower Upper
59 100
57 14.1 8.2 12.4#

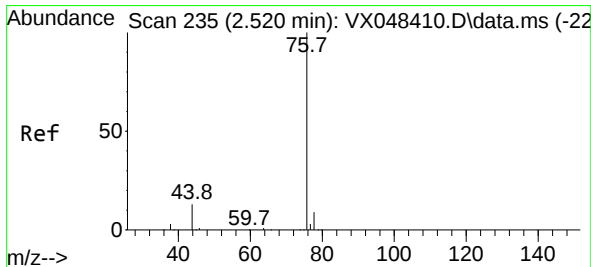
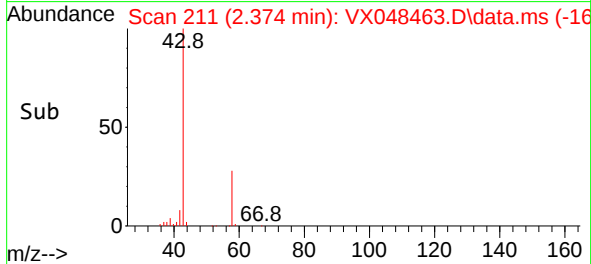
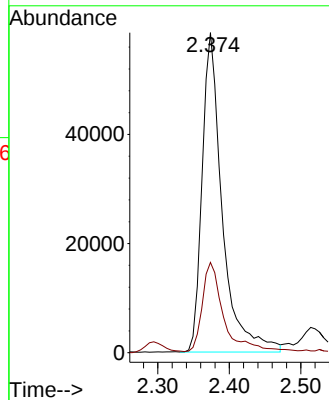
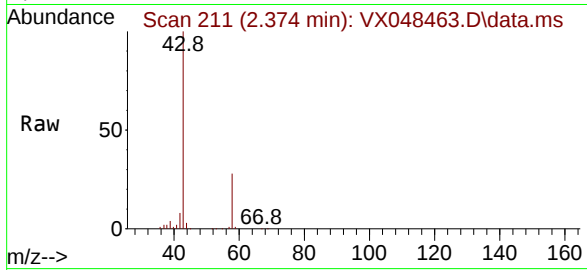




#16
Acetone
Concen: 491.876 ug/l
RT: 2.374 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX048463.D
Acq: 03 Nov 2025 17:24

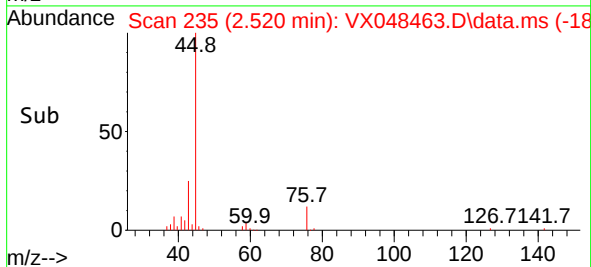
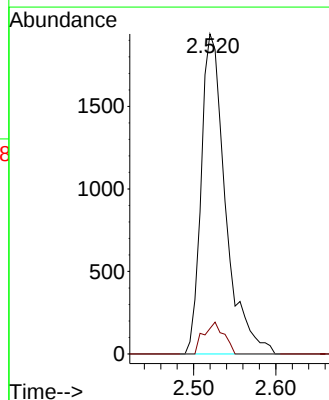
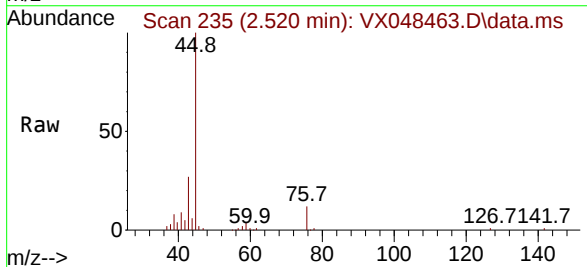
Instrument :
MSVOA_X
ClientSampleId :
463

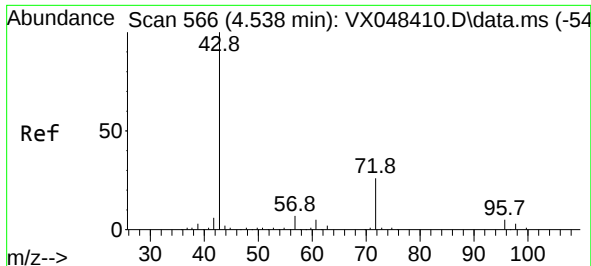
Tgt Ion: 43 Resp: 114467
Ion Ratio Lower Upper
43 100
58 28.0 23.4 35.2



#17
Carbon Disulfide
Concen: 1.671 ug/l
RT: 2.520 min Scan# 235
Delta R.T. 0.000 min
Lab File: VX048463.D
Acq: 03 Nov 2025 17:24

Tgt Ion: 76 Resp: 3981
Ion Ratio Lower Upper
76 100
78 7.7 7.1 10.7

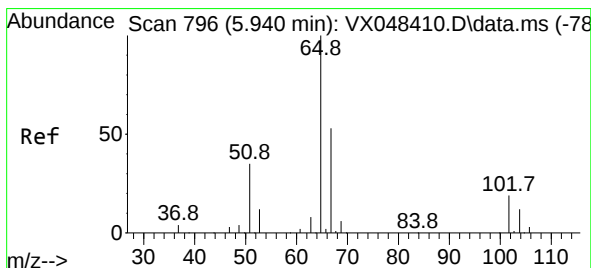
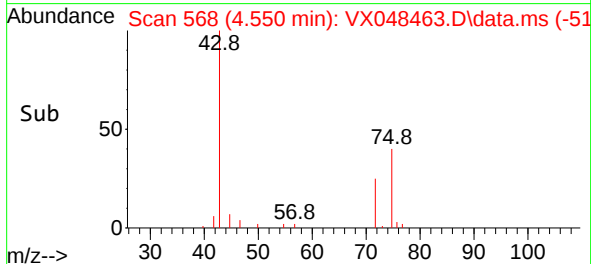
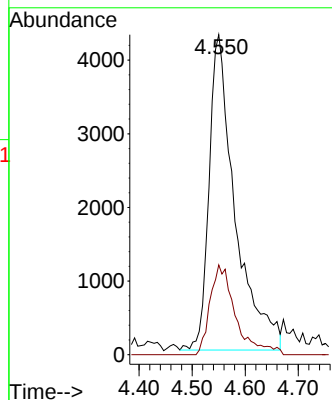
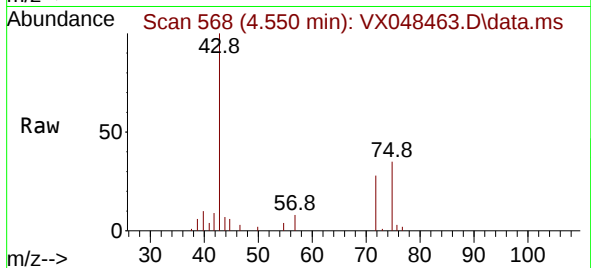




#25
2-Butanone
Concen: 39.315 ug/l
RT: 4.550 min Scan# 568
Delta R.T. 0.012 min
Lab File: VX048463.D
Acq: 03 Nov 2025 17:24

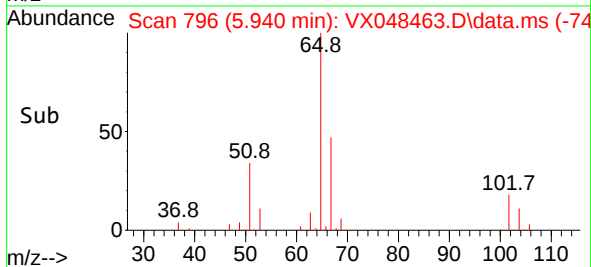
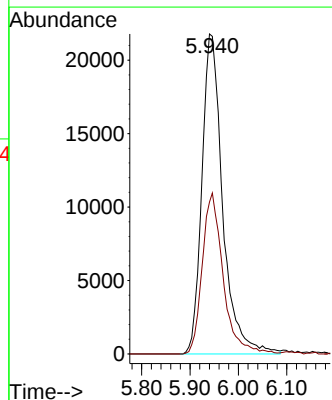
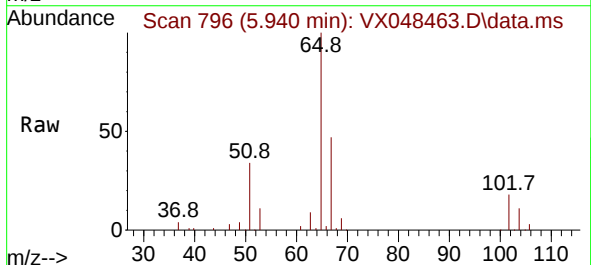
Instrument :
MSVOA_X
ClientSampleId :
463

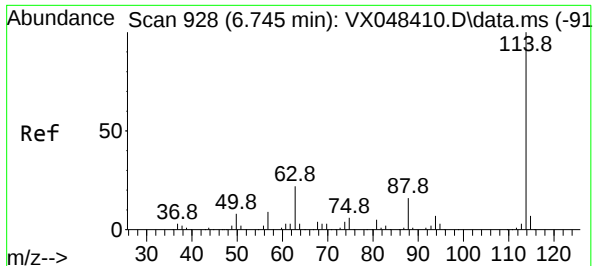
Tgt Ion: 43 Resp: 14616
Ion Ratio Lower Upper
43 100
72 28.5 19.9 29.9



#33
1,2-Dichloroethane-d4
Concen: 63.284 ug/l
RT: 5.940 min Scan# 796
Delta R.T. 0.000 min
Lab File: VX048463.D
Acq: 03 Nov 2025 17:24

Tgt Ion: 65 Resp: 64979
Ion Ratio Lower Upper
65 100
67 50.6 0.0 105.0

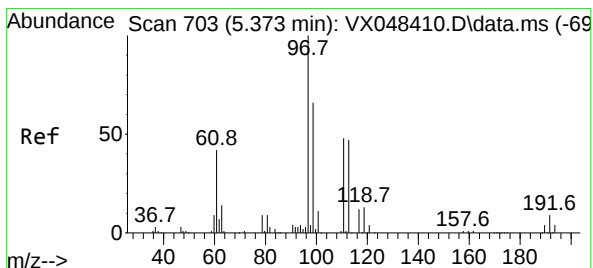
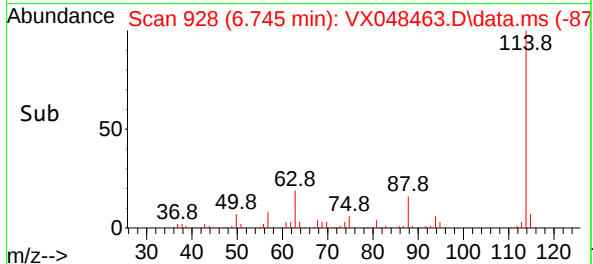
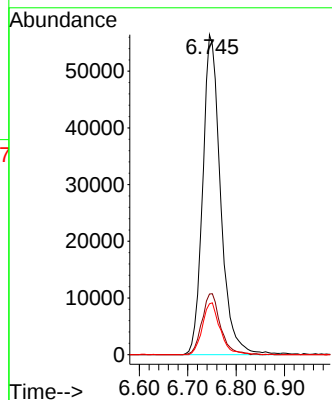
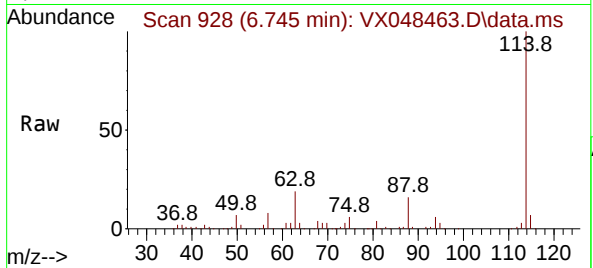




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX048463.D
Acq: 03 Nov 2025 17:24

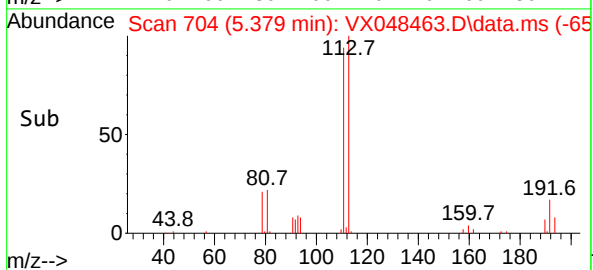
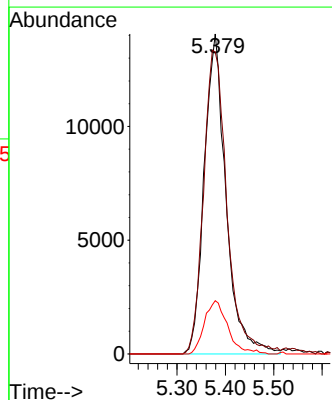
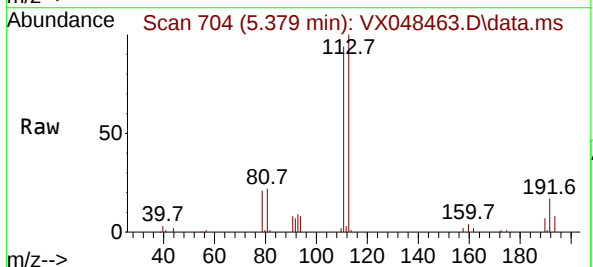
Instrument :
MSVOA_X
ClientSampleId :
463

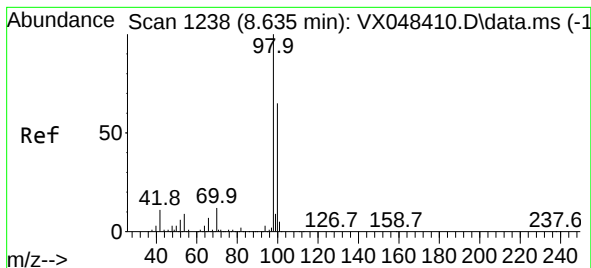
Tgt Ion:114 Resp: 144757
Ion Ratio Lower Upper
114 100
63 18.9 0.0 43.2
88 15.9 0.0 33.6



#35
Dibromofluoromethane
Concen: 53.215 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX048463.D
Acq: 03 Nov 2025 17:24

Tgt Ion:113 Resp: 43919
Ion Ratio Lower Upper
113 100
111 102.4 82.2 123.4
192 17.9 15.1 22.7





#50

Toluene-d8

Concen: 39.630 ug/l

RT: 8.635 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX048463.D

Acq: 03 Nov 2025 17:24

Instrument :

MSVOA_X

ClientSampleId :

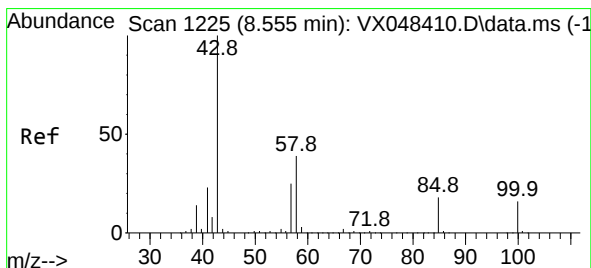
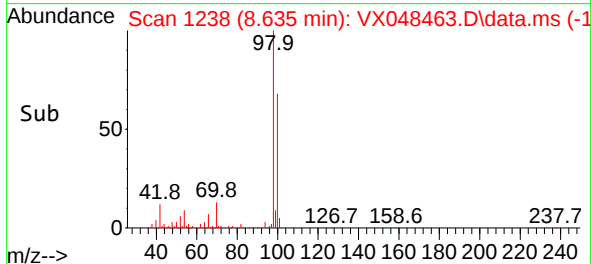
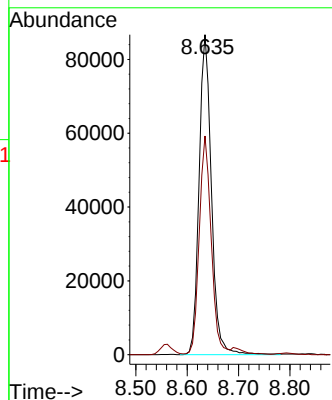
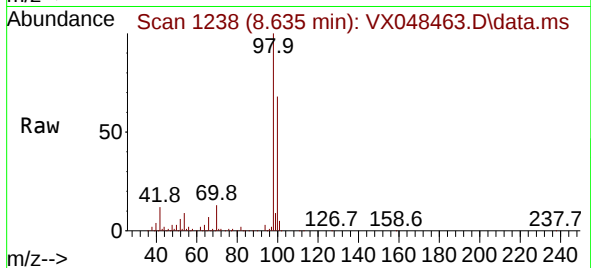
463

Tgt Ion: 98 Resp: 144379

Ion Ratio Lower Upper

98 100

100 66.4 53.0 79.4



#51

4-Methyl-2-Pentanone

Concen: 28.806 ug/l

RT: 8.555 min Scan# 1225

Delta R.T. 0.000 min

Lab File: VX048463.D

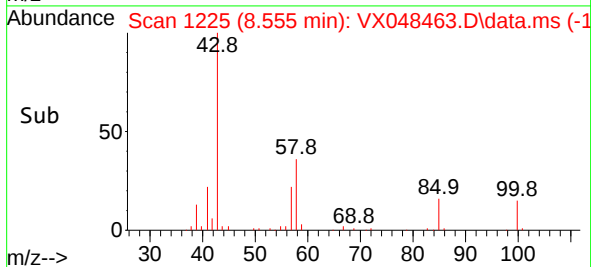
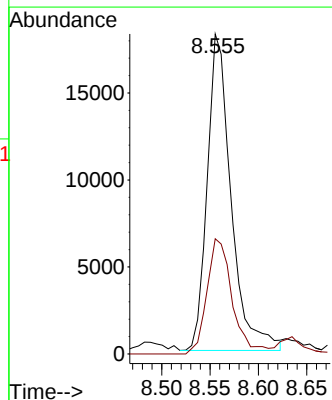
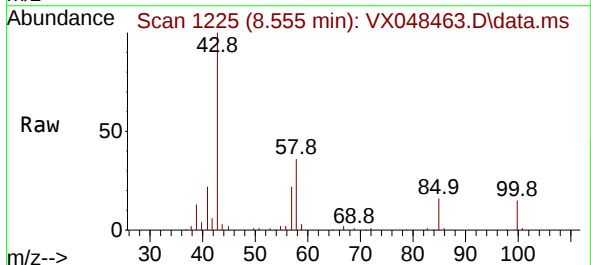
Acq: 03 Nov 2025 17:24

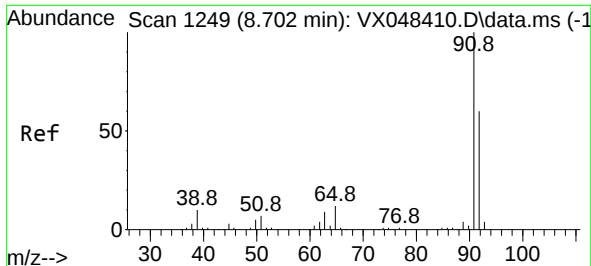
Tgt Ion: 43 Resp: 31253

Ion Ratio Lower Upper

43 100

58 38.5 29.5 44.3





#52

Toluene

Concen: 0.356 ug/l

RT: 8.708 min Scan# 1249

Delta R.T. 0.006 min

Lab File: VX048463.D

Acq: 03 Nov 2025 17:24

Instrument :

MSVOA_X

ClientSampleId :

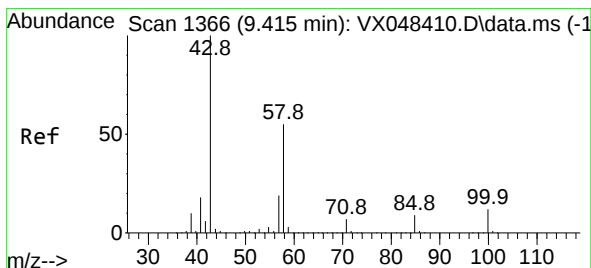
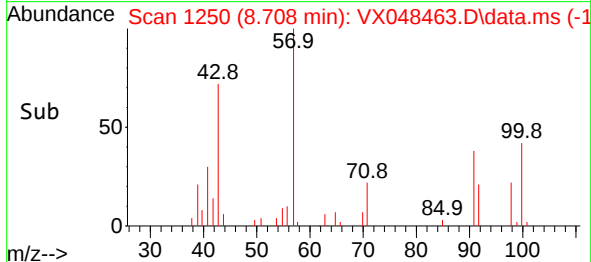
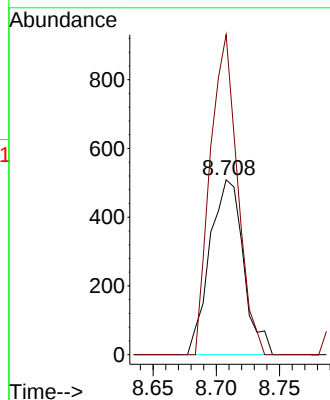
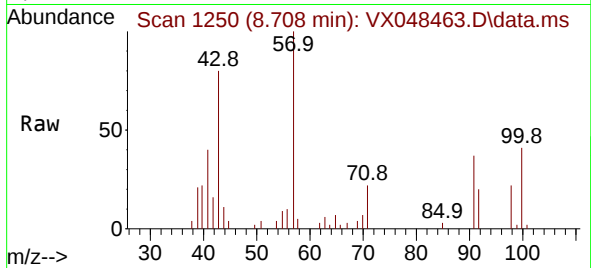
463

Tgt Ion: 92 Resp: 941

Ion Ratio Lower Upper

92 100

91 148.2 136.1 204.1



#59

2-Hexanone

Concen: 10.819 ug/l

RT: 9.421 min Scan# 1367

Delta R.T. 0.006 min

Lab File: VX048463.D

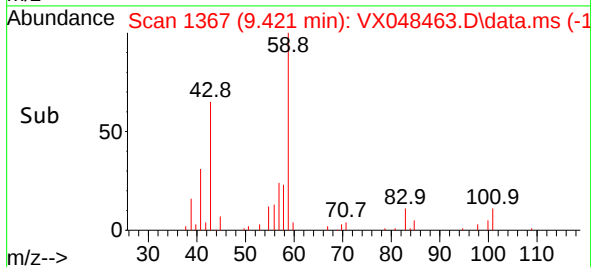
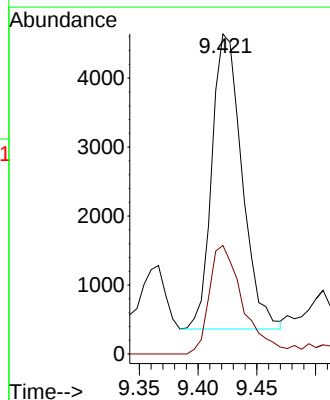
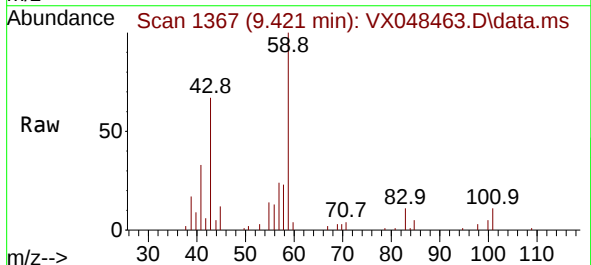
Acq: 03 Nov 2025 17:24

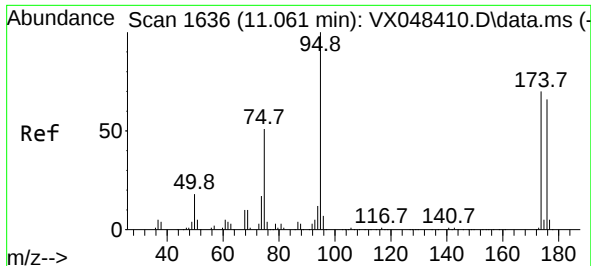
Tgt Ion: 43 Resp: 7638

Ion Ratio Lower Upper

43 100

58 40.9 26.3 78.8

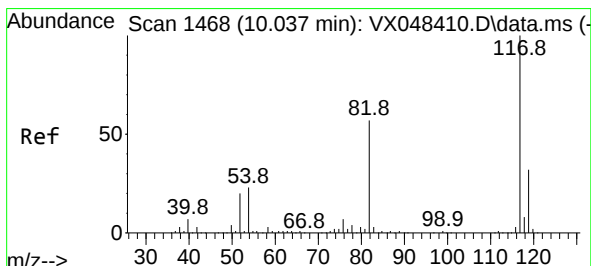
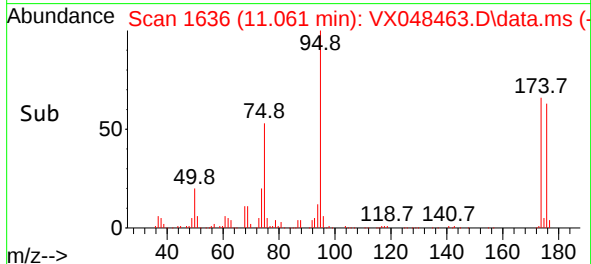
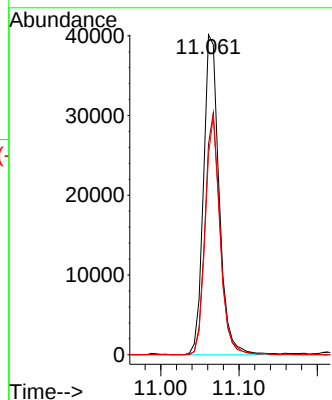
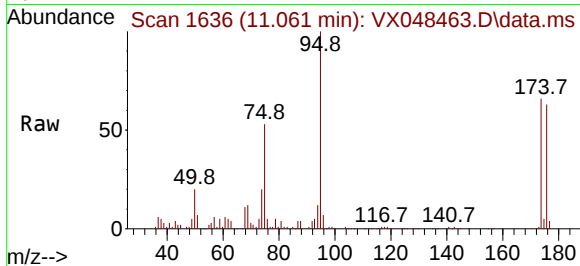




#62
4-Bromofluorobenzene
Concen: 40.782 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.000 min
Lab File: VX048463.D
Acq: 03 Nov 2025 17:24

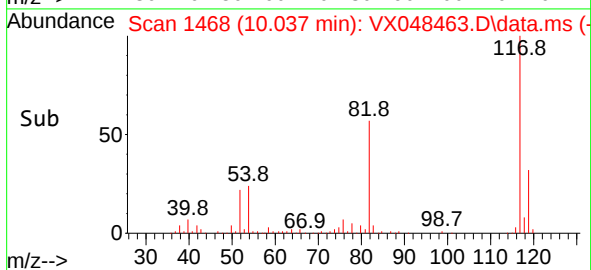
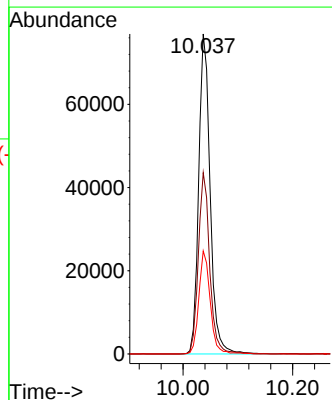
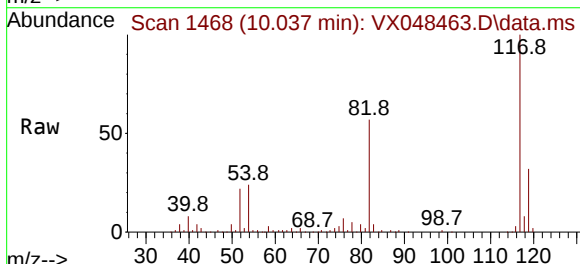
Instrument :
MSVOA_X
ClientSampleId :
463

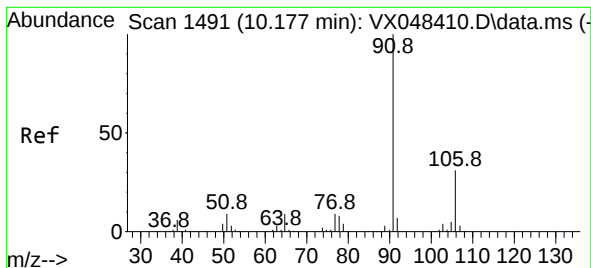
Tgt Ion: 95 Resp: 55579
Ion Ratio Lower Upper
95 100
174 72.5 0.0 147.8
176 70.0 0.0 142.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. 0.000 min
Lab File: VX048463.D
Acq: 03 Nov 2025 17:24

Tgt Ion: 117 Resp: 112042
Ion Ratio Lower Upper
117 100
82 56.6 46.5 69.7
119 32.2 25.9 38.9





#67

Ethyl Benzene

Concen: 1.020 ug/l

RT: 10.177 min Scan# 1491

Delta R.T. 0.000 min

Lab File: VX048463.D

Acq: 03 Nov 2025 17:24

Instrument :

MSVOA_X

ClientSampleId :

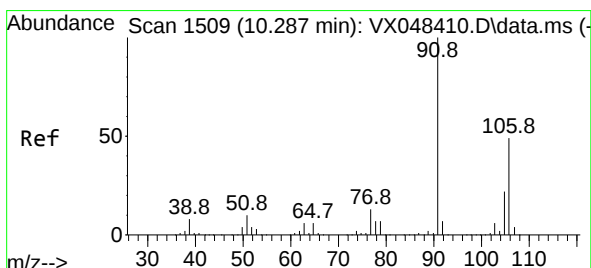
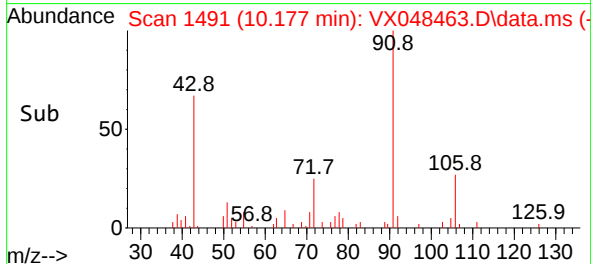
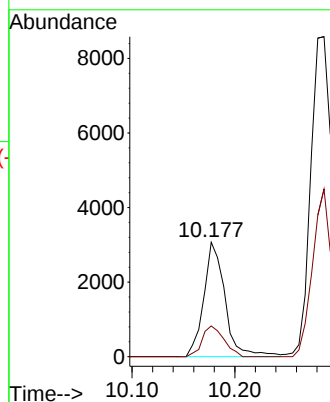
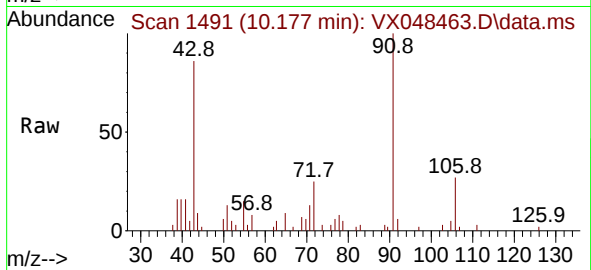
463

Tgt Ion: 91 Resp: 4431

Ion Ratio Lower Upper

91 100

106 26.8 23.8 35.6



#68

m/p-Xylenes

Concen: 3.751 ug/l

RT: 10.287 min Scan# 1509

Delta R.T. 0.000 min

Lab File: VX048463.D

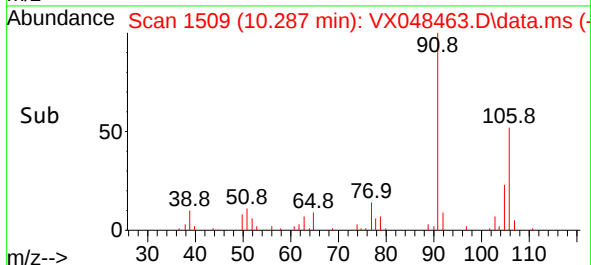
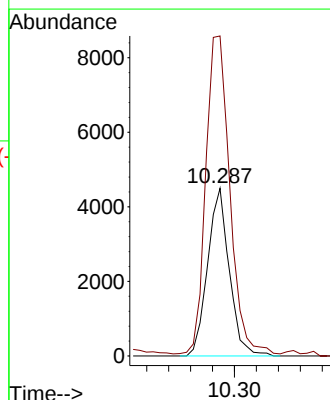
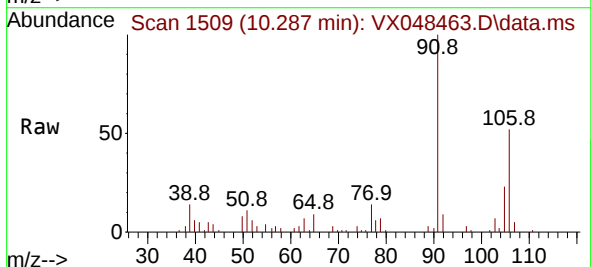
Acq: 03 Nov 2025 17:24

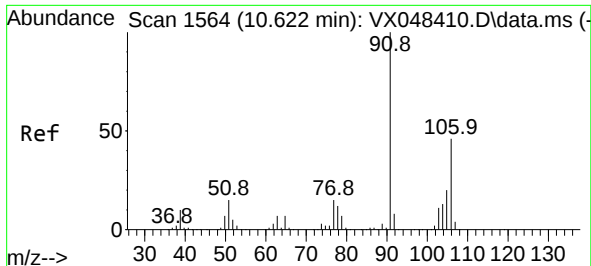
Tgt Ion: 106 Resp: 6173

Ion Ratio Lower Upper

106 100

91 210.5 167.9 251.9

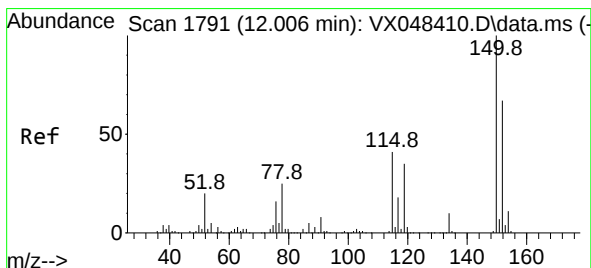
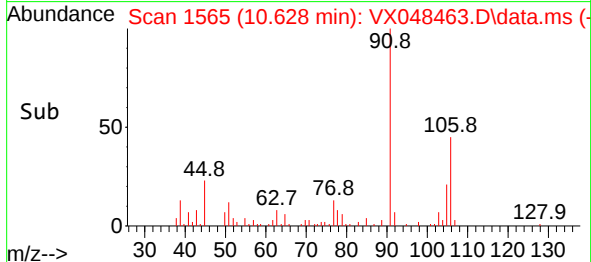
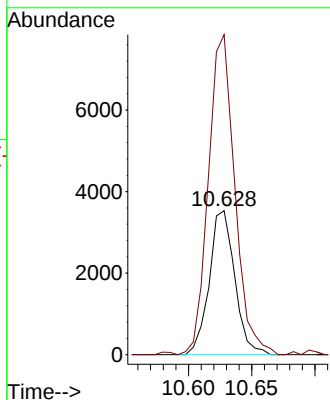
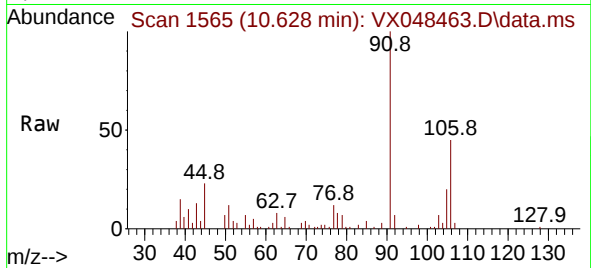




#69
o-Xylene
Concen: 3.147 ug/l
RT: 10.628 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX048463.D
Acq: 03 Nov 2025 17:24

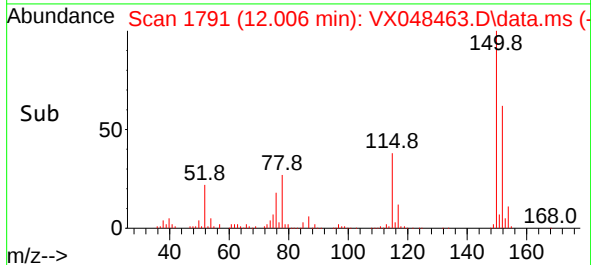
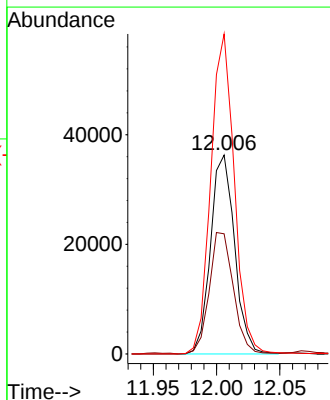
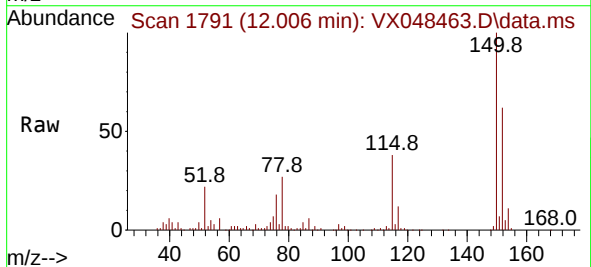
Instrument :
MSVOA_X
ClientSampleId :
463

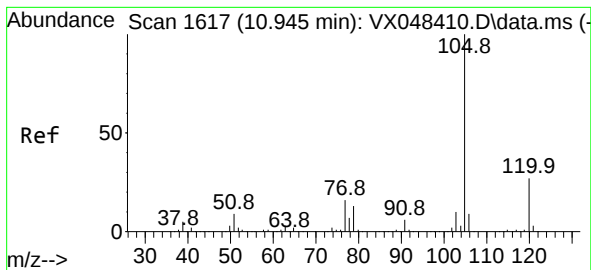
Tgt Ion:106 Resp: 4949
Ion Ratio Lower Upper
106 100
91 231.2 111.3 333.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX048463.D
Acq: 03 Nov 2025 17:24

Tgt Ion:152 Resp: 47955
Ion Ratio Lower Upper
152 100
115 61.3 43.1 129.4
150 157.5 0.0 353.0





#73

Isopropylbenzene

Concen: 0.288 ug/l

RT: 10.945 min Scan# 1617

Delta R.T. 0.000 min

Lab File: VX048463.D

Acq: 03 Nov 2025 17:24

Instrument :

MSVOA_X

ClientSampleId :

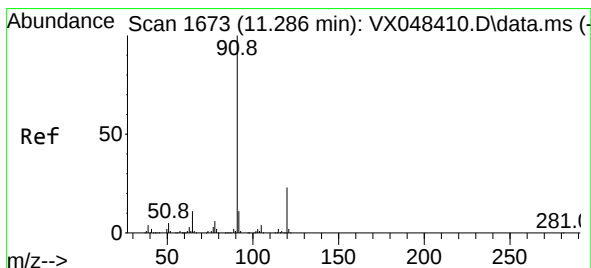
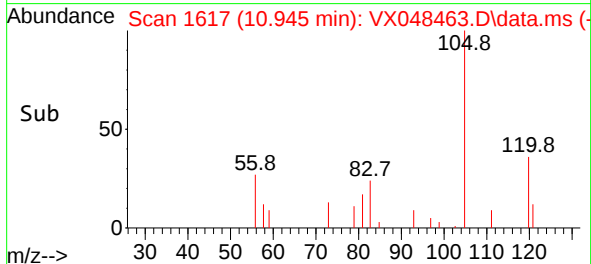
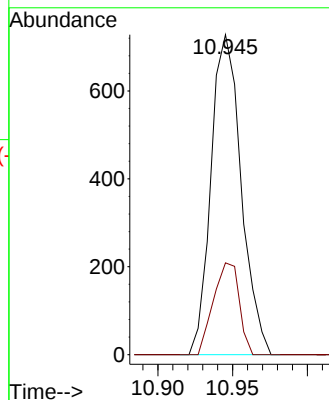
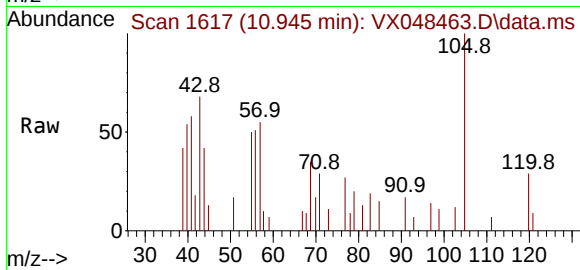
463

Tgt Ion:105 Resp: 1021

Ion Ratio Lower Upper

105 100

120 24.5 13.0 38.9



#78

n-propylbenzene

Concen: 0.732 ug/l

RT: 11.287 min Scan# 1673

Delta R.T. 0.000 min

Lab File: VX048463.D

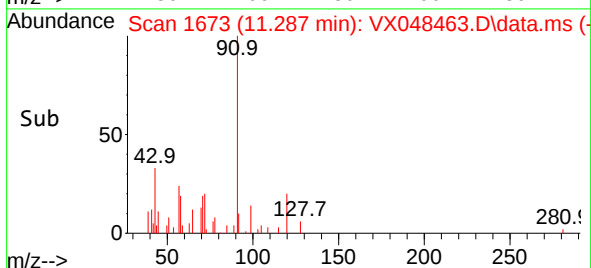
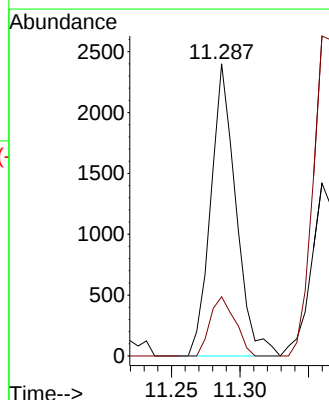
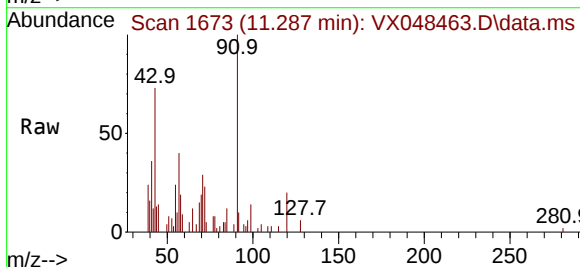
Acq: 03 Nov 2025 17:24

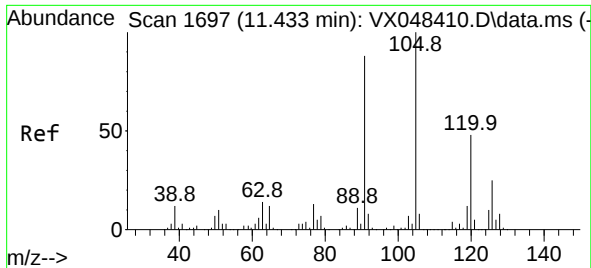
Tgt Ion: 91 Resp: 3069

Ion Ratio Lower Upper

91 100

120 20.1 11.1 33.1

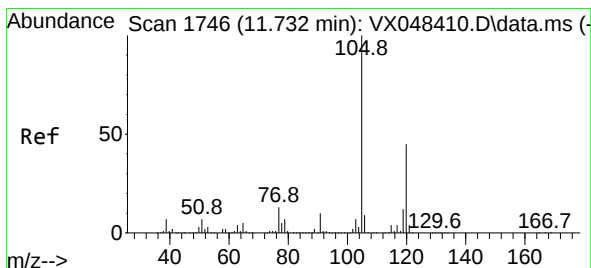
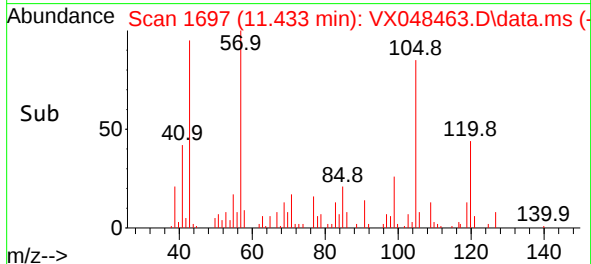
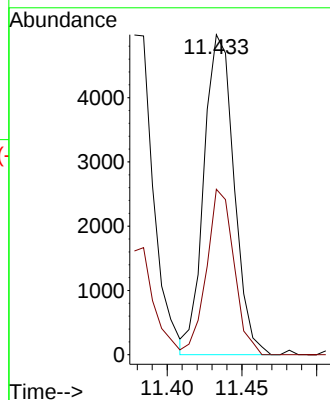
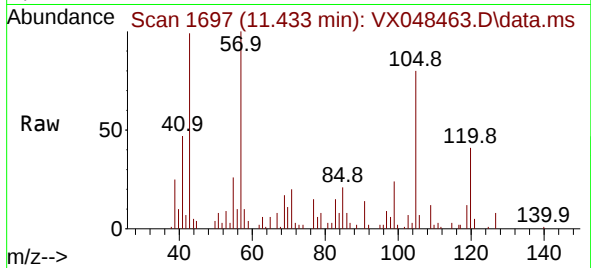




#80
1,3,5-Trimethylbenzene
Concen: 2.395 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VX048463.D
Acq: 03 Nov 2025 17:24

Instrument :
MSVOA_X
ClientSampleId :
463

Tgt Ion:105 Resp: 6964
Ion Ratio Lower Upper
105 100
120 47.3 24.0 72.0



#84
1,2,4-Trimethylbenzene
Concen: 6.995 ug/l
RT: 11.738 min Scan# 1747
Delta R.T. 0.006 min
Lab File: VX048463.D
Acq: 03 Nov 2025 17:24

Tgt Ion:105 Resp: 20137
Ion Ratio Lower Upper
105 100
120 43.0 22.1 66.5

