

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX102725\
 Data File : VX048376.D
 Acq On : 27 Oct 2025 16:45
 Operator : JC/MD
 Sample : Q3447-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 P001-TW1-251023-01

Quant Time: Oct 28 01:56:46 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102025W.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 20 14:13:59 2025
 Response via : Initial Calibration

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

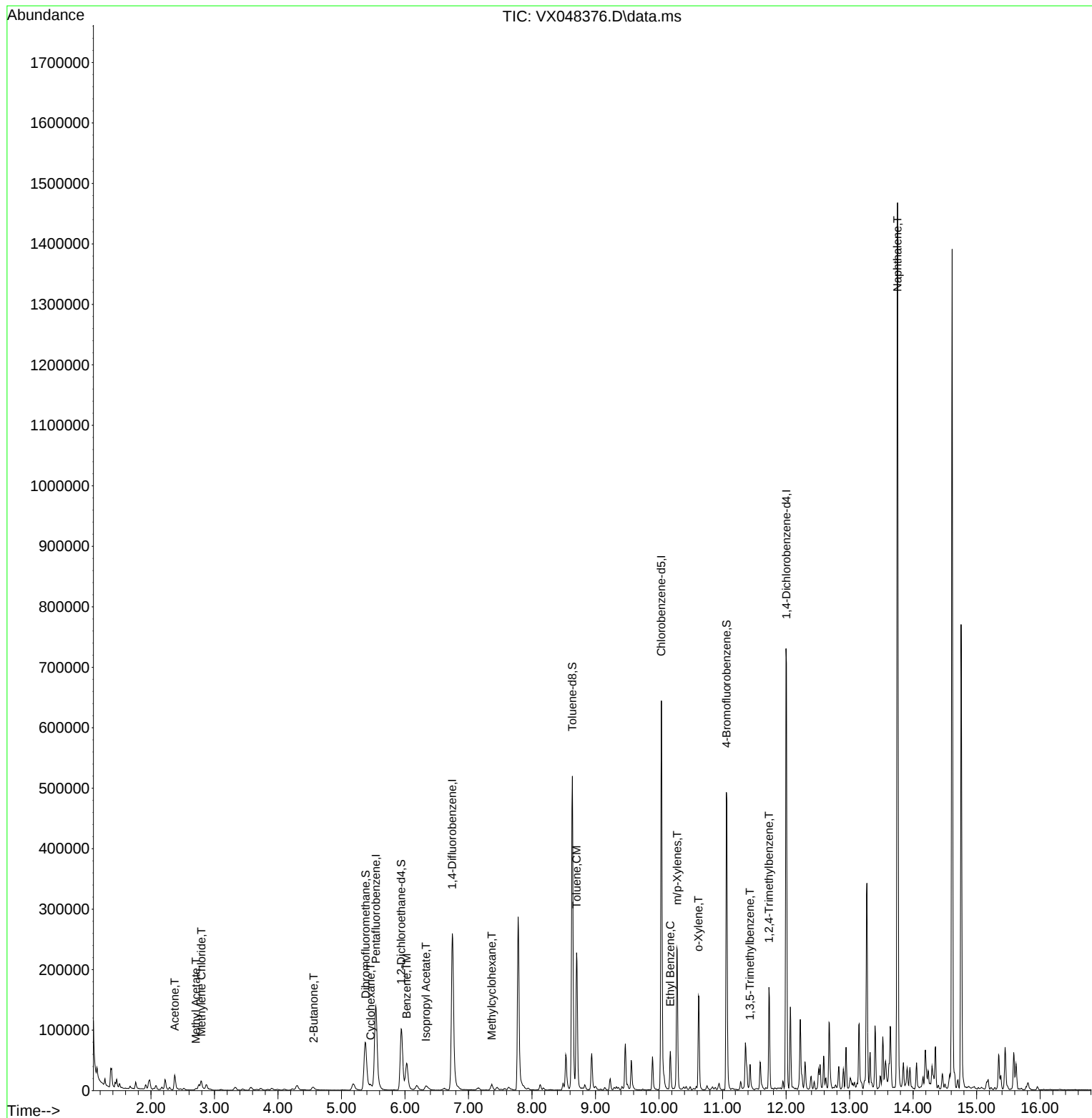
Internal Standards						
1) Pentafluorobenzene	5.544	168	137738	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	279749	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	288127	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	151406	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	113306	58.672	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 117.340%#			
35) Dibromofluoromethane	5.379	113	78712	41.214	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 82.420%			
50) Toluene-d8	8.635	98	318521	47.582	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 95.160%			
62) 4-Bromofluorobenzene	11.061	95	142005	55.762	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 111.520%			
Target Compounds					Qvalue	
16) Acetone	2.374	43	33669	50.821	ug/l	95
18) Methyl Acetate	2.709	43	2286	1.652	ug/l #	62
20) Methylene Chloride	2.794	84	7025	4.352	ug/l	93
25) 2-Butanone	4.562	43	10549	12.580	ug/l #	87
31) Cyclohexane	5.458	56	4974	2.075	ug/l	98
39) Methylcyclohexane	7.367	83	3648	1.138	ug/l	90
40) Benzene	6.025	78	54453	6.909	ug/l	96
43) Isopropyl Acetate	6.330	43	8523	2.306	ug/l #	94
52) Toluene	8.702	92	89735	17.923	ug/l	100
67) Ethyl Benzene	10.177	91	37498	3.398	ug/l	99
68) m/p-Xylenes	10.287	106	56688	13.826	ug/l	96
69) o-Xylene	10.622	106	33552	8.476	ug/l	98
80) 1,3,5-Trimethylbenzene	11.433	105	18215	1.990	ug/l	99
84) 1,2,4-Trimethylbenzene	11.732	105	74741	8.183	ug/l	99
95) Naphthalene	13.756	128	862778	98.118	ug/l	100

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

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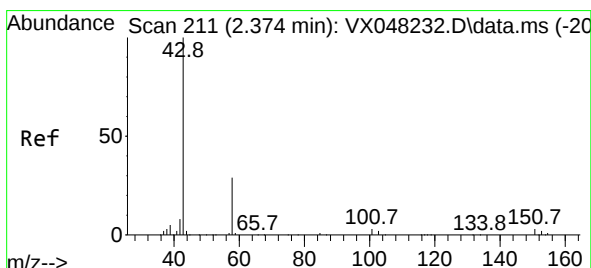
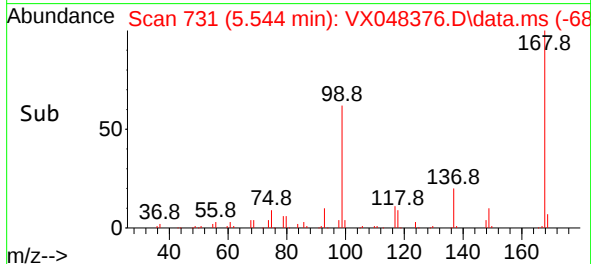
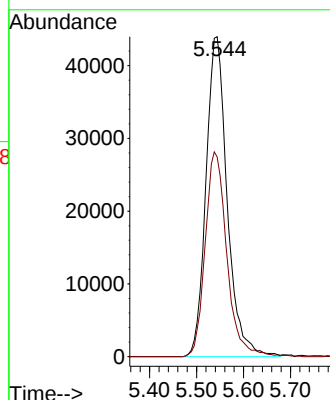
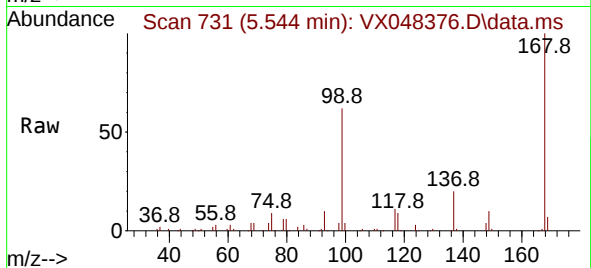




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.000 min
Lab File: VX048376.D
Acq: 27 Oct 2025 16:45

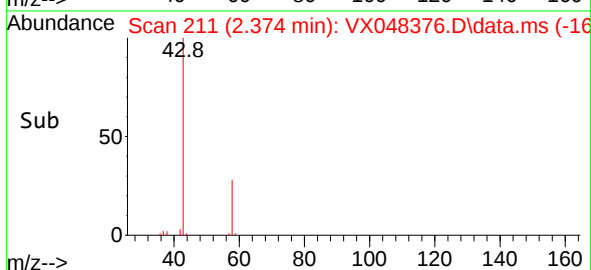
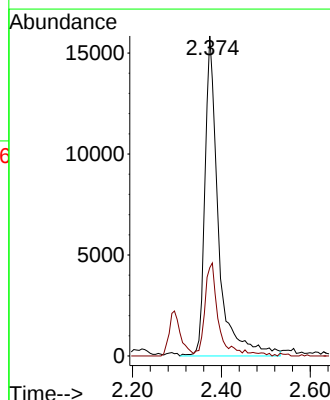
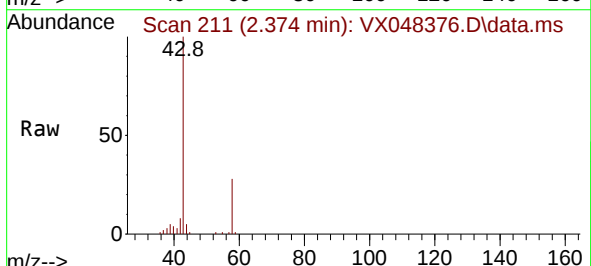
Instrument :
MSVOA_X
ClientSampleId :
P001-TW1-251023-01

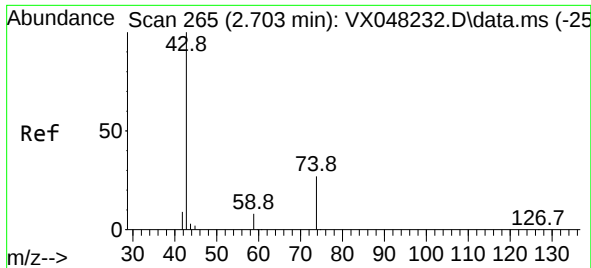
Tgt Ion:168 Resp: 137738
Ion Ratio Lower Upper
168 100
99 62.4 46.4 69.6



#16
Acetone
Concen: 50.821 ug/l
RT: 2.374 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX048376.D
Acq: 27 Oct 2025 16:45

Tgt Ion: 43 Resp: 33669
Ion Ratio Lower Upper
43 100
58 26.8 23.4 35.2

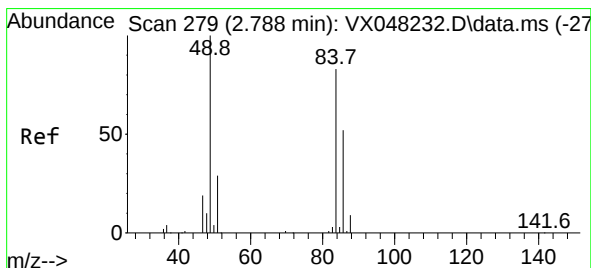
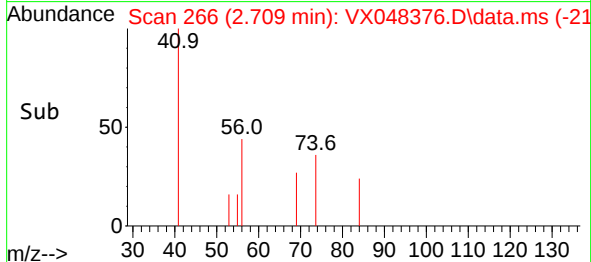
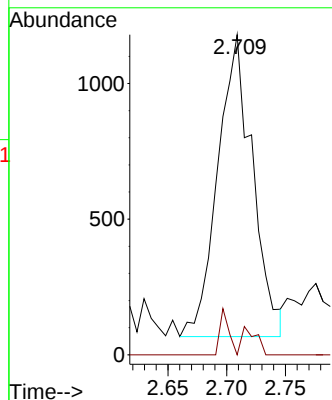
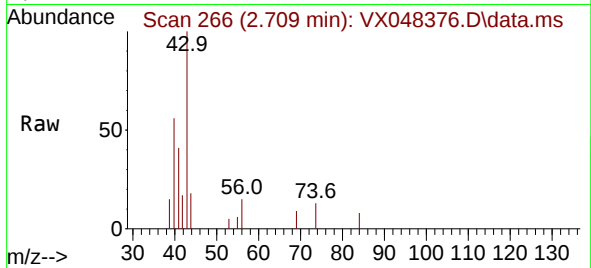




#18
Methyl Acetate
Concen: 1.652 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.012 min
Lab File: VX048376.D
Acq: 27 Oct 2025 16:45

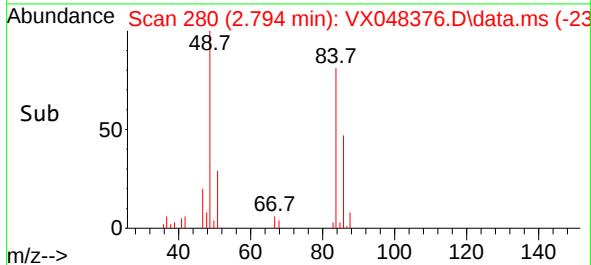
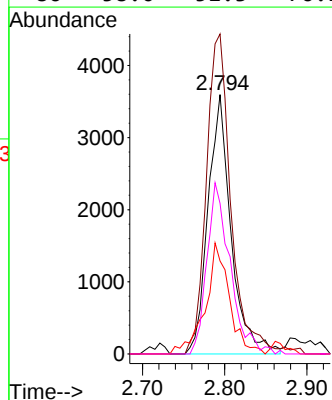
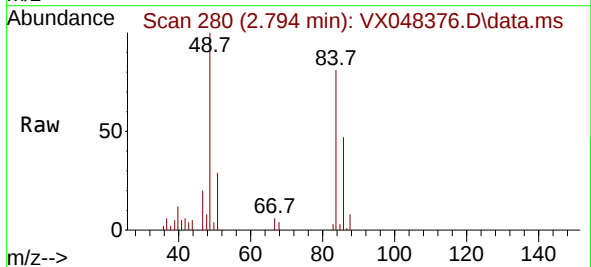
Instrument :
MSVOA_X
ClientSampleId :
P001-TW1-251023-01

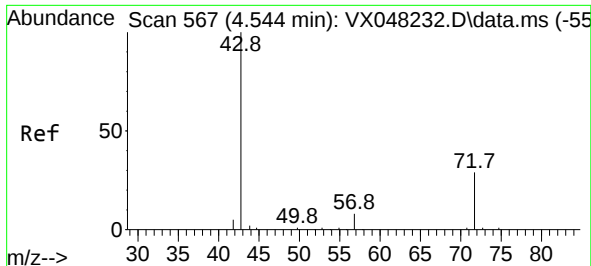
Tgt Ion: 43 Resp: 2286
Ion Ratio Lower Upper
43 100
74 3.9 17.5 26.3#



#20
Methylene Chloride
Concen: 4.352 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX048376.D
Acq: 27 Oct 2025 16:45

Tgt Ion: 84 Resp: 7025
Ion Ratio Lower Upper
84 100
49 123.4 104.1 156.1
51 33.6 31.3 46.9
86 58.0 51.3 76.9

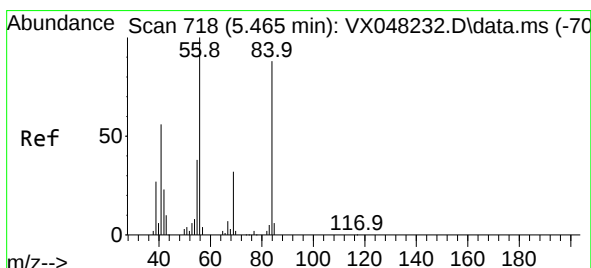
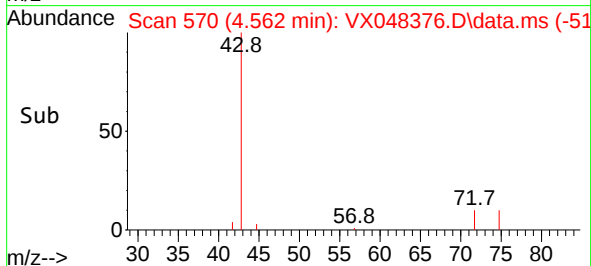
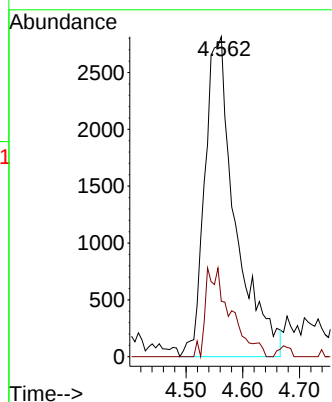
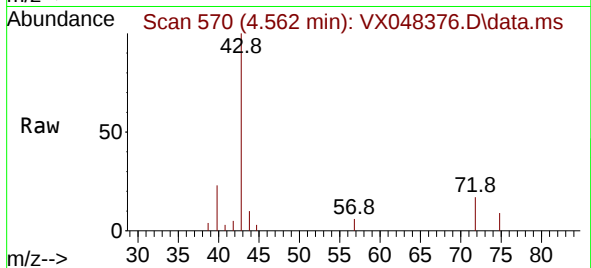




#25
2-Butanone
Concen: 12.580 ug/l
RT: 4.562 min Scan# 51
Delta R.T. 0.024 min
Lab File: VX048376.D
Acq: 27 Oct 2025 16:45

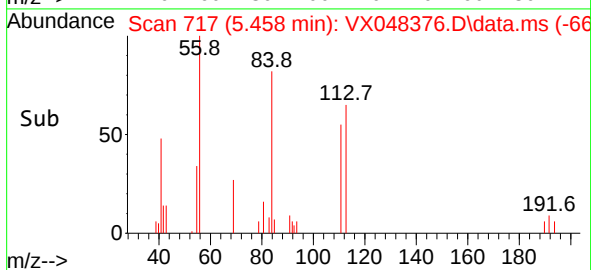
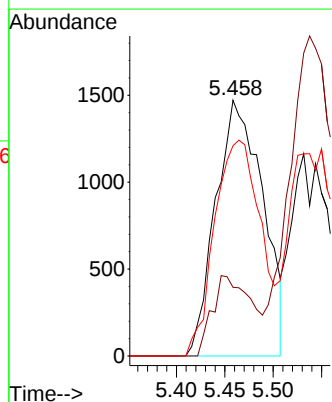
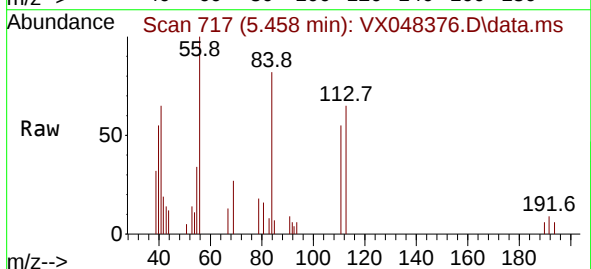
Instrument :
MSVOA_X
ClientSampleId :
P001-TW1-251023-01

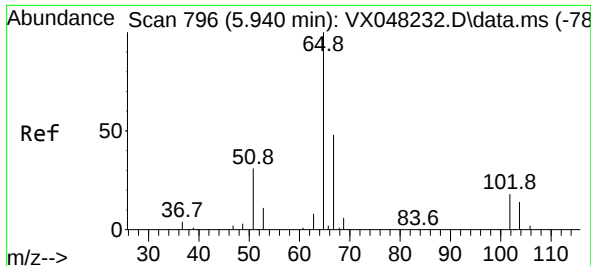
Tgt Ion: 43 Resp: 10549
Ion Ratio Lower Upper
43 100
72 18.6 19.9 29.9#



#31
Cyclohexane
Concen: 2.075 ug/l
RT: 5.458 min Scan# 717
Delta R.T. 0.000 min
Lab File: VX048376.D
Acq: 27 Oct 2025 16:45

Tgt Ion: 56 Resp: 4974
Ion Ratio Lower Upper
56 100
69 26.9 23.0 34.6
84 82.3 64.6 97.0

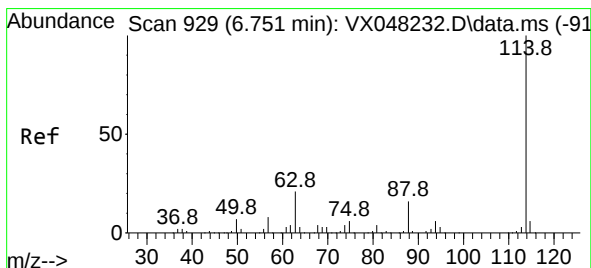
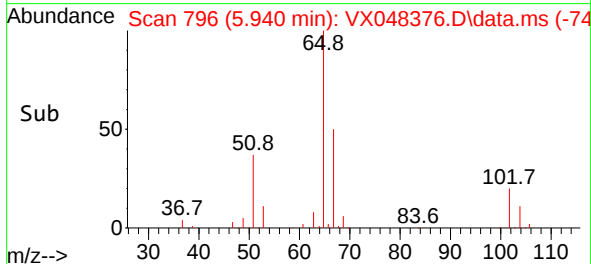
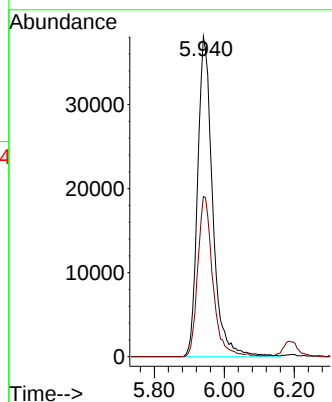
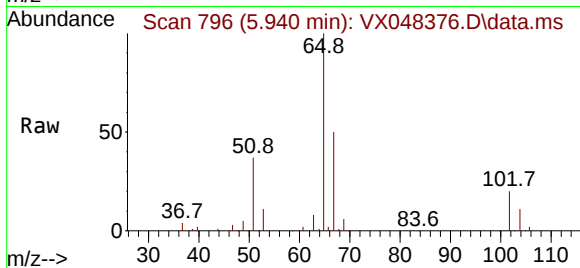




#33
 1,2-Dichloroethane-d4
 Concen: 58.672 ug/l
 RT: 5.940 min Scan# 796
 Delta R.T. 0.000 min
 Lab File: VX048376.D
 Acq: 27 Oct 2025 16:45

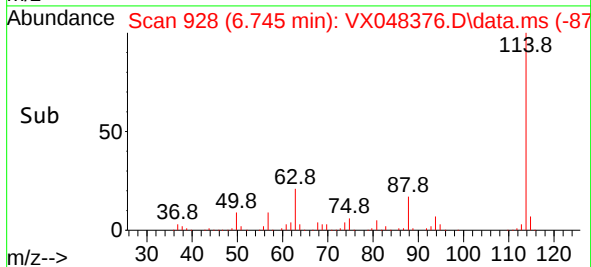
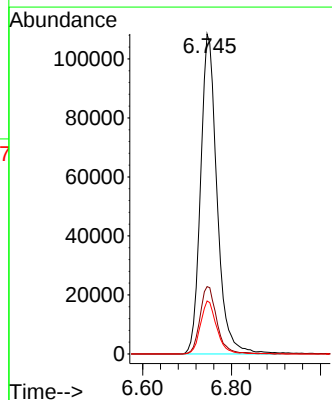
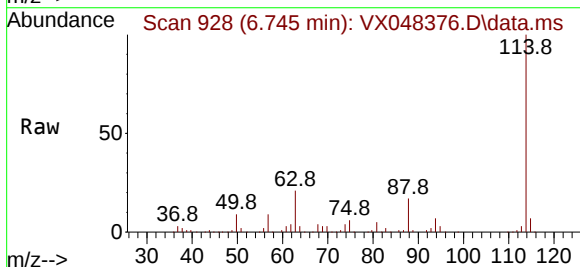
Instrument :
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 ClientSampleId :
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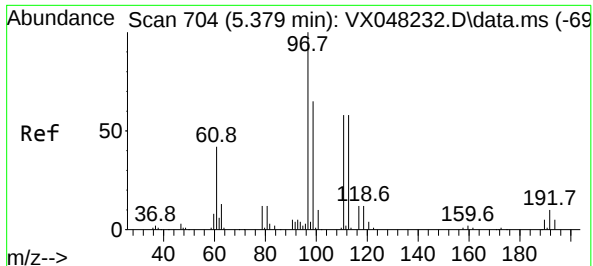
Tgt Ion: 65 Resp: 113306
 Ion Ratio Lower Upper
 65 100
 67 49.8 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.745 min Scan# 928
 Delta R.T. -0.000 min
 Lab File: VX048376.D
 Acq: 27 Oct 2025 16:45

Tgt Ion: 114 Resp: 279749
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 43.2
 88 16.6 0.0 33.6

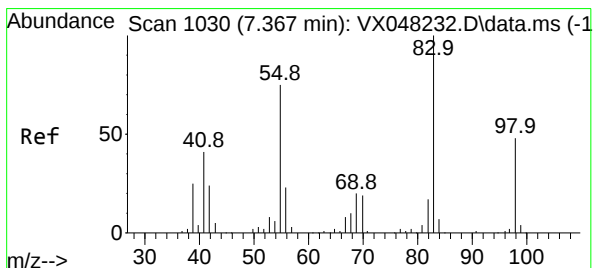
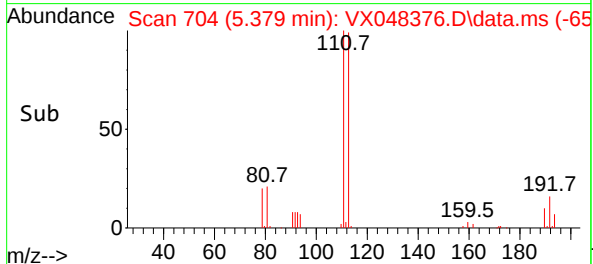
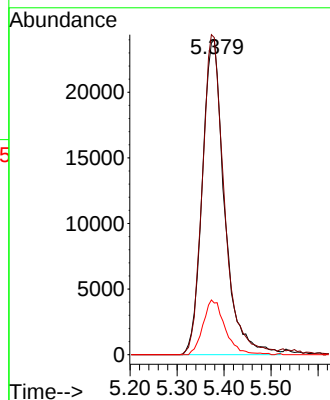
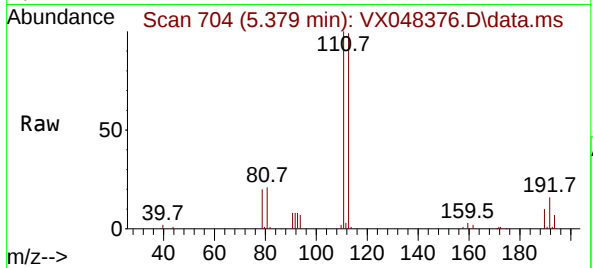




#35
Dibromofluoromethane
Concen: 41.214 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX048376.D
Acq: 27 Oct 2025 16:45

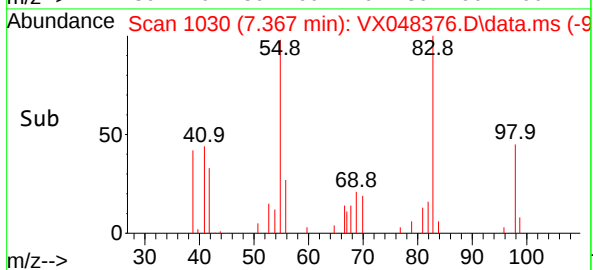
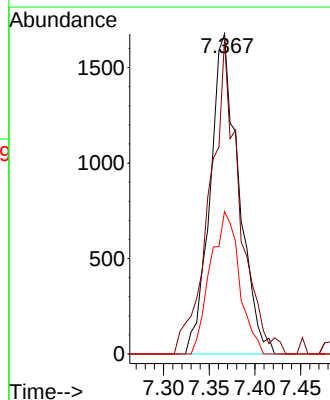
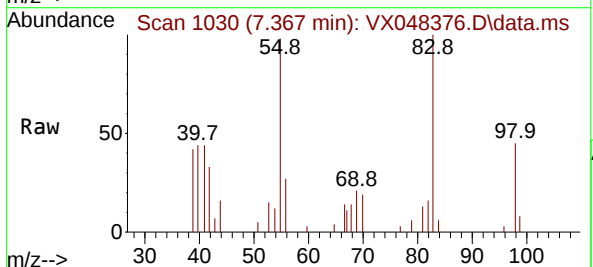
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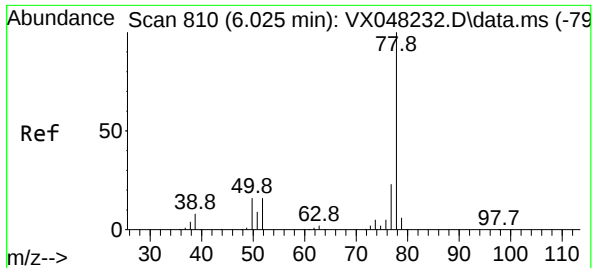
Tgt Ion:113 Resp: 78712
Ion Ratio Lower Upper
113 100
111 100.6 82.2 123.4
192 17.3 15.1 22.7



#39
Methylcyclohexane
Concen: 1.138 ug/l
RT: 7.367 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VX048376.D
Acq: 27 Oct 2025 16:45

Tgt Ion: 83 Resp: 3648
Ion Ratio Lower Upper
83 100
55 94.6 66.2 99.2
98 52.1 38.9 58.3

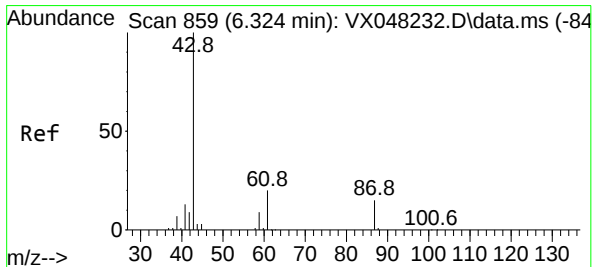
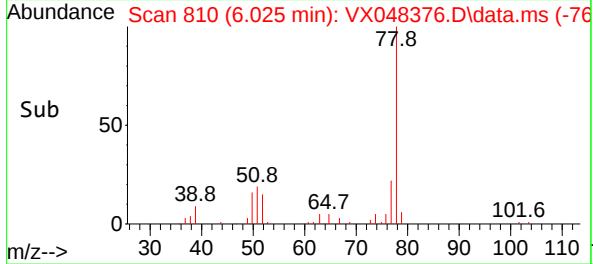
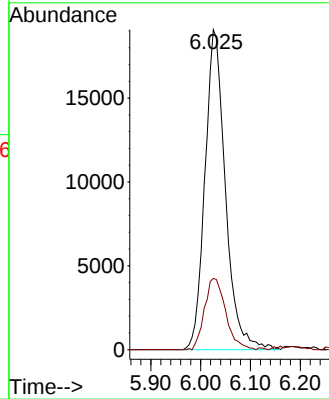
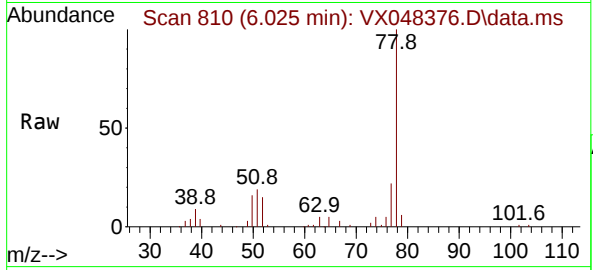




#40
Benzene
Concen: 6.909 ug/l
RT: 6.025 min Scan# 810
Delta R.T. 0.000 min
Lab File: VX048376.D
Acq: 27 Oct 2025 16:45

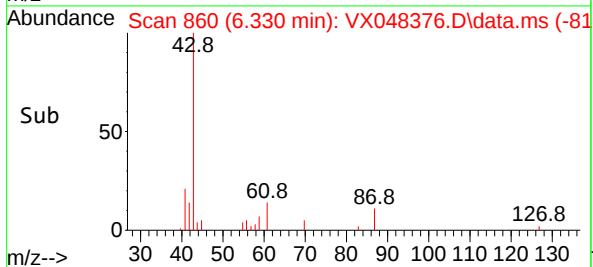
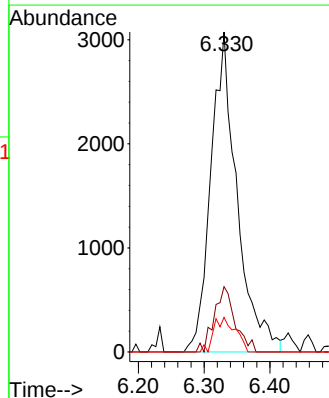
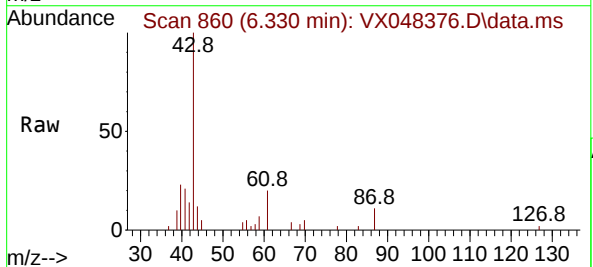
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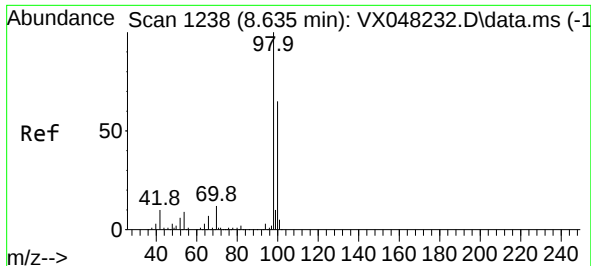
Tgt Ion: 78 Resp: 54453
Ion Ratio Lower Upper
78 100
77 22.2 19.3 28.9



#43
Isopropyl Acetate
Concen: 2.306 ug/l
RT: 6.330 min Scan# 860
Delta R.T. 0.006 min
Lab File: VX048376.D
Acq: 27 Oct 2025 16:45

Tgt Ion: 43 Resp: 8523
Ion Ratio Lower Upper
43 100
61 16.3 14.9 22.3
87 8.9 9.4 14.2#

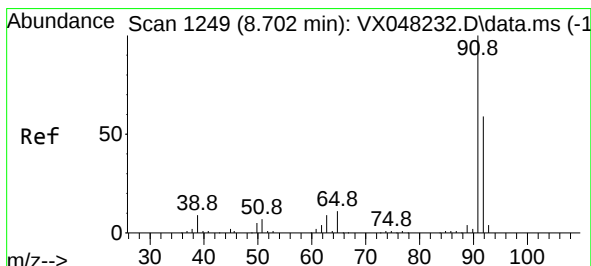
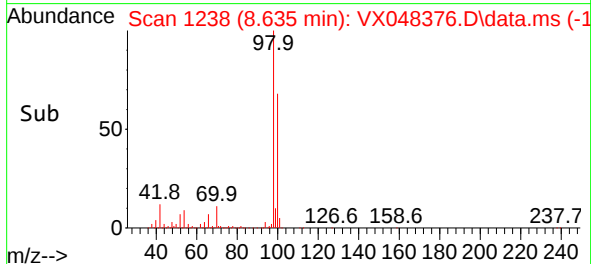
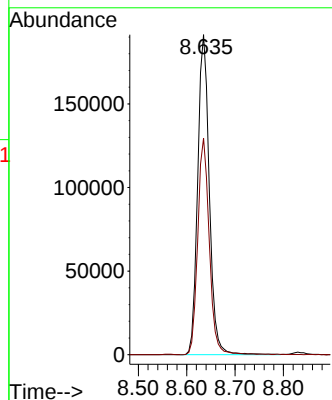
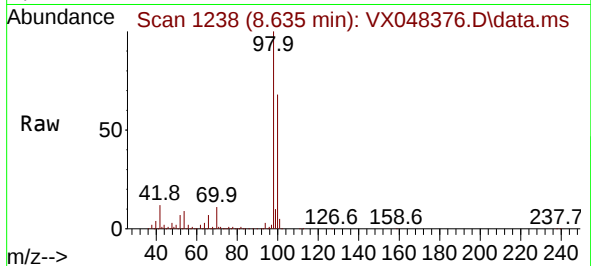




#50
Toluene-d8
Concen: 47.582 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VX048376.D
Acq: 27 Oct 2025 16:45

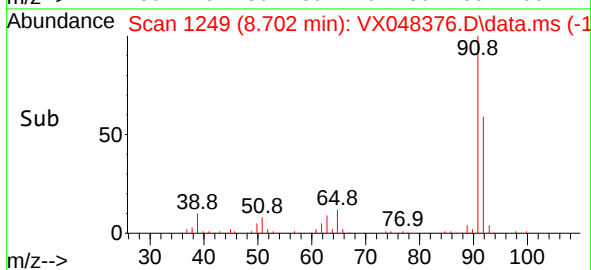
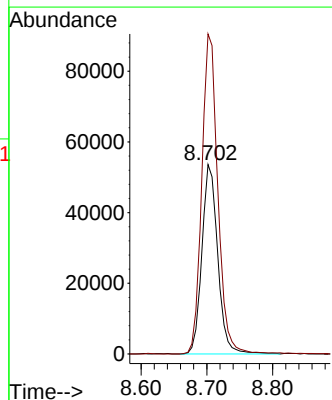
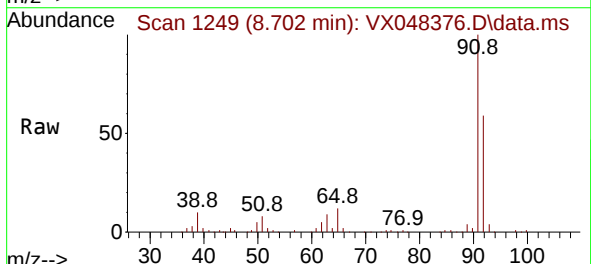
Instrument :
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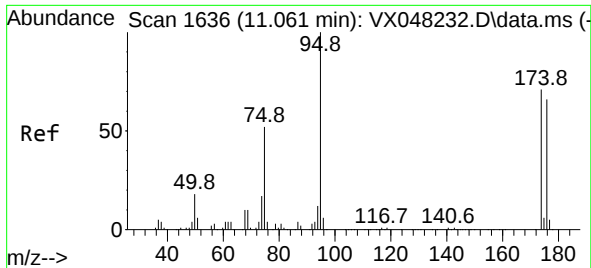
Tgt Ion: 98 Resp: 318521
Ion Ratio Lower Upper
98 100
100 67.2 53.0 79.4



#52
Toluene
Concen: 17.923 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. 0.000 min
Lab File: VX048376.D
Acq: 27 Oct 2025 16:45

Tgt Ion: 92 Resp: 89735
Ion Ratio Lower Upper
92 100
91 170.7 136.1 204.1

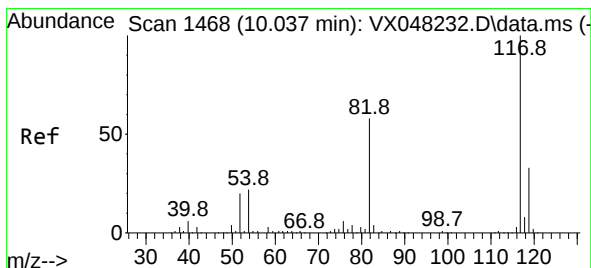
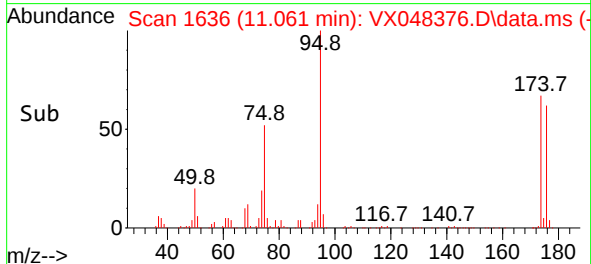
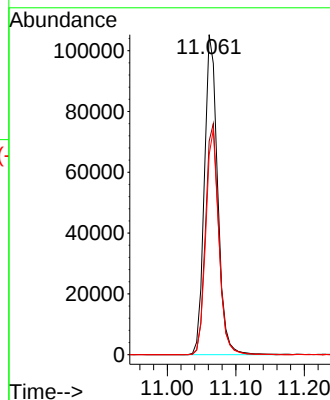
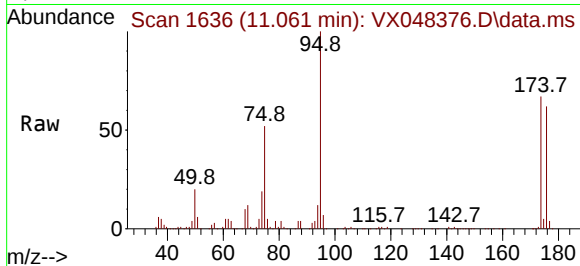




#62
4-Bromofluorobenzene
Concen: 55.762 ug/l
RT: 11.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048376.D
Acq: 27 Oct 2025 16:45

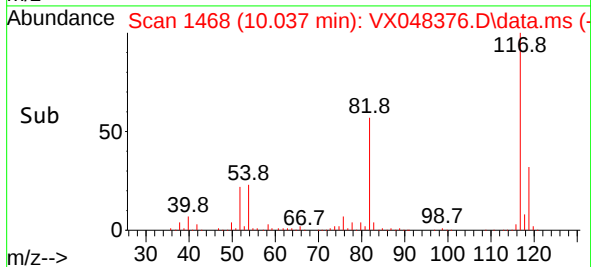
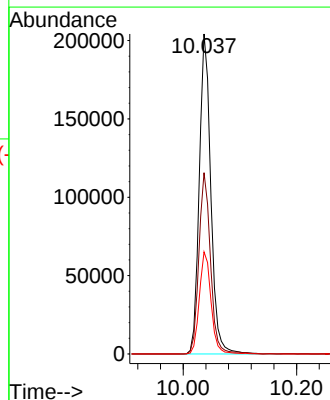
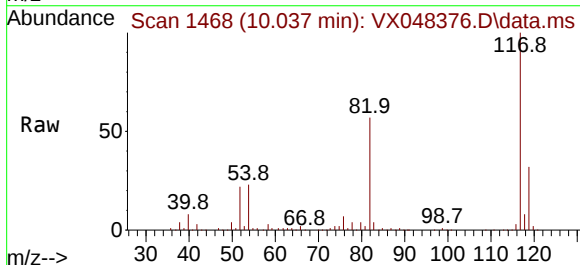
Instrument :
MSVOA_X
ClientSampleId :
P001-TW1-251023-01

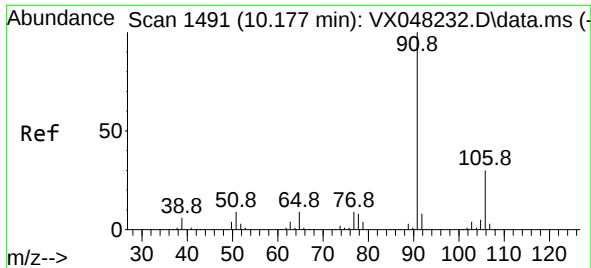
Tgt Ion: 95 Resp: 142005
Ion Ratio Lower Upper
95 100
174 72.4 0.0 147.8
176 69.4 0.0 142.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. 0.000 min
Lab File: VX048376.D
Acq: 27 Oct 2025 16:45

Tgt Ion: 117 Resp: 288127
Ion Ratio Lower Upper
117 100
82 56.6 46.5 69.7
119 31.9 25.9 38.9





#67

Ethyl Benzene

Concen: 3.398 ug/l

RT: 10.177 min Scan# 1491

Delta R.T. 0.000 min

Lab File: VX048376.D

Acq: 27 Oct 2025 16:45

Instrument :

MSVOA_X

ClientSampleId :

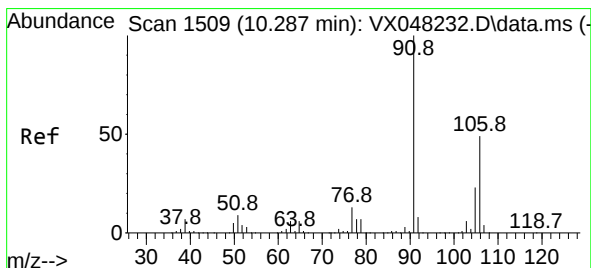
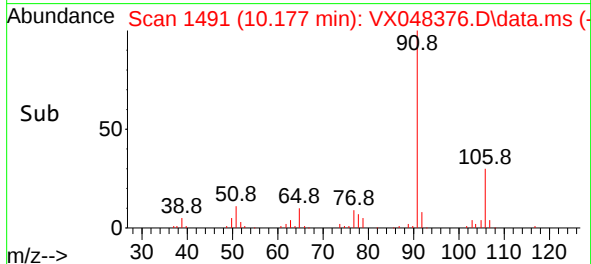
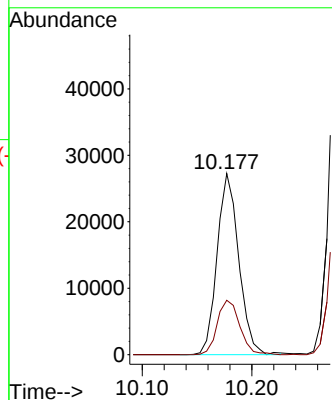
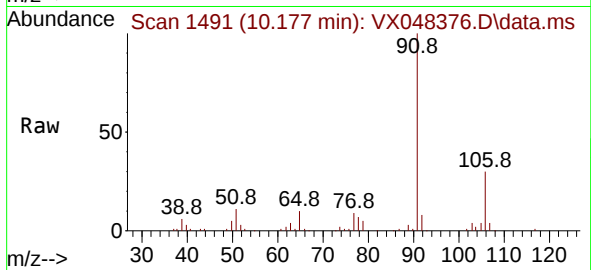
P001-TW1-251023-01

Tgt Ion: 91 Resp: 37498

Ion Ratio Lower Upper

91 100

106 30.0 23.8 35.6



#68

m/p-Xylenes

Concen: 13.826 ug/l

RT: 10.287 min Scan# 1509

Delta R.T. 0.000 min

Lab File: VX048376.D

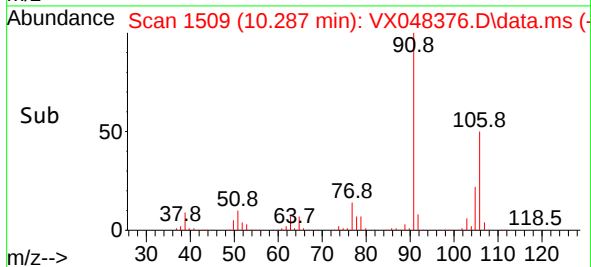
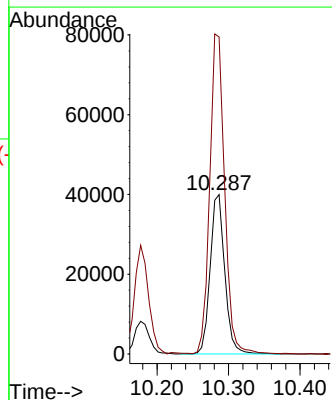
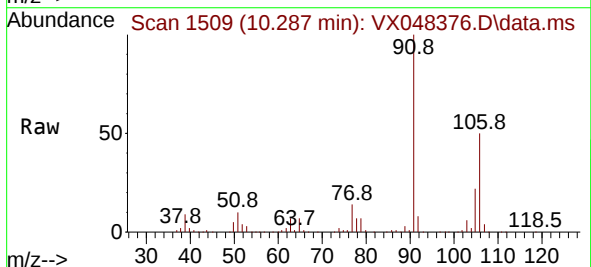
Acq: 27 Oct 2025 16:45

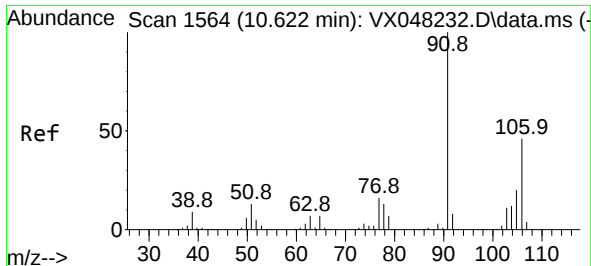
Tgt Ion:106 Resp: 56688

Ion Ratio Lower Upper

106 100

91 204.2 167.9 251.9

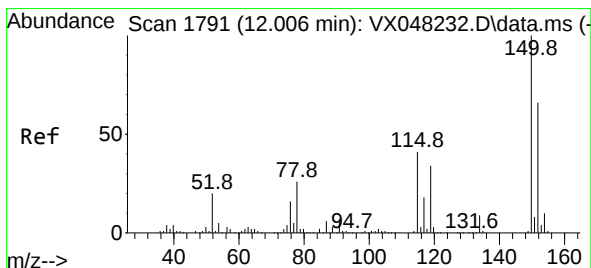
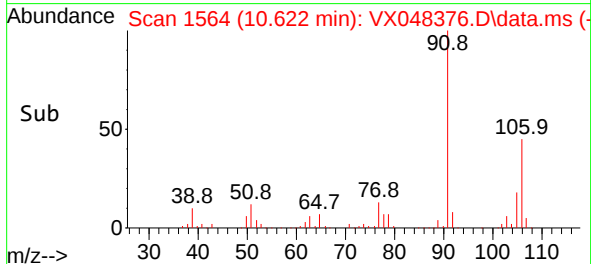
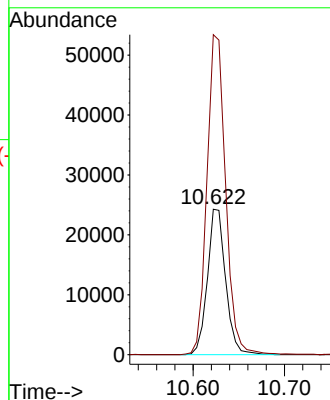
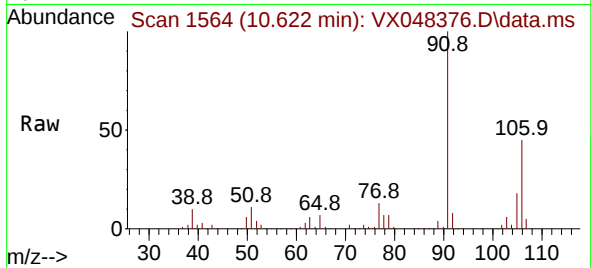




#69
o-Xylene
Concen: 8.476 ug/l
RT: 10.622 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX048376.D
Acq: 27 Oct 2025 16:45

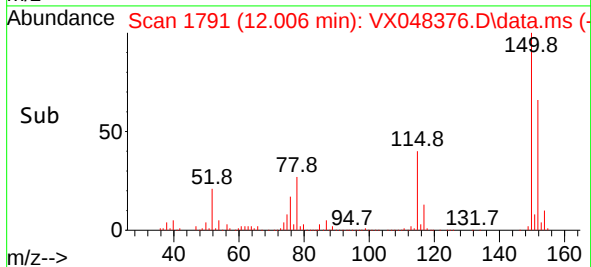
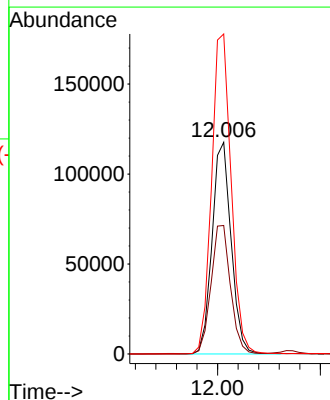
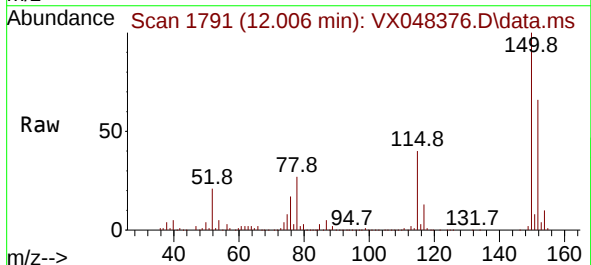
Instrument :
MSVOA_X
ClientSampleId :
P001-TW1-251023-01

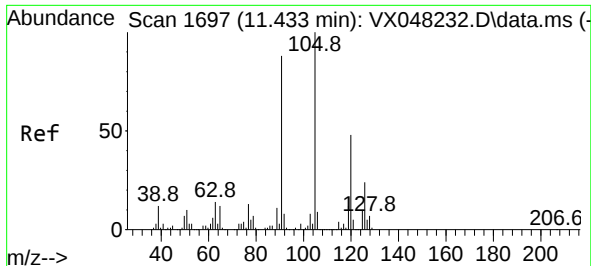
Tgt Ion:106 Resp: 33552
Ion Ratio Lower Upper
106 100
91 225.8 111.3 333.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX048376.D
Acq: 27 Oct 2025 16:45

Tgt Ion:152 Resp: 151406
Ion Ratio Lower Upper
152 100
115 61.7 43.1 129.4
150 155.4 0.0 353.0

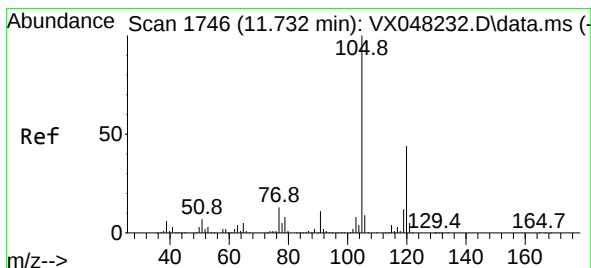
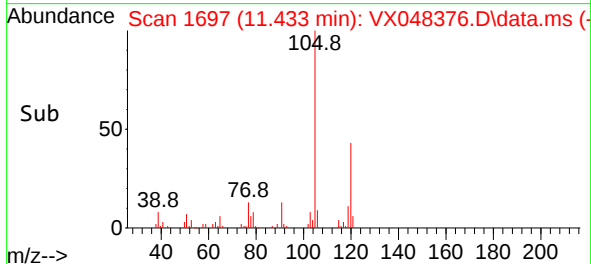
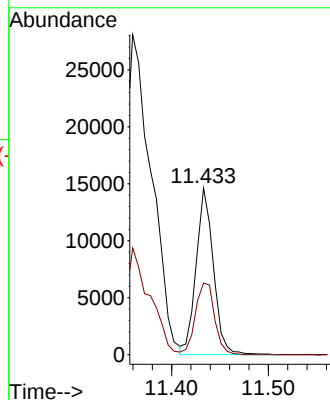
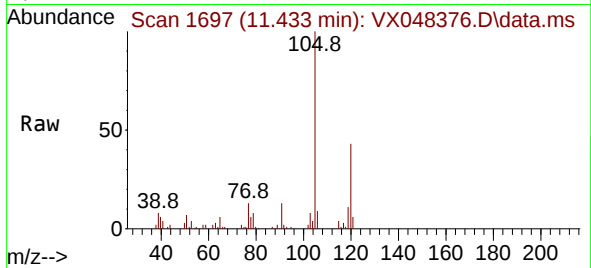




#80
1,3,5-Trimethylbenzene
Concen: 1.990 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. 0.000 min
Lab File: VX048376.D
Acq: 27 Oct 2025 16:45

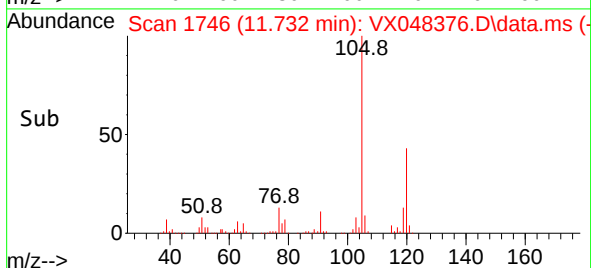
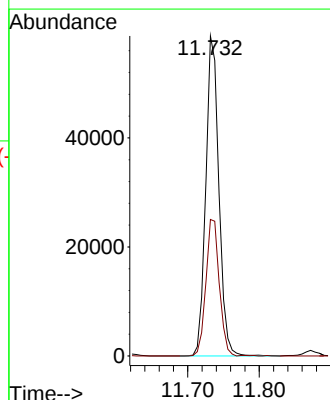
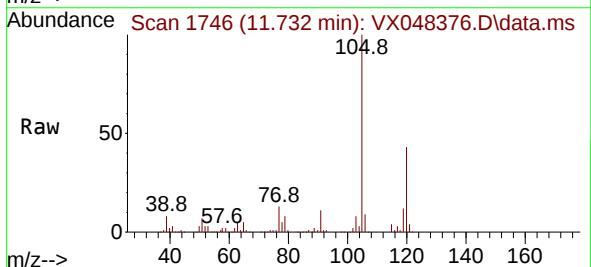
Instrument :
MSVOA_X
ClientSampleId :
P001-TW1-251023-01

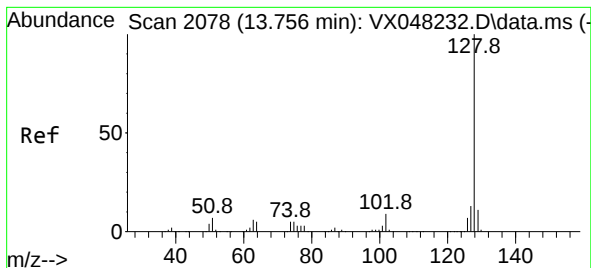
Tgt Ion:105 Resp: 18215
Ion Ratio Lower Upper
105 100
120 47.6 24.0 72.0



#84
1,2,4-Trimethylbenzene
Concen: 8.183 ug/l
RT: 11.732 min Scan# 1746
Delta R.T. 0.000 min
Lab File: VX048376.D
Acq: 27 Oct 2025 16:45

Tgt Ion:105 Resp: 74741
Ion Ratio Lower Upper
105 100
120 43.7 22.1 66.5





#95

Naphthalene

Concen: 98.118 ug/l

RT: 13.756 min Scan# 2078

Delta R.T. 0.000 min

Lab File: VX048376.D

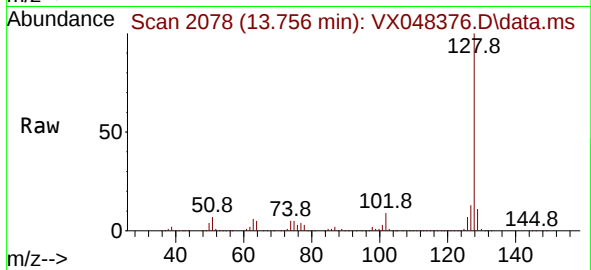
Acq: 27 Oct 2025 16:45

Instrument :

MSVOA_X

ClientSampleId :

P001-TW1-251023-01



Tgt Ion:128 Resp: 862778

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.4

129 11.0 8.6 12.8

