

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111125\
 Data File : VY023735.D
 Acq On : 11 Nov 2025 13:17
 Operator : SY/MD
 Sample : Q3593-09
 Misc : 5.82g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 C-LAW-25-0156-0166-COMP

Quant Time: Nov 12 03:36:00 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:12:50 2025
 Response via : Initial Calibration

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

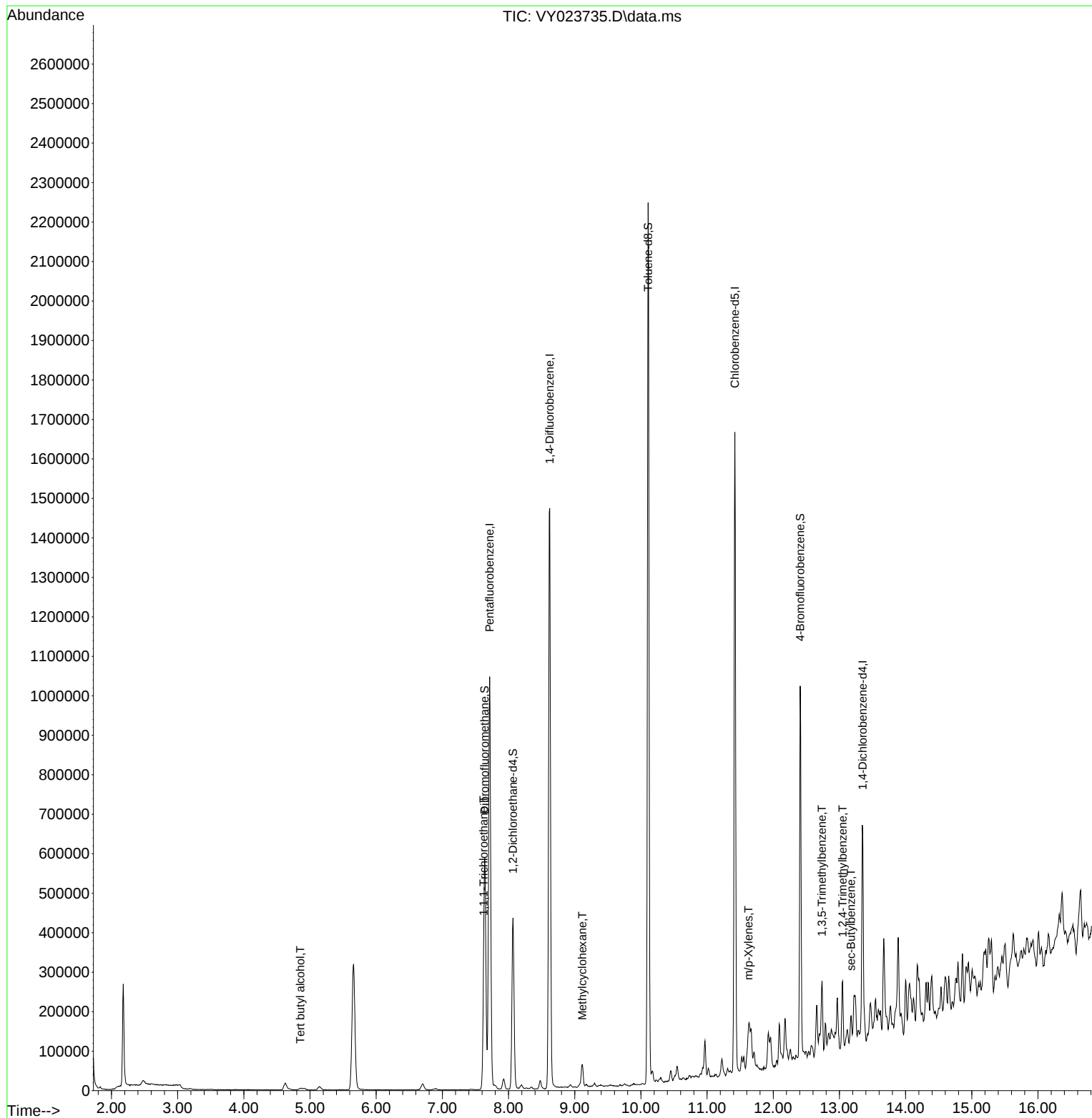
Internal Standards						
1) Pentafluorobenzene	7.713	168	862074	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	1375358	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	927157	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	158147	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	338889	47.011	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.020%
35) Dibromofluoromethane	7.640	113	405209	47.948	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.900%
50) Toluene-d8	10.109	98	1470881	46.736	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	93.480%
62) 4-Bromofluorobenzene	12.408	95	279484	26.898	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	53.800%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.854	59	8026	14.966	ug/l #	88
32) 1,1,1-Trichloroethane	7.622	97	39349	2.870	ug/l	99
39) Methylcyclohexane	9.116	83	24469	1.680	ug/l	96
68) m/p-Xylenes	11.627	106	30723	2.347	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	35879	4.260	ug/l	99
84) 1,2,4-Trimethylbenzene	13.048	105	89285	10.623	ug/l	100
85) sec-Butylbenzene	13.176	105	27354	2.452	ug/l	83

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

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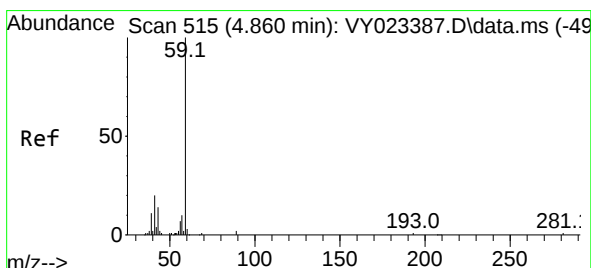
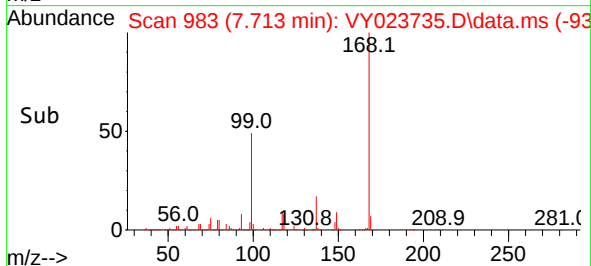
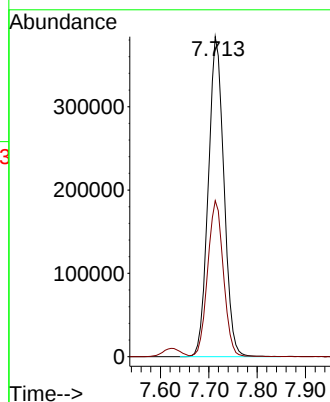
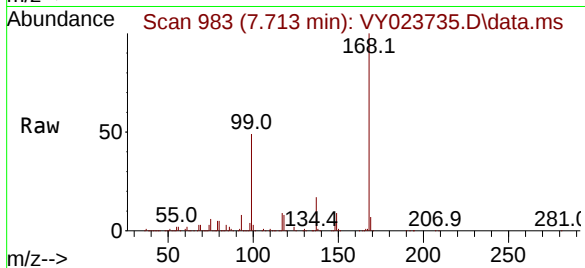




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023735.D
Acq: 11 Nov 2025 13:17

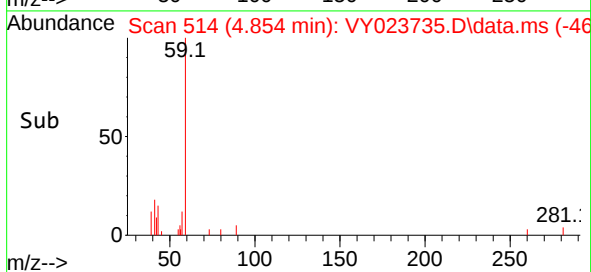
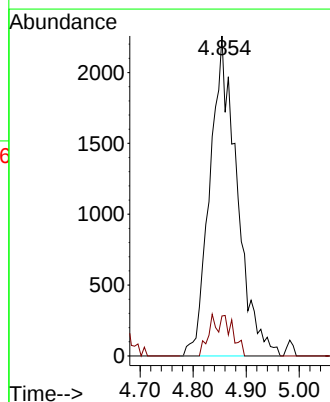
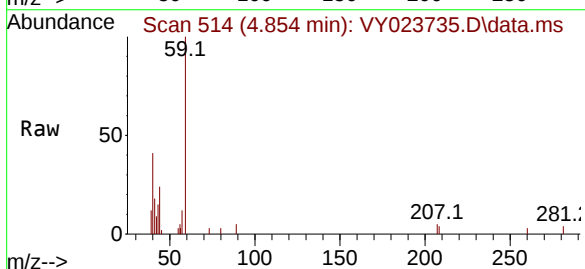
Instrument :
MSVOA_Y
ClientSampleId :
C-LAW-25-0156-0166-COMP

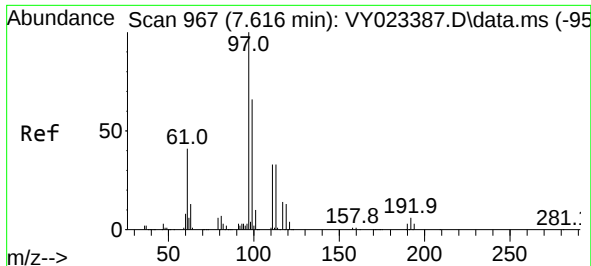
Tgt Ion:168 Resp: 862074
Ion Ratio Lower Upper
168 100
99 48.7 39.7 59.5



#11
Tert butyl alcohol
Concen: 14.966 ug/l
RT: 4.854 min Scan# 514
Delta R.T. -0.006 min
Lab File: VY023735.D
Acq: 11 Nov 2025 13:17

Tgt Ion: 59 Resp: 8026
Ion Ratio Lower Upper
59 100
57 5.8 8.3 12.5#

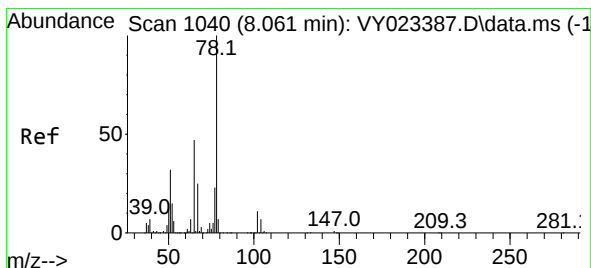
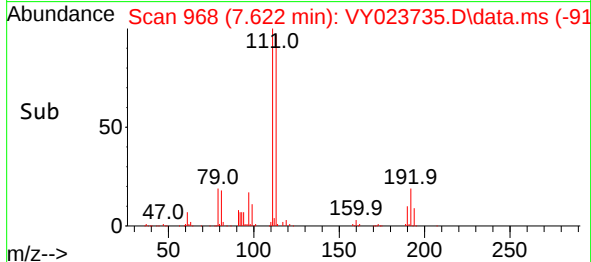
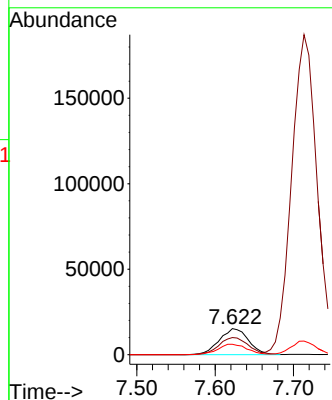
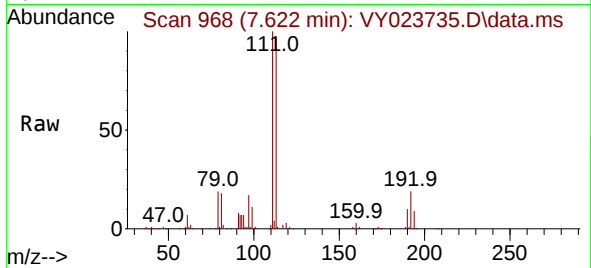




#32
1,1,1-Trichloroethane
Concen: 2.870 ug/l
RT: 7.622 min Scan# 90
Delta R.T. 0.006 min
Lab File: VY023735.D
Acq: 11 Nov 2025 13:17

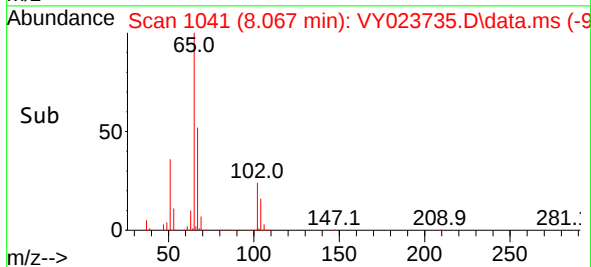
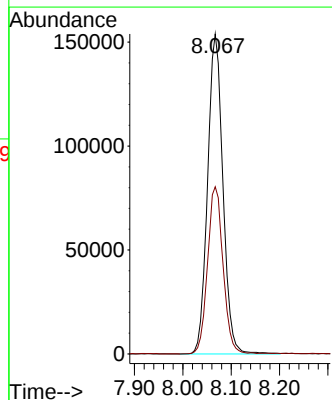
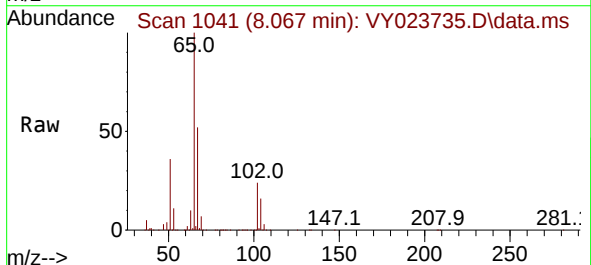
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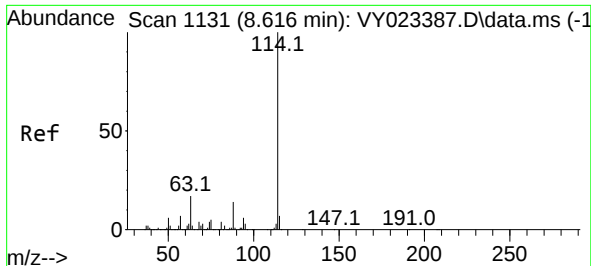
Tgt Ion: 97 Resp: 39349
Ion Ratio Lower Upper
97 100
99 65.1 51.4 77.2
61 40.5 31.9 47.9



#33
1,2-Dichloroethane-d4
Concen: 47.011 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY023735.D
Acq: 11 Nov 2025 13:17

Tgt Ion: 65 Resp: 338889
Ion Ratio Lower Upper
65 100
67 53.0 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VY023735.D

Acq: 11 Nov 2025 13:17

Instrument :

MSVOA_Y

ClientSampleId :

C-LAW-25-0156-0166-COMP

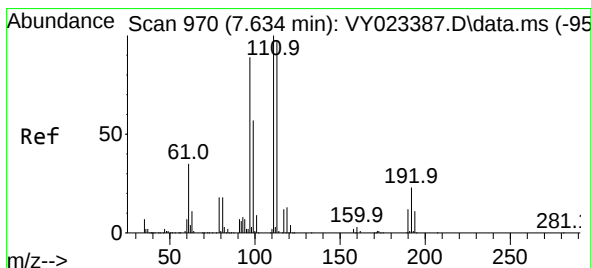
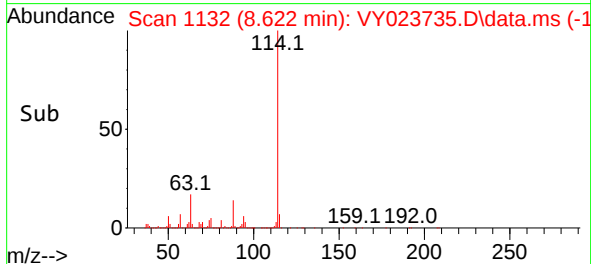
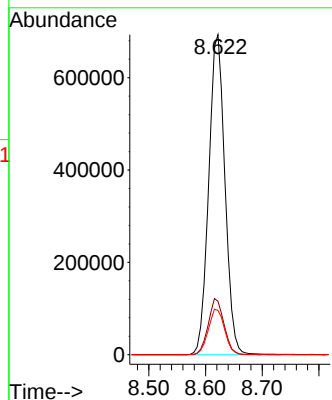
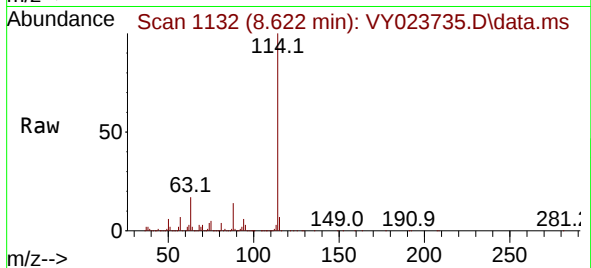
Tgt Ion:114 Resp: 1375358

Ion Ratio Lower Upper

114 100

63 16.7 0.0 34.2

88 13.9 0.0 28.4



#35

Dibromofluoromethane

Concen: 47.948 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.006 min

Lab File: VY023735.D

Acq: 11 Nov 2025 13:17

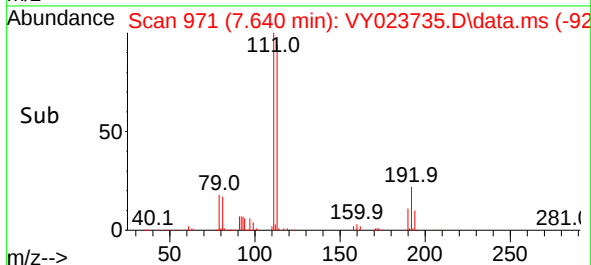
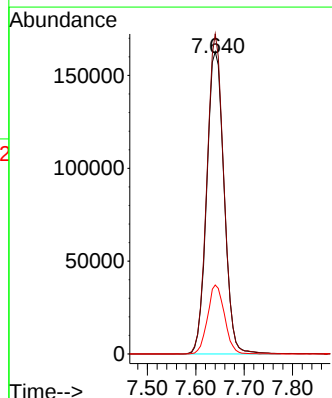
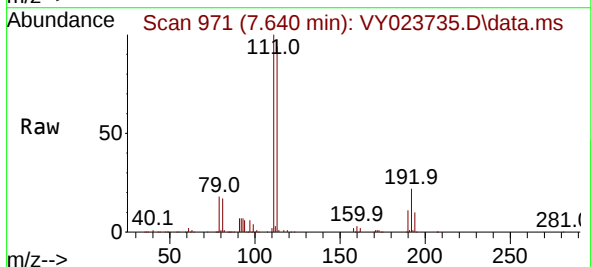
Tgt Ion:113 Resp: 405209

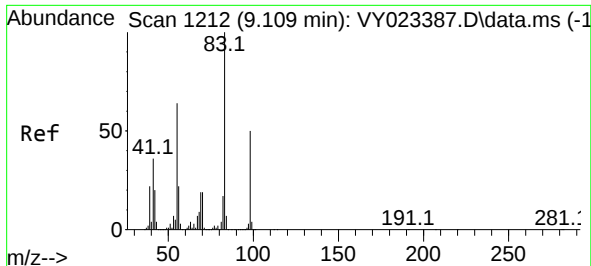
Ion Ratio Lower Upper

113 100

111 103.1 81.8 122.6

192 22.3 18.0 27.0

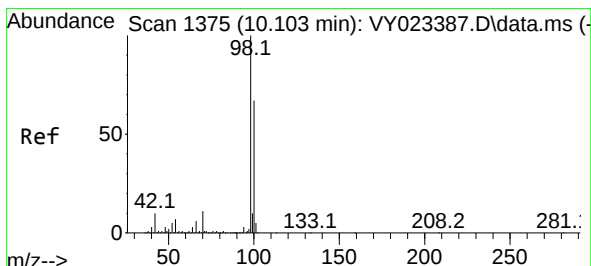
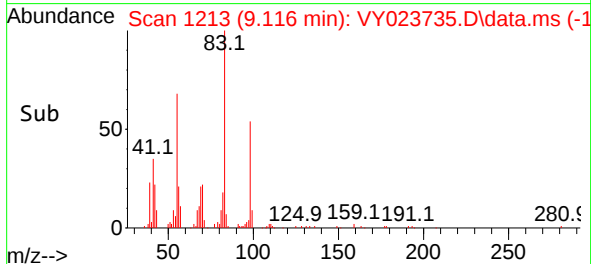
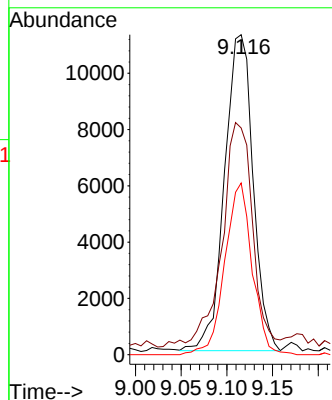
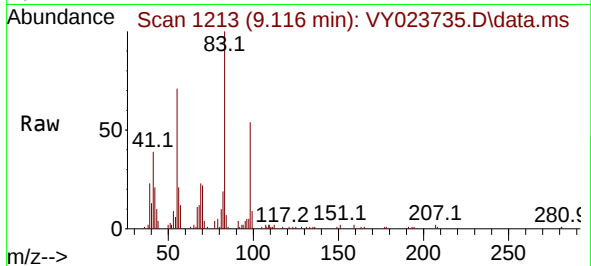




#39
Methylcyclohexane
Concen: 1.680 ug/l
RT: 9.116 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023735.D
Acq: 11 Nov 2025 13:17

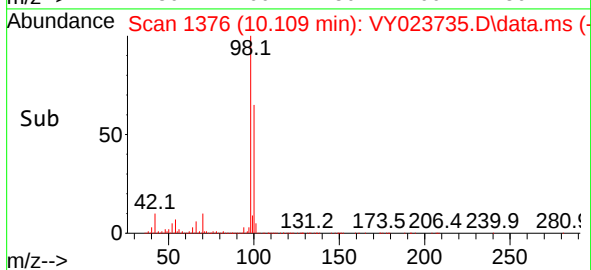
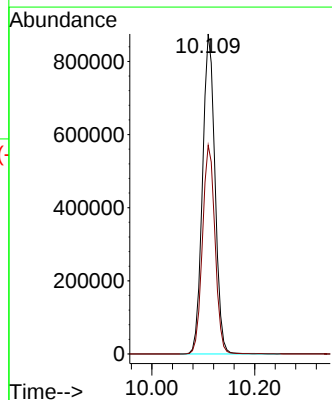
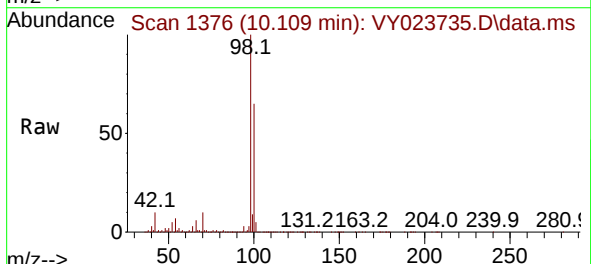
Instrument :
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ClientSampleId :
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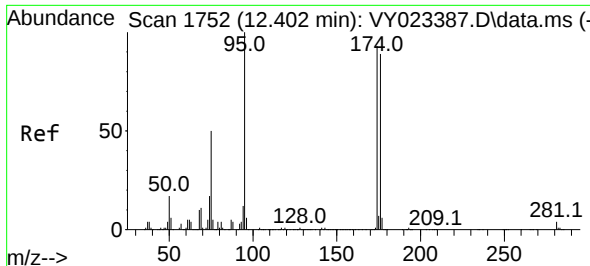
Tgt Ion: 83 Resp: 24469
Ion Ratio Lower Upper
83 100
55 67.1 51.4 77.2
98 54.3 40.4 60.6



#50
Toluene-d8
Concen: 46.736 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023735.D
Acq: 11 Nov 2025 13:17

Tgt Ion: 98 Resp: 1470881
Ion Ratio Lower Upper
98 100
100 65.6 53.0 79.4

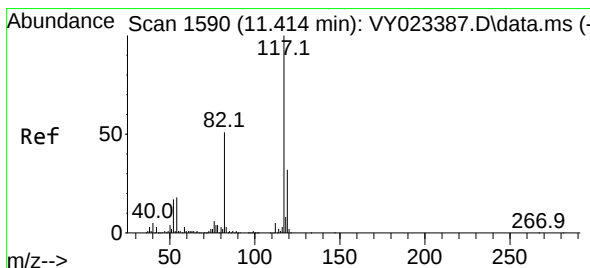
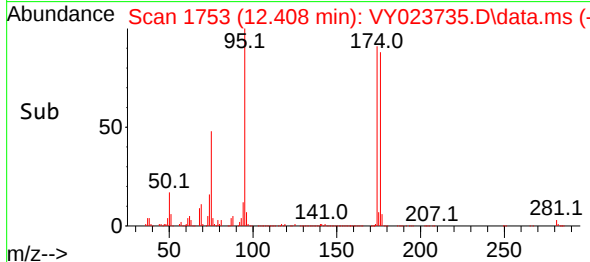
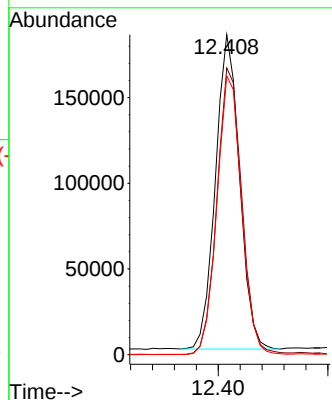
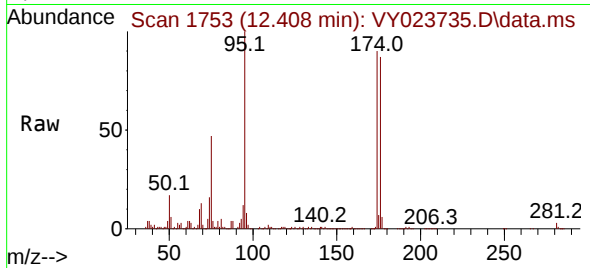




#62
4-Bromofluorobenzene
Concen: 26.898 ug/l
RT: 12.408 min Scan# 1752
Delta R.T. 0.006 min
Lab File: VY023735.D
Acq: 11 Nov 2025 13:17

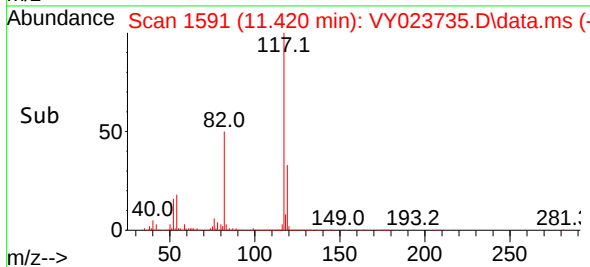
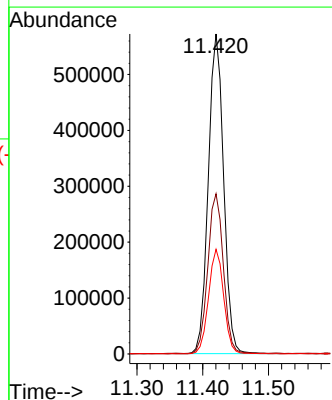
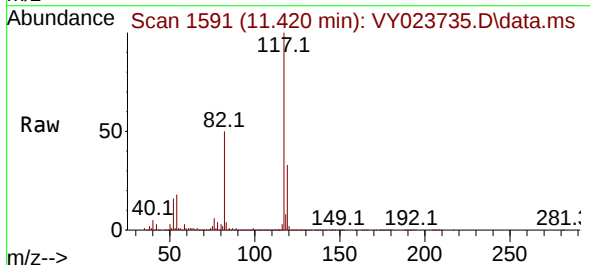
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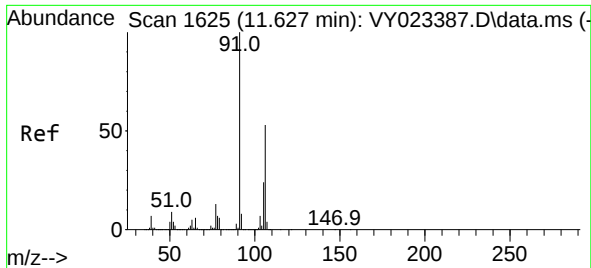
Tgt Ion: 95 Resp: 279484
Ion Ratio Lower Upper
95 100
174 94.1 0.0 192.8
176 90.5 0.0 187.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY023735.D
Acq: 11 Nov 2025 13:17

Tgt Ion: 117 Resp: 927157
Ion Ratio Lower Upper
117 100
82 49.9 41.0 61.4
119 32.7 25.6 38.4

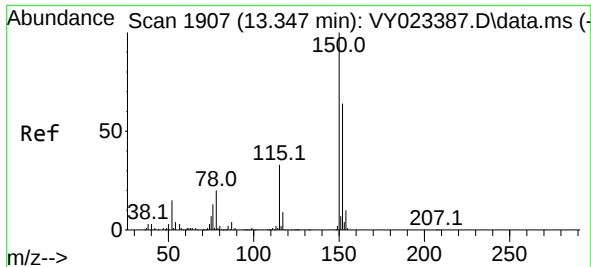
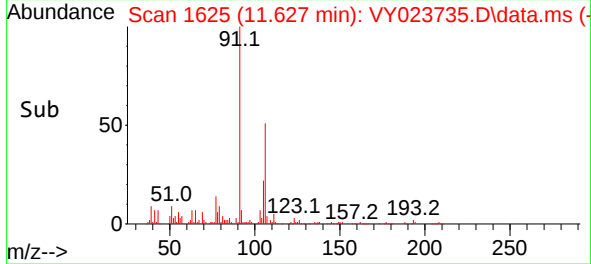
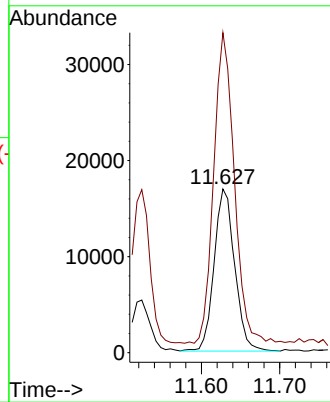
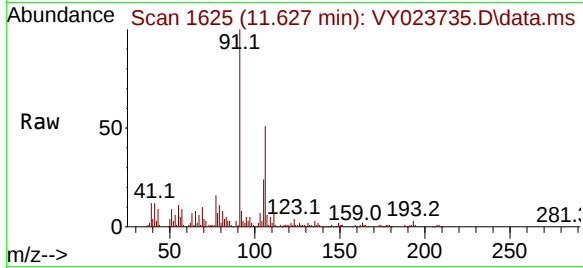




#68
m/p-Xylenes
Concen: 2.347 ug/l
RT: 11.627 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023735.D
Acq: 11 Nov 2025 13:17

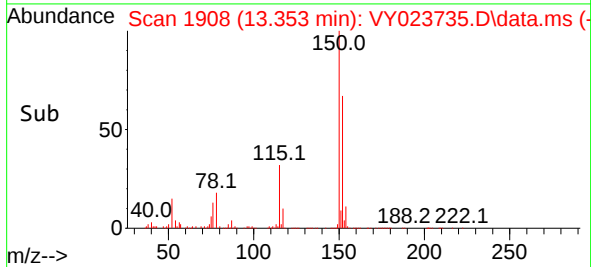
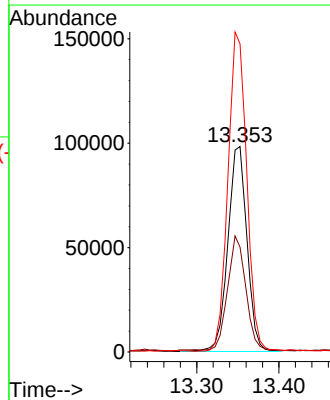
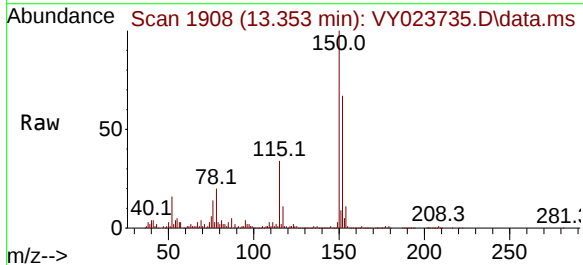
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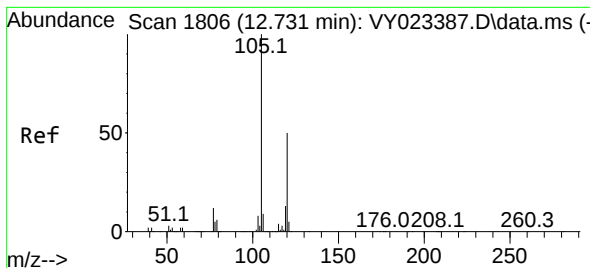
Tgt Ion:106 Resp: 30723
Ion Ratio Lower Upper
106 100
91 192.3 152.6 229.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY023735.D
Acq: 11 Nov 2025 13:17

Tgt Ion:152 Resp: 158147
Ion Ratio Lower Upper
152 100
115 53.5 27.1 81.2
150 152.8 0.0 347.4

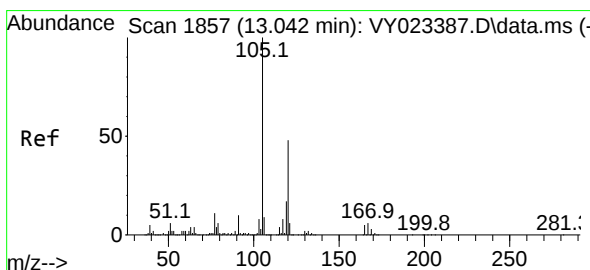
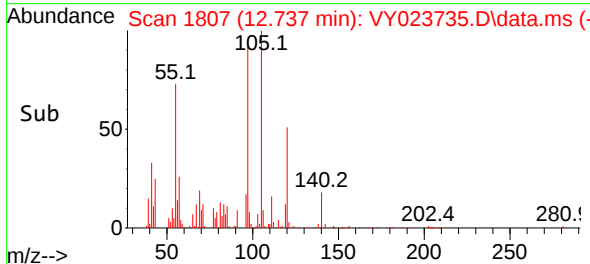
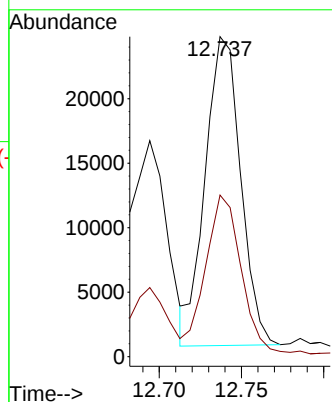
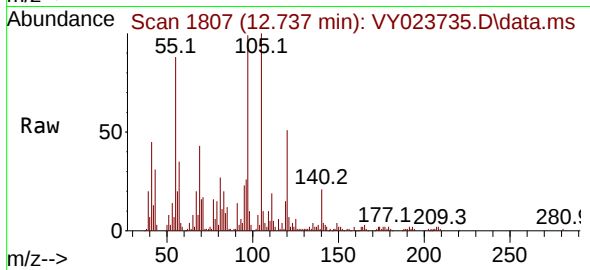




#80
1,3,5-Trimethylbenzene
Concen: 4.260 ug/l
RT: 12.737 min Scan# 1806
Delta R.T. 0.006 min
Lab File: VY023735.D
Acq: 11 Nov 2025 13:17

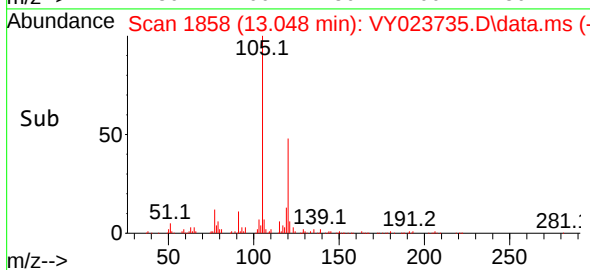
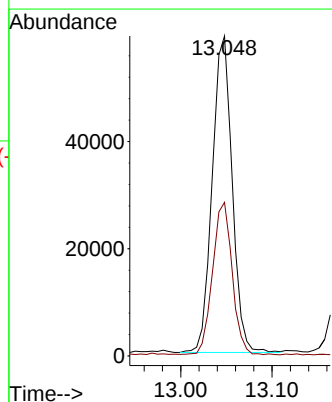
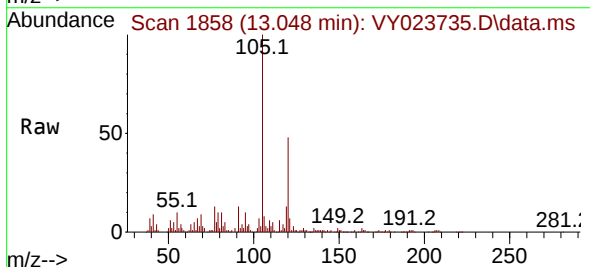
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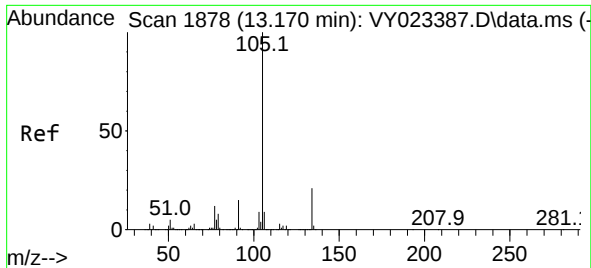
Tgt Ion:105 Resp: 35879
Ion Ratio Lower Upper
105 100
120 51.5 25.4 76.4



#84
1,2,4-Trimethylbenzene
Concen: 10.623 ug/l
RT: 13.048 min Scan# 1858
Delta R.T. 0.006 min
Lab File: VY023735.D
Acq: 11 Nov 2025 13:17

Tgt Ion:105 Resp: 89285
Ion Ratio Lower Upper
105 100
120 47.6 23.8 71.2





#85
 sec-Butylbenzene
 Concen: 2.452 ug/l
 RT: 13.176 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VY023735.D
 Acq: 11 Nov 2025 13:17

Instrument :
 MSVOA_Y
 ClientSampleId :
 C-LAW-25-0156-0166-COMP

Tgt Ion:105 Resp: 27354
 Ion Ratio Lower Upper
 105 100
 134 29.4 10.7 32.1

