

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102025\
 Data File : VY023516.D
 Acq On : 20 Oct 2025 18:09
 Operator : SY/MD
 Sample : Q3393-04
 Misc : 4.61g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PR132-S06-000021-20251017

Quant Time: Oct 21 04:02:30 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)

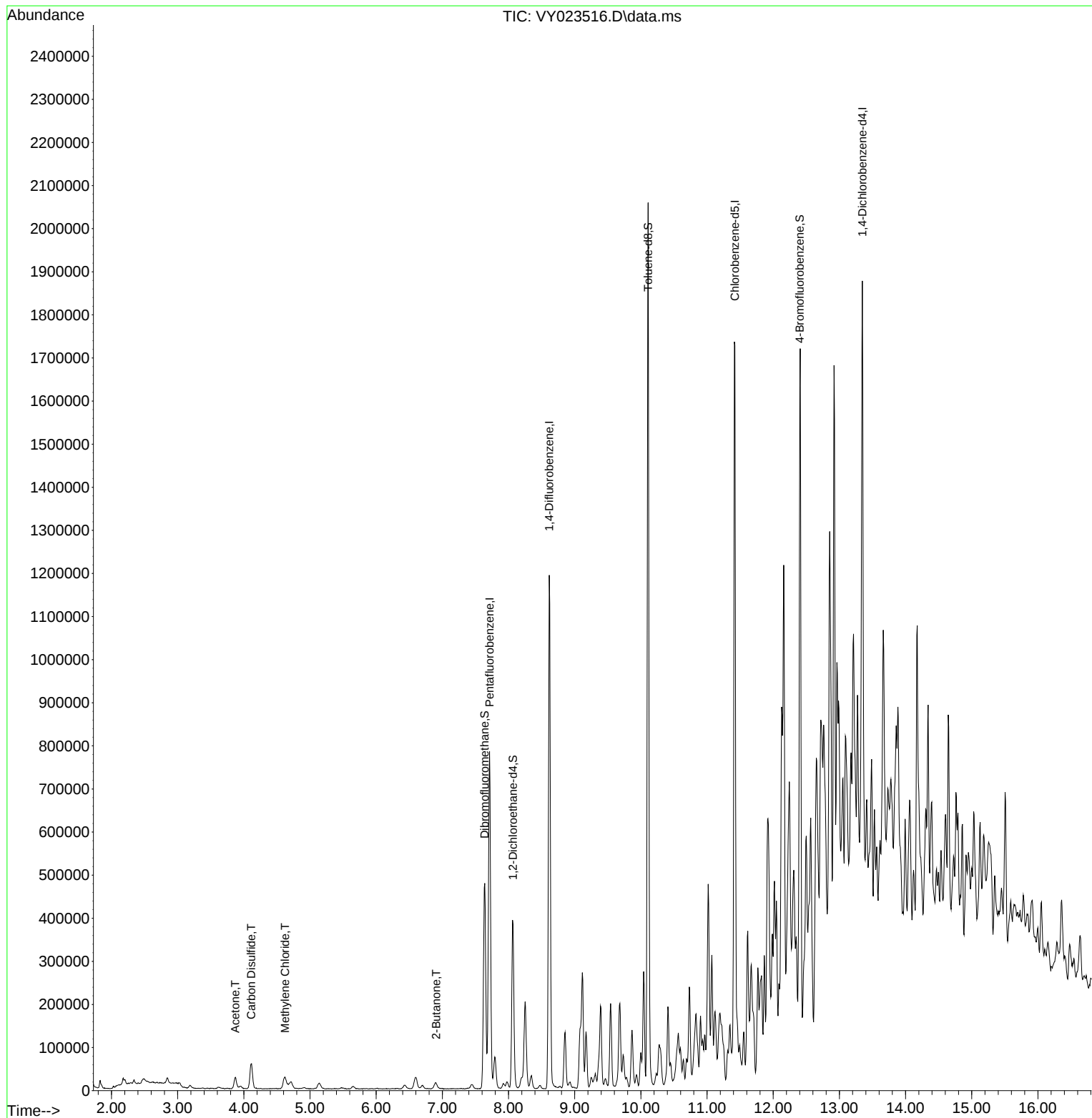
Internal Standards						
1) Pentafluorobenzene	7.713	168	634815	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1071621	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	942803	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	398037	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	300083	56.530	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	113.060%
35) Dibromofluoromethane	7.640	113	343909	52.229	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.460%
50) Toluene-d8	10.109	98	1284259	52.372	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	104.740%
62) 4-Bromofluorobenzene	12.402	95	405010	50.027	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	100.060%
Target Compounds						
						Qvalue
16) Acetone	3.873	43	42154	33.356	ug/l	96
17) Carbon Disulfide	4.110	76	123623	7.628	ug/l	99
20) Methylene Chloride	4.622	84	18005	2.635	ug/l	94
25) 2-Butanone	6.909	43	15090	9.781	ug/l #	84

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

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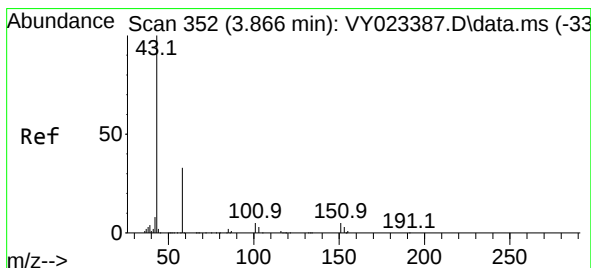
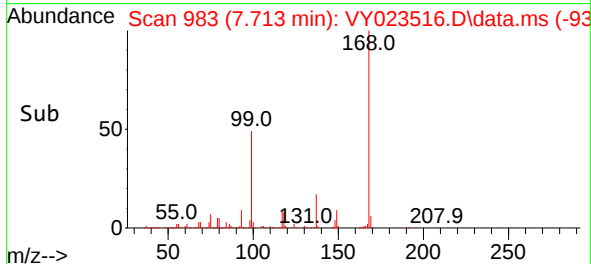
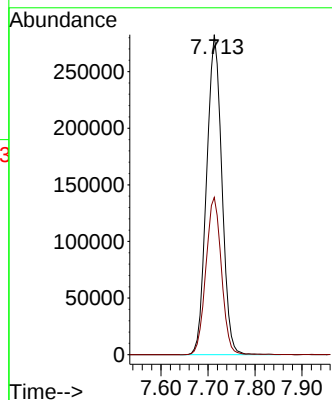
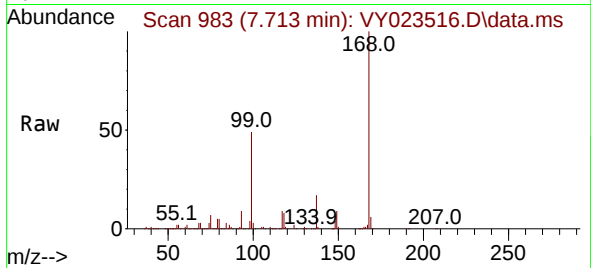




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023516.D
Acq: 20 Oct 2025 18:09

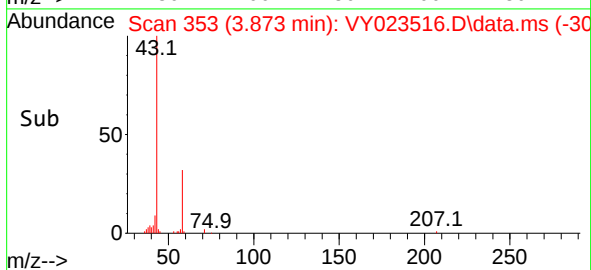
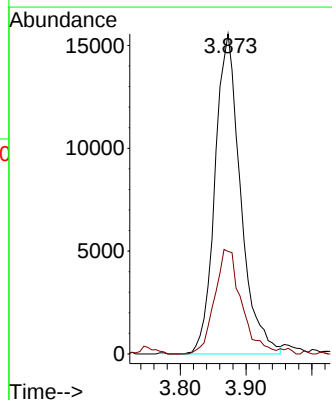
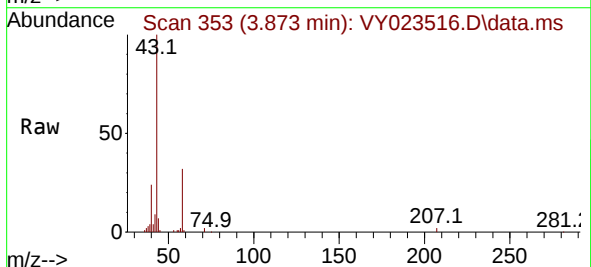
Instrument :
MSVOA_Y
ClientSampleId :
PR132-S06-000021-20251017

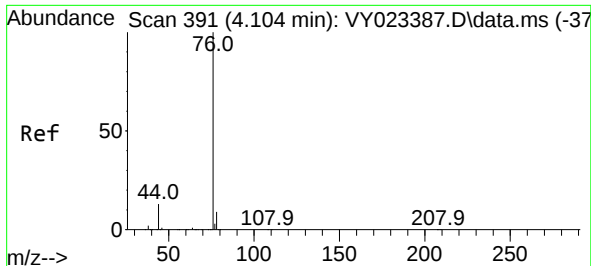
Tgt Ion:168 Resp: 634815
Ion Ratio Lower Upper
168 100
99 49.1 39.7 59.5



#16
Acetone
Concen: 33.356 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.006 min
Lab File: VY023516.D
Acq: 20 Oct 2025 18:09

Tgt Ion: 43 Resp: 42154
Ion Ratio Lower Upper
43 100
58 32.0 27.7 41.5

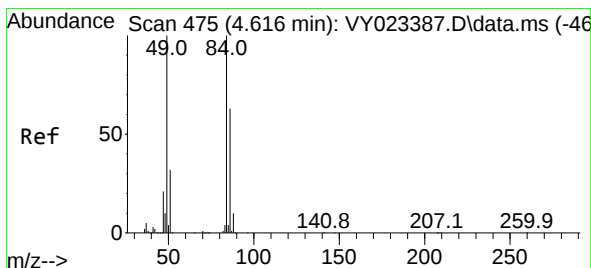
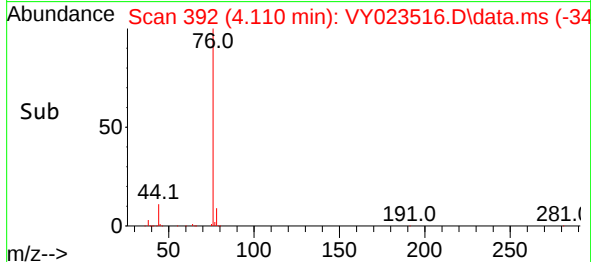
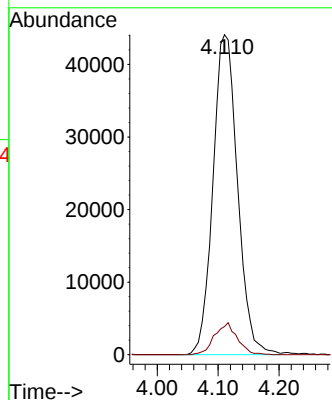
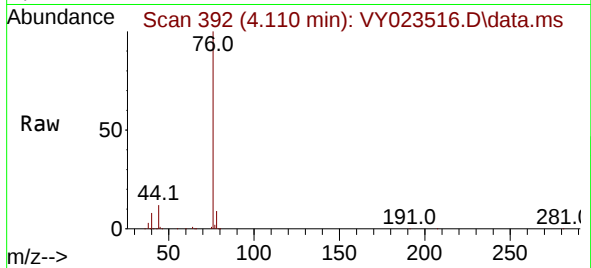




#17
Carbon Disulfide
Concen: 7.628 ug/l
RT: 4.110 min Scan# 391
Delta R.T. 0.006 min
Lab File: VY023516.D
Acq: 20 Oct 2025 18:09

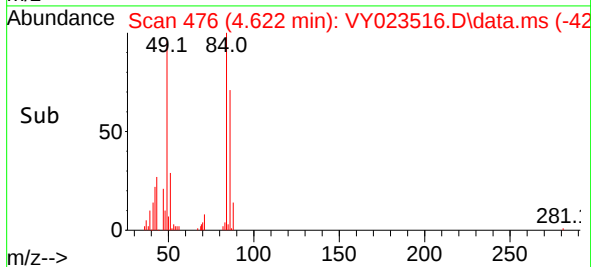
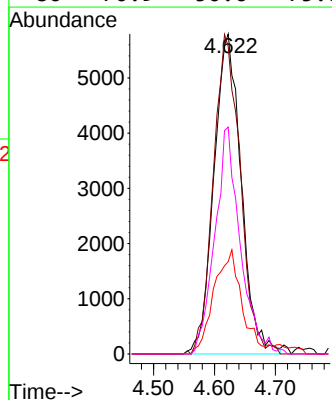
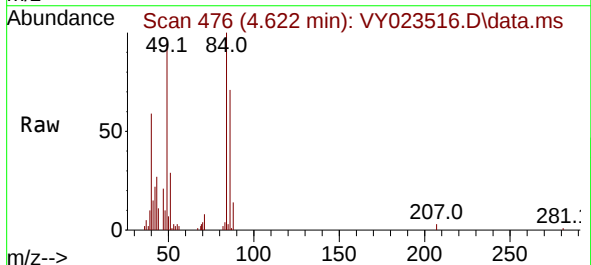
Instrument :
MSVOA_Y
ClientSampleId :
PR132-S06-000021-20251017

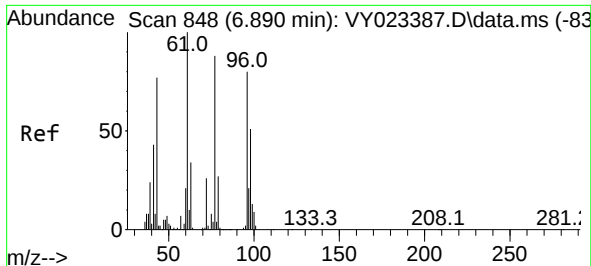
Tgt Ion: 76 Resp: 123623
Ion Ratio Lower Upper
76 100
78 8.8 7.3 10.9



#20
Methylene Chloride
Concen: 2.635 ug/l
RT: 4.622 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY023516.D
Acq: 20 Oct 2025 18:09

Tgt Ion: 84 Resp: 18005
Ion Ratio Lower Upper
84 100
49 96.1 80.2 120.4
51 28.8 25.9 38.9
86 70.9 50.6 75.8





#25

2-Butanone

Concen: 9.781 ug/l

RT: 6.909 min Scan# 81

Delta R.T. 0.018 min

Lab File: VY023516.D

Acq: 20 Oct 2025 18:09

Instrument :

MSVOA_Y

ClientSampleId :

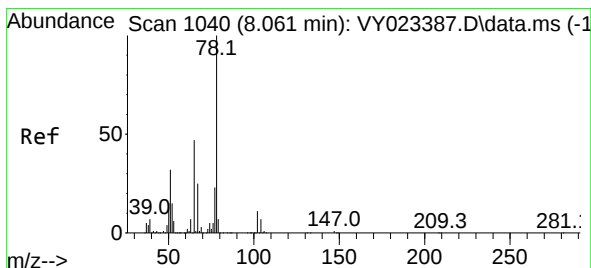
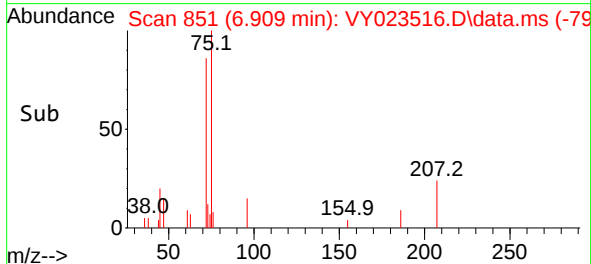
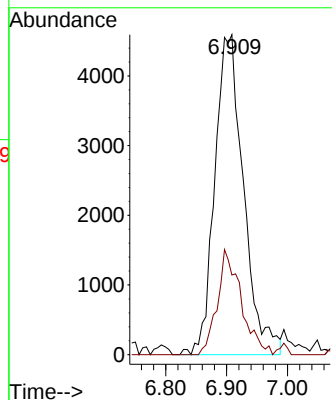
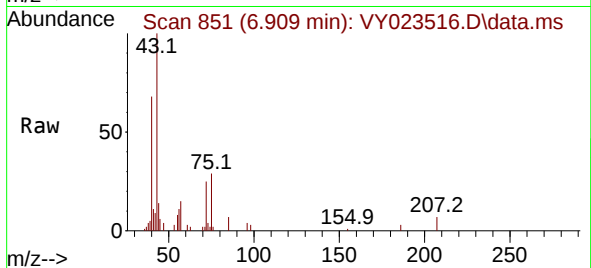
PR132-S06-000021-20251017

Tgt Ion: 43 Resp: 15090

Ion Ratio Lower Upper

43 100

72 24.9 27.4 41.2#



#33

1,2-Dichloroethane-d4

Concen: 56.530 ug/l

RT: 8.067 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VY023516.D

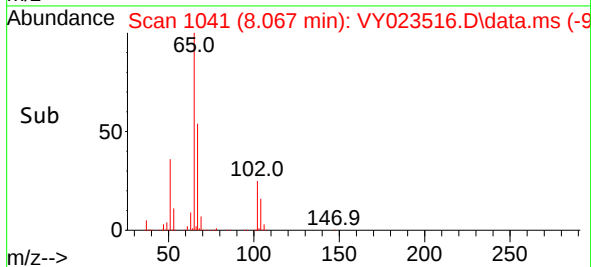
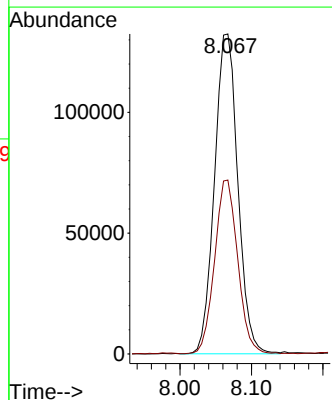
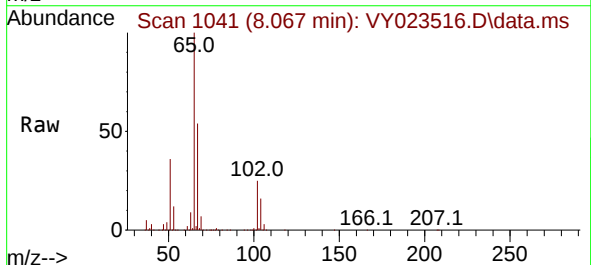
Acq: 20 Oct 2025 18:09

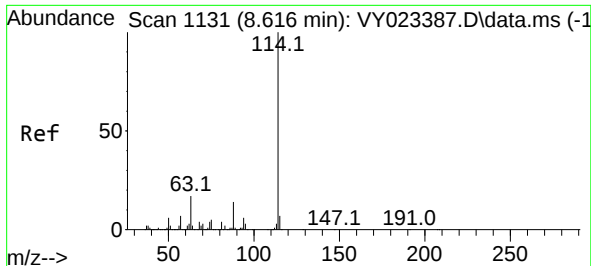
Tgt Ion: 65 Resp: 300083

Ion Ratio Lower Upper

65 100

67 53.7 0.0 105.8

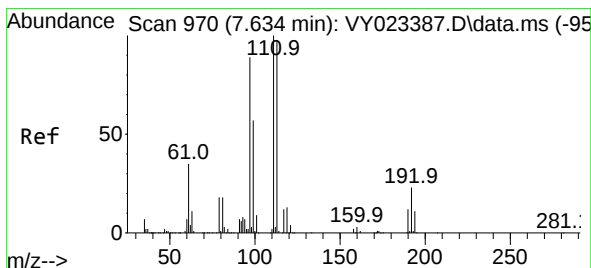
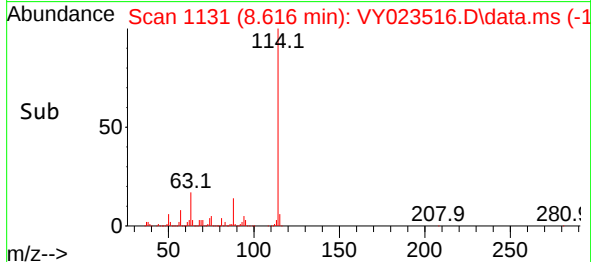
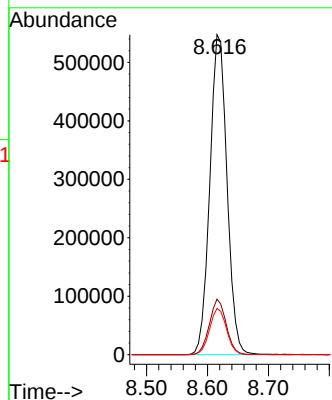
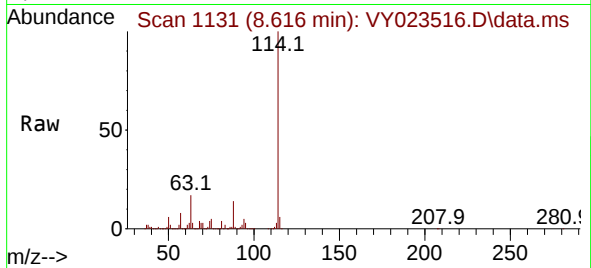




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY023516.D
Acq: 20 Oct 2025 18:09

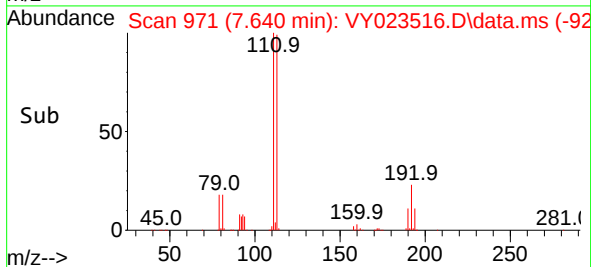
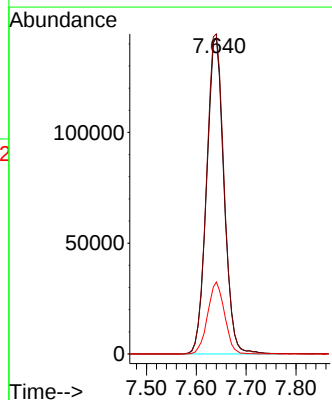
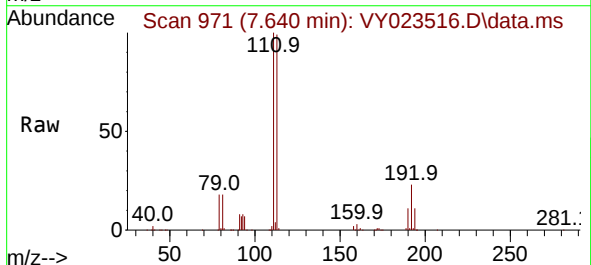
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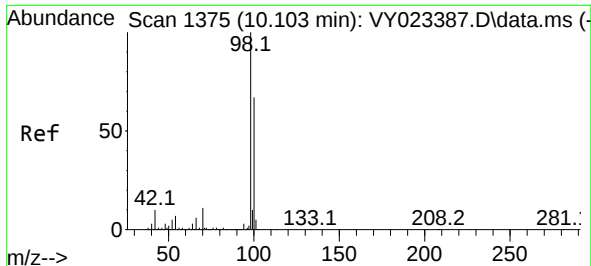
Tgt Ion:114 Resp: 1071621
Ion Ratio Lower Upper
114 100
63 17.3 0.0 34.2
88 14.4 0.0 28.4



#35
Dibromofluoromethane
Concen: 52.229 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.006 min
Lab File: VY023516.D
Acq: 20 Oct 2025 18:09

Tgt Ion:113 Resp: 343909
Ion Ratio Lower Upper
113 100
111 102.4 81.8 122.6
192 22.3 18.0 27.0

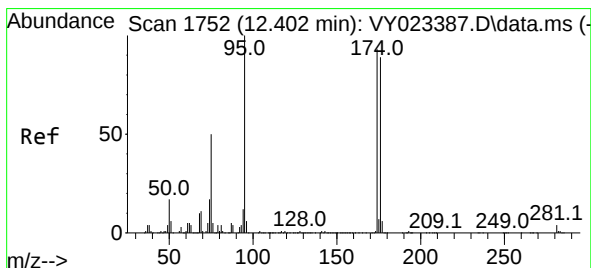
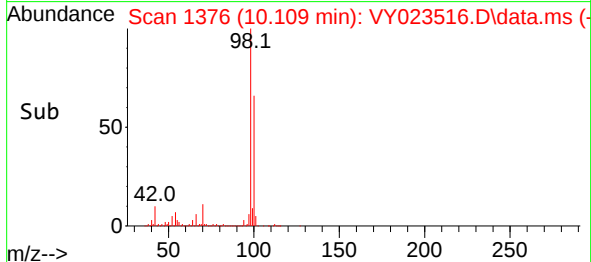
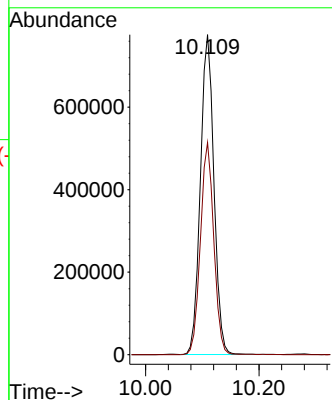
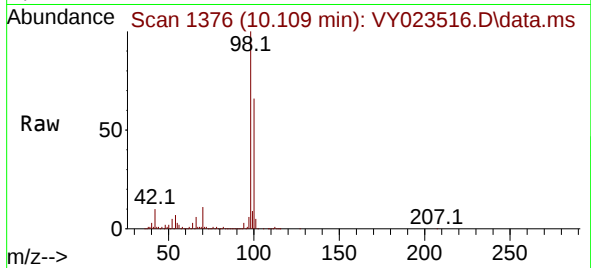




#50
Toluene-d8
Concen: 52.372 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023516.D
Acq: 20 Oct 2025 18:09

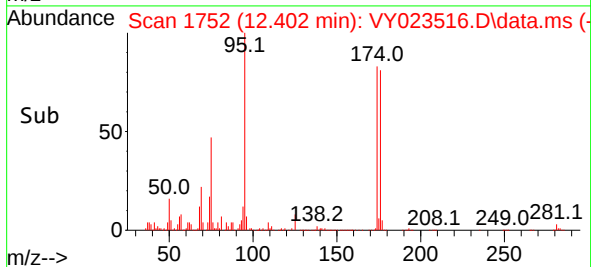
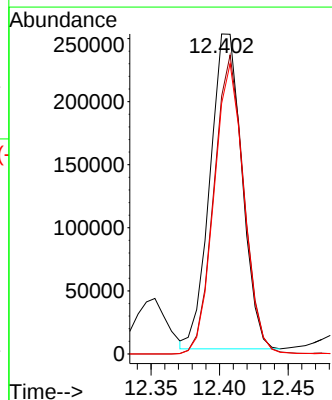
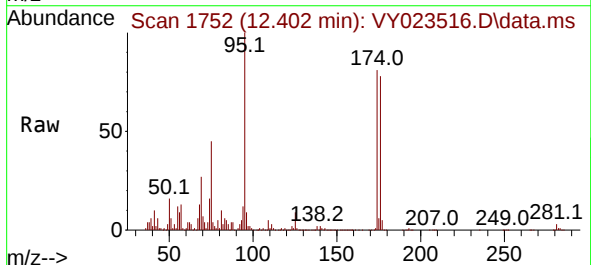
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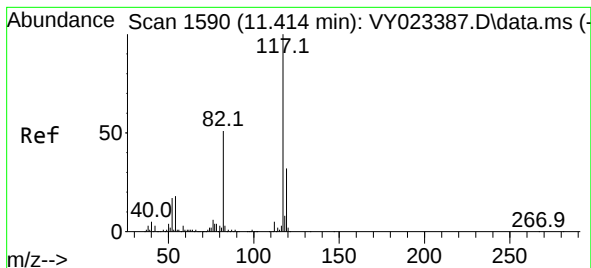
Tgt Ion: 98 Resp: 1284259
Ion Ratio Lower Upper
98 100
100 65.5 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 50.027 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY023516.D
Acq: 20 Oct 2025 18:09

Tgt Ion: 95 Resp: 405010
Ion Ratio Lower Upper
95 100
174 89.5 0.0 192.8
176 86.7 0.0 187.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023516.D

Acq: 20 Oct 2025 18:09

Instrument :

MSVOA_Y

ClientSampleId :

PR132-S06-000021-20251017

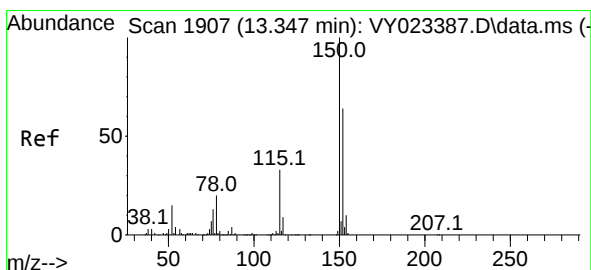
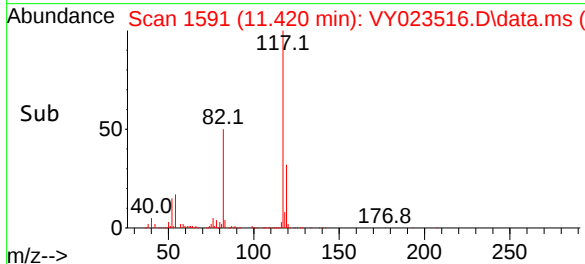
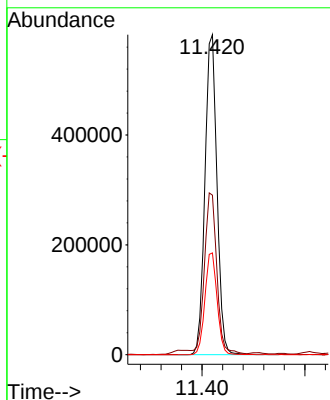
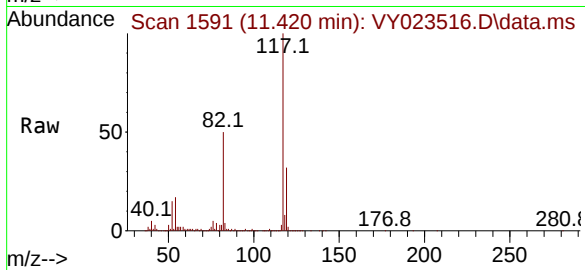
Tgt Ion:117 Resp: 942803

Ion Ratio Lower Upper

117 100

82 49.5 41.0 61.4

119 31.8 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY023516.D

Acq: 20 Oct 2025 18:09

Tgt Ion:152 Resp: 398037

Ion Ratio Lower Upper

152 100

115 52.0 27.1 81.2

150 149.7 0.0 347.4

