

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101625\
 Data File : VY023489.D
 Acq On : 16 Oct 2025 14:14
 Operator : SY/MD
 Sample : Q3363-04
 Misc : 4.47g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PR132-SO3-010013-20251015

Quant Time: Oct 17 01:57:20 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)

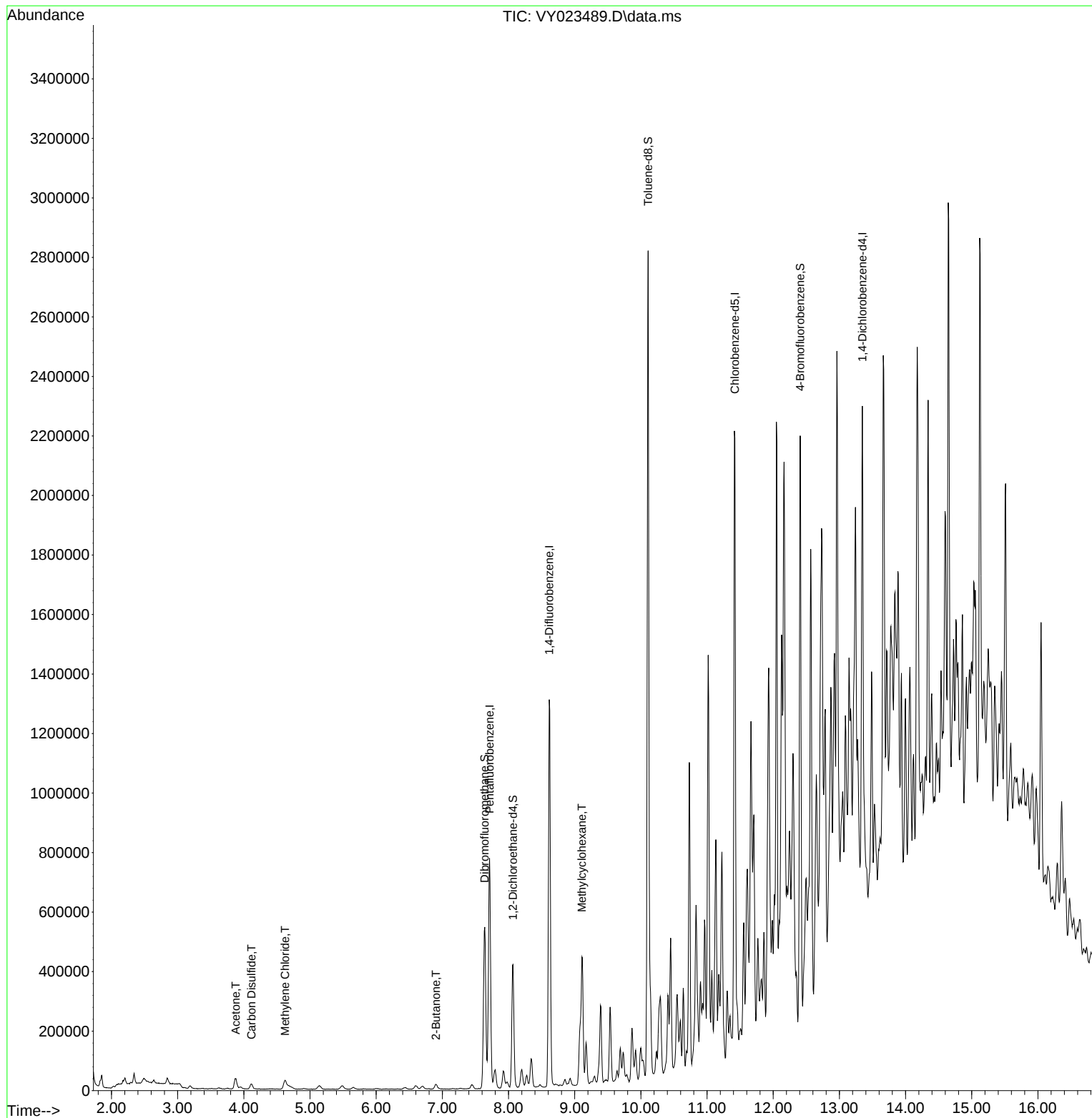
Internal Standards						
1) Pentafluorobenzene	7.713	168	632583	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1213308	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1199753	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	468564	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	322725	61.009	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 122.020%			
35) Dibromofluoromethane	7.640	113	398193	53.411	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.820%			
50) Toluene-d8	10.109	98	1485951	53.521	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 107.040%			
62) 4-Bromofluorobenzene	12.408	95	509548	55.590	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 111.180%			
Target Compounds					Qvalue	
16) Acetone	3.879	43	65057	51.660	ug/l	99
17) Carbon Disulfide	4.116	76	36184	2.240	ug/l	99
20) Methylene Chloride	4.622	84	22635	3.324	ug/l #	89
25) 2-Butanone	6.903	43	24436	15.894	ug/l	92
39) Methylcyclohexane	9.110	83	183052	14.244	ug/l	92

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

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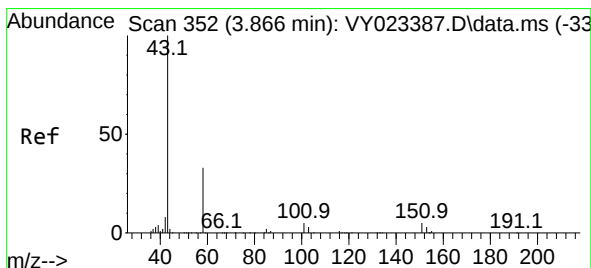
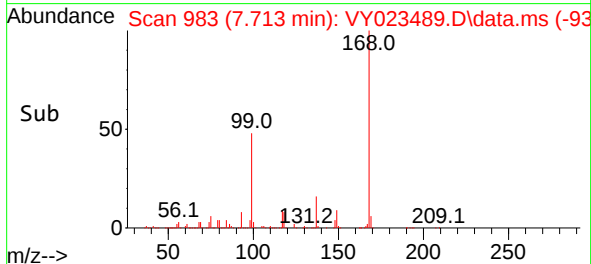
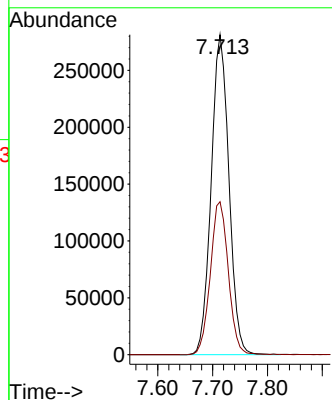
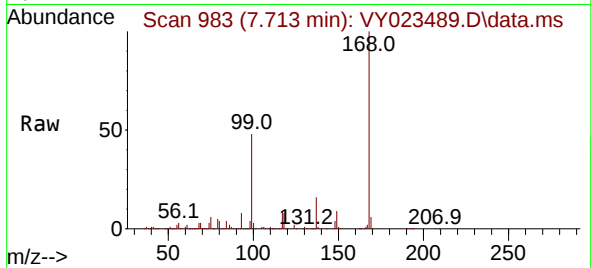




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023489.D
Acq: 16 Oct 2025 14:14

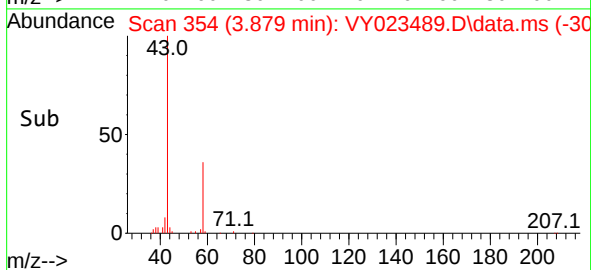
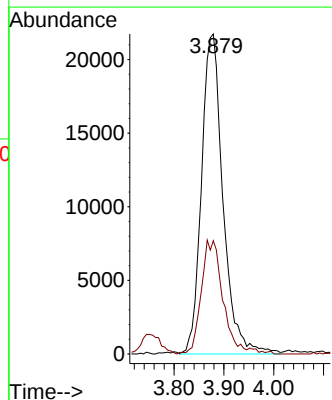
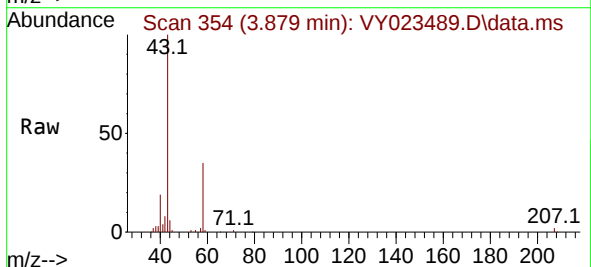
Instrument :
MSVOA_Y
ClientSampleId :
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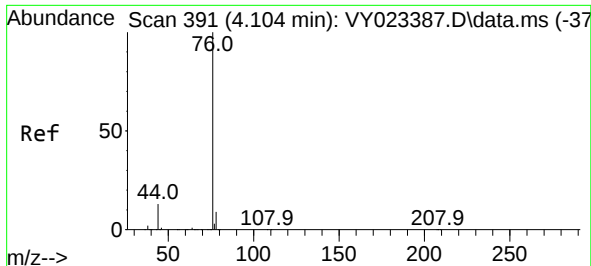
Tgt Ion:168 Resp: 632583
Ion Ratio Lower Upper
168 100
99 47.8 39.7 59.5



#16
Acetone
Concen: 51.660 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.012 min
Lab File: VY023489.D
Acq: 16 Oct 2025 14:14

Tgt Ion: 43 Resp: 65057
Ion Ratio Lower Upper
43 100
58 35.4 27.7 41.5

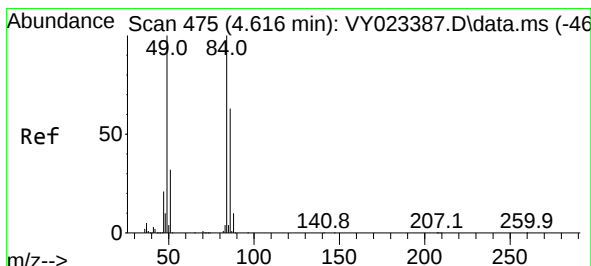
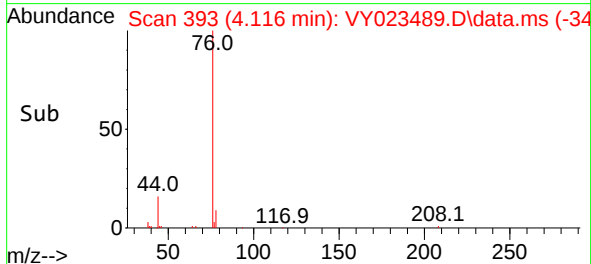
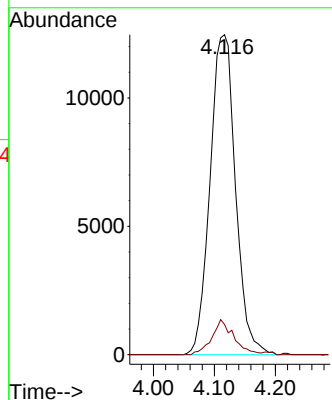
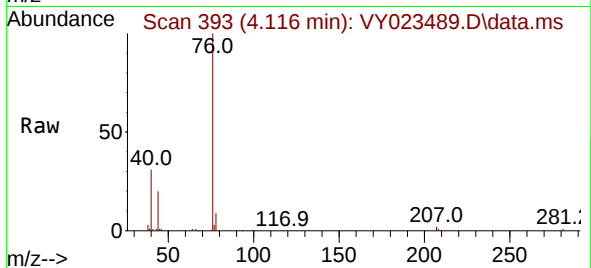




#17
Carbon Disulfide
Concen: 2.240 ug/l
RT: 4.116 min Scan# 391
Delta R.T. 0.012 min
Lab File: VY023489.D
Acq: 16 Oct 2025 14:14

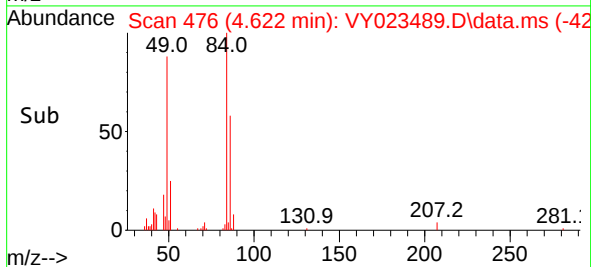
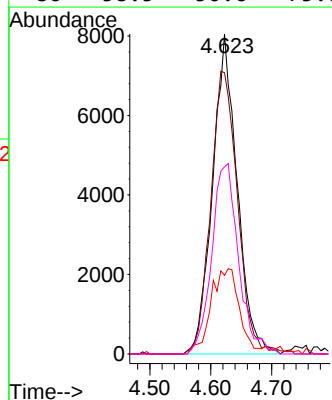
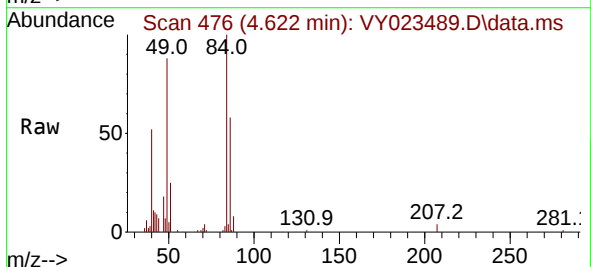
Instrument :
MSVOA_Y
ClientSampleId :
PR132-SO3-010013-20251015

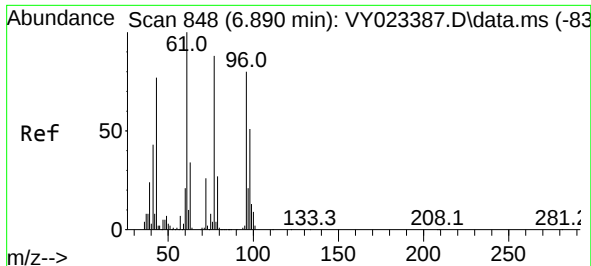
Tgt Ion: 76 Resp: 36184
Ion Ratio Lower Upper
76 100
78 9.4 7.3 10.9



#20
Methylene Chloride
Concen: 3.324 ug/l
RT: 4.622 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY023489.D
Acq: 16 Oct 2025 14:14

Tgt Ion: 84 Resp: 22635
Ion Ratio Lower Upper
84 100
49 87.9 80.2 120.4
51 24.6 25.9 38.9#
86 58.5 50.6 75.8

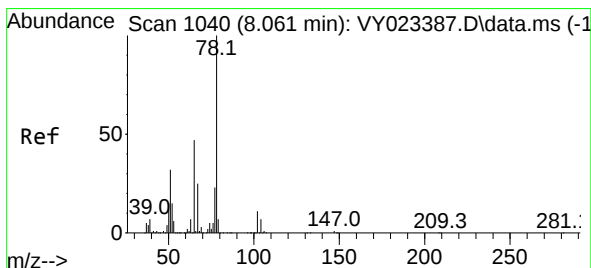
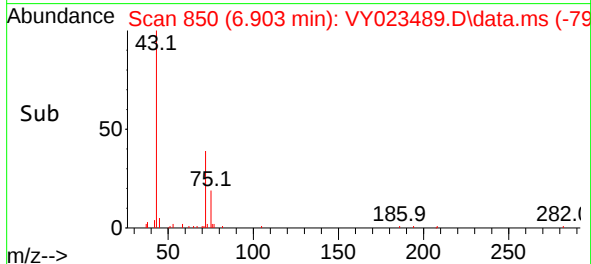
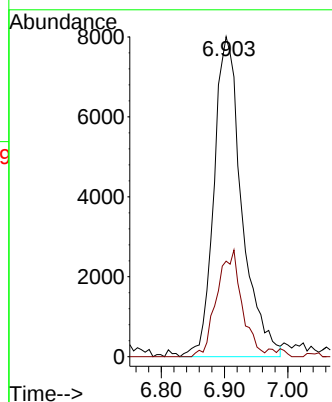
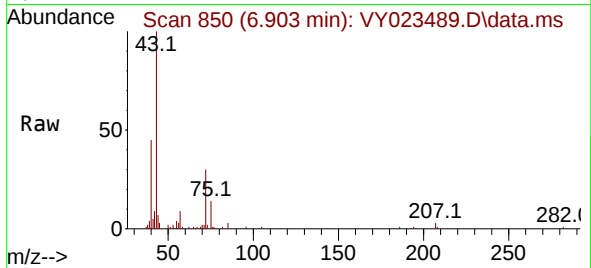




#25
2-Butanone
Concen: 15.894 ug/l
RT: 6.903 min Scan# 848
Delta R.T. 0.012 min
Lab File: VY023489.D
Acq: 16 Oct 2025 14:14

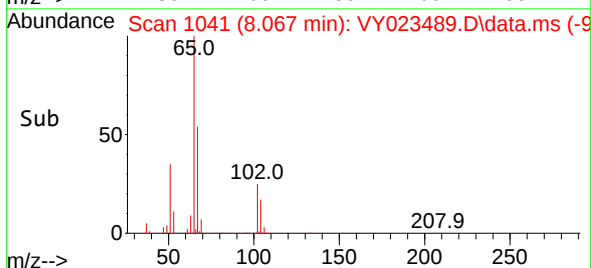
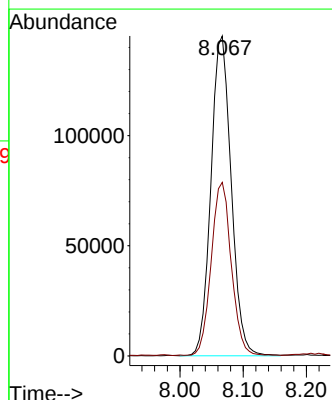
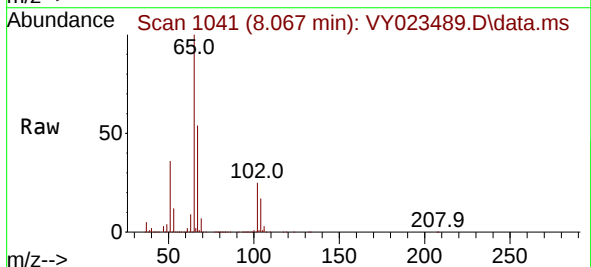
Instrument :
MSVOA_Y
ClientSampleId :
PR132-SO3-010013-20251015

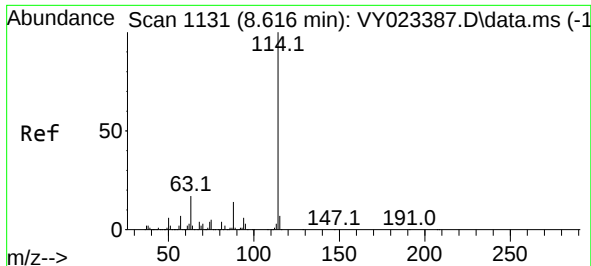
Tgt Ion: 43 Resp: 24436
Ion Ratio Lower Upper
43 100
72 29.8 27.4 41.2



#33
1,2-Dichloroethane-d4
Concen: 61.009 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY023489.D
Acq: 16 Oct 2025 14:14

Tgt Ion: 65 Resp: 322725
Ion Ratio Lower Upper
65 100
67 53.4 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: VY023489.D

Acq: 16 Oct 2025 14:14

Instrument :

MSVOA_Y

ClientSampleId :

PR132-SO3-010013-20251015

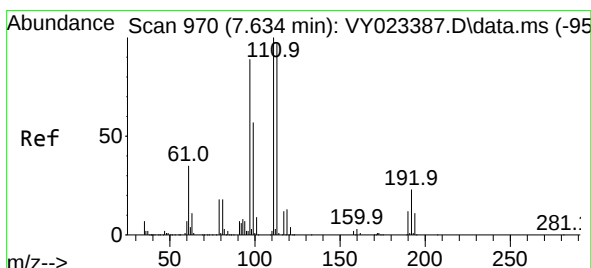
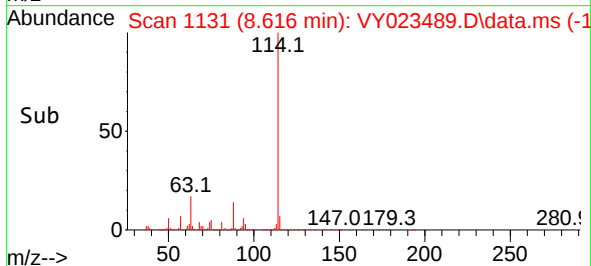
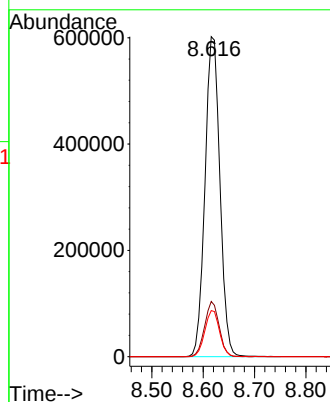
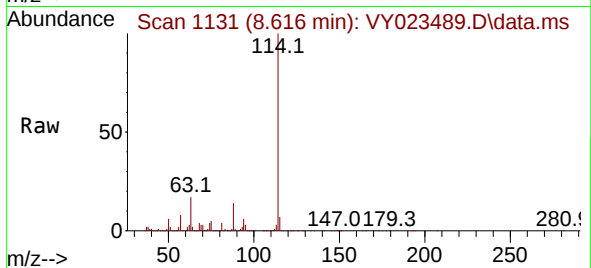
Tgt Ion:114 Resp: 1213308

Ion Ratio Lower Upper

114 100

63 17.3 0.0 34.2

88 14.4 0.0 28.4



#35

Dibromofluoromethane

Concen: 53.411 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.006 min

Lab File: VY023489.D

Acq: 16 Oct 2025 14:14

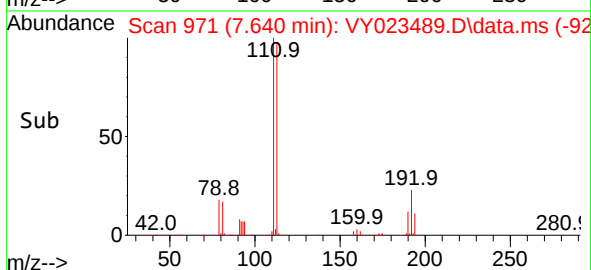
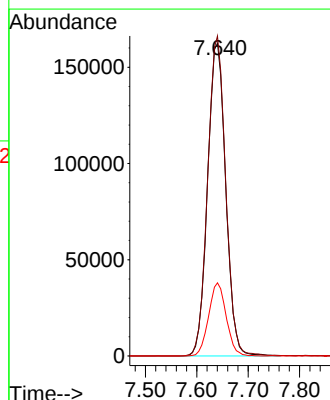
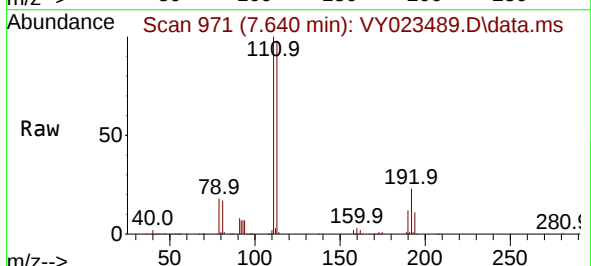
Tgt Ion:113 Resp: 398193

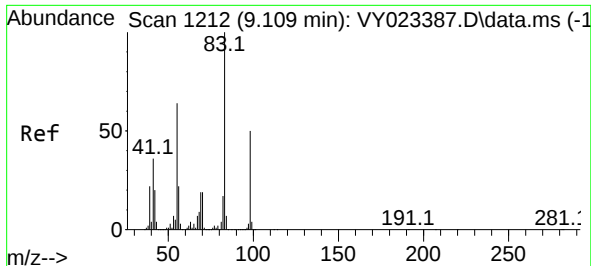
Ion Ratio Lower Upper

113 100

111 101.6 81.8 122.6

192 22.6 18.0 27.0





#39

Methylcyclohexane

Concen: 14.244 ug/l

RT: 9.110 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY023489.D

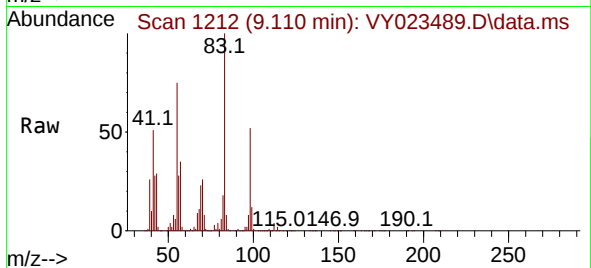
Acq: 16 Oct 2025 14:14

Instrument :

MSVOA_Y

ClientSampleId :

PR132-SO3-010013-20251015



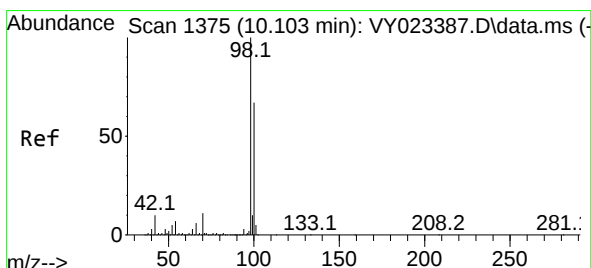
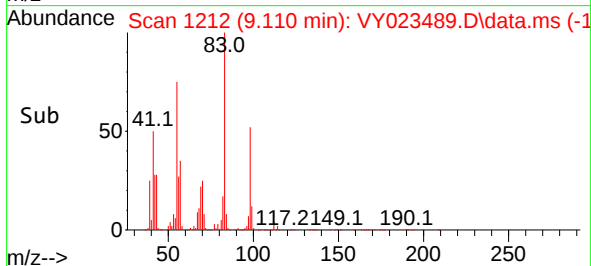
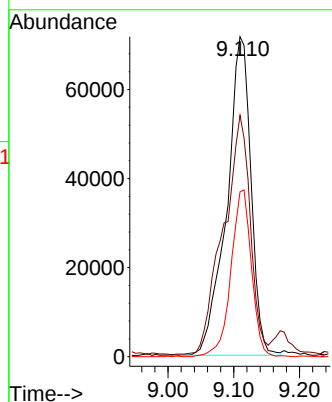
Tgt Ion: 83 Resp: 183052

Ion Ratio Lower Upper

83 100

55 74.9 51.4 77.2

98 51.6 40.4 60.6



#50

Toluene-d8

Concen: 53.521 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.006 min

Lab File: VY023489.D

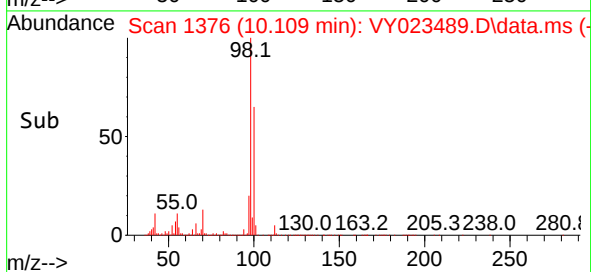
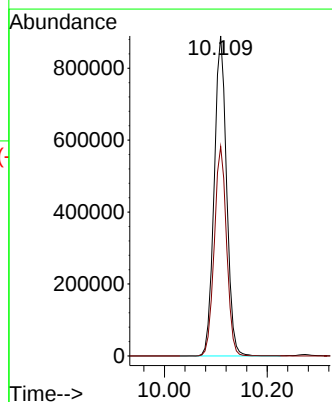
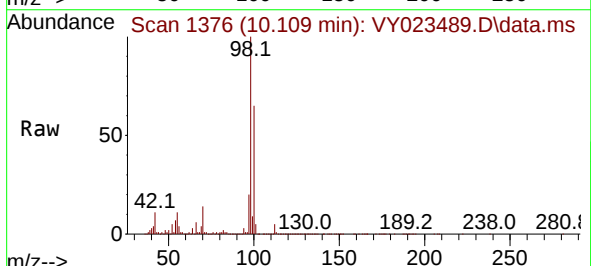
Acq: 16 Oct 2025 14:14

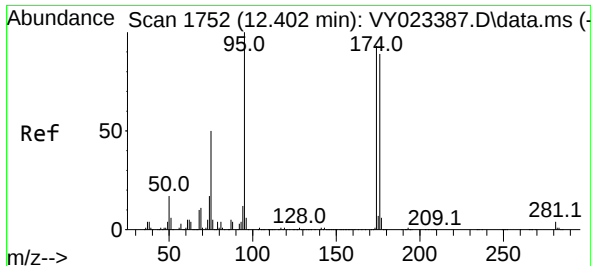
Tgt Ion: 98 Resp: 1485951

Ion Ratio Lower Upper

98 100

100 64.8 53.0 79.4

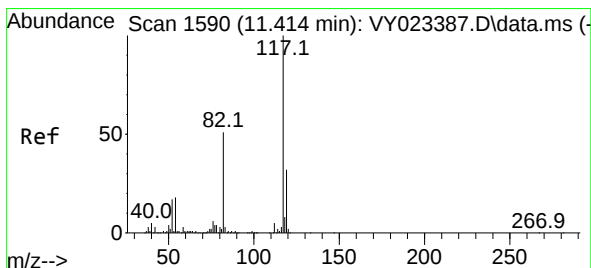
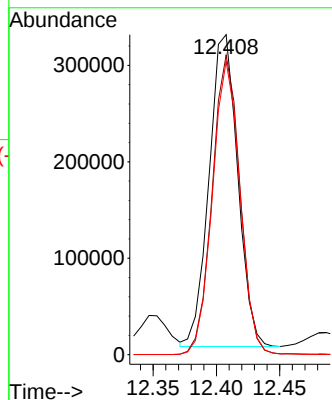
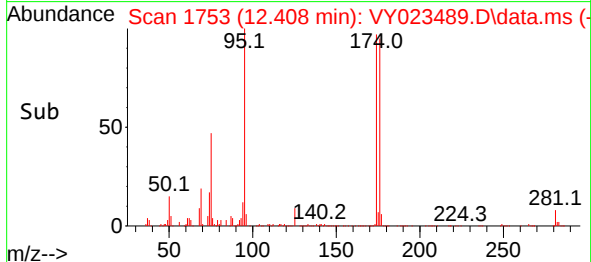
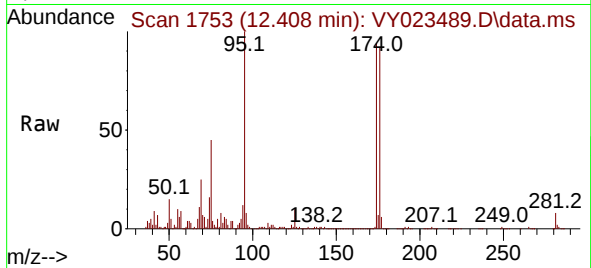




#62
4-Bromofluorobenzene
Concen: 55.590 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023489.D
Acq: 16 Oct 2025 14:14

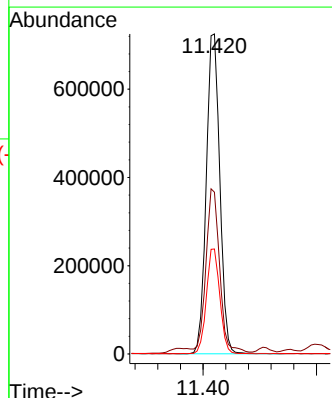
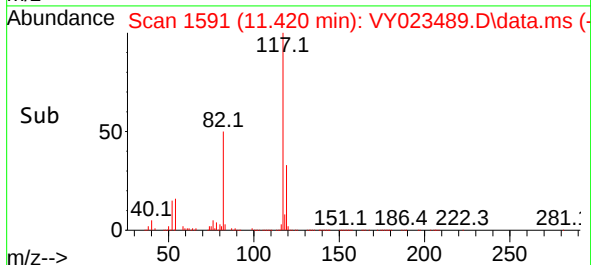
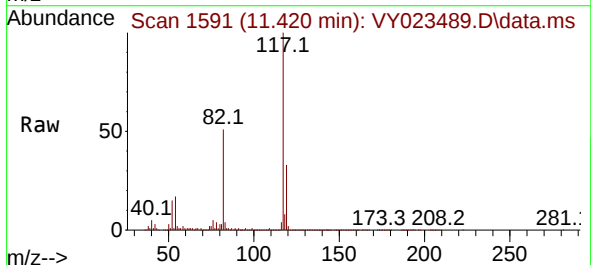
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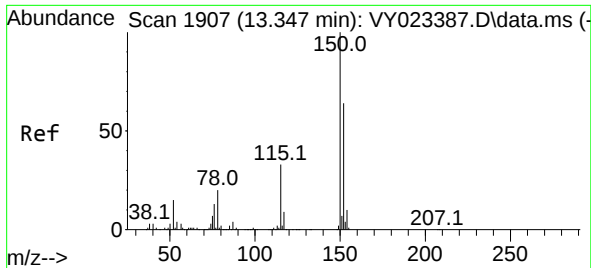
Tgt Ion: 95 Resp: 509548
Ion Ratio Lower Upper
95 100
174 93.0 0.0 192.8
176 90.6 0.0 187.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY023489.D
Acq: 16 Oct 2025 14:14

Tgt Ion: 117 Resp: 1199753
Ion Ratio Lower Upper
117 100
82 49.8 41.0 61.4
119 32.7 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY023489.D

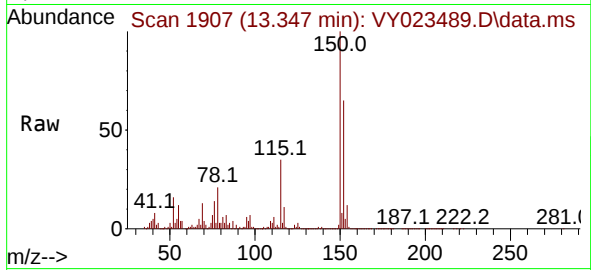
Acq: 16 Oct 2025 14:14

Instrument :

MSVOA_Y

ClientSampleId :

PR132-SO3-010013-20251015



Tgt Ion:152 Resp: 468564

Ion Ratio Lower Upper

152 100

115 53.6 27.1 81.2

150 148.9 0.0 347.4

