

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101625\
 Data File : VY023487.D
 Acq On : 16 Oct 2025 13:27
 Operator : SY/MD
 Sample : Q3363-02
 Misc : 4.15g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PR132-SO1-039085-20251015

Quant Time: Oct 17 01:56:12 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)

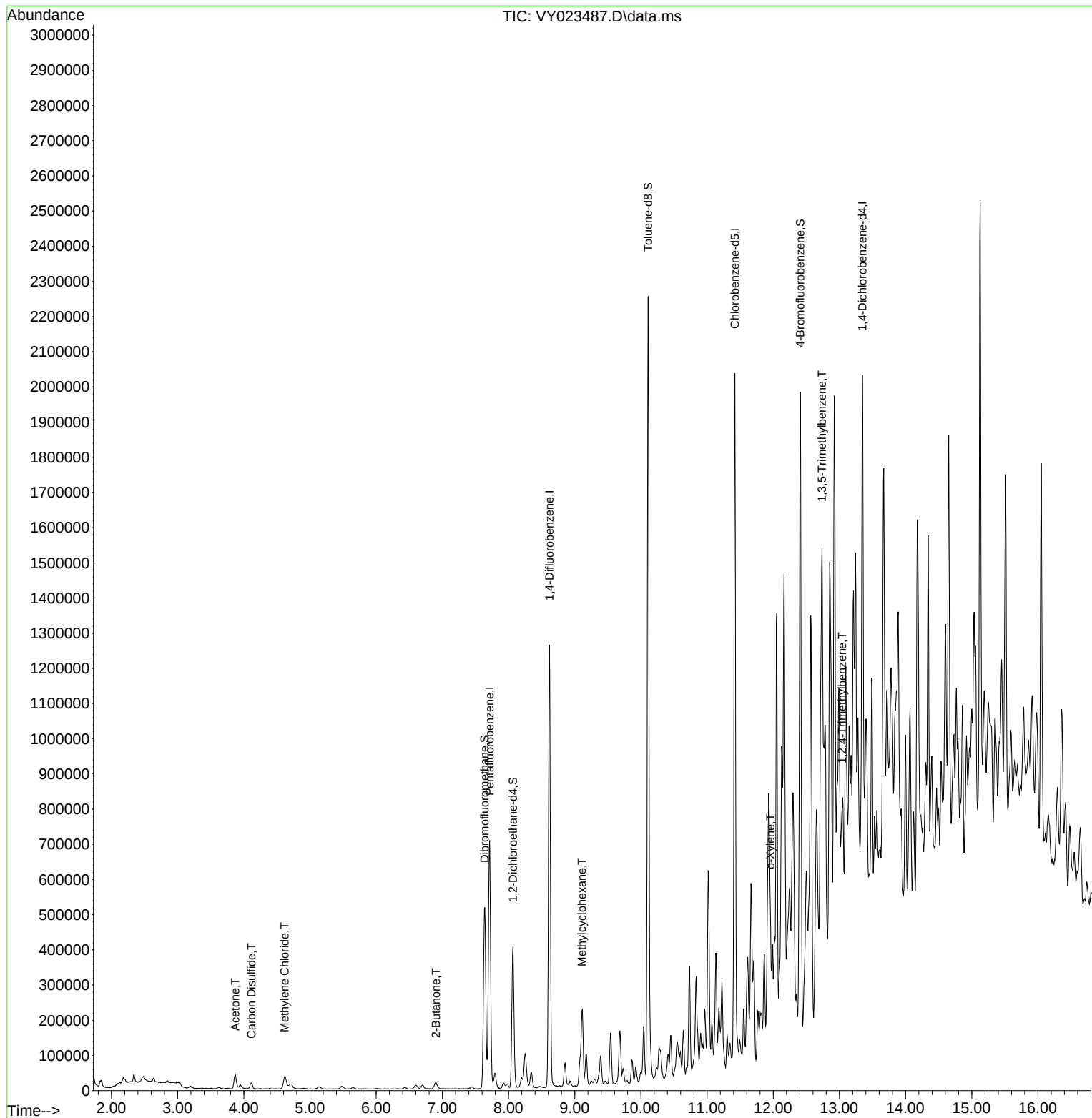
Internal Standards						
1) Pentafluorobenzene	7.713	168	585385	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1153355	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1121069	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	423616	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	303580	62.017	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 124.040%	
35) Dibromofluoromethane	7.640	113	377610	53.283	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.560%	
50) Toluene-d8	10.109	98	1364804	51.713	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 103.420%	
62) 4-Bromofluorobenzene	12.408	95	458890	52.665	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 105.340%	
Target Compounds						
						Qvalue
16) Acetone	3.873	43	65215	55.961	ug/l	100
17) Carbon Disulfide	4.117	76	34244	2.291	ug/l	100
20) Methylene Chloride	4.616	84	27375	4.344	ug/l	92
25) 2-Butanone	6.903	43	25179	17.698	ug/l	99
39) Methylcyclohexane	9.110	83	71872	5.884	ug/l #	89
69) o-Xylene	11.957	106	36100	2.431	ug/l	95
80) 1,3,5-Trimethylbenzene	12.737	105	61740	2.737	ug/l	96
84) 1,2,4-Trimethylbenzene	13.042	105	63910	2.839	ug/l	97

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

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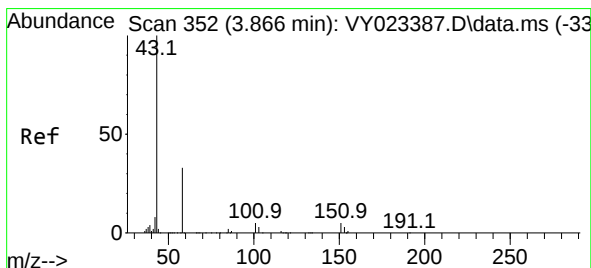
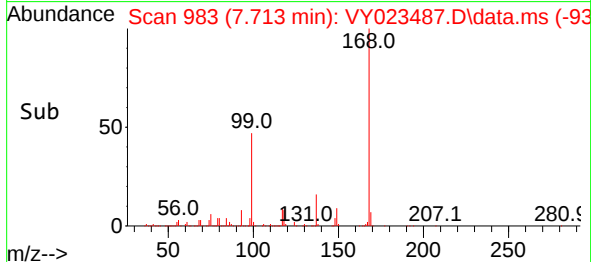
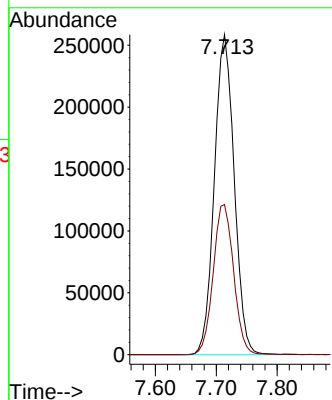
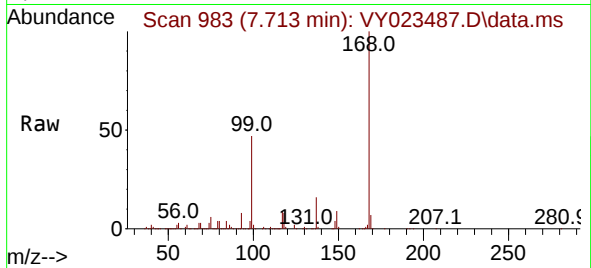




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY023487.D
Acq: 16 Oct 2025 13:27

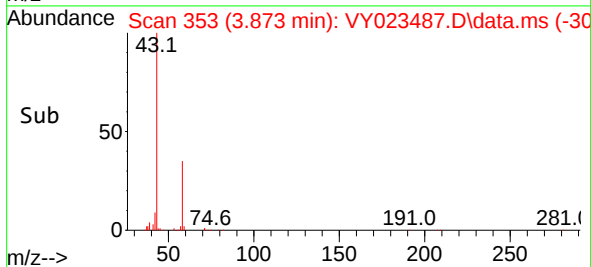
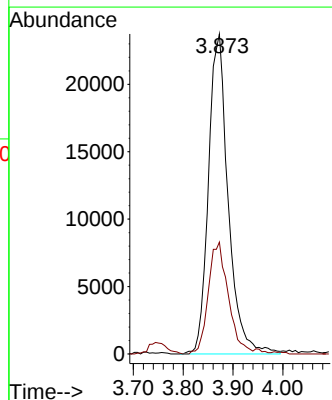
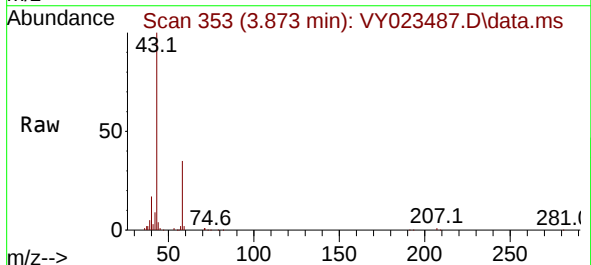
Instrument :
MSVOA_Y
ClientSampleId :
PR132-SO1-039085-20251015

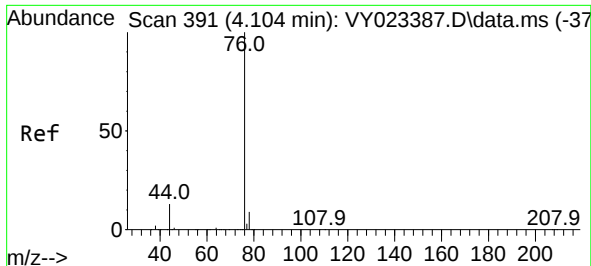
Tgt Ion:168 Resp: 585385
Ion Ratio Lower Upper
168 100
99 46.9 39.7 59.5



#16
Acetone
Concen: 55.961 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.006 min
Lab File: VY023487.D
Acq: 16 Oct 2025 13:27

Tgt Ion: 43 Resp: 65215
Ion Ratio Lower Upper
43 100
58 34.7 27.7 41.5

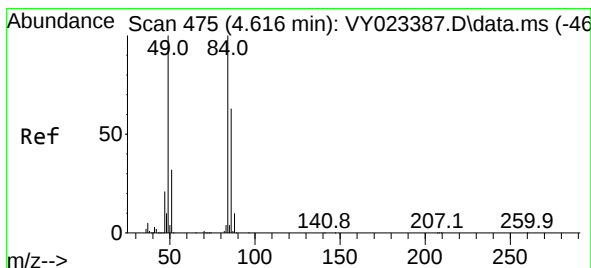
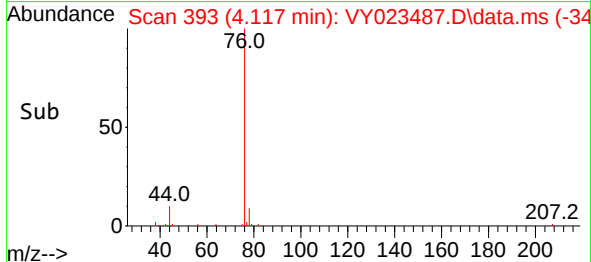
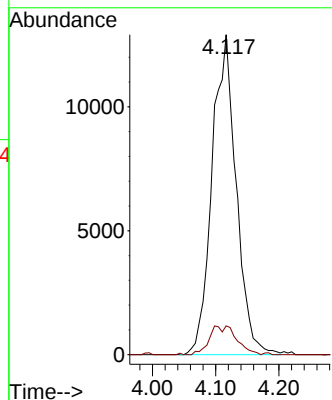
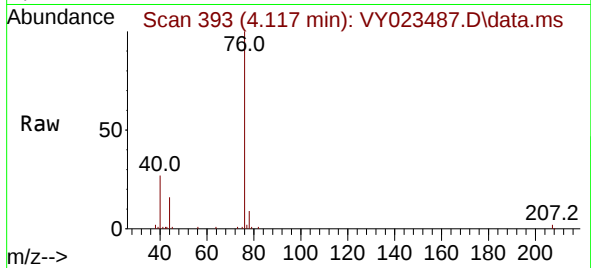




#17
Carbon Disulfide
Concen: 2.291 ug/l
RT: 4.117 min Scan# 391
Delta R.T. 0.012 min
Lab File: VY023487.D
Acq: 16 Oct 2025 13:27

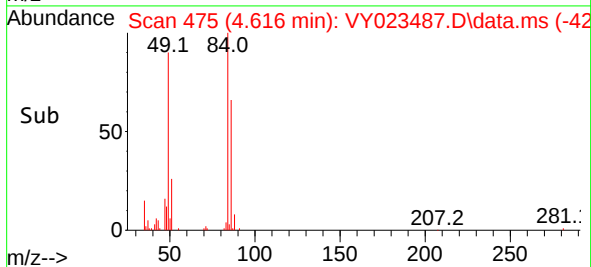
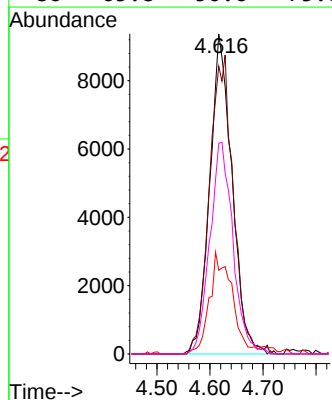
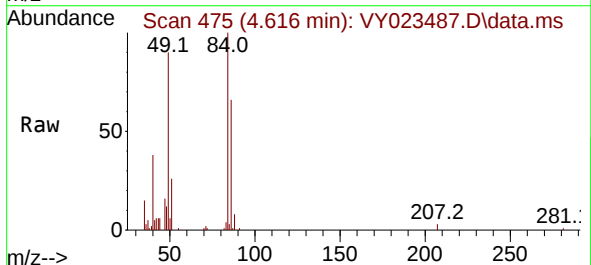
Instrument : MSVOA_Y
ClientSampleId : PR132-SO1-039085-20251015

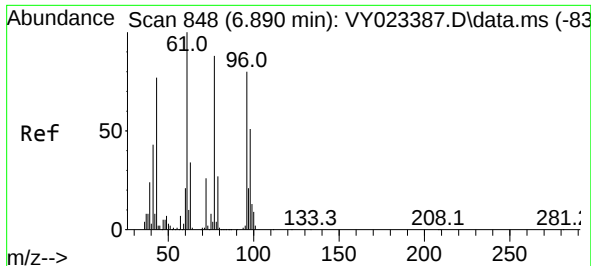
Tgt Ion: 76 Resp: 34244
Ion Ratio Lower Upper
76 100
78 9.0 7.3 10.9



#20
Methylene Chloride
Concen: 4.344 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY023487.D
Acq: 16 Oct 2025 13:27

Tgt Ion: 84 Resp: 27375
Ion Ratio Lower Upper
84 100
49 89.9 80.2 120.4
51 26.2 25.9 38.9
86 65.8 50.6 75.8





#25

2-Butanone

Concen: 17.698 ug/l

RT: 6.903 min Scan# 848

Delta R.T. 0.012 min

Lab File: VY023487.D

Acq: 16 Oct 2025 13:27

Instrument :

MSVOA_Y

ClientSampleId :

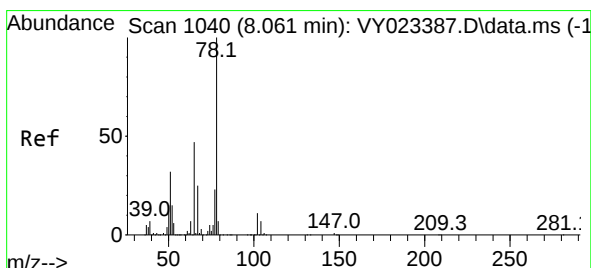
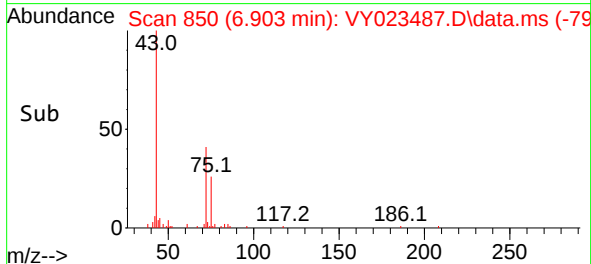
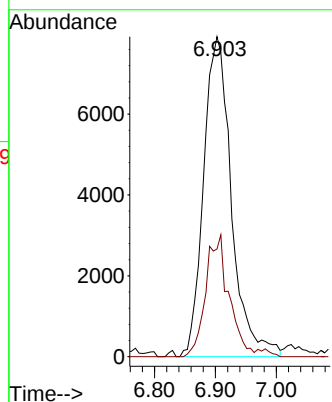
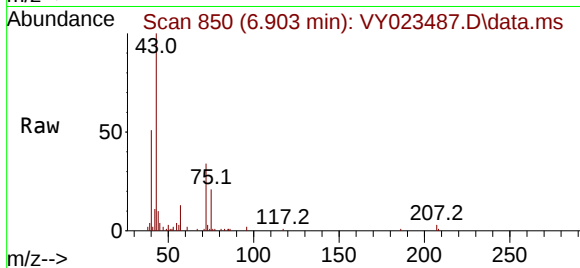
PR132-SO1-039085-20251015

Tgt Ion: 43 Resp: 25179

Ion Ratio Lower Upper

43 100

72 33.6 27.4 41.2



#33

1,2-Dichloroethane-d4

Concen: 62.017 ug/l

RT: 8.067 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VY023487.D

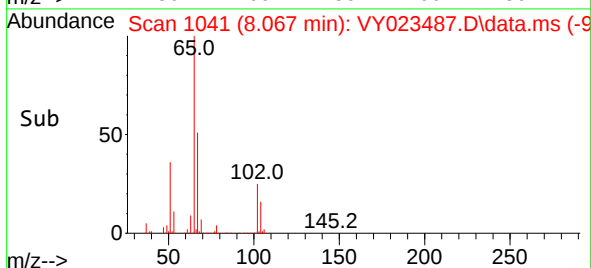
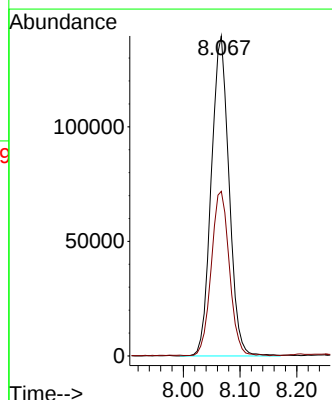
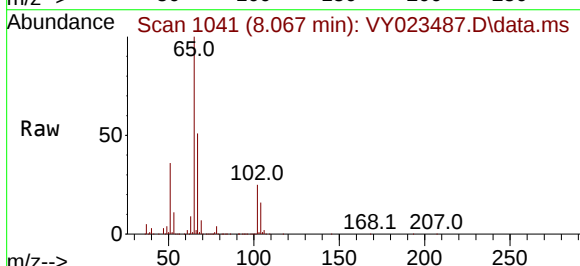
Acq: 16 Oct 2025 13:27

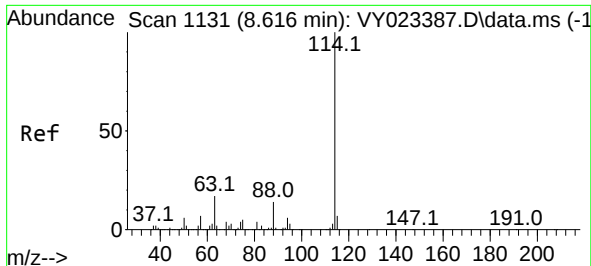
Tgt Ion: 65 Resp: 303580

Ion Ratio Lower Upper

65 100

67 52.2 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: VY023487.D

Acq: 16 Oct 2025 13:27

Instrument :

MSVOA_Y

ClientSampleId :

PR132-SO1-039085-20251015

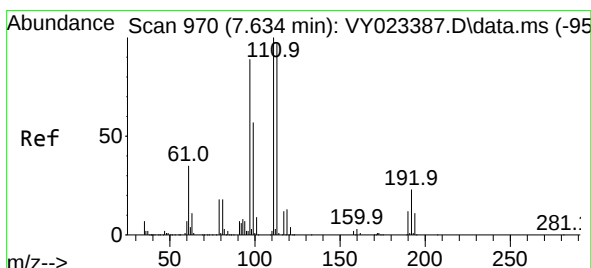
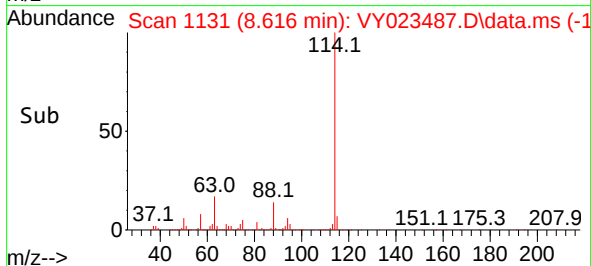
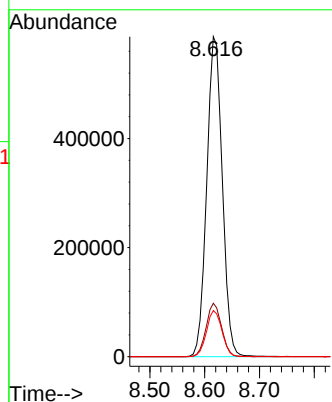
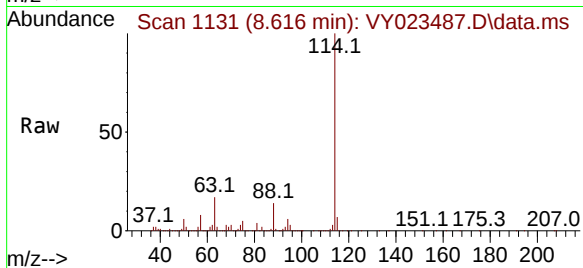
Tgt Ion:114 Resp: 1153355

Ion Ratio Lower Upper

114 100

63 16.7 0.0 34.2

88 14.4 0.0 28.4



#35

Dibromofluoromethane

Concen: 53.283 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.006 min

Lab File: VY023487.D

Acq: 16 Oct 2025 13:27

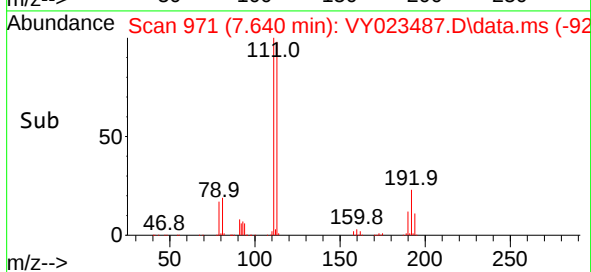
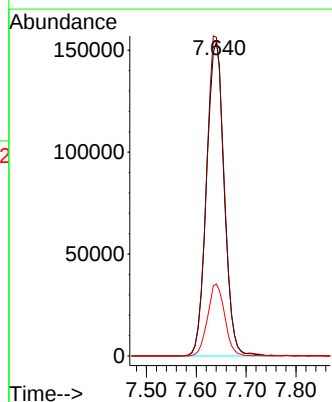
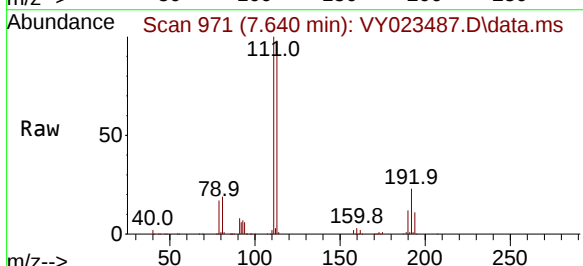
Tgt Ion:113 Resp: 377610

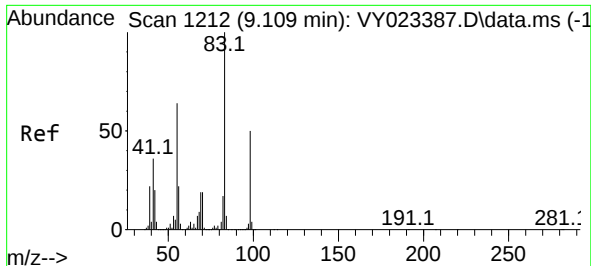
Ion Ratio Lower Upper

113 100

111 102.3 81.8 122.6

192 22.3 18.0 27.0





#39

Methylcyclohexane

Concen: 5.884 ug/l

RT: 9.110 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY023487.D

Acq: 16 Oct 2025 13:27

Instrument :

MSVOA_Y

ClientSampleId :

PR132-SO1-039085-20251015

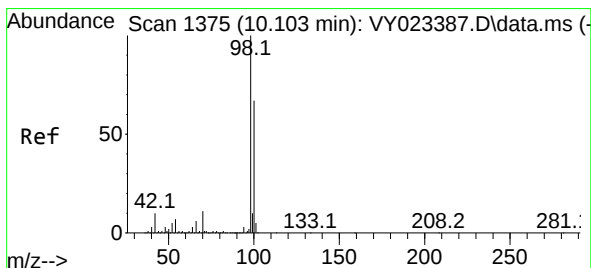
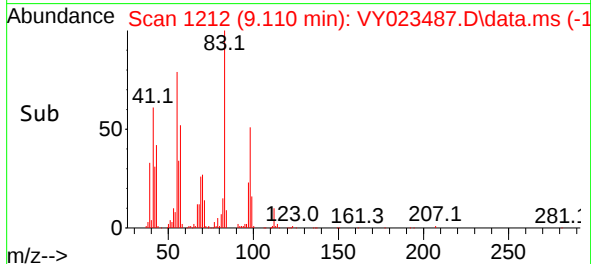
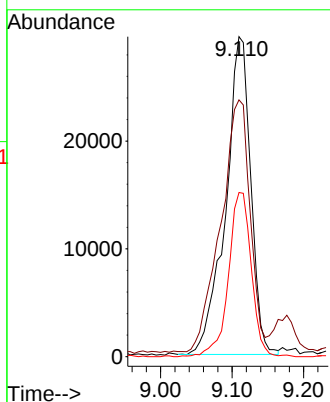
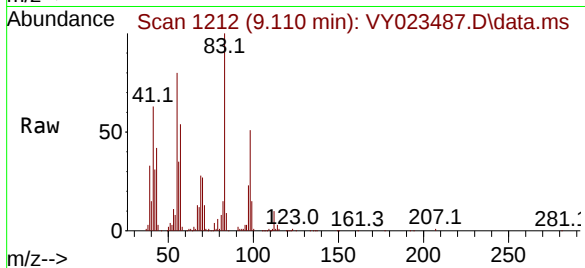
Tgt Ion: 83 Resp: 71872

Ion Ratio Lower Upper

83 100

55 79.2 51.4 77.2#

98 51.7 40.4 60.6



#50

Toluene-d8

Concen: 51.713 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.006 min

Lab File: VY023487.D

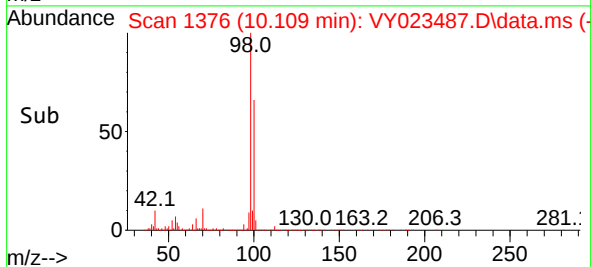
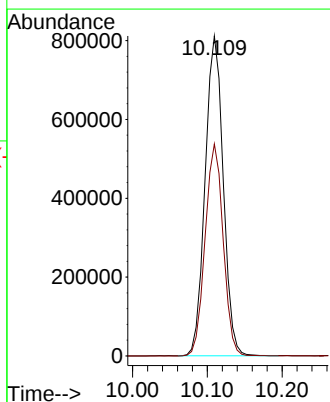
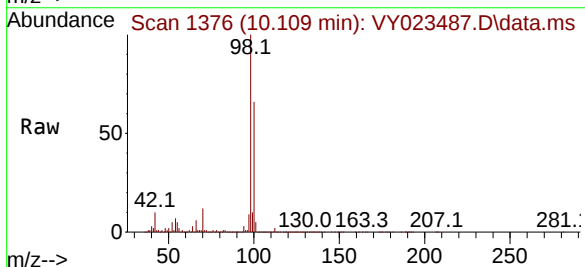
Acq: 16 Oct 2025 13:27

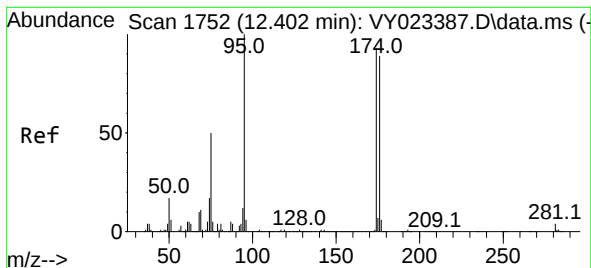
Tgt Ion: 98 Resp: 1364804

Ion Ratio Lower Upper

98 100

100 66.1 53.0 79.4

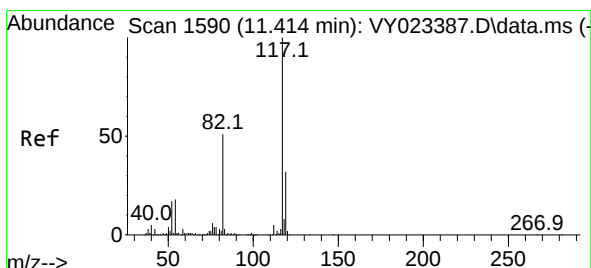
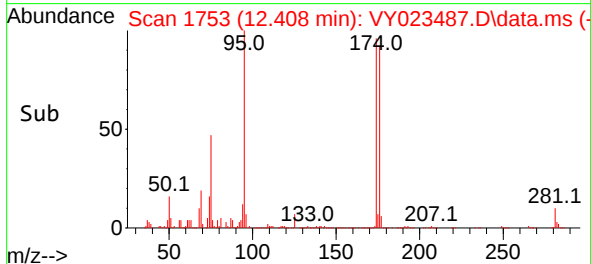
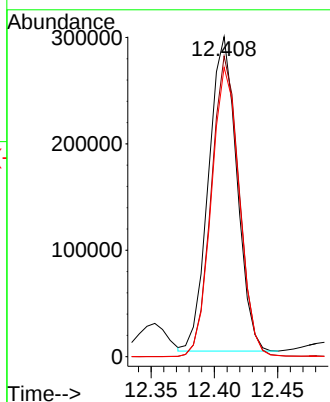
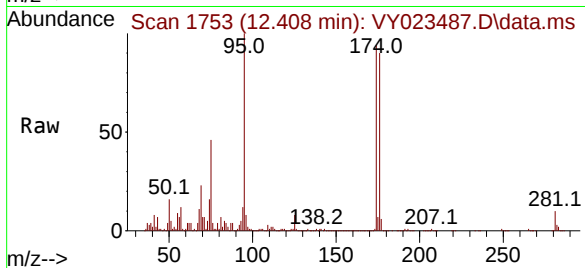




#62
4-Bromofluorobenzene
Concen: 52.665 ug/l
RT: 12.408 min Scan# 1752
Delta R.T. 0.006 min
Lab File: VY023487.D
Acq: 16 Oct 2025 13:27

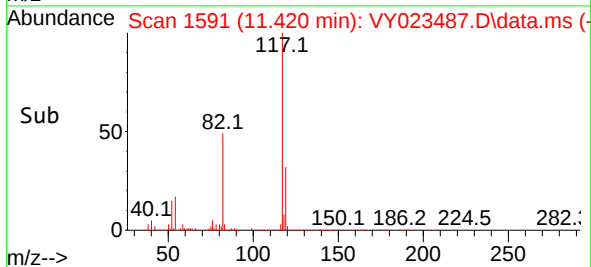
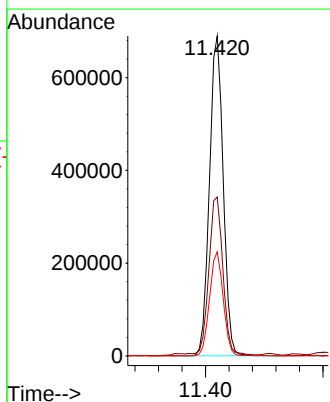
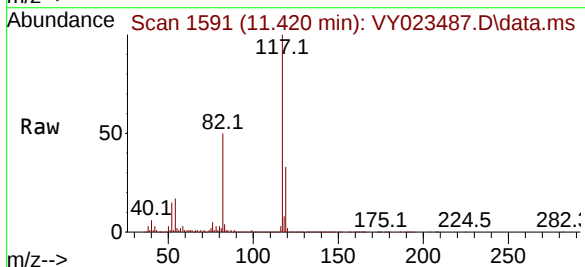
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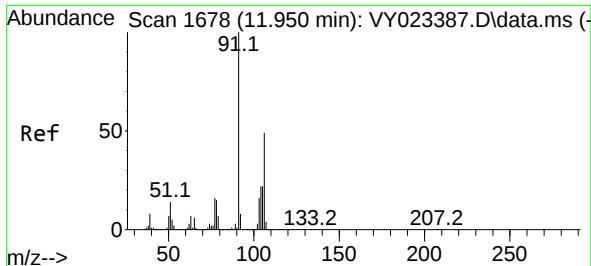
Tgt Ion:	95	Resp:	458890
Ion	Ratio	Lower	Upper
95	100		
174	94.6	0.0	192.8
176	91.8	0.0	187.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY023487.D
Acq: 16 Oct 2025 13:27

Tgt Ion:	117	Resp:	1121069
Ion	Ratio	Lower	Upper
117	100		
82	49.3	41.0	61.4
119	32.5	25.6	38.4

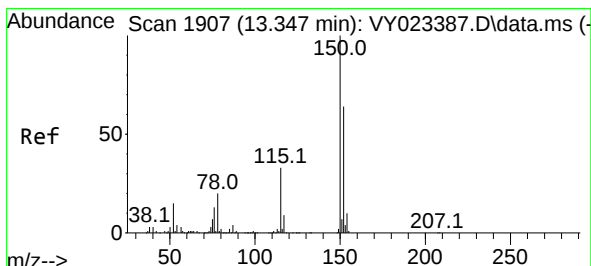
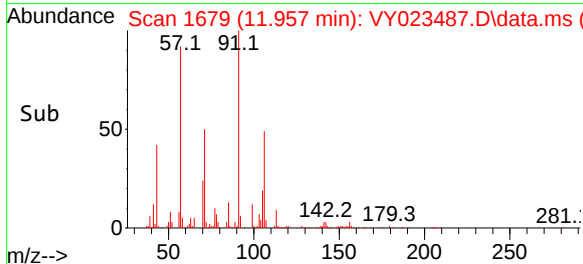
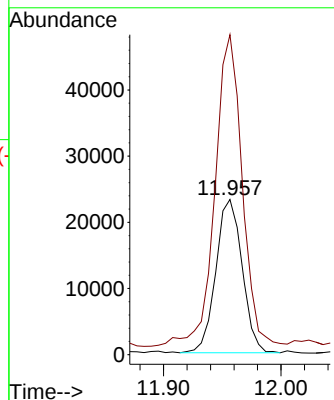
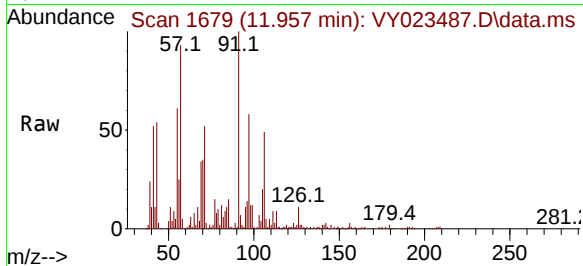




#69
o-Xylene
Concen: 2.431 ug/l
RT: 11.957 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023487.D
Acq: 16 Oct 2025 13:27

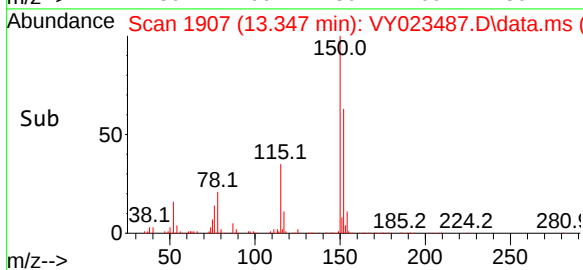
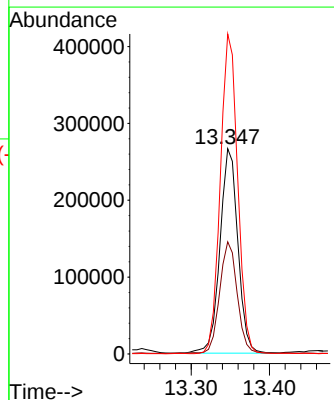
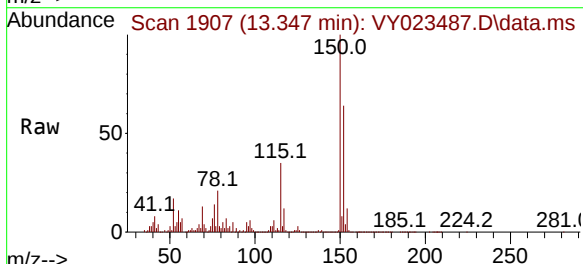
Instrument :
MSVOA_Y
ClientSampleId :
PR132-SO1-039085-20251015

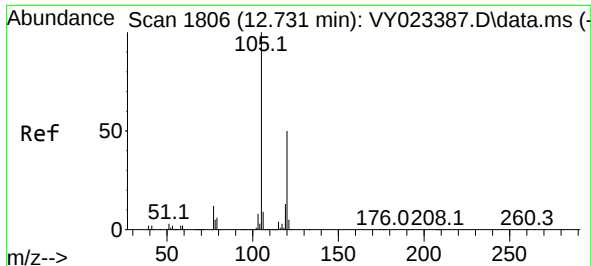
Tgt Ion:106 Resp: 36100
Ion Ratio Lower Upper
106 100
91 210.8 101.4 304.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.347 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY023487.D
Acq: 16 Oct 2025 13:27

Tgt Ion:152 Resp: 423616
Ion Ratio Lower Upper
152 100
115 53.9 27.1 81.2
150 151.1 0.0 347.4

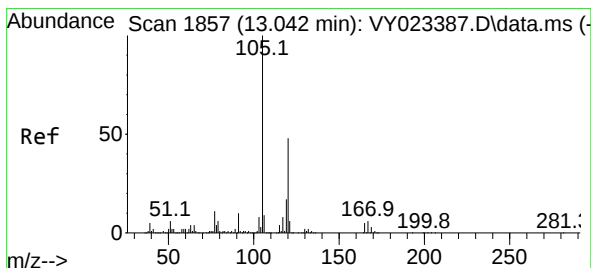
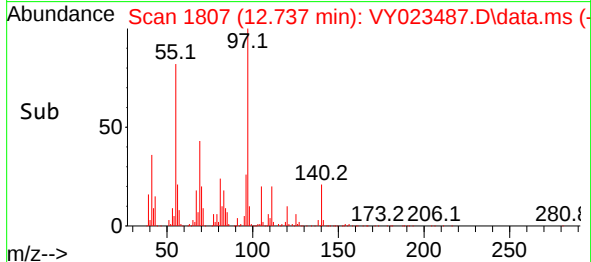
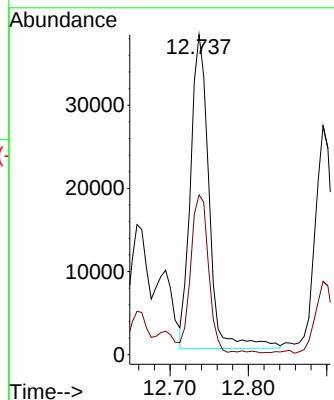
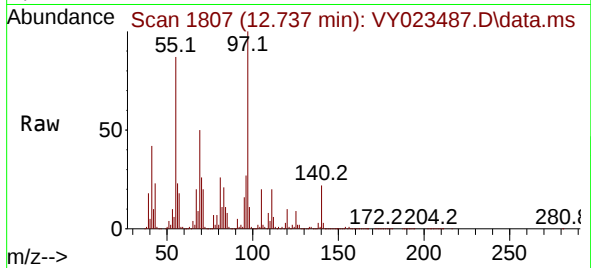




#80
1,3,5-Trimethylbenzene
Concen: 2.737 ug/l
RT: 12.737 min Scan# 1806
Delta R.T. 0.006 min
Lab File: VY023487.D
Acq: 16 Oct 2025 13:27

Instrument : MSVOA_Y
ClientSampleId : PR132-SO1-039085-20251015

Tgt Ion:105 Resp: 61740
Ion Ratio Lower Upper
105 100
120 48.0 25.4 76.4



#84
1,2,4-Trimethylbenzene
Concen: 2.839 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. 0.000 min
Lab File: VY023487.D
Acq: 16 Oct 2025 13:27

Tgt Ion:105 Resp: 63910
Ion Ratio Lower Upper
105 100
120 45.7 23.8 71.2

