

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101025\
 Data File : VY023436.D
 Acq On : 10 Oct 2025 14:03
 Operator : SY/MD
 Sample : Q3323-03
 Misc : 8.75g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SED-03-0-2

Quant Time: Oct 11 01:57:53 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)

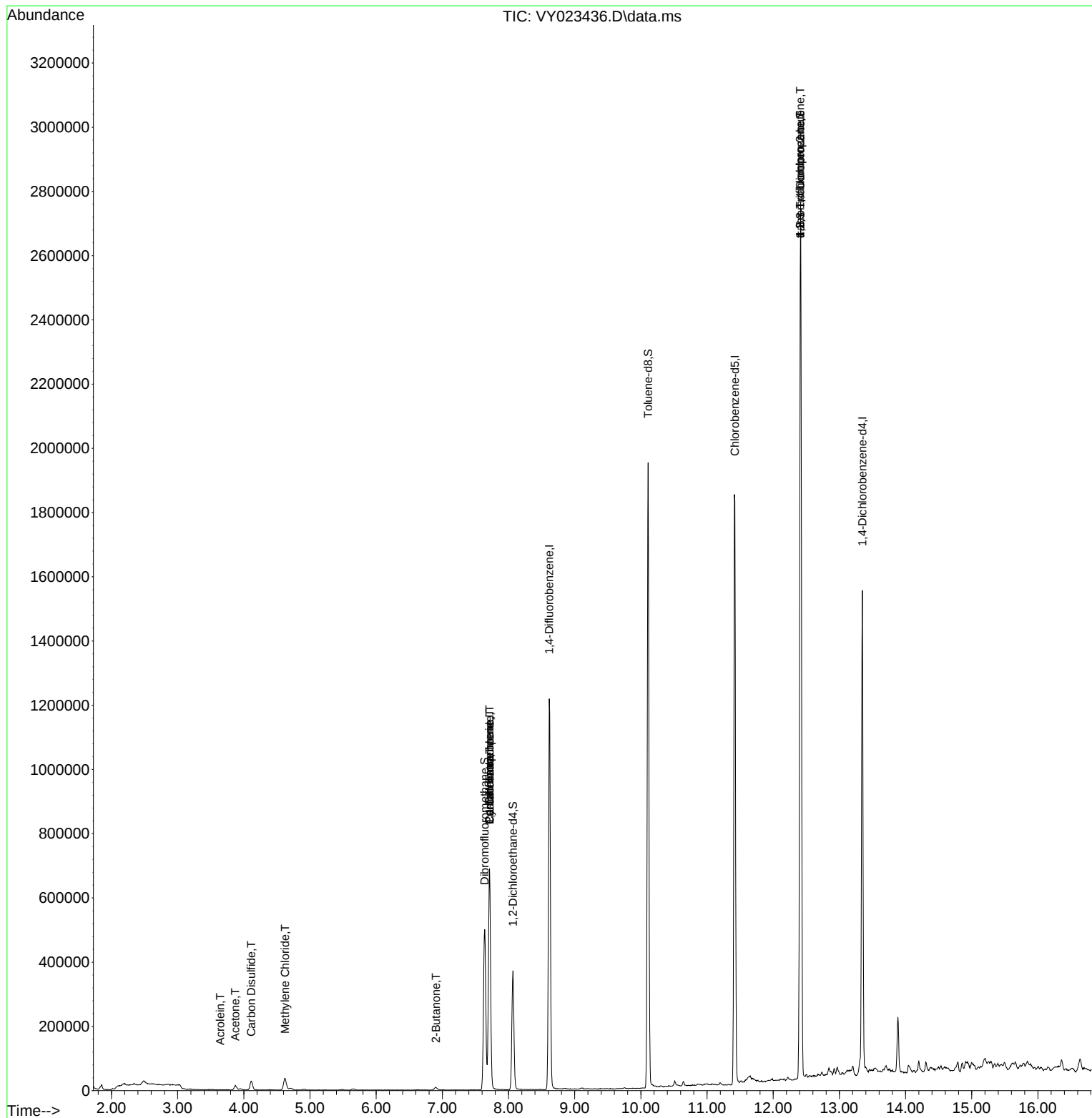
Internal Standards						
1) Pentafluorobenzene	7.713	168	573947	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1114100	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1082536	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	408123	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	282871	58.938	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 117.880%	
35) Dibromofluoromethane	7.640	113	362612	52.970	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.940%	
50) Toluene-d8	10.109	98	1315087	51.585	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 103.160%	
62) 4-Bromofluorobenzene	12.408	95	435562	51.749	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 103.500%	
Target Compounds						
					Qvalue	
13) Acrolein	3.641	56	920	1.824	ug/l #	15
16) Acetone	3.872	43	23425	20.502	ug/l	100
17) Carbon Disulfide	4.110	76	55688	3.800	ug/l	99
20) Methylene Chloride	4.622	84	29428	4.763	ug/l	98
25) 2-Butanone	6.902	43	7249	5.197	ug/l	91
31) Cyclohexane	7.713	56	10119	1.267	ug/l #	13
36) 1,1-Dichloropropene	7.713	75	37799	4.171	ug/l #	47
38) Carbon Tetrachloride	7.713	117	52635	4.790	ug/l #	17
76) 1,2,3-Trichloropropane	12.408	75	218987	60.817	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	218987	149.136	ug/l #	16

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

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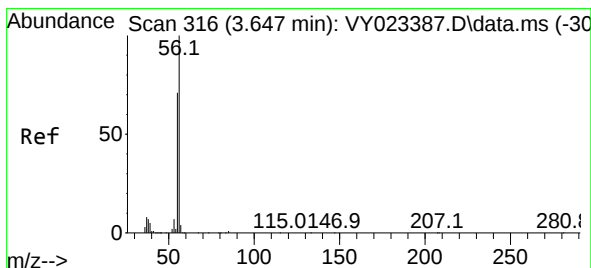
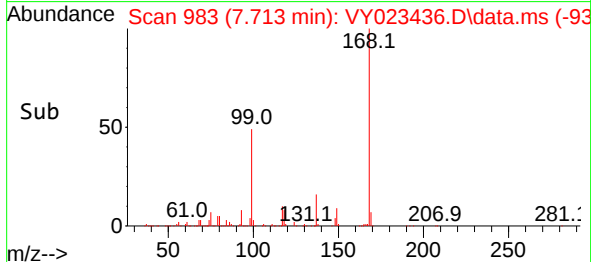
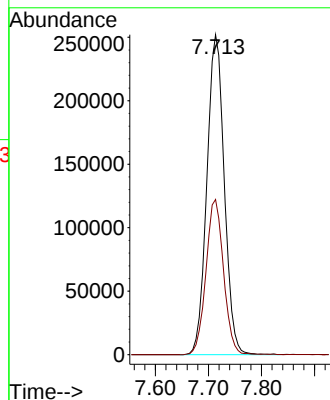
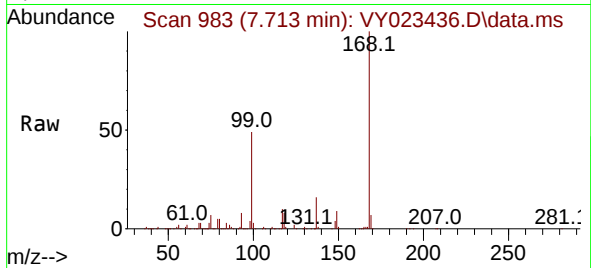




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023436.D
Acq: 10 Oct 2025 14:03

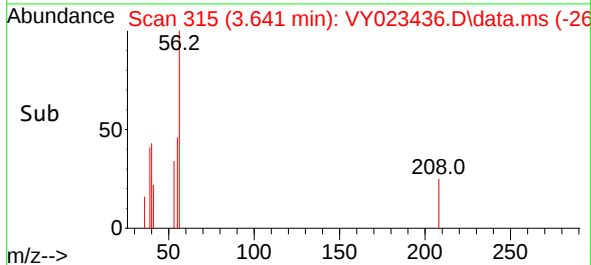
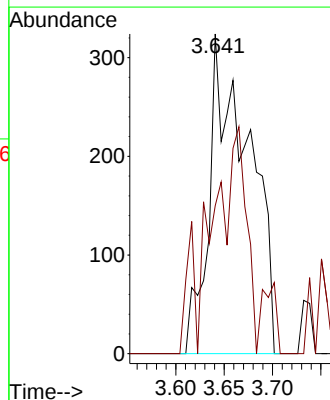
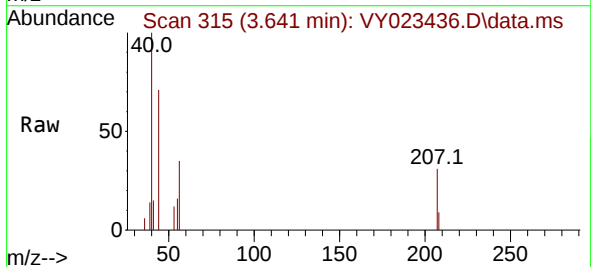
Instrument :
MSVOA_Y
ClientSampleId :
SED-03-0-2

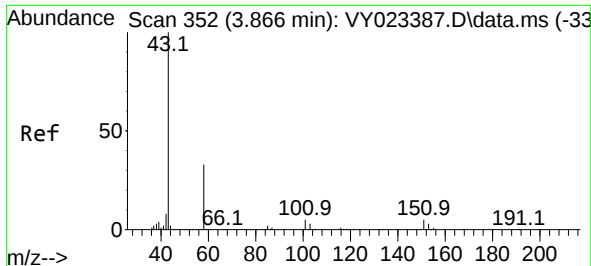
Tgt Ion:168 Resp: 573947
Ion Ratio Lower Upper
168 100
99 48.5 39.7 59.5



#13
Acrolein
Concen: 1.824 ug/l
RT: 3.641 min Scan# 315
Delta R.T. -0.006 min
Lab File: VY023436.D
Acq: 10 Oct 2025 14:03

Tgt Ion: 56 Resp: 920
Ion Ratio Lower Upper
56 100
55 0.0 56.1 84.1#

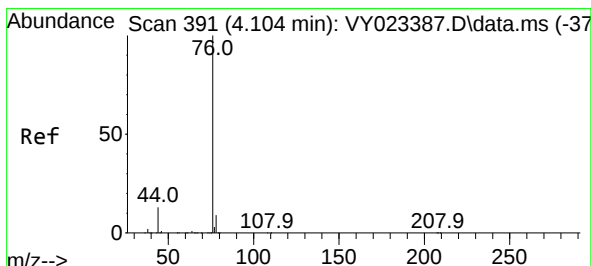
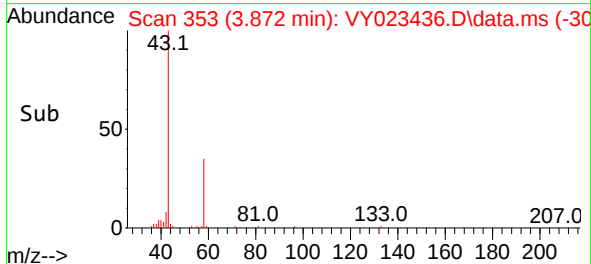
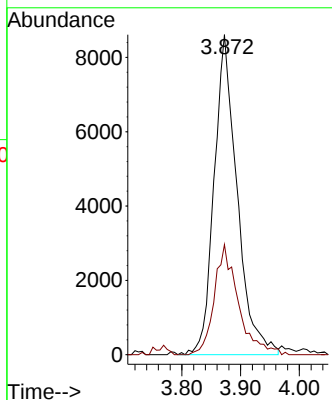
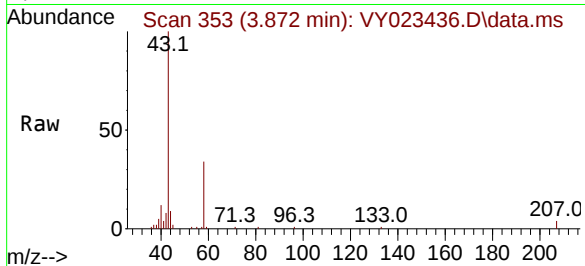




#16
Acetone
Concen: 20.502 ug/l
RT: 3.872 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY023436.D
Acq: 10 Oct 2025 14:03

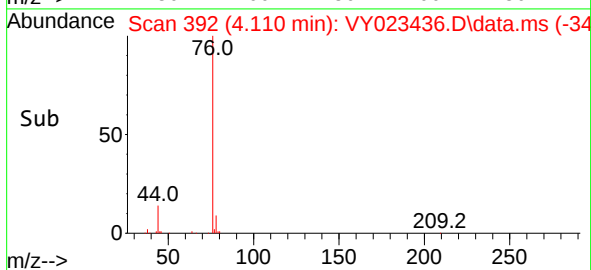
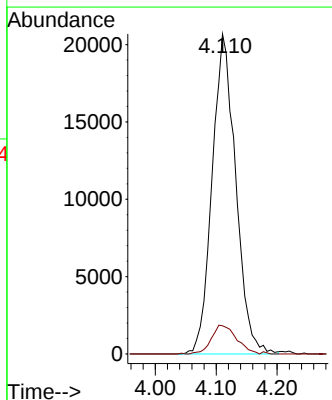
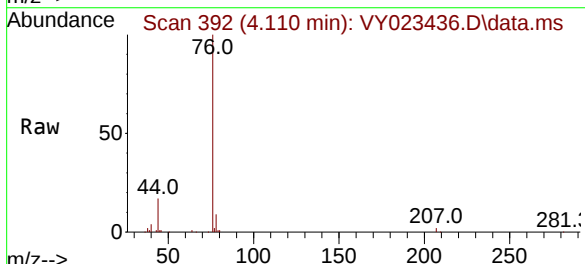
Instrument :
MSVOA_Y
ClientSampleId :
SED-03-0-2

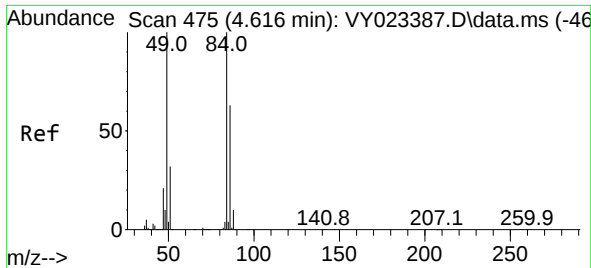
Tgt Ion: 43 Resp: 23425
Ion Ratio Lower Upper
43 100
58 34.4 27.7 41.5



#17
Carbon Disulfide
Concen: 3.800 ug/l
RT: 4.110 min Scan# 392
Delta R.T. 0.006 min
Lab File: VY023436.D
Acq: 10 Oct 2025 14:03

Tgt Ion: 76 Resp: 55688
Ion Ratio Lower Upper
76 100
78 8.8 7.3 10.9

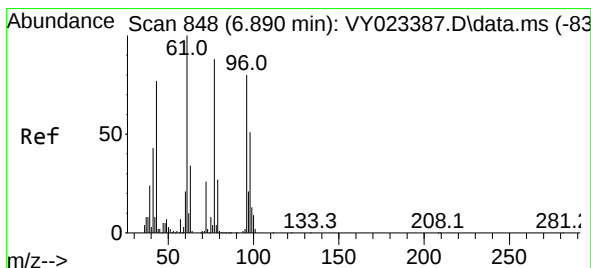
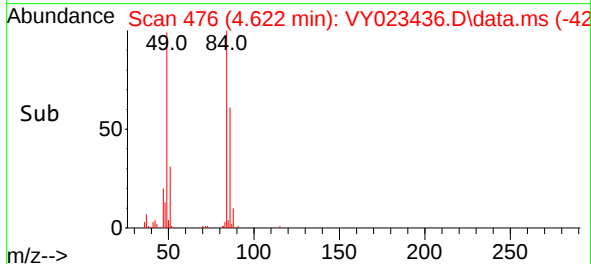
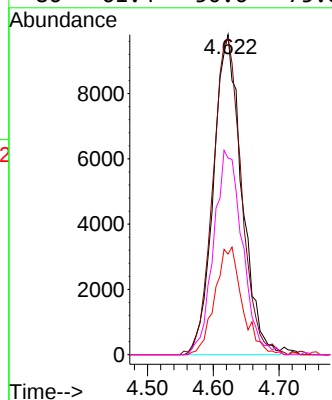
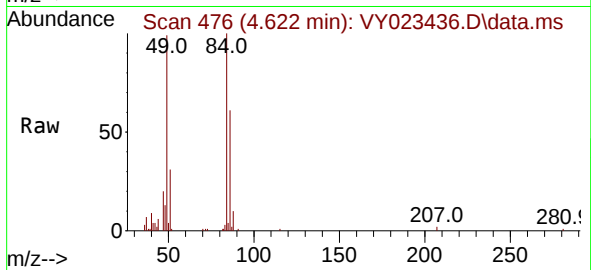




#20
Methylene Chloride
Concen: 4.763 ug/l
RT: 4.622 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY023436.D
Acq: 10 Oct 2025 14:03

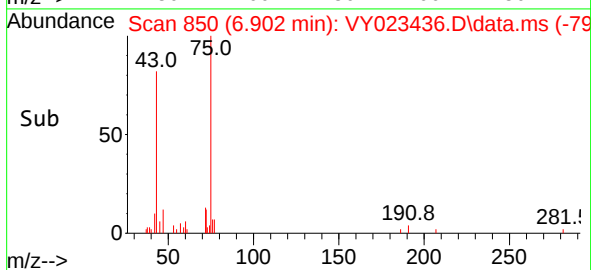
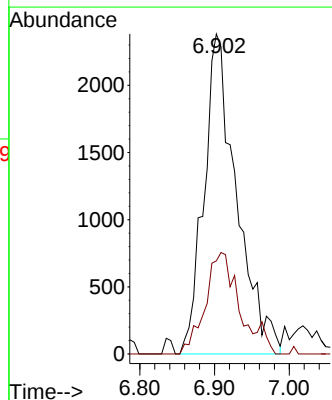
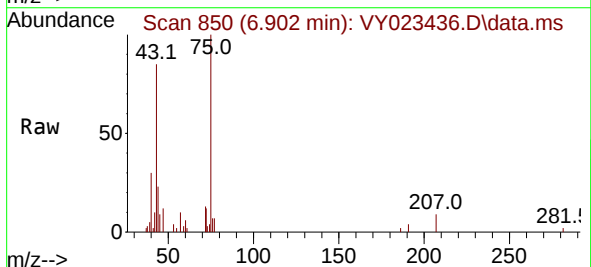
Instrument :
MSVOA_Y
ClientSampleId :
SED-03-0-2

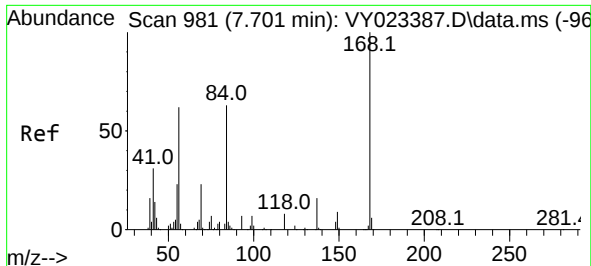
Tgt Ion:	84	Resp:	29428
Ion	Ratio	Lower	Upper
84	100		
49	98.9	80.2	120.4
51	31.4	25.9	38.9
86	61.4	50.6	75.8



#25
2-Butanone
Concen: 5.197 ug/l
RT: 6.902 min Scan# 850
Delta R.T. 0.012 min
Lab File: VY023436.D
Acq: 10 Oct 2025 14:03

Tgt Ion:	43	Resp:	7249
Ion	Ratio	Lower	Upper
43	100		
72	29.1	27.4	41.2

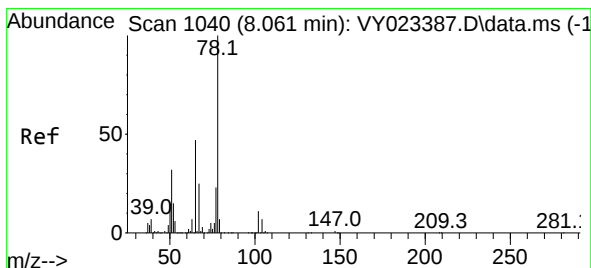
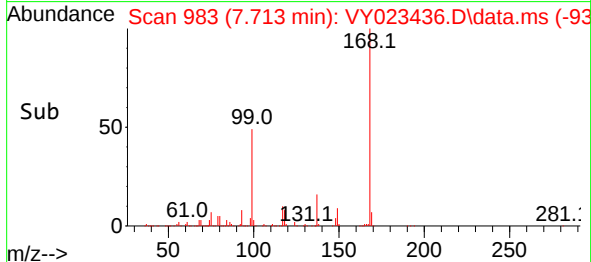
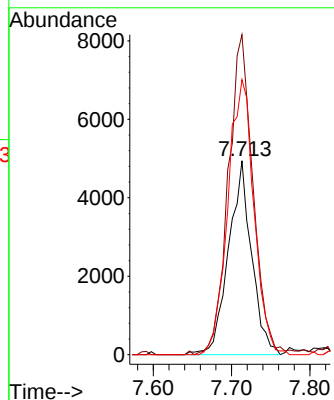
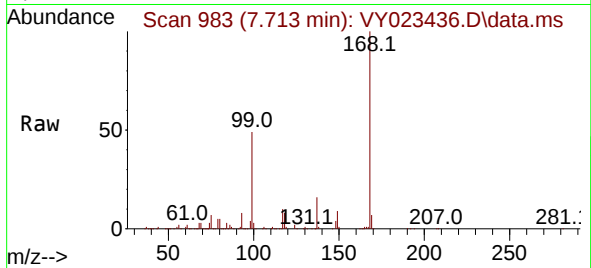




#31
Cyclohexane
Concen: 1.267 ug/l
RT: 7.713 min Scan# 981
Delta R.T. 0.012 min
Lab File: VY023436.D
Acq: 10 Oct 2025 14:03

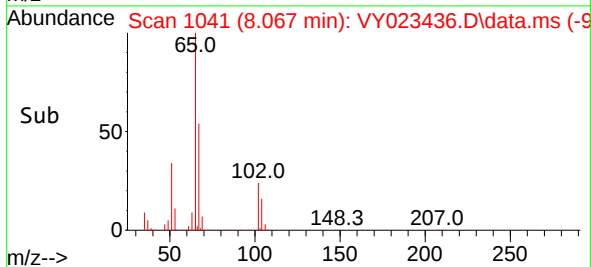
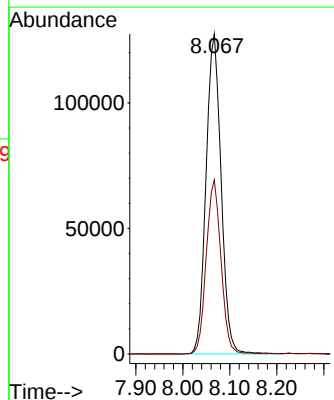
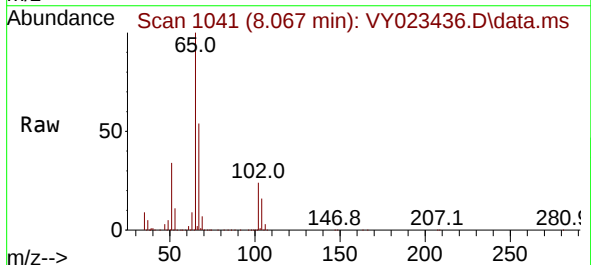
Instrument :
MSVOA_Y
ClientSampleId :
SED-03-0-2

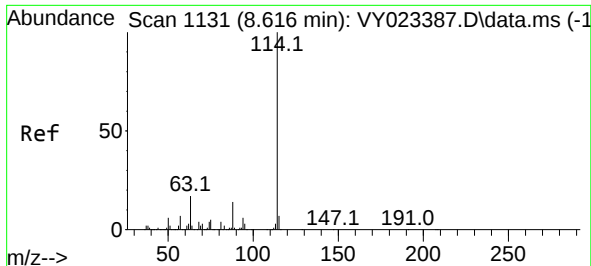
Tgt Ion: 56 Resp: 10119
Ion Ratio Lower Upper
56 100
69 165.0 30.0 45.0#
84 141.8 81.2 121.8#



#33
1,2-Dichloroethane-d4
Concen: 58.938 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY023436.D
Acq: 10 Oct 2025 14:03

Tgt Ion: 65 Resp: 282871
Ion Ratio Lower Upper
65 100
67 53.2 0.0 105.8

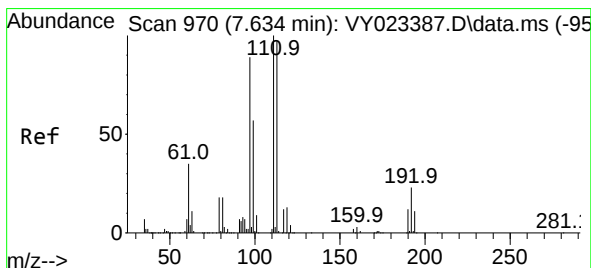
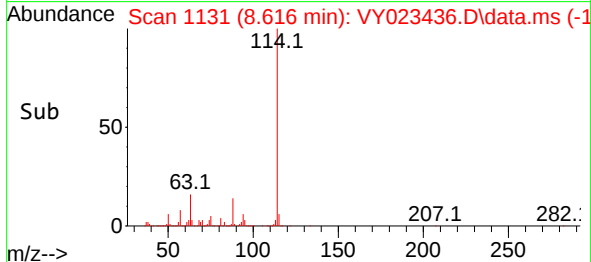
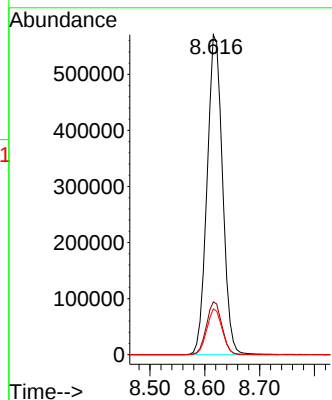
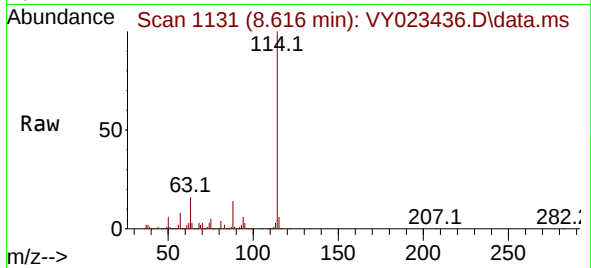




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY023436.D
Acq: 10 Oct 2025 14:03

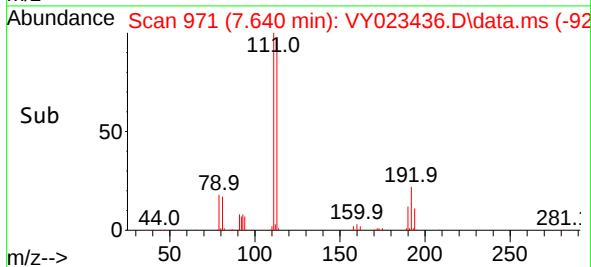
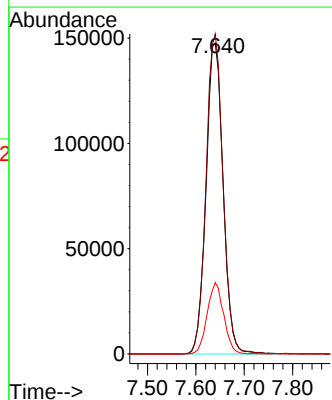
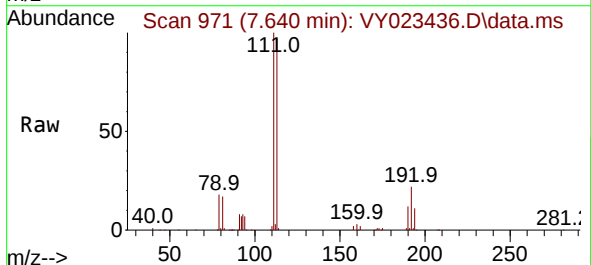
Instrument :
MSVOA_Y
ClientSampleId :
SED-03-0-2

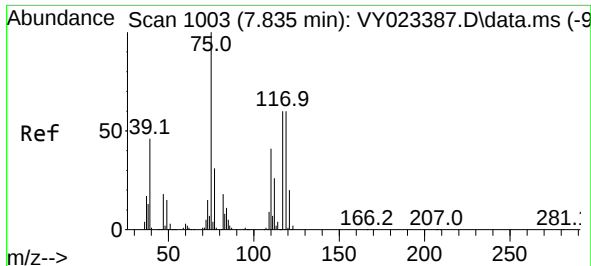
Tgt Ion:114 Resp: 1114100
Ion Ratio Lower Upper
114 100
63 16.5 0.0 34.2
88 14.3 0.0 28.4



#35
Dibromofluoromethane
Concen: 52.970 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.006 min
Lab File: VY023436.D
Acq: 10 Oct 2025 14:03

Tgt Ion:113 Resp: 362612
Ion Ratio Lower Upper
113 100
111 102.3 81.8 122.6
192 22.1 18.0 27.0





#36

1,1-Dichloropropene

Concen: 4.171 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.122 min

Lab File: VY023436.D

Acq: 10 Oct 2025 14:03

Instrument :

MSVOA_Y

ClientSampleId :

SED-03-0-2

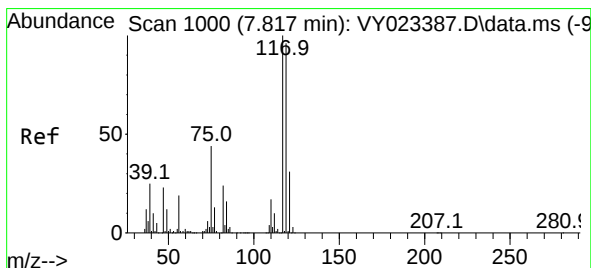
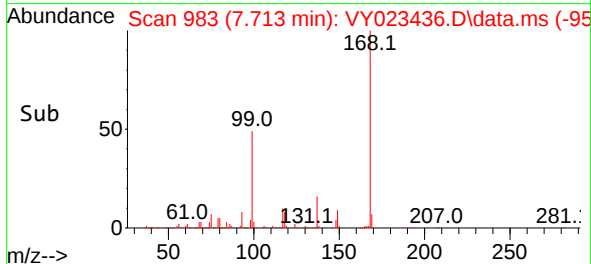
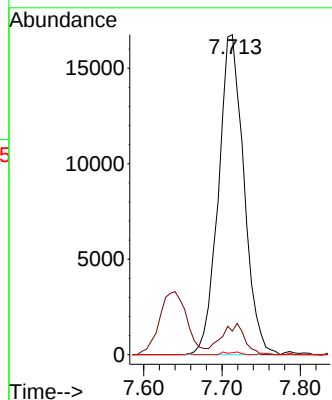
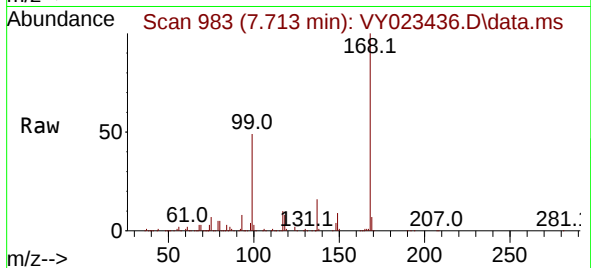
Tgt Ion: 75 Resp: 37799

Ion Ratio Lower Upper

75 100

110 8.7 19.9 59.7#

77 0.5 25.0 37.6#



#38

Carbon Tetrachloride

Concen: 4.790 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.104 min

Lab File: VY023436.D

Acq: 10 Oct 2025 14:03

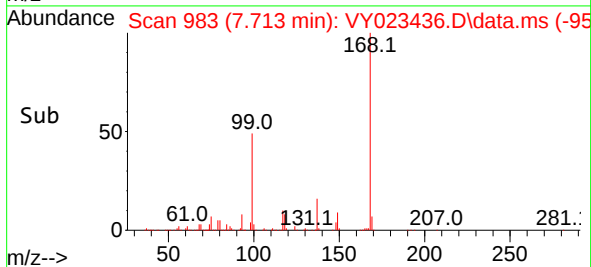
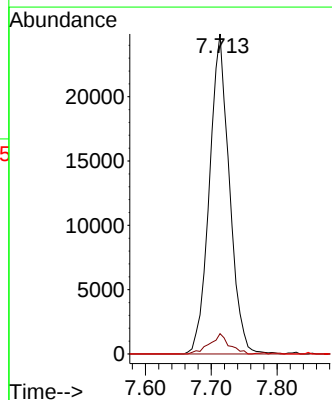
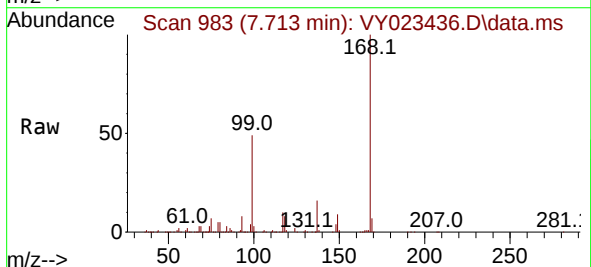
Tgt Ion: 117 Resp: 52635

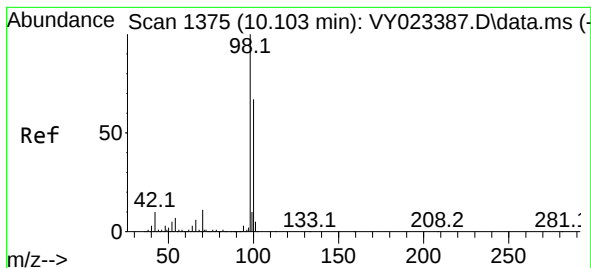
Ion Ratio Lower Upper

117 100

119 6.3 76.8 115.2#

121 0.0 24.5 36.7#





#50

Toluene-d8

Concen: 51.585 ug/l

RT: 10.109 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023436.D

Acq: 10 Oct 2025 14:03

Instrument :

MSVOA_Y

ClientSampleId :

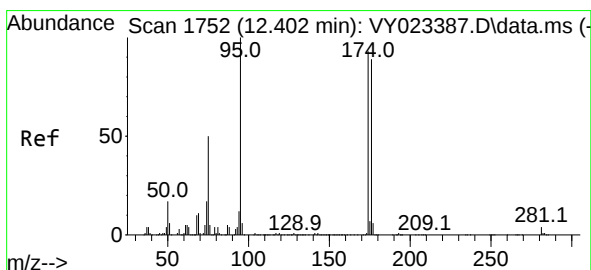
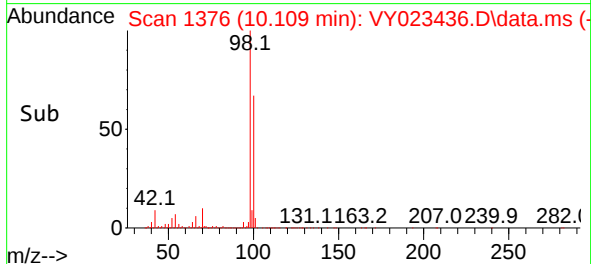
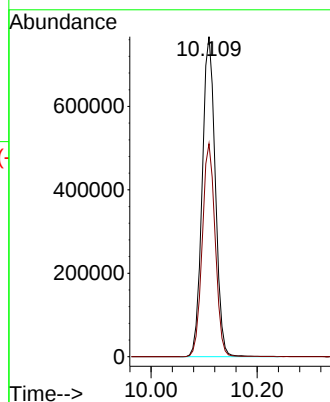
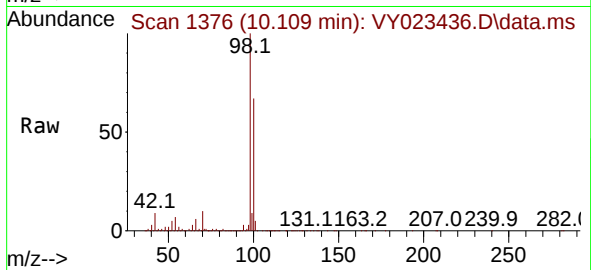
SED-03-0-2

Tgt Ion: 98 Resp: 1315087

Ion Ratio Lower Upper

98 100

100 65.9 53.0 79.4



#62

4-Bromofluorobenzene

Concen: 51.749 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.006 min

Lab File: VY023436.D

Acq: 10 Oct 2025 14:03

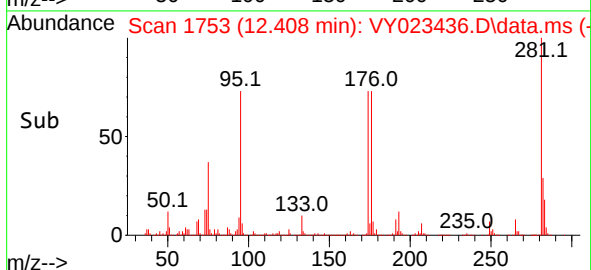
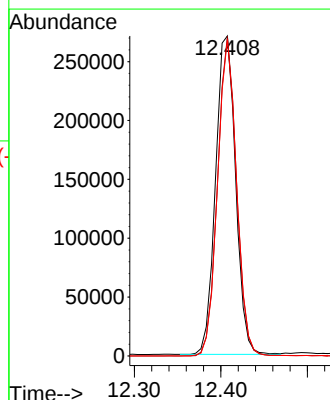
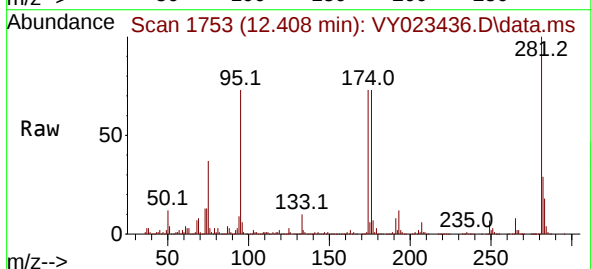
Tgt Ion: 95 Resp: 435562

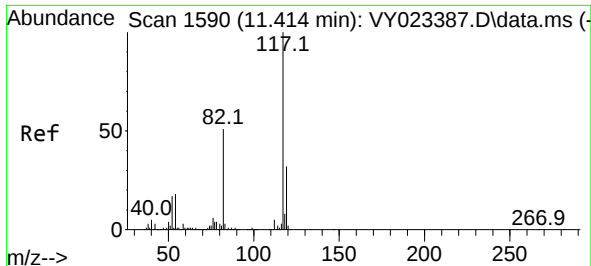
Ion Ratio Lower Upper

95 100

174 94.7 0.0 192.8

176 94.4 0.0 187.6

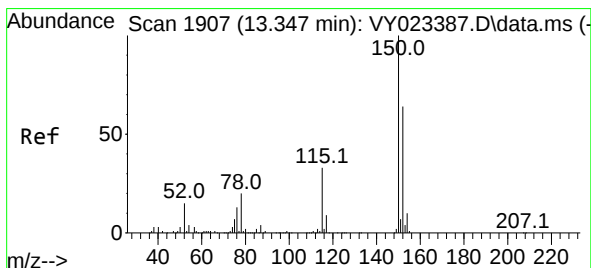
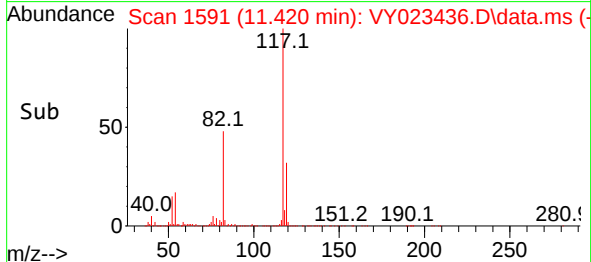
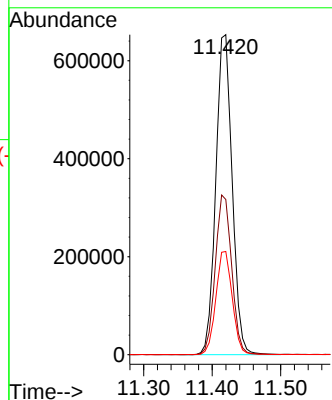
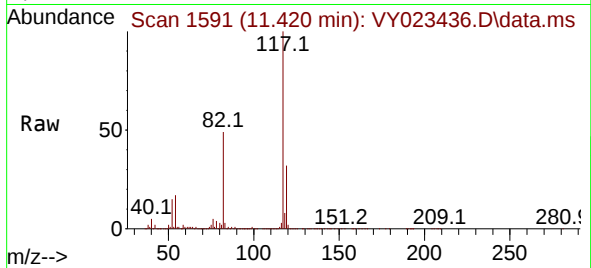




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023436.D
Acq: 10 Oct 2025 14:03

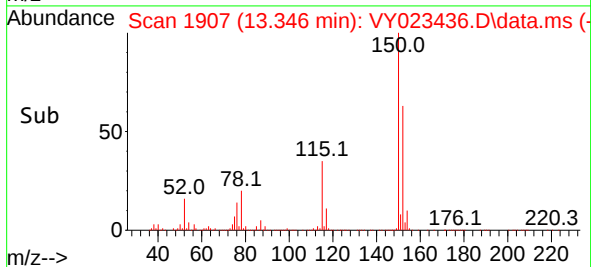
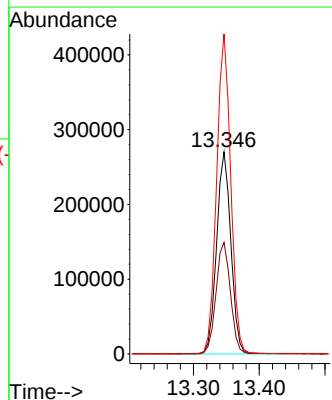
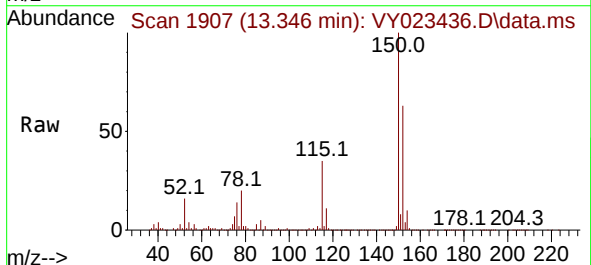
Instrument :
MSVOA_Y
ClientSampleId :
SED-03-0-2

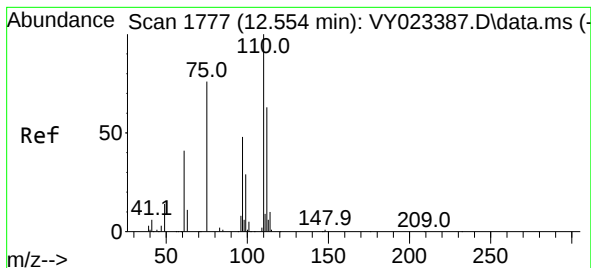
Tgt Ion:117 Resp: 1082536
Ion Ratio Lower Upper
117 100
82 48.5 41.0 61.4
119 32.2 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY023436.D
Acq: 10 Oct 2025 14:03

Tgt Ion:152 Resp: 408123
Ion Ratio Lower Upper
152 100
115 55.3 27.1 81.2
150 156.2 0.0 347.4





#76

1,2,3-Trichloropropane

Concen: 60.817 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY023436.D

Acq: 10 Oct 2025 14:03

Instrument :

MSVOA_Y

ClientSampleId :

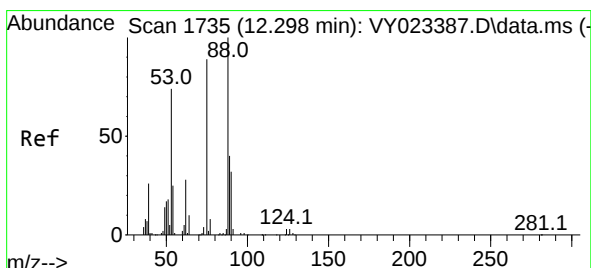
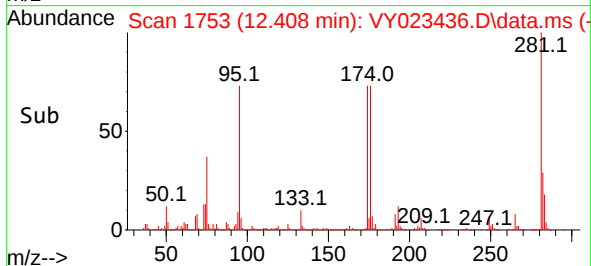
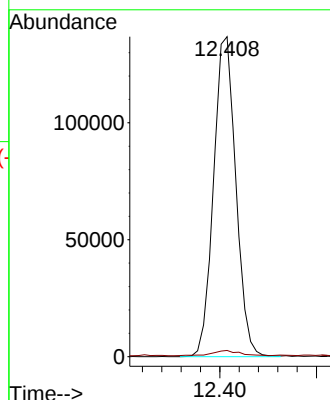
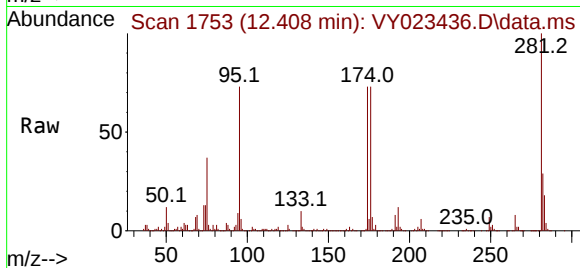
SED-03-0-2

Tgt Ion: 75 Resp: 218987

Ion Ratio Lower Upper

75 100

77 2.0 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 149.136 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.110 min

Lab File: VY023436.D

Acq: 10 Oct 2025 14:03

Tgt Ion: 75 Resp: 218987

Ion Ratio Lower Upper

75 100

53 0.4 68.6 102.8#

89 2.0 39.0 58.4#

