

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101025\
 Data File : VY023438.D
 Acq On : 10 Oct 2025 14:50
 Operator : SY/MD
 Sample : Q3323-05
 Misc : 6.35g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SED-05-0-2

Quant Time: Oct 11 01:58:42 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)

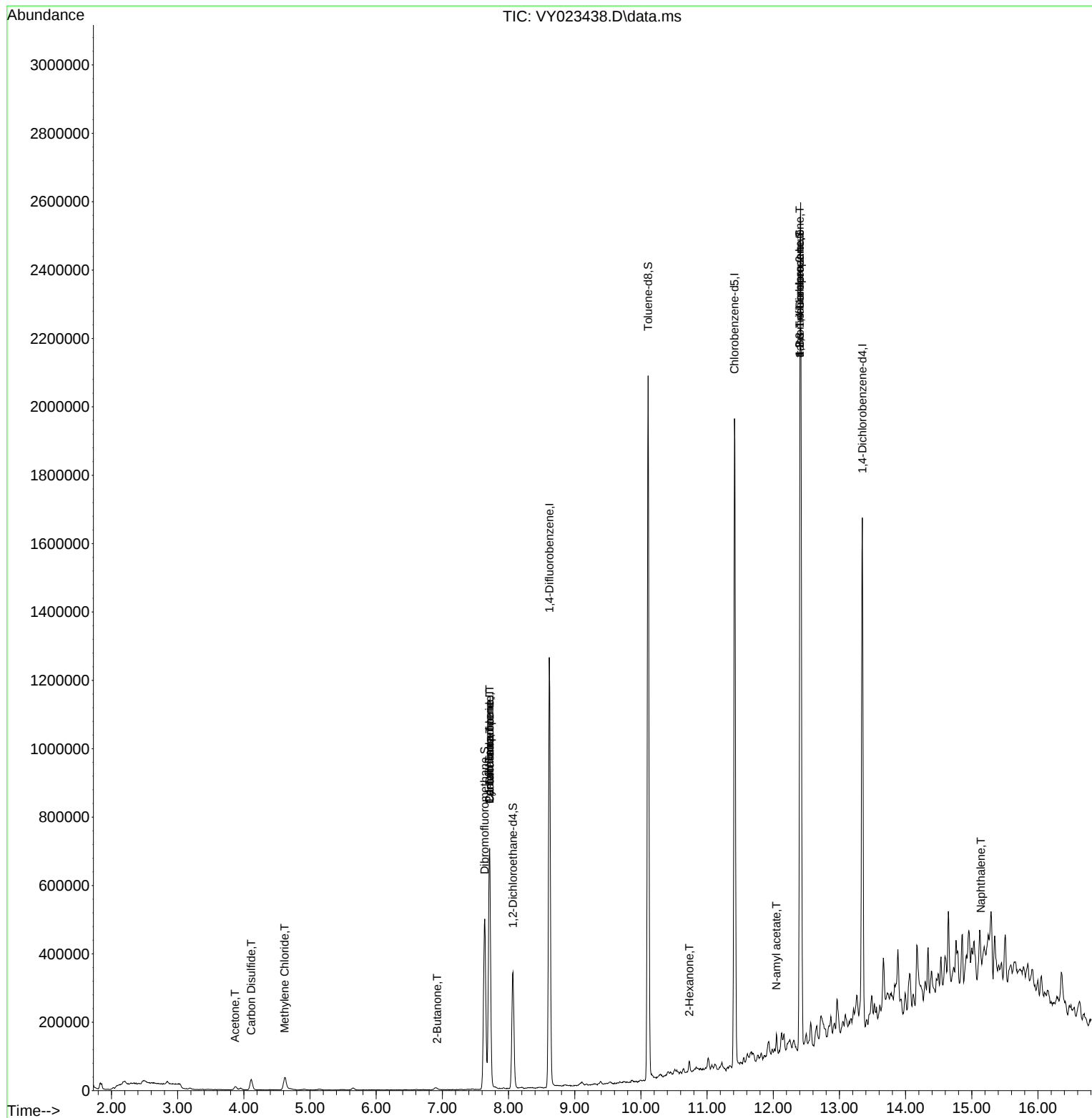
Internal Standards						
1) Pentafluorobenzene	7.713	168	601910	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1138564	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1096445	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	417654	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	267085	53.064	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.120%	
35) Dibromofluoromethane	7.640	113	357605	51.116	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.240%	
50) Toluene-d8	10.109	98	1362460	52.295	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 104.580%	
62) 4-Bromofluorobenzene	12.402	95	439956	51.148	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 102.300%	
Target Compounds						
					Qvalue	
16) Acetone	3.867	43	16100	13.436	ug/l	96
17) Carbon Disulfide	4.110	76	62177	4.046	ug/l	99
20) Methylene Chloride	4.616	84	28104	4.337	ug/l	97
25) 2-Butanone	6.921	43	4772	3.262	ug/l	90
31) Cyclohexane	7.713	56	10684	1.276	ug/l #	1
36) 1,1-Dichloropropene	7.713	75	38010	4.104	ug/l #	48
38) Carbon Tetrachloride	7.713	117	54147	4.821	ug/l #	16
59) 2-Hexanone	10.731	43	11488	4.252	ug/l #	24
74) N-amyl acetate	12.048	43	12282	2.484	ug/l #	61
76) 1,2,3-Trichloropropane	12.402	75	221304	60.058	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	221304	147.274	ug/l #	16
95) Naphthalene	15.139	128	15876	1.280	ug/l #	62

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

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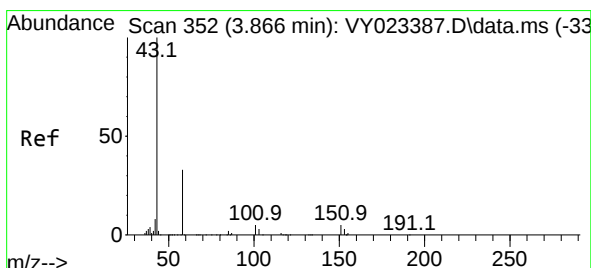
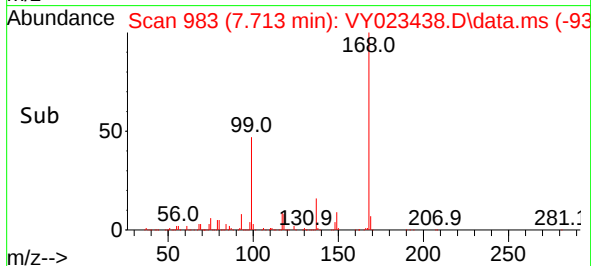
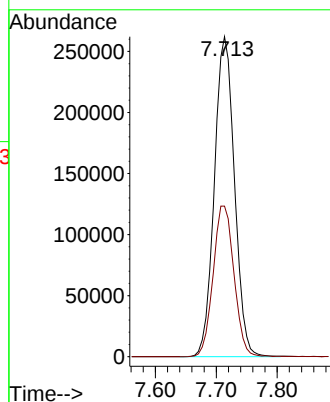
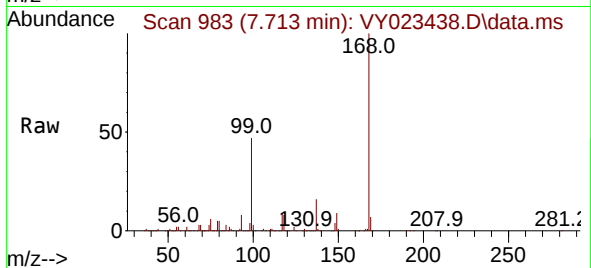




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.006 min
Lab File: VY023438.D
Acq: 10 Oct 2025 14:50

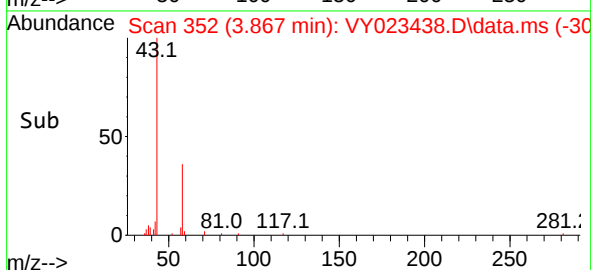
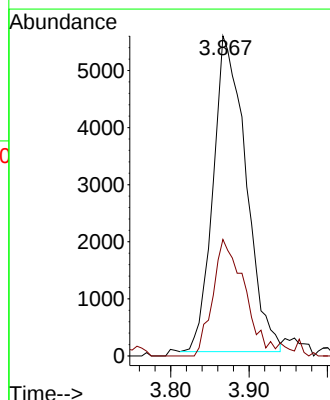
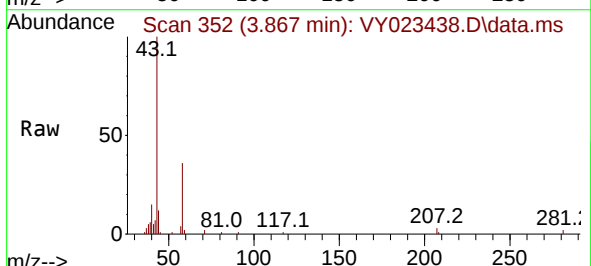
Instrument :
MSVOA_Y
ClientSampleId :
SED-05-0-2

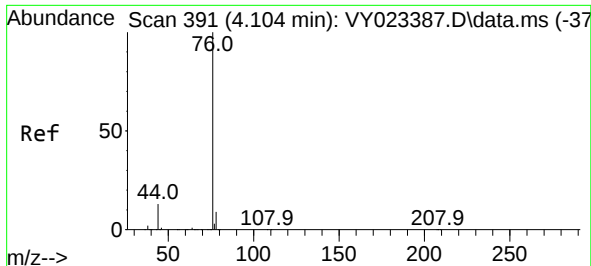
Tgt Ion:168 Resp: 601910
Ion Ratio Lower Upper
168 100
99 47.0 39.7 59.5



#16
Acetone
Concen: 13.436 ug/l
RT: 3.867 min Scan# 352
Delta R.T. 0.000 min
Lab File: VY023438.D
Acq: 10 Oct 2025 14:50

Tgt Ion: 43 Resp: 16100
Ion Ratio Lower Upper
43 100
58 36.9 27.7 41.5

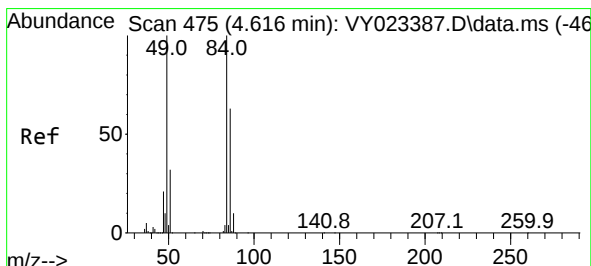
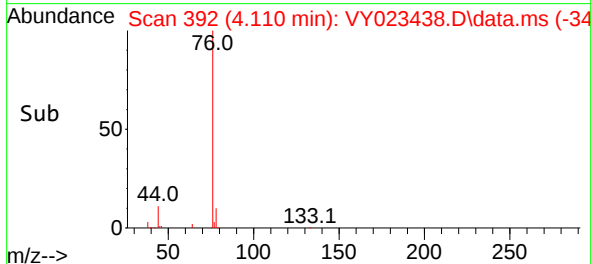
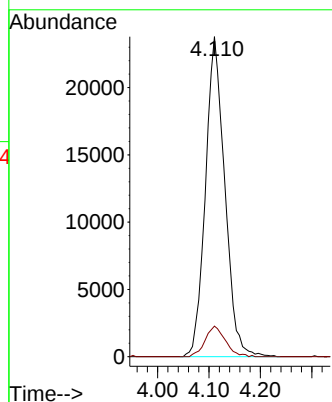
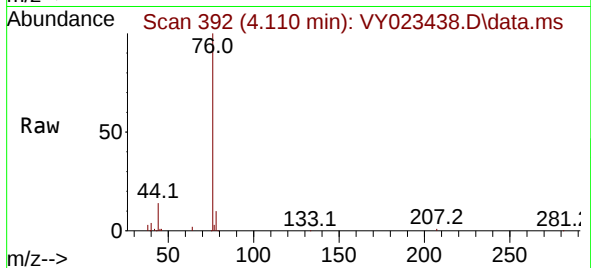




#17
Carbon Disulfide
Concen: 4.046 ug/l
RT: 4.110 min Scan# 391
Delta R.T. 0.006 min
Lab File: VY023438.D
Acq: 10 Oct 2025 14:50

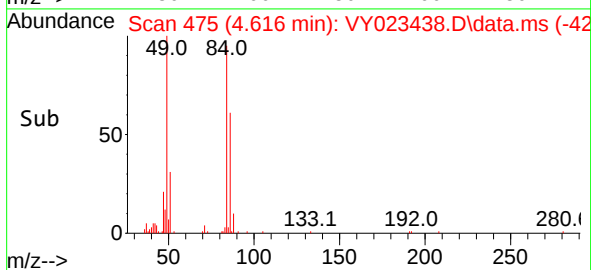
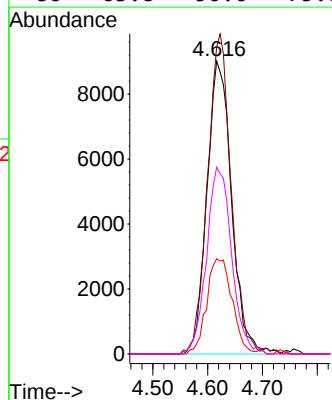
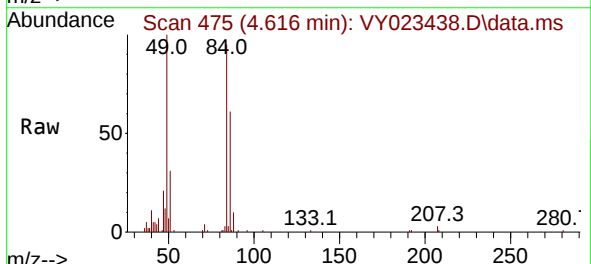
Instrument :
MSVOA_Y
ClientSampleId :
SED-05-0-2

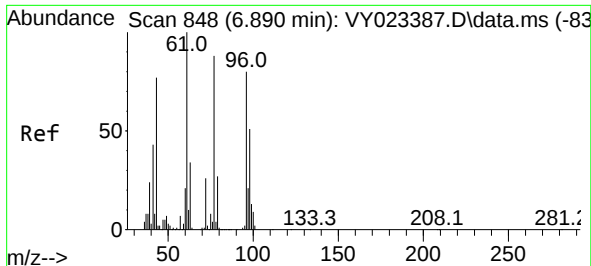
Tgt Ion: 76 Resp: 62177
Ion Ratio Lower Upper
76 100
78 9.6 7.3 10.9



#20
Methylene Chloride
Concen: 4.337 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY023438.D
Acq: 10 Oct 2025 14:50

Tgt Ion: 84 Resp: 28104
Ion Ratio Lower Upper
84 100
49 104.9 80.2 120.4
51 32.5 25.9 38.9
86 63.8 50.6 75.8

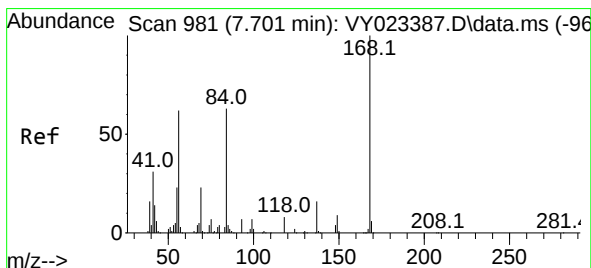
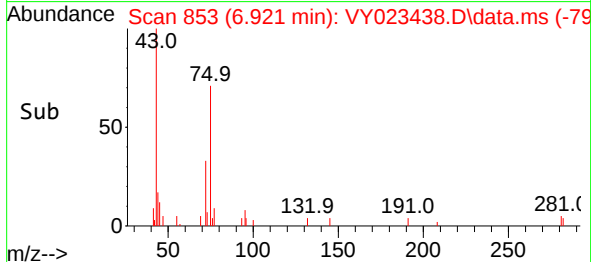
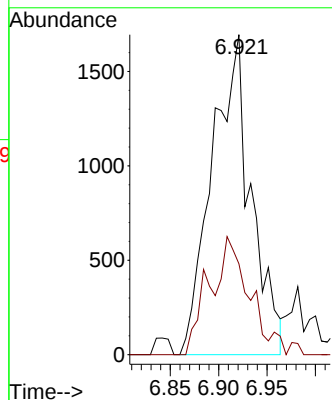
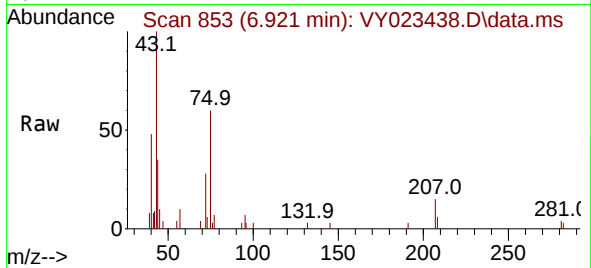




#25
2-Butanone
Concen: 3.262 ug/l
RT: 6.921 min Scan# 81
Delta R.T. 0.031 min
Lab File: VY023438.D
Acq: 10 Oct 2025 14:50

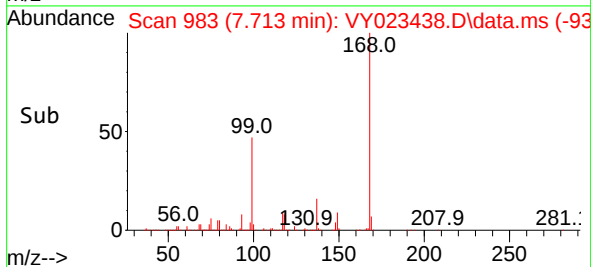
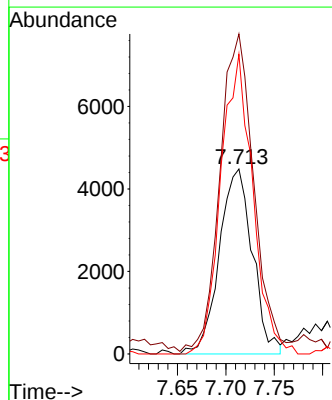
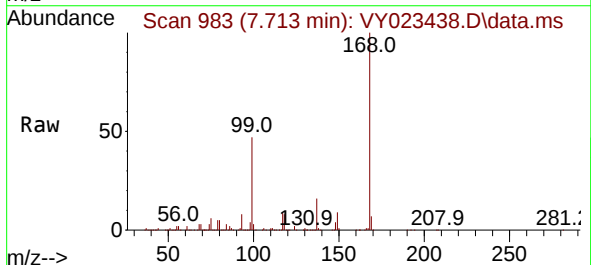
Instrument :
MSVOA_Y
ClientSampleId :
SED-05-0-2

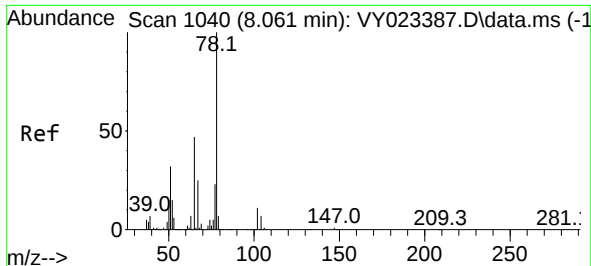
Tgt Ion: 43 Resp: 4772
Ion Ratio Lower Upper
43 100
72 28.4 27.4 41.2



#31
Cyclohexane
Concen: 1.276 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.012 min
Lab File: VY023438.D
Acq: 10 Oct 2025 14:50

Tgt Ion: 56 Resp: 10684
Ion Ratio Lower Upper
56 100
69 171.6 30.0 45.0#
84 162.1 81.2 121.8#





#33

1,2-Dichloroethane-d4

Concen: 53.064 ug/l

RT: 8.067 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VY023438.D

Acq: 10 Oct 2025 14:50

Instrument :

MSVOA_Y

ClientSampleId :

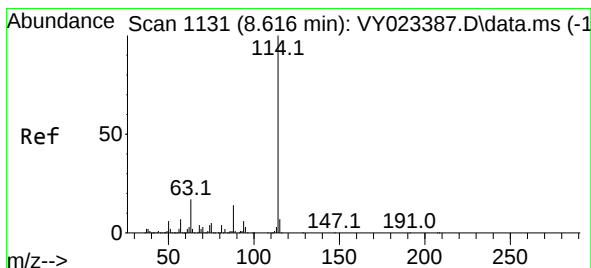
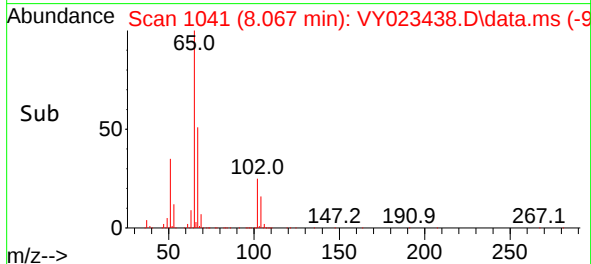
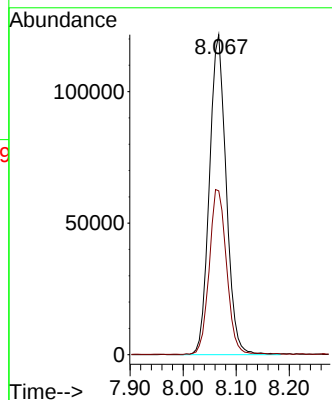
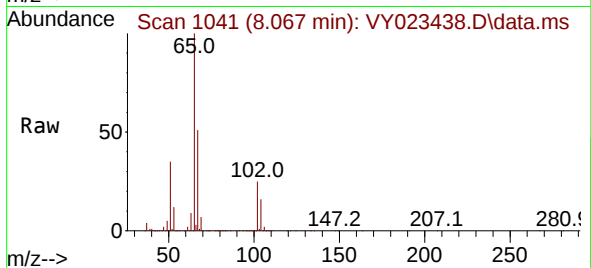
SED-05-0-2

Tgt Ion: 65 Resp: 267085

Ion Ratio Lower Upper

65 100

67 53.1 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: VY023438.D

Acq: 10 Oct 2025 14:50

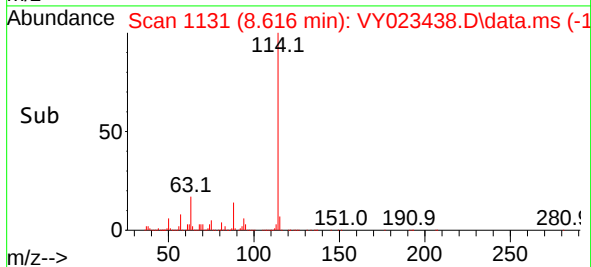
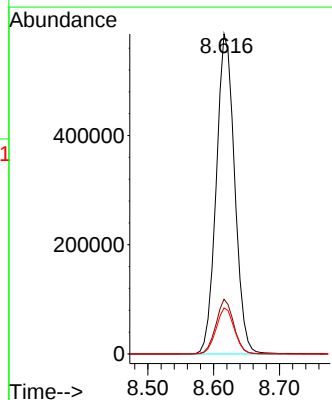
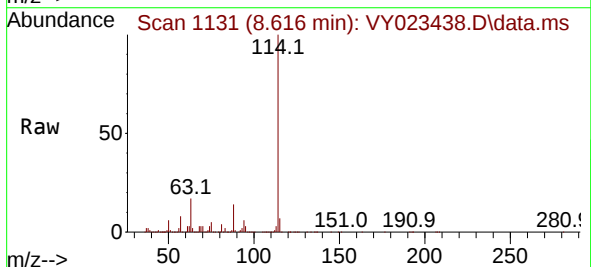
Tgt Ion:114 Resp: 1138564

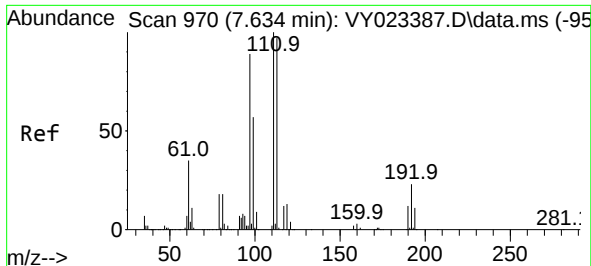
Ion Ratio Lower Upper

114 100

63 17.1 0.0 34.2

88 14.4 0.0 28.4

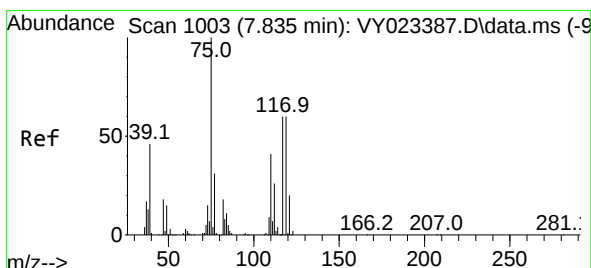
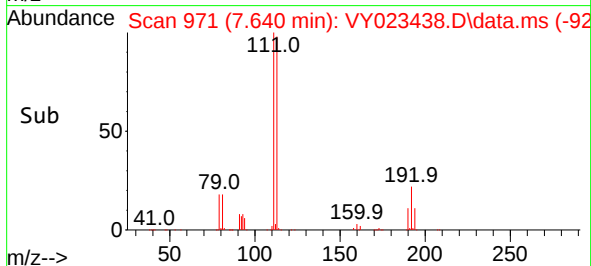
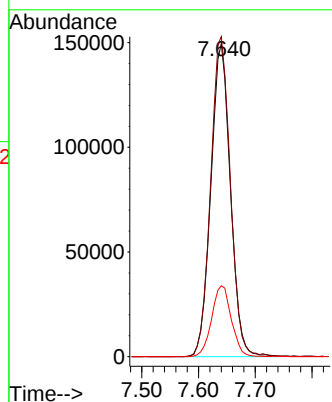
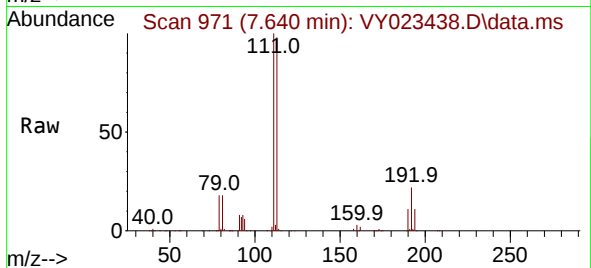




#35
Dibromofluoromethane
Concen: 51.116 ug/l
RT: 7.640 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023438.D
Acq: 10 Oct 2025 14:50

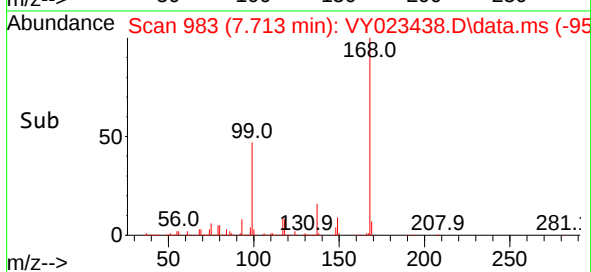
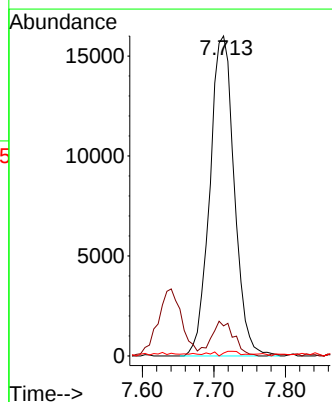
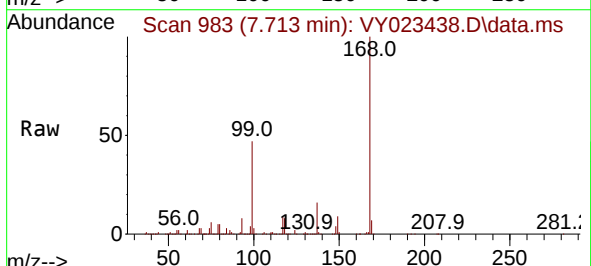
Instrument :
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SED-05-0-2

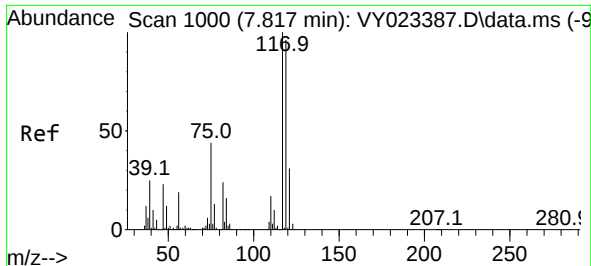
Tgt Ion:113 Resp: 357605
Ion Ratio Lower Upper
113 100
111 103.2 81.8 122.6
192 22.8 18.0 27.0



#36
1,1-Dichloropropene
Concen: 4.104 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.122 min
Lab File: VY023438.D
Acq: 10 Oct 2025 14:50

Tgt Ion: 75 Resp: 38010
Ion Ratio Lower Upper
75 100
110 10.1 19.9 59.7#
77 0.4 25.0 37.6#

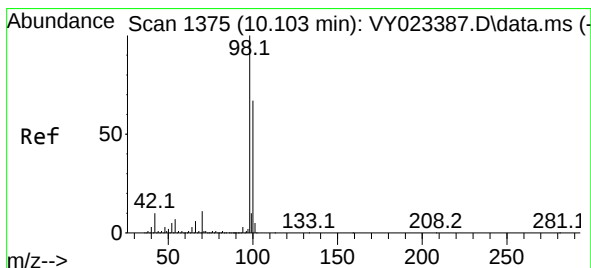
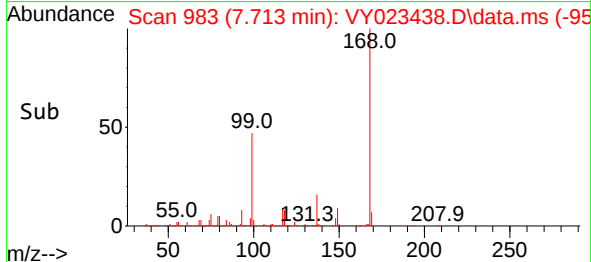
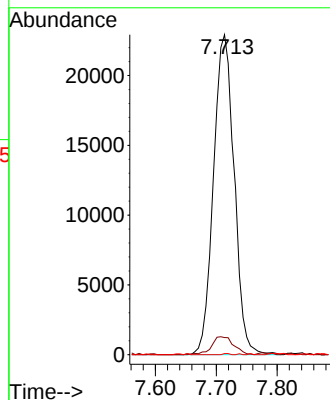
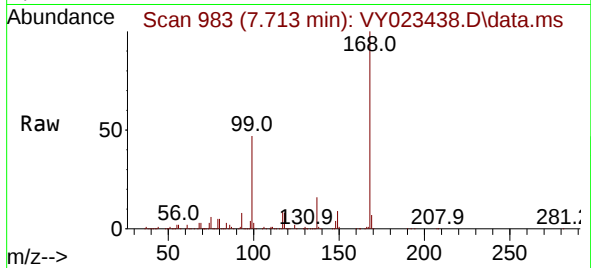




#38
Carbon Tetrachloride
Concen: 4.821 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY023438.D
Acq: 10 Oct 2025 14:50

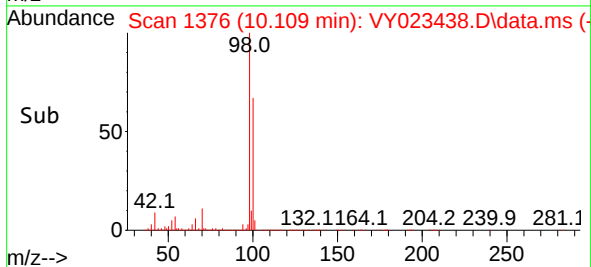
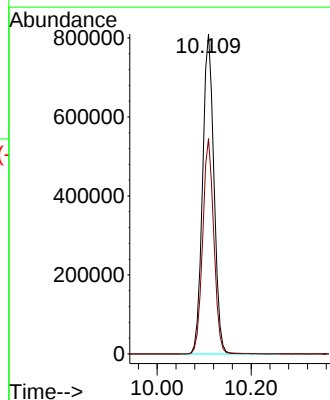
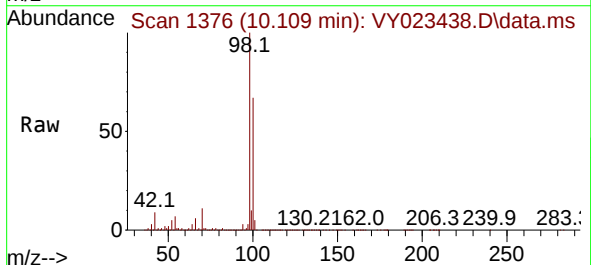
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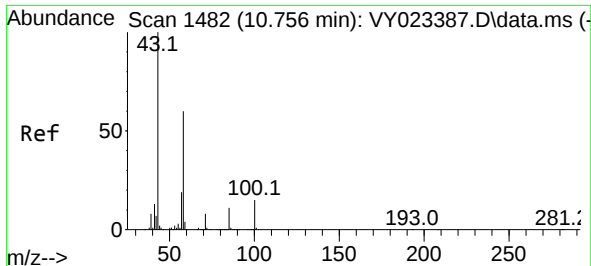
Tgt Ion:117 Resp: 54147
Ion Ratio Lower Upper
117 100
119 5.4 76.8 115.2#
121 0.1 24.5 36.7#



#50
Toluene-d8
Concen: 52.295 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023438.D
Acq: 10 Oct 2025 14:50

Tgt Ion: 98 Resp: 1362460
Ion Ratio Lower Upper
98 100
100 65.9 53.0 79.4

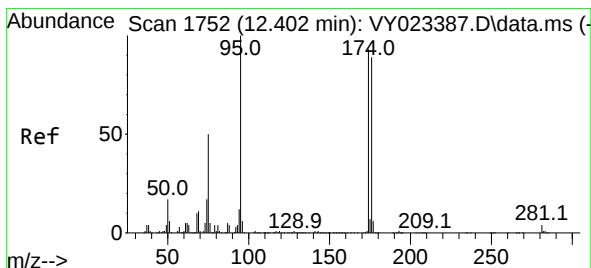
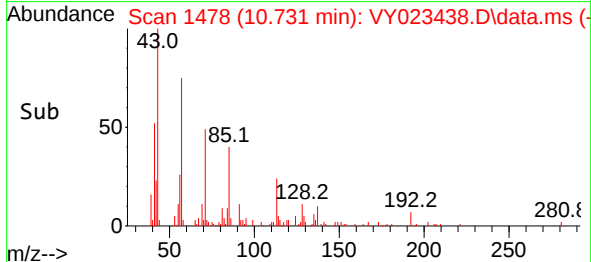
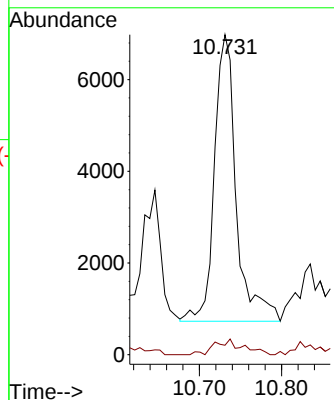
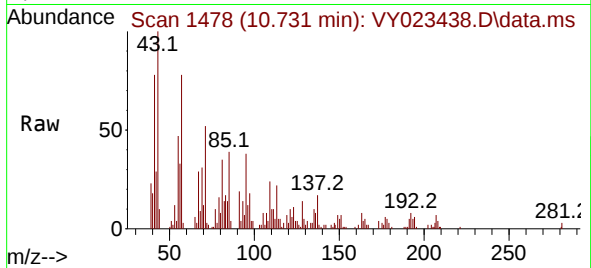




#59
2-Hexanone
Concen: 4.252 ug/l
RT: 10.731 min Scan# 1482
Delta R.T. -0.024 min
Lab File: VY023438.D
Acq: 10 Oct 2025 14:50

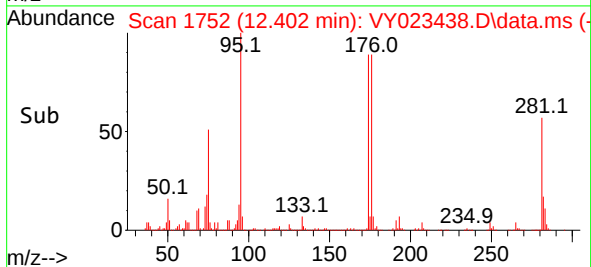
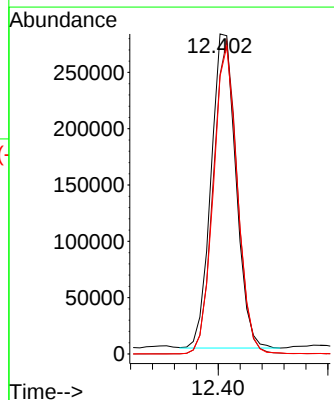
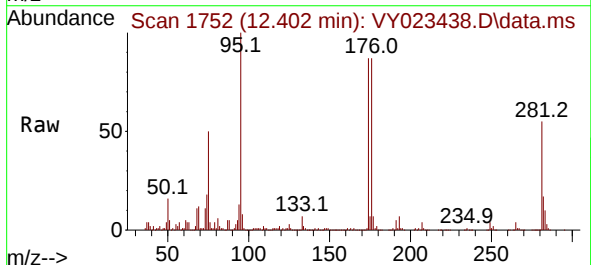
Instrument :
MSVOA_Y
ClientSampleId :
SED-05-0-2

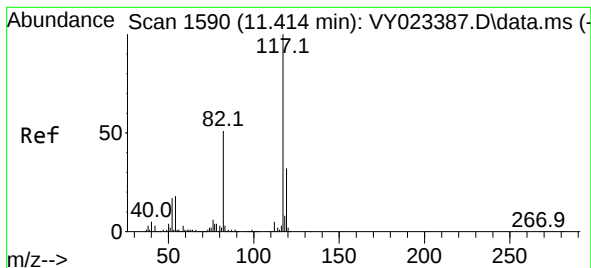
Tgt Ion: 43 Resp: 11488
Ion Ratio Lower Upper
43 100
58 3.1 30.5 91.5#



#62
4-Bromofluorobenzene
Concen: 51.148 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023438.D
Acq: 10 Oct 2025 14:50

Tgt Ion: 95 Resp: 439956
Ion Ratio Lower Upper
95 100
174 96.2 0.0 192.8
176 94.6 0.0 187.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY023438.D

Acq: 10 Oct 2025 14:50

Instrument :

MSVOA_Y

ClientSampleId :

SED-05-0-2

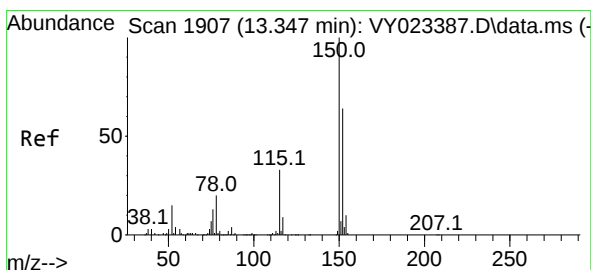
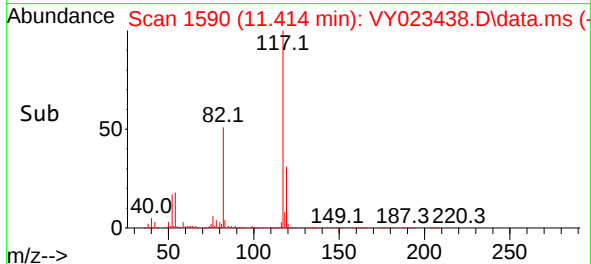
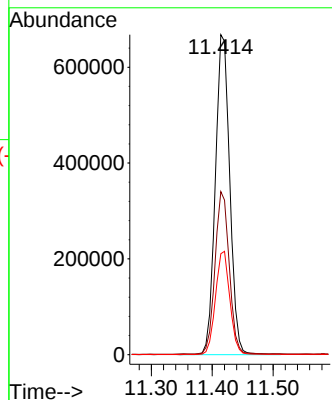
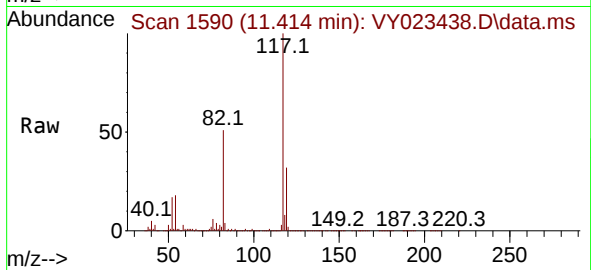
Tgt Ion:117 Resp: 1096445

Ion Ratio Lower Upper

117 100

82 50.7 41.0 61.4

119 31.5 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: VY023438.D

Acq: 10 Oct 2025 14:50

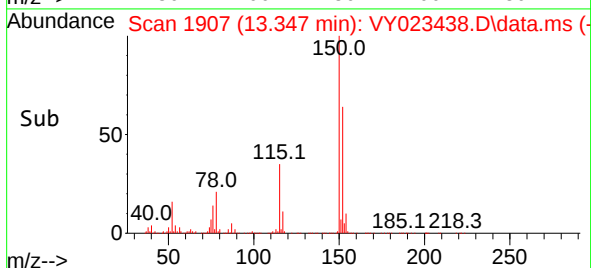
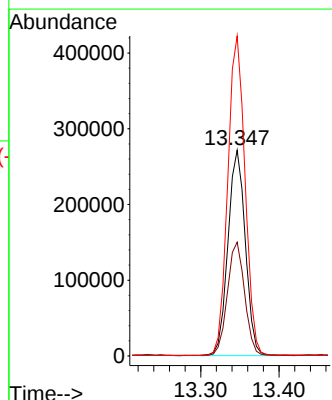
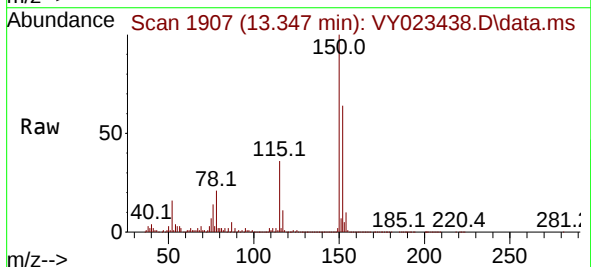
Tgt Ion:152 Resp: 417654

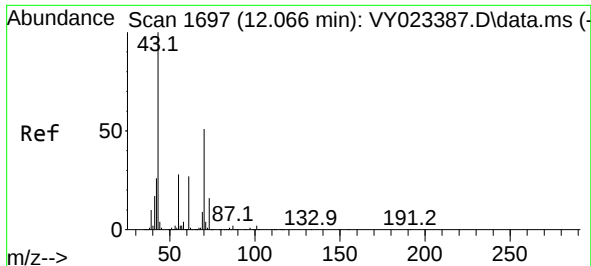
Ion Ratio Lower Upper

152 100

115 55.0 27.1 81.2

150 155.0 0.0 347.4

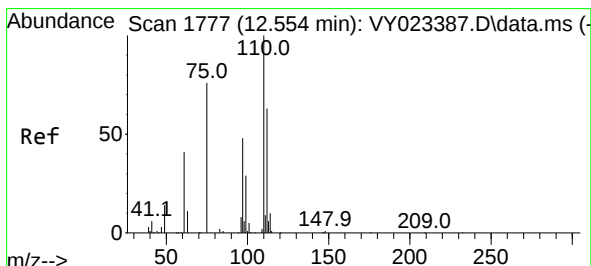
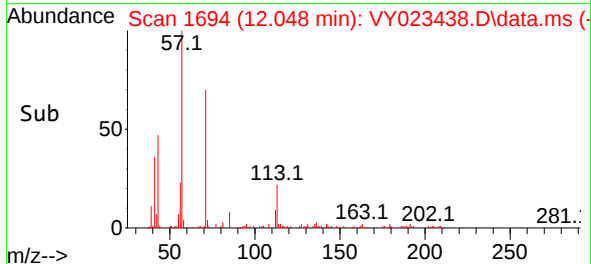
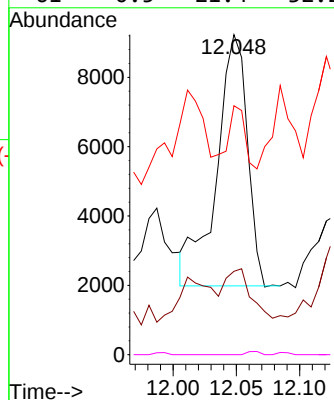
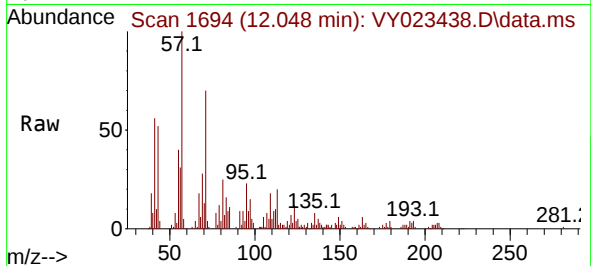




#74
N-amy1 acetate
Concen: 2.484 ug/l
RT: 12.048 min Scan# 1752
Delta R.T. -0.018 min
Lab File: VY023438.D
Acq: 10 Oct 2025 14:50

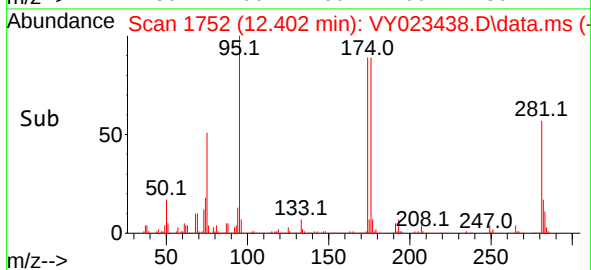
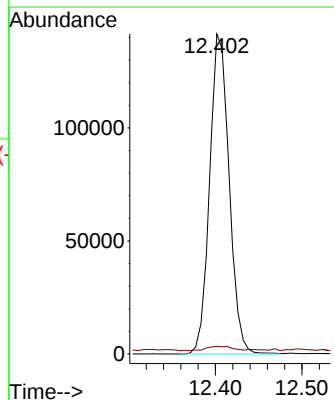
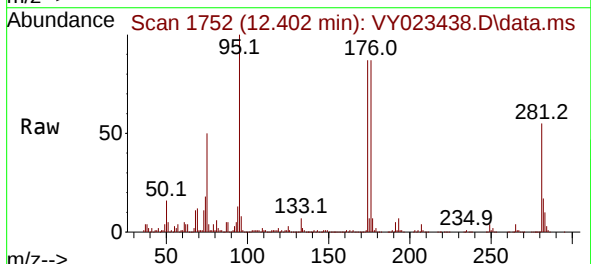
Instrument :
MSVOA_Y
ClientSampleId :
SED-05-0-2

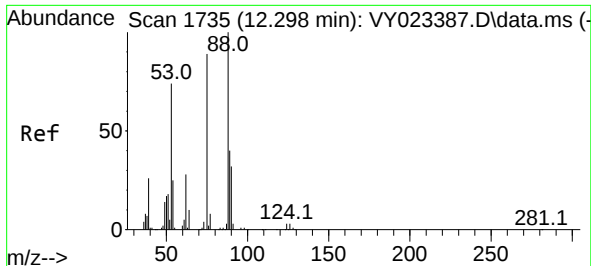
Tgt Ion: 43 Resp: 12282
Ion Ratio Lower Upper
43 100
70 14.7 41.1 61.7#
55 26.0 23.0 34.6
61 0.5 21.4 32.2#



#76
1,2,3-Trichloropropane
Concen: 60.058 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.152 min
Lab File: VY023438.D
Acq: 10 Oct 2025 14:50

Tgt Ion: 75 Resp: 221304
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#

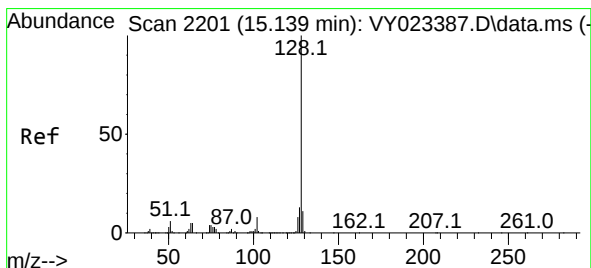
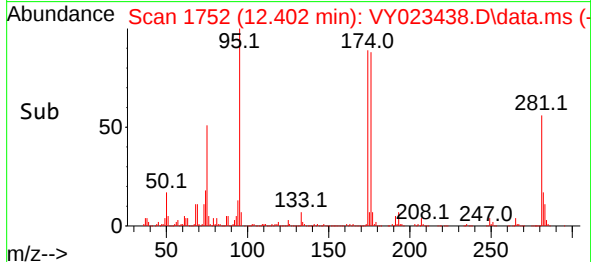
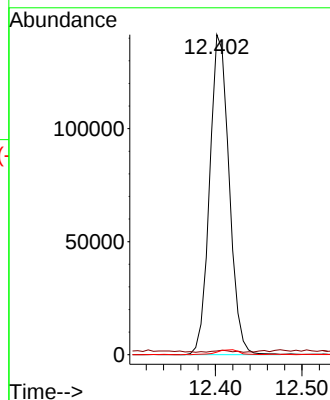
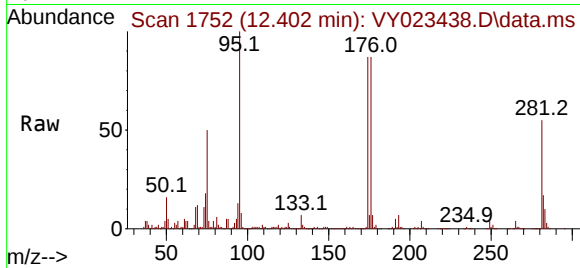




#81
trans-1,4-Dichloro-2-butene
Concen: 147.274 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.104 min
Lab File: VY023438.D
Acq: 10 Oct 2025 14:50

Instrument :
MSVOA_Y
ClientSampleId :
SED-05-0-2

Tgt Ion: 75 Resp: 221304
Ion Ratio Lower Upper
75 100
53 0.6 68.6 102.8#
89 1.8 39.0 58.4#



#95
Naphthalene
Concen: 1.280 ug/l
RT: 15.139 min Scan# 2201
Delta R.T. 0.000 min
Lab File: VY023438.D
Acq: 10 Oct 2025 14:50

Tgt Ion:128 Resp: 15876
Ion Ratio Lower Upper
128 100
127 30.9 10.4 15.6#
129 0.0 8.9 13.3#

