

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103125\
 Data File : VY023640.D
 Acq On : 31 Oct 2025 11:14
 Operator : SY/MD
 Sample : Q3491-01
 Misc : 10.35g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SOIL-CUTTINGS-COMP

Quant Time: Nov 01 03:22:20 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)

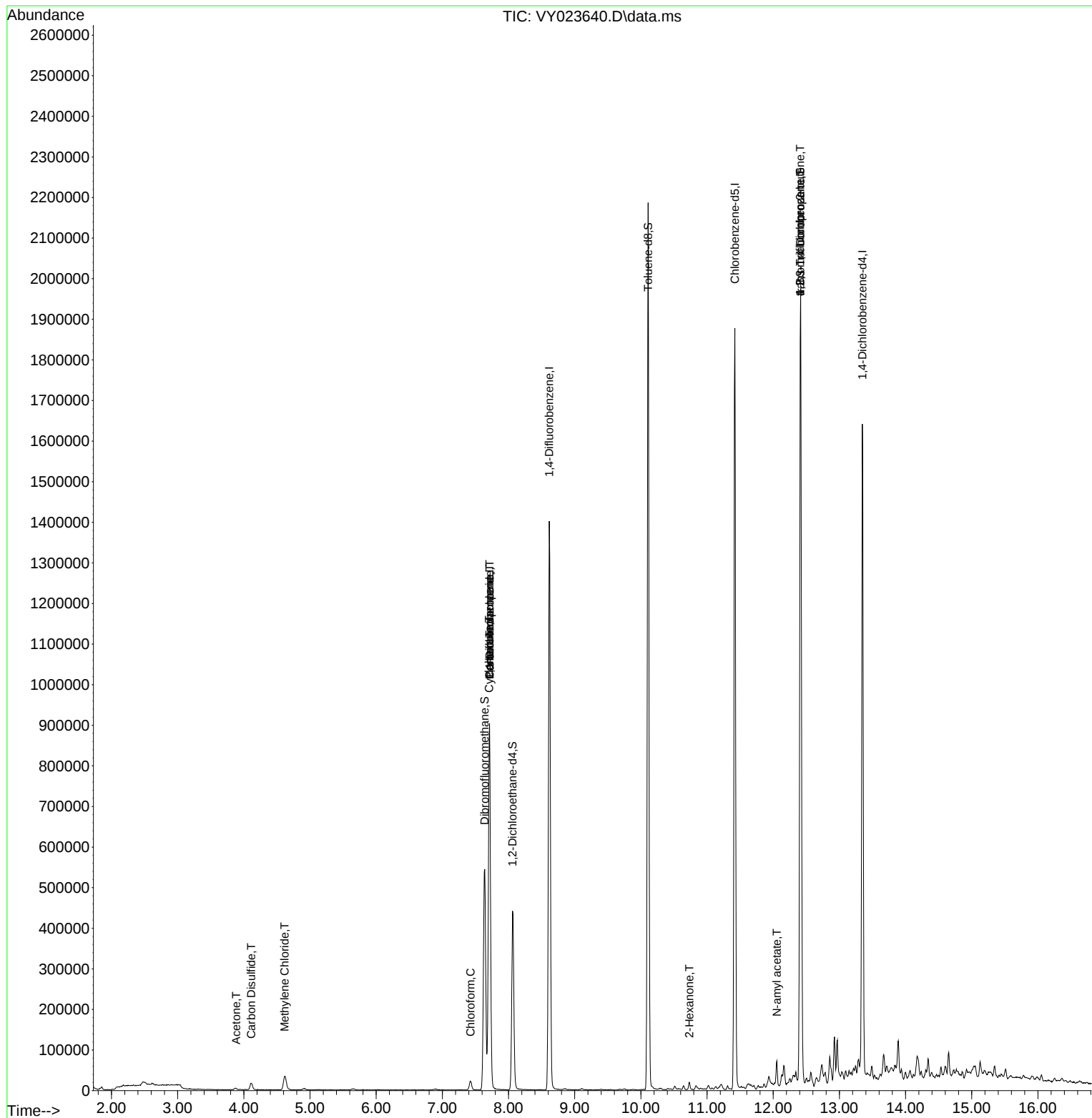
Internal Standards						
1) Pentafluorobenzene	7.713	168	739792	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1262237	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1051239	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	435861	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	343639	55.549	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	111.100%
35) Dibromofluoromethane	7.640	113	395118	50.945	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.880%
50) Toluene-d8	10.109	98	1422126	49.237	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.480%
62) 4-Bromofluorobenzene	12.408	95	422463	44.302	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	88.600%
Target Compounds						
						Qvalue
16) Acetone	3.885	43	6412	4.354	ug/l	89
17) Carbon Disulfide	4.110	76	33995	1.800	ug/l	99
20) Methylene Chloride	4.616	84	28001	3.516	ug/l	97
30) Chloroform	7.427	83	21680	1.675	ug/l	97
31) Cyclohexane	7.707	56	13002	1.263	ug/l #	1
36) 1,1-Dichloropropene	7.713	75	49747	4.845	ug/l #	47
38) Carbon Tetrachloride	7.713	117	67567	5.427	ug/l #	17
59) 2-Hexanone	10.731	43	5817	1.942	ug/l #	28
74) N-amyl acetate	12.054	43	10812	2.096	ug/l #	76
76) 1,2,3-Trichloropropane	12.408	75	214878	55.878	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	214878	137.024	ug/l #	15

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

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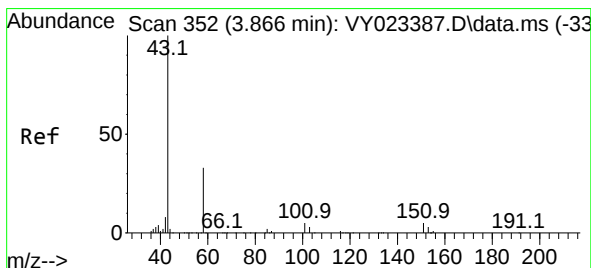
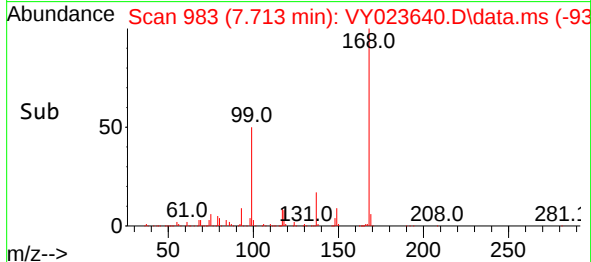
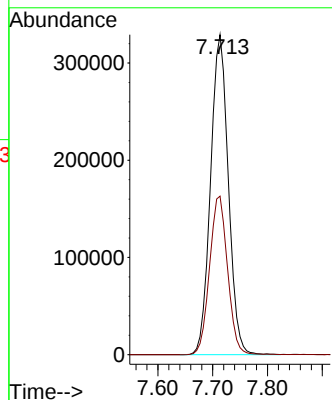
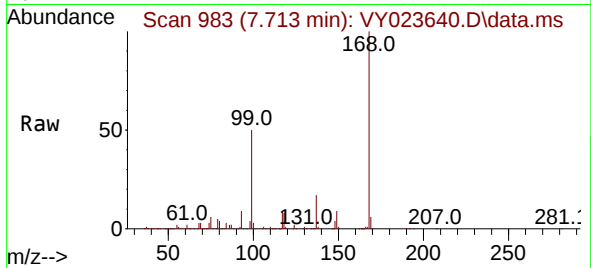




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023640.D
Acq: 31 Oct 2025 11:14

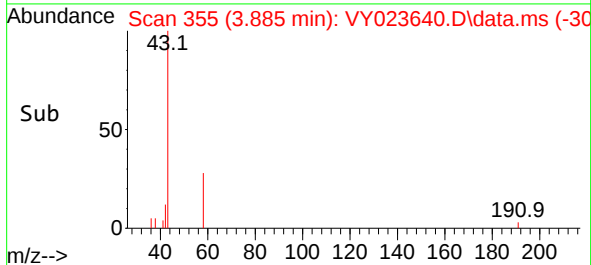
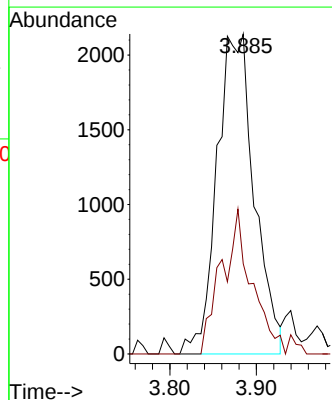
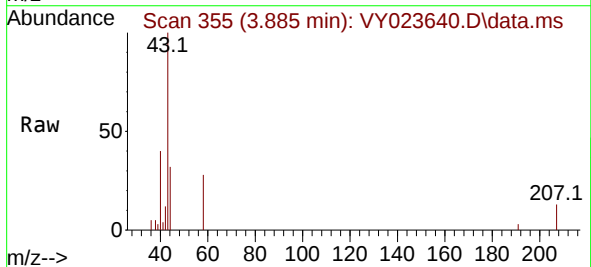
Instrument :
MSVOA_Y
ClientSampleId :
SOIL-CUTTINGS-COMP

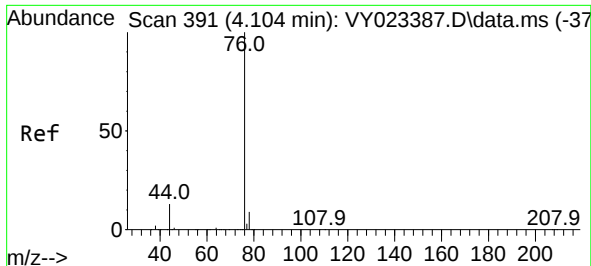
Tgt Ion:168 Resp: 739792
Ion Ratio Lower Upper
168 100
99 49.5 39.7 59.5



#16
Acetone
Concen: 4.354 ug/l
RT: 3.885 min Scan# 355
Delta R.T. 0.018 min
Lab File: VY023640.D
Acq: 31 Oct 2025 11:14

Tgt Ion: 43 Resp: 6412
Ion Ratio Lower Upper
43 100
58 28.2 27.7 41.5

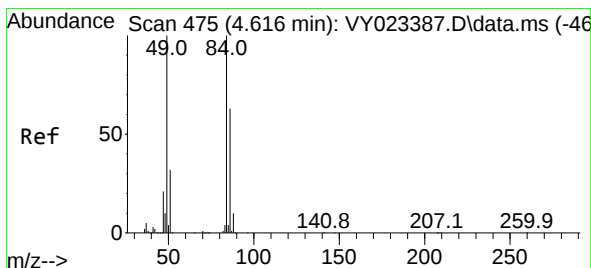
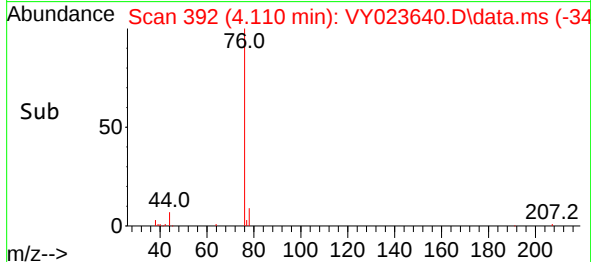
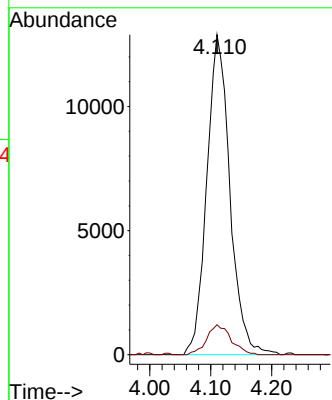
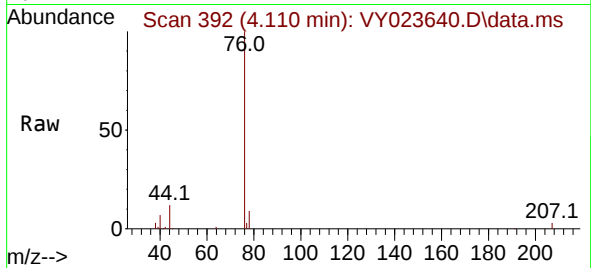




#17
Carbon Disulfide
Concen: 1.800 ug/l
RT: 4.110 min Scan# 391
Delta R.T. 0.006 min
Lab File: VY023640.D
Acq: 31 Oct 2025 11:14

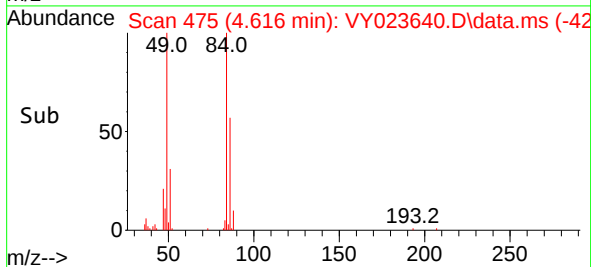
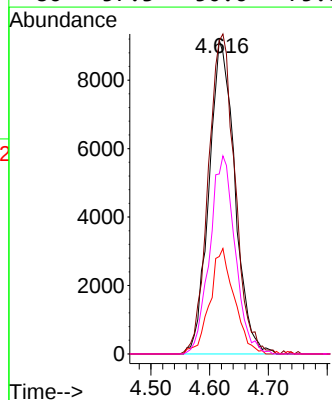
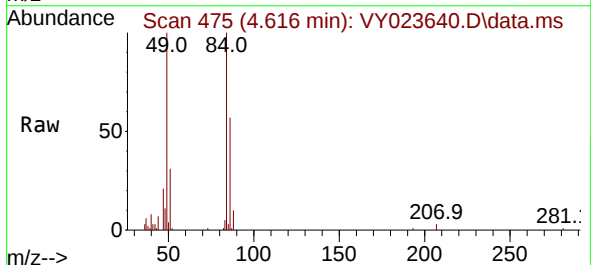
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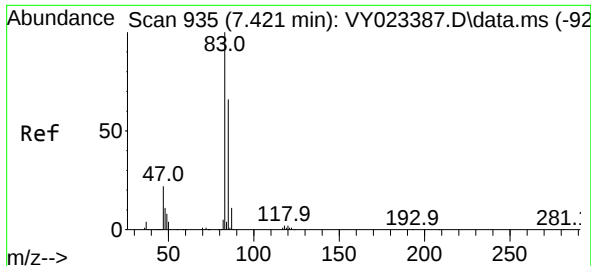
Tgt Ion: 76 Resp: 33995
Ion Ratio Lower Upper
76 100
78 9.4 7.3 10.9



#20
Methylene Chloride
Concen: 3.516 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.000 min
Lab File: VY023640.D
Acq: 31 Oct 2025 11:14

Tgt Ion: 84 Resp: 28001
Ion Ratio Lower Upper
84 100
49 99.8 80.2 120.4
51 31.1 25.9 38.9
86 57.3 50.6 75.8

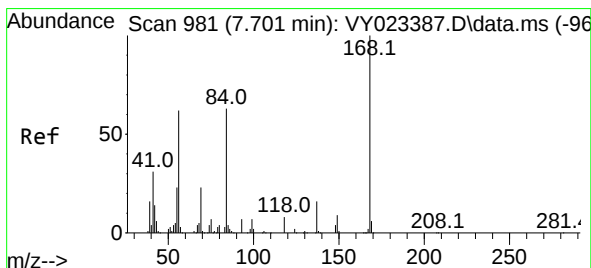
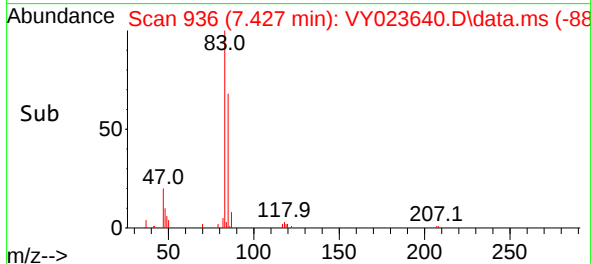
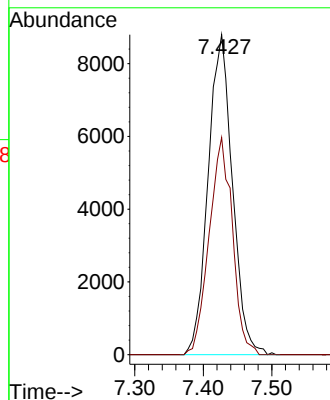
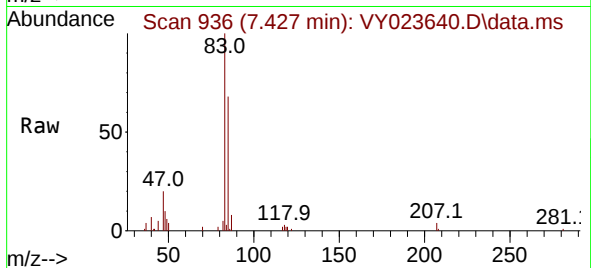




#30
Chloroform
Concen: 1.675 ug/l
RT: 7.427 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023640.D
Acq: 31 Oct 2025 11:14

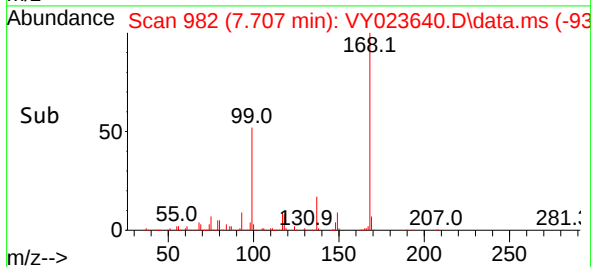
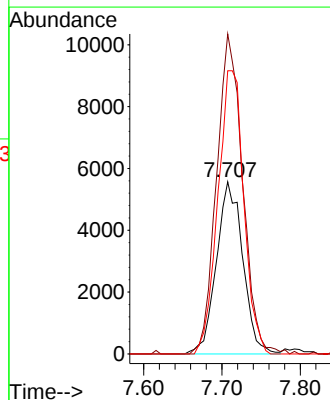
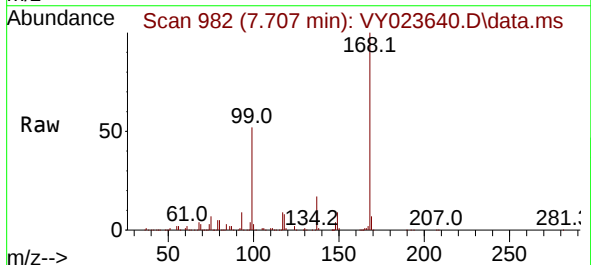
Instrument :
MSVOA_Y
ClientSampleId :
SOIL-CUTTINGS-COMP

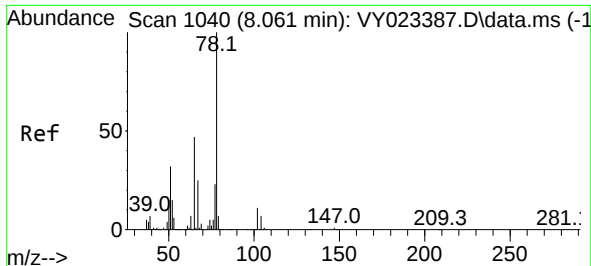
Tgt Ion: 83 Resp: 21680
Ion Ratio Lower Upper
83 100
85 67.8 52.5 78.7



#31
Cyclohexane
Concen: 1.263 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY023640.D
Acq: 31 Oct 2025 11:14

Tgt Ion: 56 Resp: 13002
Ion Ratio Lower Upper
56 100
69 186.0 30.0 45.0#
84 164.6 81.2 121.8#





#33

1,2-Dichloroethane-d4

Concen: 55.549 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VY023640.D

Acq: 31 Oct 2025 11:14

Instrument :

MSVOA_Y

ClientSampleId :

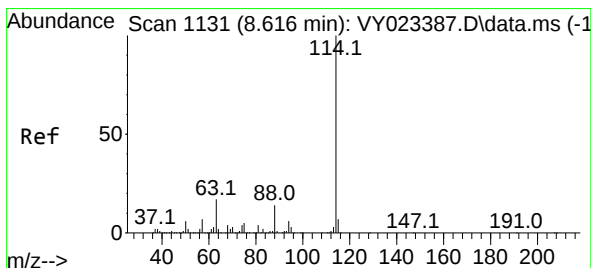
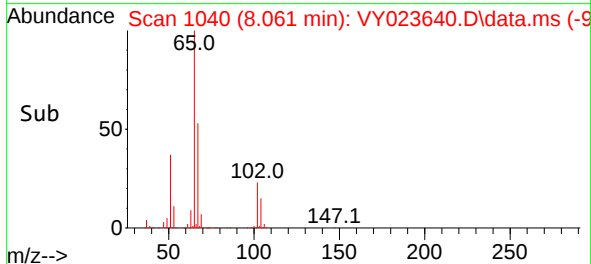
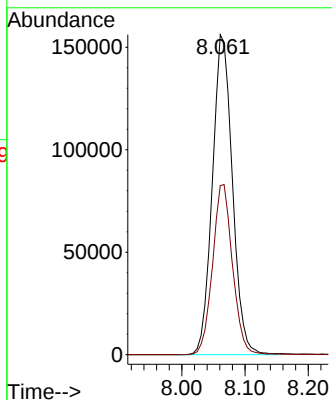
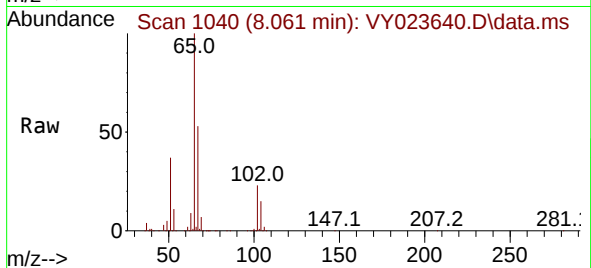
SOIL-CUTTINGS-COMP

Tgt Ion: 65 Resp: 343639

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: VY023640.D

Acq: 31 Oct 2025 11:14

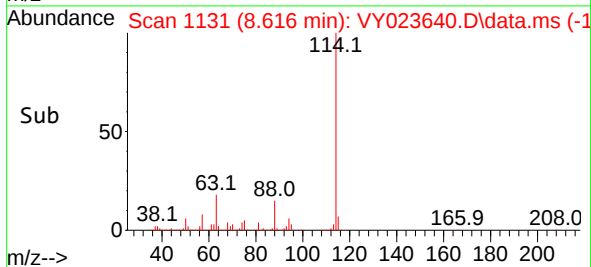
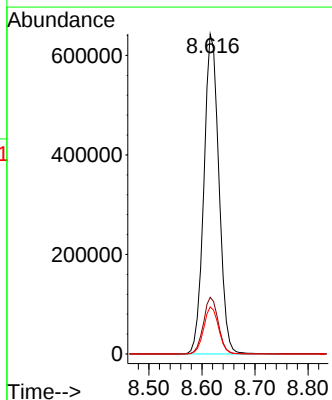
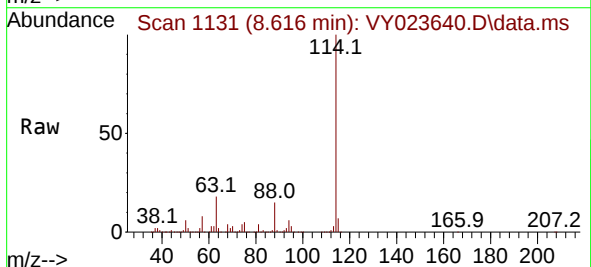
Tgt Ion: 114 Resp: 1262237

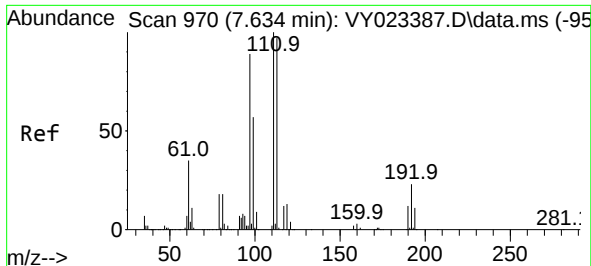
Ion Ratio Lower Upper

114 100

63 17.7 0.0 34.2

88 14.7 0.0 28.4

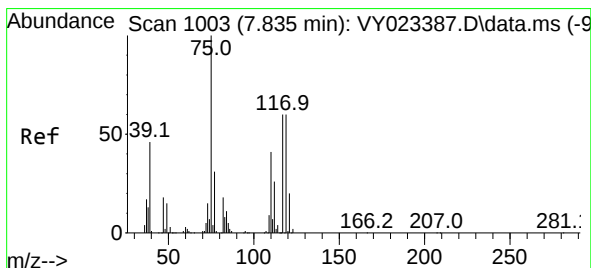
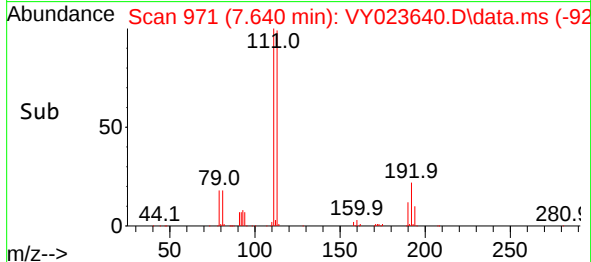
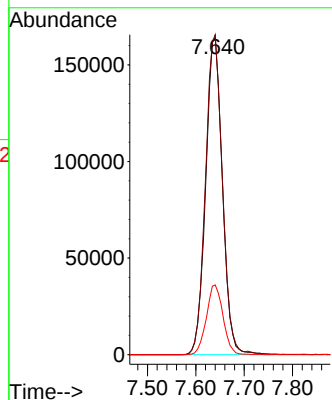
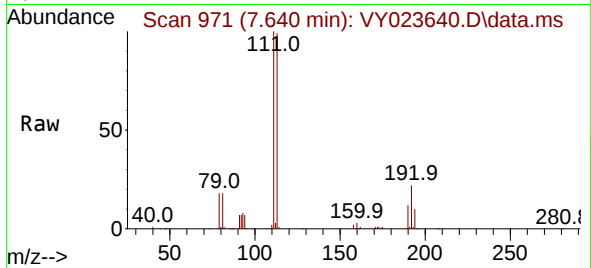




#35
Dibromofluoromethane
Concen: 50.945 ug/l
RT: 7.640 min Scan# 911
Delta R.T. 0.006 min
Lab File: VY023640.D
Acq: 31 Oct 2025 11:14

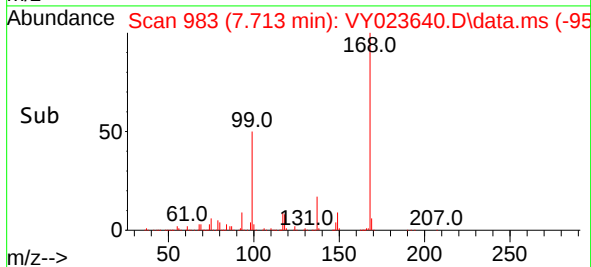
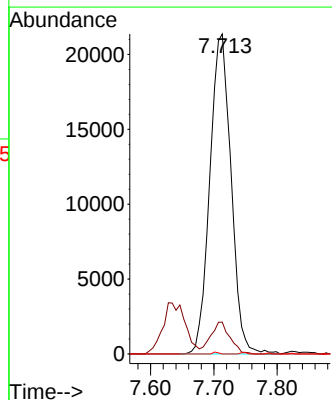
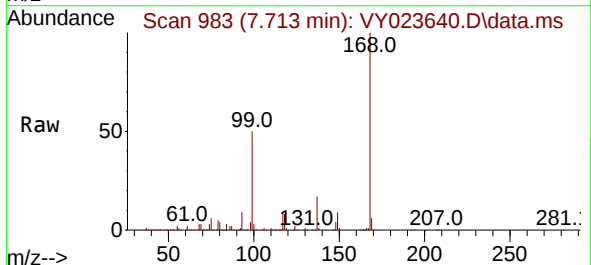
Instrument :
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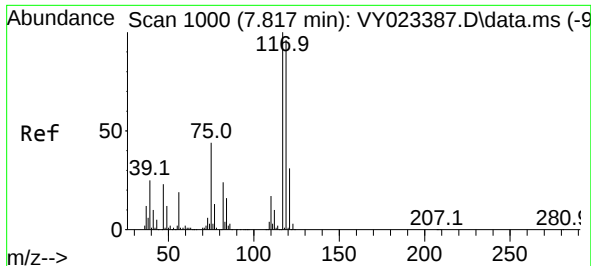
Tgt Ion:113 Resp: 395118
Ion Ratio Lower Upper
113 100
111 102.3 81.8 122.6
192 21.9 18.0 27.0



#36
1,1-Dichloropropene
Concen: 4.845 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.122 min
Lab File: VY023640.D
Acq: 31 Oct 2025 11:14

Tgt Ion: 75 Resp: 49747
Ion Ratio Lower Upper
75 100
110 9.1 19.9 59.7#
77 0.2 25.0 37.6#

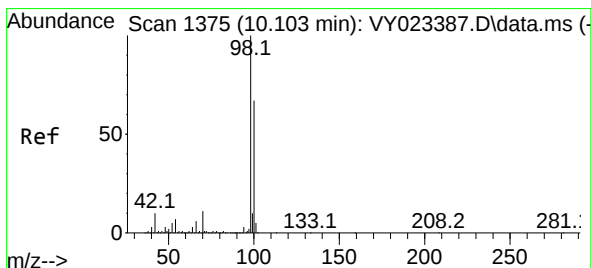
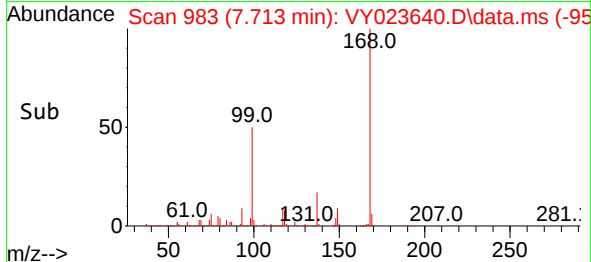
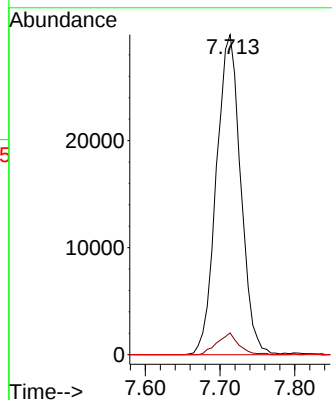
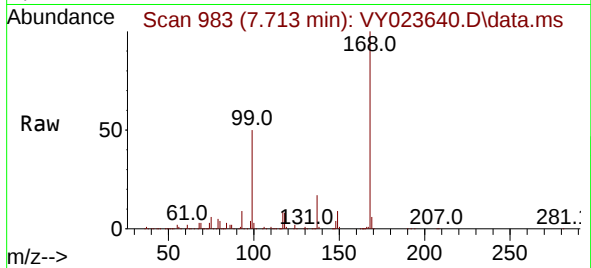




#38
Carbon Tetrachloride
Concen: 5.427 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY023640.D
Acq: 31 Oct 2025 11:14

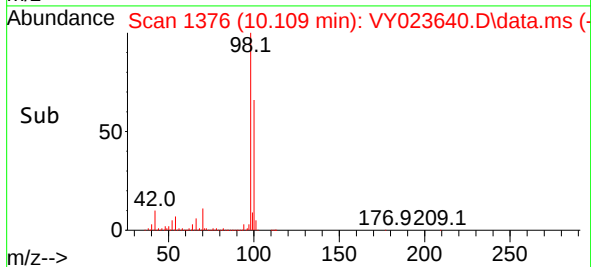
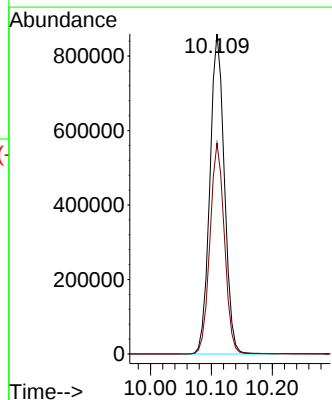
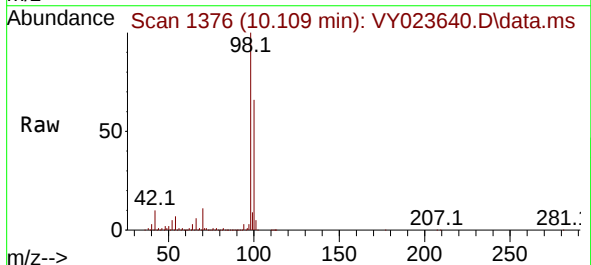
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SOIL-CUTTINGS-COMP

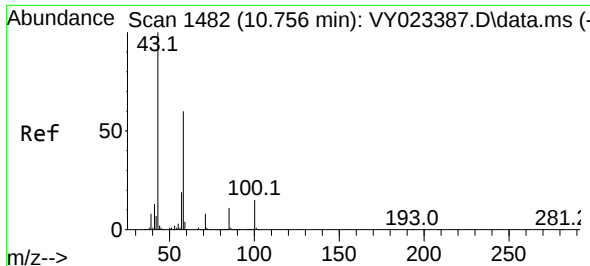
Tgt Ion:117 Resp: 67567
Ion Ratio Lower Upper
117 100
119 6.8 76.8 115.2#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 49.237 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023640.D
Acq: 31 Oct 2025 11:14

Tgt Ion: 98 Resp: 1422126
Ion Ratio Lower Upper
98 100
100 65.4 53.0 79.4

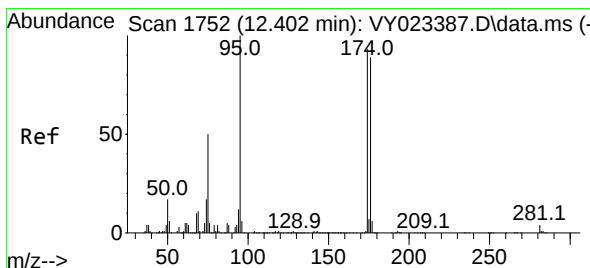
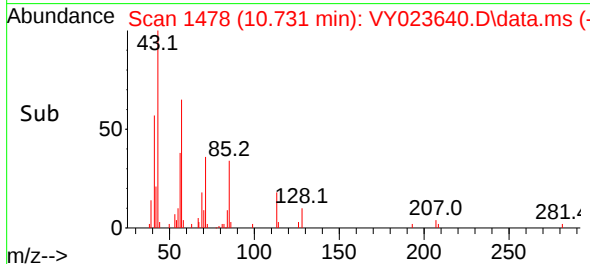
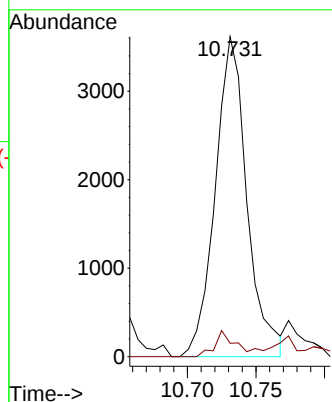
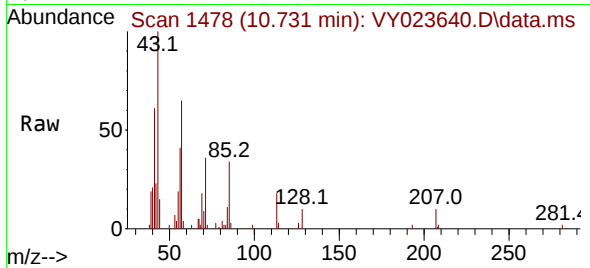




#59
2-Hexanone
Concen: 1.942 ug/l
RT: 10.731 min Scan# 1482
Delta R.T. -0.024 min
Lab File: VY023640.D
Acq: 31 Oct 2025 11:14

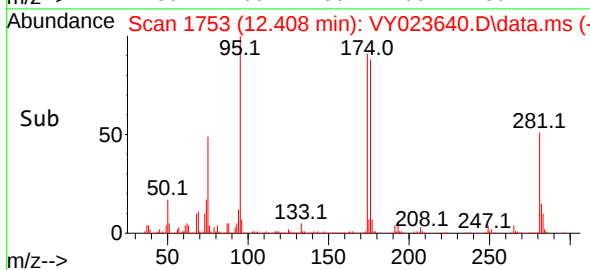
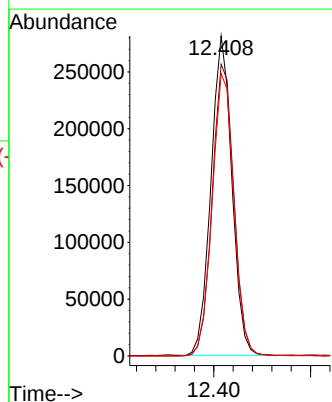
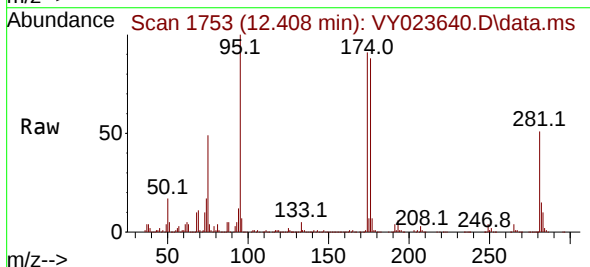
Instrument :
MSVOA_Y
ClientSampleId :
SOIL-CUTTINGS-COMP

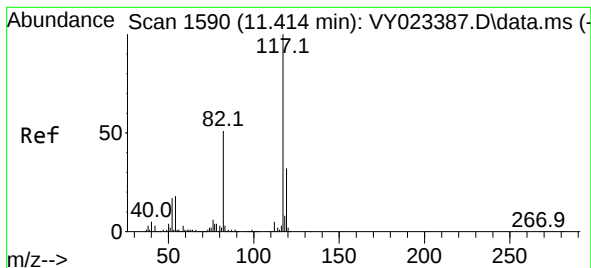
Tgt Ion: 43 Resp: 5817
Ion Ratio Lower Upper
43 100
58 6.0 30.5 91.5#



#62
4-Bromofluorobenzene
Concen: 44.302 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023640.D
Acq: 31 Oct 2025 11:14

Tgt Ion: 95 Resp: 422463
Ion Ratio Lower Upper
95 100
174 94.8 0.0 192.8
176 91.7 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: VY023640.D

Acq: 31 Oct 2025 11:14

Instrument :

MSVOA_Y

ClientSampleId :

SOIL-CUTTINGS-COMP

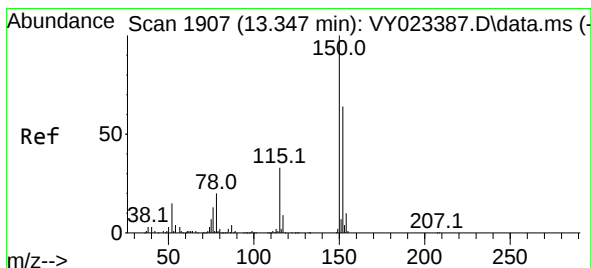
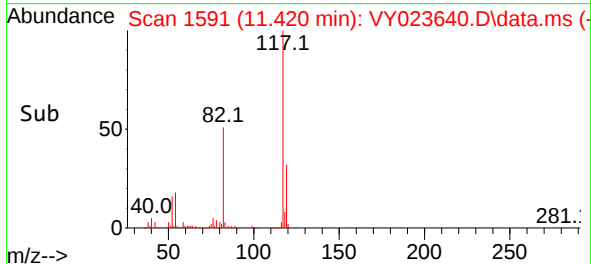
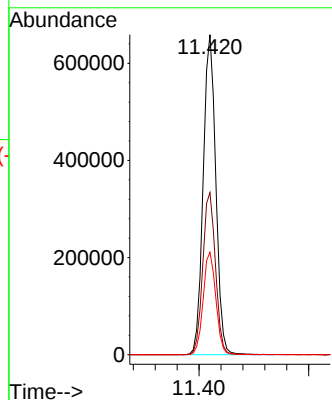
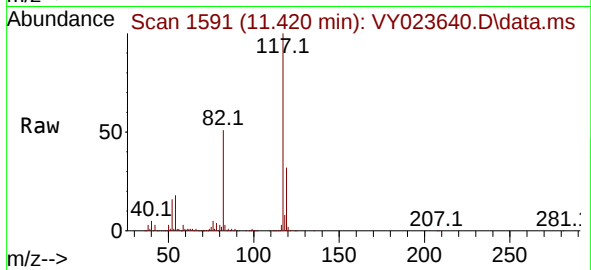
Tgt Ion:117 Resp: 1051239

Ion Ratio Lower Upper

117 100

82 50.6 41.0 61.4

119 32.0 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: VY023640.D

Acq: 31 Oct 2025 11:14

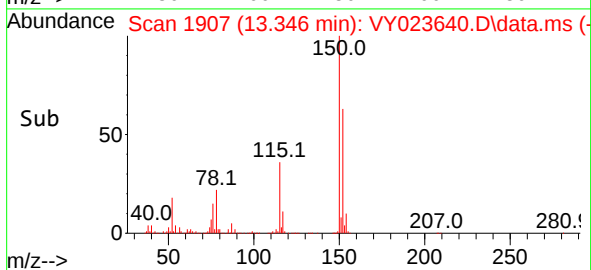
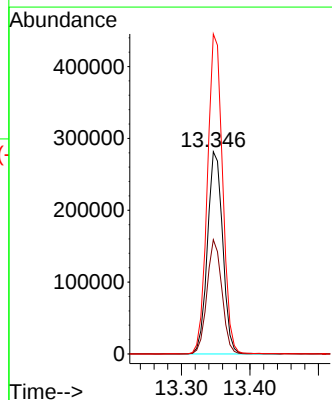
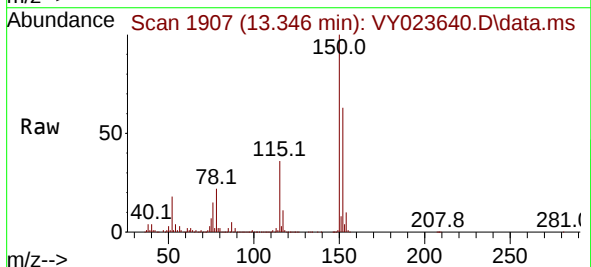
Tgt Ion:152 Resp: 435861

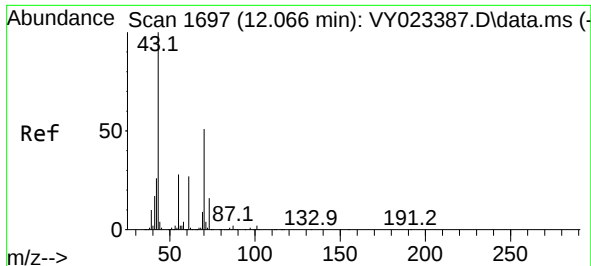
Ion Ratio Lower Upper

152 100

115 55.0 27.1 81.2

150 157.5 0.0 347.4

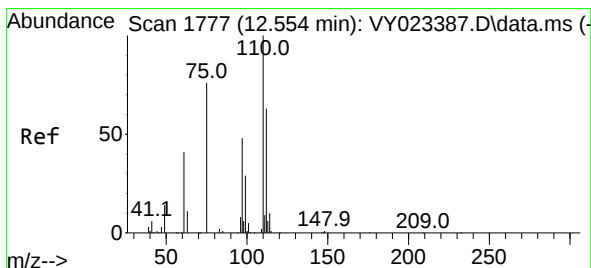
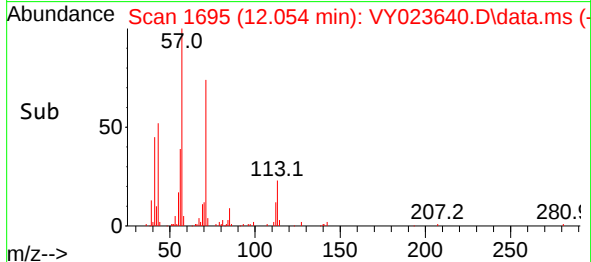
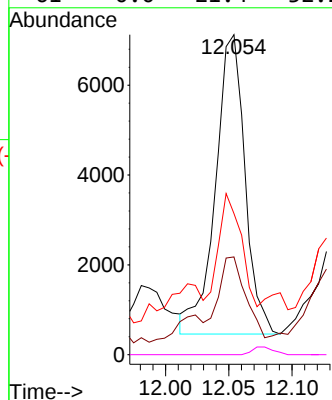
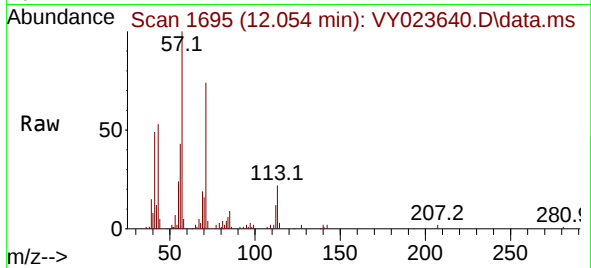




#74
N-ethyl acetate
Concen: 2.096 ug/l
RT: 12.054 min Scan# 1753
Delta R.T. -0.012 min
Lab File: VY023640.D
Acq: 31 Oct 2025 11:14

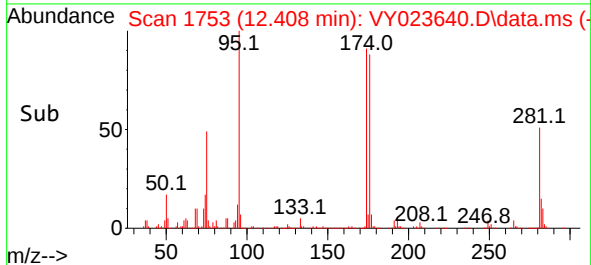
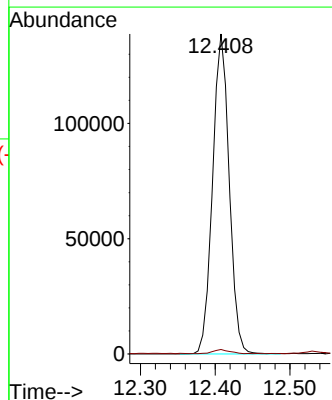
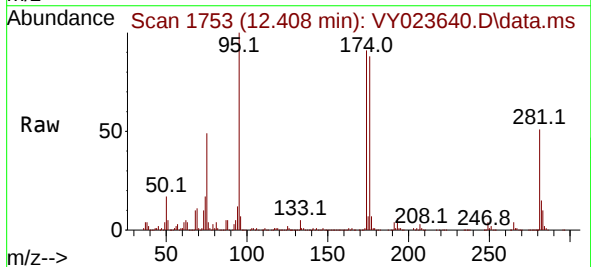
Instrument :
MSVOA_Y
ClientSampleId :
SOIL-CUTTINGS-COMP

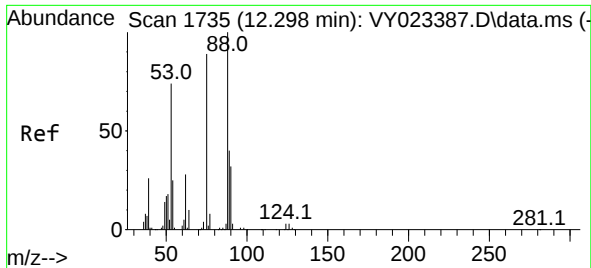
Tgt Ion: 43 Resp: 10812
Ion Ratio Lower Upper
43 100
70 35.8 41.1 61.7#
55 29.1 23.0 34.6
61 0.0 21.4 32.2#



#76
1,2,3-Trichloropropane
Concen: 55.878 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY023640.D
Acq: 31 Oct 2025 11:14

Tgt Ion: 75 Resp: 214878
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 137.024 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.110 min
Lab File: VY023640.D
Acq: 31 Oct 2025 11:14

Instrument :
MSVOA_Y
ClientSampleId :
SOIL-CUTTINGS-COMP

Tgt Ion: 75 Resp: 214878
Ion Ratio Lower Upper
75 100
53 0.2 68.6 102.8#
89 1.0 39.0 58.4#

