

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101425\
 Data File : VY023463.D
 Acq On : 14 Oct 2025 15:39
 Operator : SY/MD
 Sample : Q3343-03
 Misc : 4.19g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SOIL-ROLLOFF-WC-1-VOC

Quant Time: Oct 15 03:30:14 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)

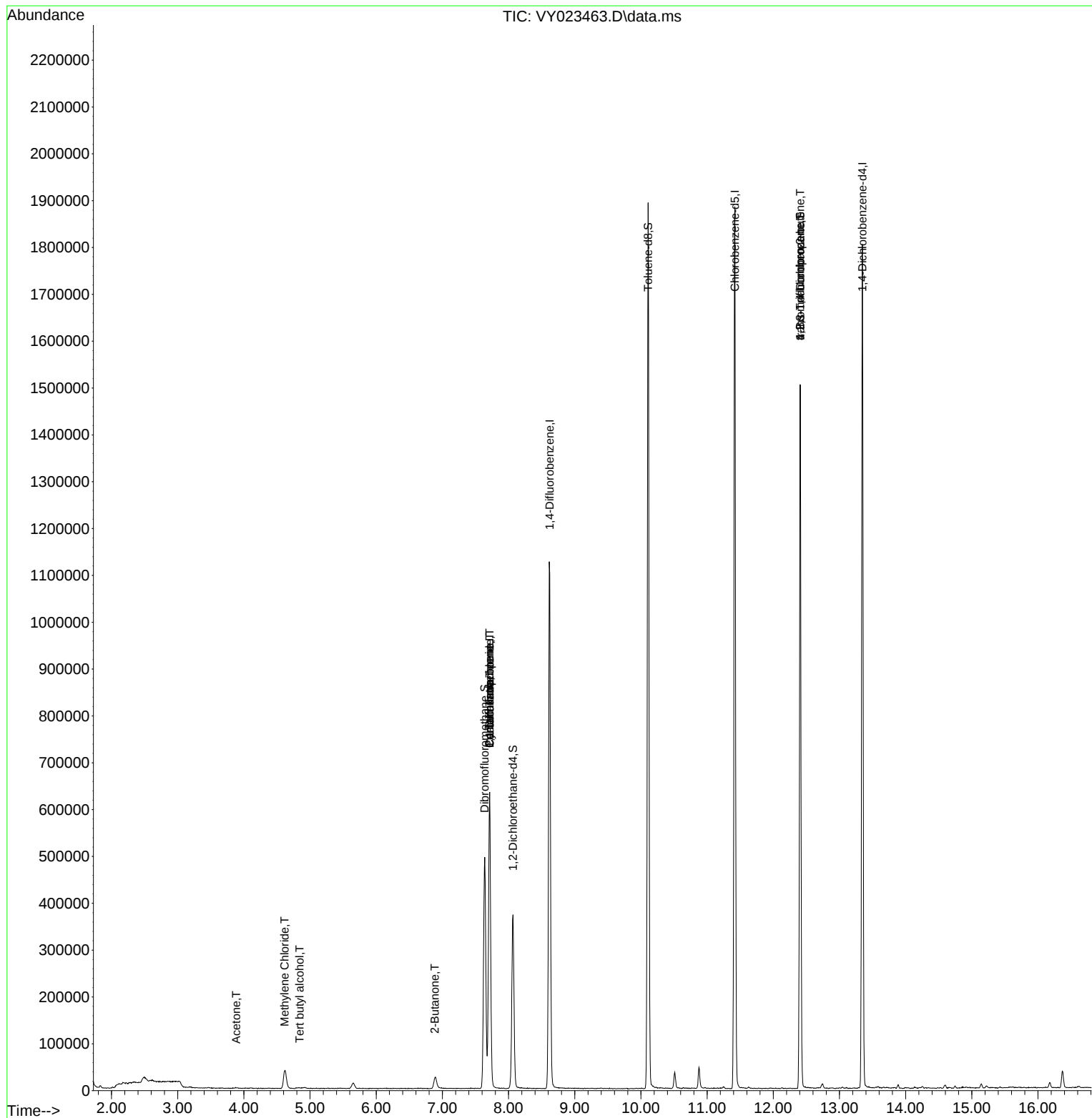
Internal Standards						
1) Pentafluorobenzene	7.713	168	511651	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.621	114	1026531	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1081825	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	482857	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	287420	67.178	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 134.360%			
35) Dibromofluoromethane	7.640	113	353304	56.013	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 112.020%			
50) Toluene-d8	10.109	98	1258426	53.573	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 107.140%			
62) 4-Bromofluorobenzene	12.407	95	426295	54.969	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 109.940%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.842	59	321	1.008	ug/l #	72
16) Acetone	3.885	43	1563	1.534	ug/l #	57
20) Methylene Chloride	4.616	84	32285	5.862	ug/l	98
25) 2-Butanone	6.884	43	1570	1.263	ug/l #	40
31) Cyclohexane	7.713	56	8804	1.237	ug/l #	1
36) 1,1-Dichloropropene	7.713	75	35204	4.216	ug/l #	47
38) Carbon Tetrachloride	7.713	117	47198	4.661	ug/l #	16
76) 1,2,3-Trichloropropane	12.407	75	212439	49.867	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	212439	122.284	ug/l #	15

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

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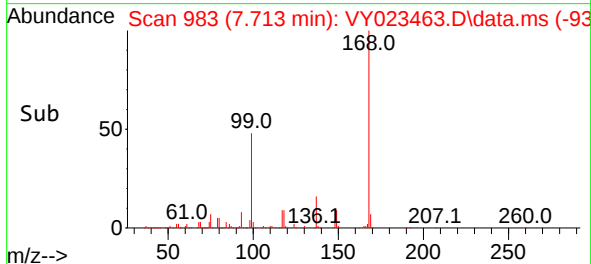
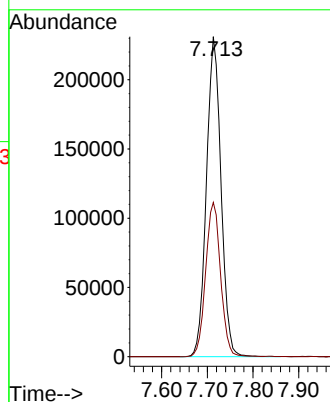
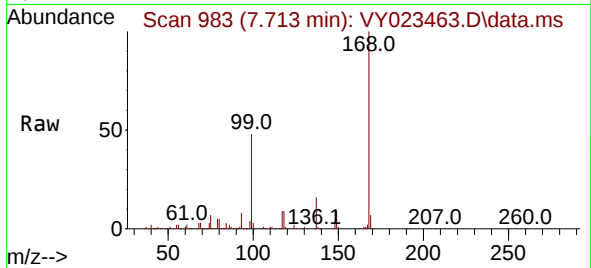




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023463.D
Acq: 14 Oct 2025 15:39

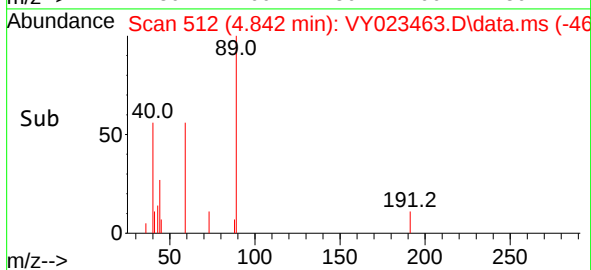
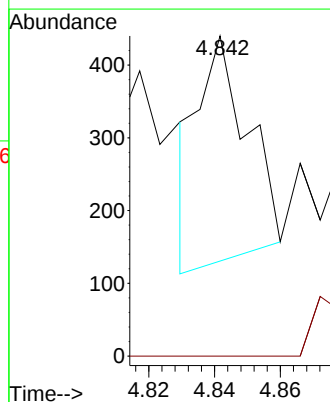
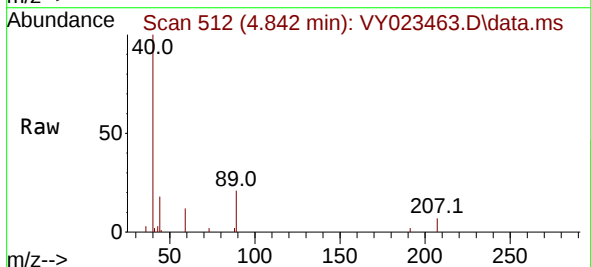
Instrument :
MSVOA_Y
ClientSampleId :
SOIL-ROLLOFF-WC-1-VOC

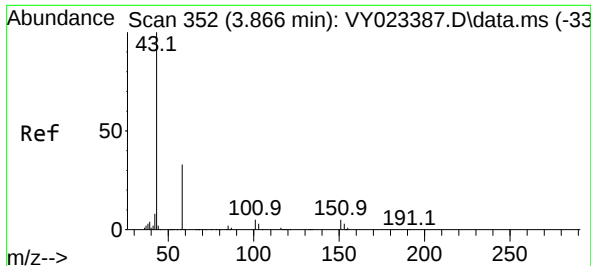
Tgt Ion:168 Resp: 511651
Ion Ratio Lower Upper
168 100
99 48.2 39.7 59.5



#11
Tert butyl alcohol
Concen: 1.008 ug/l
RT: 4.842 min Scan# 512
Delta R.T. -0.019 min
Lab File: VY023463.D
Acq: 14 Oct 2025 15:39

Tgt Ion: 59 Resp: 321
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#16

Acetone

Concen: 1.534 ug/l

RT: 3.885 min Scan# 3

Delta R.T. 0.018 min

Lab File: VY023463.D

Acq: 14 Oct 2025 15:39

Instrument :

MSVOA_Y

ClientSampleId :

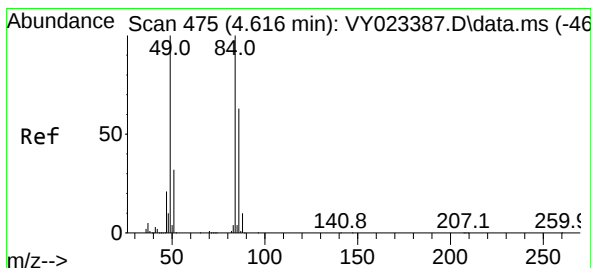
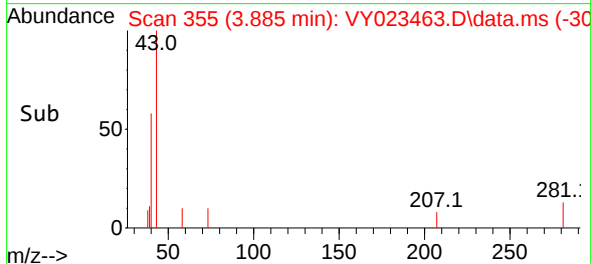
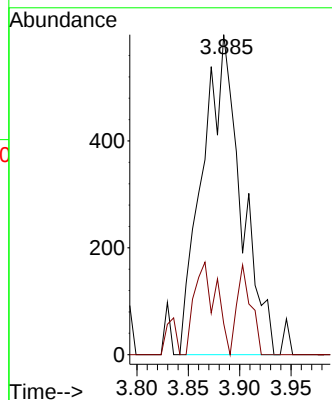
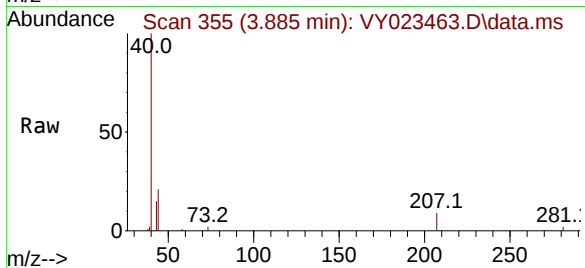
SOIL-ROLLOFF-WC-1-VOC

Tgt Ion: 43 Resp: 1563

Ion Ratio Lower Upper

43 100

58 9.7 27.7 41.5#



#20

Methylene Chloride

Concen: 5.862 ug/l

RT: 4.616 min Scan# 475

Delta R.T. -0.000 min

Lab File: VY023463.D

Acq: 14 Oct 2025 15:39

Tgt Ion: 84 Resp: 32285

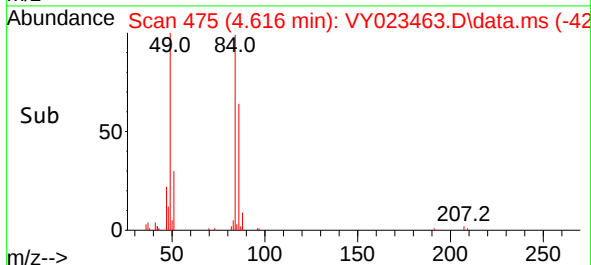
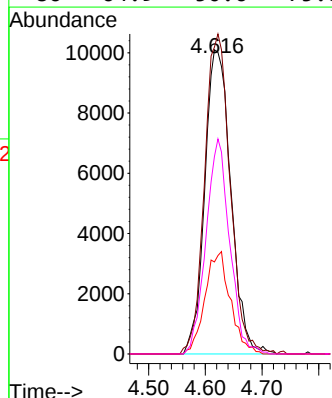
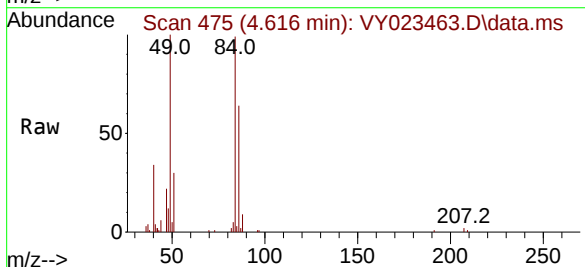
Ion Ratio Lower Upper

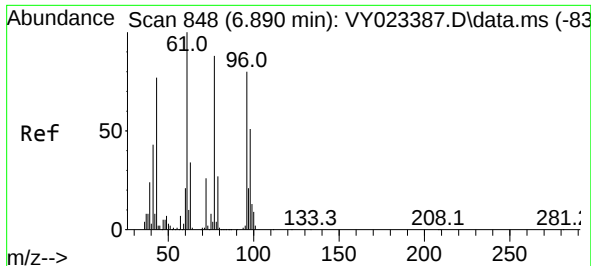
84 100

49 100.9 80.2 120.4

51 30.2 25.9 38.9

86 64.9 50.6 75.8

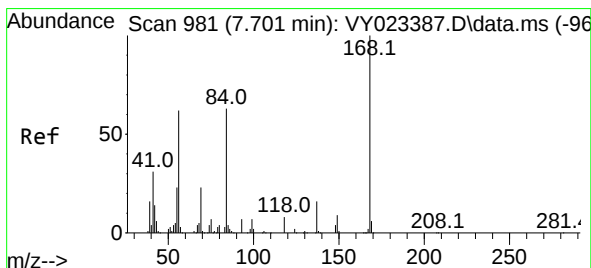
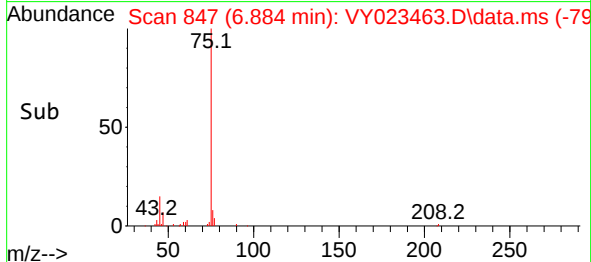
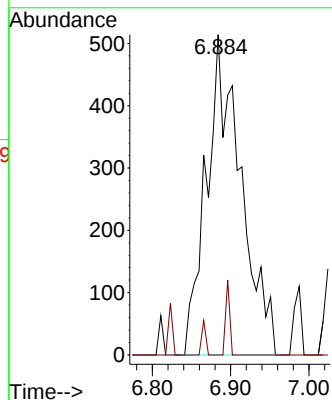
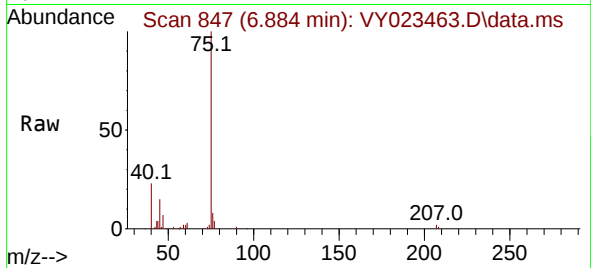




#25
2-Butanone
Concen: 1.263 ug/l
RT: 6.884 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY023463.D
Acq: 14 Oct 2025 15:39

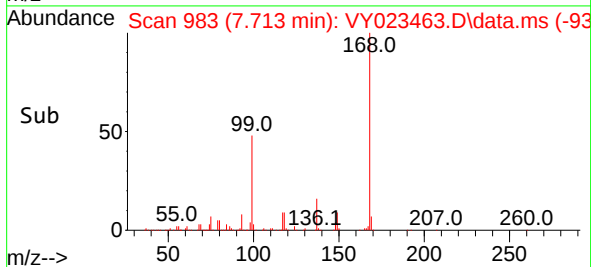
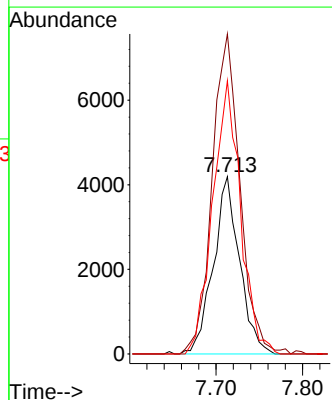
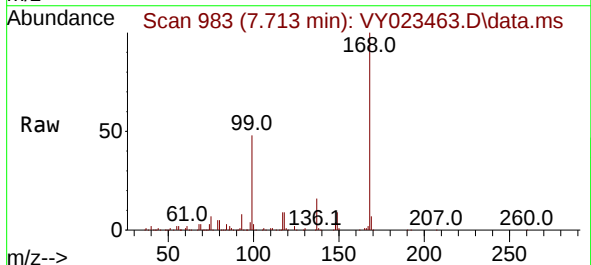
Instrument :
MSVOA_Y
ClientSampleId :
SOIL-ROLLOFF-WC-1-VOC

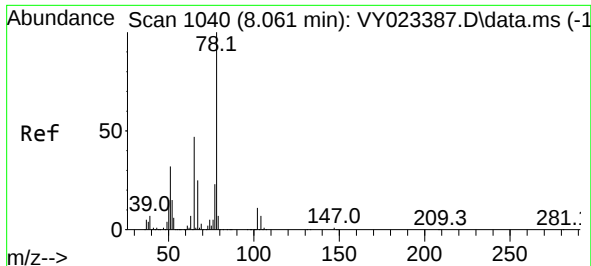
Tgt Ion: 43 Resp: 1570
Ion Ratio Lower Upper
43 100
72 0.0 27.4 41.2#



#31
Cyclohexane
Concen: 1.237 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.012 min
Lab File: VY023463.D
Acq: 14 Oct 2025 15:39

Tgt Ion: 56 Resp: 8804
Ion Ratio Lower Upper
56 100
69 180.5 30.0 45.0#
84 154.0 81.2 121.8#





#33

1,2-Dichloroethane-d4

Concen: 67.178 ug/l

RT: 8.067 min Scan# 110

Delta R.T. 0.006 min

Lab File: VY023463.D

Acq: 14 Oct 2025 15:39

Instrument :

MSVOA_Y

ClientSampleId :

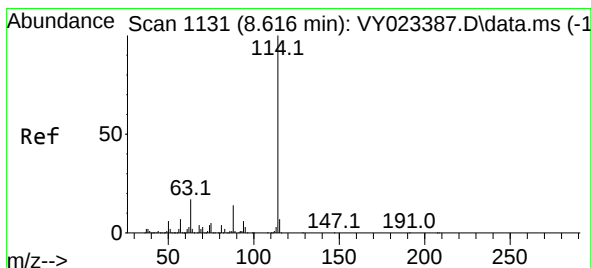
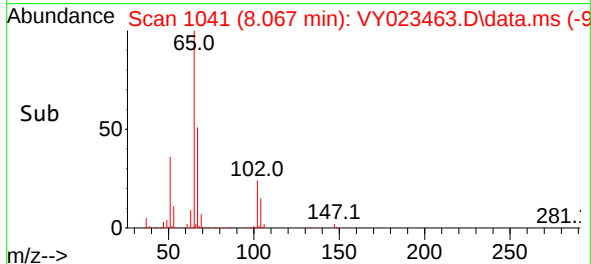
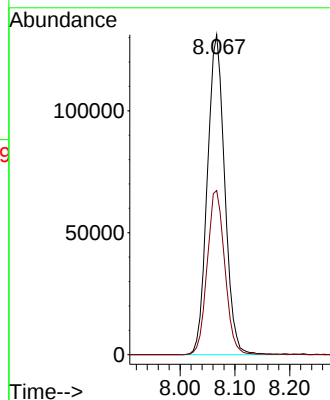
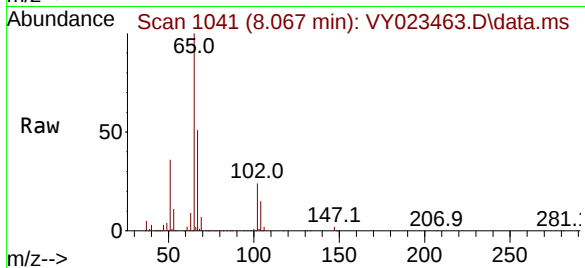
SOIL-ROLLOFF-WC-1-VOC

Tgt Ion: 65 Resp: 287420

Ion Ratio Lower Upper

65 100

67 52.2 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.621 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VY023463.D

Acq: 14 Oct 2025 15:39

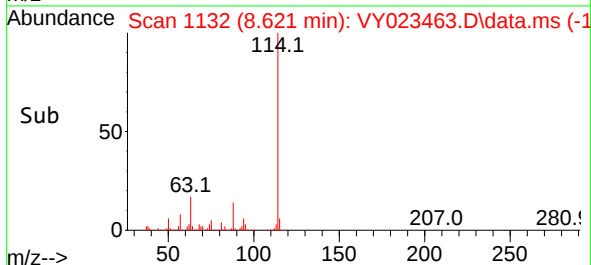
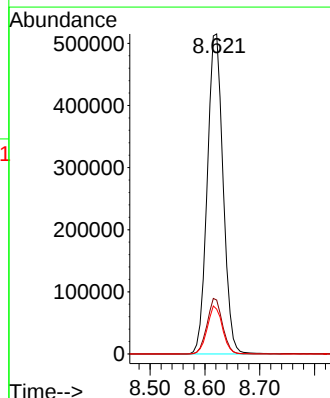
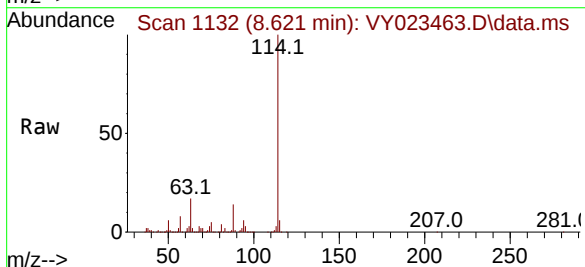
Tgt Ion:114 Resp: 1026531

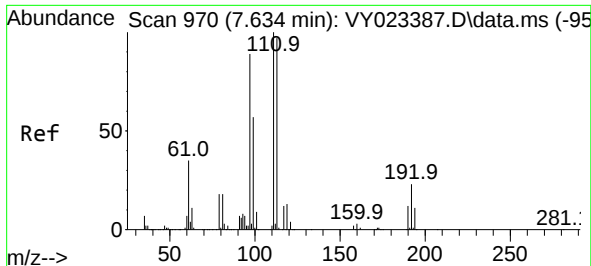
Ion Ratio Lower Upper

114 100

63 16.9 0.0 34.2

88 14.0 0.0 28.4

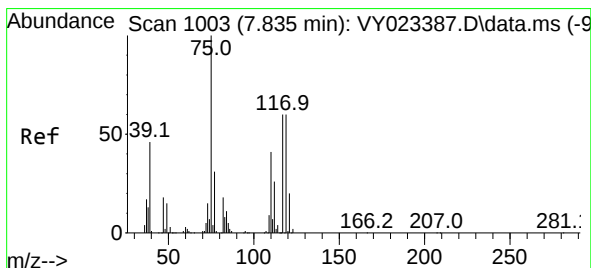
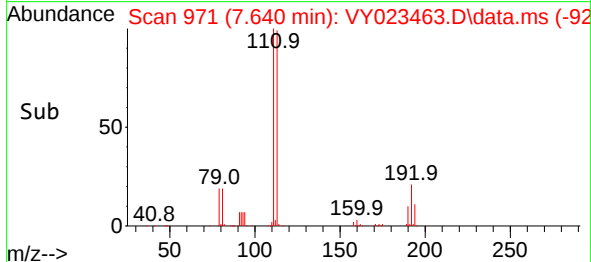
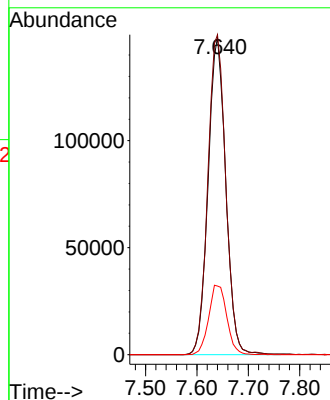
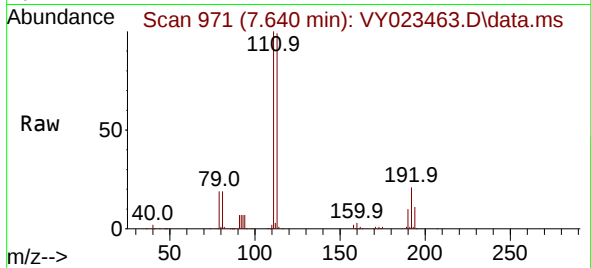




#35
Dibromofluoromethane
Concen: 56.013 ug/l
RT: 7.640 min Scan# 911
Delta R.T. 0.006 min
Lab File: VY023463.D
Acq: 14 Oct 2025 15:39

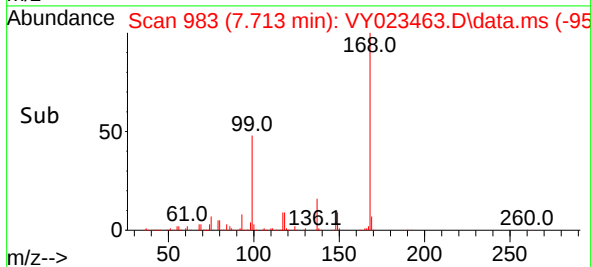
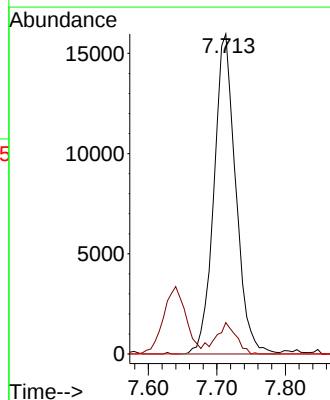
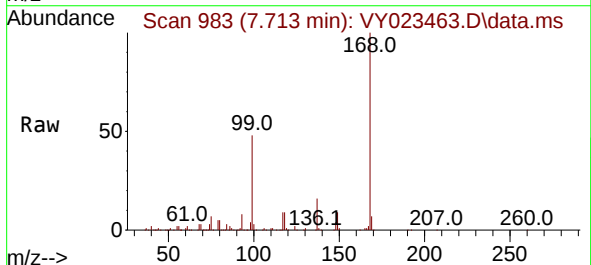
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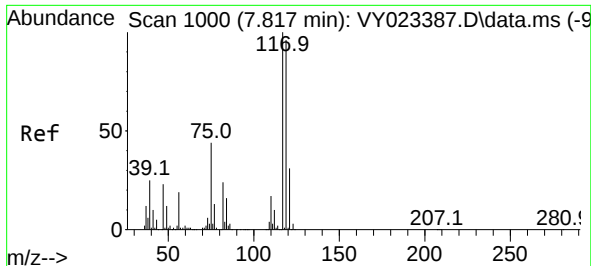
Tgt Ion:113 Resp: 353304
Ion Ratio Lower Upper
113 100
111 102.6 81.8 122.6
192 22.5 18.0 27.0



#36
1,1-Dichloropropene
Concen: 4.216 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.122 min
Lab File: VY023463.D
Acq: 14 Oct 2025 15:39

Tgt Ion: 75 Resp: 35204
Ion Ratio Lower Upper
75 100
110 9.2 19.9 59.7#
77 0.0 25.0 37.6#

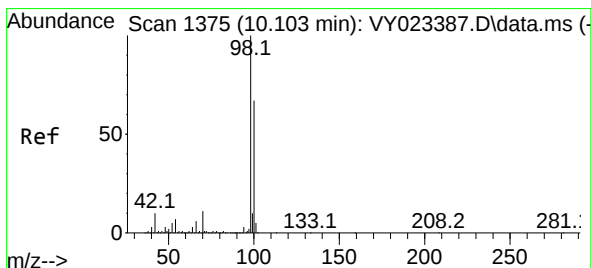
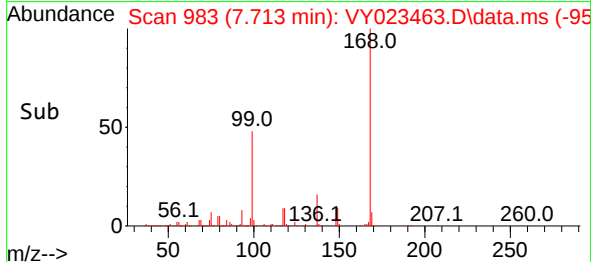
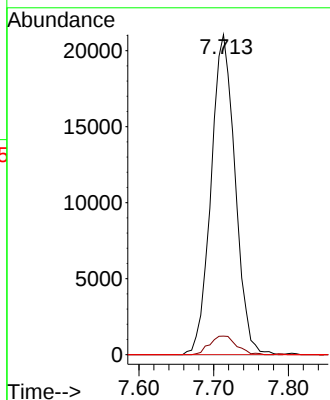
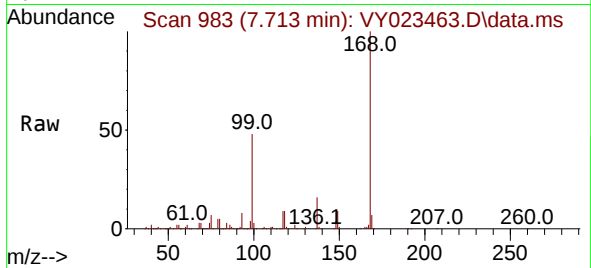




#38
Carbon Tetrachloride
Concen: 4.661 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY023463.D
Acq: 14 Oct 2025 15:39

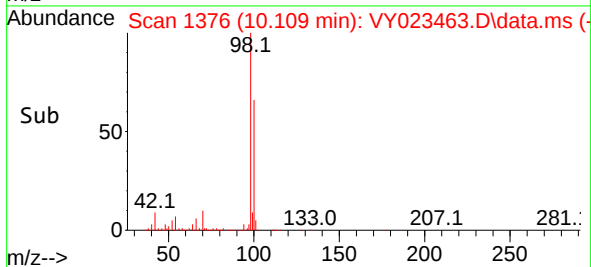
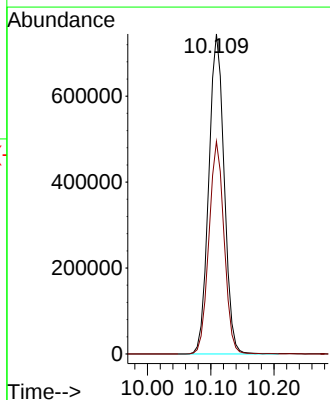
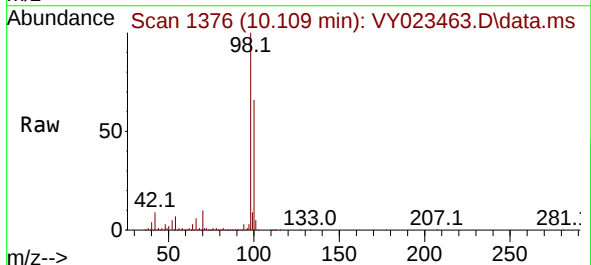
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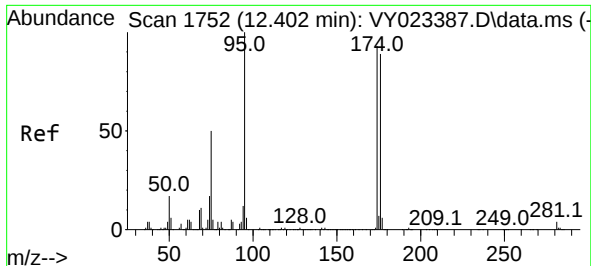
Tgt Ion:117 Resp: 47198
Ion Ratio Lower Upper
117 100
119 5.8 76.8 115.2#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 53.573 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023463.D
Acq: 14 Oct 2025 15:39

Tgt Ion: 98 Resp: 1258426
Ion Ratio Lower Upper
98 100
100 65.4 53.0 79.4

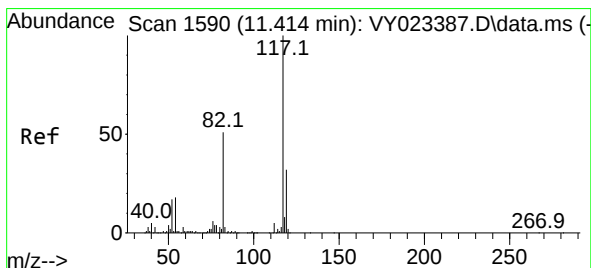
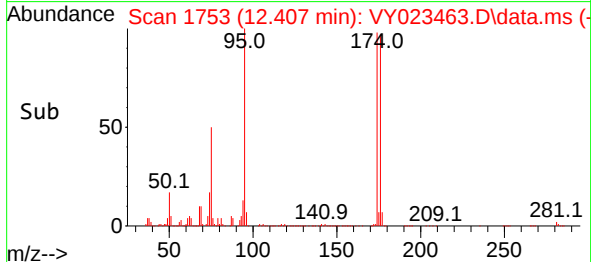
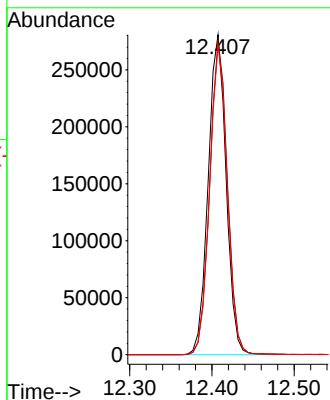
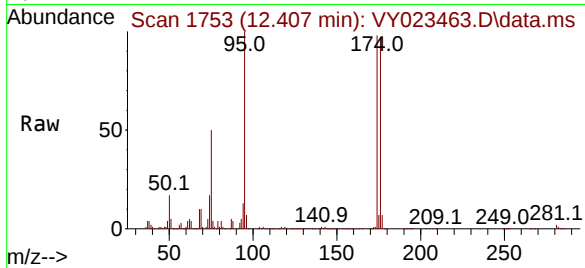




#62
4-Bromofluorobenzene
Concen: 54.969 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023463.D
Acq: 14 Oct 2025 15:39

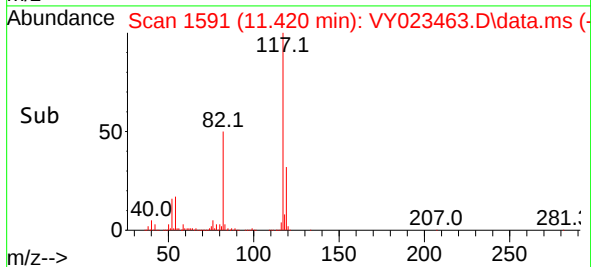
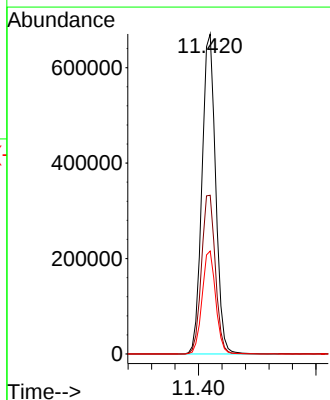
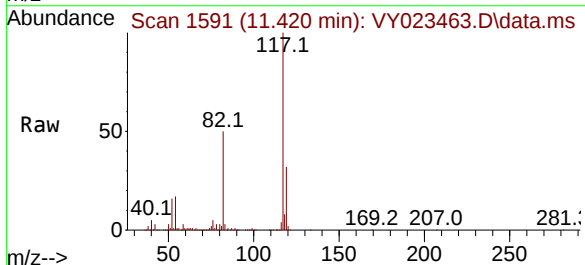
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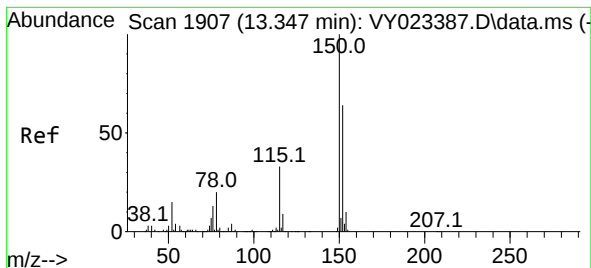
Tgt Ion: 95 Resp: 426295
Ion Ratio Lower Upper
95 100
174 97.2 0.0 192.8
176 94.5 0.0 187.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY023463.D
Acq: 14 Oct 2025 15:39

Tgt Ion: 117 Resp: 1081825
Ion Ratio Lower Upper
117 100
82 49.6 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: VY023463.D

Acq: 14 Oct 2025 15:39

Instrument :

MSVOA_Y

ClientSampleId :

SOIL-ROLLOFF-WC-1-VOC

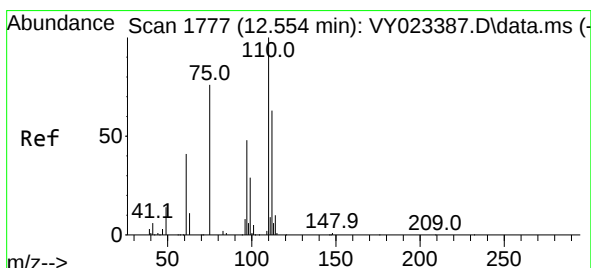
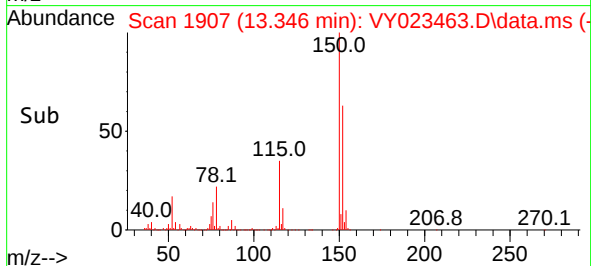
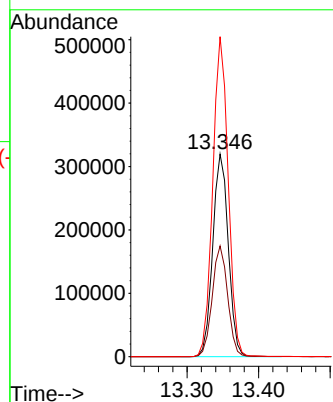
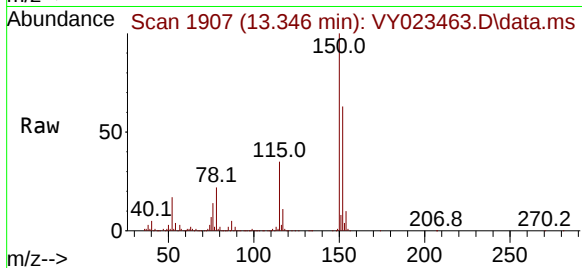
Tgt Ion:152 Resp: 482857

Ion Ratio Lower Upper

152 100

115 54.2 27.1 81.2

150 156.2 0.0 347.4



#76

1,2,3-Trichloropropane

Concen: 49.867 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. -0.147 min

Lab File: VY023463.D

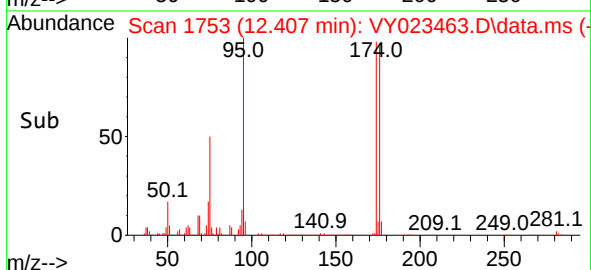
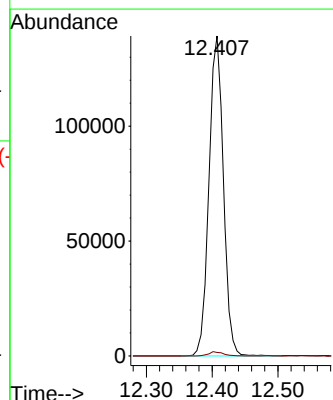
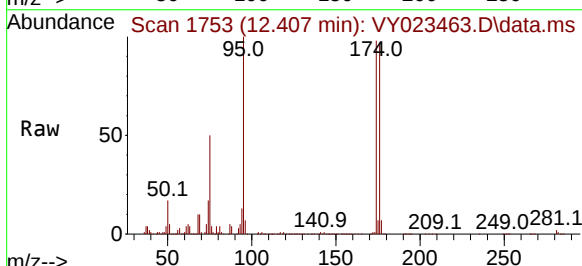
Acq: 14 Oct 2025 15:39

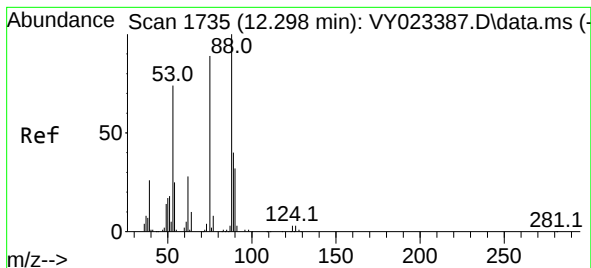
Tgt Ion: 75 Resp: 212439

Ion Ratio Lower Upper

75 100

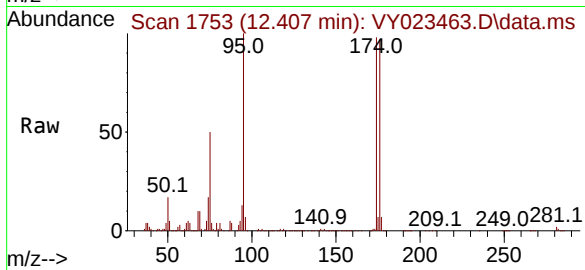
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 122.284 ug/l
 RT: 12.407 min Scan# 11
 Delta R.T. 0.109 min
 Lab File: VY023463.D
 Acq: 14 Oct 2025 15:39

Instrument :
 MSVOA_Y
 ClientSampleId :
 SOIL-ROLLOFF-WC-1-VOC



Tgt Ion: 75 Resp: 212439
 Ion Ratio Lower Upper
 75 100
 53 0.2 68.6 102.8#
 89 0.0 39.0 58.4#

