

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060225\
 Data File : VX046450.D
 Acq On : 02 Jun 2025 17:32
 Operator : JC/MD
 Sample : Q2161-01ME
 Misc : 5.16g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 B27-SOIL-SAMPLE

Quant Time: Jun 03 01:34:33 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

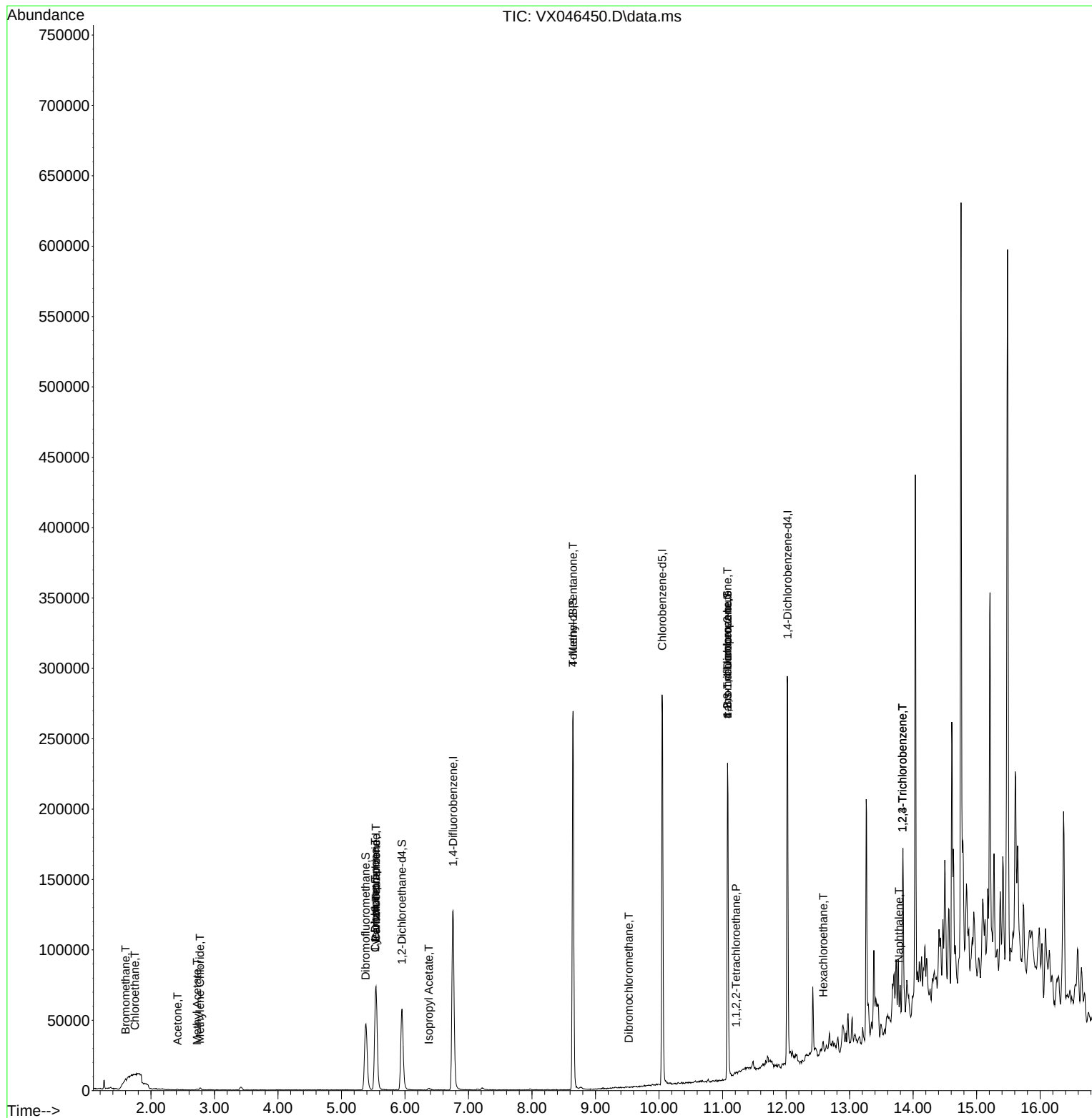
Internal Standards						
1) Pentafluorobenzene	5.543	168	63815	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	124373	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	117389	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	54091	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	59721	50.198	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.400%			
35) Dibromofluoromethane	5.379	113	42427	47.372	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.740%			
50) Toluene-d8	8.647	98	156991	50.645	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.280%			
62) 4-Bromofluorobenzene	11.079	95	61868	52.031	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.060%			
Target Compounds					Qvalue	
5) Bromomethane	1.599	94	138	0.338	ug/l #	80
6) Chloroethane	1.745	64	151	0.321	ug/l #	44
16) Acetone	2.416	43	346	0.725	ug/l #	48
18) Methyl Acetate	2.727	43	797	0.720	ug/l #	85
20) Methylene Chloride	2.770	84	616	0.674	ug/l #	81
31) Cyclohexane	5.531	56	1885	1.329	ug/l #	45
36) 1,1-Dichloropropene	5.531	75	6324	5.255	ug/l #	51
38) Carbon Tetrachloride	5.543	117	7480	5.532	ug/l #	17
43) Isopropyl Acetate	6.373	43	757	0.334	ug/l #	63
51) 4-Methyl-2-Pentanone	8.647	43	977	0.649	ug/l #	1
60) Dibromochloromethane	9.524	129	237	0.253	ug/l #	10
75) 1,1,2,2-Tetrachloroethane	11.213	83	424	0.287	ug/l #	18
76) 1,2,3-Trichloropropane	11.079	75	35037	26.910	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	35037	87.611	ug/l #	1
90) Hexachloroethane	12.585	117	166	0.262	ug/l	69
93) 1,2,4-Trichlorobenzene	13.835	180	455	0.442	ug/l	82
95) Naphthalene	13.780	128	3922	1.040	ug/l #	87
96) 1,2,3-Trichlorobenzene	13.835	180	583	0.549	ug/l	66

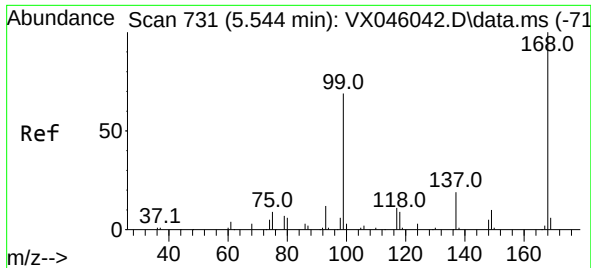
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 03 01:34:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
Quant Title : SW846 8260
QLast Update : Tue May 06 07:12:22 2025
Response via : Initial Calibration

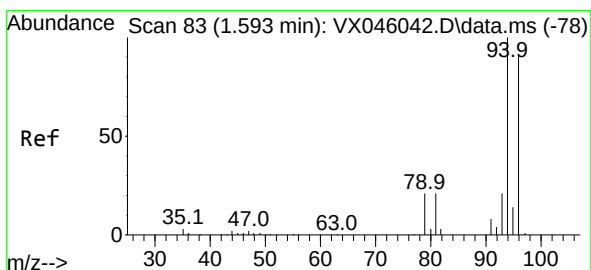
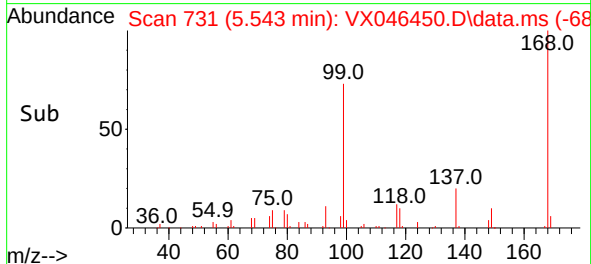
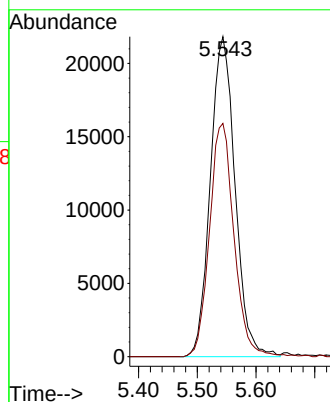
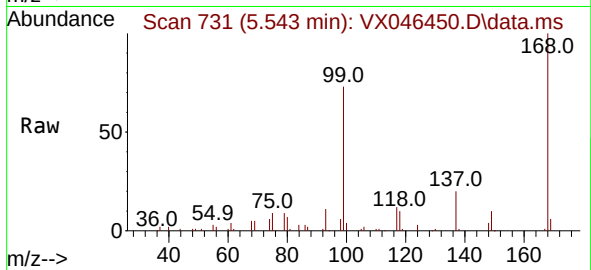




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.543 min Scan# 71
Delta R.T. -0.001 min
Lab File: VX046450.D
Acq: 02 Jun 2025 17:32

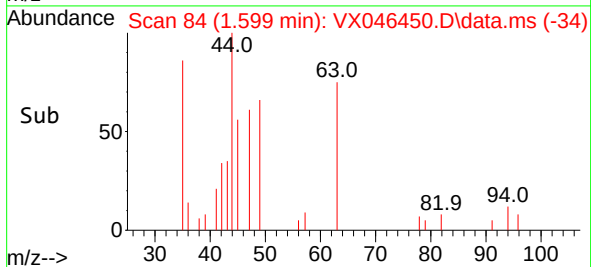
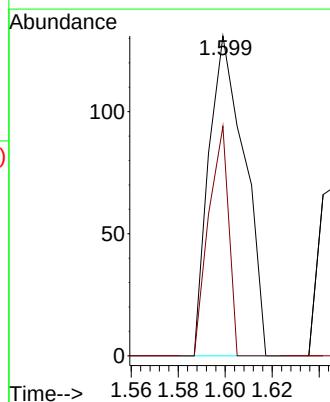
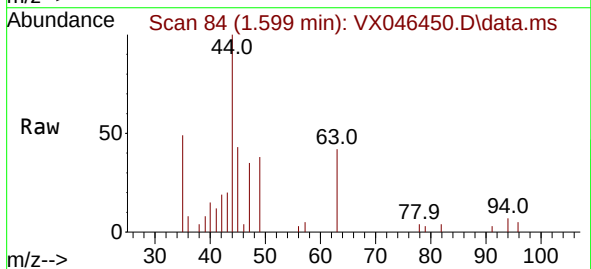
Instrument :
MSVOA_X
ClientSampleId :
B27-SOIL-SAMPLE

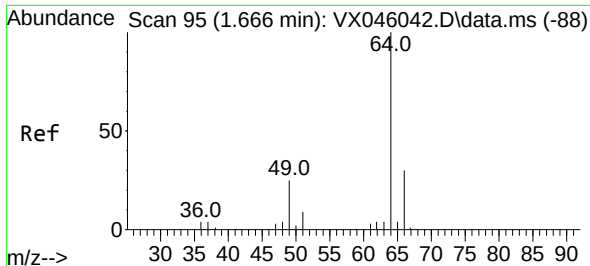
Tgt Ion:168 Resp: 63815
Ion Ratio Lower Upper
168 100
99 72.9 54.9 82.3



#5
Bromomethane
Concen: 0.338 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX046450.D
Acq: 02 Jun 2025 17:32

Tgt Ion: 94 Resp: 138
Ion Ratio Lower Upper
94 100
96 71.8 72.8 109.2#

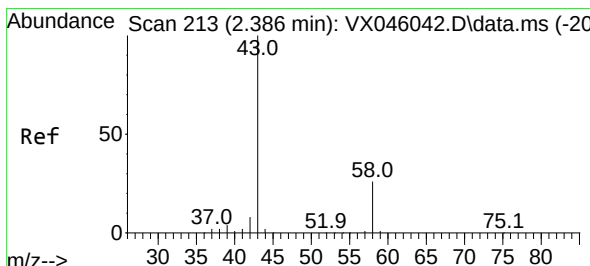
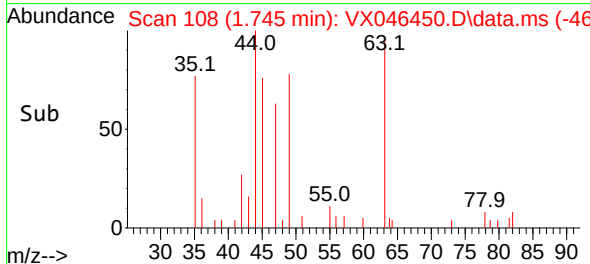
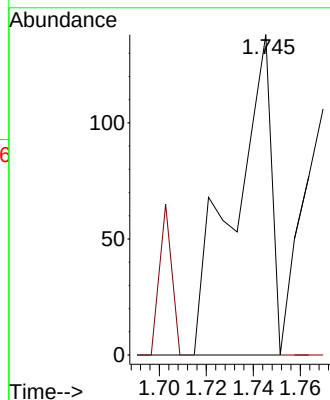
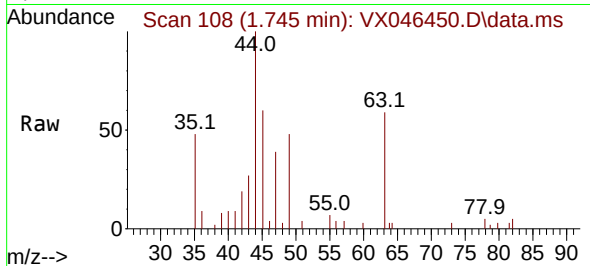




#6
Chloroethane
Concen: 0.321 ug/l
RT: 1.745 min Scan# 108
Delta R.T. 0.079 min
Lab File: VX046450.D
Acq: 02 Jun 2025 17:32

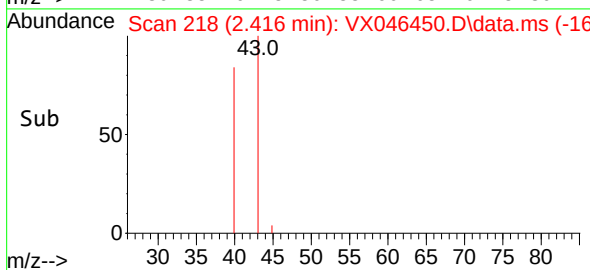
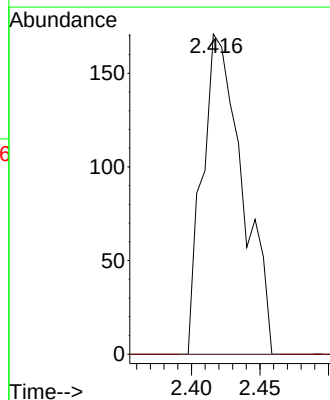
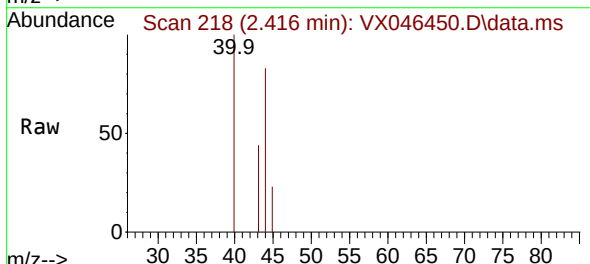
Instrument :
MSVOA_X
ClientSampleId :
B27-SOIL-SAMPLE

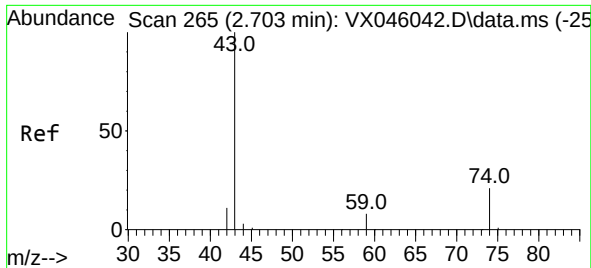
Tgt Ion: 64 Resp: 151
Ion Ratio Lower Upper
64 100
66 0.0 24.3 36.5#



#16
Acetone
Concen: 0.725 ug/l
RT: 2.416 min Scan# 218
Delta R.T. 0.030 min
Lab File: VX046450.D
Acq: 02 Jun 2025 17:32

Tgt Ion: 43 Resp: 346
Ion Ratio Lower Upper
43 100
58 0.0 21.2 31.8#

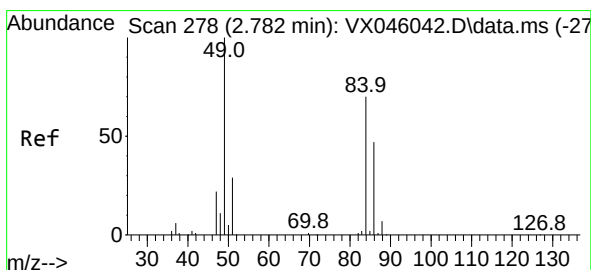
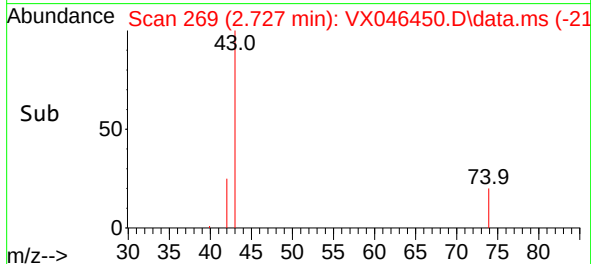
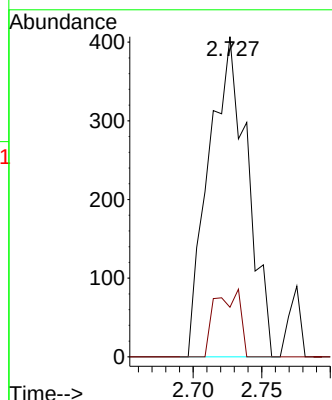
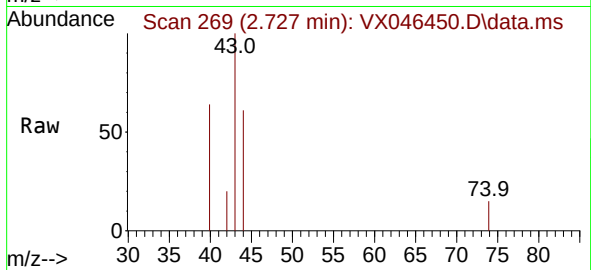




#18
Methyl Acetate
Concen: 0.720 ug/l
RT: 2.727 min Scan# 20
Delta R.T. 0.024 min
Lab File: VX046450.D
Acq: 02 Jun 2025 17:32

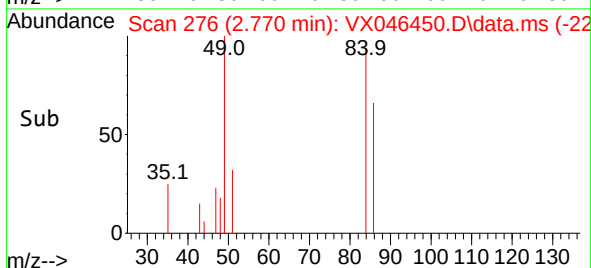
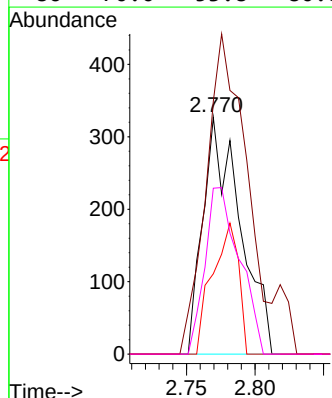
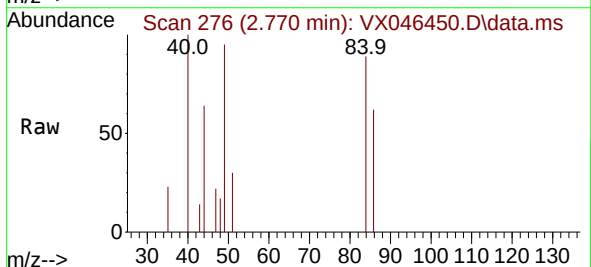
Instrument :
MSVOA_X
ClientSampleId :
B27-SOIL-SAMPLE

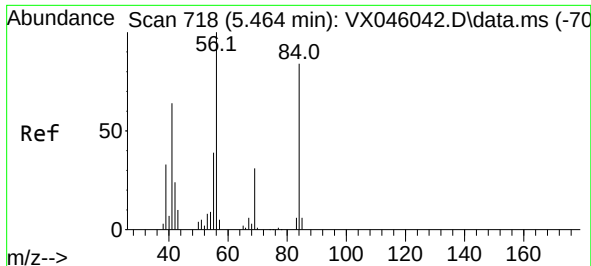
Tgt Ion: 43 Resp: 797
Ion Ratio Lower Upper
43 100
74 13.7 16.7 25.1#



#20
Methylene Chloride
Concen: 0.674 ug/l
RT: 2.770 min Scan# 276
Delta R.T. -0.012 min
Lab File: VX046450.D
Acq: 02 Jun 2025 17:32

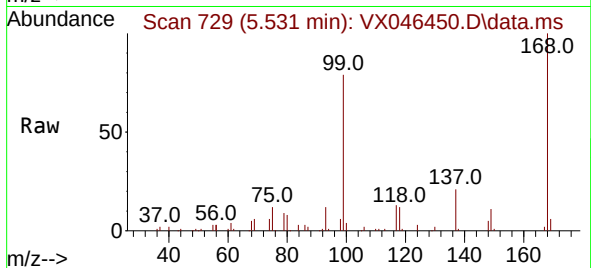
Tgt Ion: 84 Resp: 616
Ion Ratio Lower Upper
84 100
49 106.7 113.9 170.9#
51 33.9 33.5 50.3
86 70.0 53.8 80.8



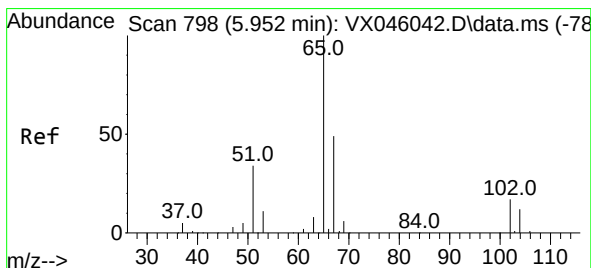
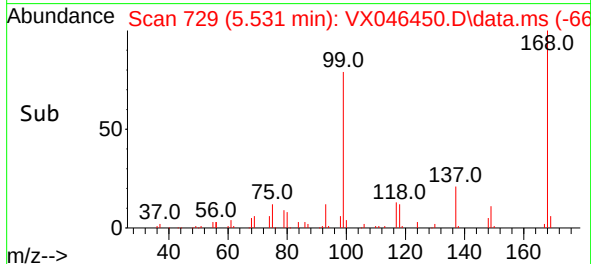
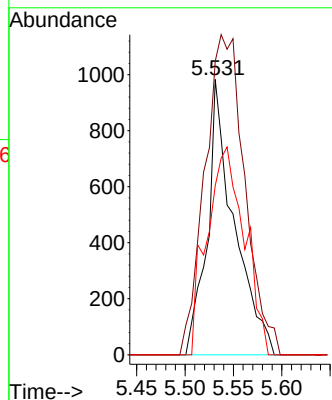


#31
Cyclohexane
Concen: 1.329 ug/l
RT: 5.531 min Scan# 718
Delta R.T. 0.067 min
Lab File: VX046450.D
Acq: 02 Jun 2025 17:32

Instrument :
MSVOA_X
ClientSampleId :
B27-SOIL-SAMPLE

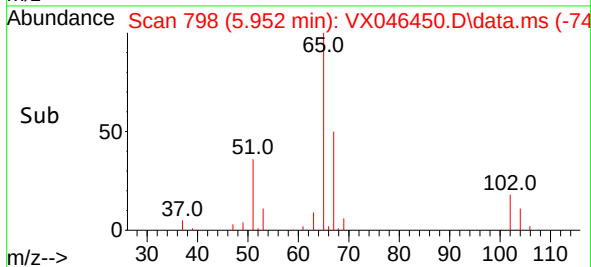
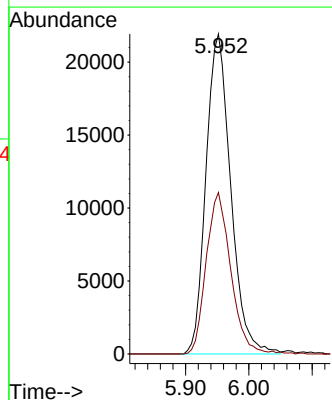
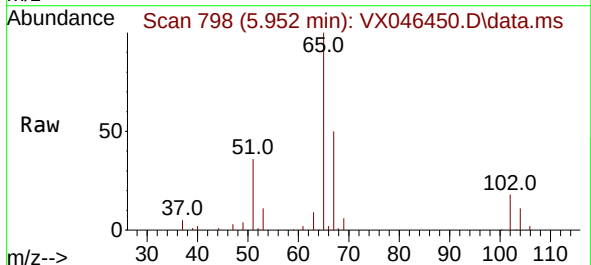


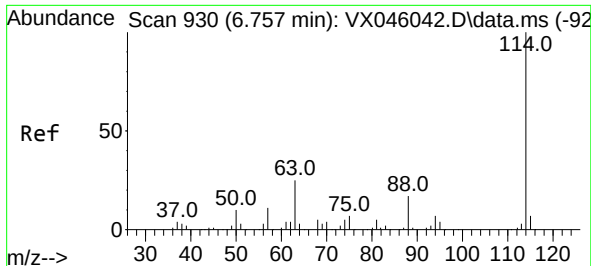
Tgt Ion: 56 Resp: 1885
Ion Ratio Lower Upper
56 100
69 106.6 24.4 36.6#
84 61.4 66.9 100.3#



#33
1,2-Dichloroethane-d4
Concen: 50.198 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX046450.D
Acq: 02 Jun 2025 17:32

Tgt Ion: 65 Resp: 59721
Ion Ratio Lower Upper
65 100
67 50.2 0.0 99.0

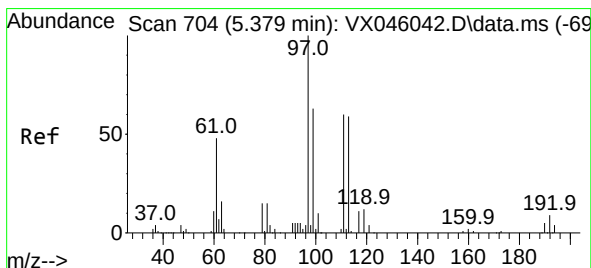
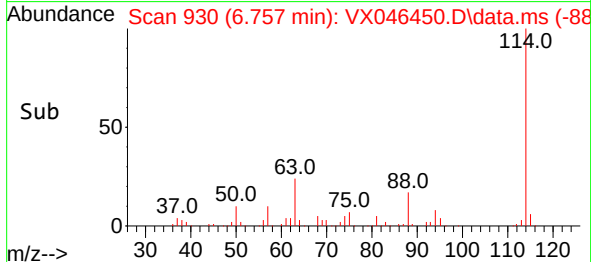
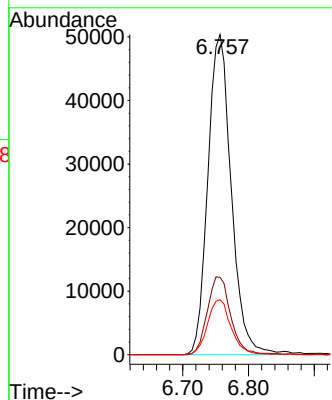
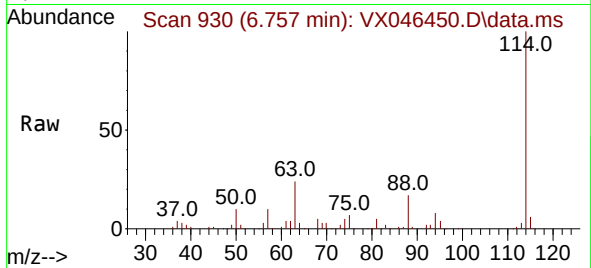




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX046450.D
Acq: 02 Jun 2025 17:32

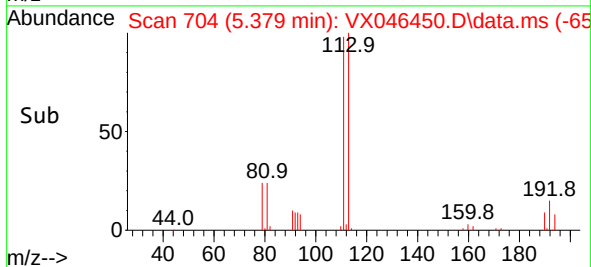
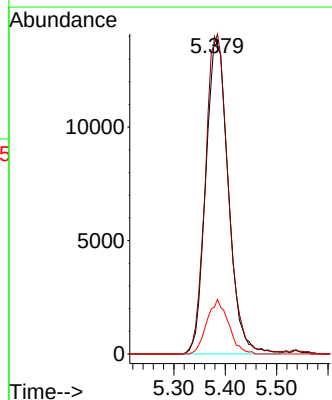
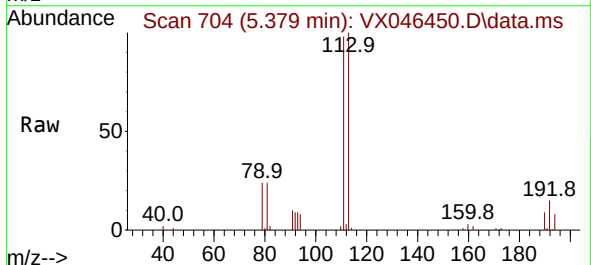
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ClientSampleId :
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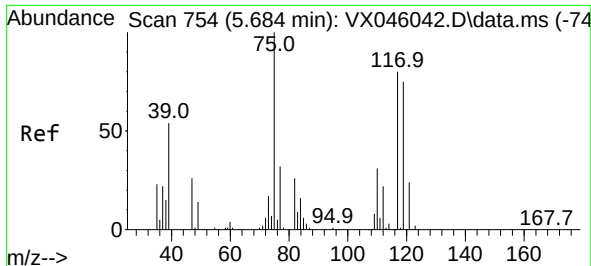
Tgt Ion:114 Resp: 124373
Ion Ratio Lower Upper
114 100
63 24.1 0.0 49.2
88 17.2 0.0 33.6



#35
Dibromofluoromethane
Concen: 47.372 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX046450.D
Acq: 02 Jun 2025 17:32

Tgt Ion:113 Resp: 42427
Ion Ratio Lower Upper
113 100
111 102.8 83.1 124.7
192 16.6 13.3 19.9

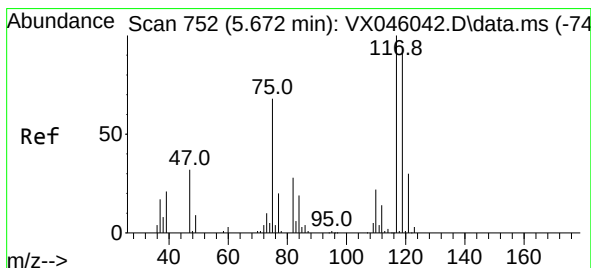
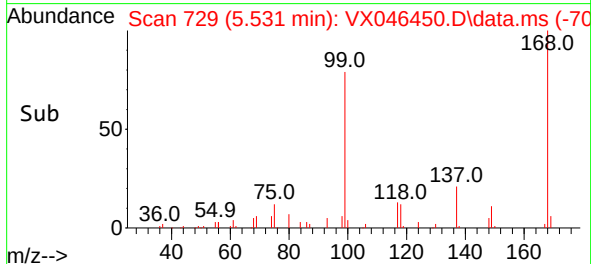
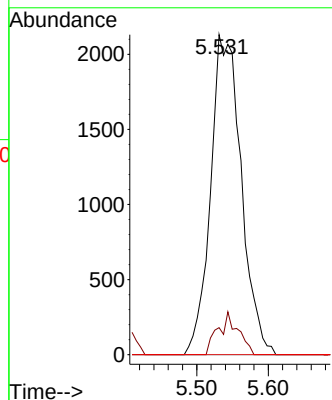
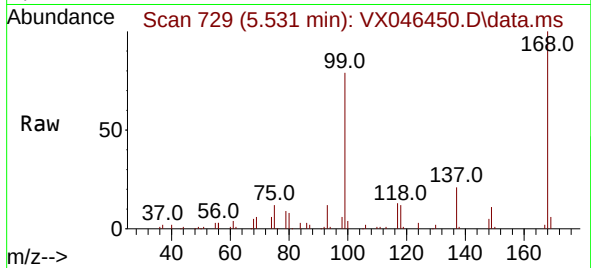




#36
1,1-Dichloropropene
Concen: 5.255 ug/l
RT: 5.531 min Scan# 711
Delta R.T. -0.153 min
Lab File: VX046450.D
Acq: 02 Jun 2025 17:32

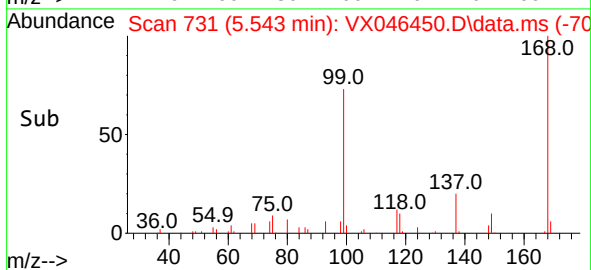
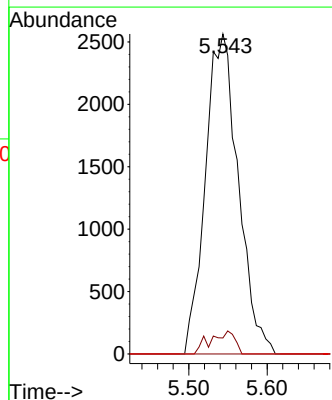
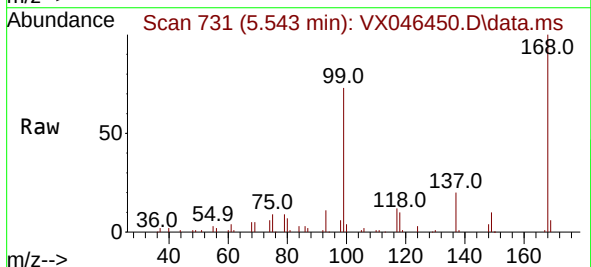
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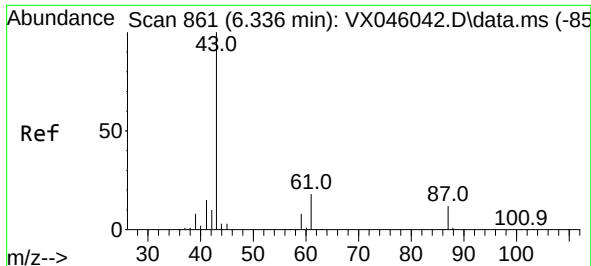
Tgt Ion: 75 Resp: 6324
Ion Ratio Lower Upper
75 100
110 8.8 16.3 48.9#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 5.532 ug/l
RT: 5.543 min Scan# 731
Delta R.T. -0.128 min
Lab File: VX046450.D
Acq: 02 Jun 2025 17:32

Tgt Ion: 117 Resp: 7480
Ion Ratio Lower Upper
117 100
119 5.0 75.2 112.8#
121 0.0 24.2 36.4#

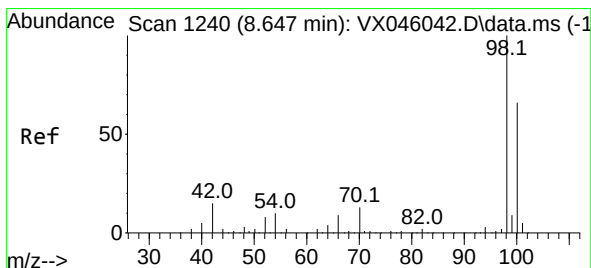
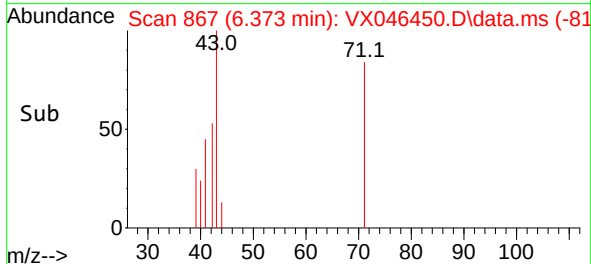
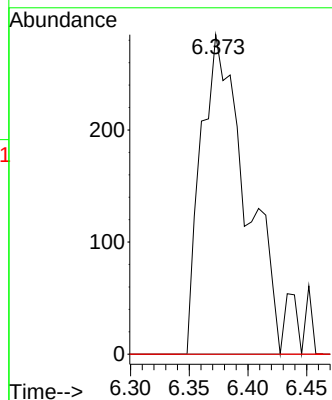
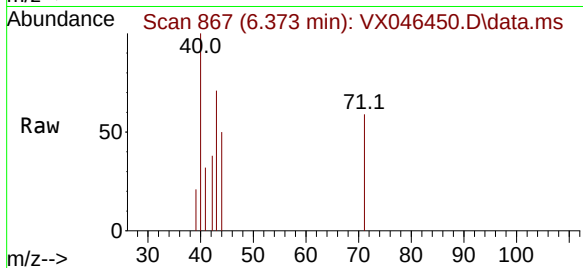




#43
Isopropyl Acetate
Concen: 0.334 ug/l
RT: 6.373 min Scan# 861
Delta R.T. 0.036 min
Lab File: VX046450.D
Acq: 02 Jun 2025 17:32

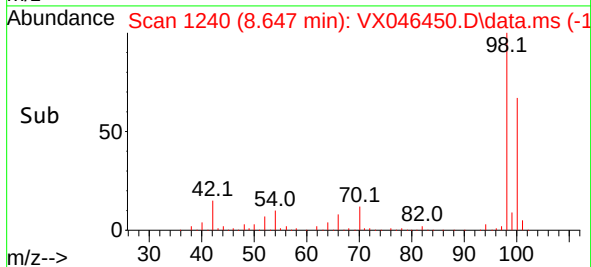
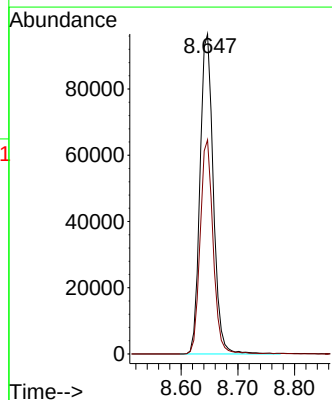
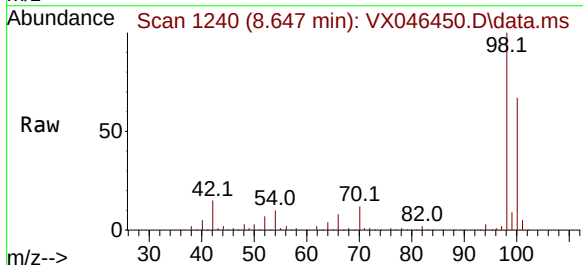
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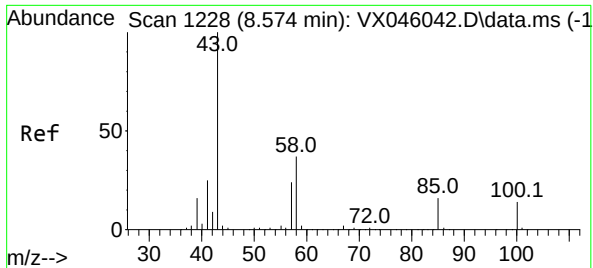
Tgt Ion: 43 Resp: 757
Ion Ratio Lower Upper
43 100
61 0.0 14.3 21.5#
87 0.0 9.5 14.3#



#50
Toluene-d8
Concen: 50.645 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX046450.D
Acq: 02 Jun 2025 17:32

Tgt Ion: 98 Resp: 156991
Ion Ratio Lower Upper
98 100
100 65.3 53.5 80.3

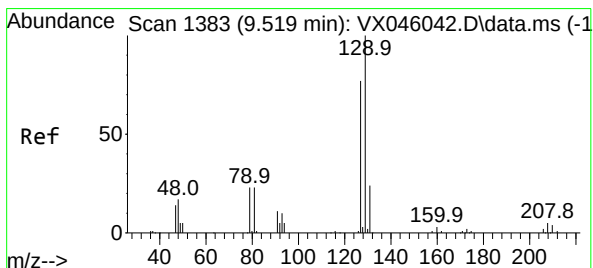
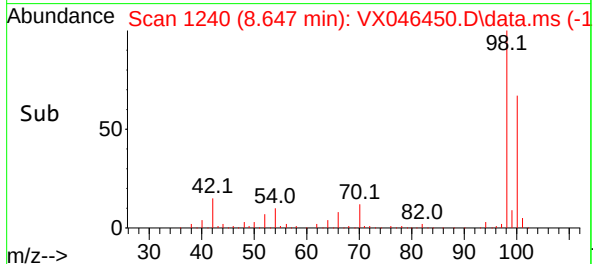
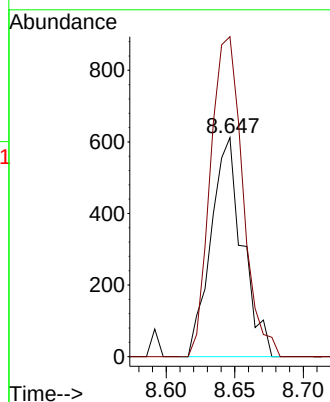
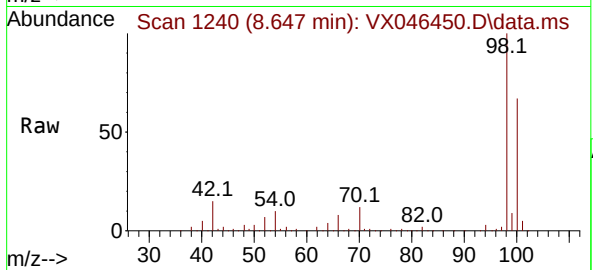




#51
4-Methyl-2-Pentanone
Concen: 0.649 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX046450.D
Acq: 02 Jun 2025 17:32

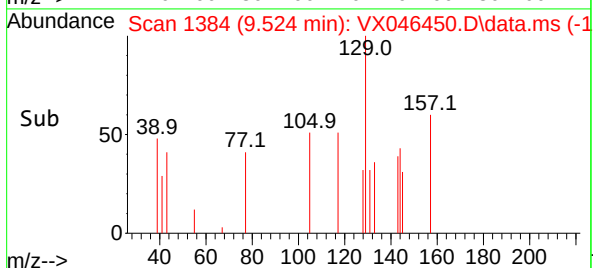
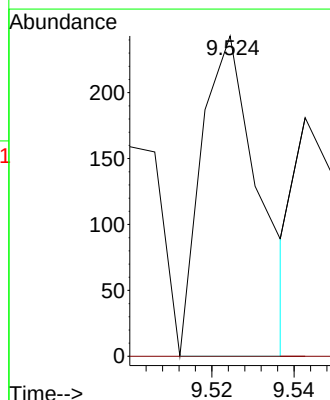
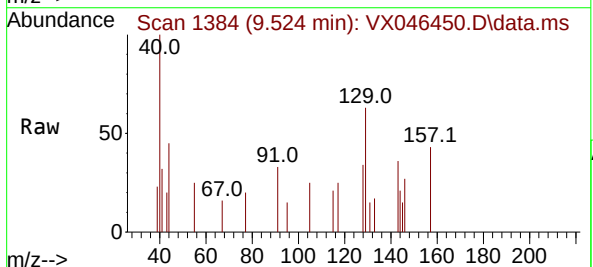
Instrument :
MSVOA_X
ClientSampleId :
B27-SOIL-SAMPLE

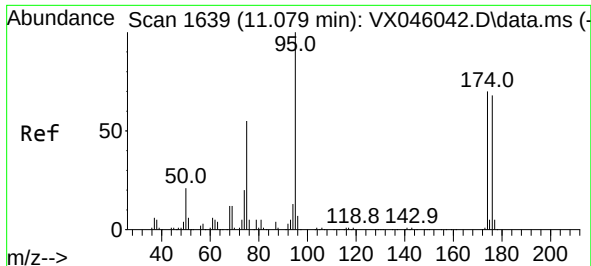
Tgt Ion: 43 Resp: 977
Ion Ratio Lower Upper
43 100
58 150.1 28.9 43.3#



#60
Dibromochloromethane
Concen: 0.253 ug/l
RT: 9.524 min Scan# 1384
Delta R.T. 0.006 min
Lab File: VX046450.D
Acq: 02 Jun 2025 17:32

Tgt Ion: 129 Resp: 237
Ion Ratio Lower Upper
129 100
127 0.0 39.3 117.8#

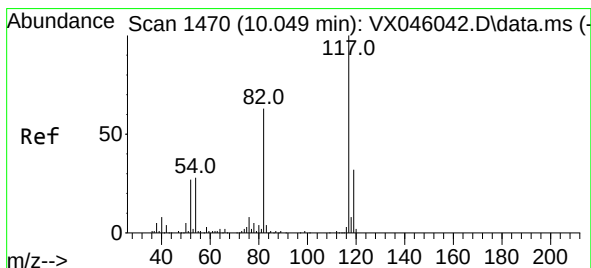
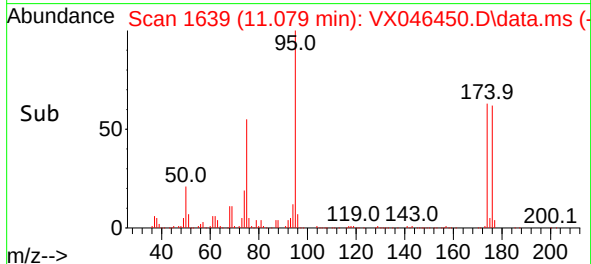
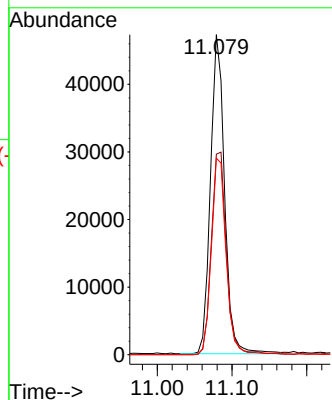
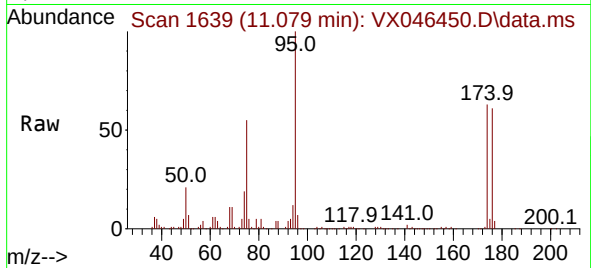




#62
4-Bromofluorobenzene
Concen: 52.031 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046450.D
Acq: 02 Jun 2025 17:32

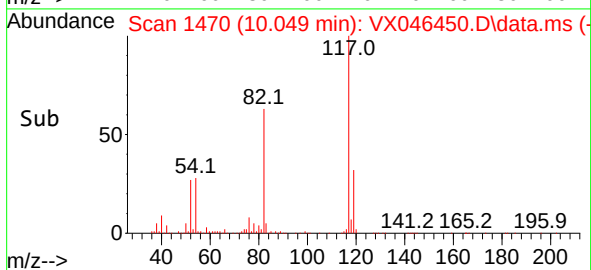
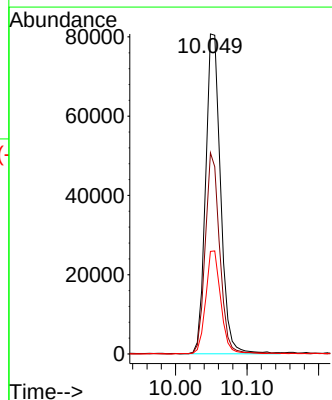
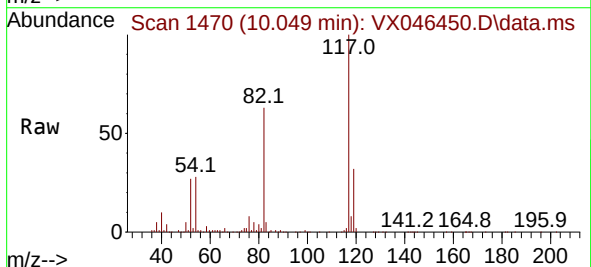
Instrument :
MSVOA_X
ClientSampleId :
B27-SOIL-SAMPLE

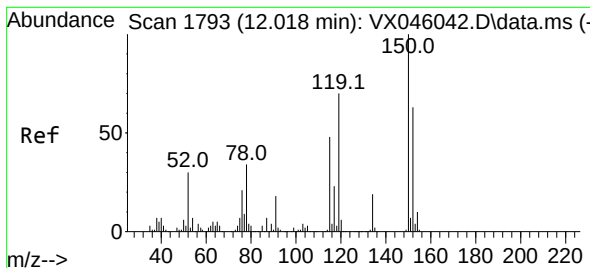
Tgt Ion: 95 Resp: 61868
Ion Ratio Lower Upper
95 100
174 67.9 0.0 135.8
176 64.5 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX046450.D
Acq: 02 Jun 2025 17:32

Tgt Ion: 117 Resp: 117389
Ion Ratio Lower Upper
117 100
82 62.8 50.6 76.0
119 32.0 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX046450.D

Acq: 02 Jun 2025 17:32

Instrument :

MSVOA_X

ClientSampleId :

B27-SOIL-SAMPLE

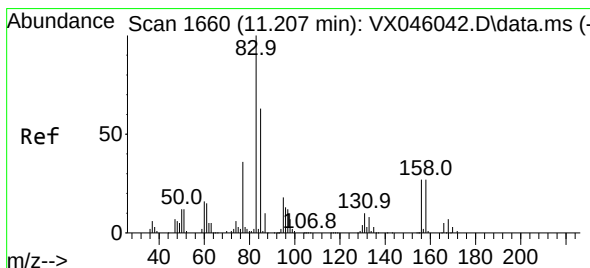
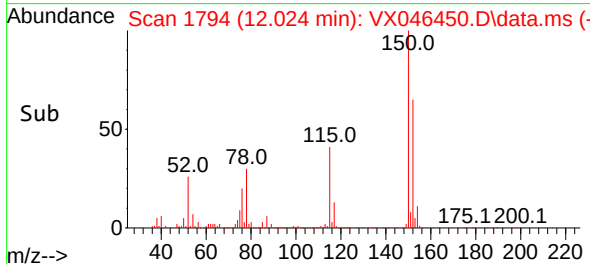
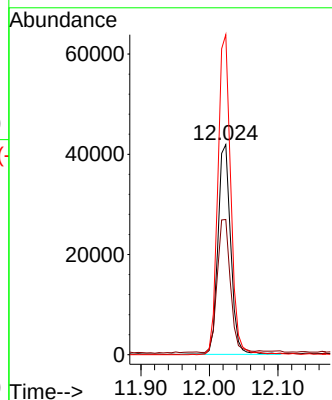
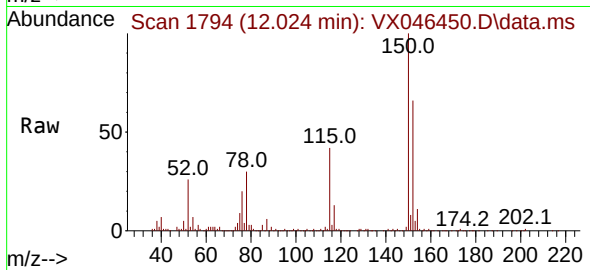
Tgt Ion:152 Resp: 54091

Ion Ratio Lower Upper

152 100

115 65.1 46.9 140.7

150 152.9 0.0 351.0



#75

1,1,2,2-Tetrachloroethane

Concen: 0.287 ug/l

RT: 11.213 min Scan# 1661

Delta R.T. 0.006 min

Lab File: VX046450.D

Acq: 02 Jun 2025 17:32

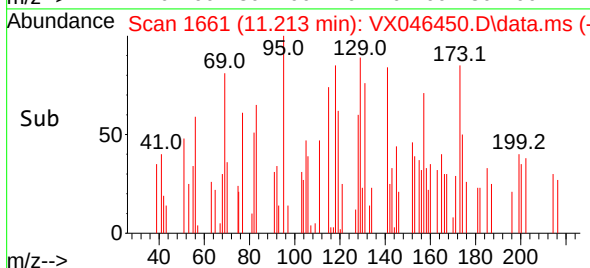
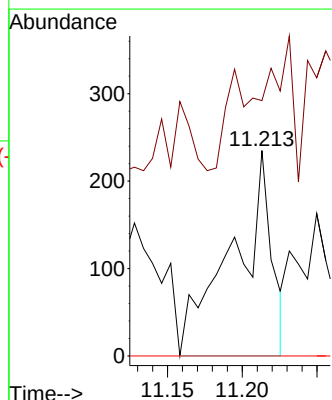
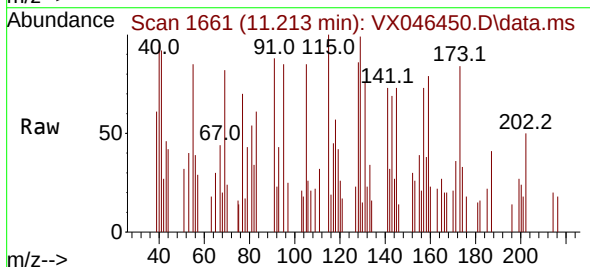
Tgt Ion: 83 Resp: 424

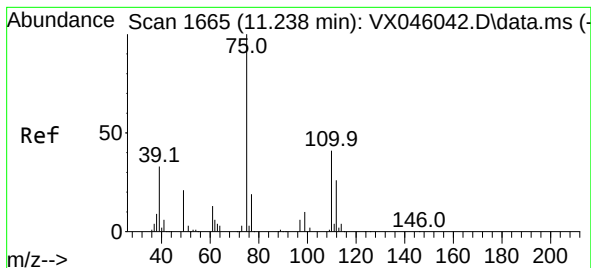
Ion Ratio Lower Upper

83 100

131 41.7 5.0 14.9#

85 0.0 31.9 95.7#





#76

1,2,3-Trichloropropane

Concen: 26.910 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX046450.D

Acq: 02 Jun 2025 17:32

Instrument :

MSVOA_X

ClientSampleId :

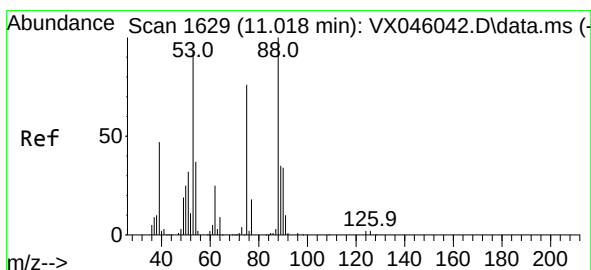
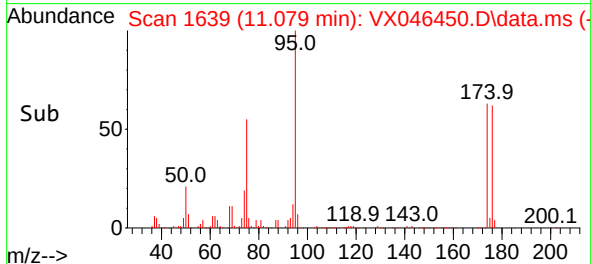
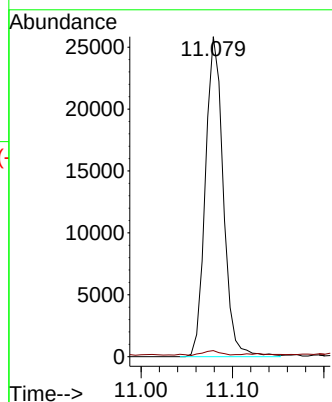
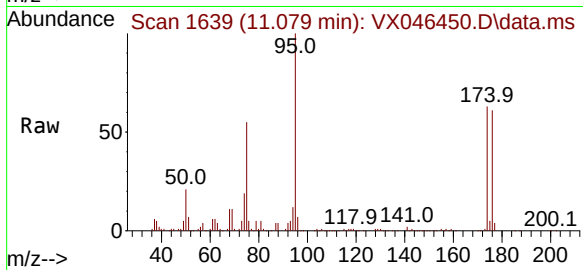
B27-SOIL-SAMPLE

Tgt Ion: 75 Resp: 35037

Ion Ratio Lower Upper

75 100

77 1.7 20.5 61.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 87.611 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX046450.D

Acq: 02 Jun 2025 17:32

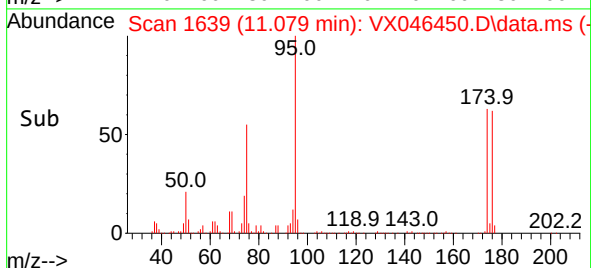
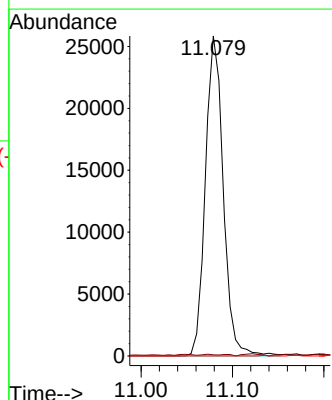
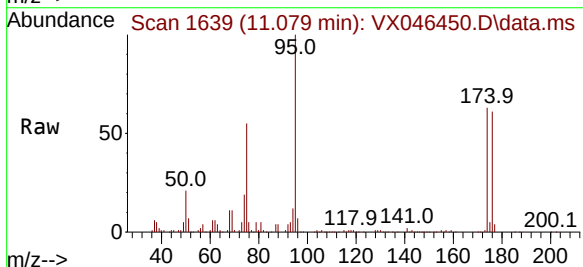
Tgt Ion: 75 Resp: 35037

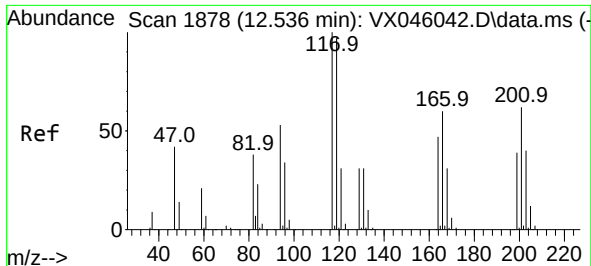
Ion Ratio Lower Upper

75 100

53 0.2 100.5 150.7#

89 0.0 37.0 55.6#





#90

Hexachloroethane

Concen: 0.262 ug/l

RT: 12.585 min Scan# 11

Delta R.T. 0.048 min

Lab File: VX046450.D

Acq: 02 Jun 2025 17:32

Instrument :

MSVOA_X

ClientSampleId :

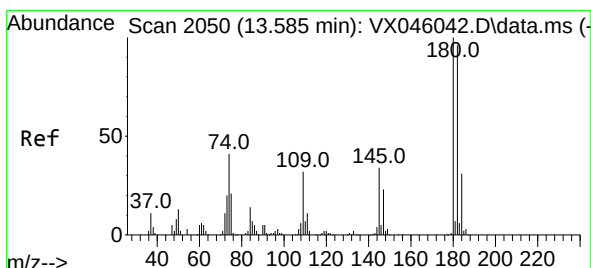
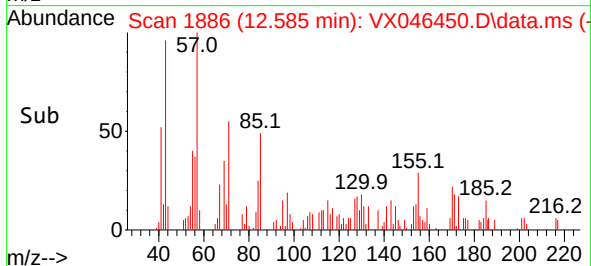
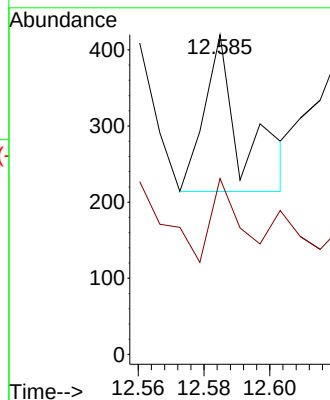
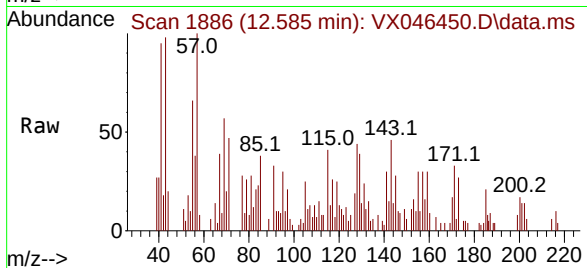
B27-SOIL-SAMPLE

Tgt Ion:117 Resp: 166

Ion Ratio Lower Upper

117 100

201 39.2 31.6 94.7



#93

1,2,4-Trichlorobenzene

Concen: 0.442 ug/l

RT: 13.835 min Scan# 2091

Delta R.T. 0.250 min

Lab File: VX046450.D

Acq: 02 Jun 2025 17:32

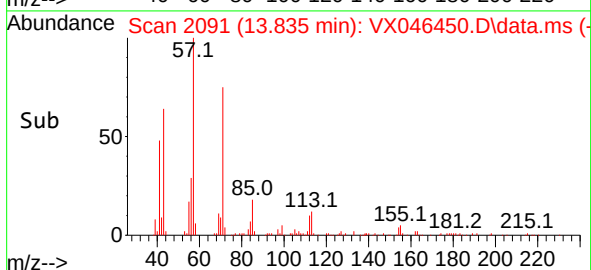
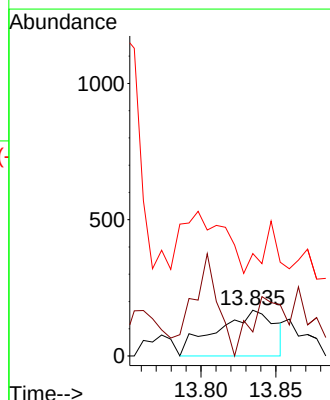
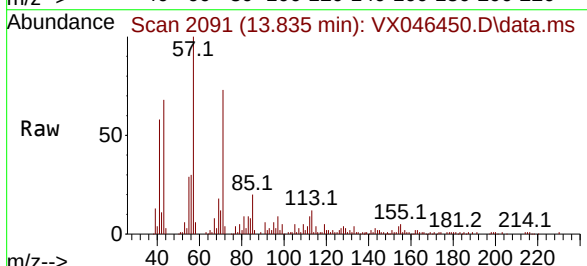
Tgt Ion:180 Resp: 455

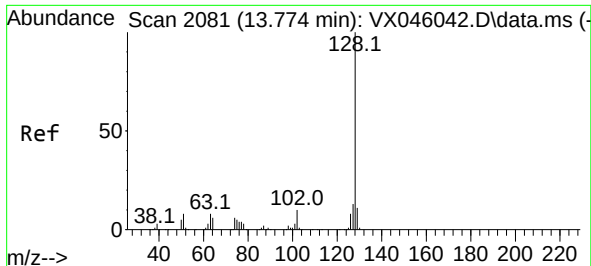
Ion Ratio Lower Upper

180 100

182 75.2 47.9 143.8

145 28.8 17.1 51.2

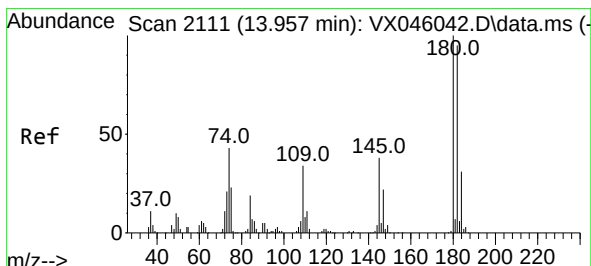
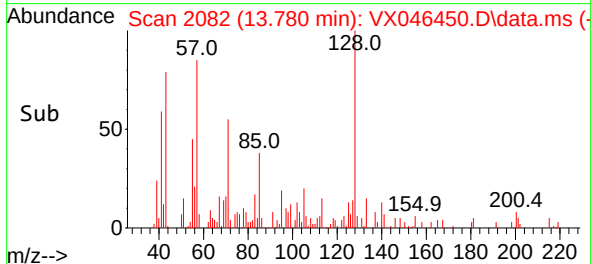
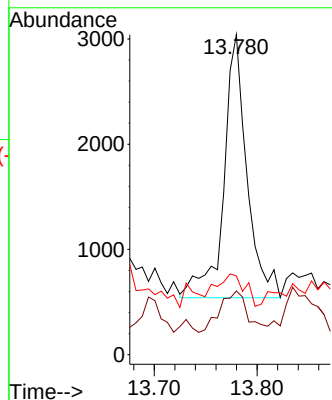
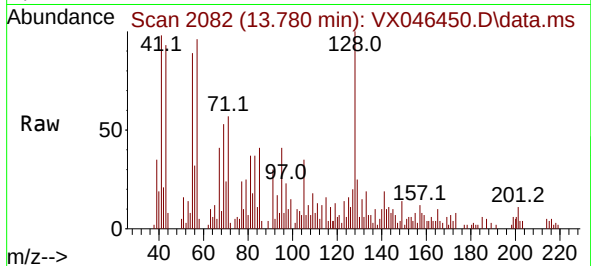




#95
Naphthalene
Concen: 1.040 ug/l
RT: 13.780 min Scan# 2081
Delta R.T. 0.006 min
Lab File: VX046450.D
Acq: 02 Jun 2025 17:32

Instrument :
MSVOA_X
ClientSampleId :
B27-SOIL-SAMPLE

Tgt Ion:128 Resp: 3922
Ion Ratio Lower Upper
128 100
127 18.8 10.4 15.6#
129 14.7 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 0.549 ug/l
RT: 13.835 min Scan# 2091
Delta R.T. -0.122 min
Lab File: VX046450.D
Acq: 02 Jun 2025 17:32

Tgt Ion:180 Resp: 583
Ion Ratio Lower Upper
180 100
182 58.7 47.8 143.3
145 22.5 18.1 54.3

