

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
 Data File : VY023146.D
 Acq On : 19 Aug 2025 13:18
 Operator : SY/MD
 Sample : Q2871-04
 Misc : 5.23g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 DRILL CUTTING 4-6 COMPRE

Quant Time: Aug 20 01:29:10 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

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

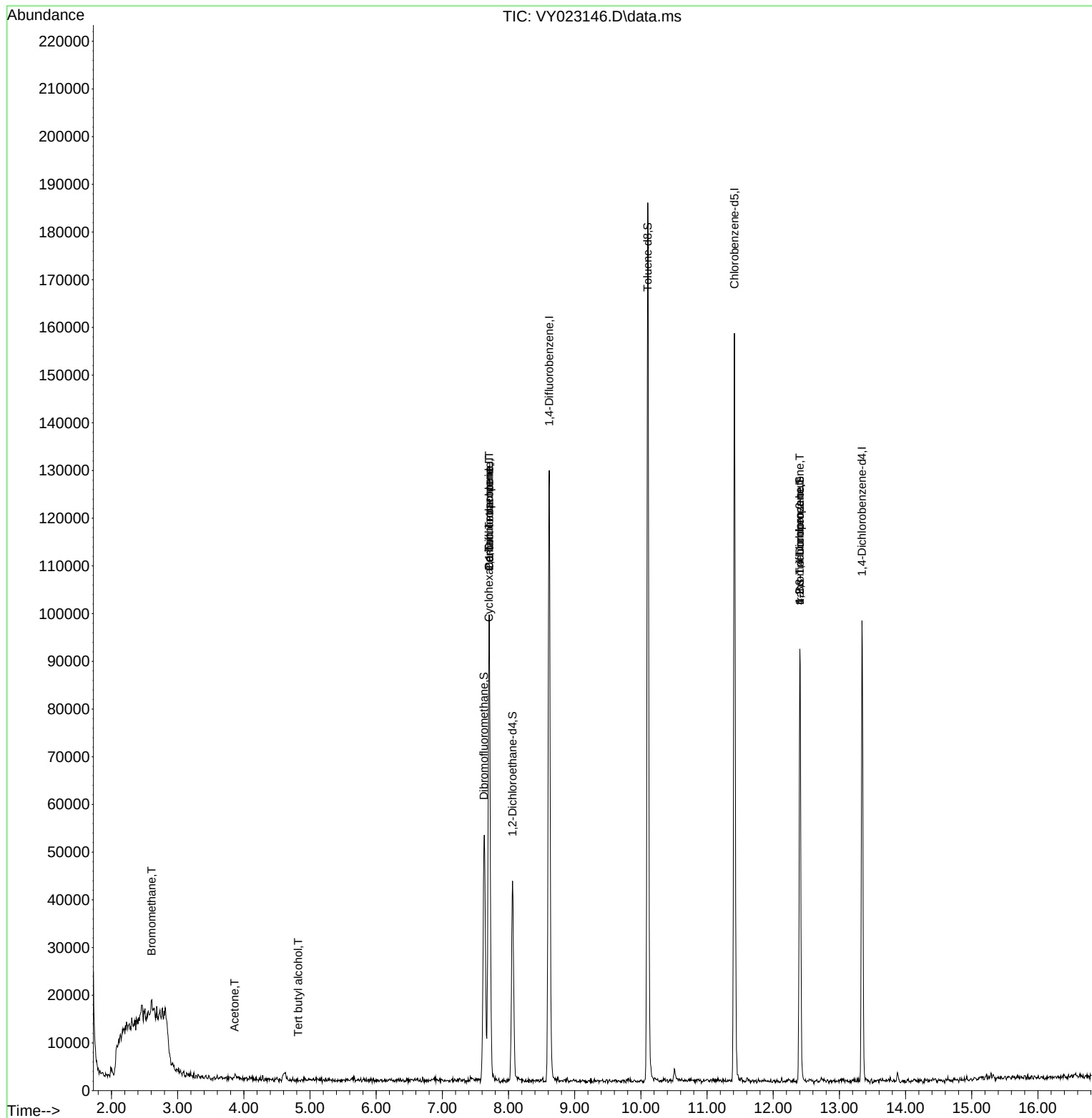
Internal Standards						
1) Pentafluorobenzene	7.707	168	76180	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	112658	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	85278	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	25340	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	32673	45.001	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	90.000%
35) Dibromofluoromethane	7.628	113	38724	57.445	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	114.880%
50) Toluene-d8	10.103	98	125776	47.761	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	95.520%
62) 4-Bromofluorobenzene	12.402	95	28708	33.897	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	67.800%
Target Compounds						
					Qvalue	
5) Bromomethane	2.605	94	1650	1.775	ug/l	83
11) Tert butyl alcohol	4.824	59	87	1.749	ug/l #	71
16) Acetone	3.860	43	1290	8.201	ug/l #	84
20) Methylene Chloride	4.604	84	1261	Below Cal		96
31) Cyclohexane	7.701	56	1843	1.363	ug/l #	3
36) 1,1-Dichloropropene	7.707	75	5907	5.896	ug/l #	48
38) Carbon Tetrachloride	7.707	117	7137	6.559	ug/l #	19
76) 1,2,3-Trichloropropane	12.402	75	14813	60.571	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	14813	146.622	ug/l #	14

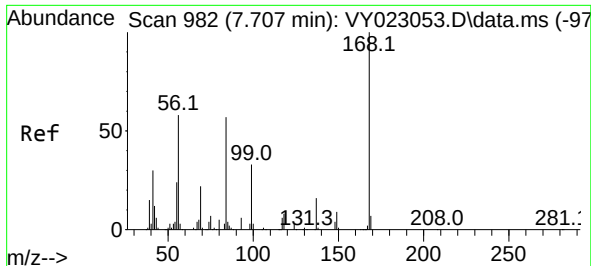
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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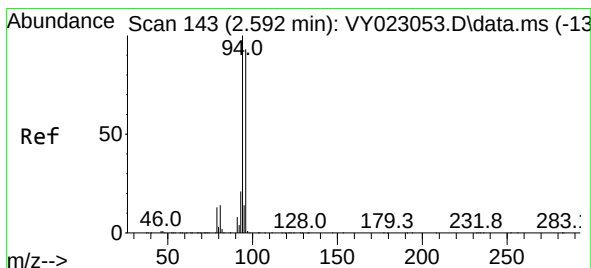
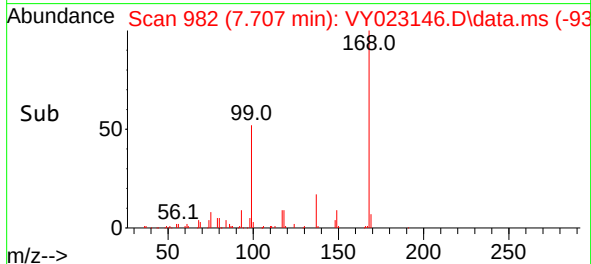
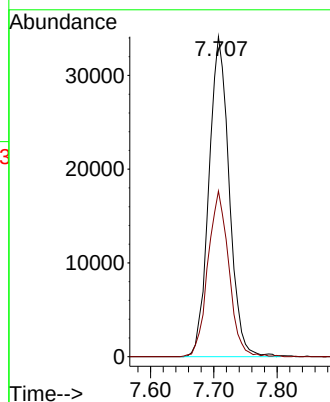
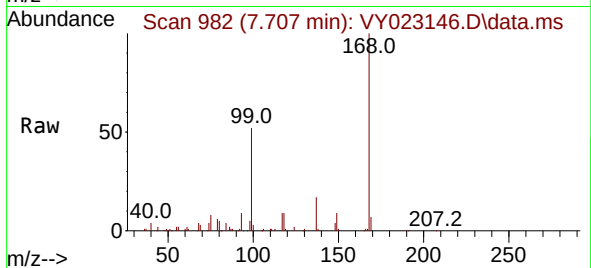




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023146.D
Acq: 19 Aug 2025 13:18

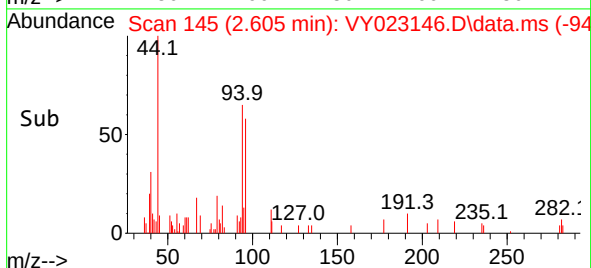
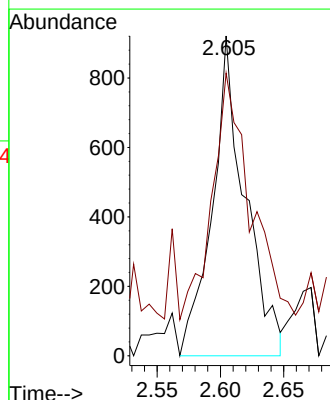
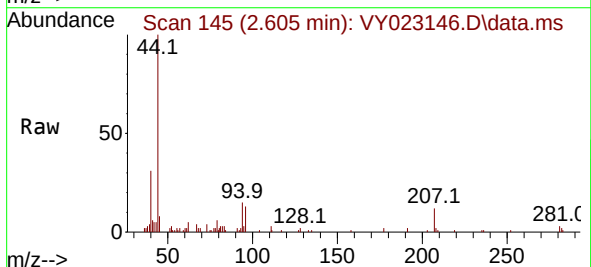
Instrument :
MSVOA_Y
ClientSampleId :
DRILL CUTTING 4-6 COMPRE

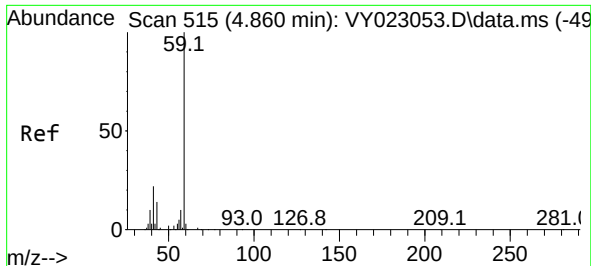
Tgt Ion:168 Resp: 76180
Ion Ratio Lower Upper
168 100
99 51.8 42.8 64.2



#5
Bromomethane
Concen: 1.775 ug/l
RT: 2.605 min Scan# 145
Delta R.T. 0.012 min
Lab File: VY023146.D
Acq: 19 Aug 2025 13:18

Tgt Ion: 94 Resp: 1650
Ion Ratio Lower Upper
94 100
96 77.1 74.6 112.0





#11

Tert butyl alcohol

Concen: 1.749 ug/l

RT: 4.824 min Scan# 509

Delta R.T. -0.036 min

Lab File: VY023146.D

Acq: 19 Aug 2025 13:18

Instrument :

MSVOA_Y

ClientSampleId :

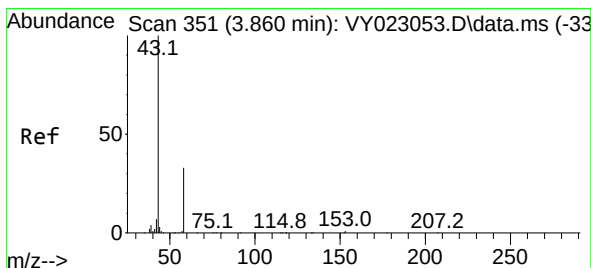
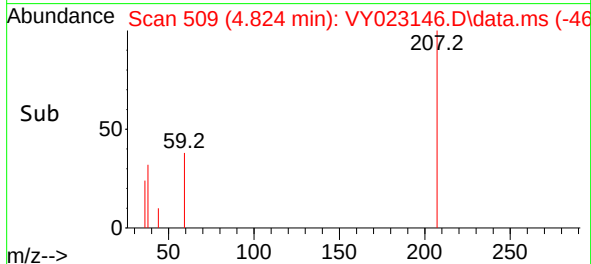
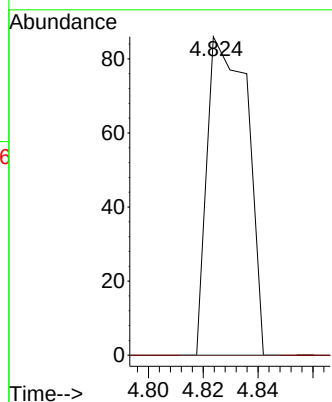
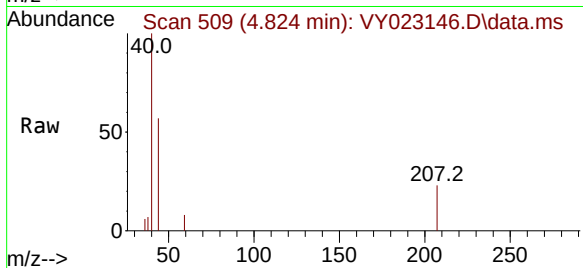
DRILL CUTTING 4-6 COMPRE

Tgt Ion: 59 Resp: 87

Ion Ratio Lower Upper

59 100

57 0.0 8.6 13.0#



#16

Acetone

Concen: 8.201 ug/l

RT: 3.860 min Scan# 351

Delta R.T. 0.000 min

Lab File: VY023146.D

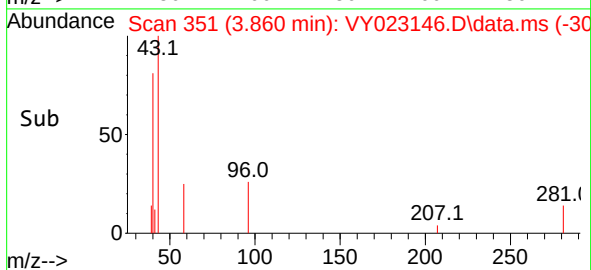
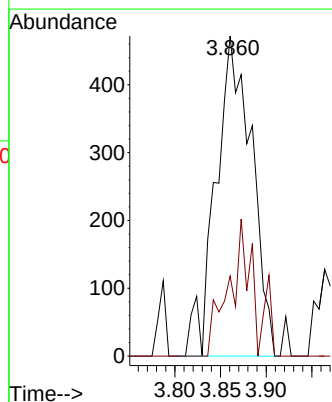
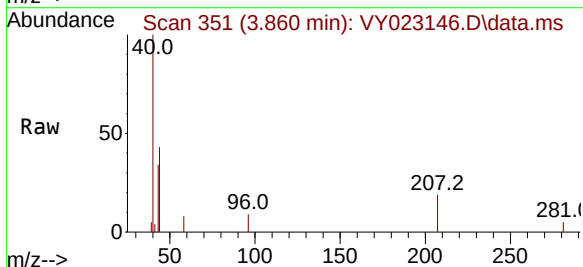
Acq: 19 Aug 2025 13:18

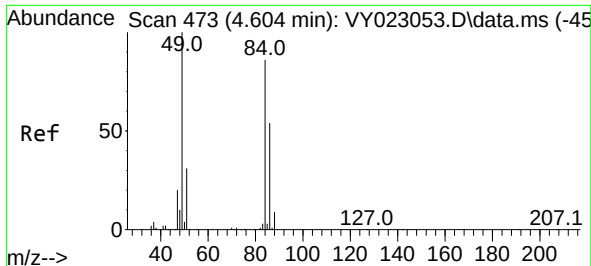
Tgt Ion: 43 Resp: 1290

Ion Ratio Lower Upper

43 100

58 25.0 27.1 40.7#

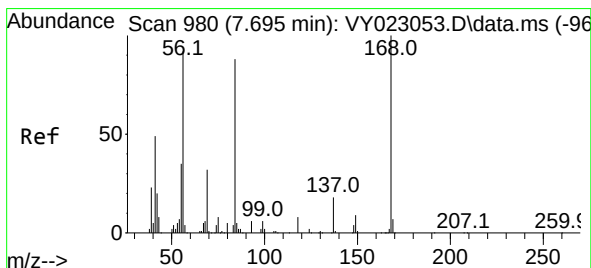
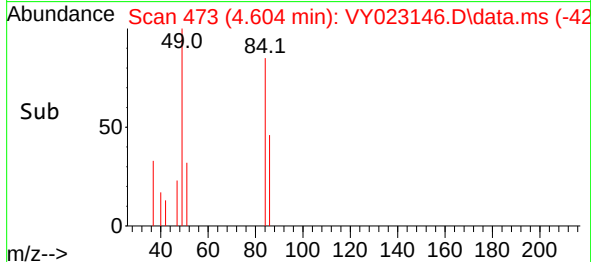
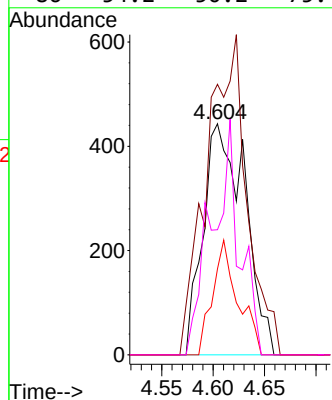
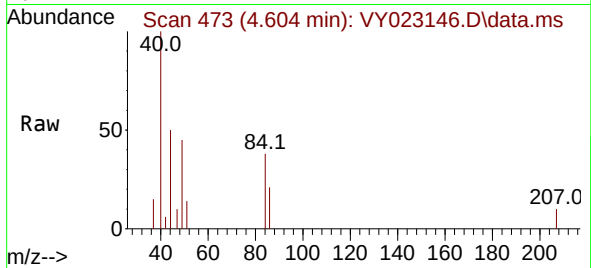




#20
Methylene Chloride
Concen: Below Cal
RT: 4.604 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY023146.D
Acq: 19 Aug 2025 13:18

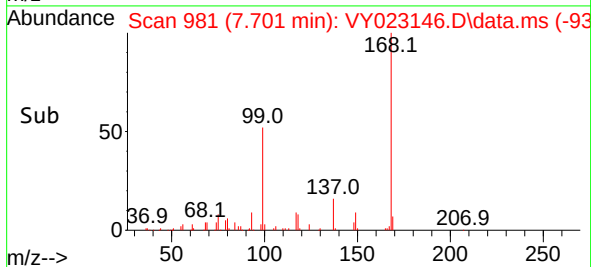
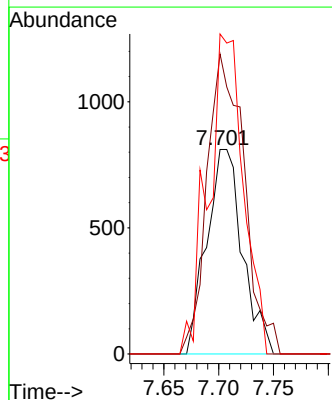
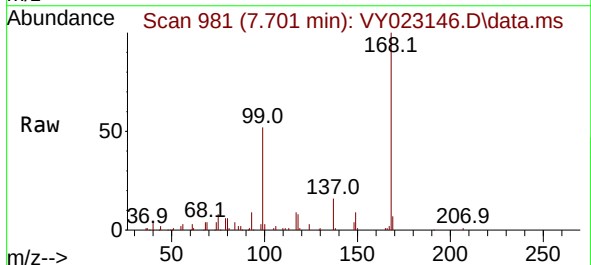
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DRILL CUTTING 4-6 COMPRE

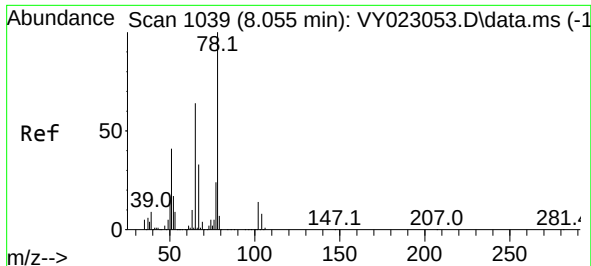
Tgt Ion:	84	Resp:	1261
Ion	Ratio	Lower	Upper
84	100		
49	117.2	93.0	139.6
51	37.2	29.0	43.4
86	54.2	50.2	75.4



#31
Cyclohexane
Concen: 1.363 ug/l
RT: 7.701 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY023146.D
Acq: 19 Aug 2025 13:18

Tgt Ion:	56	Resp:	1843
Ion	Ratio	Lower	Upper
56	100		
69	146.7	28.2	42.2#
84	156.5	76.6	114.8#





#33

1,2-Dichloroethane-d4

Concen: 45.001 ug/l

RT: 8.061 min Scan# 110

Delta R.T. 0.006 min

Lab File: VY023146.D

Acq: 19 Aug 2025 13:18

Instrument :

MSVOA_Y

ClientSampleId :

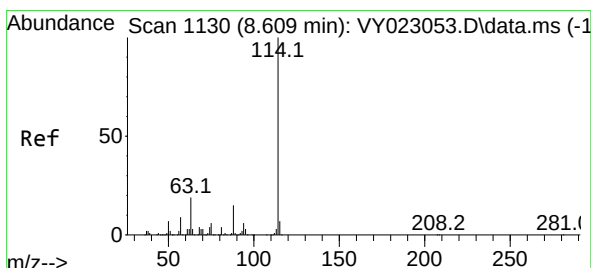
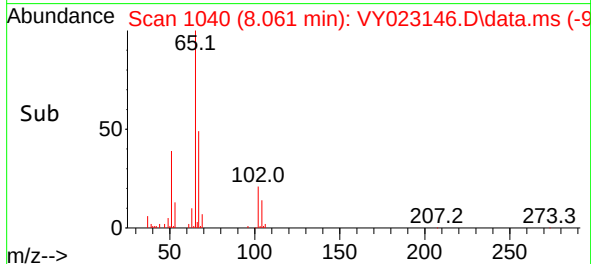
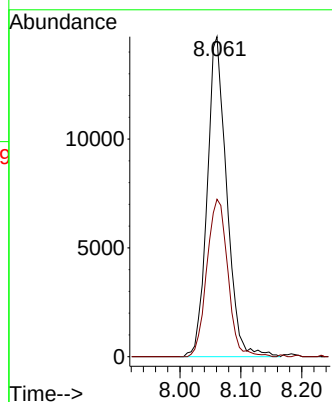
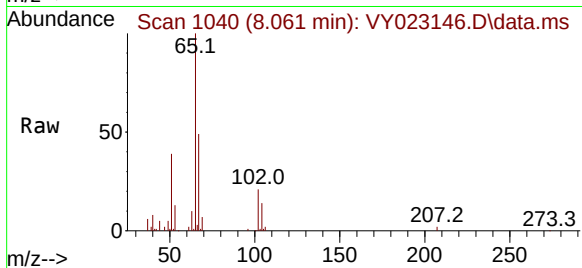
DRILL CUTTING 4-6 COMPRE

Tgt Ion: 65 Resp: 32673

Ion Ratio Lower Upper

65 100

67 52.9 0.0 106.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VY023146.D

Acq: 19 Aug 2025 13:18

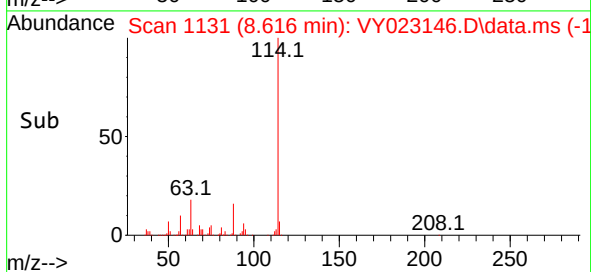
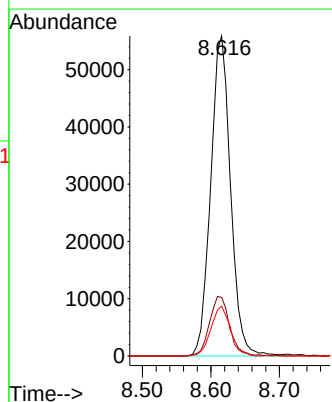
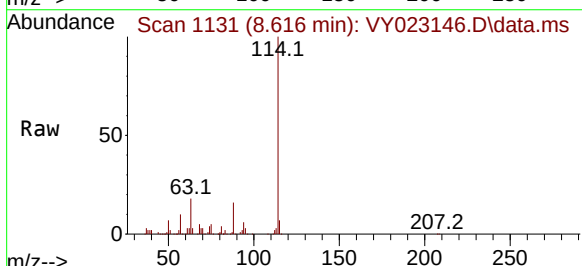
Tgt Ion: 114 Resp: 112658

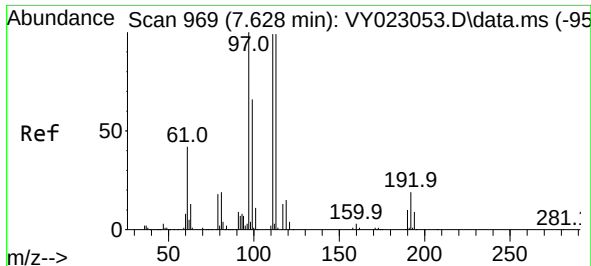
Ion Ratio Lower Upper

114 100

63 18.3 0.0 38.4

88 15.6 0.0 30.0

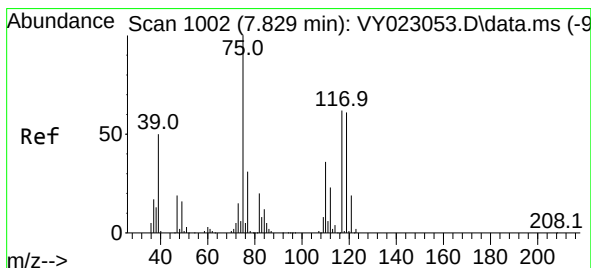
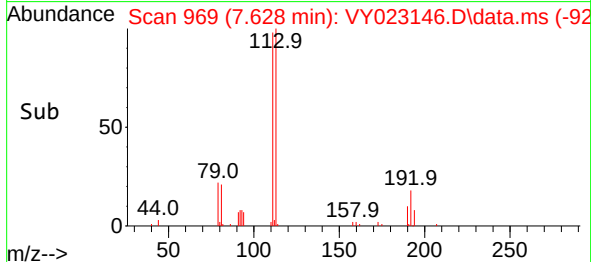
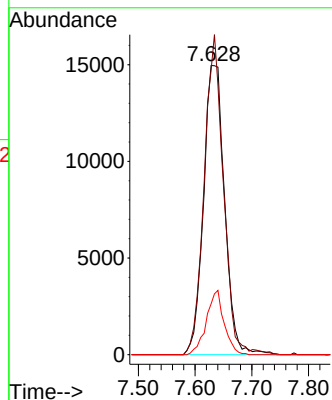
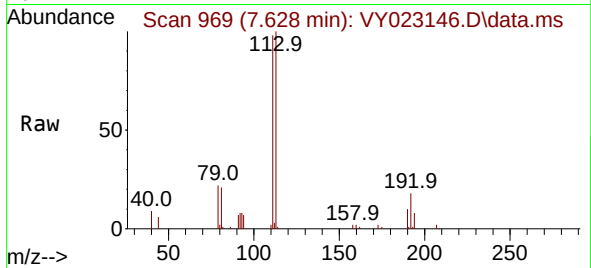




#35
Dibromofluoromethane
Concen: 57.445 ug/l
RT: 7.628 min Scan# 969
Delta R.T. 0.000 min
Lab File: VY023146.D
Acq: 19 Aug 2025 13:18

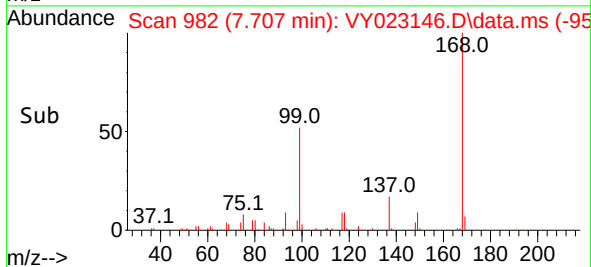
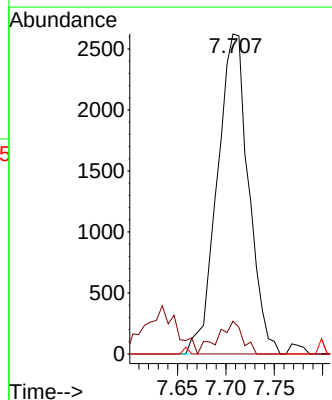
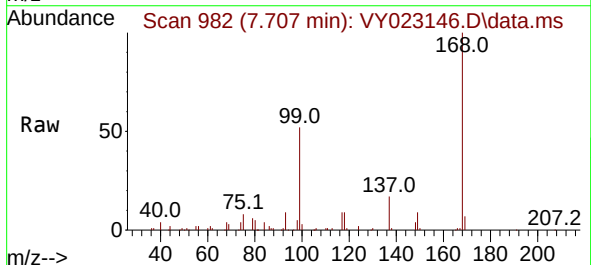
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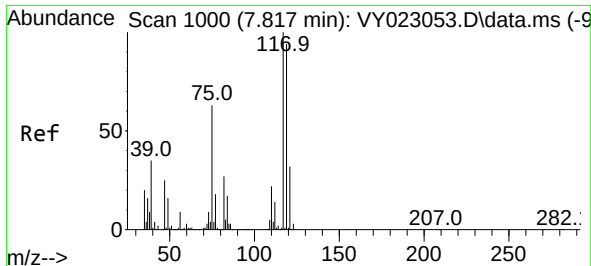
Tgt Ion:113 Resp: 38724
Ion Ratio Lower Upper
113 100
111 101.2 81.1 121.7
192 18.6 16.2 24.4



#36
1,1-Dichloropropene
Concen: 5.896 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.122 min
Lab File: VY023146.D
Acq: 19 Aug 2025 13:18

Tgt Ion: 75 Resp: 5907
Ion Ratio Lower Upper
75 100
110 8.1 18.1 54.4#
77 0.0 24.6 37.0#

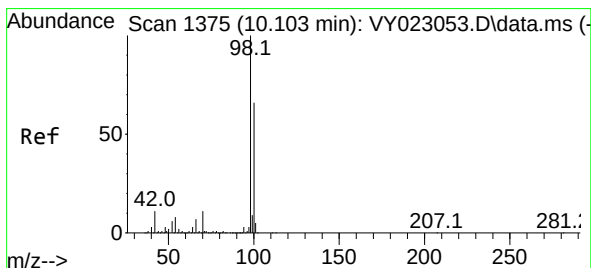
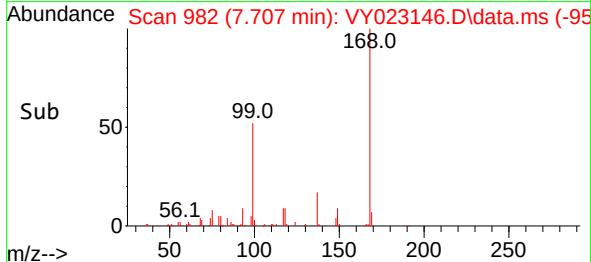
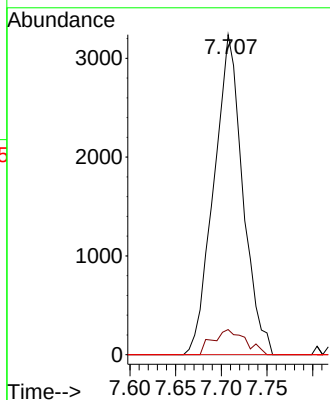
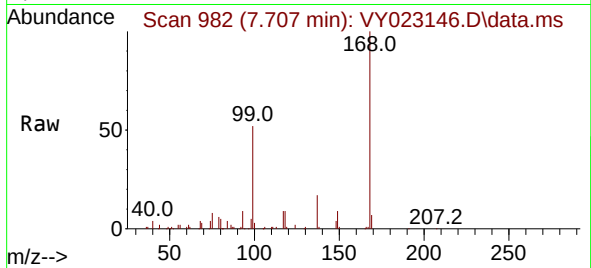




#38
Carbon Tetrachloride
Concen: 6.559 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY023146.D
Acq: 19 Aug 2025 13:18

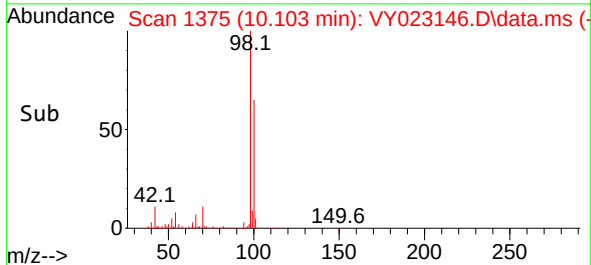
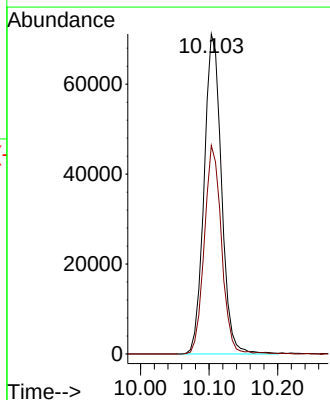
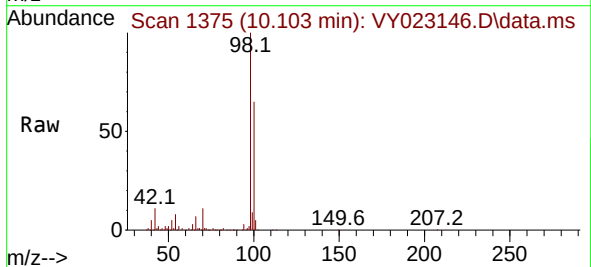
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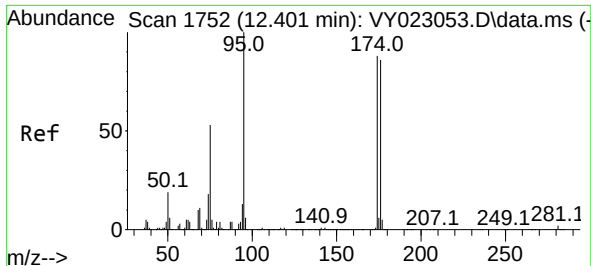
Tgt Ion:117 Resp: 7137
Ion Ratio Lower Upper
117 100
119 7.8 75.6 113.4#
121 0.0 25.8 38.8#



#50
Toluene-d8
Concen: 47.761 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY023146.D
Acq: 19 Aug 2025 13:18

Tgt Ion: 98 Resp: 125776
Ion Ratio Lower Upper
98 100
100 64.5 52.3 78.5

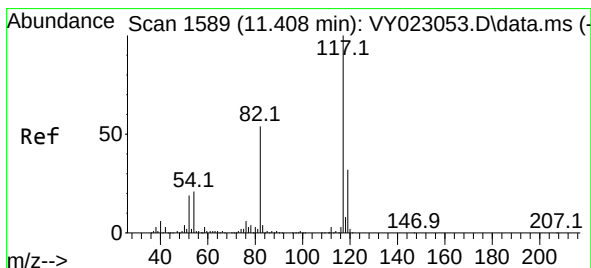
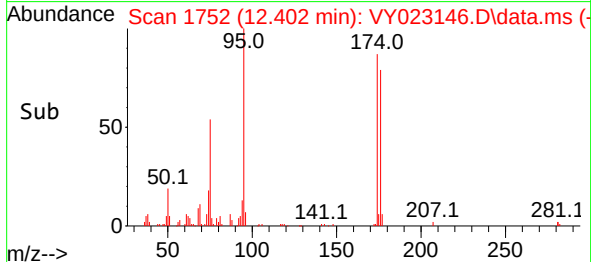
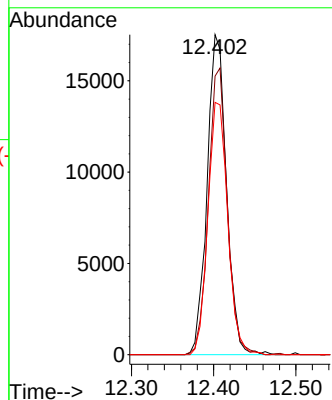
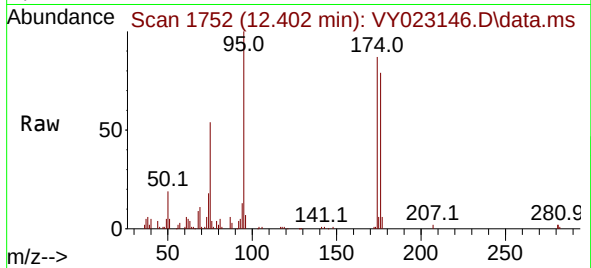




#62
4-Bromofluorobenzene
Concen: 33.897 ug/l
RT: 12.402 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023146.D
Acq: 19 Aug 2025 13:18

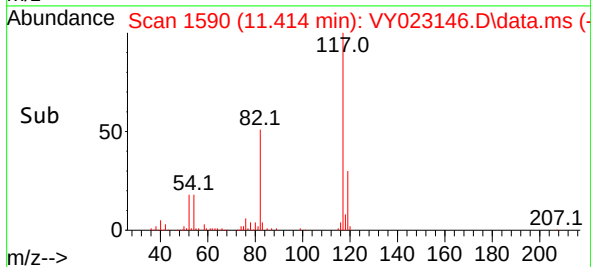
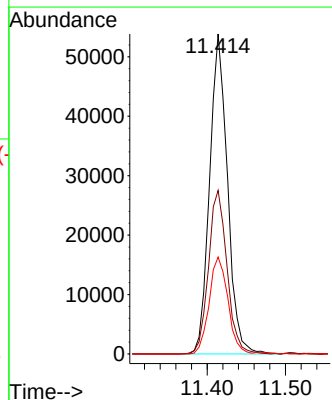
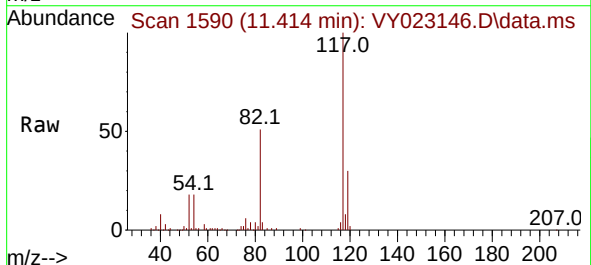
Instrument :
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DRILL CUTTING 4-6 COMPRE

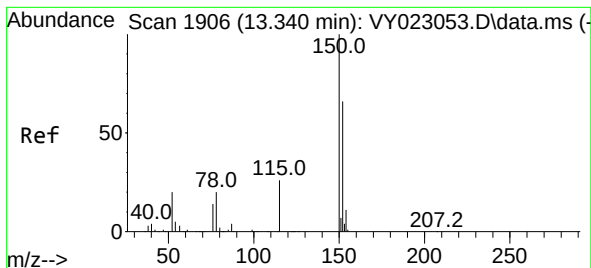
Tgt Ion: 95 Resp: 28708
Ion Ratio Lower Upper
95 100
174 87.6 0.0 171.6
176 80.9 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.006 min
Lab File: VY023146.D
Acq: 19 Aug 2025 13:18

Tgt Ion: 117 Resp: 85278
Ion Ratio Lower Upper
117 100
82 51.1 43.4 65.0
119 30.3 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.340 min Scan# 1906

Delta R.T. 0.000 min

Lab File: VY023146.D

Acq: 19 Aug 2025 13:18

Instrument :

MSVOA_Y

ClientSampleId :

DRILL CUTTING 4-6 COMPRE

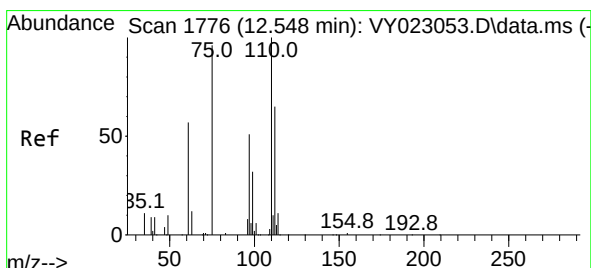
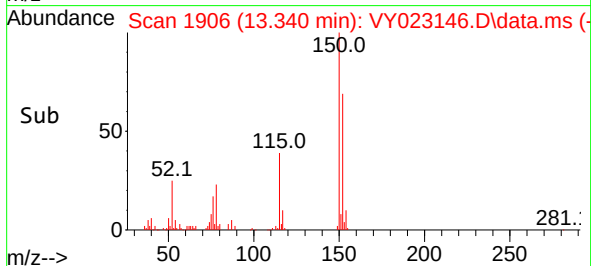
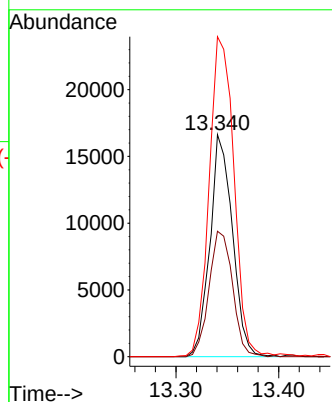
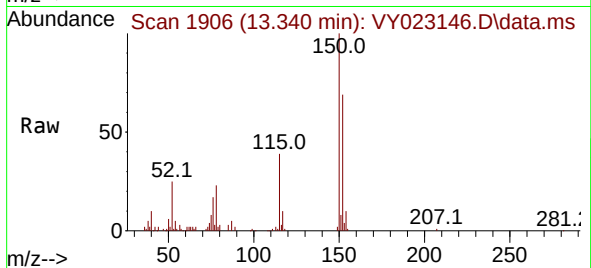
Tgt Ion:152 Resp: 25340

Ion Ratio Lower Upper

152 100

115 58.9 28.2 84.6

150 158.6 0.0 348.0



#76

1,2,3-Trichloropropane

Concen: 60.571 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.146 min

Lab File: VY023146.D

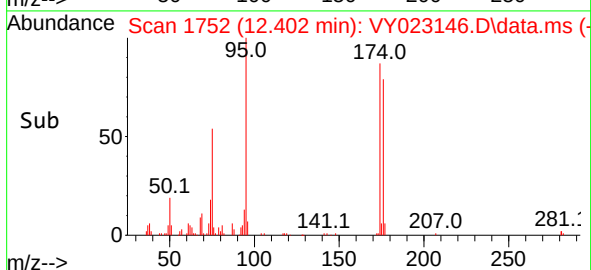
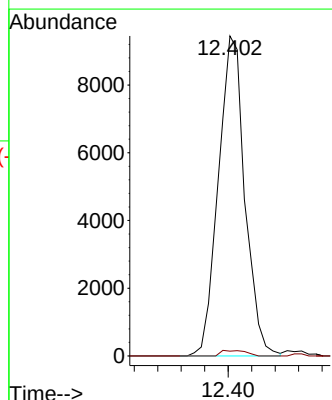
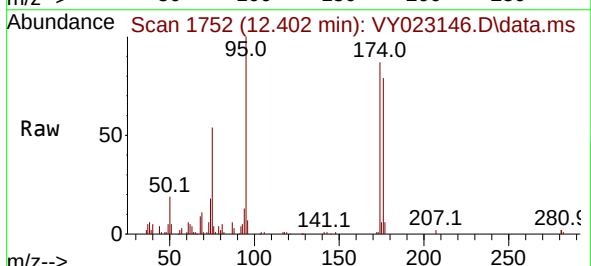
Acq: 19 Aug 2025 13:18

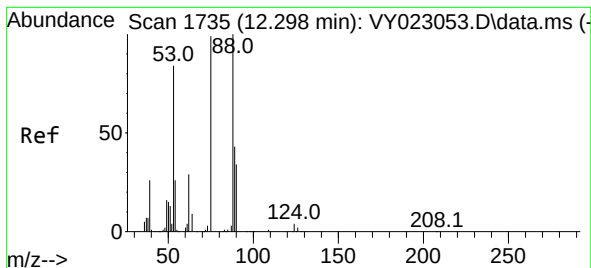
Tgt Ion: 75 Resp: 14813

Ion Ratio Lower Upper

75 100

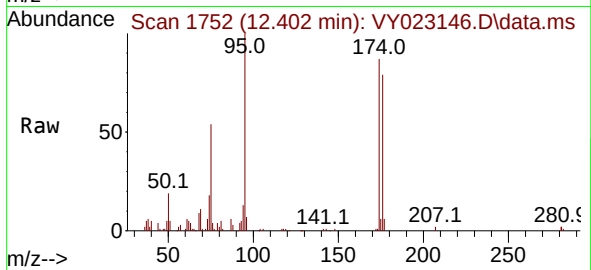
77 1.6 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 146.622 ug/l
 RT: 12.402 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY023146.D
 Acq: 19 Aug 2025 13:18

Instrument :
 MSVOA_Y
 ClientSampleId :
 DRILL CUTTING 4-6 COMPRE



Tgt Ion: 75 Resp: 14813
 Ion Ratio Lower Upper
 75 100
 53 0.0 70.8 106.2#
 89 0.0 38.1 57.1#

