

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
 Data File : VY023846.D
 Acq On : 01 Dec 2025 16:20
 Operator : SY/MD
 Sample : Q3742-04
 Misc : 2.52g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-1125-9

Quant Time: Dec 02 03:19:34 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 27 01:14:36 2025
 Response via : Initial Calibration

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

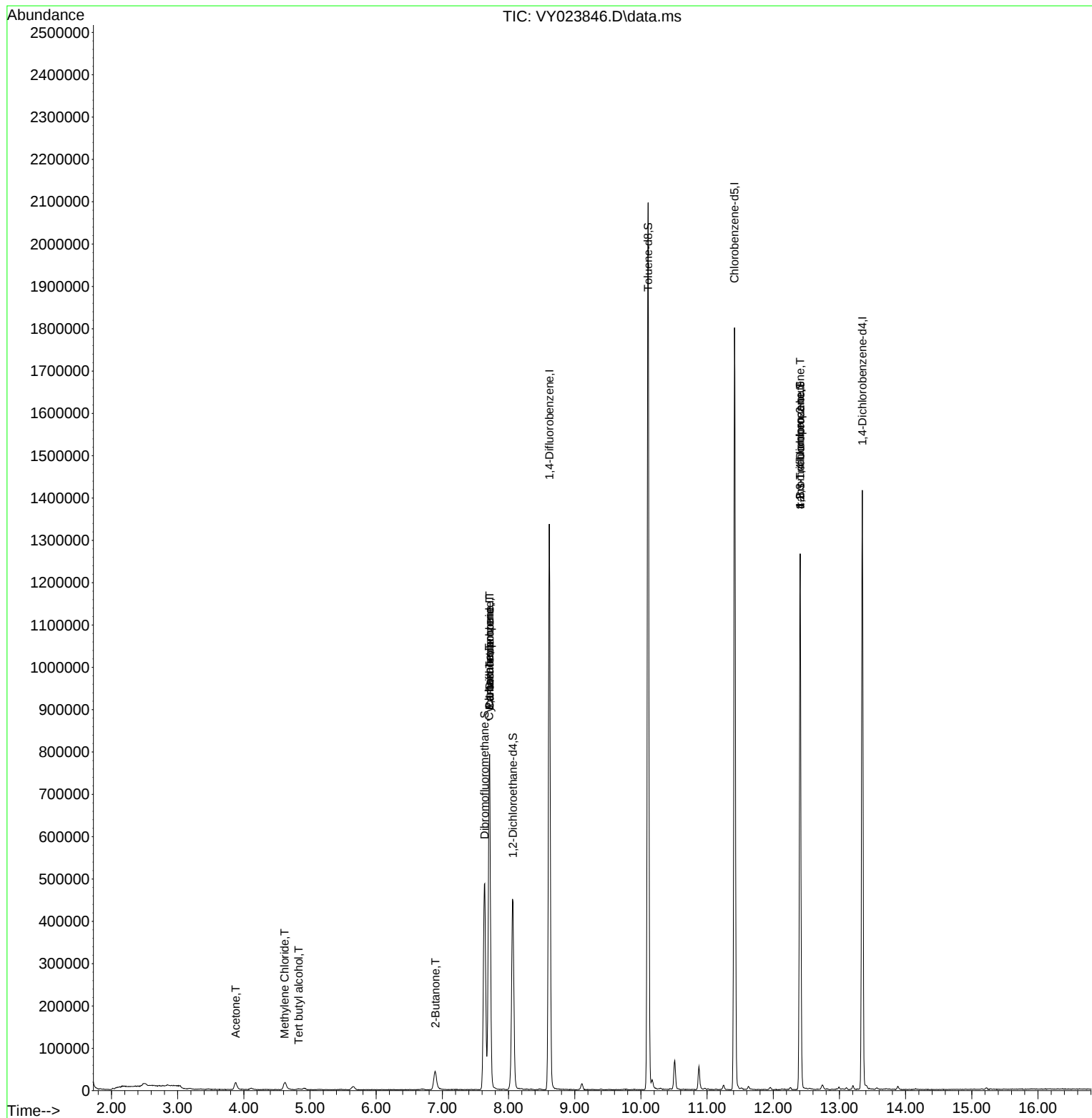
Internal Standards						
1) Pentafluorobenzene	7.713	168	620754	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1130173	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	961054	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	366679	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	349428	57.803	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 115.600%			
35) Dibromofluoromethane	7.640	113	357130	53.343	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.680%			
50) Toluene-d8	10.109	98	1342737	50.493	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.980%			
62) 4-Bromofluorobenzene	12.408	95	374886	42.845	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 85.680%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.830	59	1000	2.014	ug/l #	73
16) Acetone	3.879	43	30547	17.538	ug/l	94
20) Methylene Chloride	4.616	84	12271	1.666	ug/l	89
25) 2-Butanone	6.896	43	2338	1.100	ug/l #	88
31) Cyclohexane	7.707	56	15161	1.304	ug/l #	15
36) 1,1-Dichloropropene	7.713	75	49050	4.778	ug/l #	49
38) Carbon Tetrachloride	7.713	117	62979	5.589	ug/l #	16
76) 1,2,3-Trichloropropane	12.408	75	193022	60.533	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	193022	127.949	ug/l #	14

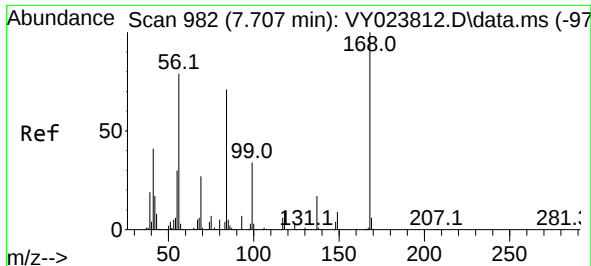
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Nov 27 01:14:36 2025
Response via : Initial Calibration

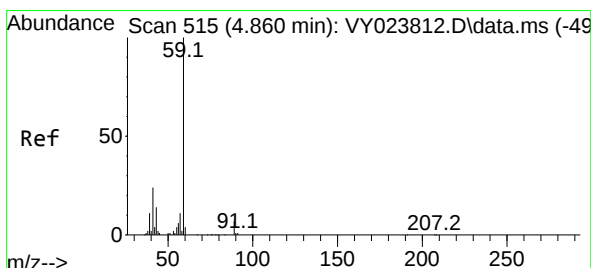
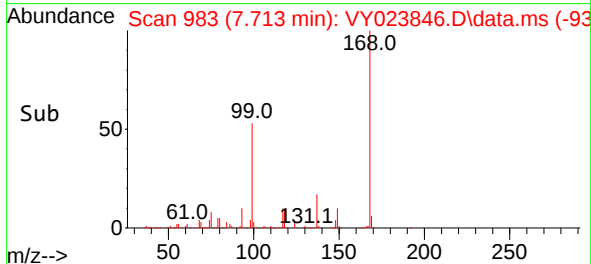
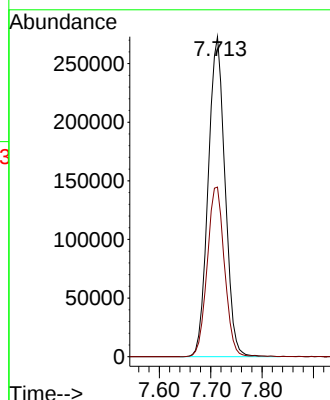
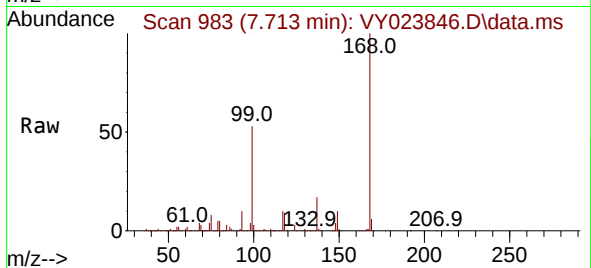




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023846.D
Acq: 01 Dec 2025 16:20

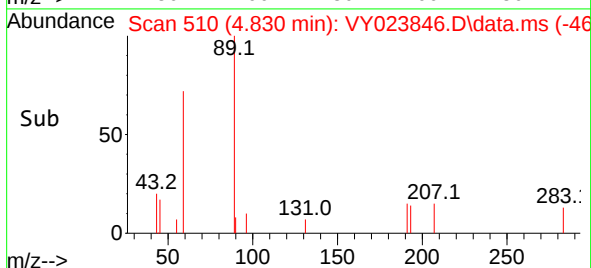
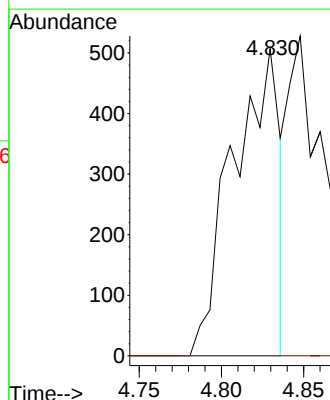
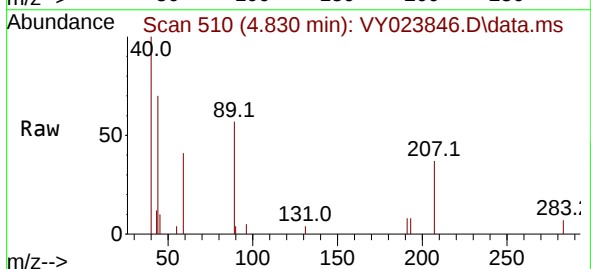
Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-9

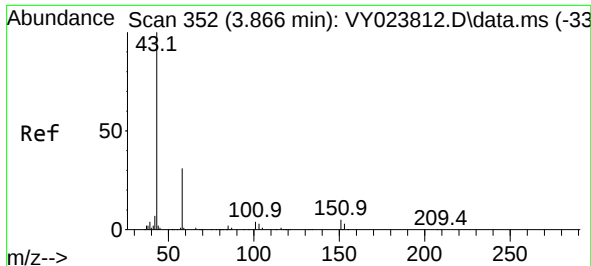
Tgt Ion:168 Resp: 620754
Ion Ratio Lower Upper
168 100
99 53.0 44.0 66.0



#11
Tert butyl alcohol
Concen: 2.014 ug/l
RT: 4.830 min Scan# 510
Delta R.T. -0.031 min
Lab File: VY023846.D
Acq: 01 Dec 2025 16:20

Tgt Ion: 59 Resp: 1000
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#





#16

Acetone

Concen: 17.538 ug/l

RT: 3.879 min Scan# 3

Delta R.T. 0.012 min

Lab File: VY023846.D

Acq: 01 Dec 2025 16:20

Instrument :

MSVOA_Y

ClientSampleId :

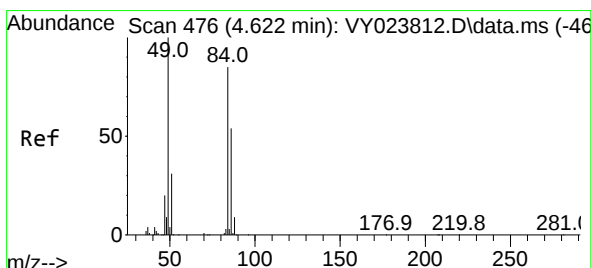
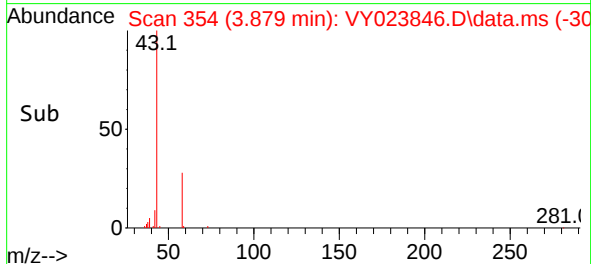
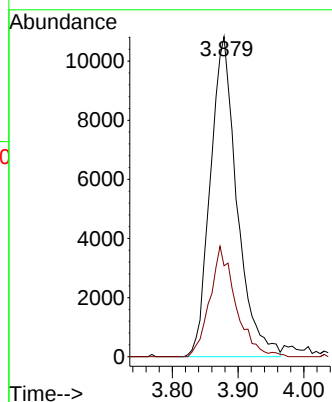
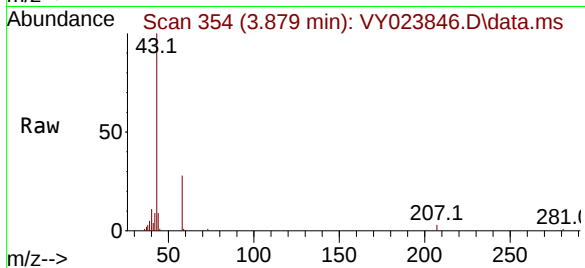
SB-1125-9

Tgt Ion: 43 Resp: 30547

Ion Ratio Lower Upper

43 100

58 28.4 25.4 38.2



#20

Methylene Chloride

Concen: 1.666 ug/l

RT: 4.616 min Scan# 475

Delta R.T. -0.006 min

Lab File: VY023846.D

Acq: 01 Dec 2025 16:20

Tgt Ion: 84 Resp: 12271

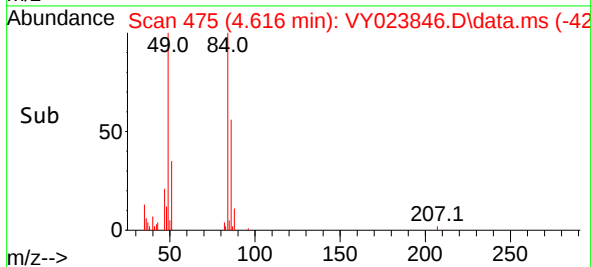
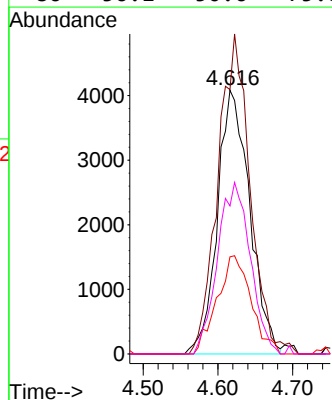
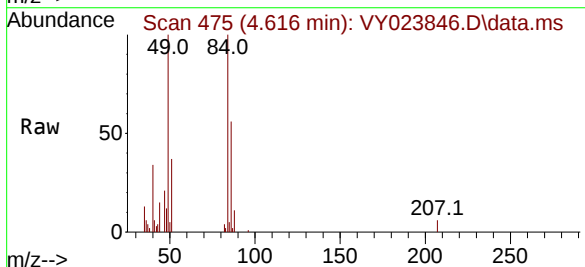
Ion Ratio Lower Upper

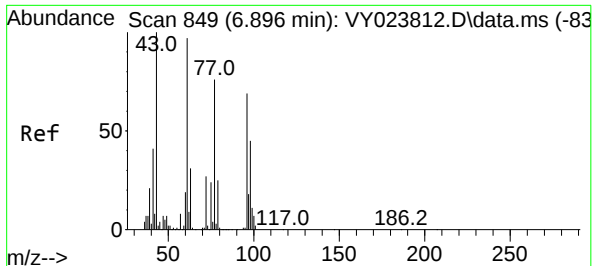
84 100

49 100.3 94.0 141.0

51 36.8 29.2 43.8

86 56.1 50.6 75.8





#25

2-Butanone

Concen: 1.100 ug/l

RT: 6.896 min Scan# 849

Delta R.T. -0.000 min

Lab File: VY023846.D

Acq: 01 Dec 2025 16:20

Instrument :

MSVOA_Y

ClientSampleId :

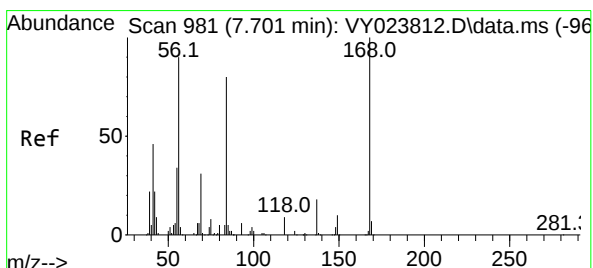
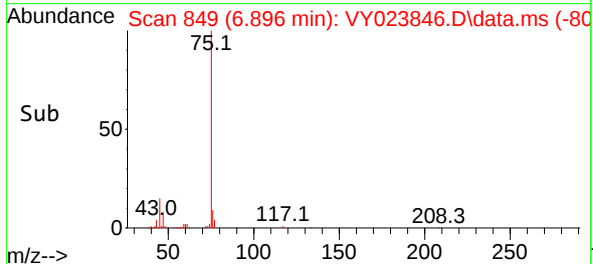
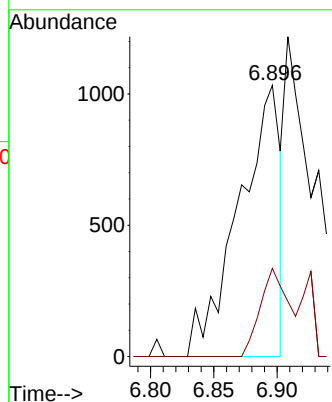
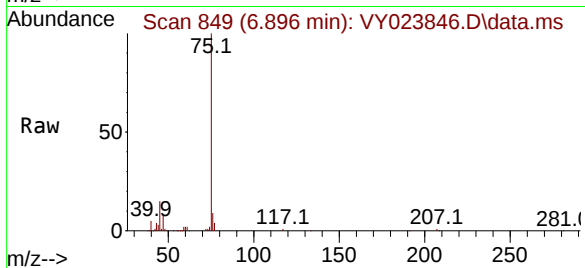
SB-1125-9

Tgt Ion: 43 Resp: 2338

Ion Ratio Lower Upper

43 100

72 32.5 21.3 31.9#



#31

Cyclohexane

Concen: 1.304 ug/l

RT: 7.707 min Scan# 982

Delta R.T. 0.006 min

Lab File: VY023846.D

Acq: 01 Dec 2025 16:20

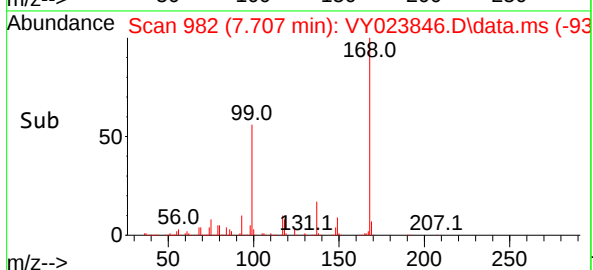
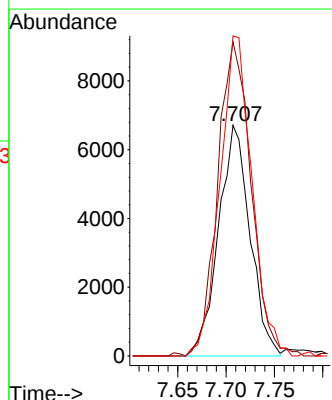
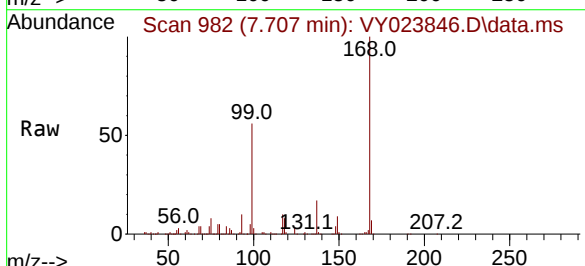
Tgt Ion: 56 Resp: 15161

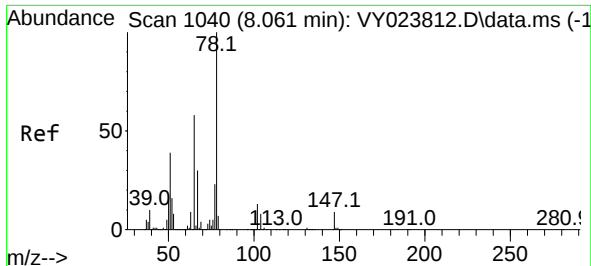
Ion Ratio Lower Upper

56 100

69 135.4 27.8 41.6#

84 137.7 71.8 107.8#





#33

1,2-Dichloroethane-d4

Concen: 57.803 ug/l

RT: 8.067 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VY023846.D

Acq: 01 Dec 2025 16:20

Instrument :

MSVOA_Y

ClientSampleId :

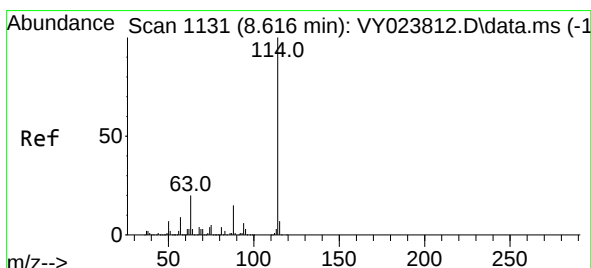
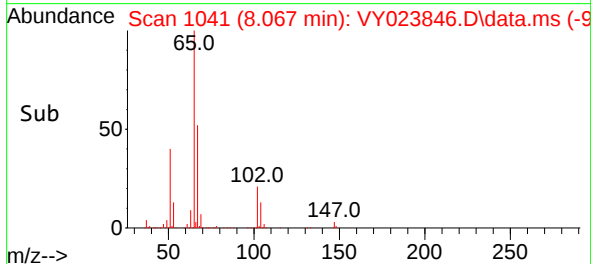
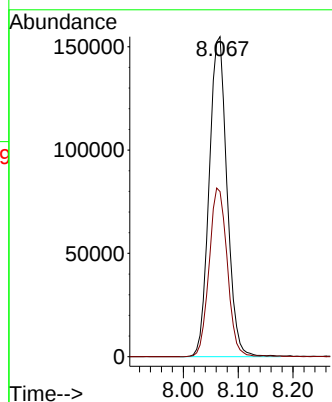
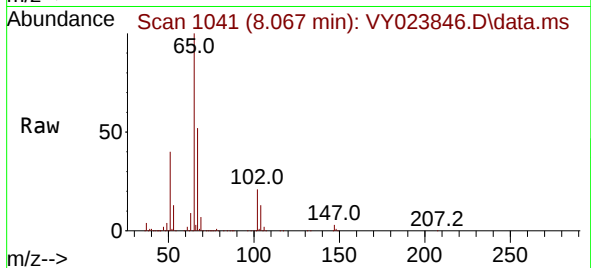
SB-1125-9

Tgt Ion: 65 Resp: 349428

Ion Ratio Lower Upper

65 100

67 53.6 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY023846.D

Acq: 01 Dec 2025 16:20

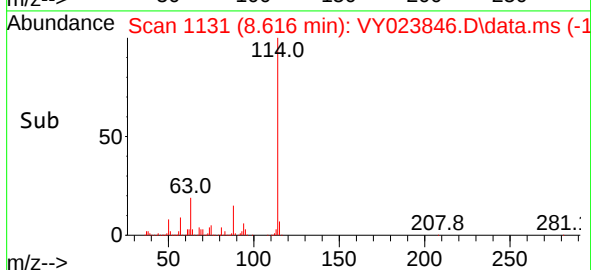
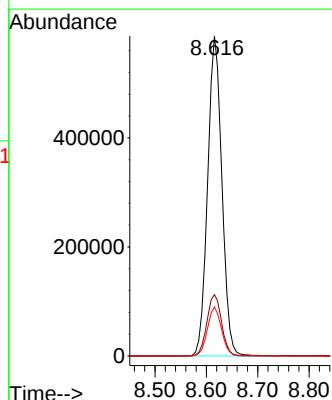
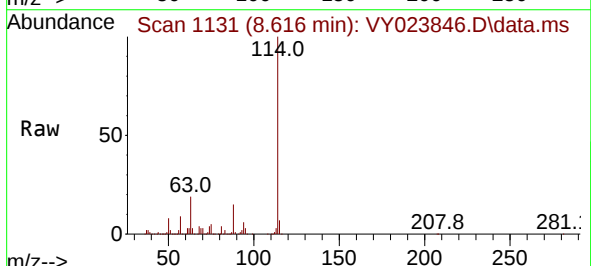
Tgt Ion:114 Resp: 1130173

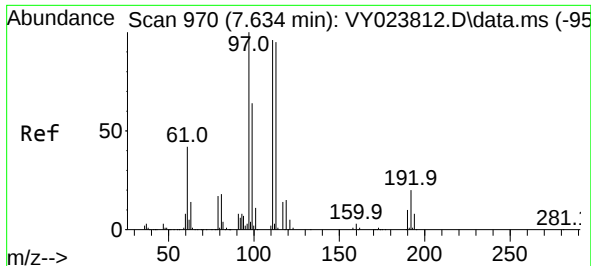
Ion Ratio Lower Upper

114 100

63 19.2 0.0 39.4

88 15.3 0.0 30.8

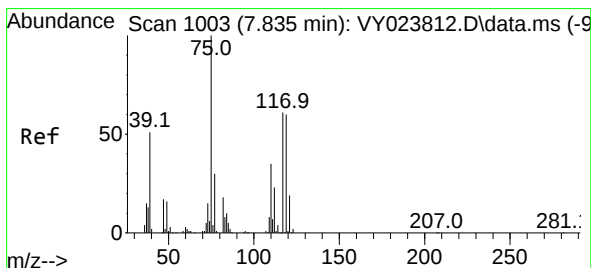
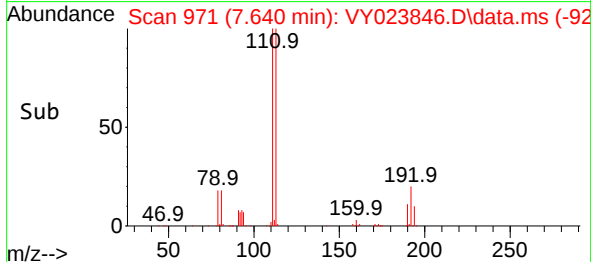
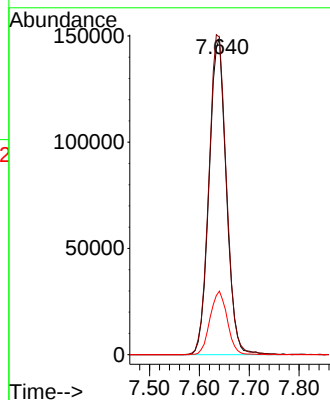
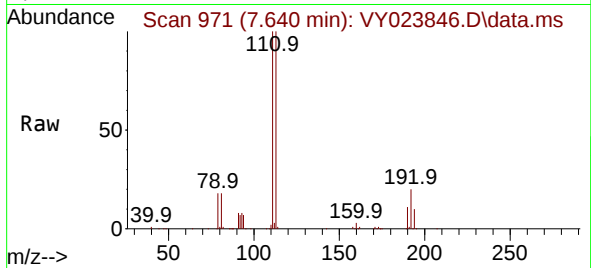




#35
Dibromofluoromethane
Concen: 53.343 ug/l
RT: 7.640 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023846.D
Acq: 01 Dec 2025 16:20

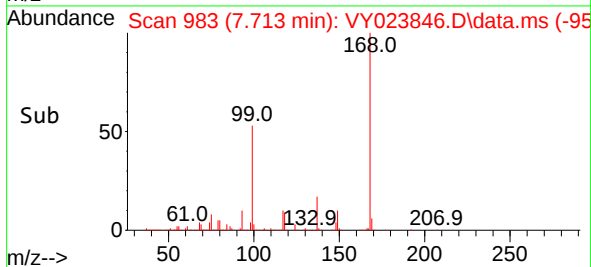
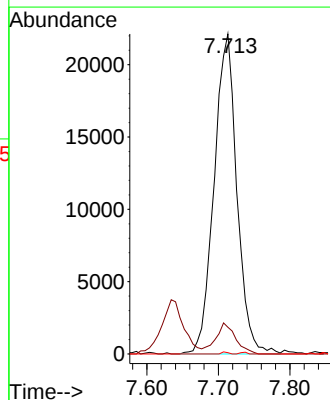
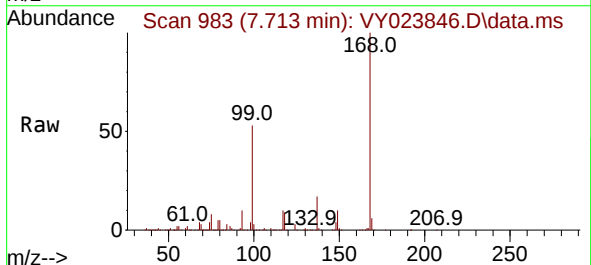
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MSVOA_Y
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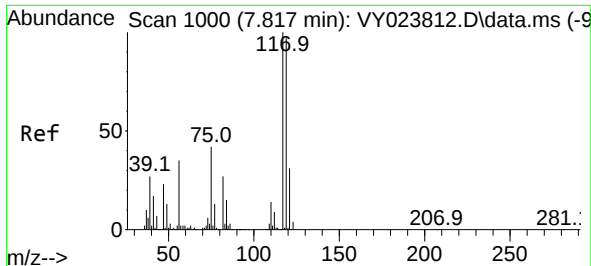
Tgt Ion:113 Resp: 357130
Ion Ratio Lower Upper
113 100
111 103.1 81.4 122.0
192 20.0 15.8 23.8



#36
1,1-Dichloropropene
Concen: 4.778 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.122 min
Lab File: VY023846.D
Acq: 01 Dec 2025 16:20

Tgt Ion: 75 Resp: 49050
Ion Ratio Lower Upper
75 100
110 8.4 17.6 52.8#
77 0.2 24.9 37.3#

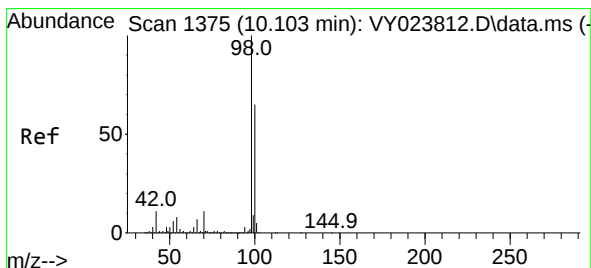
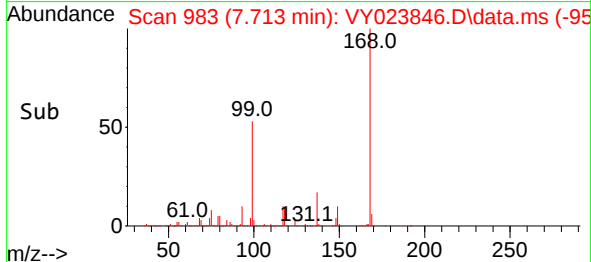
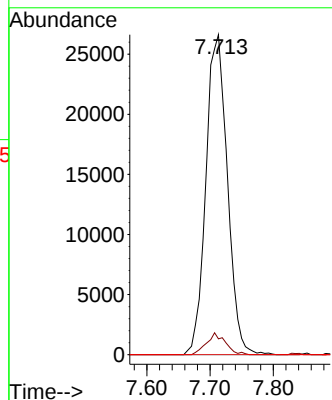
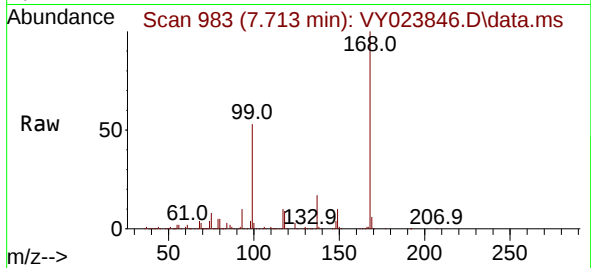




#38
Carbon Tetrachloride
Concen: 5.589 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY023846.D
Acq: 01 Dec 2025 16:20

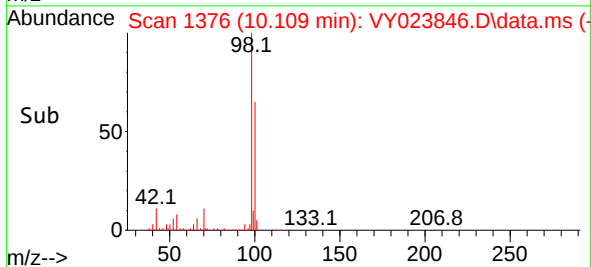
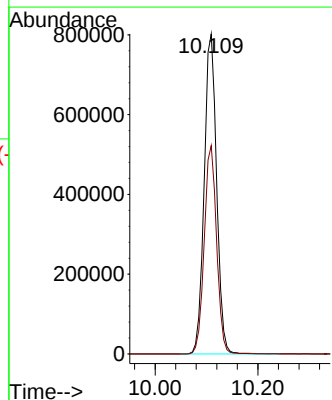
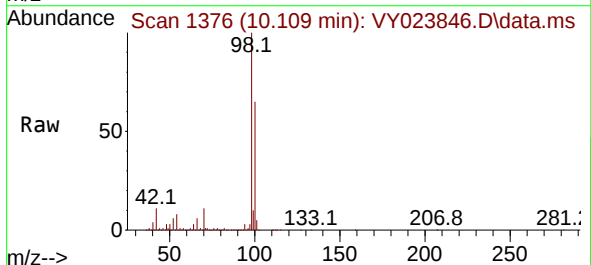
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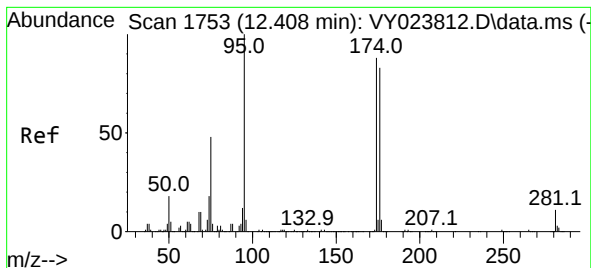
Tgt Ion:117 Resp: 62979
Ion Ratio Lower Upper
117 100
119 5.0 77.3 115.9#
121 0.0 25.0 37.6#



#50
Toluene-d8
Concen: 50.493 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023846.D
Acq: 01 Dec 2025 16:20

Tgt Ion: 98 Resp: 1342737
Ion Ratio Lower Upper
98 100
100 64.8 51.9 77.9

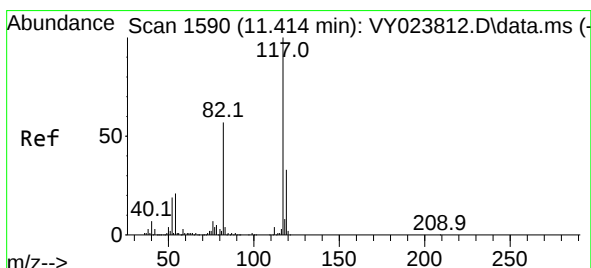
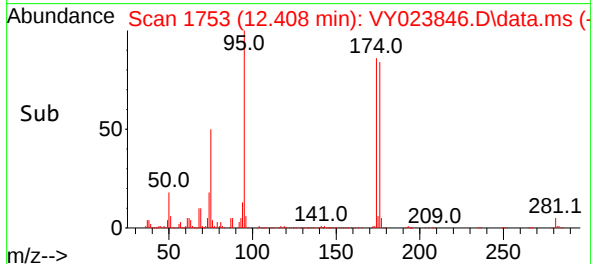
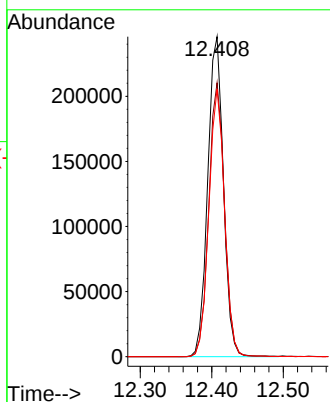
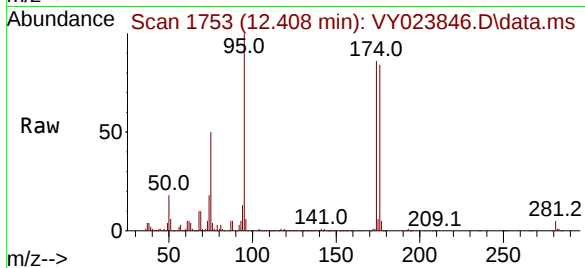




#62
4-Bromofluorobenzene
Concen: 42.845 ug/l
RT: 12.408 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY023846.D
Acq: 01 Dec 2025 16:20

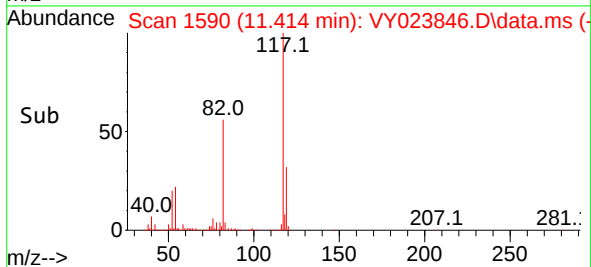
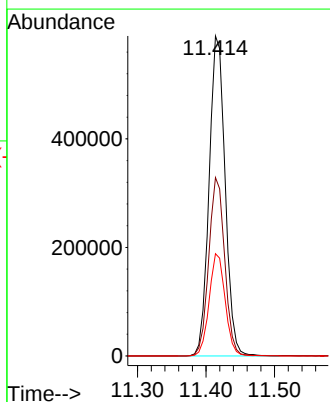
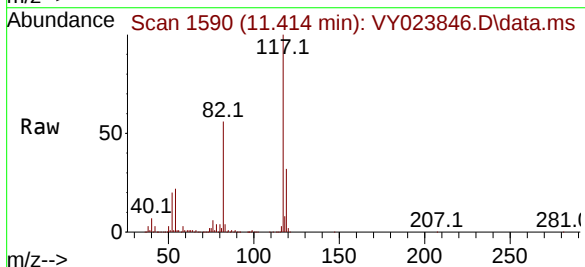
Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-9

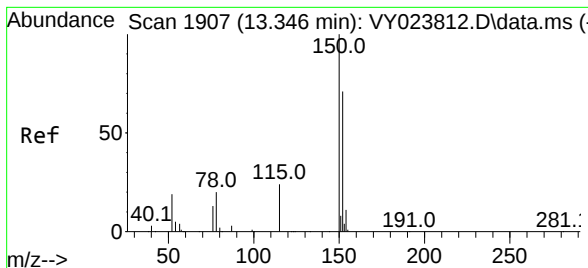
Tgt Ion: 95 Resp: 374886
Ion Ratio Lower Upper
95 100
174 85.9 0.0 168.6
176 83.5 0.0 164.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY023846.D
Acq: 01 Dec 2025 16:20

Tgt Ion: 117 Resp: 961054
Ion Ratio Lower Upper
117 100
82 55.7 45.4 68.0
119 32.0 26.0 39.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY023846.D

Acq: 01 Dec 2025 16:20

Instrument :

MSVOA_Y

ClientSampleId :

SB-1125-9

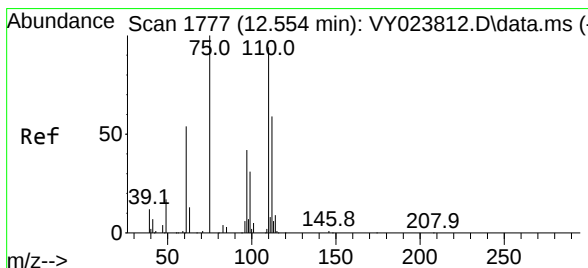
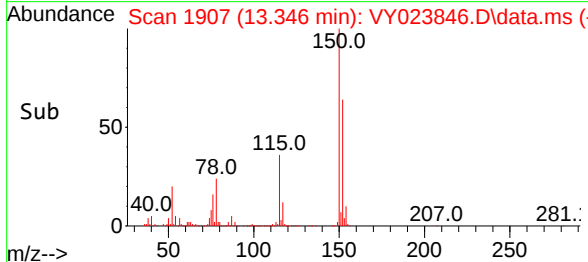
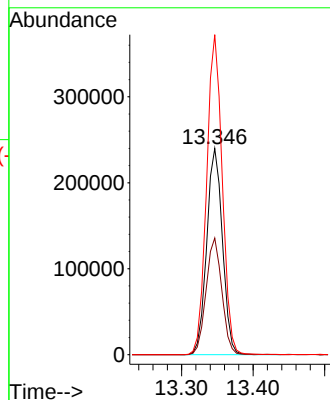
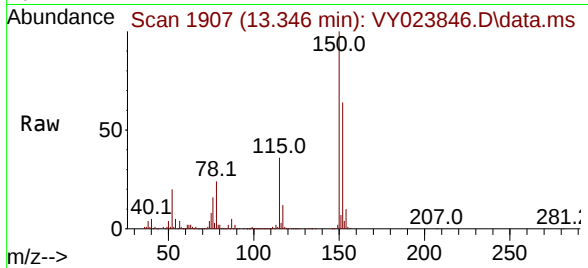
Tgt Ion:152 Resp: 366679

Ion Ratio Lower Upper

152 100

115 56.6 28.7 86.3

150 153.9 0.0 345.6



#76

1,2,3-Trichloropropane

Concen: 60.533 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY023846.D

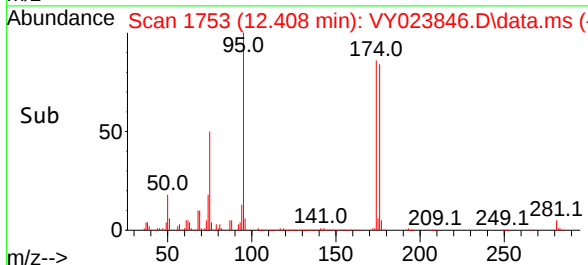
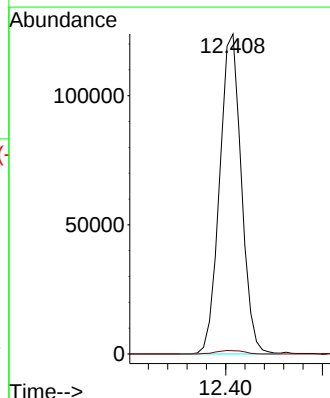
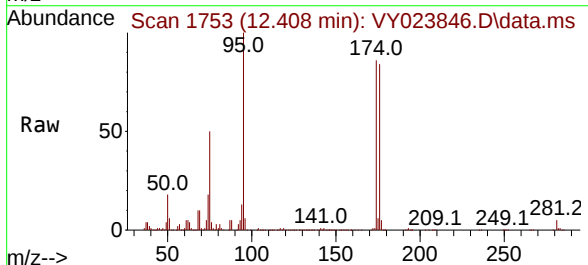
Acq: 01 Dec 2025 16:20

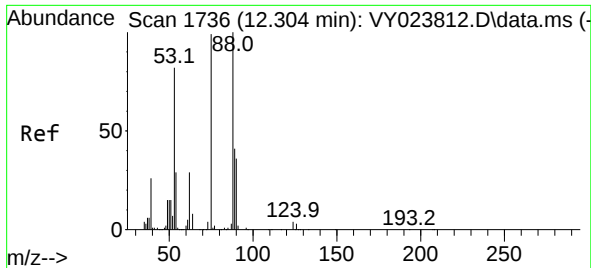
Tgt Ion: 75 Resp: 193022

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 127.949 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY023846.D
 Acq: 01 Dec 2025 16:20

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-1125-9

Tgt Ion: 75 Resp: 193022
 Ion Ratio Lower Upper
 75 100
 53 0.1 71.3 106.9#
 89 0.0 37.0 55.4#

