

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120125\
 Data File : VY023834.D
 Acq On : 01 Dec 2025 11:25
 Operator : SY/MD
 Sample : Q3719-13RE
 Misc : 4.89g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-1125-17A

Quant Time: Dec 02 03:15:02 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)

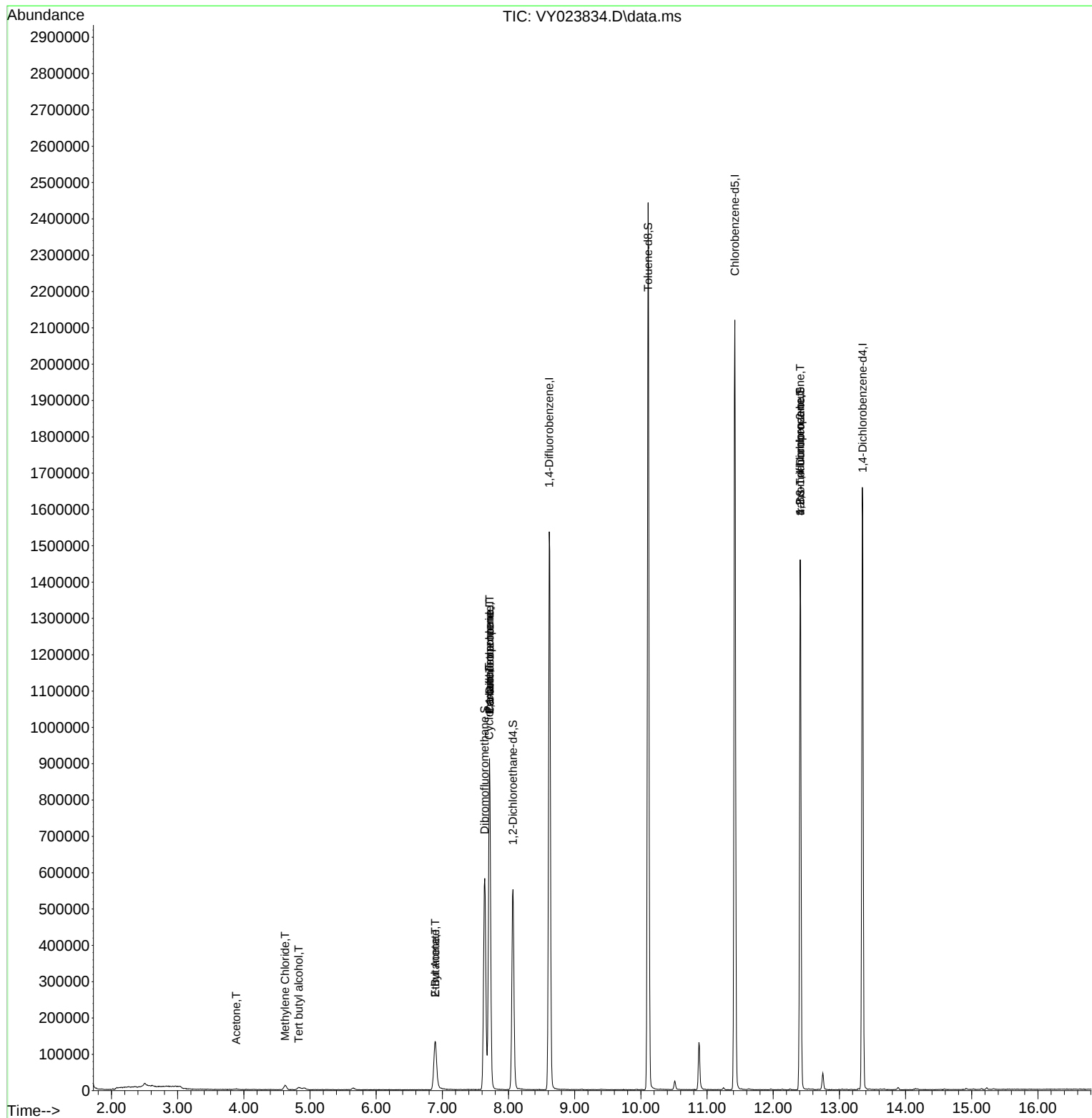
Internal Standards						
1) Pentafluorobenzene	7.713	168	710245	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1310532	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1122921	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	427893	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	441595	63.845	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 127.680%	
35) Dibromofluoromethane	7.640	113	426470	54.933	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.860%	
50) Toluene-d8	10.109	98	1552670	50.352	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.700%	
62) 4-Bromofluorobenzene	12.408	95	442861	43.648	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 87.300%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.830	59	3784	6.661	ug/l #	73
16) Acetone	3.885	43	3415	1.714	ug/l	90
20) Methylene Chloride	4.622	84	8436	1.001	ug/l	92
25) 2-Butanone	6.890	43	7540	3.100	ug/l #	64
31) Cyclohexane	7.707	56	14652	1.102	ug/l #	1
36) 1,1-Dichloropropene	7.713	75	54738	4.599	ug/l #	49
37) Ethyl Acetate	6.890	43	7540	1.347	ug/l #	1
38) Carbon Tetrachloride	7.713	117	70787	5.418	ug/l #	16
76) 1,2,3-Trichloropropane	12.408	75	228578	61.429	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	228578	129.842	ug/l #	14

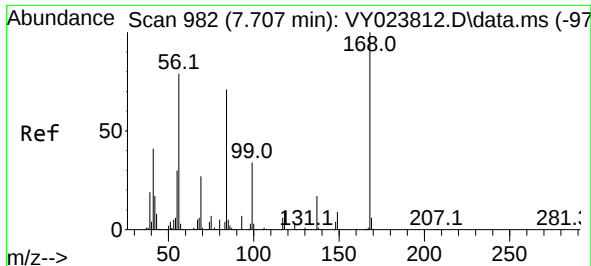
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 02 03:15:02 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

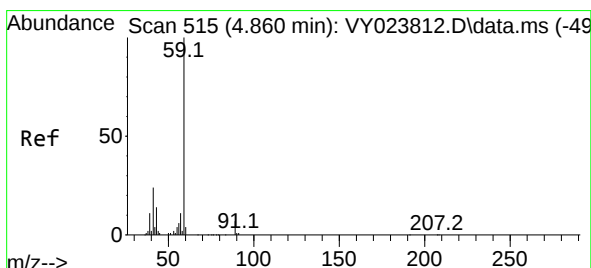
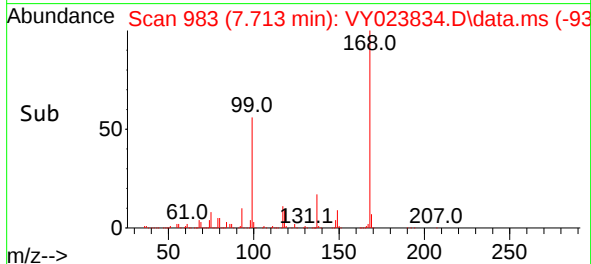
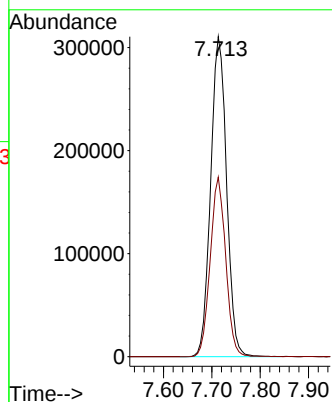
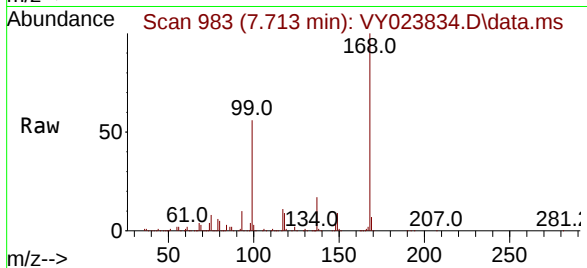




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023834.D
Acq: 01 Dec 2025 11:25

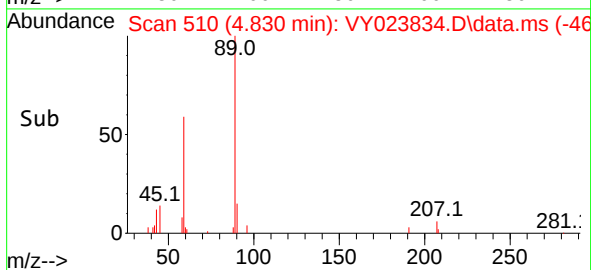
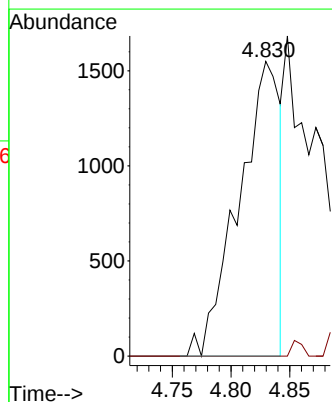
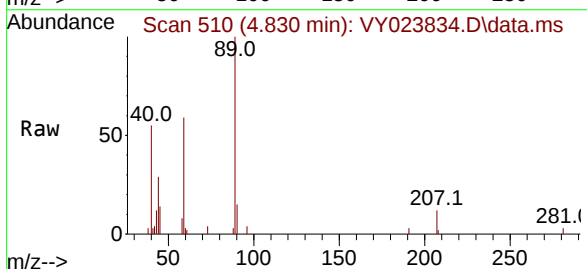
Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-17A

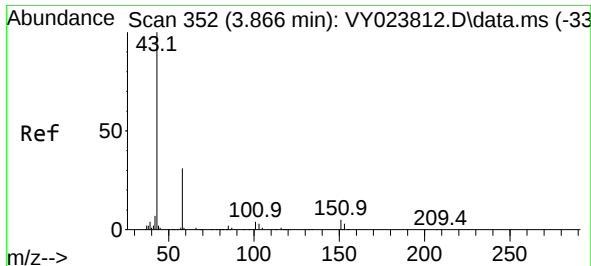
Tgt Ion:168 Resp: 710245
Ion Ratio Lower Upper
168 100
99 56.1 44.0 66.0



#11
Tert butyl alcohol
Concen: 6.661 ug/l
RT: 4.830 min Scan# 510
Delta R.T. -0.031 min
Lab File: VY023834.D
Acq: 01 Dec 2025 11:25

Tgt Ion: 59 Resp: 3784
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

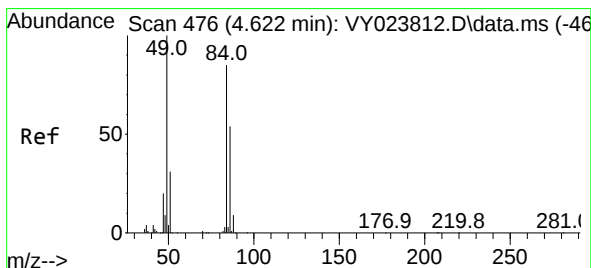
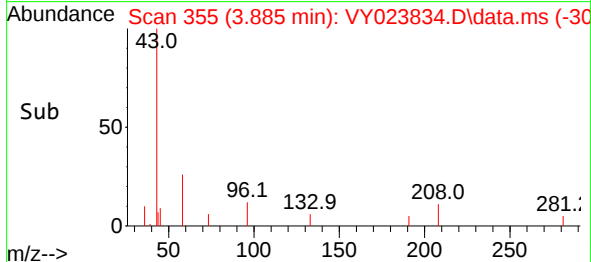
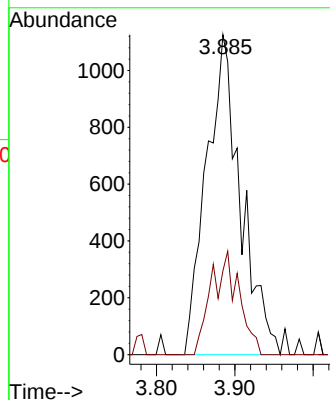
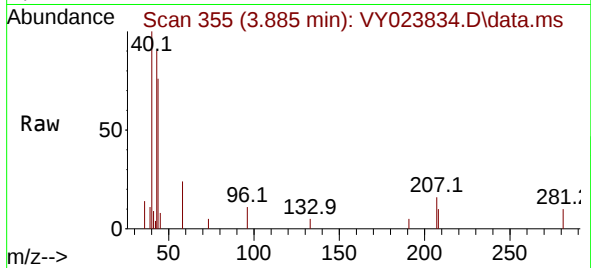




#16
Acetone
Concen: 1.714 ug/l
RT: 3.885 min Scan# 31
Delta R.T. 0.018 min
Lab File: VY023834.D
Acq: 01 Dec 2025 11:25

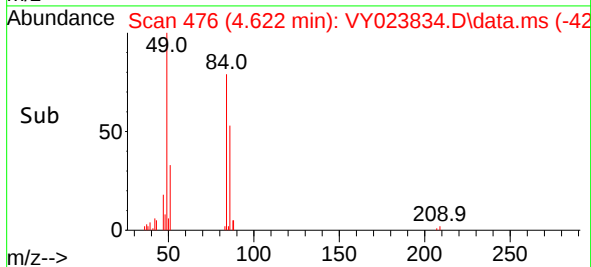
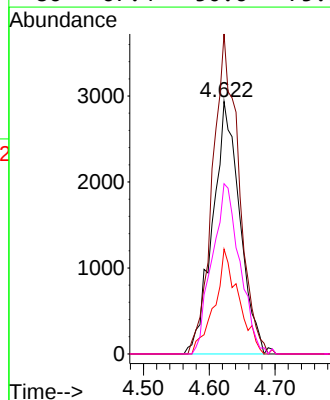
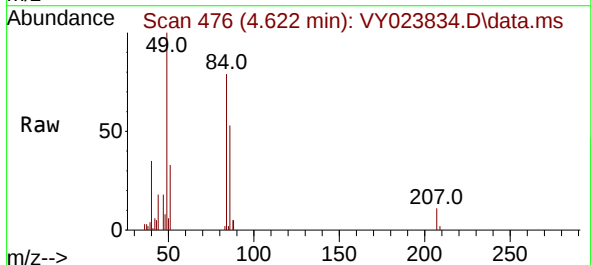
Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-17A

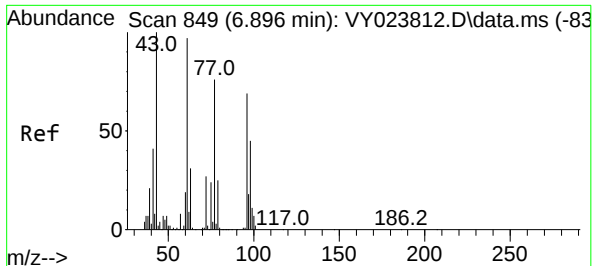
Tgt Ion: 43 Resp: 3415
Ion Ratio Lower Upper
43 100
58 26.2 25.4 38.2



#20
Methylene Chloride
Concen: 1.001 ug/l
RT: 4.622 min Scan# 476
Delta R.T. -0.000 min
Lab File: VY023834.D
Acq: 01 Dec 2025 11:25

Tgt Ion: 84 Resp: 8436
Ion Ratio Lower Upper
84 100
49 126.8 94.0 141.0
51 41.5 29.2 43.8
86 67.4 50.6 75.8





#25

2-Butanone

Concen: 3.100 ug/l

RT: 6.890 min Scan# 849

Delta R.T. -0.006 min

Lab File: VY023834.D

Acq: 01 Dec 2025 11:25

Instrument :

MSVOA_Y

ClientSampleId :

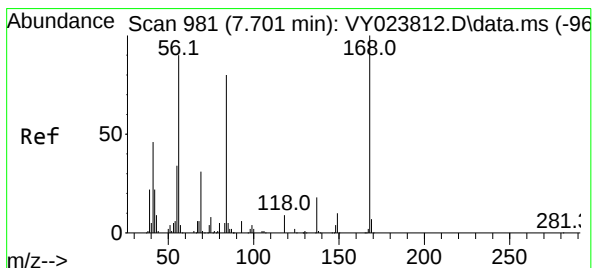
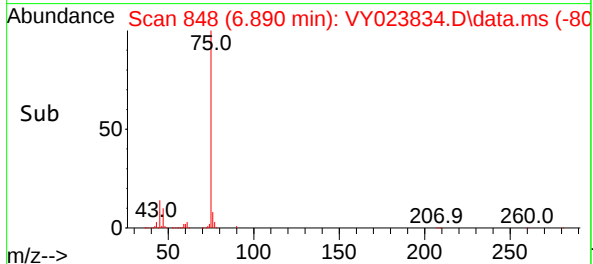
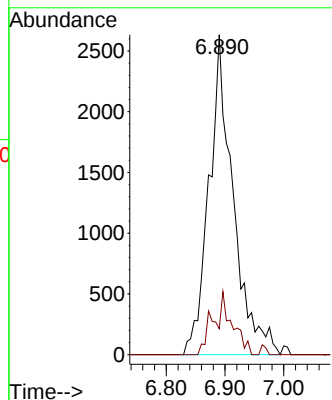
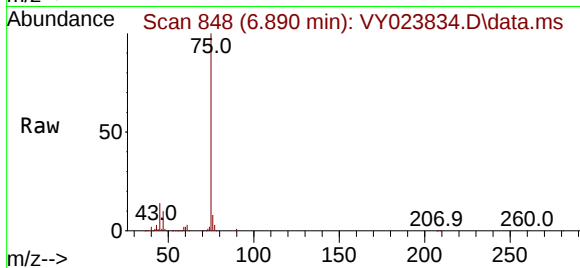
SB-1125-17A

Tgt Ion: 43 Resp: 7540

Ion Ratio Lower Upper

43 100

72 8.1 21.3 31.9#



#31

Cyclohexane

Concen: 1.102 ug/l

RT: 7.707 min Scan# 982

Delta R.T. 0.006 min

Lab File: VY023834.D

Acq: 01 Dec 2025 11:25

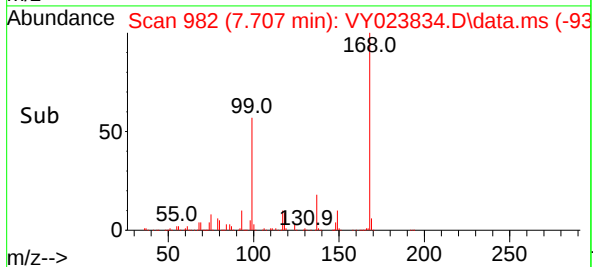
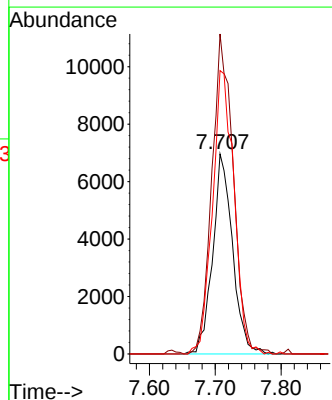
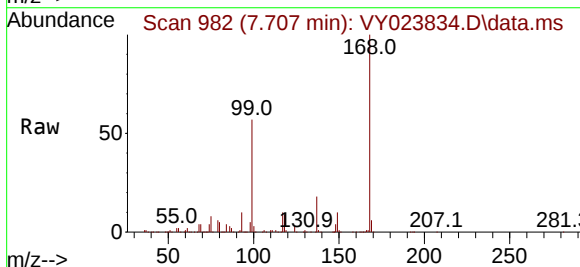
Tgt Ion: 56 Resp: 14652

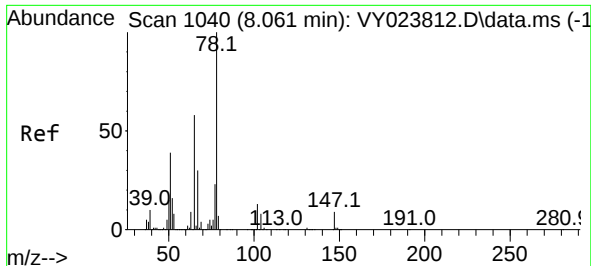
Ion Ratio Lower Upper

56 100

69 160.0 27.8 41.6#

84 141.8 71.8 107.8#





#33

1,2-Dichloroethane-d4

Concen: 63.845 ug/l

RT: 8.067 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VY023834.D

Acq: 01 Dec 2025 11:25

Instrument :

MSVOA_Y

ClientSampleId :

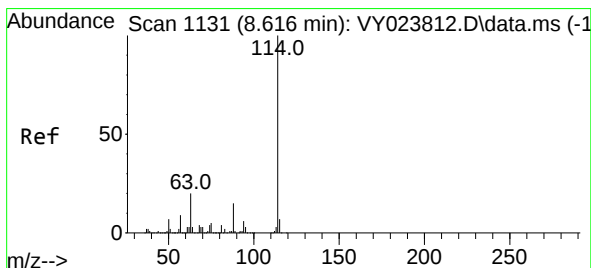
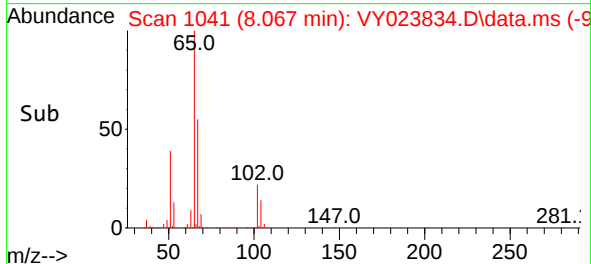
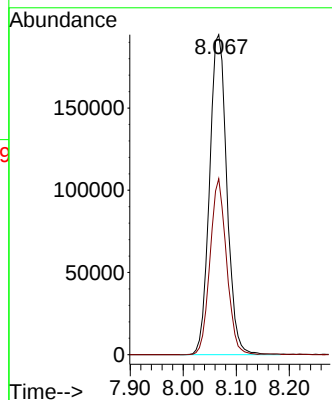
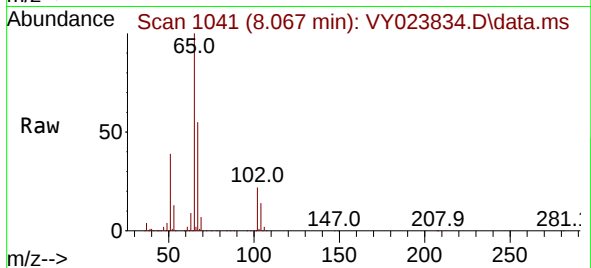
SB-1125-17A

Tgt Ion: 65 Resp: 441595

Ion Ratio Lower Upper

65 100

67 52.4 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: VY023834.D

Acq: 01 Dec 2025 11:25

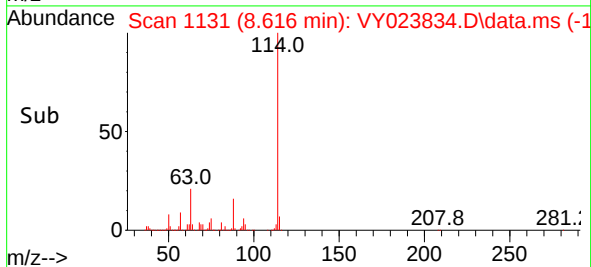
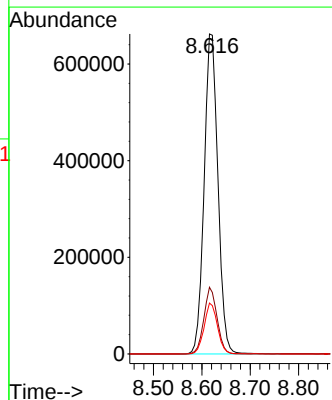
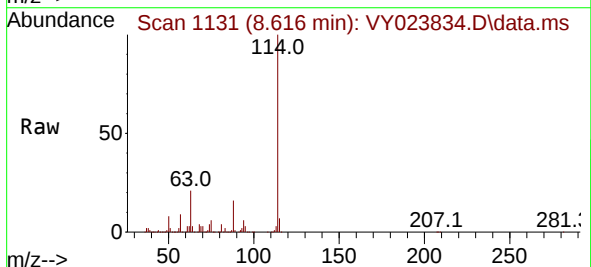
Tgt Ion:114 Resp: 1310532

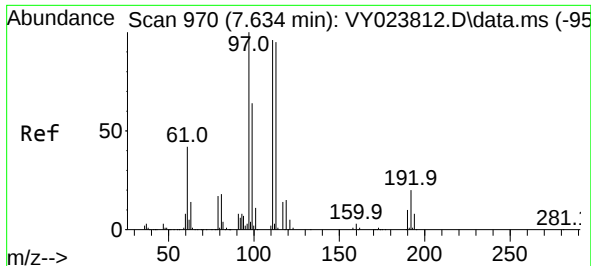
Ion Ratio Lower Upper

114 100

63 20.9 0.0 39.4

88 15.9 0.0 30.8

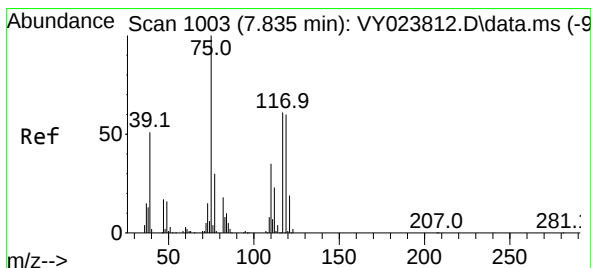
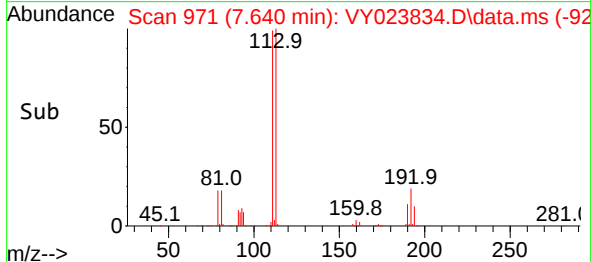
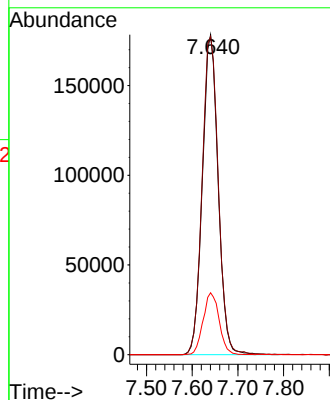
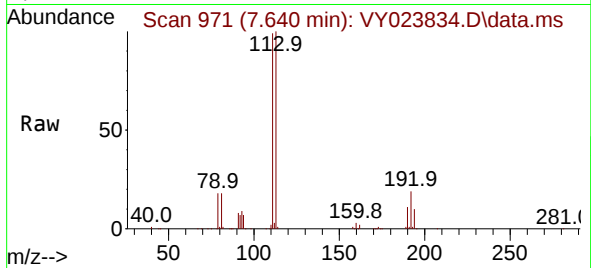




#35
Dibromofluoromethane
Concen: 54.933 ug/l
RT: 7.640 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023834.D
Acq: 01 Dec 2025 11:25

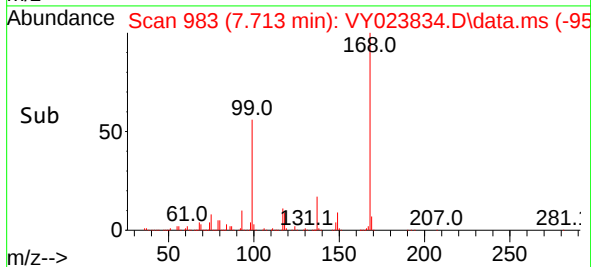
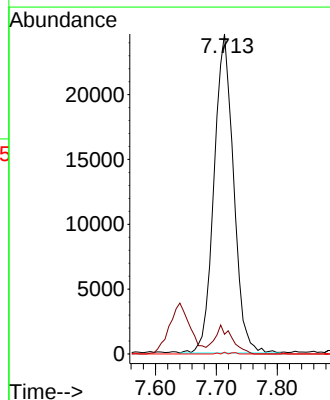
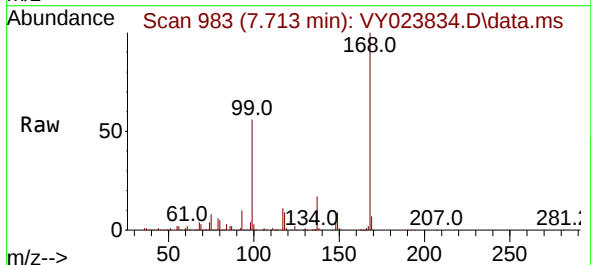
Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-17A

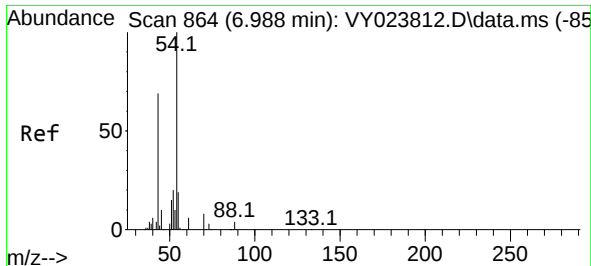
Tgt Ion:113 Resp: 426470
Ion Ratio Lower Upper
113 100
111 102.0 81.4 122.0
192 19.7 15.8 23.8



#36
1,1-Dichloropropene
Concen: 4.599 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.122 min
Lab File: VY023834.D
Acq: 01 Dec 2025 11:25

Tgt Ion: 75 Resp: 54738
Ion Ratio Lower Upper
75 100
110 8.0 17.6 52.8#
77 0.1 24.9 37.3#





#37

Ethyl Acetate

Concen: 1.347 ug/l

RT: 6.890 min Scan# 84

Delta R.T. -0.098 min

Lab File: VY023834.D

Acq: 01 Dec 2025 11:25

Instrument :

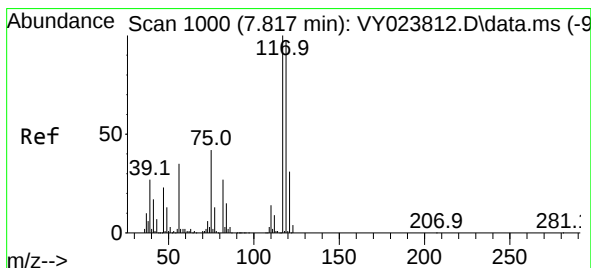
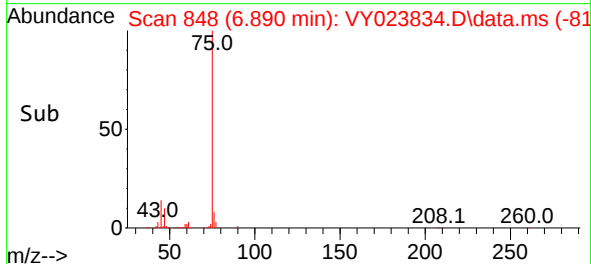
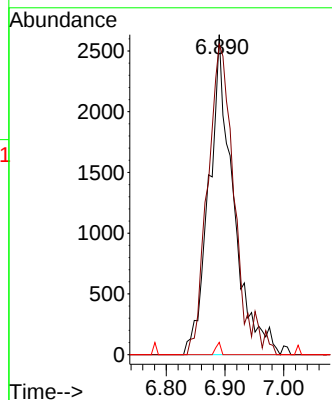
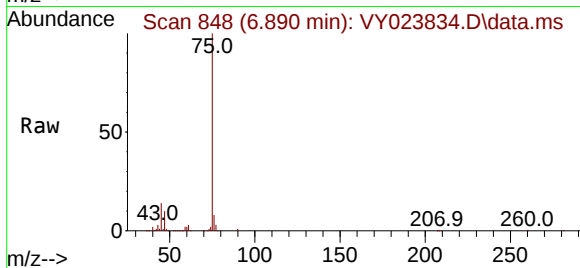
MSVOA_Y

ClientSampleId :

SB-1125-17A

Tgt Ion: 43 Resp: 7540

Ion	Ratio	Lower	Upper
43	100		
61	101.7	11.0	16.6#
70	0.8	8.1	12.1#



#38

Carbon Tetrachloride

Concen: 5.418 ug/l

RT: 7.713 min Scan# 983

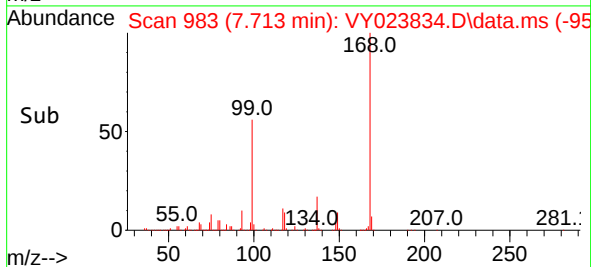
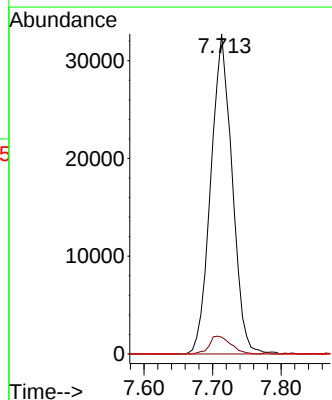
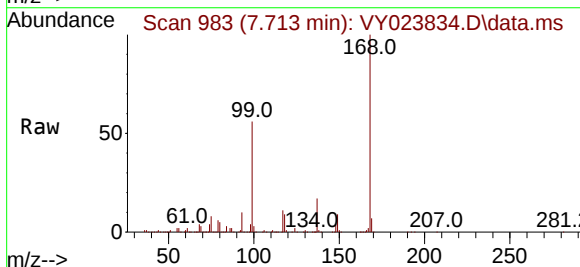
Delta R.T. -0.104 min

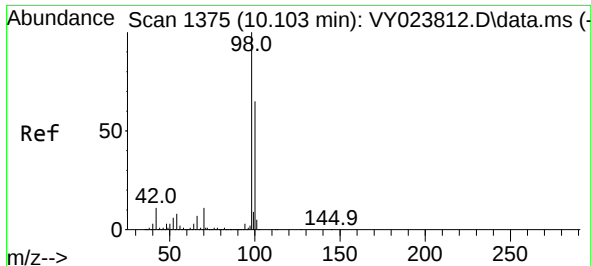
Lab File: VY023834.D

Acq: 01 Dec 2025 11:25

Tgt Ion: 117 Resp: 70787

Ion	Ratio	Lower	Upper
117	100		
119	5.2	77.3	115.9#
121	0.0	25.0	37.6#

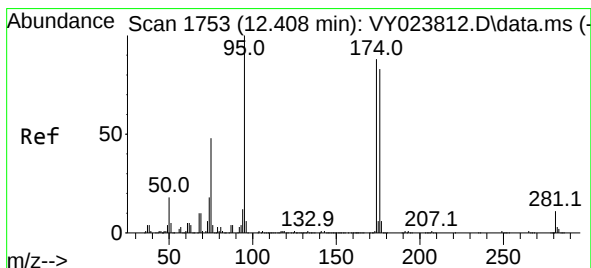
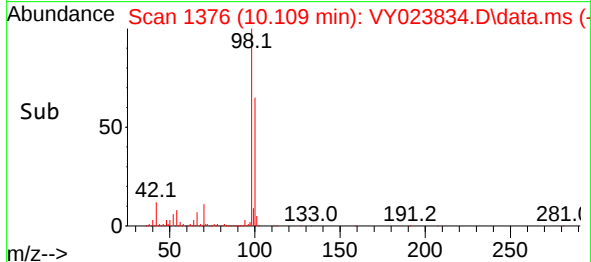
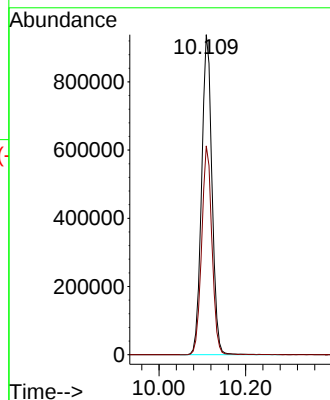
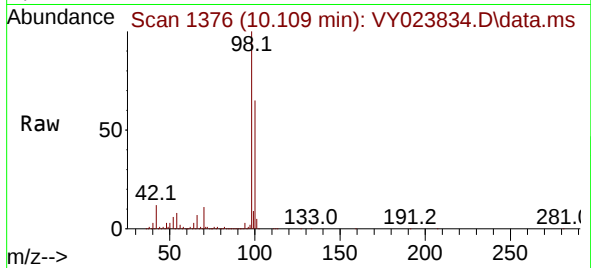




#50
Toluene-d8
Concen: 50.352 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY023834.D
Acq: 01 Dec 2025 11:25

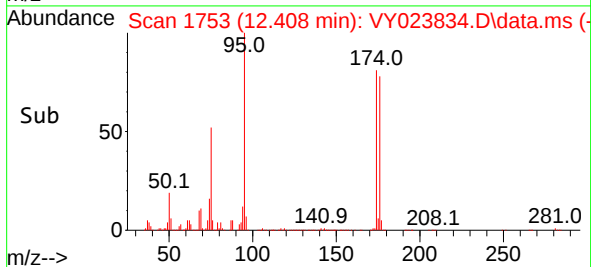
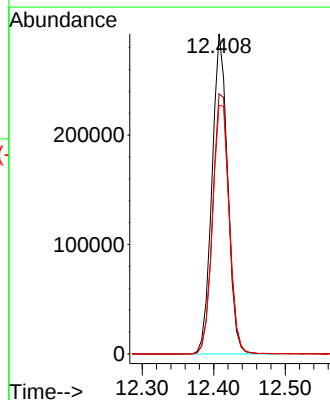
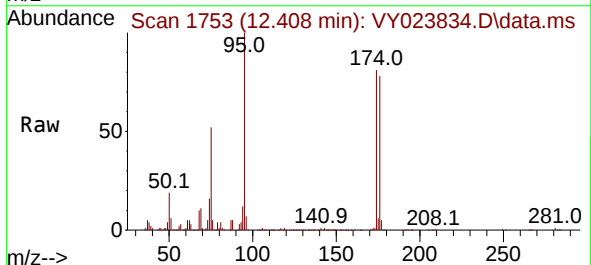
Instrument :
MSVOA_Y
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SB-1125-17A

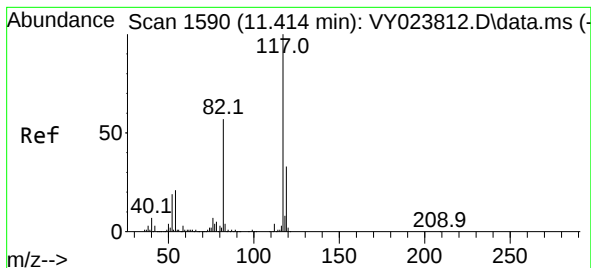
Tgt Ion: 98 Resp: 1552670
Ion Ratio Lower Upper
98 100
100 64.7 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 43.648 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY023834.D
Acq: 01 Dec 2025 11:25

Tgt Ion: 95 Resp: 442861
Ion Ratio Lower Upper
95 100
174 86.3 0.0 168.6
176 83.0 0.0 164.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023834.D

Acq: 01 Dec 2025 11:25

Instrument :

MSVOA_Y

ClientSampleId :

SB-1125-17A

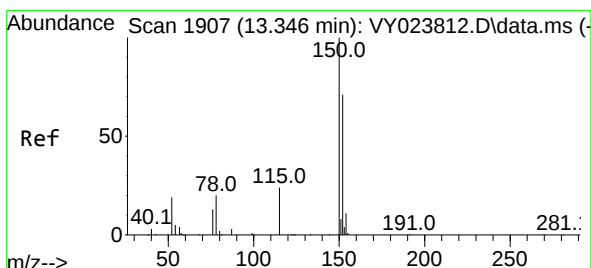
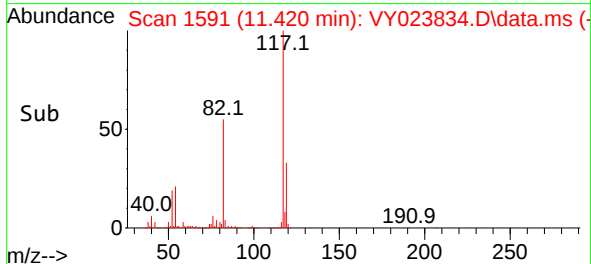
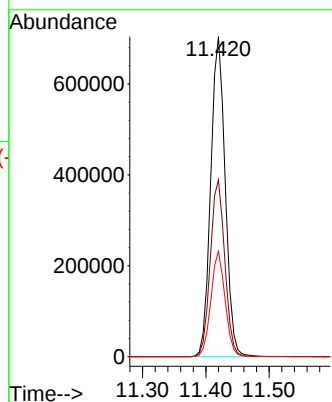
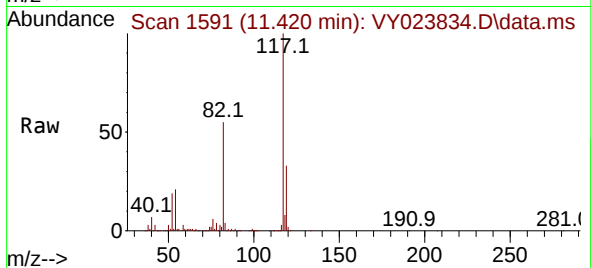
Tgt Ion:117 Resp: 1122921

Ion Ratio Lower Upper

117 100

82 55.3 45.4 68.0

119 33.0 26.0 39.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.352 min Scan# 1908

Delta R.T. 0.006 min

Lab File: VY023834.D

Acq: 01 Dec 2025 11:25

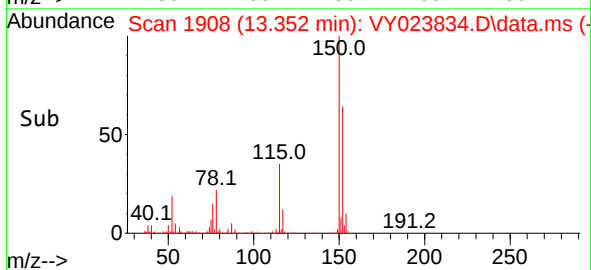
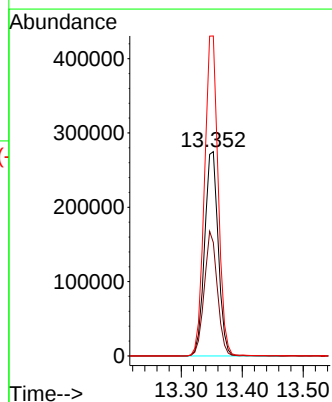
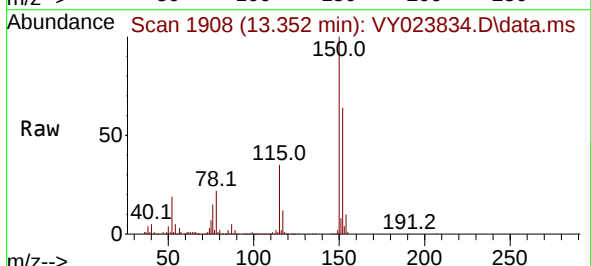
Tgt Ion:152 Resp: 427893

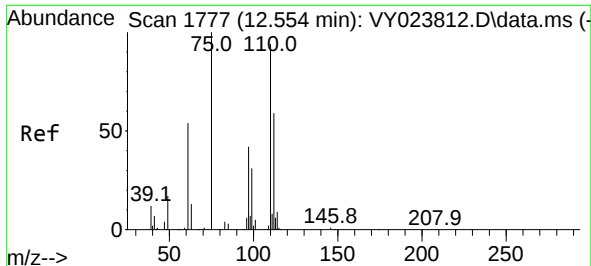
Ion Ratio Lower Upper

152 100

115 58.4 28.7 86.3

150 156.9 0.0 345.6

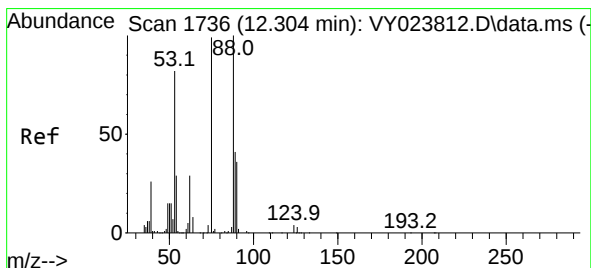
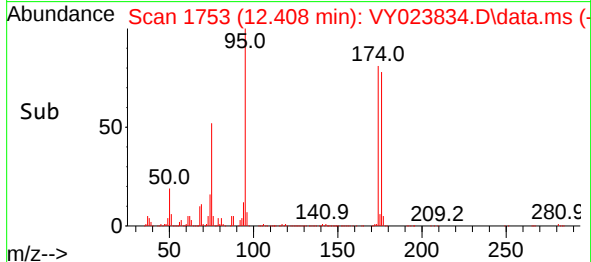
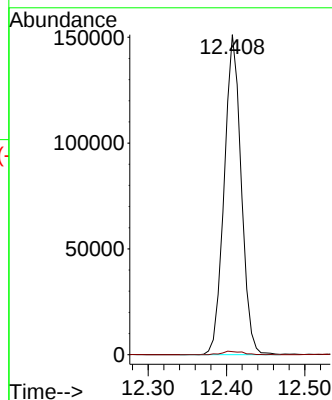
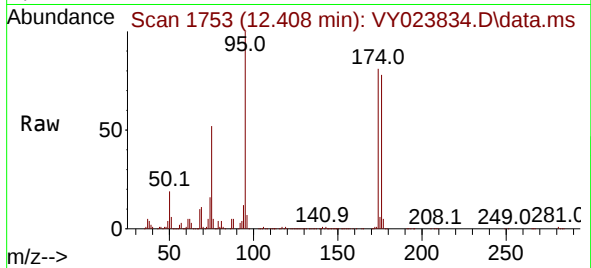




#76
1,2,3-Trichloropropane
Concen: 61.429 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY023834.D
Acq: 01 Dec 2025 11:25

Instrument :
MSVOA_Y
ClientSampleId :
SB-1125-17A

Tgt Ion: 75 Resp: 228578
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 129.842 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY023834.D
Acq: 01 Dec 2025 11:25

Tgt Ion: 75 Resp: 228578
Ion Ratio Lower Upper
75 100
53 0.2 71.3 106.9#
89 0.0 37.0 55.4#

