

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121525\
 Data File : VY023977.D
 Acq On : 15 Dec 2025 15:31
 Operator : SY/MD
 Sample : Q3873-01
 Misc : 5.11g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 COMP-1

Quant Time: Dec 16 02:16:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121025S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 11 03:57:51 2025
 Response via : Initial Calibration

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

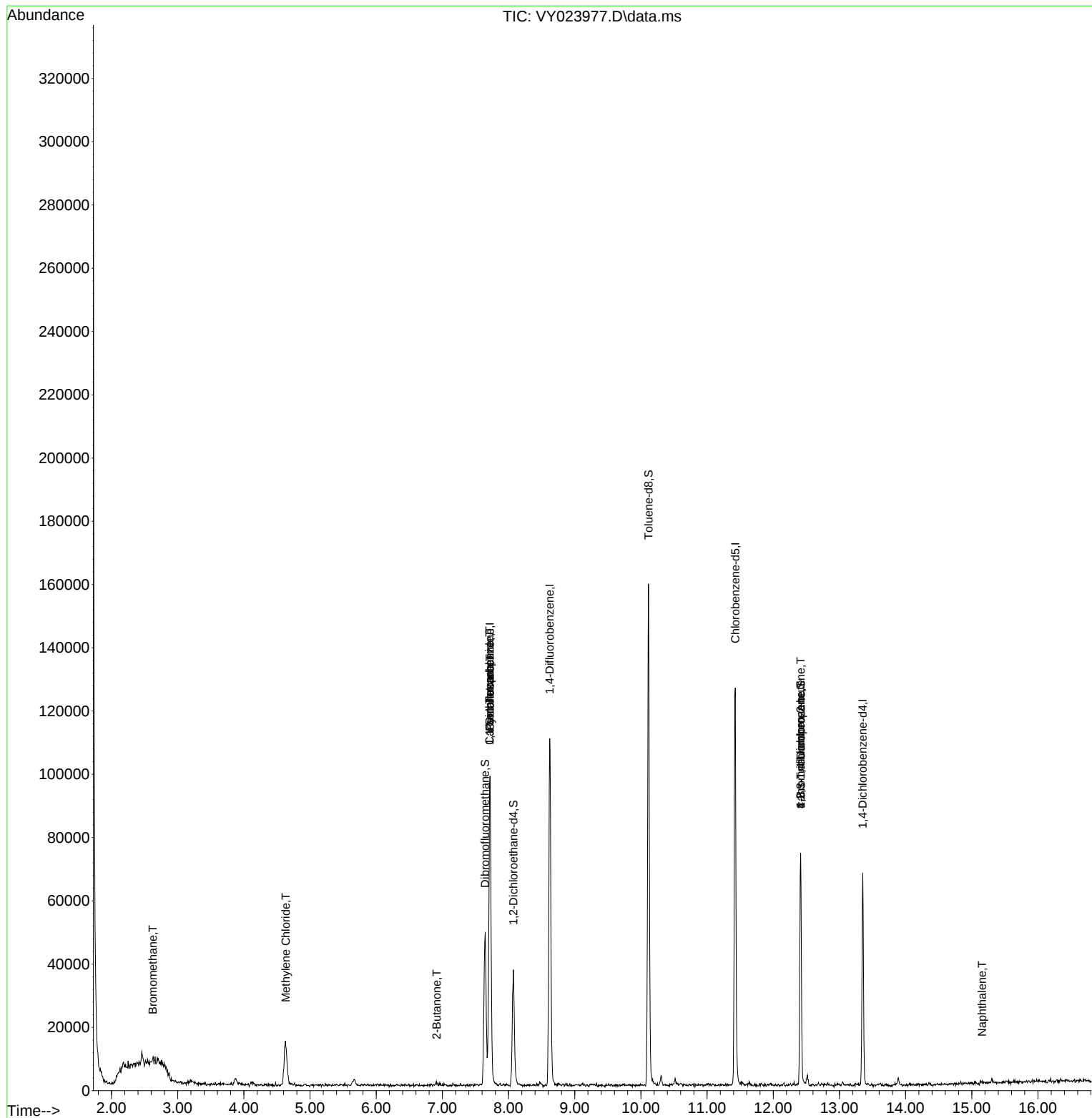
Internal Standards						
1) Pentafluorobenzene	7.719	168	83344	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.621	114	103256	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	74045	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	18826	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	28669	38.906	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	77.820%
35) Dibromofluoromethane	7.646	113	34185	50.647	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.300%
50) Toluene-d8	10.115	98	111286	44.284	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	88.560%
62) 4-Bromofluorobenzene	12.413	95	22965	27.364	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	54.720%
Target Compounds						
					Qvalue	
5) Bromomethane	2.622	94	1151	1.474	ug/l #	76
16) Acetone	3.878	43	3732	Below Cal		94
20) Methylene Chloride	4.634	84	10972	12.657	ug/l	90
25) 2-Butanone	6.914	43	699	3.069	ug/l #	75
31) Cyclohexane	7.719	56	1531	1.212	ug/l #	25
36) 1,1-Dichloropropene	7.713	75	5573	6.065	ug/l #	40
38) Carbon Tetrachloride	7.713	117	7981	7.165	ug/l #	15
76) 1,2,3-Trichloropropane	12.413	75	10895	68.415	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.413	75	10895	155.729	ug/l #	12
95) Naphthalene	15.157	128	587	1.125	ug/l #	70

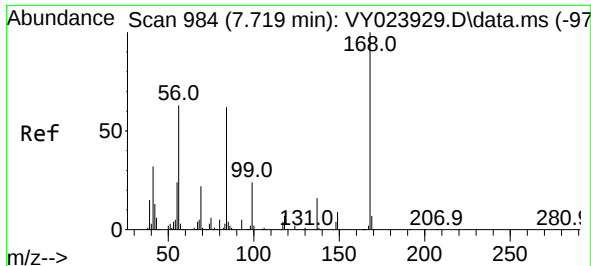
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121025S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 11 03:57:51 2025
Response via : Initial Calibration

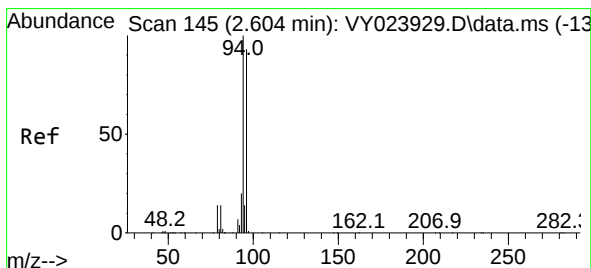
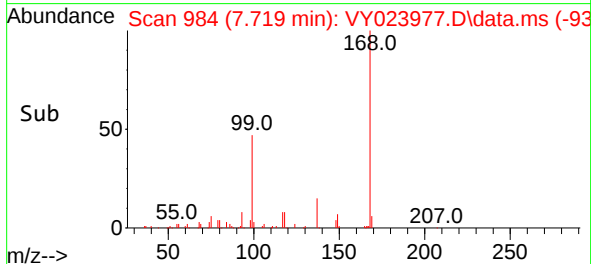
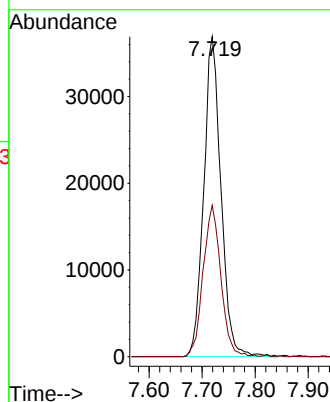
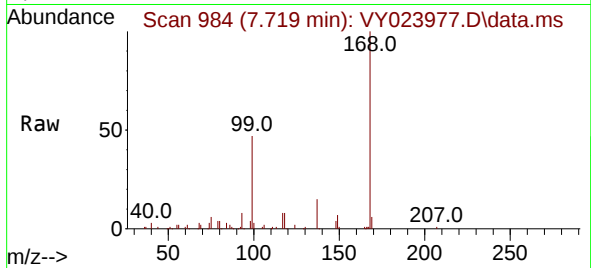




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023977.D
Acq: 15 Dec 2025 15:31

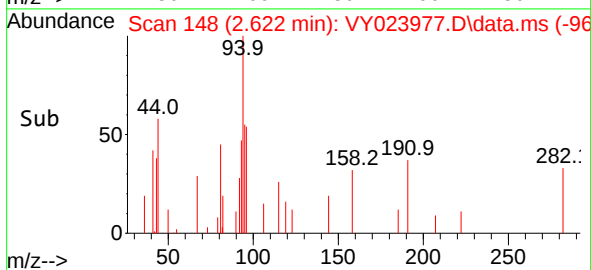
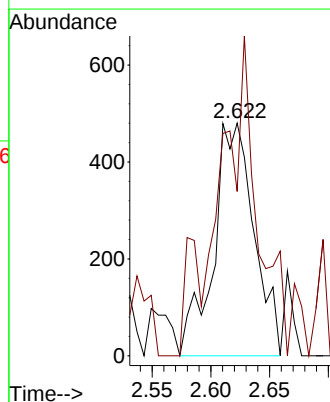
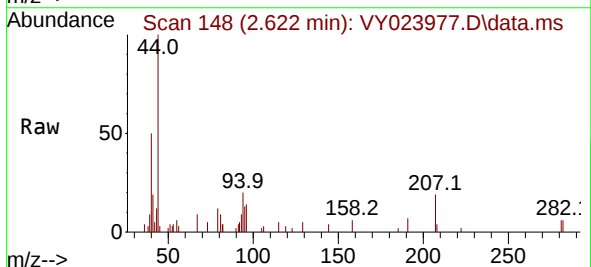
Instrument :
MSVOA_Y
ClientSampleId :
COMP-1

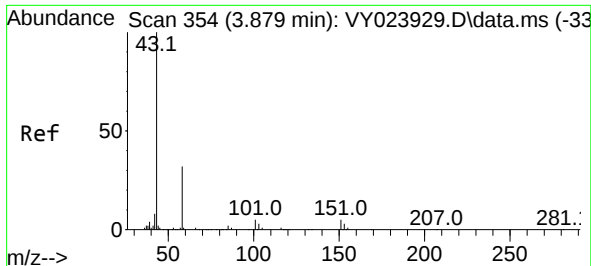
Tgt Ion:168 Resp: 83344
Ion Ratio Lower Upper
168 100
99 47.3 38.9 58.3



#5
Bromomethane
Concen: 1.474 ug/l
RT: 2.622 min Scan# 148
Delta R.T. 0.018 min
Lab File: VY023977.D
Acq: 15 Dec 2025 15:31

Tgt Ion: 94 Resp: 1151
Ion Ratio Lower Upper
94 100
96 70.6 74.8 112.2#

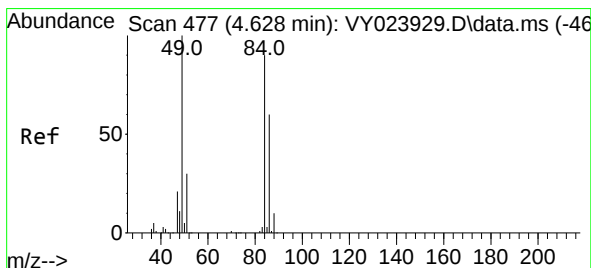
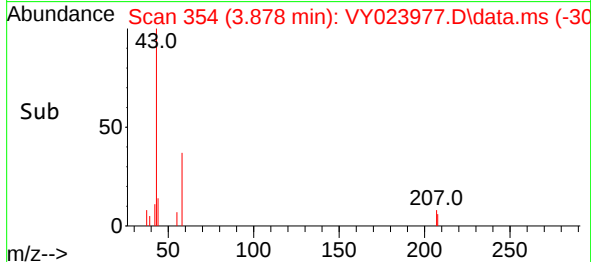
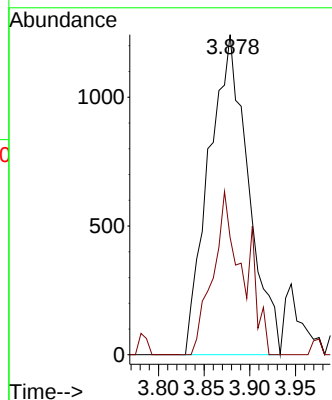
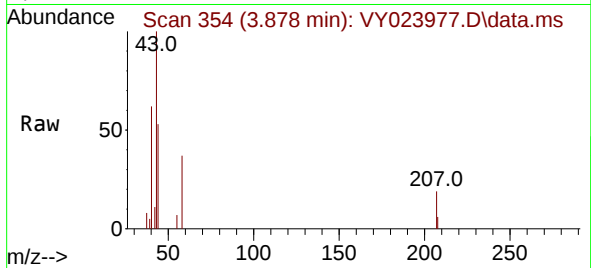




#16
Acetone
Concen: Below Cal
RT: 3.878 min Scan# 311
Delta R.T. -0.000 min
Lab File: VY023977.D
Acq: 15 Dec 2025 15:31

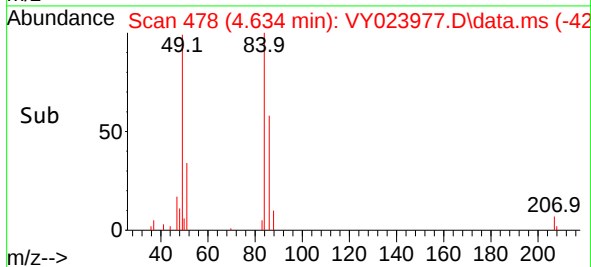
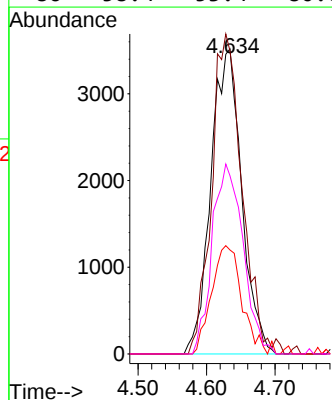
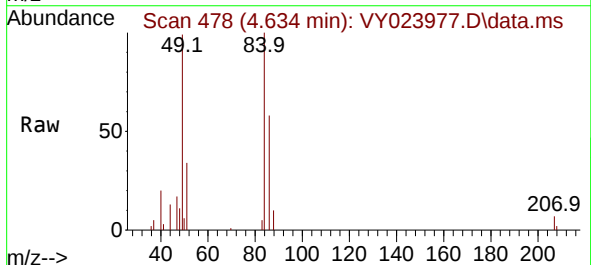
Instrument :
MSVOA_Y
ClientSampleId :
COMP-1

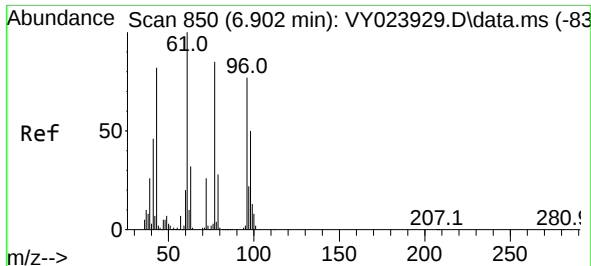
Tgt Ion: 43 Resp: 3732
Ion Ratio Lower Upper
43 100
58 36.6 26.4 39.6



#20
Methylene Chloride
Concen: 12.657 ug/l
RT: 4.634 min Scan# 478
Delta R.T. 0.006 min
Lab File: VY023977.D
Acq: 15 Dec 2025 15:31

Tgt Ion: 84 Resp: 10972
Ion Ratio Lower Upper
84 100
49 99.3 89.1 133.7
51 34.1 26.6 39.8
86 58.4 53.4 80.0





#25

2-Butanone

Concen: 3.069 ug/l

RT: 6.914 min Scan# 850

Delta R.T. 0.012 min

Lab File: VY023977.D

Acq: 15 Dec 2025 15:31

Instrument :

MSVOA_Y

ClientSampleId :

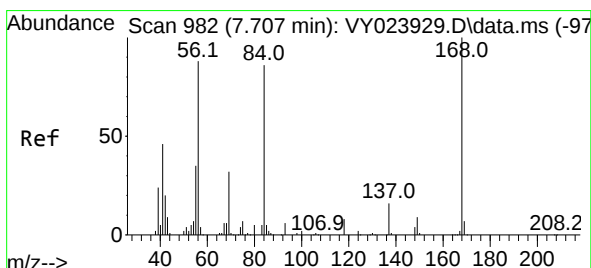
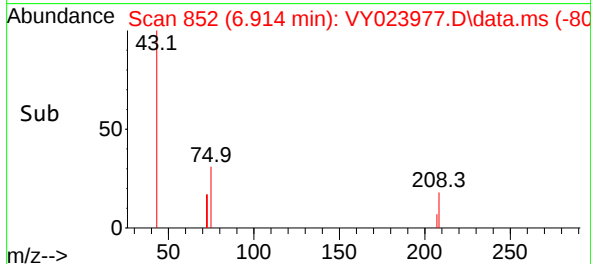
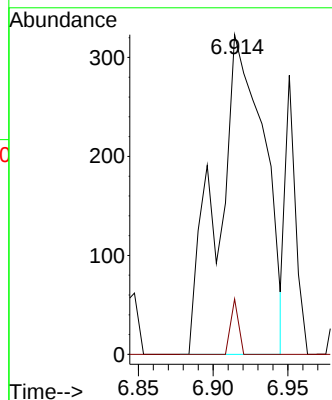
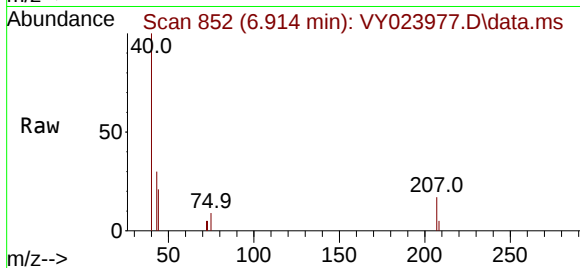
COMP-1

Tgt Ion: 43 Resp: 699

Ion Ratio Lower Upper

43 100

72 17.3 25.0 37.6#



#31

Cyclohexane

Concen: 1.212 ug/l

RT: 7.719 min Scan# 984

Delta R.T. 0.012 min

Lab File: VY023977.D

Acq: 15 Dec 2025 15:31

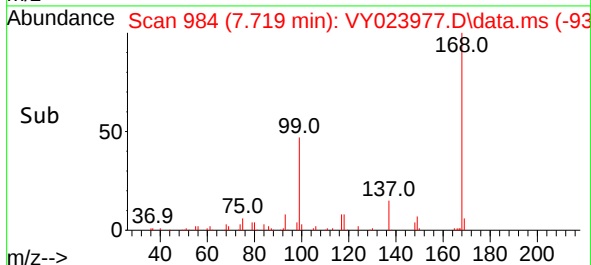
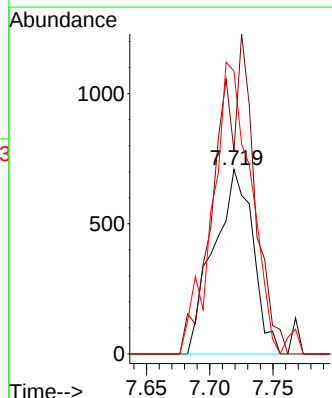
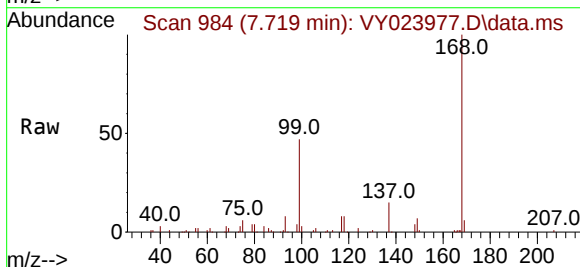
Tgt Ion: 56 Resp: 1531

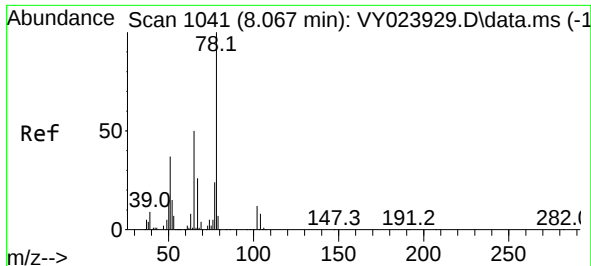
Ion Ratio Lower Upper

56 100

69 110.0 29.1 43.7#

84 153.2 77.8 116.8#





#33

1,2-Dichloroethane-d4

Concen: 38.906 ug/l

RT: 8.073 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VY023977.D

Acq: 15 Dec 2025 15:31

Instrument :

MSVOA_Y

ClientSampleId :

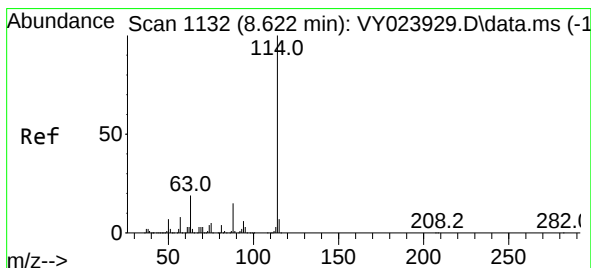
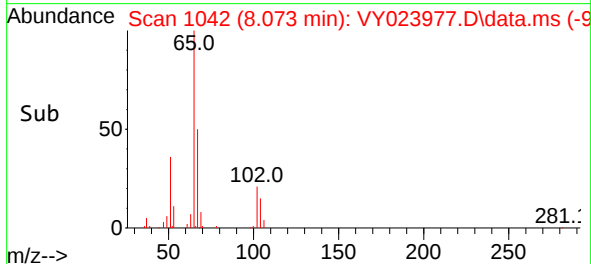
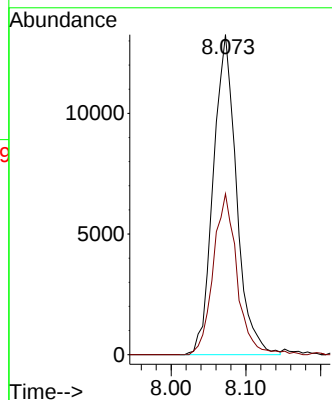
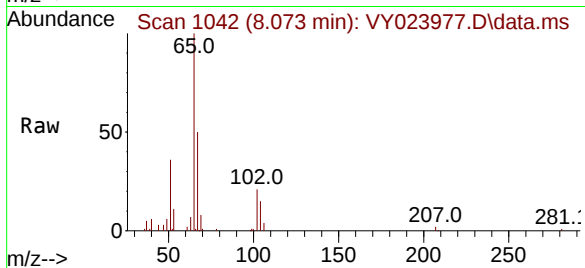
COMP-1

Tgt Ion: 65 Resp: 28669

Ion Ratio Lower Upper

65 100

67 51.7 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.621 min Scan# 1132

Delta R.T. -0.000 min

Lab File: VY023977.D

Acq: 15 Dec 2025 15:31

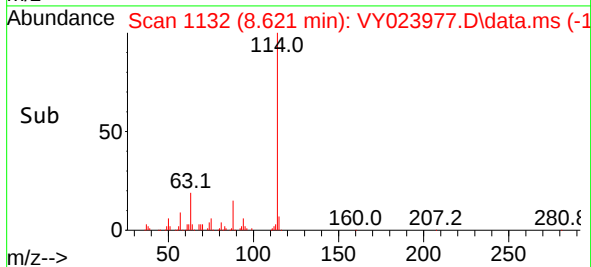
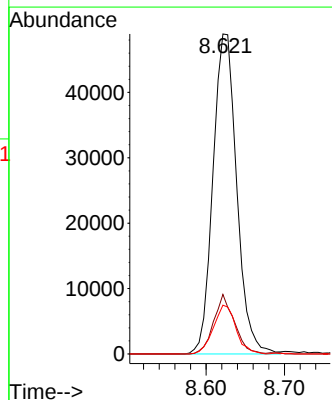
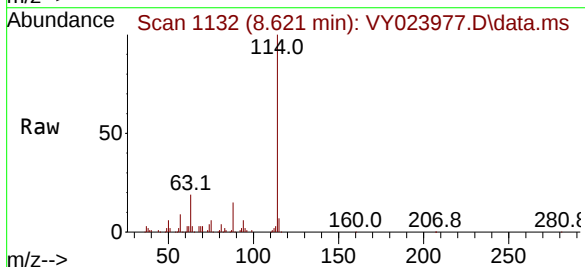
Tgt Ion: 114 Resp: 103256

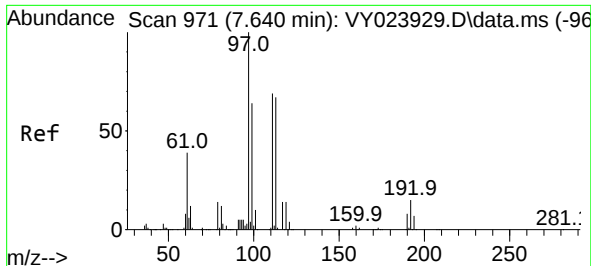
Ion Ratio Lower Upper

114 100

63 18.6 0.0 37.2

88 15.3 0.0 29.4

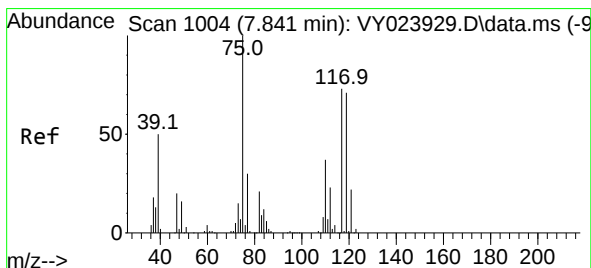
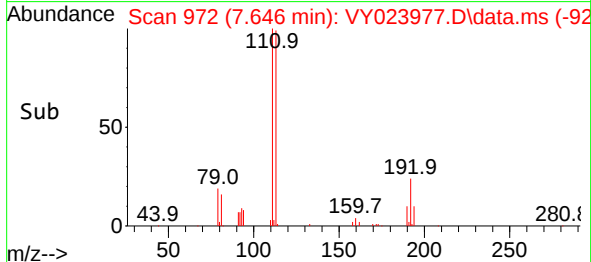
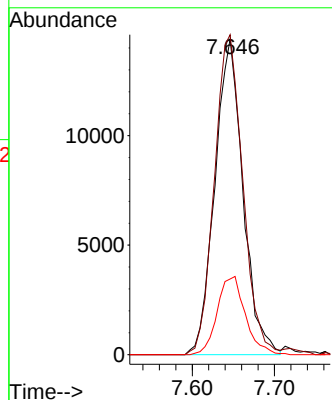
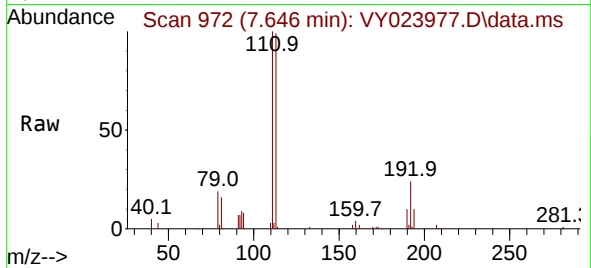




#35
Dibromofluoromethane
Concen: 50.647 ug/l
RT: 7.646 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023977.D
Acq: 15 Dec 2025 15:31

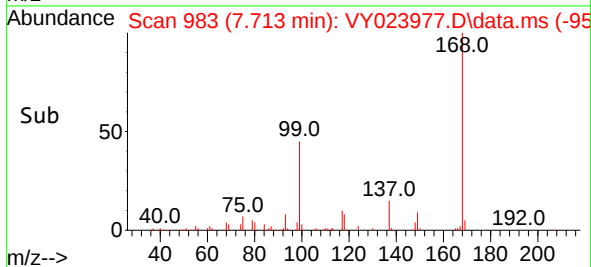
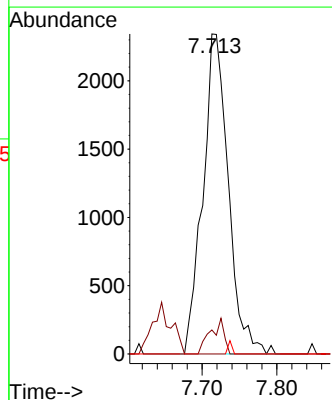
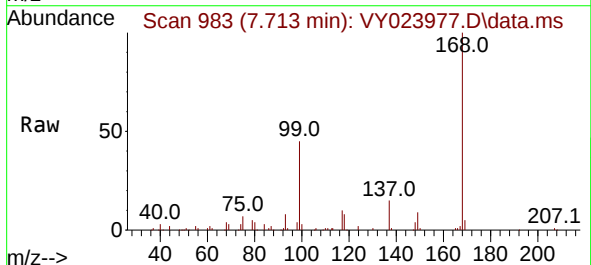
Instrument :
MSVOA_Y
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COMP-1

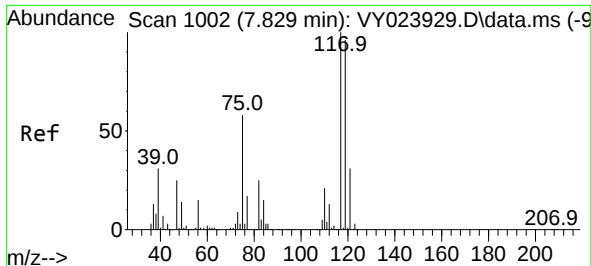
Tgt Ion:113 Resp: 34185
Ion Ratio Lower Upper
113 100
111 102.5 82.4 123.6
192 24.8 17.9 26.9



#36
1,1-Dichloropropene
Concen: 6.065 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.128 min
Lab File: VY023977.D
Acq: 15 Dec 2025 15:31

Tgt Ion: 75 Resp: 5573
Ion Ratio Lower Upper
75 100
110 0.0 19.2 57.6#
77 0.0 24.4 36.6#

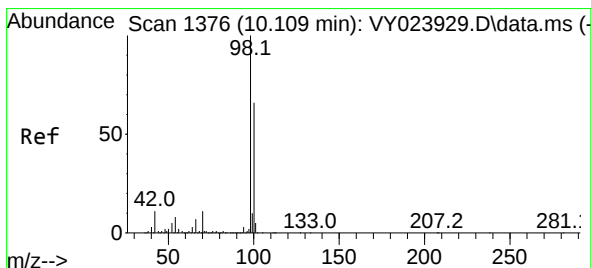
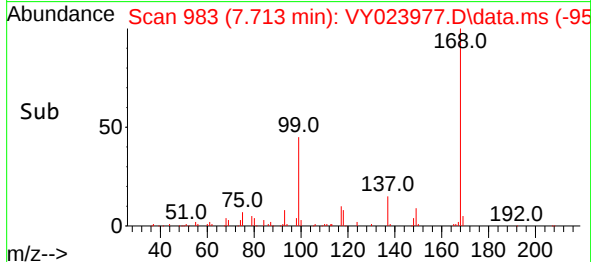
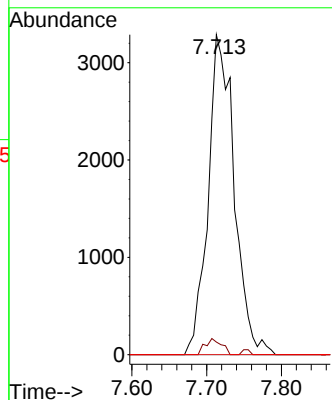
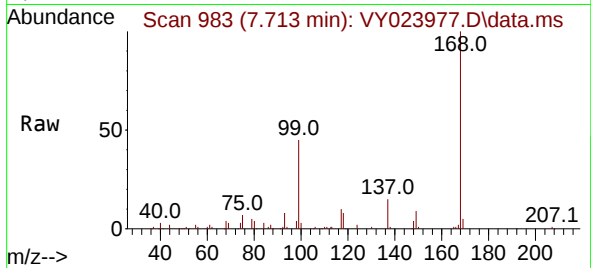




#38
Carbon Tetrachloride
Concen: 7.165 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY023977.D
Acq: 15 Dec 2025 15:31

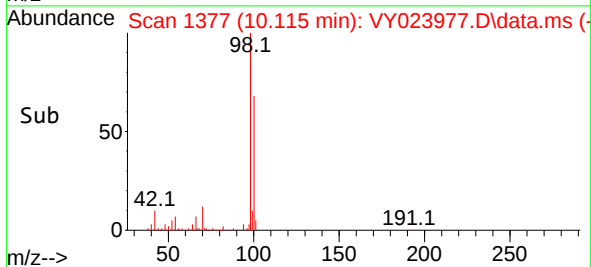
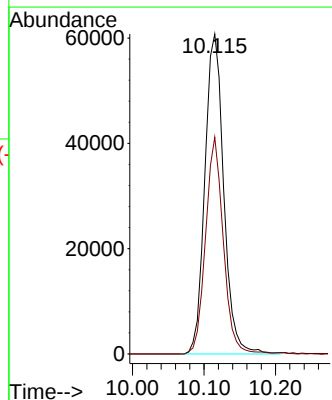
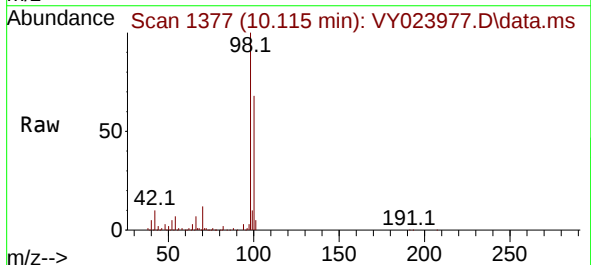
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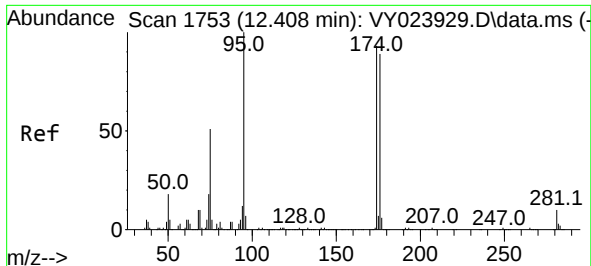
Tgt Ion:117 Resp: 7981
Ion Ratio Lower Upper
117 100
119 3.9 76.6 114.8#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 44.284 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.006 min
Lab File: VY023977.D
Acq: 15 Dec 2025 15:31

Tgt Ion: 98 Resp: 111286
Ion Ratio Lower Upper
98 100
100 63.8 52.8 79.2

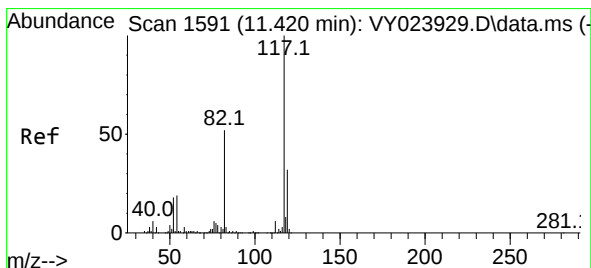
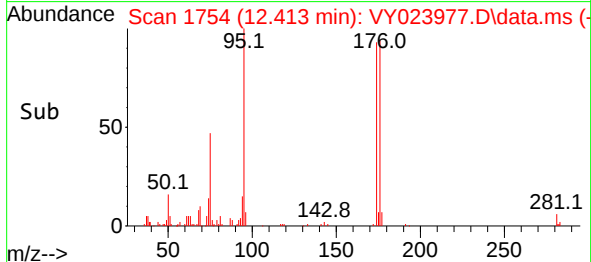
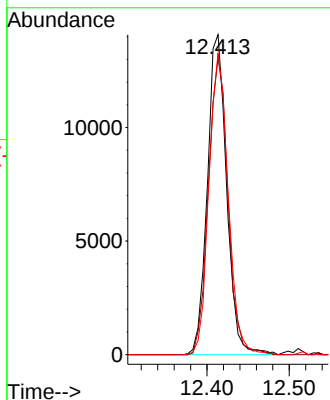
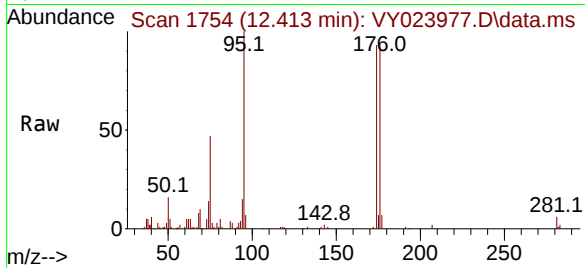




#62
4-Bromofluorobenzene
Concen: 27.364 ug/l
RT: 12.413 min Scan# 1754
Delta R.T. 0.006 min
Lab File: VY023977.D
Acq: 15 Dec 2025 15:31

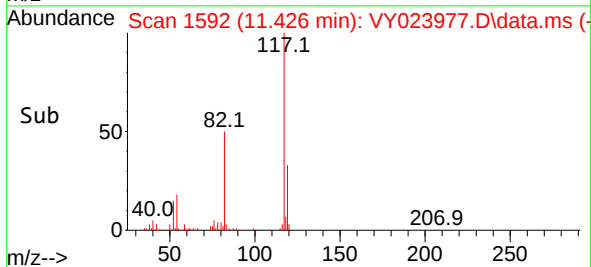
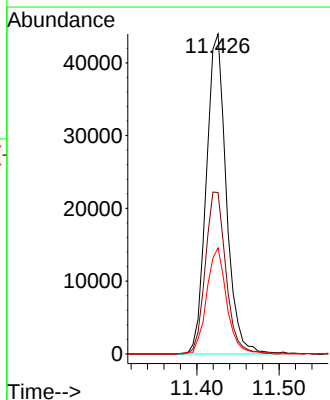
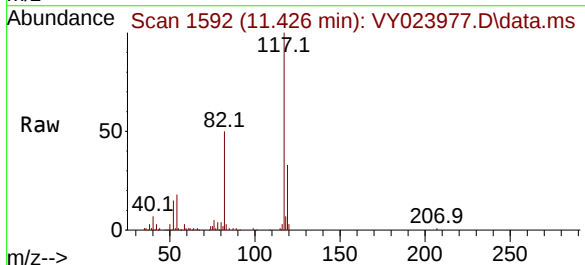
Instrument :
MSVOA_Y
ClientSampleId :
COMP-1

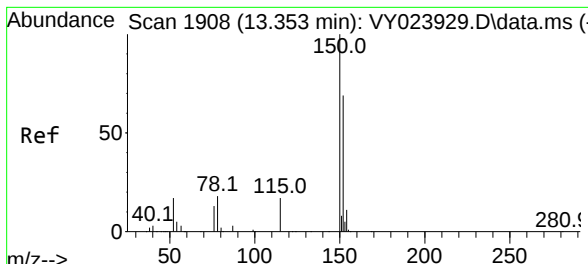
Tgt Ion: 95 Resp: 22965
Ion Ratio Lower Upper
95 100
174 94.4 0.0 187.4
176 94.1 0.0 179.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 1592
Delta R.T. 0.006 min
Lab File: VY023977.D
Acq: 15 Dec 2025 15:31

Tgt Ion: 117 Resp: 74045
Ion Ratio Lower Upper
117 100
82 50.4 41.4 62.2
119 33.2 25.5 38.3

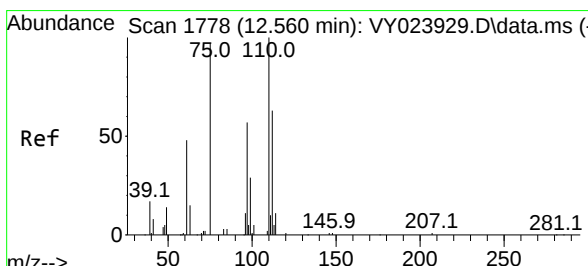
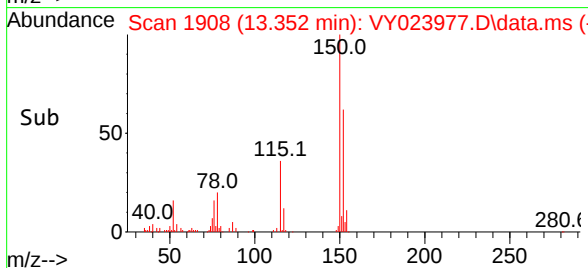
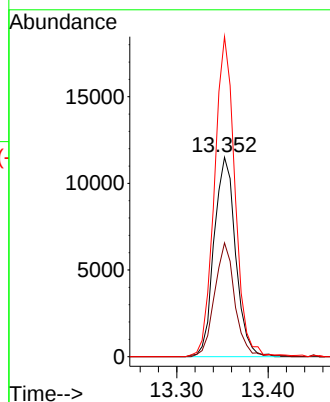
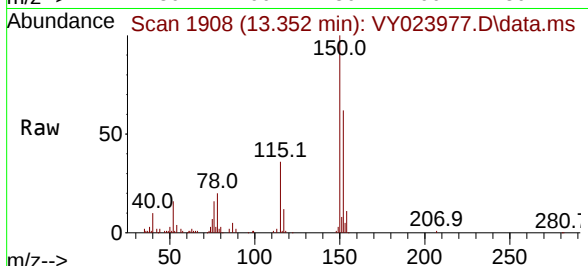




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.352 min Scan# 1908
 Delta R.T. -0.000 min
 Lab File: VY023977.D
 Acq: 15 Dec 2025 15:31

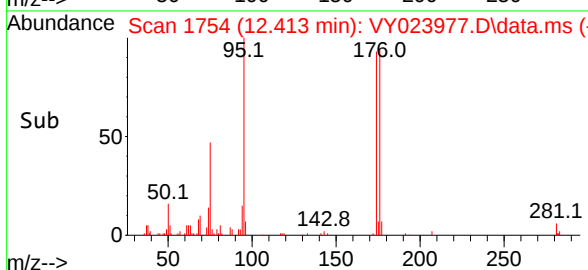
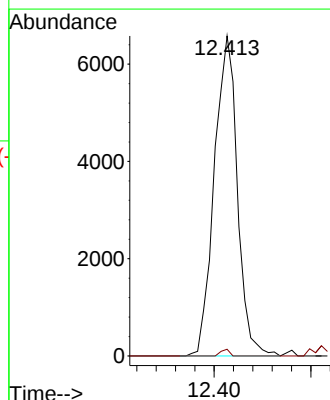
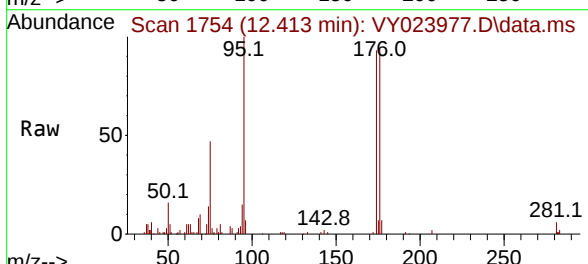
Instrument :
 MSVOA_Y
 ClientSampleId :
 COMP-1

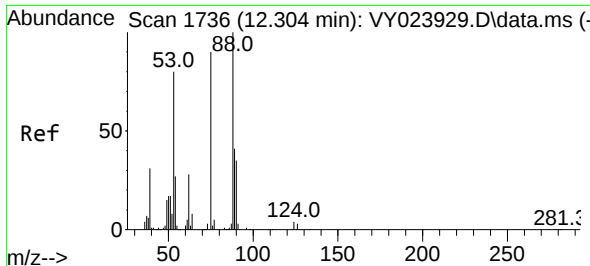
Tgt Ion:152 Resp: 18826
 Ion Ratio Lower Upper
 152 100
 115 54.0 27.3 81.9
 150 153.4 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 68.415 ug/l
 RT: 12.413 min Scan# 1754
 Delta R.T. -0.147 min
 Lab File: VY023977.D
 Acq: 15 Dec 2025 15:31

Tgt Ion: 75 Resp: 10895
 Ion Ratio Lower Upper
 75 100
 77 0.8 0.0 0.0#

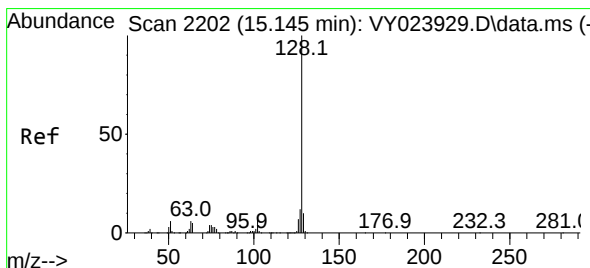
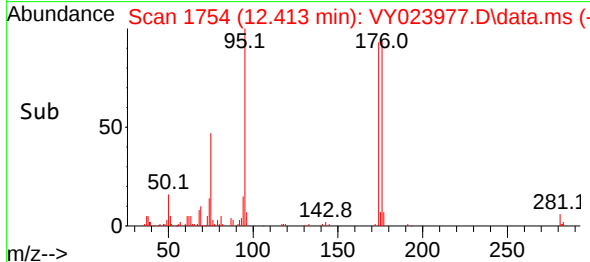
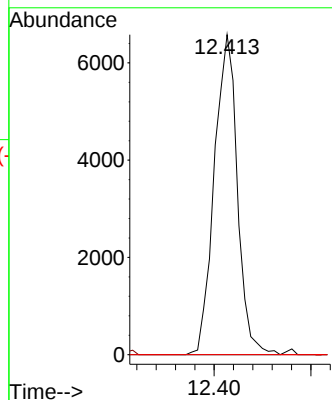
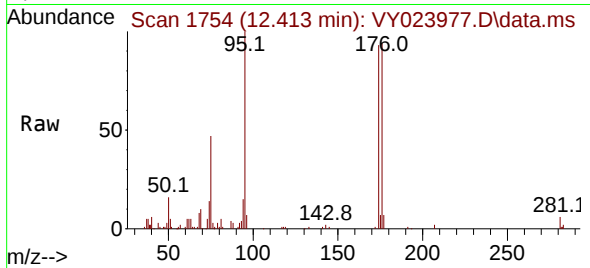




#81
 trans-1,4-Dichloro-2-butene
 Concen: 155.729 ug/l
 RT: 12.413 min Scan# 11
 Delta R.T. 0.109 min
 Lab File: VY023977.D
 Acq: 15 Dec 2025 15:31

Instrument :
 MSVOA_Y
 ClientSampleId :
 COMP-1

Tgt Ion: 75 Resp: 10895
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.4 110.0#
 89 0.0 38.9 58.3#



#95
 Naphthalene
 Concen: 1.125 ug/l
 RT: 15.157 min Scan# 2204
 Delta R.T. 0.012 min
 Lab File: VY023977.D
 Acq: 15 Dec 2025 15:31

Tgt Ion: 128 Resp: 587
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.2 15.2#
 129 0.0 8.6 12.8#

