

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110625\
 Data File : VY023693.D
 Acq On : 06 Nov 2025 09:13
 Operator : SY/MD
 Sample : VY1106SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1106SBL01

Quant Time: Nov 07 04:12:17 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 05 04:41:50 2025
 Response via : Initial Calibration

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

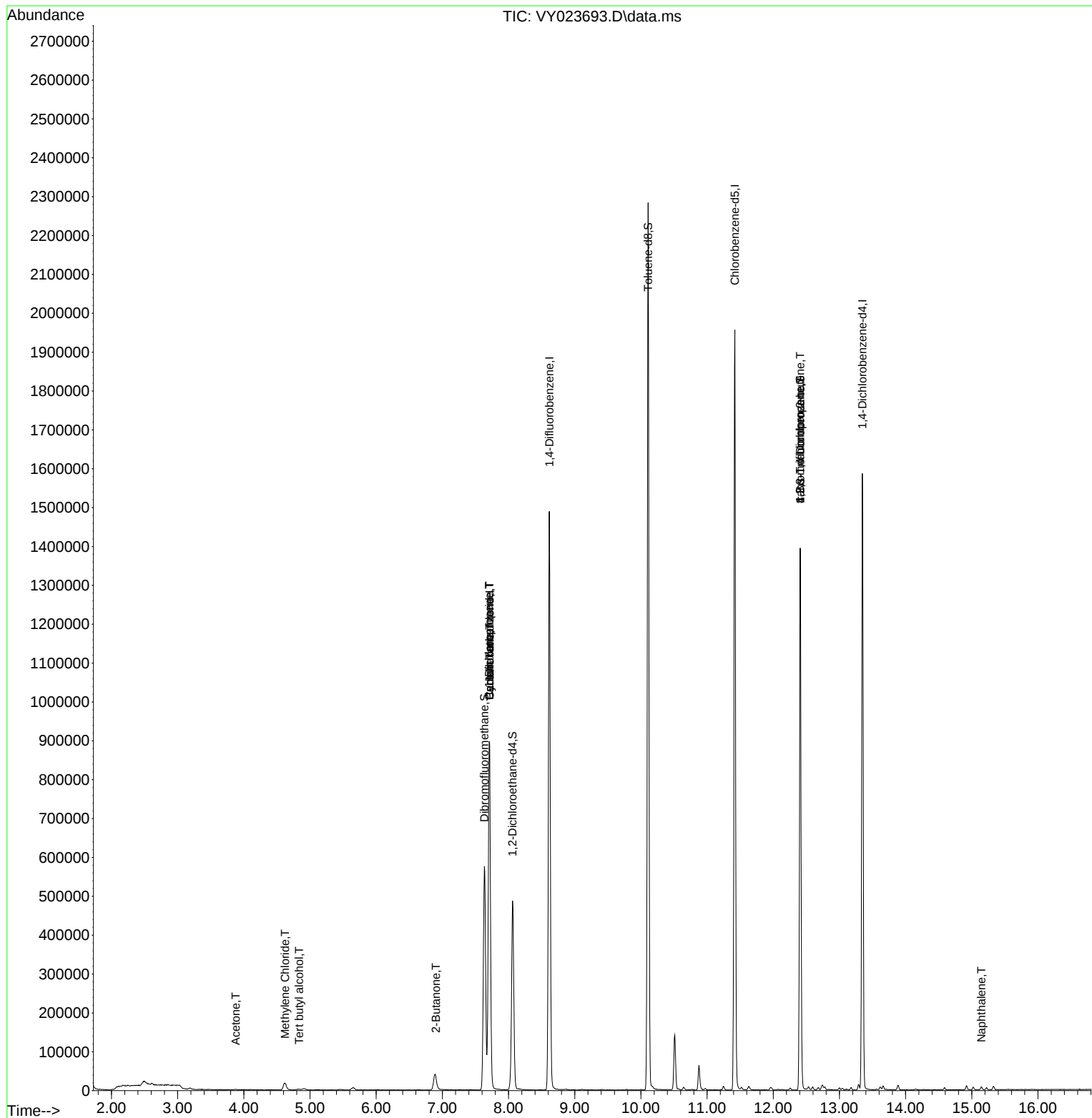
Internal Standards						
1) Pentafluorobenzene	7.713	168	739742	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1301529	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1087747	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	415434	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	376910	59.731	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 119.460%	
35) Dibromofluoromethane	7.634	113	416456	51.201	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.400%	
50) Toluene-d8	10.109	98	1479065	48.816	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.640%	
62) 4-Bromofluorobenzene	12.408	95	410618	41.907	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 83.820%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.836	59	2499	6.142	ug/l #	79
16) Acetone	3.879	43	1840	1.173	ug/l #	79
20) Methylene Chloride	4.623	84	13985	1.847	ug/l	91
25) 2-Butanone	6.903	43	2513	1.386	ug/l #	67
31) Cyclohexane	7.713	56	13978	1.344	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	52452	4.826	ug/l #	48
38) Carbon Tetrachloride	7.713	117	70091	5.473	ug/l #	17
76) 1,2,3-Trichloropropane	12.408	75	201567	59.952	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	201567	135.487	ug/l #	14
95) Naphthalene	15.145	128	6299	5.723	ug/l	98

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

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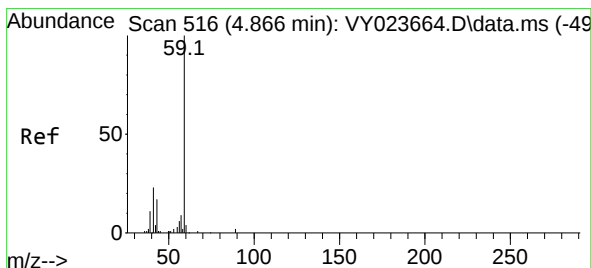
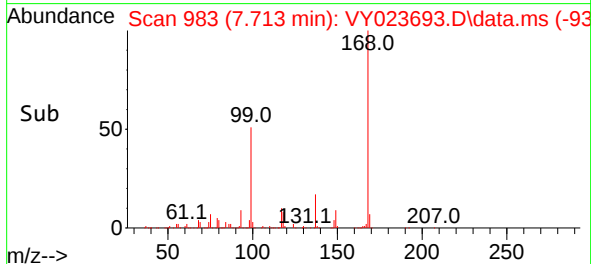
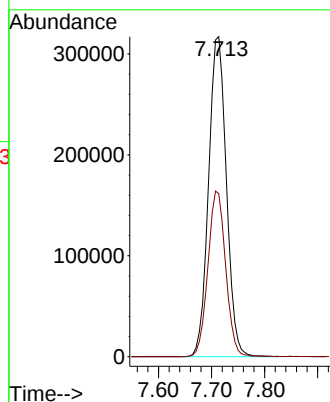
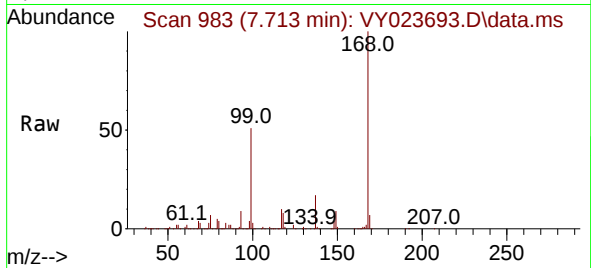




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023693.D
Acq: 06 Nov 2025 09:13

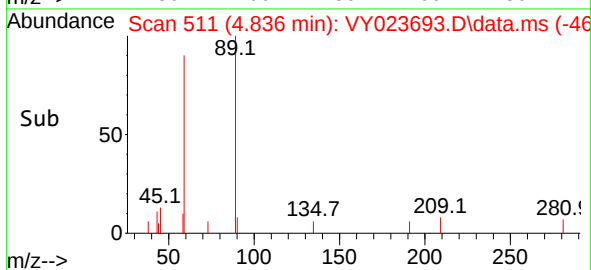
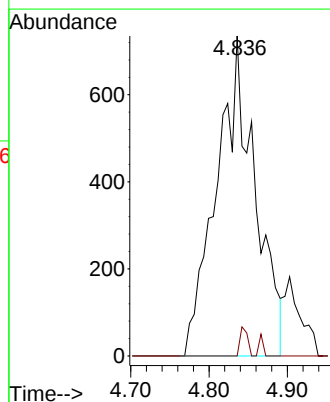
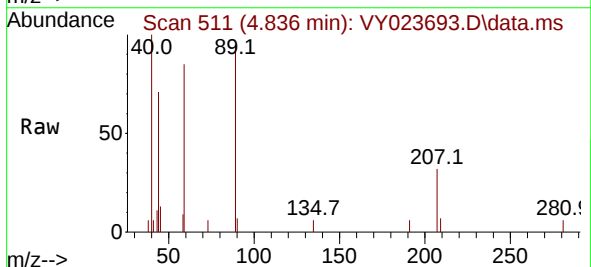
Instrument :
MSVOA_Y
ClientSampleId :
VY1106SBL01

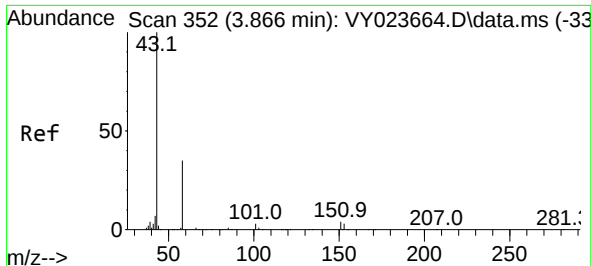
Tgt Ion:168 Resp: 739742
Ion Ratio Lower Upper
168 100
99 51.0 41.0 61.4



#11
Tert butyl alcohol
Concen: 6.142 ug/l
RT: 4.836 min Scan# 511
Delta R.T. -0.030 min
Lab File: VY023693.D
Acq: 06 Nov 2025 09:13

Tgt Ion: 59 Resp: 2499
Ion Ratio Lower Upper
59 100
57 1.8 7.4 11.2#

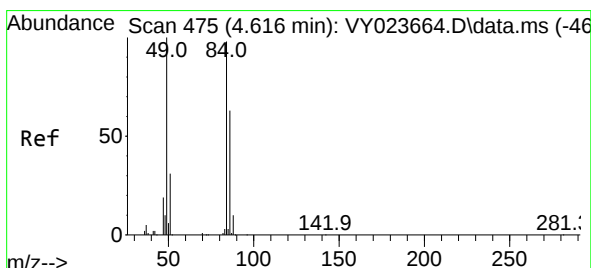
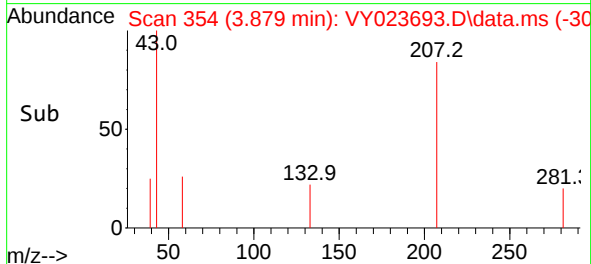
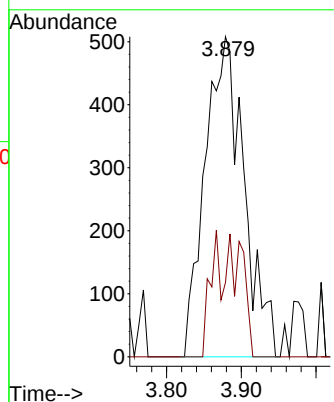
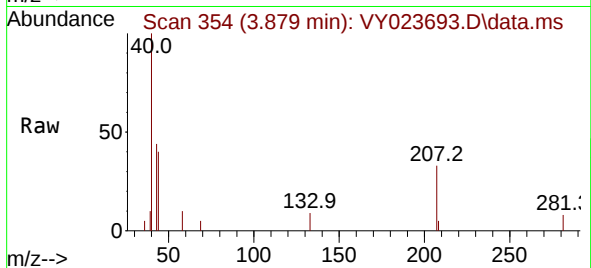




#16
Acetone
Concen: 1.173 ug/l
RT: 3.879 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY023693.D
Acq: 06 Nov 2025 09:13

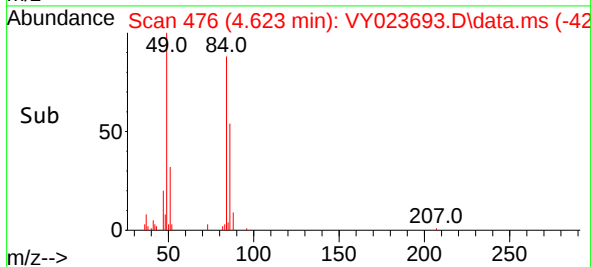
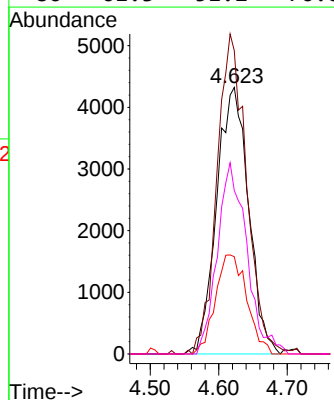
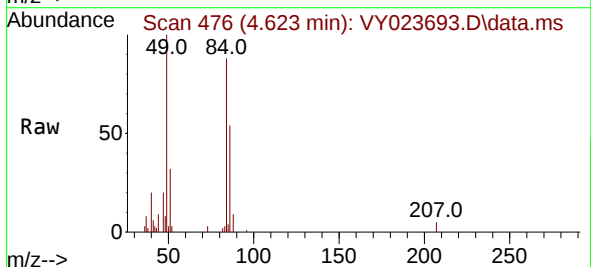
Instrument :
MSVOA_Y
ClientSampleId :
VY1106SBL01

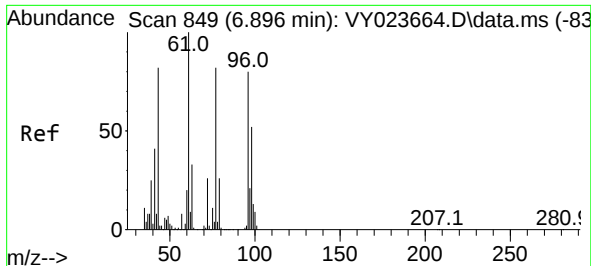
Tgt Ion: 43 Resp: 1840
Ion Ratio Lower Upper
43 100
58 23.2 28.2 42.4#



#20
Methylene Chloride
Concen: 1.847 ug/l
RT: 4.623 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY023693.D
Acq: 06 Nov 2025 09:13

Tgt Ion: 84 Resp: 13985
Ion Ratio Lower Upper
84 100
49 113.8 81.5 122.3
51 36.5 25.5 38.3
86 61.3 51.2 76.8

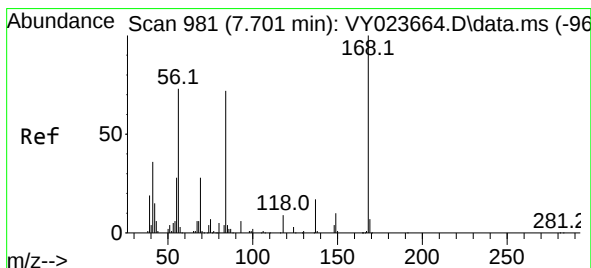
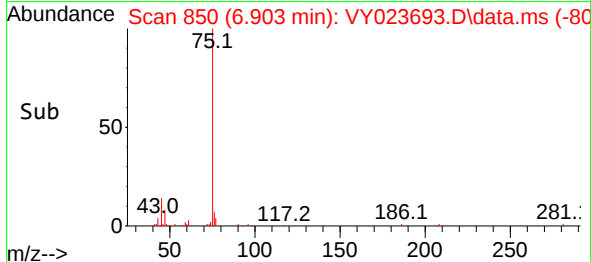
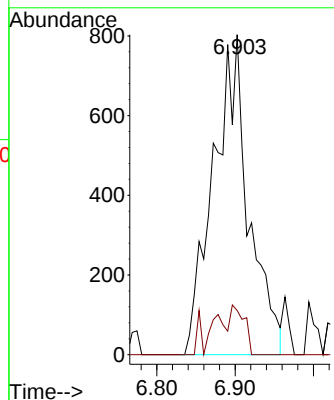
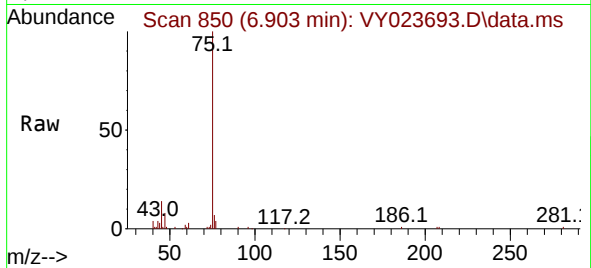




#25
2-Butanone
Concen: 1.386 ug/l
RT: 6.903 min Scan# 849
Delta R.T. 0.006 min
Lab File: VY023693.D
Acq: 06 Nov 2025 09:13

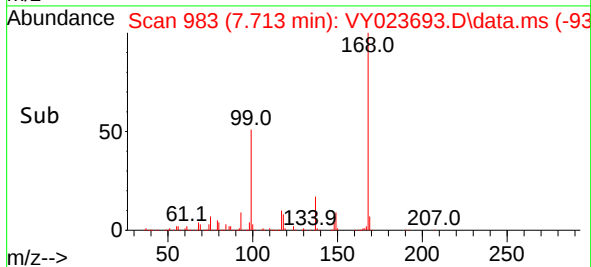
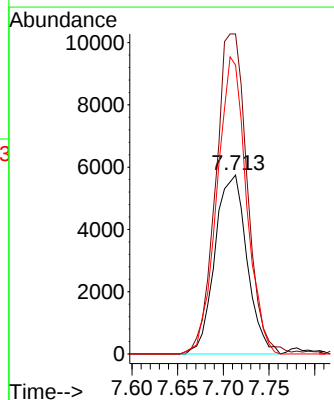
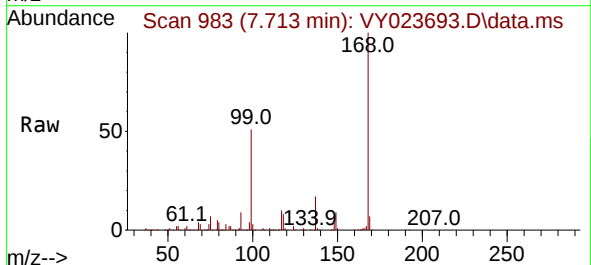
Instrument :
MSVOA_Y
ClientSampleId :
VY1106SBL01

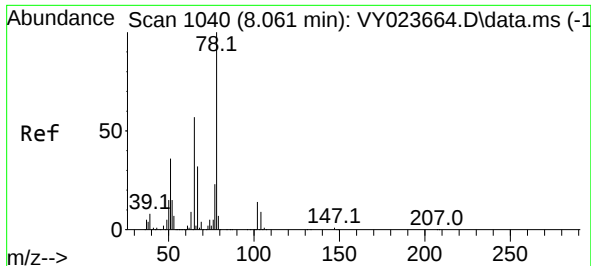
Tgt Ion: 43 Resp: 2513
Ion Ratio Lower Upper
43 100
72 13.8 25.7 38.5#



#31
Cyclohexane
Concen: 1.344 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.012 min
Lab File: VY023693.D
Acq: 06 Nov 2025 09:13

Tgt Ion: 56 Resp: 13978
Ion Ratio Lower Upper
56 100
69 178.9 30.5 45.7#
84 161.4 79.0 118.4#





#33

1,2-Dichloroethane-d4

Concen: 59.731 ug/l

RT: 8.061 min Scan# 11040

Delta R.T. 0.000 min

Lab File: VY023693.D

Acq: 06 Nov 2025 09:13

Instrument :

MSVOA_Y

ClientSampleId :

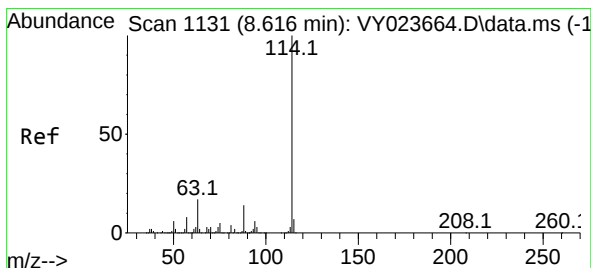
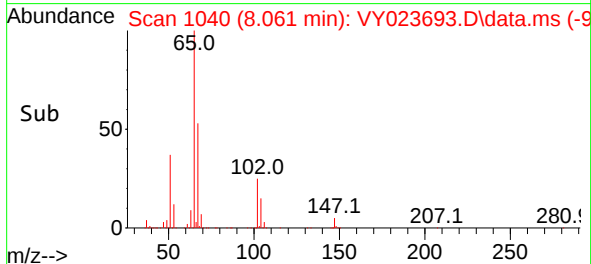
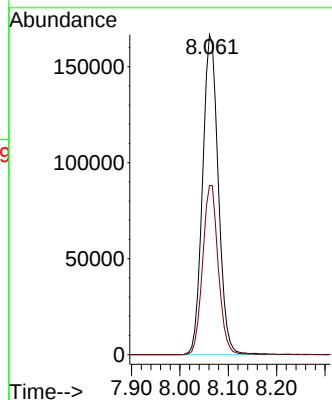
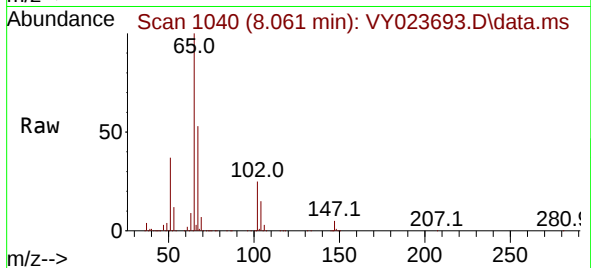
VY1106SBL01

Tgt Ion: 65 Resp: 376910

Ion Ratio Lower Upper

65 100

67 52.5 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: VY023693.D

Acq: 06 Nov 2025 09:13

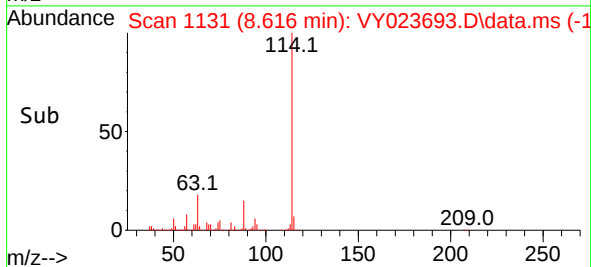
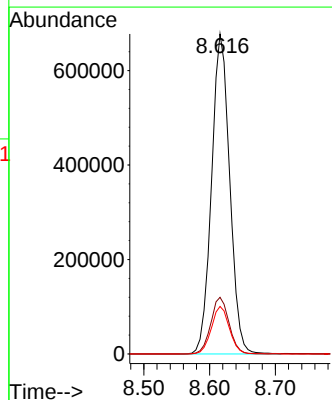
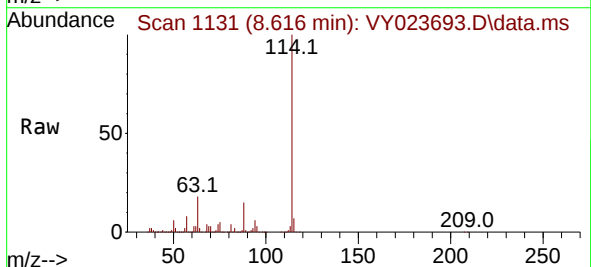
Tgt Ion: 114 Resp: 1301529

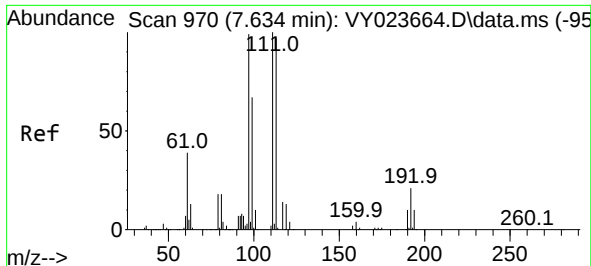
Ion Ratio Lower Upper

114 100

63 17.7 0.0 33.8

88 14.8 0.0 29.0

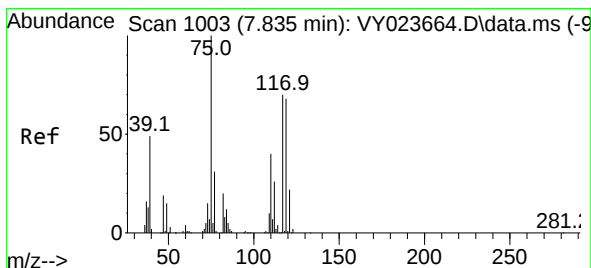
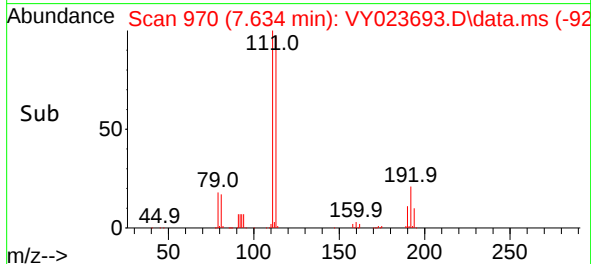
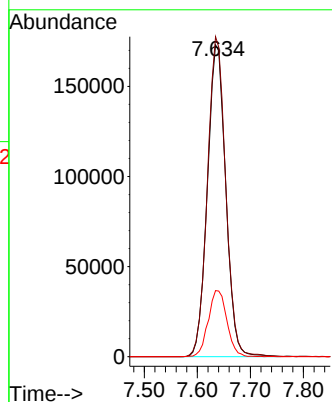
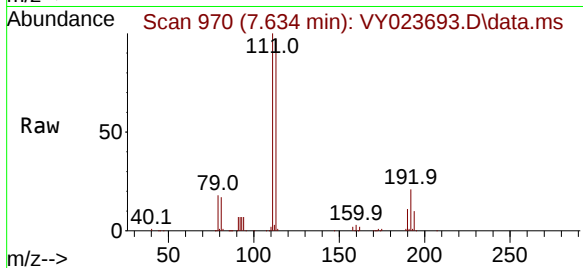




#35
Dibromofluoromethane
Concen: 51.201 ug/l
RT: 7.634 min Scan# 911
Delta R.T. 0.000 min
Lab File: VY023693.D
Acq: 06 Nov 2025 09:13

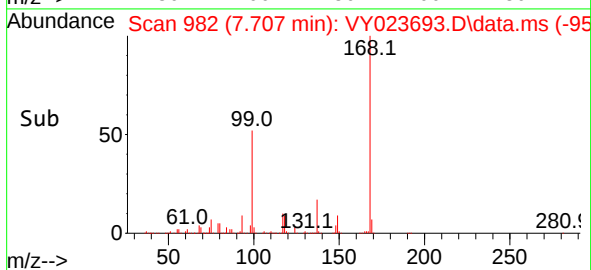
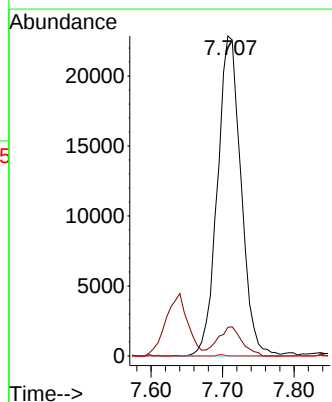
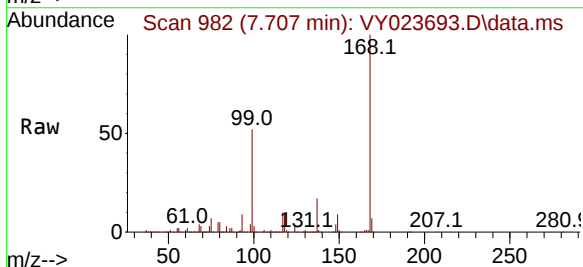
Instrument :
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VY1106SBL01

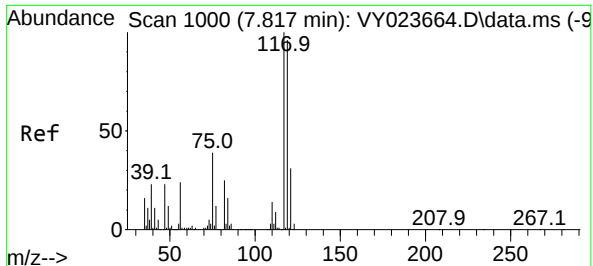
Tgt Ion:113 Resp: 416456
Ion Ratio Lower Upper
113 100
111 102.2 82.2 123.4
192 21.6 17.3 25.9



#36
1,1-Dichloropropene
Concen: 4.826 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY023693.D
Acq: 06 Nov 2025 09:13

Tgt Ion: 75 Resp: 52452
Ion Ratio Lower Upper
75 100
110 9.5 19.7 59.0#
77 0.1 25.2 37.8#

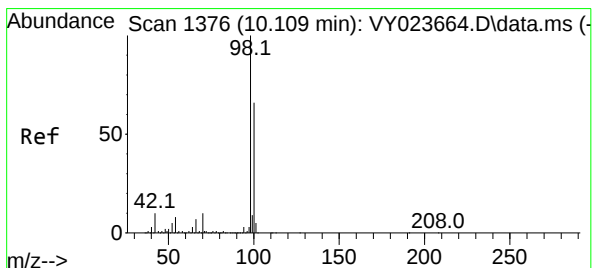
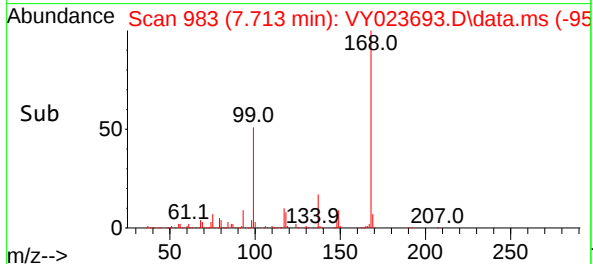
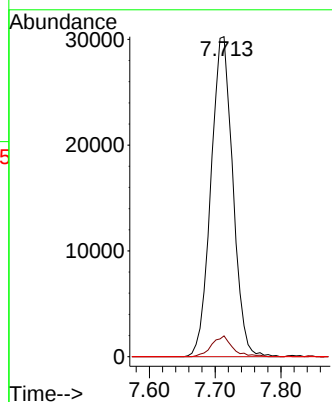
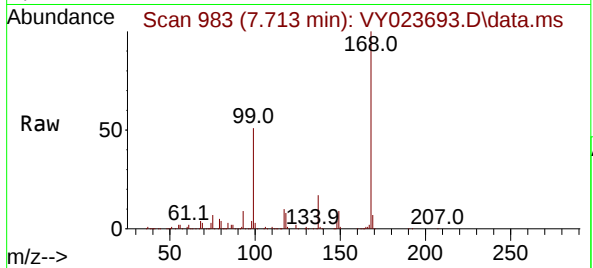




#38
Carbon Tetrachloride
Concen: 5.473 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.103 min
Lab File: VY023693.D
Acq: 06 Nov 2025 09:13

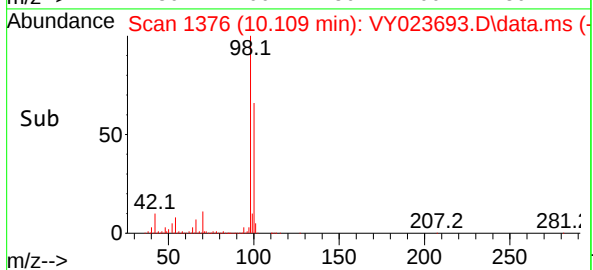
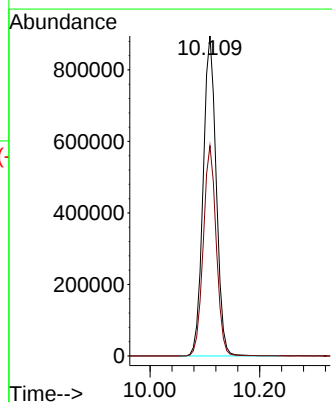
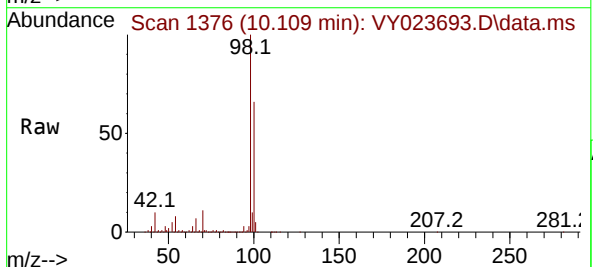
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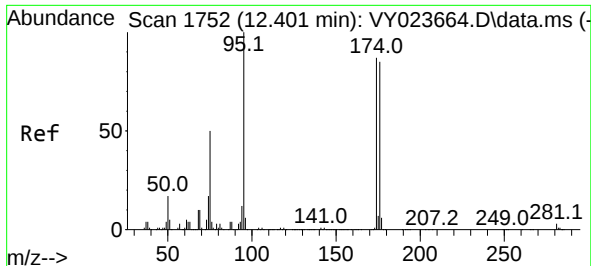
Tgt Ion:117 Resp: 70091
Ion Ratio Lower Upper
117 100
119 6.5 76.3 114.5#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 48.816 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY023693.D
Acq: 06 Nov 2025 09:13

Tgt Ion: 98 Resp: 1479065
Ion Ratio Lower Upper
98 100
100 65.0 52.7 79.1

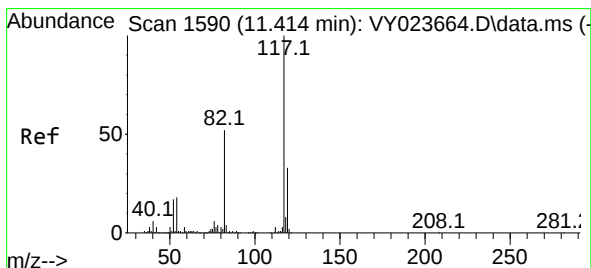
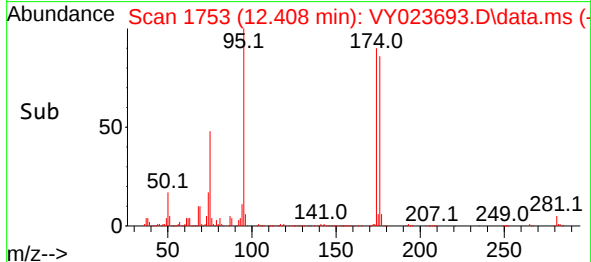
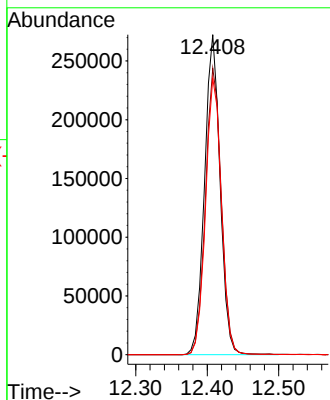
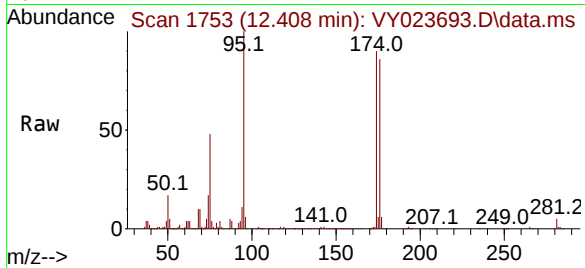




#62
4-Bromofluorobenzene
Concen: 41.907 ug/l
RT: 12.408 min Scan# 1752
Delta R.T. 0.006 min
Lab File: VY023693.D
Acq: 06 Nov 2025 09:13

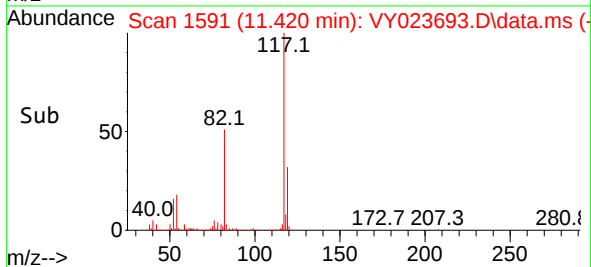
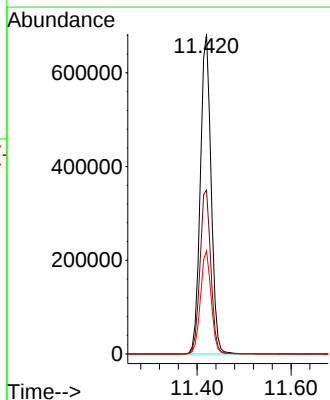
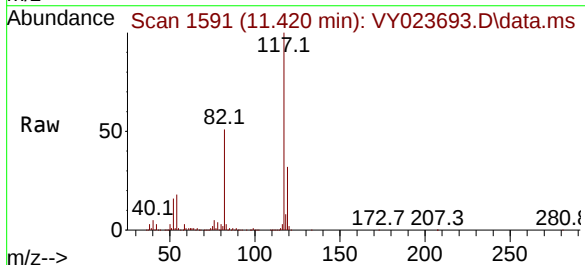
Instrument :
MSVOA_Y
ClientSampleId :
VY1106SBL01

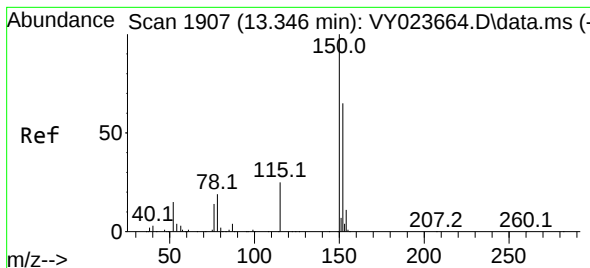
Tgt Ion: 95 Resp: 410618
Ion Ratio Lower Upper
95 100
174 92.0 0.0 184.8
176 88.2 0.0 181.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY023693.D
Acq: 06 Nov 2025 09:13

Tgt Ion: 117 Resp: 1087747
Ion Ratio Lower Upper
117 100
82 51.3 41.2 61.8
119 32.2 26.2 39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY023693.D

Acq: 06 Nov 2025 09:13

Instrument :

MSVOA_Y

ClientSampleId :

VY1106SBL01

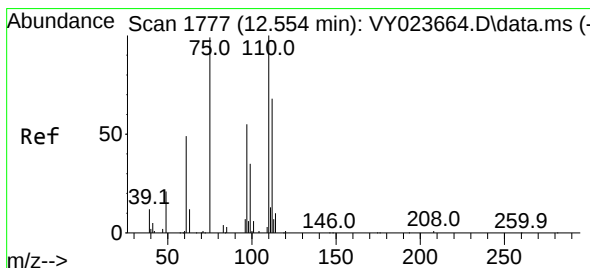
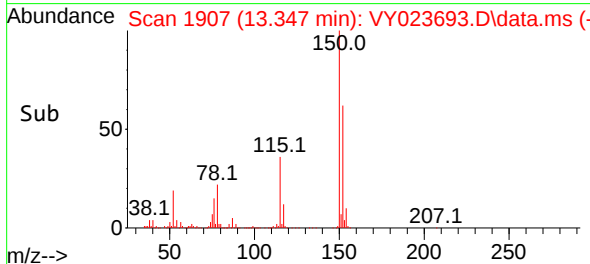
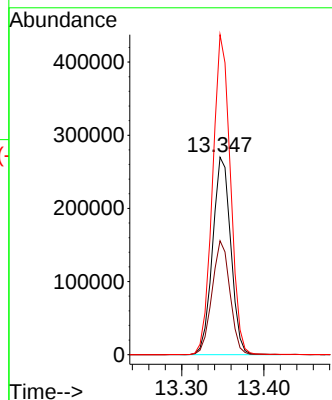
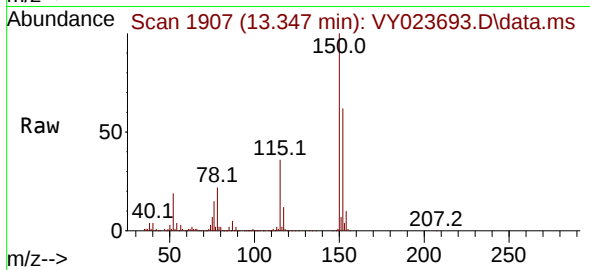
Tgt Ion:152 Resp: 415434

Ion Ratio Lower Upper

152 100

115 56.7 27.5 82.5

150 158.3 0.0 349.0



#76

1,2,3-Trichloropropane

Concen: 59.952 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY023693.D

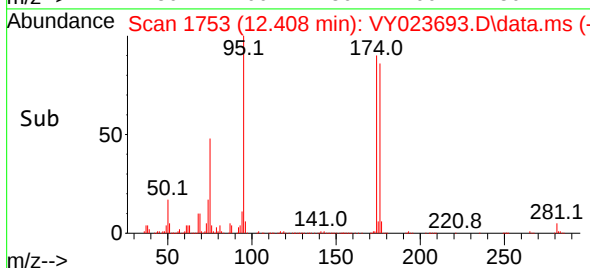
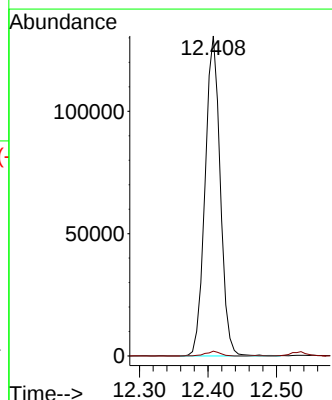
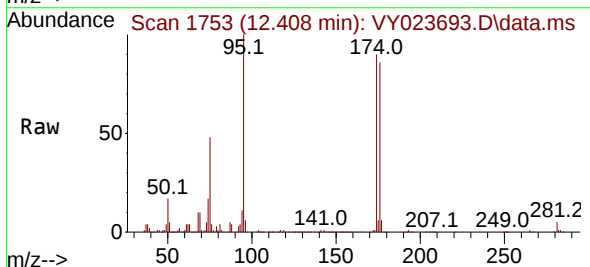
Acq: 06 Nov 2025 09:13

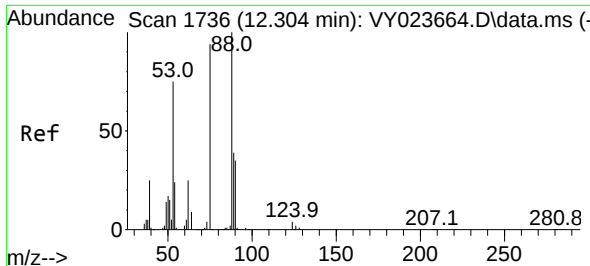
Tgt Ion: 75 Resp: 201567

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#

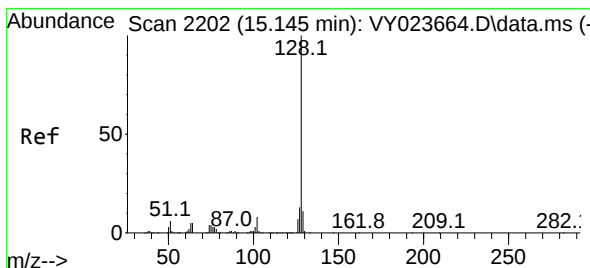
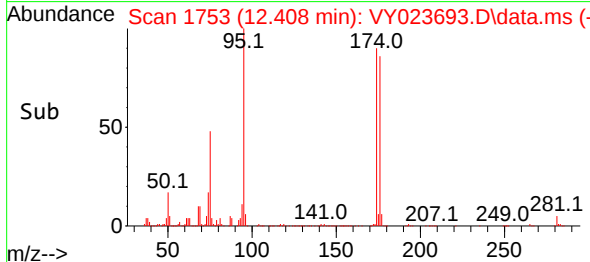
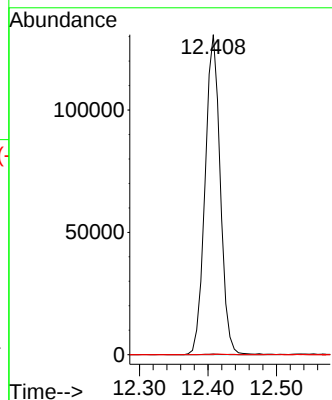
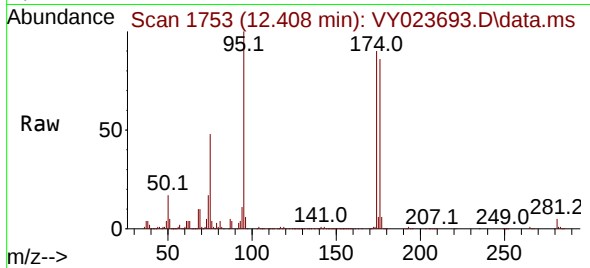




#81
trans-1,4-Dichloro-2-butene
Concen: 135.487 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY023693.D
Acq: 06 Nov 2025 09:13

Instrument :
MSVOA_Y
ClientSampleId :
VY1106SBL01

Tgt Ion: 75 Resp: 201567
Ion Ratio Lower Upper
75 100
53 0.2 69.6 104.4#
89 0.1 38.2 57.4#



#95
Naphthalene
Concen: 5.723 ug/l
RT: 15.145 min Scan# 2202
Delta R.T. 0.000 min
Lab File: VY023693.D
Acq: 06 Nov 2025 09:13

Tgt Ion: 128 Resp: 6299
Ion Ratio Lower Upper
128 100
127 12.8 10.5 15.7
129 12.1 8.8 13.2

