

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110525\
 Data File : VY023683.D
 Acq On : 05 Nov 2025 11:30
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Nov 06 03:27:59 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)

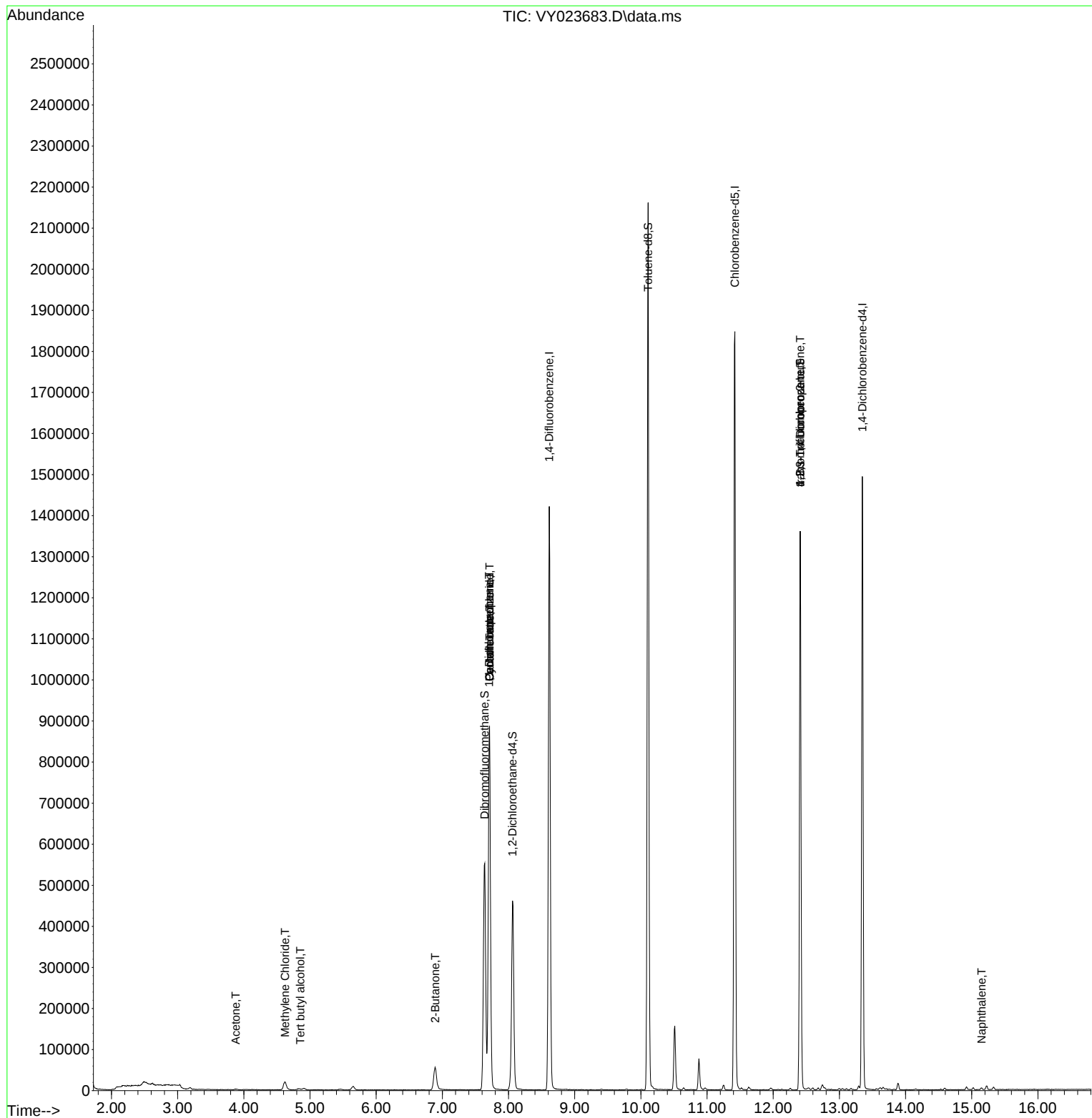
Internal Standards						
1) Pentafluorobenzene	7.713	168	732488	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1245662	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1057061	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	399394	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	355815	56.947	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	113.900%
35) Dibromofluoromethane	7.640	113	399625	51.336	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.680%
50) Toluene-d8	10.109	98	1415623	48.818	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.640%
62) 4-Bromofluorobenzene	12.408	95	391924	41.793	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	83.580%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.854	59	3617	8.978	ug/l #	74
16) Acetone	3.879	43	1982	1.276	ug/l #	56
20) Methylene Chloride	4.622	84	15318	2.043	ug/l	93
25) 2-Butanone	6.890	43	3026	1.685	ug/l #	67
31) Cyclohexane	7.713	56	12916	1.254	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	50839	4.887	ug/l #	48
38) Carbon Tetrachloride	7.713	117	68652	5.601	ug/l #	16
76) 1,2,3-Trichloropropane	12.408	75	194838	60.278	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	194838	136.224	ug/l #	14
95) Naphthalene	15.151	128	4034	5.569	ug/l #	92

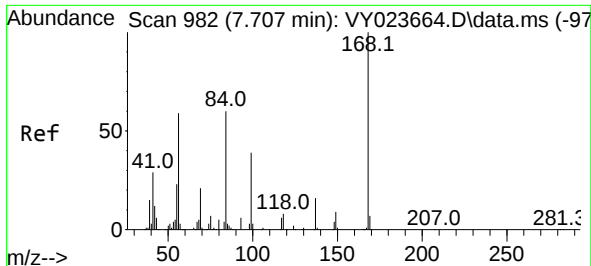
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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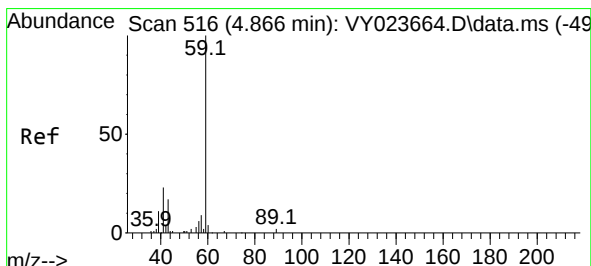
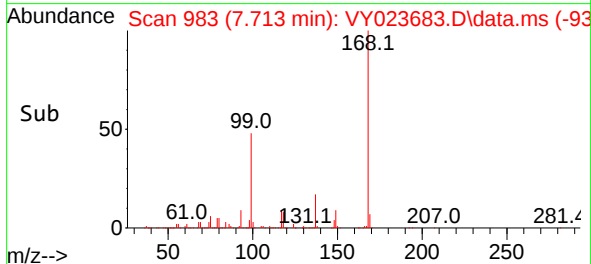
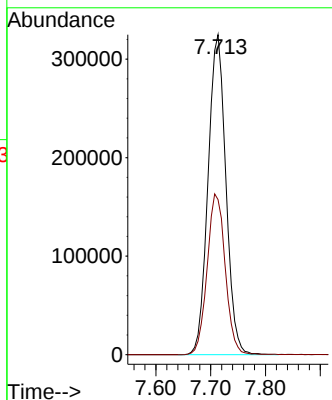
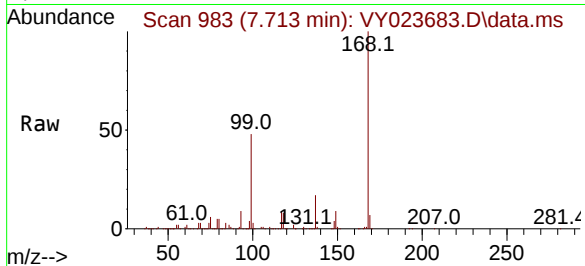




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023683.D
Acq: 05 Nov 2025 11:30

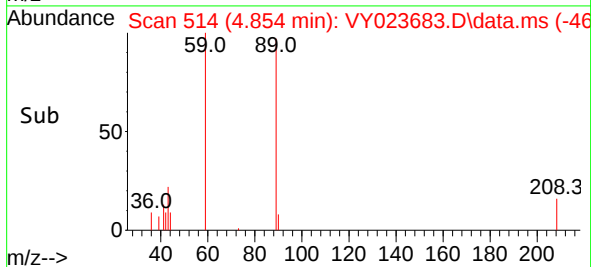
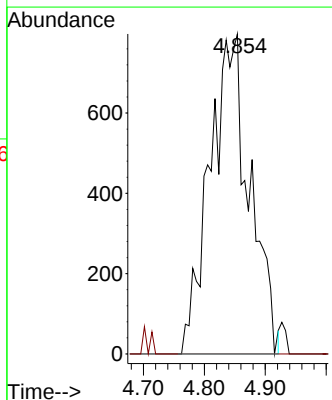
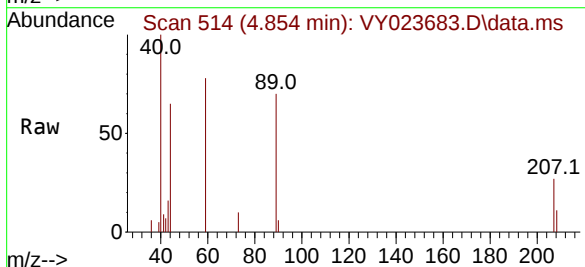
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

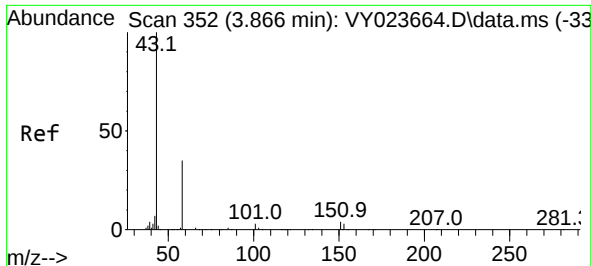
Tgt Ion:168 Resp: 732488
Ion Ratio Lower Upper
168 100
99 48.4 41.0 61.4



#11
Tert butyl alcohol
Concen: 8.978 ug/l
RT: 4.854 min Scan# 514
Delta R.T. -0.012 min
Lab File: VY023683.D
Acq: 05 Nov 2025 11:30

Tgt Ion: 59 Resp: 3617
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

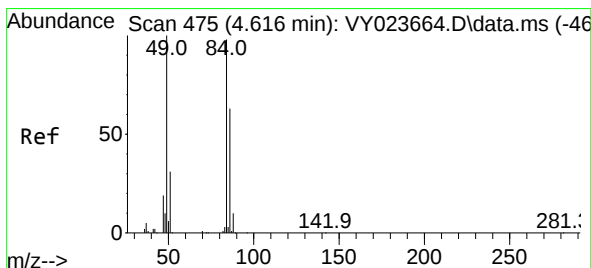
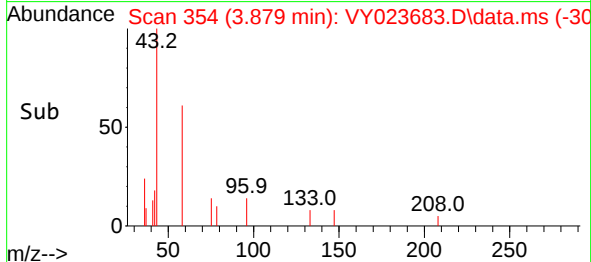
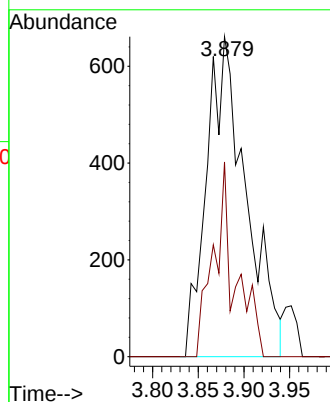
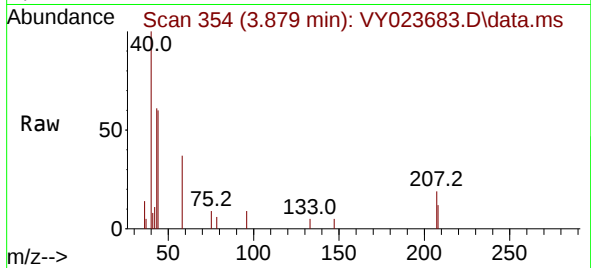




#16
Acetone
Concen: 1.276 ug/l
RT: 3.879 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY023683.D
Acq: 05 Nov 2025 11:30

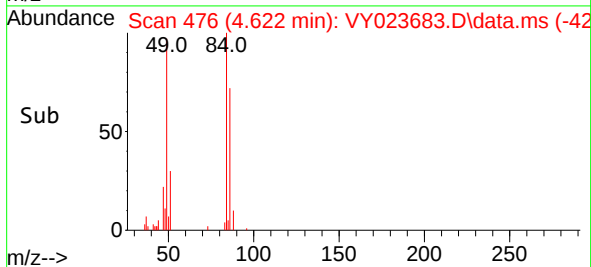
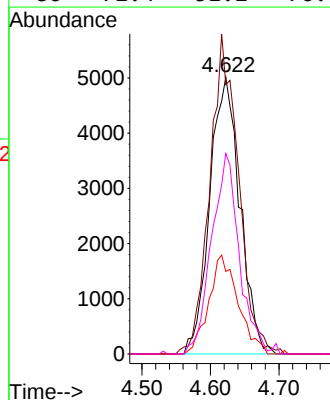
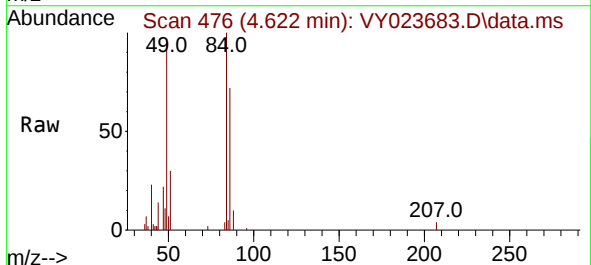
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

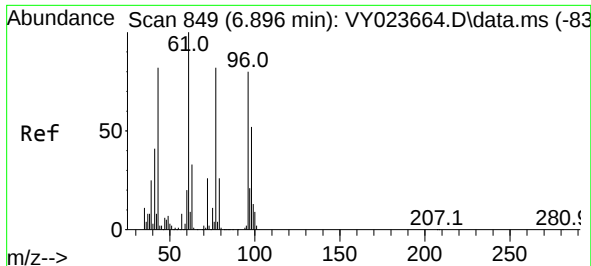
Tgt Ion: 43 Resp: 1982
Ion Ratio Lower Upper
43 100
58 60.8 28.2 42.4#



#20
Methylene Chloride
Concen: 2.043 ug/l
RT: 4.622 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY023683.D
Acq: 05 Nov 2025 11:30

Tgt Ion: 84 Resp: 15318
Ion Ratio Lower Upper
84 100
49 95.8 81.5 122.3
51 29.8 25.5 38.3
86 72.4 51.2 76.8

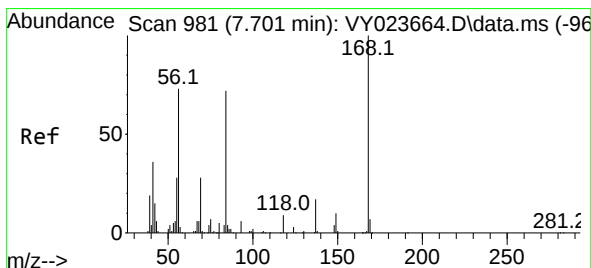
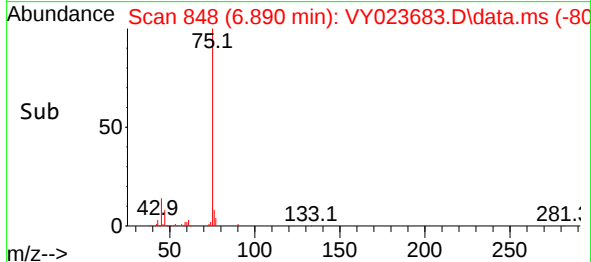
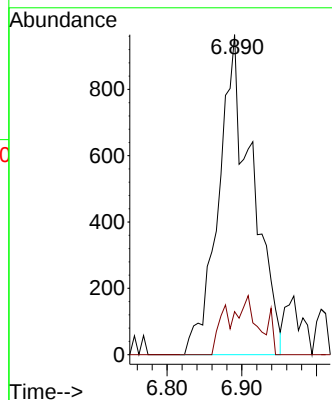
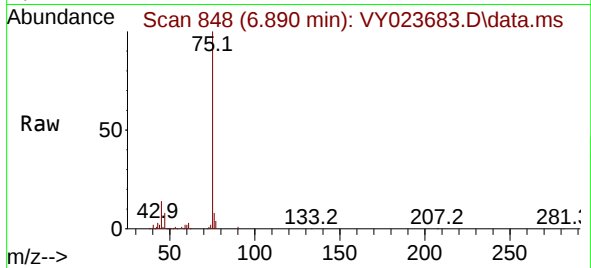




#25
2-Butanone
Concen: 1.685 ug/l
RT: 6.890 min Scan# 849
Delta R.T. -0.006 min
Lab File: VY023683.D
Acq: 05 Nov 2025 11:30

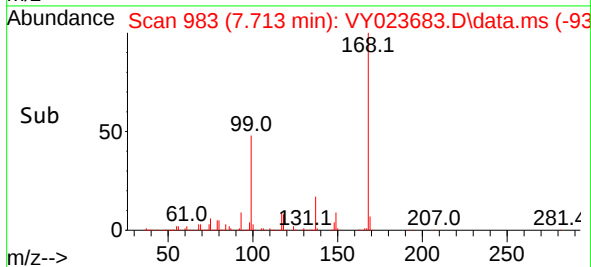
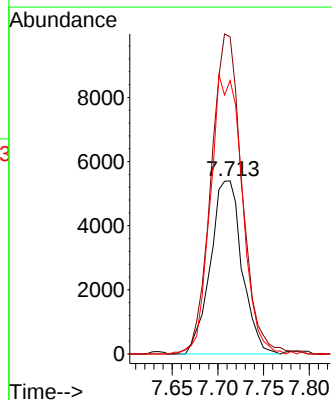
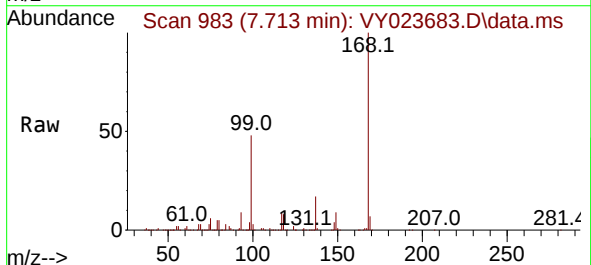
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

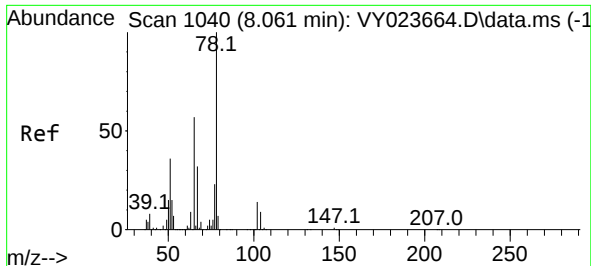
Tgt Ion: 43 Resp: 3026
Ion Ratio Lower Upper
43 100
72 13.5 25.7 38.5#



#31
Cyclohexane
Concen: 1.254 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.012 min
Lab File: VY023683.D
Acq: 05 Nov 2025 11:30

Tgt Ion: 56 Resp: 12916
Ion Ratio Lower Upper
56 100
69 181.9 30.5 45.7#
84 156.9 79.0 118.4#





#33

1,2-Dichloroethane-d4

Concen: 56.947 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY023683.D

Acq: 05 Nov 2025 11:30

Instrument :

MSVOA_Y

ClientSampleId :

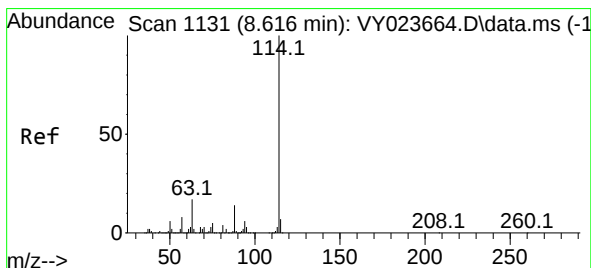
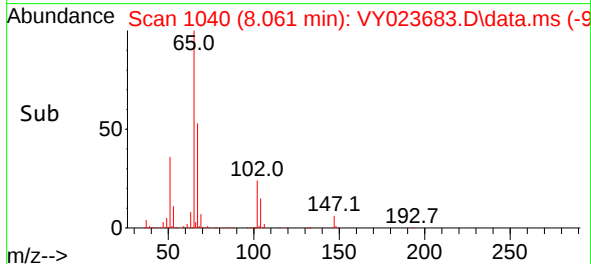
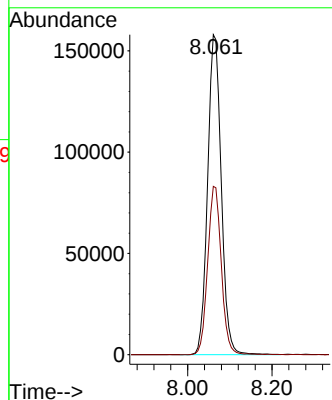
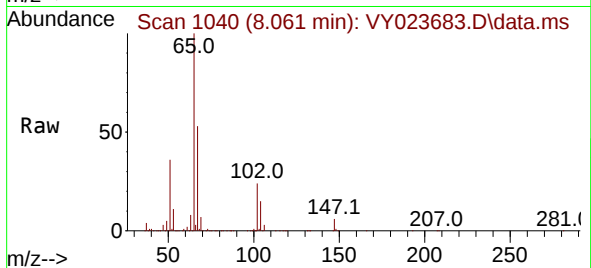
VIBLK

Tgt Ion: 65 Resp: 355815

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: VY023683.D

Acq: 05 Nov 2025 11:30

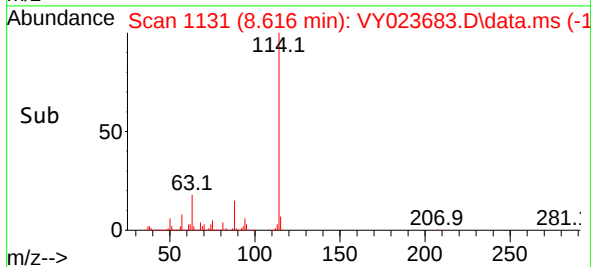
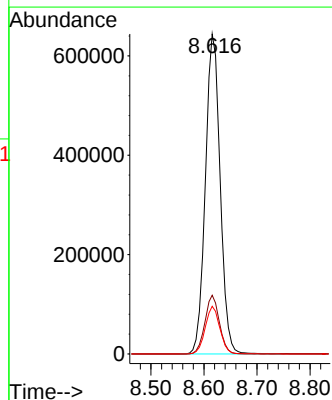
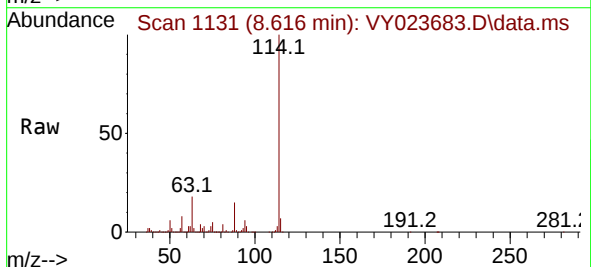
Tgt Ion: 114 Resp: 1245662

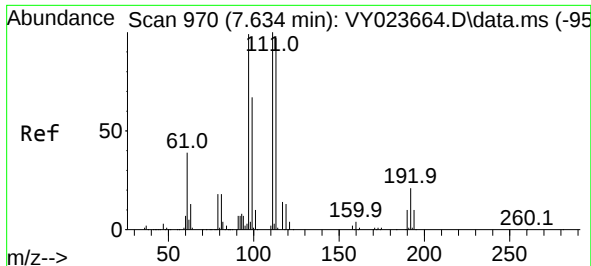
Ion Ratio Lower Upper

114 100

63 18.4 0.0 33.8

88 14.9 0.0 29.0

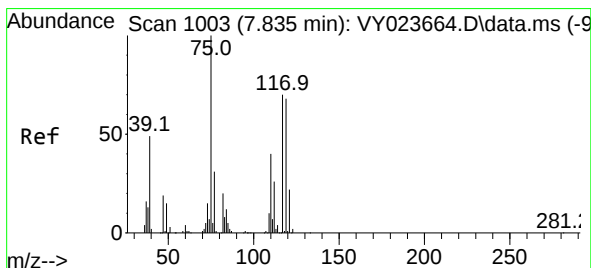
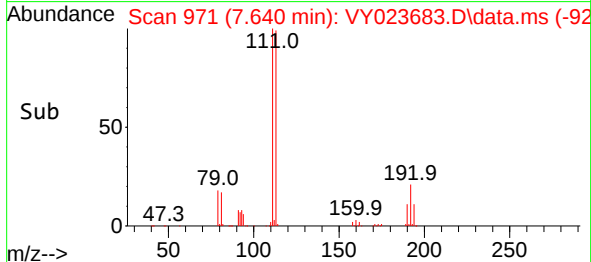
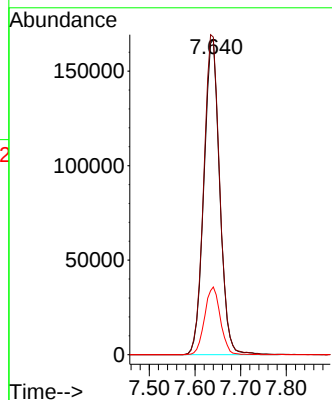
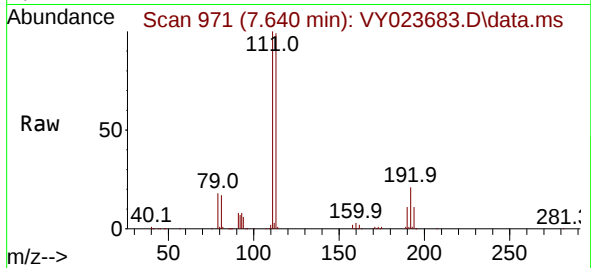




#35
Dibromofluoromethane
Concen: 51.336 ug/l
RT: 7.640 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023683.D
Acq: 05 Nov 2025 11:30

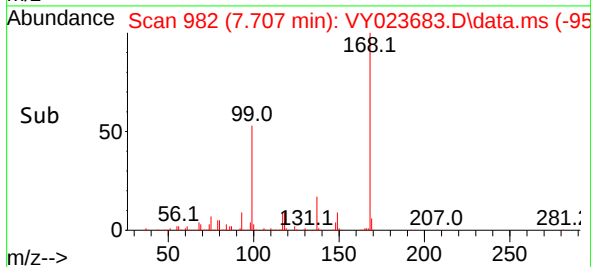
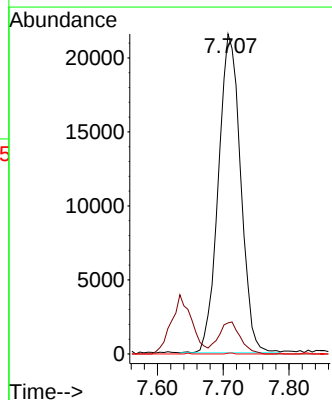
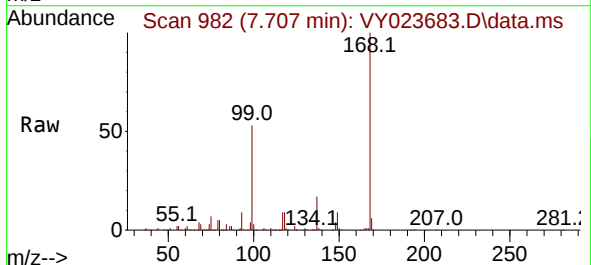
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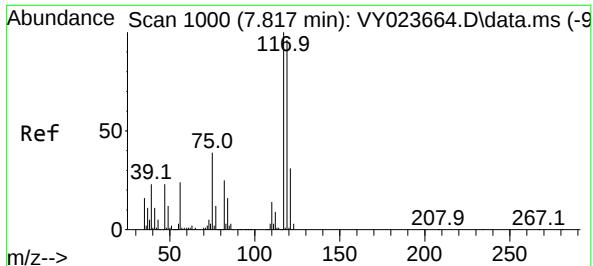
Tgt Ion:113 Resp: 399625
Ion Ratio Lower Upper
113 100
111 102.5 82.2 123.4
192 21.4 17.3 25.9



#36
1,1-Dichloropropene
Concen: 4.887 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY023683.D
Acq: 05 Nov 2025 11:30

Tgt Ion: 75 Resp: 50839
Ion Ratio Lower Upper
75 100
110 9.7 19.7 59.0#
77 0.1 25.2 37.8#

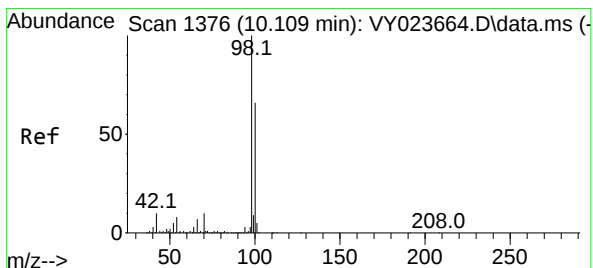
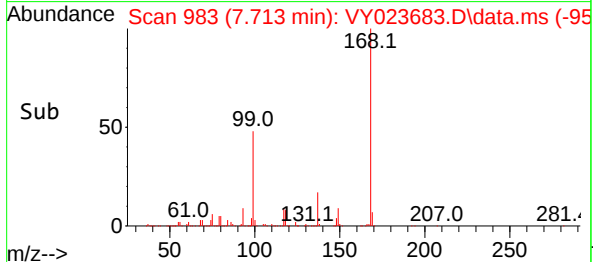
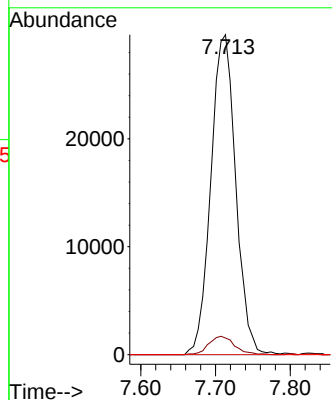
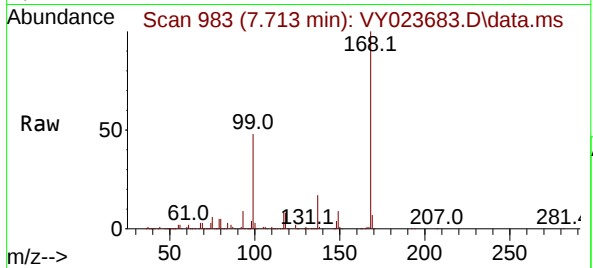




#38
Carbon Tetrachloride
Concen: 5.601 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY023683.D
Acq: 05 Nov 2025 11:30

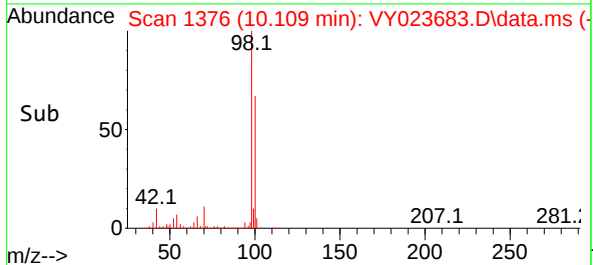
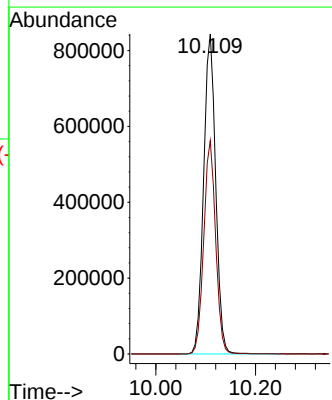
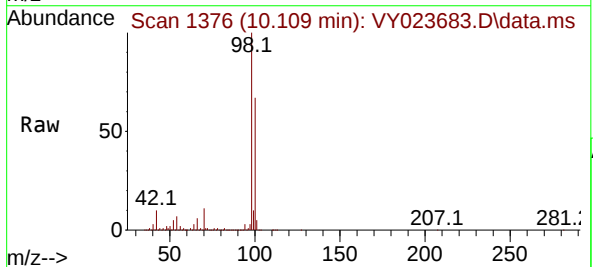
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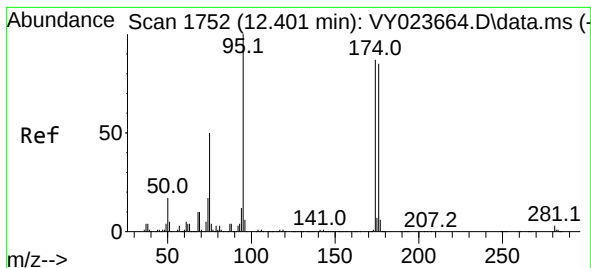
Tgt Ion:117 Resp: 68652
Ion Ratio Lower Upper
117 100
119 5.2 76.3 114.5#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 48.818 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY023683.D
Acq: 05 Nov 2025 11:30

Tgt Ion: 98 Resp: 1415623
Ion Ratio Lower Upper
98 100
100 65.7 52.7 79.1

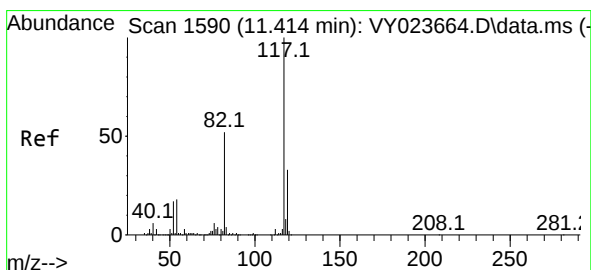
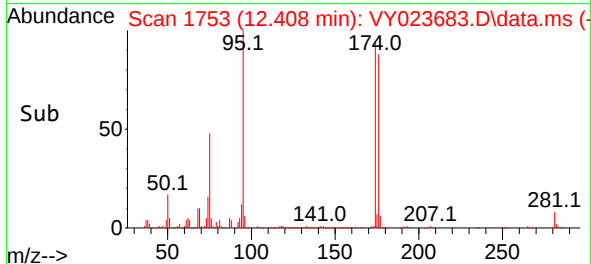
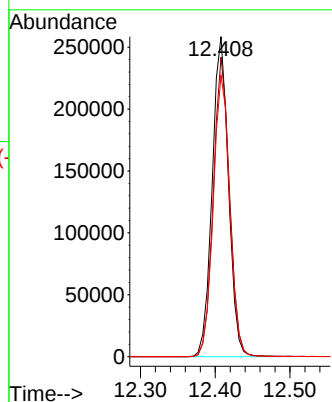
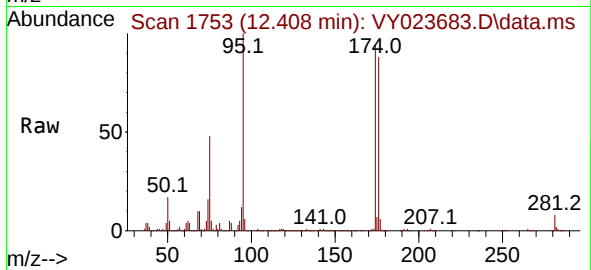




#62
4-Bromofluorobenzene
Concen: 41.793 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023683.D
Acq: 05 Nov 2025 11:30

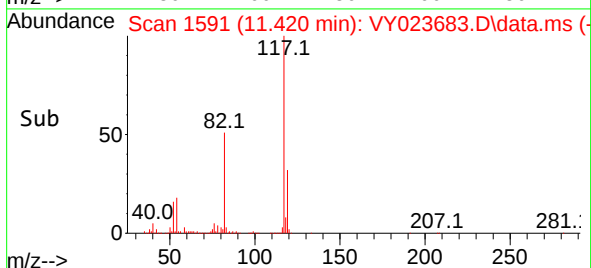
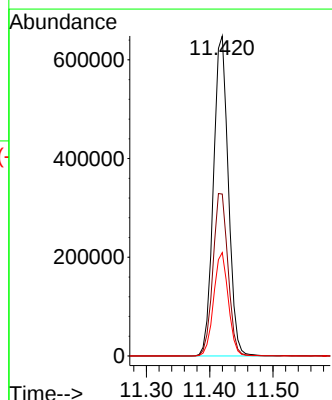
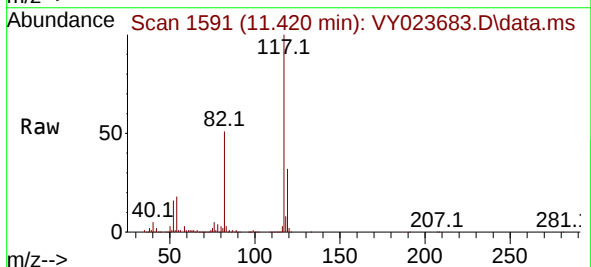
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

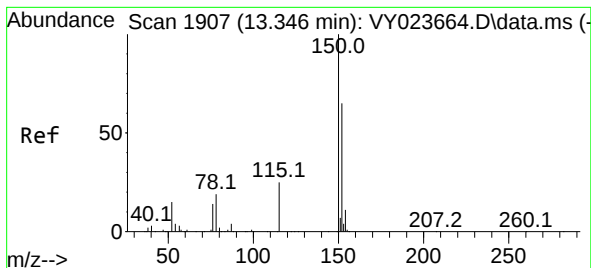
Tgt Ion: 95 Resp: 391924
Ion Ratio Lower Upper
95 100
174 93.7 0.0 184.8
176 89.8 0.0 181.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY023683.D
Acq: 05 Nov 2025 11:30

Tgt Ion: 117 Resp: 1057061
Ion Ratio Lower Upper
117 100
82 50.6 41.2 61.8
119 32.3 26.2 39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY023683.D

Acq: 05 Nov 2025 11:30

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

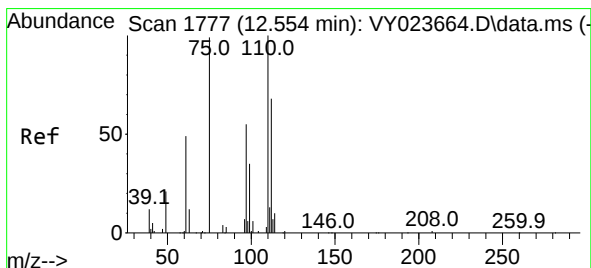
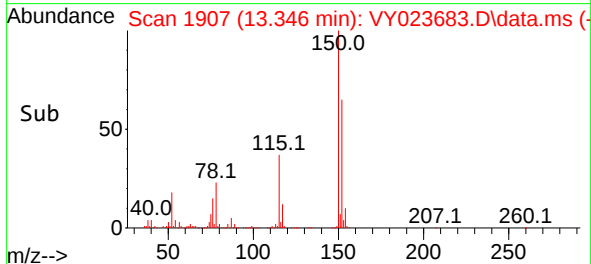
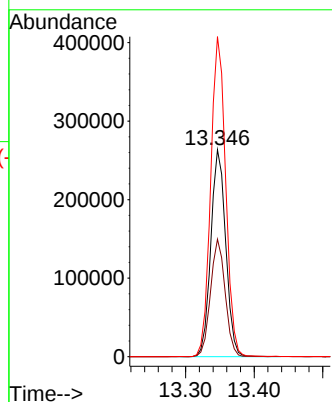
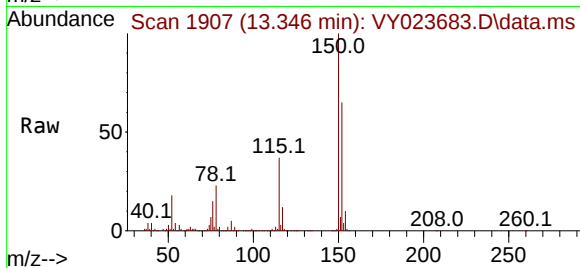
Tgt Ion:152 Resp: 399394

Ion Ratio Lower Upper

152 100

115 55.7 27.5 82.5

150 155.1 0.0 349.0



#76

1,2,3-Trichloropropane

Concen: 60.278 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY023683.D

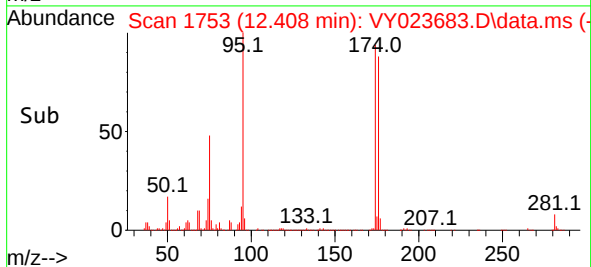
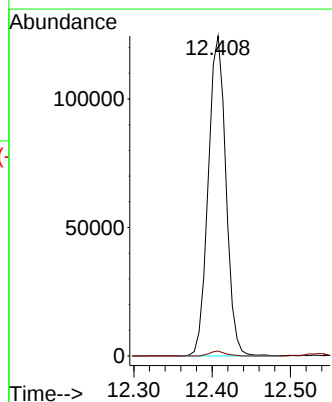
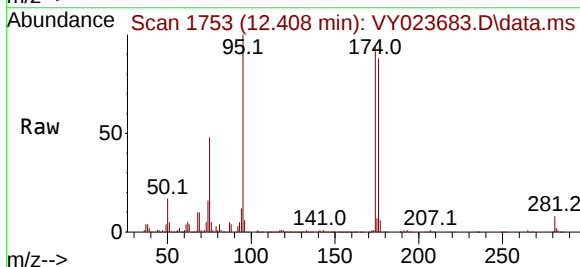
Acq: 05 Nov 2025 11:30

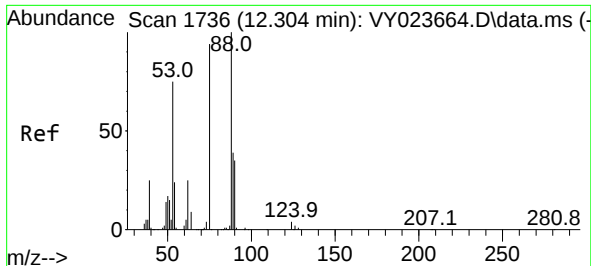
Tgt Ion: 75 Resp: 194838

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#

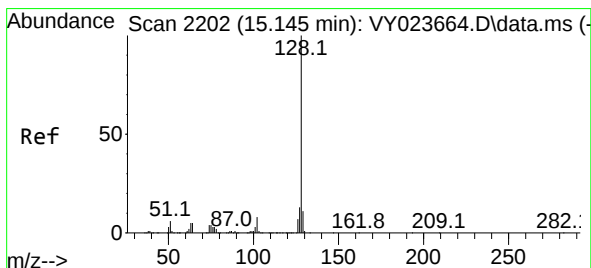
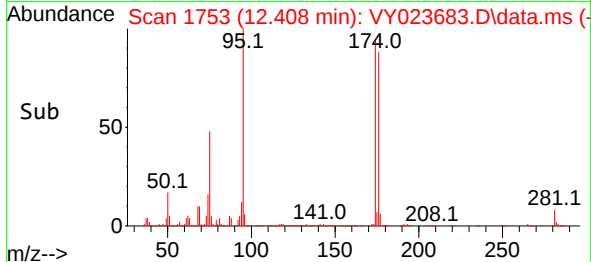
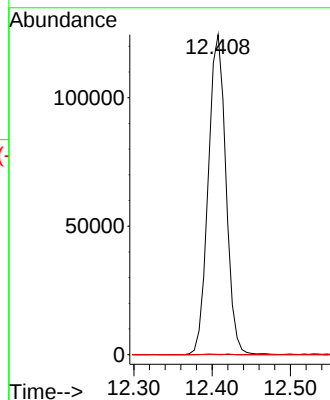
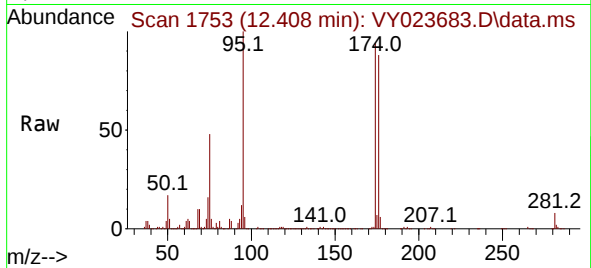




#81
trans-1,4-Dichloro-2-butene
Concen: 136.224 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY023683.D
Acq: 05 Nov 2025 11:30

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Tgt Ion: 75 Resp: 194838
Ion Ratio Lower Upper
75 100
53 0.2 69.6 104.4#
89 0.1 38.2 57.4#



#95
Naphthalene
Concen: 5.569 ug/l
RT: 15.151 min Scan# 2203
Delta R.T. 0.006 min
Lab File: VY023683.D
Acq: 05 Nov 2025 11:30

Tgt Ion:128 Resp: 4034
Ion Ratio Lower Upper
128 100
127 10.0 10.5 15.7#
129 7.4 8.8 13.2#

