

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111325\
 Data File : VY023783.D
 Acq On : 13 Nov 2025 13:57
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Nov 14 04:26:31 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	7.707	168	745081	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1310727	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1104856	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	531869	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	374203	58.877	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	117.760%
35) Dibromofluoromethane	7.634	113	422201	51.543	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.080%
50) Toluene-d8	10.103	98	1486043	48.703	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.400%
62) 4-Bromofluorobenzene	12.402	95	438074	44.395	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	88.800%

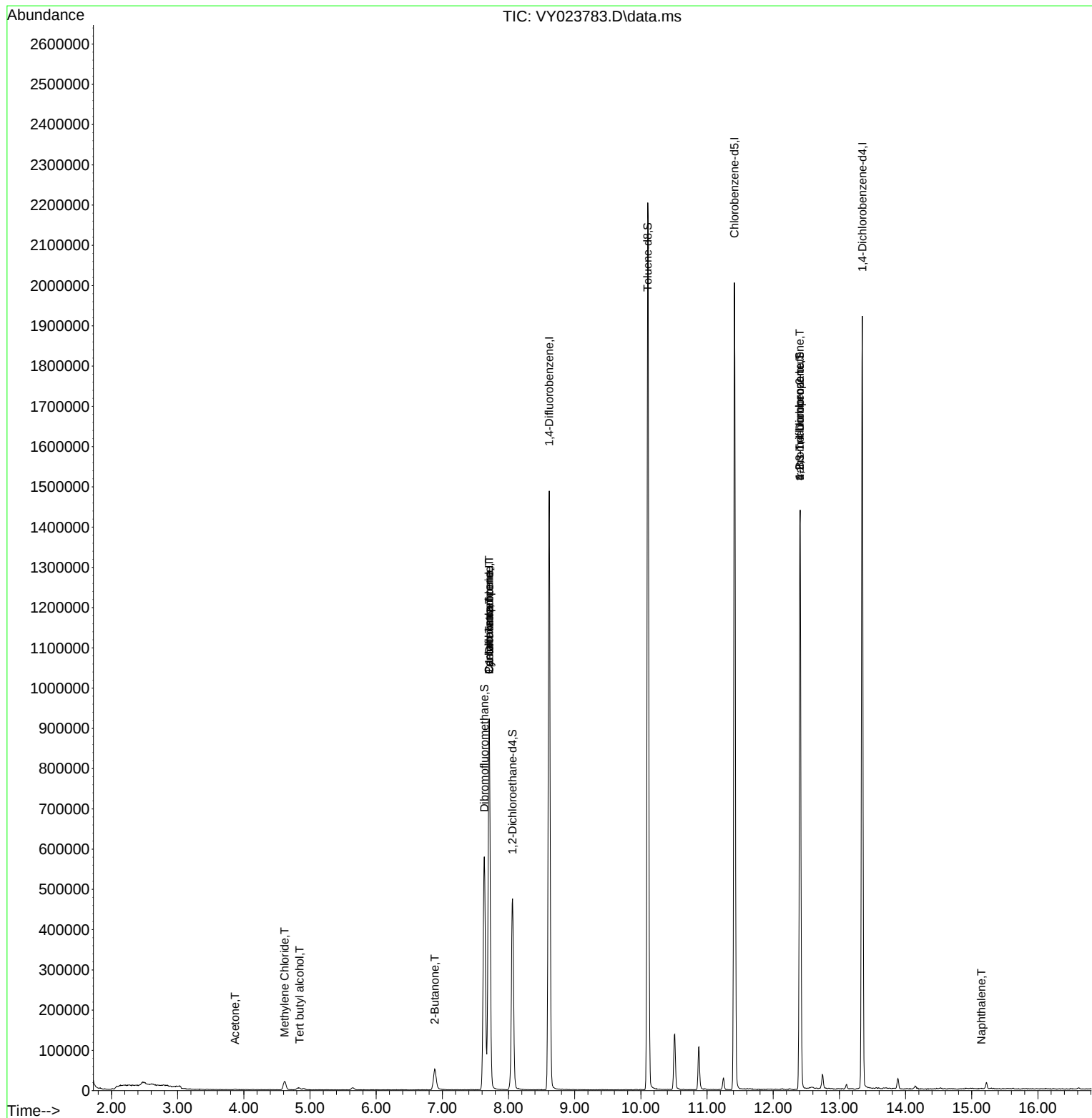
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.842	59	5154	12.576	ug/l #	74
16) Acetone	3.867	43	1699	1.075	ug/l #	84
20) Methylene Chloride	4.616	84	16974	2.226	ug/l	92
25) 2-Butanone	6.884	43	2828	1.548	ug/l #	63
31) Cyclohexane	7.707	56	12777	1.220	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	53585	4.896	ug/l #	48
38) Carbon Tetrachloride	7.707	117	70758	5.487	ug/l #	16
76) 1,2,3-Trichloropropane	12.402	75	213072	49.500	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	213072	111.867	ug/l #	14
95) Naphthalene	15.145	128	939	5.316	ug/l #	73

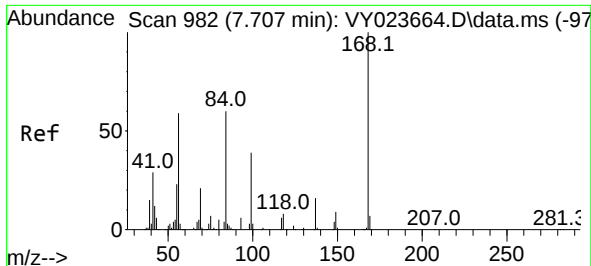
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111325\
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Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
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Instrument :
MSVOA_Y
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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

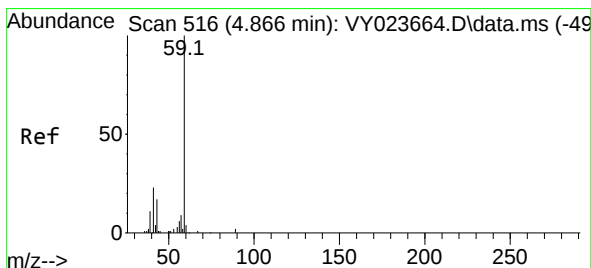
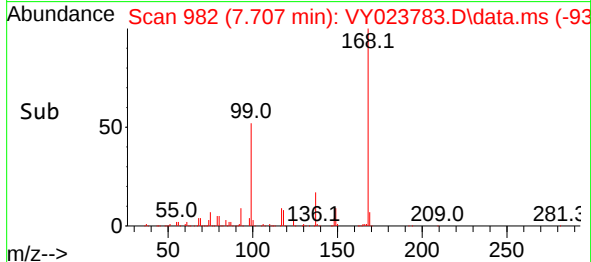
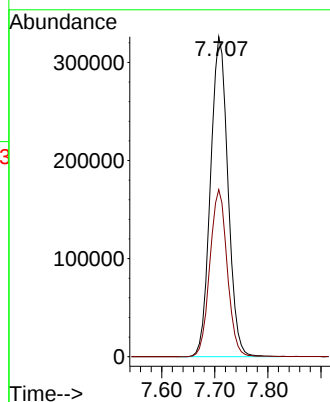
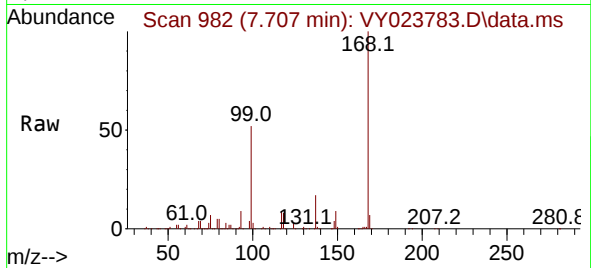




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023783.D
Acq: 13 Nov 2025 13:57

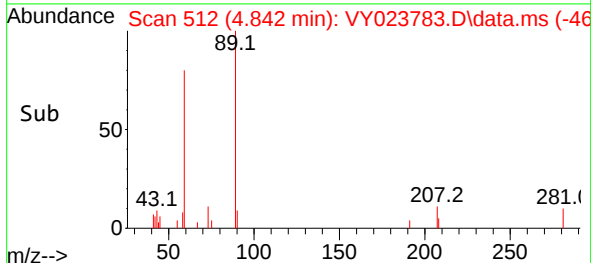
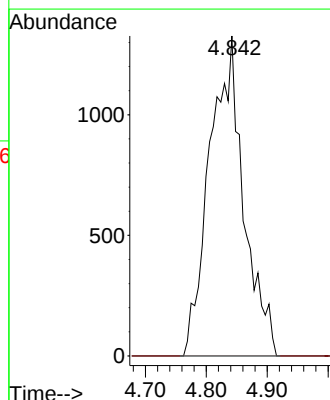
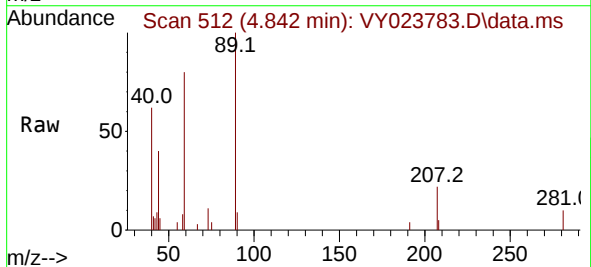
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

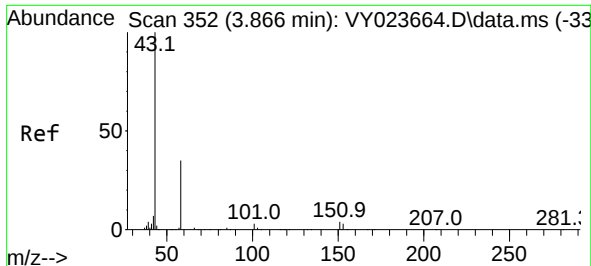
Tgt Ion:168 Resp: 745081
Ion Ratio Lower Upper
168 100
99 52.2 41.0 61.4



#11
Tert butyl alcohol
Concen: 12.576 ug/l
RT: 4.842 min Scan# 512
Delta R.T. -0.024 min
Lab File: VY023783.D
Acq: 13 Nov 2025 13:57

Tgt Ion: 59 Resp: 5154
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

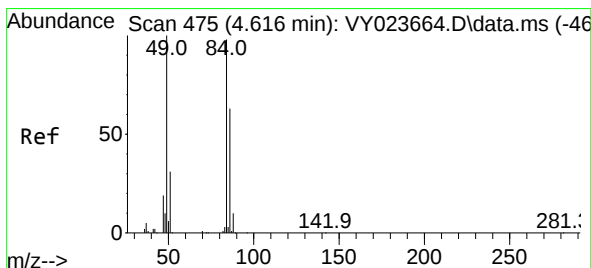
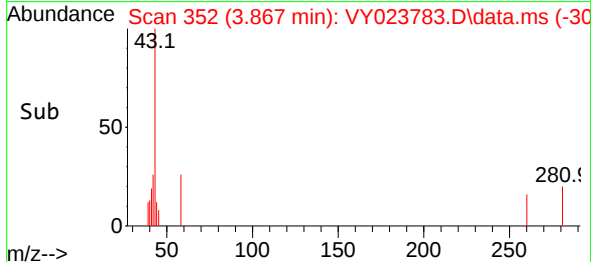
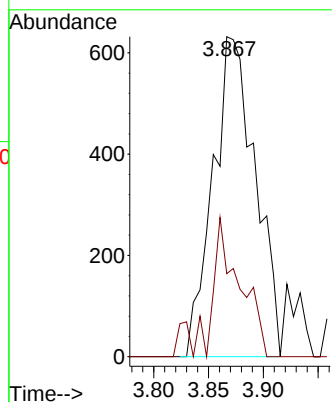
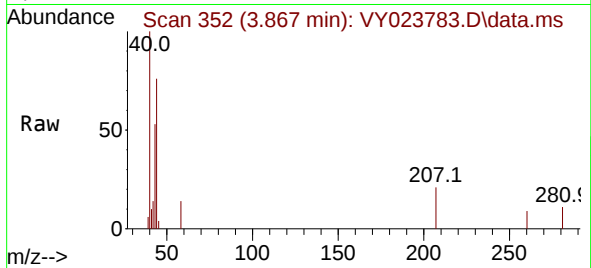




#16
Acetone
Concen: 1.075 ug/l
RT: 3.867 min Scan# 352
Delta R.T. 0.000 min
Lab File: VY023783.D
Acq: 13 Nov 2025 13:57

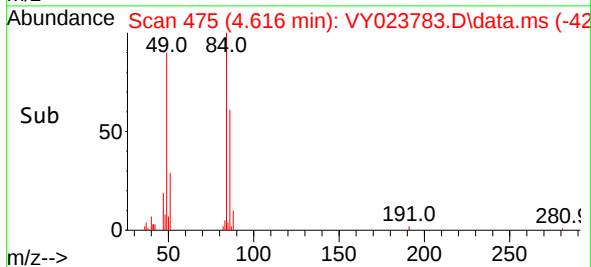
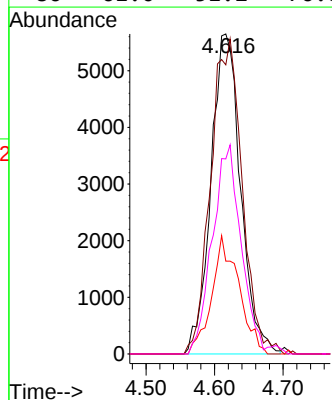
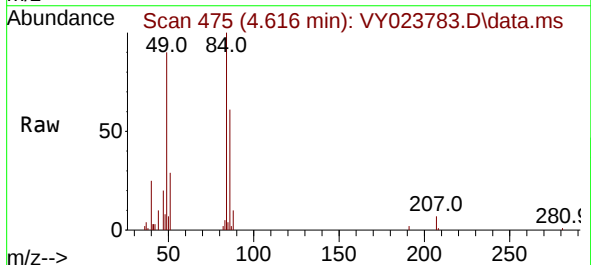
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

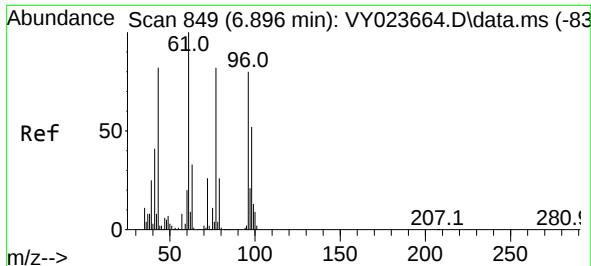
Tgt Ion: 43 Resp: 1699
Ion Ratio Lower Upper
43 100
58 25.9 28.2 42.4#



#20
Methylene Chloride
Concen: 2.226 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY023783.D
Acq: 13 Nov 2025 13:57

Tgt Ion: 84 Resp: 16974
Ion Ratio Lower Upper
84 100
49 90.4 81.5 122.3
51 29.0 25.5 38.3
86 61.0 51.2 76.8

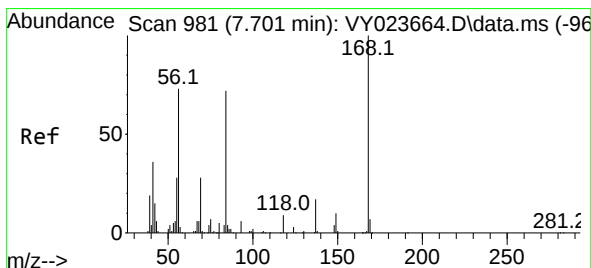
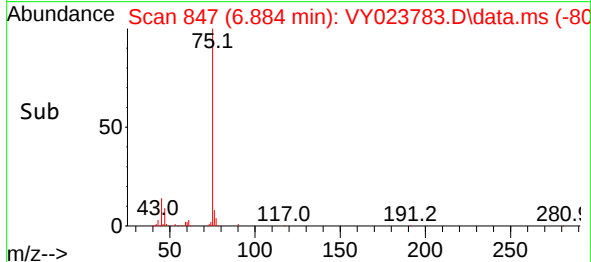
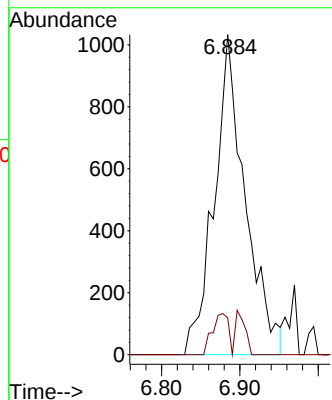
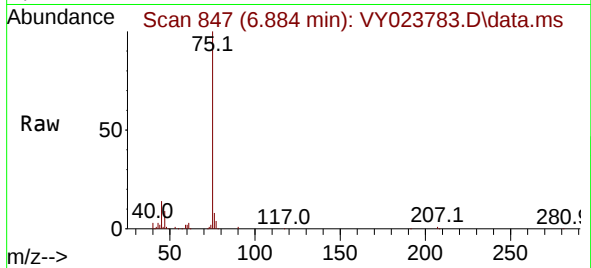




#25
2-Butanone
Concen: 1.548 ug/l
RT: 6.884 min Scan# 849
Delta R.T. -0.012 min
Lab File: VY023783.D
Acq: 13 Nov 2025 13:57

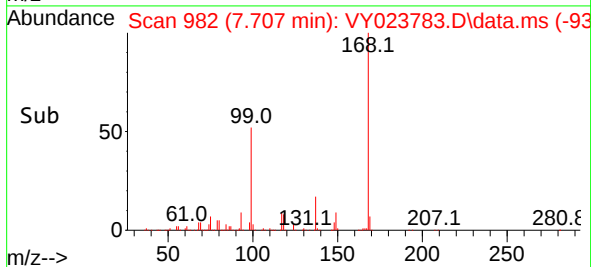
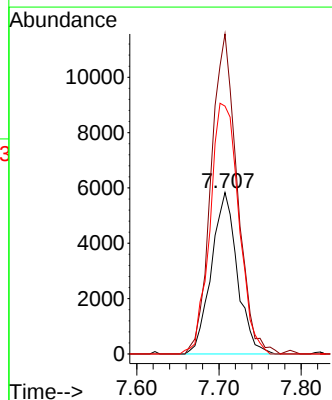
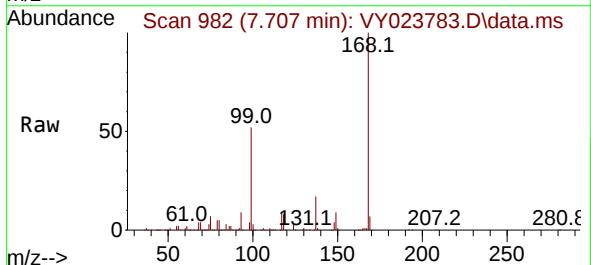
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

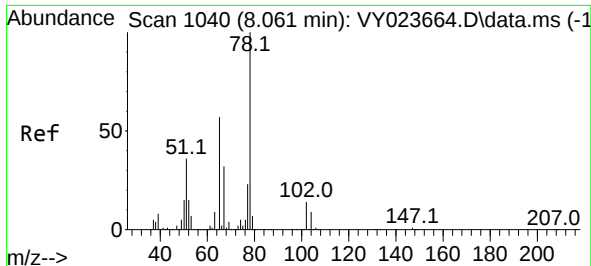
Tgt Ion: 43 Resp: 2828
Ion Ratio Lower Upper
43 100
72 11.5 25.7 38.5#



#31
Cyclohexane
Concen: 1.220 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY023783.D
Acq: 13 Nov 2025 13:57

Tgt Ion: 56 Resp: 12777
Ion Ratio Lower Upper
56 100
69 198.2 30.5 45.7#
84 153.5 79.0 118.4#





#33

1,2-Dichloroethane-d4

Concen: 58.877 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY023783.D

Acq: 13 Nov 2025 13:57

Instrument :

MSVOA_Y

ClientSampleId :

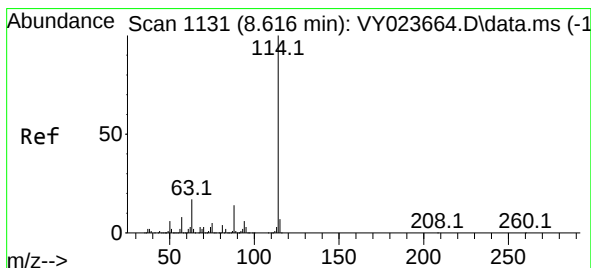
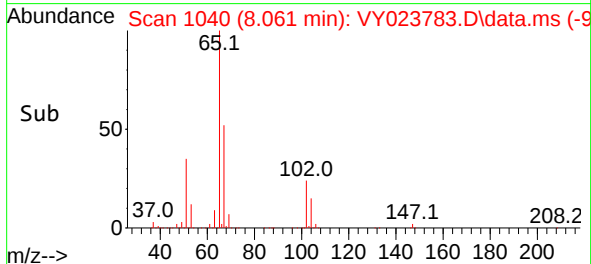
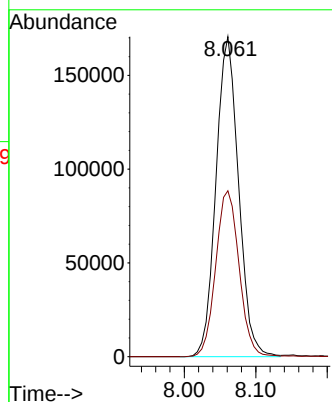
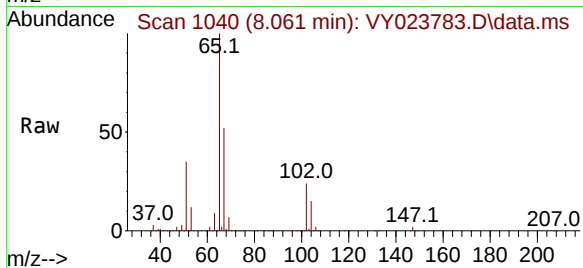
VIBLK

Tgt Ion: 65 Resp: 374203

Ion Ratio Lower Upper

65 100

67 53.8 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: VY023783.D

Acq: 13 Nov 2025 13:57

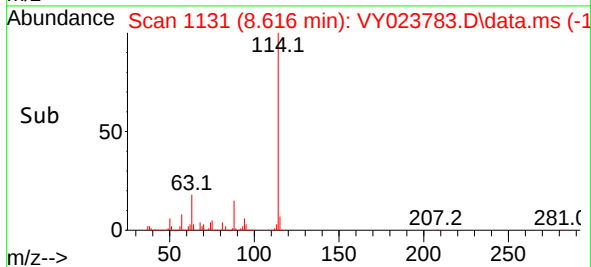
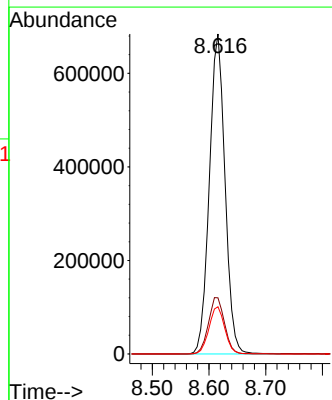
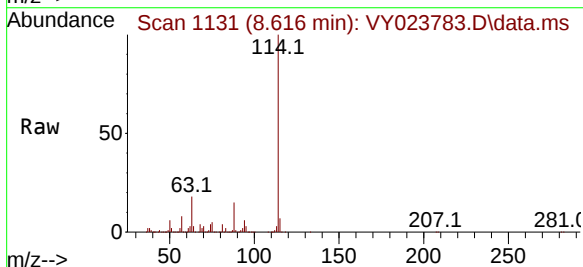
Tgt Ion: 114 Resp: 1310727

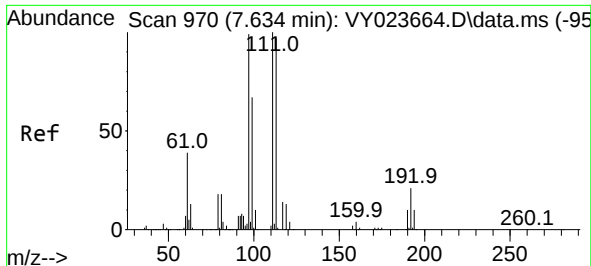
Ion Ratio Lower Upper

114 100

63 17.5 0.0 33.8

88 14.8 0.0 29.0

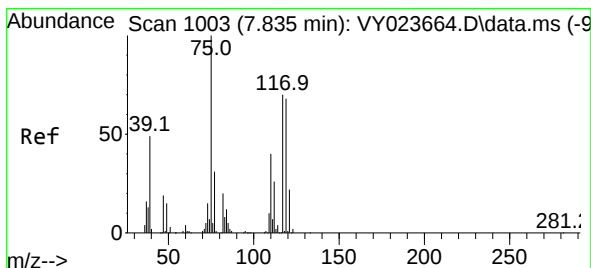
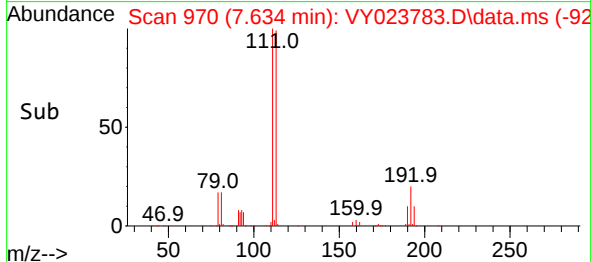
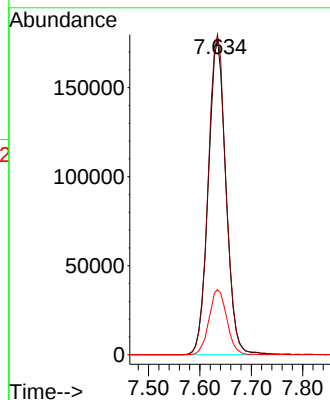
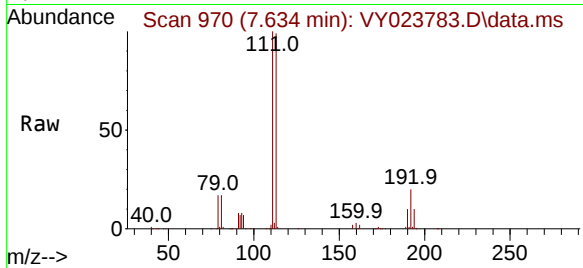




#35
Dibromofluoromethane
Concen: 51.543 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023783.D
Acq: 13 Nov 2025 13:57

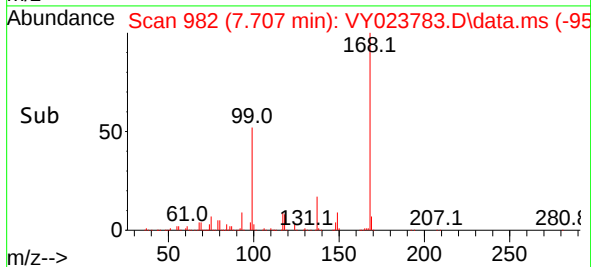
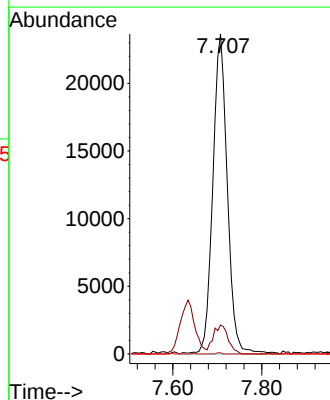
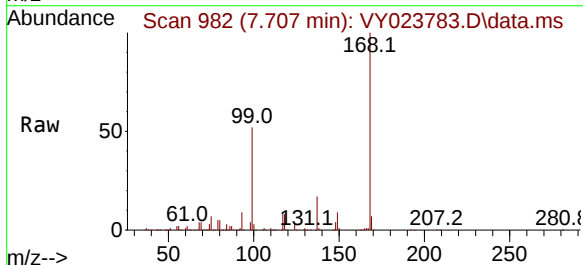
Instrument :
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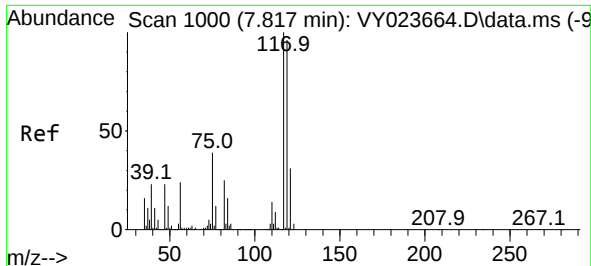
Tgt Ion:113 Resp: 422201
Ion Ratio Lower Upper
113 100
111 102.2 82.2 123.4
192 20.8 17.3 25.9



#36
1,1-Dichloropropene
Concen: 4.896 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY023783.D
Acq: 13 Nov 2025 13:57

Tgt Ion: 75 Resp: 53585
Ion Ratio Lower Upper
75 100
110 9.2 19.7 59.0#
77 0.1 25.2 37.8#

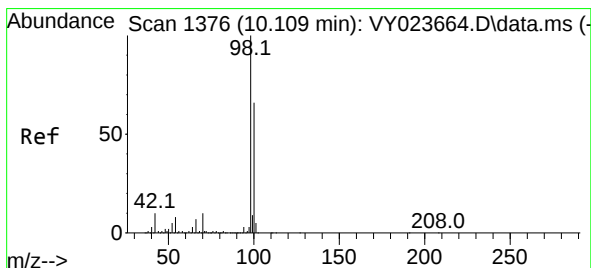
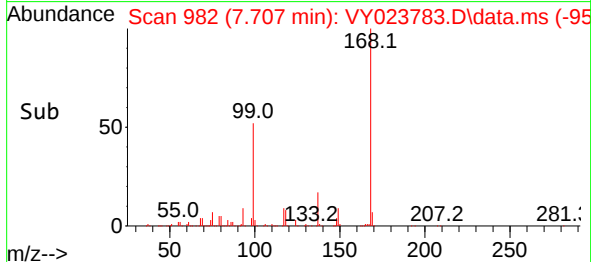
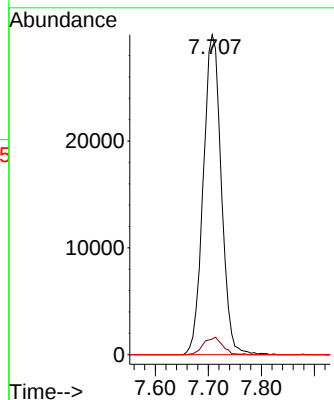
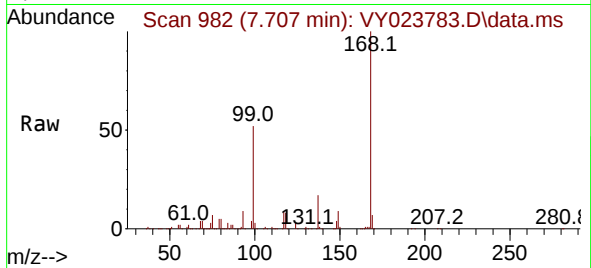




#38
Carbon Tetrachloride
Concen: 5.487 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY023783.D
Acq: 13 Nov 2025 13:57

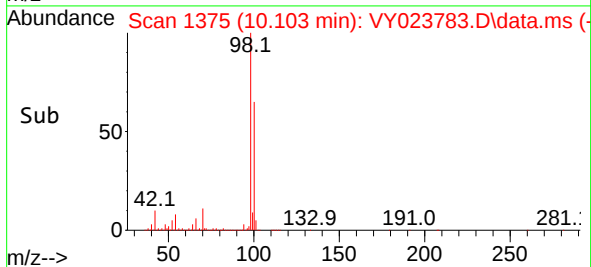
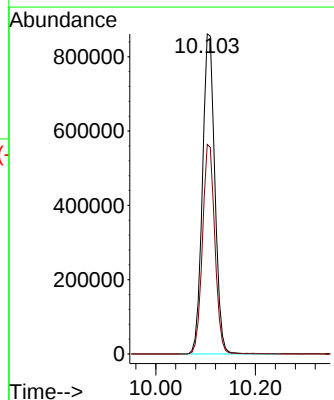
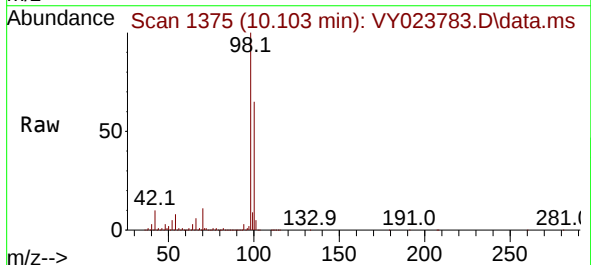
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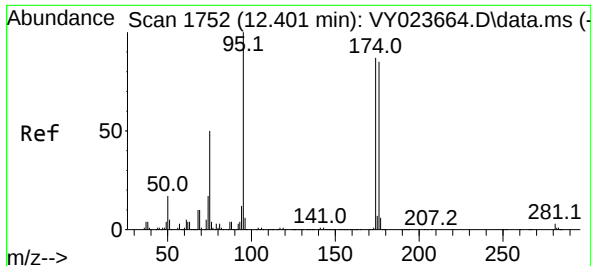
Tgt Ion:117 Resp: 70758
Ion Ratio Lower Upper
117 100
119 4.9 76.3 114.5#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 48.703 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY023783.D
Acq: 13 Nov 2025 13:57

Tgt Ion: 98 Resp: 1486043
Ion Ratio Lower Upper
98 100
100 65.3 52.7 79.1

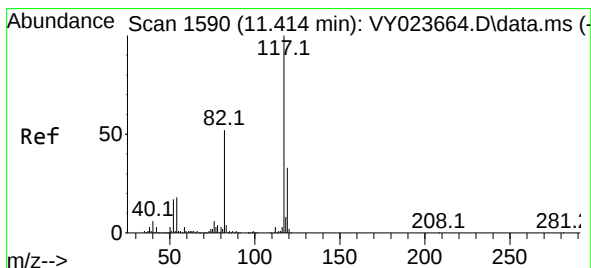
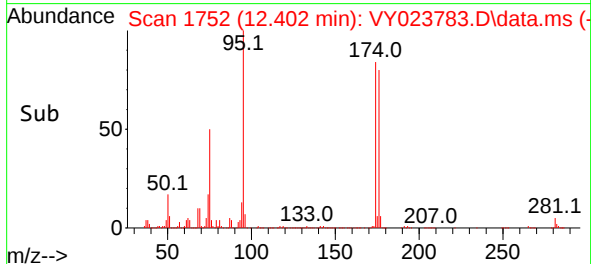
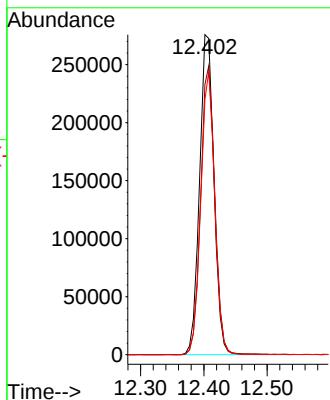
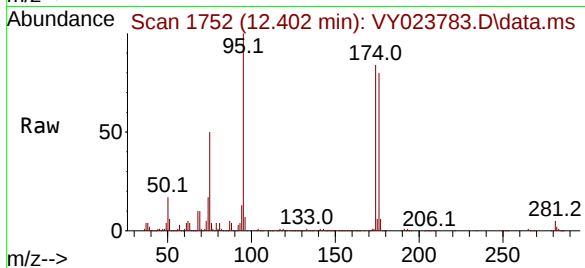




#62
4-Bromofluorobenzene
Concen: 44.395 ug/l
RT: 12.402 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY023783.D
Acq: 13 Nov 2025 13:57

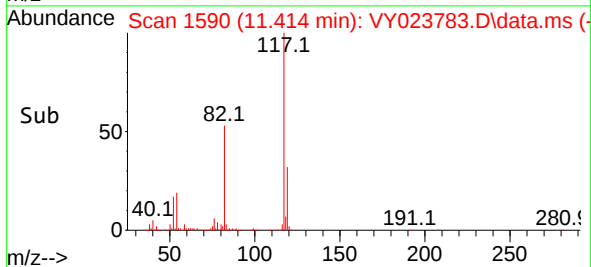
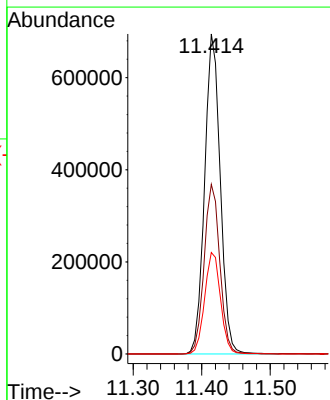
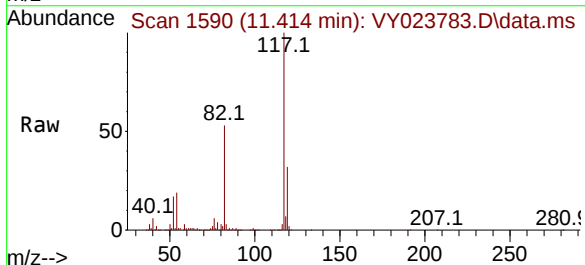
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

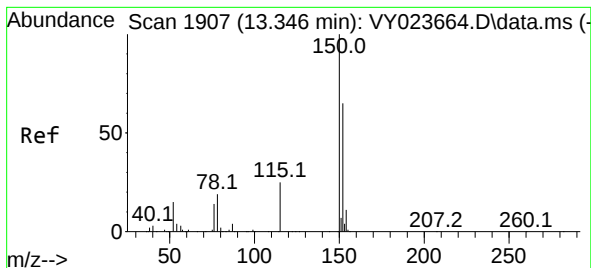
Tgt Ion: 95 Resp: 438074
Ion Ratio Lower Upper
95 100
174 89.0 0.0 184.8
176 85.6 0.0 181.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY023783.D
Acq: 13 Nov 2025 13:57

Tgt Ion: 117 Resp: 1104856
Ion Ratio Lower Upper
117 100
82 53.0 41.2 61.8
119 31.7 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: VY023783.D

Acq: 13 Nov 2025 13:57

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

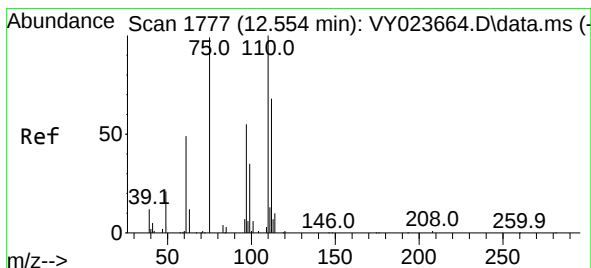
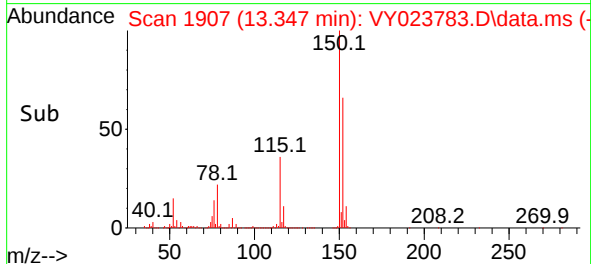
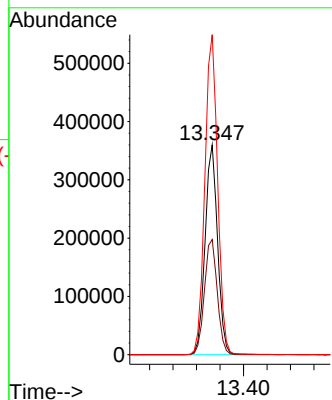
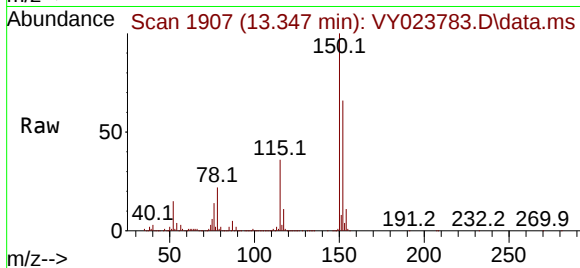
Tgt Ion:152 Resp: 531869

Ion Ratio Lower Upper

152 100

115 56.8 27.5 82.5

150 156.0 0.0 349.0



#76

1,2,3-Trichloropropane

Concen: 49.500 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.152 min

Lab File: VY023783.D

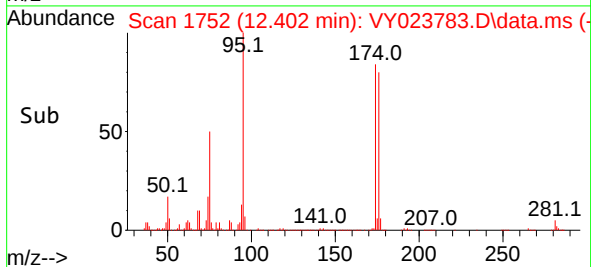
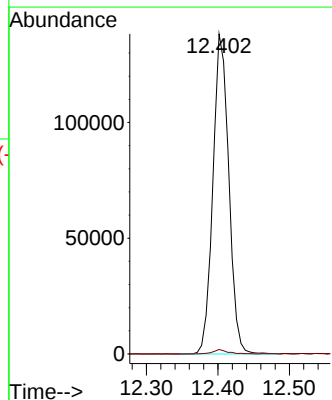
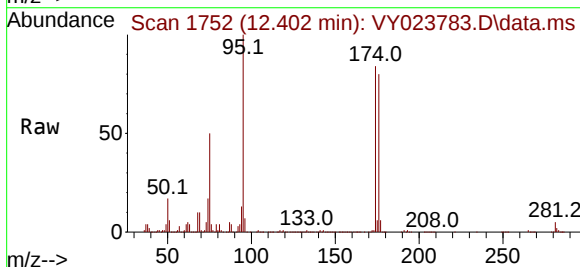
Acq: 13 Nov 2025 13:57

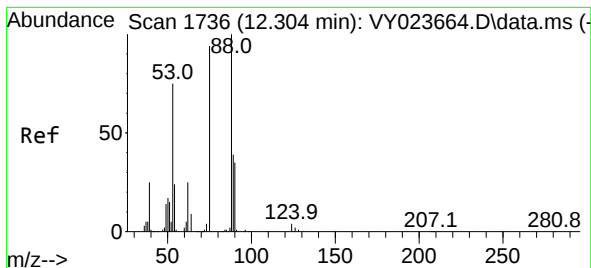
Tgt Ion: 75 Resp: 213072

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#

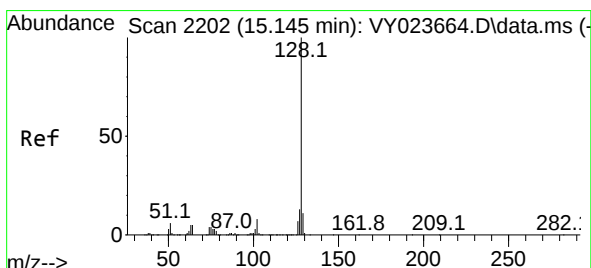
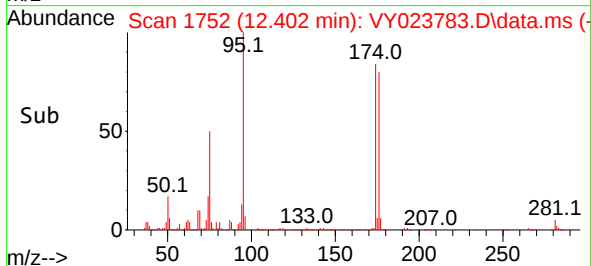
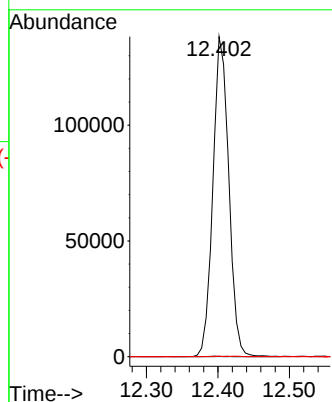
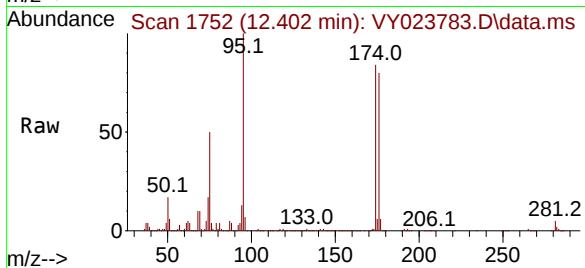




#81
trans-1,4-Dichloro-2-butene
Concen: 111.867 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.098 min
Lab File: VY023783.D
Acq: 13 Nov 2025 13:57

Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Tgt Ion: 75 Resp: 213072
Ion Ratio Lower Upper
75 100
53 0.2 69.6 104.4#
89 0.1 38.2 57.4#



#95
Naphthalene
Concen: 5.316 ug/l
RT: 15.145 min Scan# 2202
Delta R.T. 0.000 min
Lab File: VY023783.D
Acq: 13 Nov 2025 13:57

Tgt Ion:128 Resp: 939
Ion Ratio Lower Upper
128 100
127 2.1 10.5 15.7#
129 21.3 8.8 13.2#

