

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120225\
 Data File : VY023861.D
 Acq On : 02 Dec 2025 15:57
 Operator : SY/MD
 Sample : Q3742-08
 Misc : 4.30g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 03 01:05:03 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	669833	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	1222438	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1079191	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	471581	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	384278	58.910	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	117.820%
35) Dibromofluoromethane	7.640	113	386174	53.327	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	106.660%
50) Toluene-d8	10.109	98	1458895	50.720	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.440%
62) 4-Bromofluorobenzene	12.408	95	449272	47.471	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	94.940%

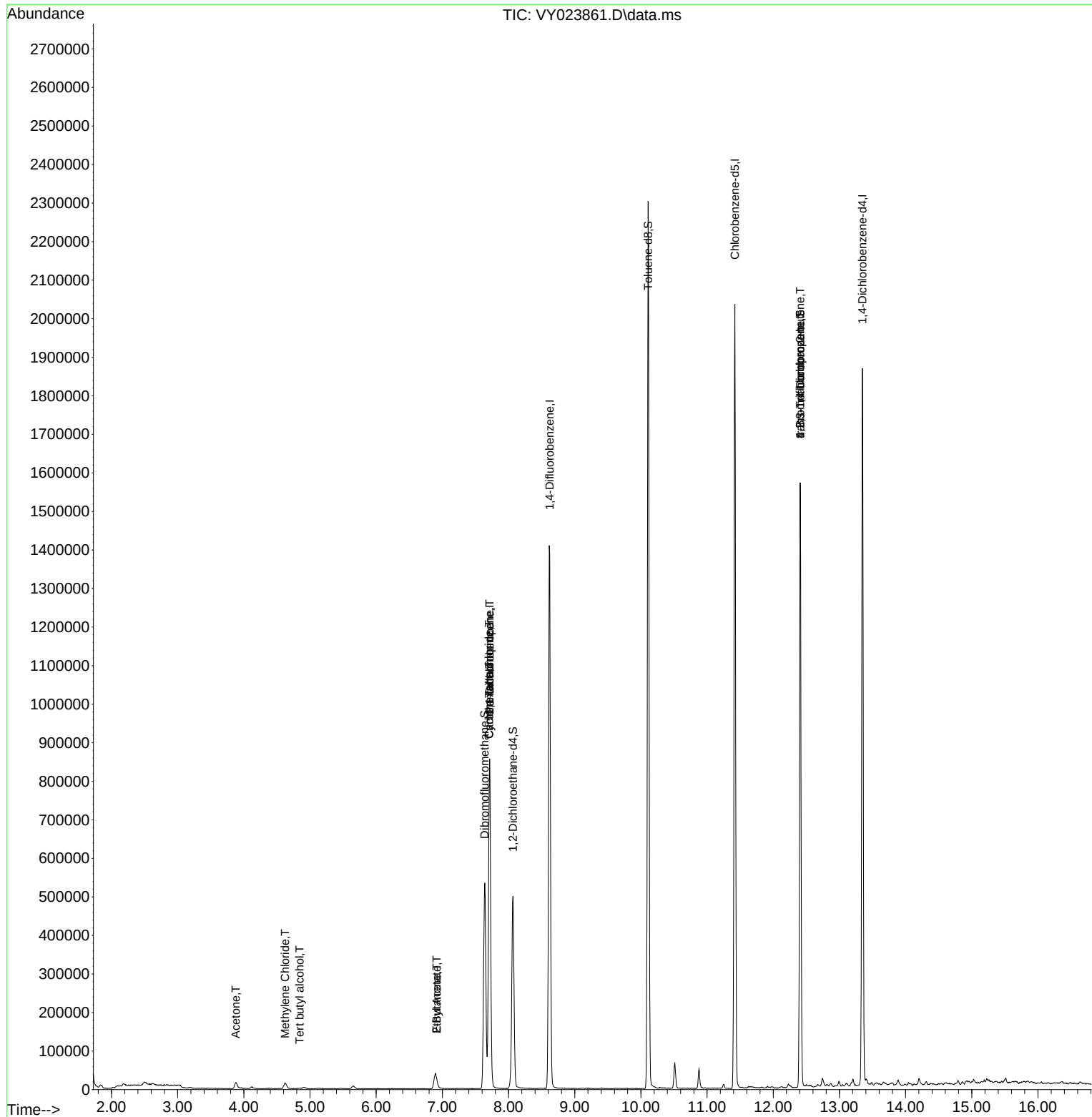
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.842	59	677	1.264	ug/l #	73
16) Acetone	3.879	43	30462	16.208	ug/l	92
20) Methylene Chloride	4.622	84	10804	1.360	ug/l	95
25) 2-Butanone	6.915	43	11372	4.958	ug/l #	89
31) Cyclohexane	7.707	56	14117	1.126	ug/l #	1
36) 1,1-Dichloropropene	7.713	75	51094	4.602	ug/l #	50
37) Ethyl Acetate	6.915	43	11372	2.177	ug/l #	79
38) Carbon Tetrachloride	7.707	117	67072	5.503	ug/l #	16
76) 1,2,3-Trichloropropane	12.408	75	233231	56.872	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	233231	120.211	ug/l #	14

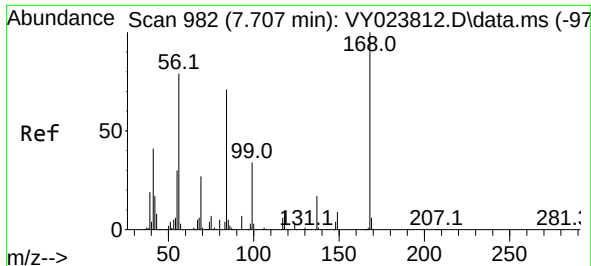
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 4.30g/5.0mL/MSVOA_Y/SOIL
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MSVOA_Y
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Quant Time: Dec 03 01:05:03 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

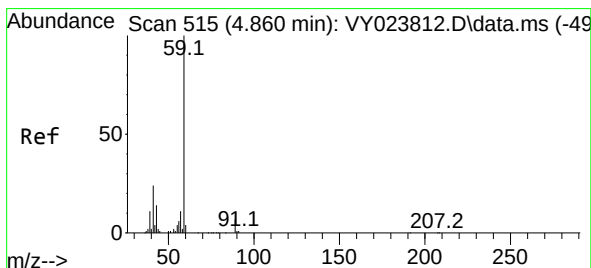
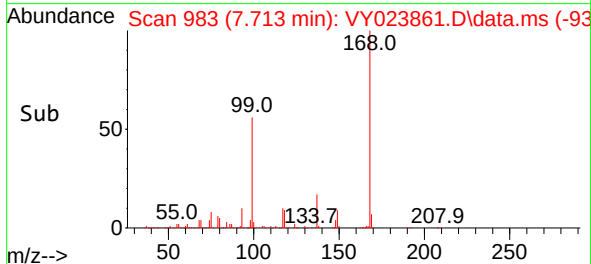
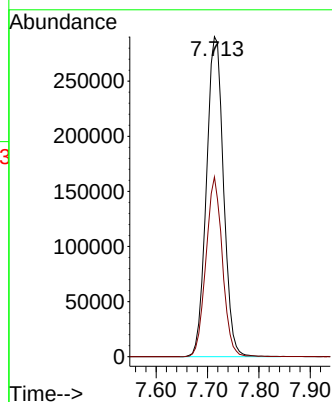
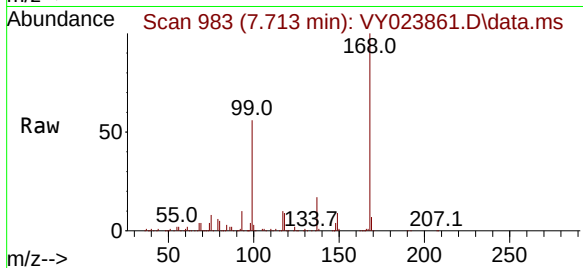




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023861.D
Acq: 02 Dec 2025 15:57

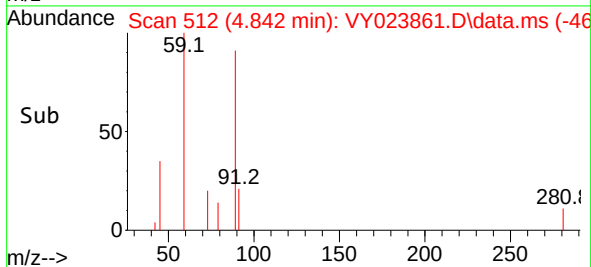
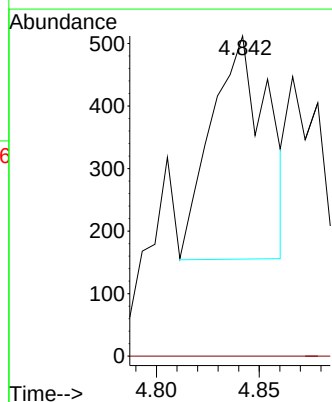
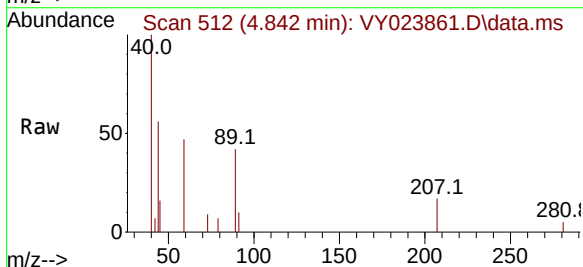
Instrument :
MSVOA_Y
ClientSampleId :

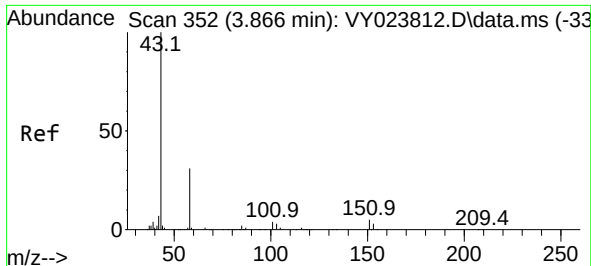
Tgt Ion:168 Resp: 669833
Ion Ratio Lower Upper
168 100
99 56.1 44.0 66.0



#11
Tert butyl alcohol
Concen: 1.264 ug/l
RT: 4.842 min Scan# 512
Delta R.T. -0.018 min
Lab File: VY023861.D
Acq: 02 Dec 2025 15:57

Tgt Ion: 59 Resp: 677
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

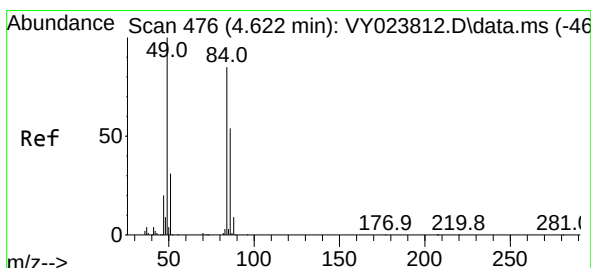
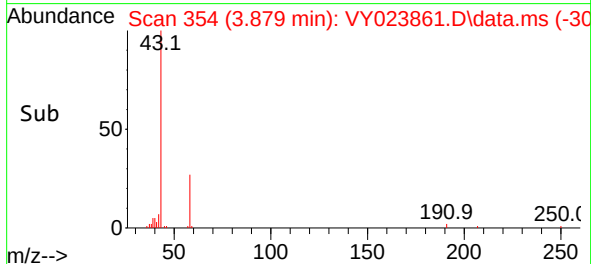
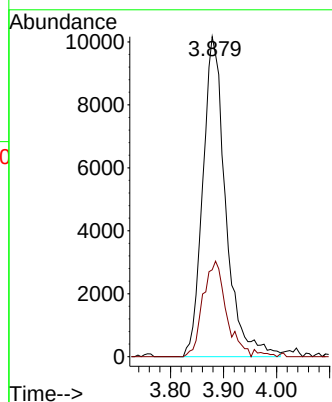
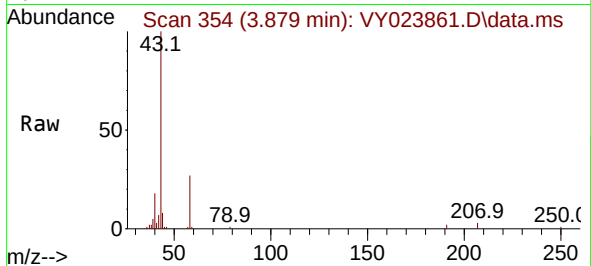




#16
Acetone
Concen: 16.208 ug/l
RT: 3.879 min Scan# 352
Delta R.T. 0.012 min
Lab File: VY023861.D
Acq: 02 Dec 2025 15:57

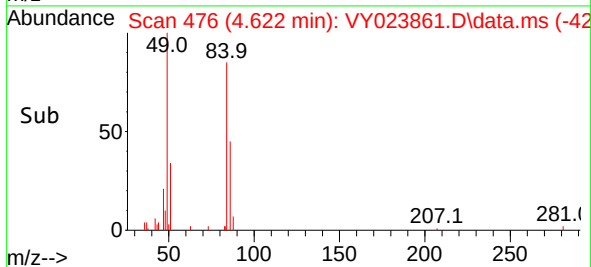
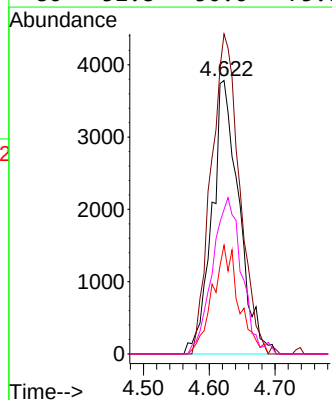
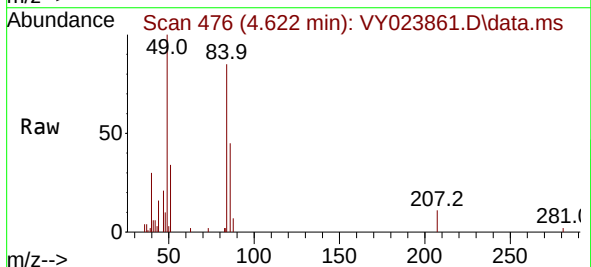
Instrument :
MSVOA_Y
ClientSampleId :

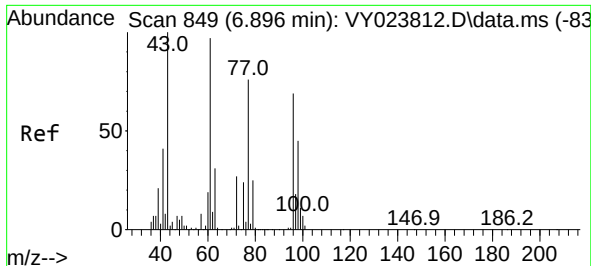
Tgt Ion: 43 Resp: 30462
Ion Ratio Lower Upper
43 100
58 27.1 25.4 38.2



#20
Methylene Chloride
Concen: 1.360 ug/l
RT: 4.622 min Scan# 476
Delta R.T. 0.000 min
Lab File: VY023861.D
Acq: 02 Dec 2025 15:57

Tgt Ion: 84 Resp: 10804
Ion Ratio Lower Upper
84 100
49 117.0 94.0 141.0
51 39.7 29.2 43.8
86 52.8 50.6 75.8





#25

2-Butanone

Concen: 4.958 ug/l

RT: 6.915 min Scan# 81

Delta R.T. 0.018 min

Lab File: VY023861.D

Acq: 02 Dec 2025 15:57

Instrument :

MSVOA_Y

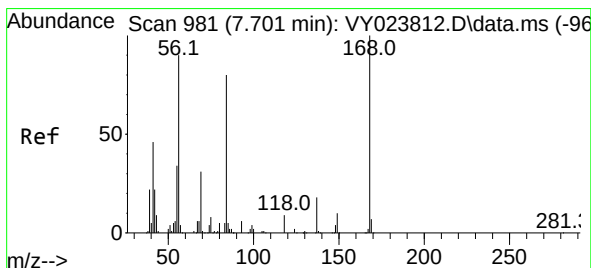
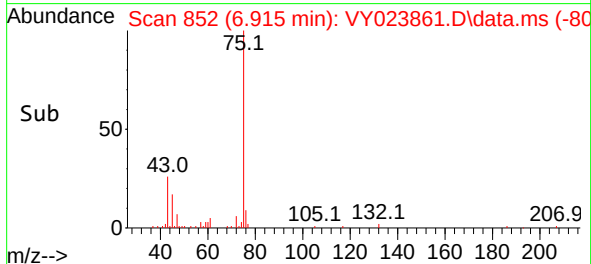
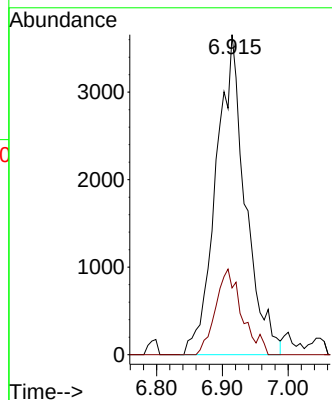
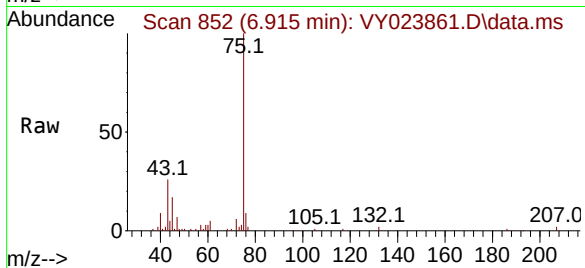
ClientSampleId :

Tgt Ion: 43 Resp: 11372

Ion Ratio Lower Upper

43 100

72 20.9 21.3 31.9#



#31

Cyclohexane

Concen: 1.126 ug/l

RT: 7.707 min Scan# 982

Delta R.T. 0.006 min

Lab File: VY023861.D

Acq: 02 Dec 2025 15:57

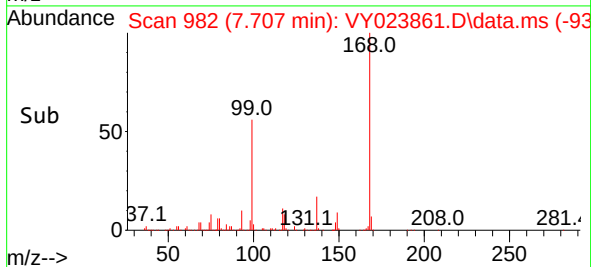
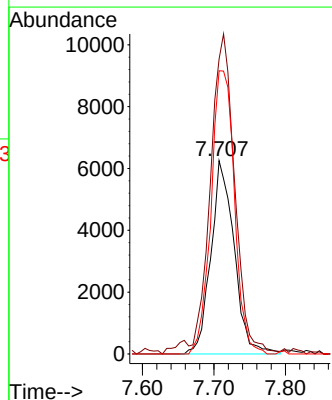
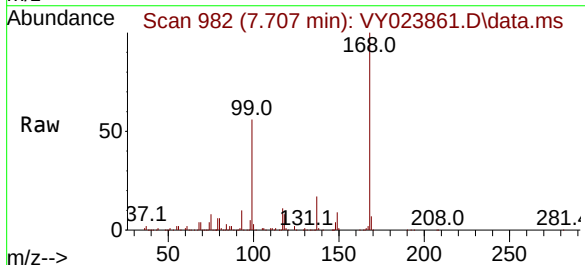
Tgt Ion: 56 Resp: 14117

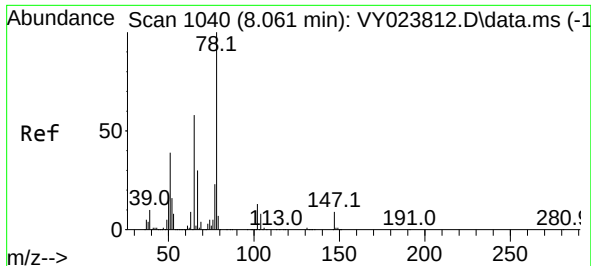
Ion Ratio Lower Upper

56 100

69 151.2 27.8 41.6#

84 146.5 71.8 107.8#





#33

1,2-Dichloroethane-d4

Concen: 58.910 ug/l

RT: 8.067 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VY023861.D

Acq: 02 Dec 2025 15:57

Instrument :

MSVOA_Y

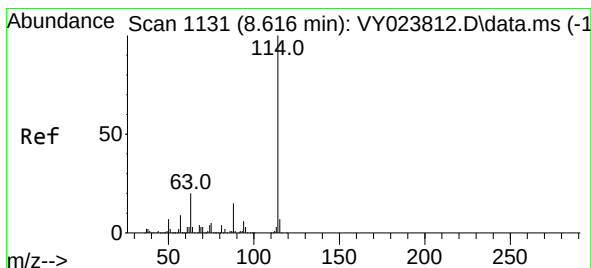
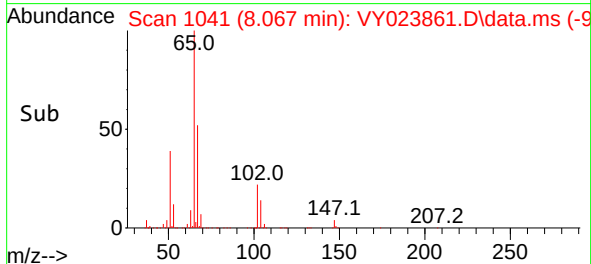
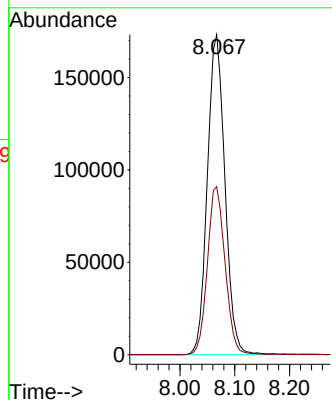
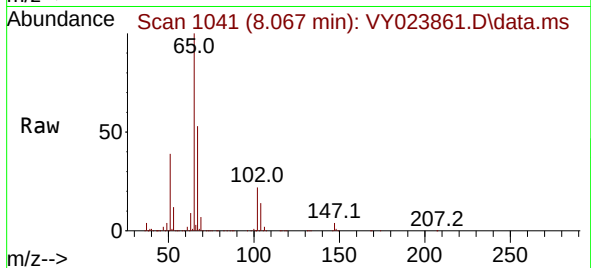
ClientSampleId :

Tgt Ion: 65 Resp: 384278

Ion Ratio Lower Upper

65 100

67 52.9 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VY023861.D

Acq: 02 Dec 2025 15:57

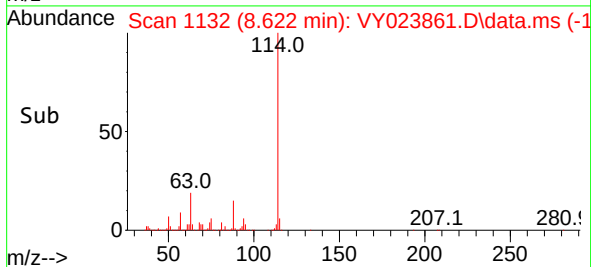
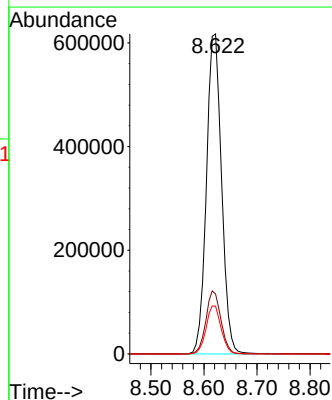
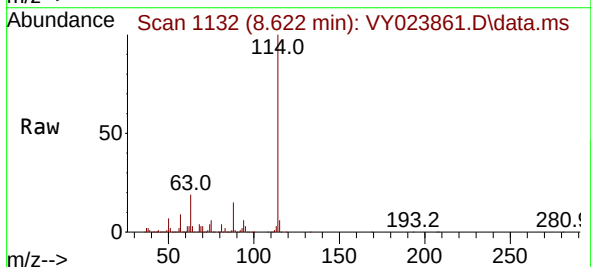
Tgt Ion:114 Resp: 1222438

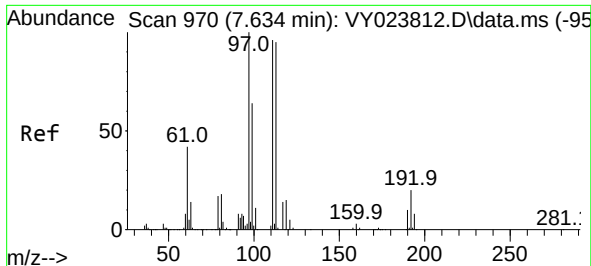
Ion Ratio Lower Upper

114 100

63 18.7 0.0 39.4

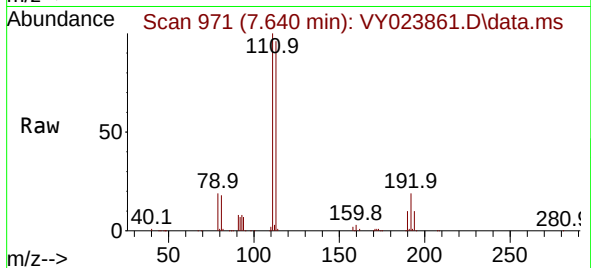
88 14.9 0.0 30.8



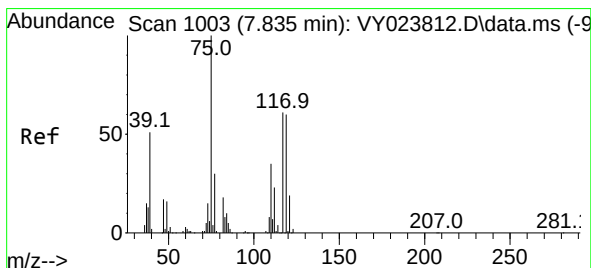
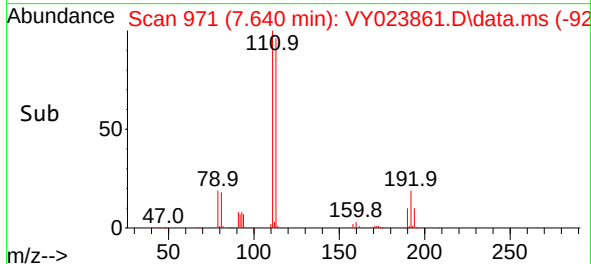
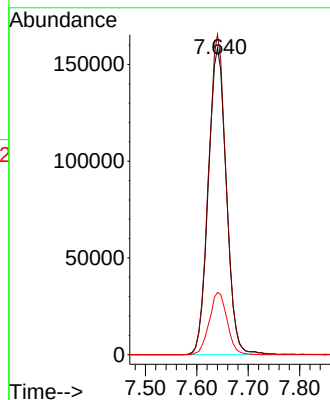


#35
Dibromofluoromethane
Concen: 53.327 ug/l
RT: 7.640 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023861.D
Acq: 02 Dec 2025 15:57

Instrument :
MSVOA_Y
ClientSampleId :

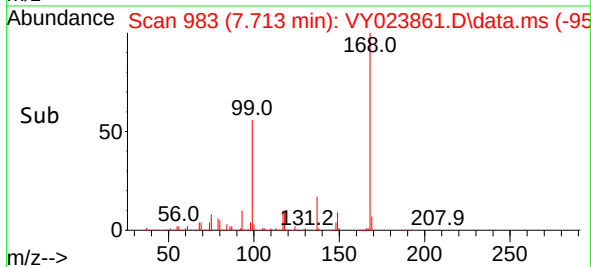
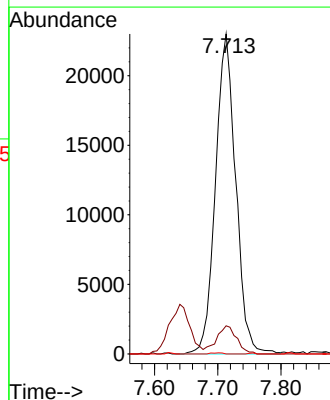
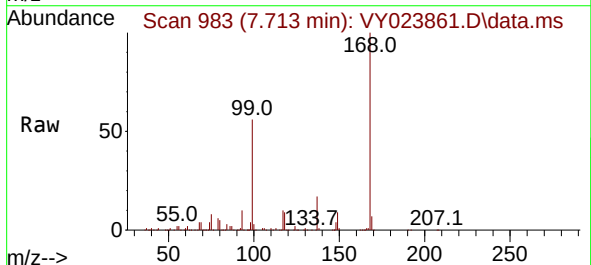


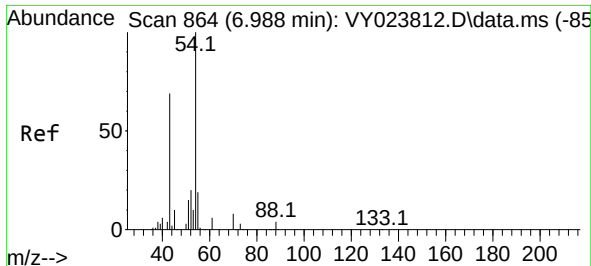
Tgt Ion:113 Resp: 386174
Ion Ratio Lower Upper
113 100
111 102.8 81.4 122.0
192 20.1 15.8 23.8



#36
1,1-Dichloropropene
Concen: 4.602 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.122 min
Lab File: VY023861.D
Acq: 02 Dec 2025 15:57

Tgt Ion: 75 Resp: 51094
Ion Ratio Lower Upper
75 100
110 8.9 17.6 52.8#
77 0.2 24.9 37.3#





#37

Ethyl Acetate

Concen: 2.177 ug/l

RT: 6.915 min Scan# 81

Delta R.T. -0.073 min

Lab File: VY023861.D

Acq: 02 Dec 2025 15:57

Instrument :

MSVOA_Y

ClientSampleId :

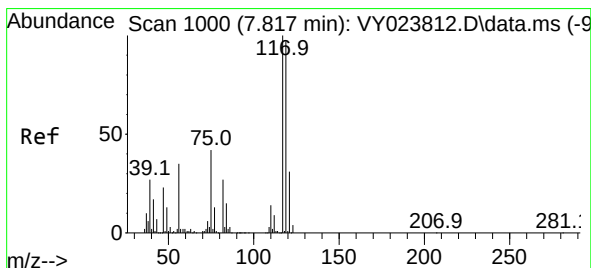
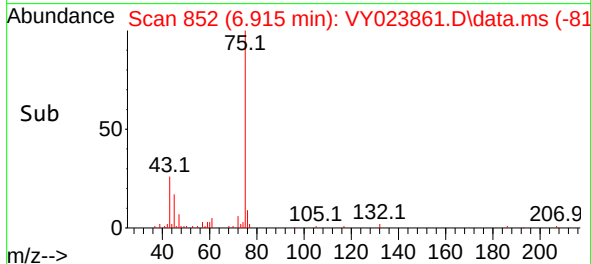
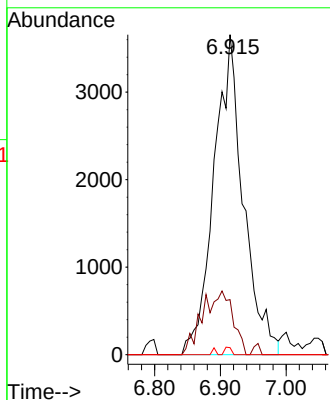
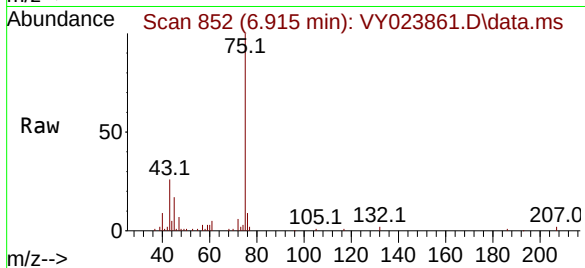
Tgt Ion: 43 Resp: 11372

Ion Ratio Lower Upper

43 100

61 20.6 11.0 16.6#

70 0.5 8.1 12.1#



#38

Carbon Tetrachloride

Concen: 5.503 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.110 min

Lab File: VY023861.D

Acq: 02 Dec 2025 15:57

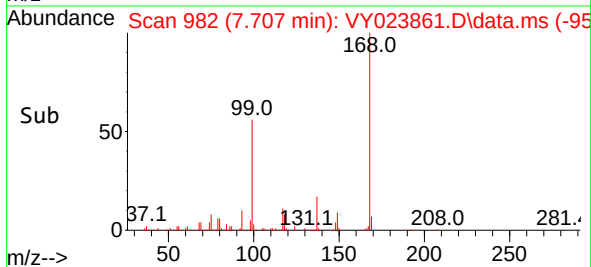
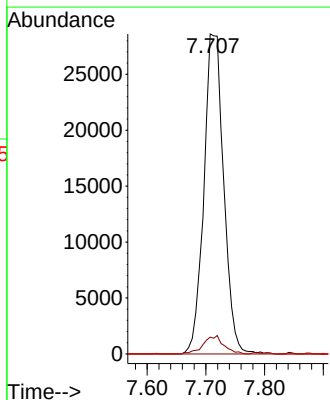
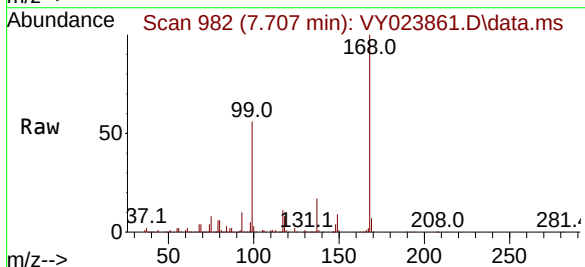
Tgt Ion: 117 Resp: 67072

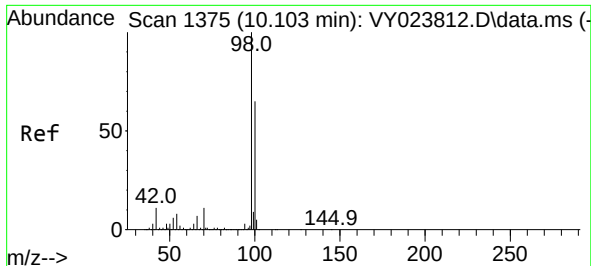
Ion Ratio Lower Upper

117 100

119 5.3 77.3 115.9#

121 0.0 25.0 37.6#

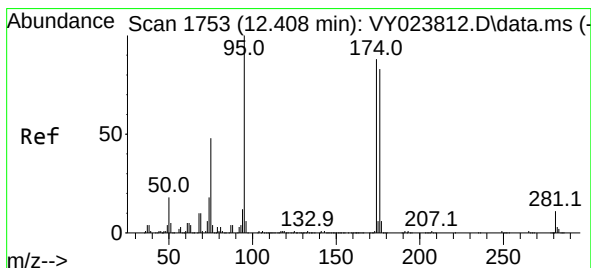
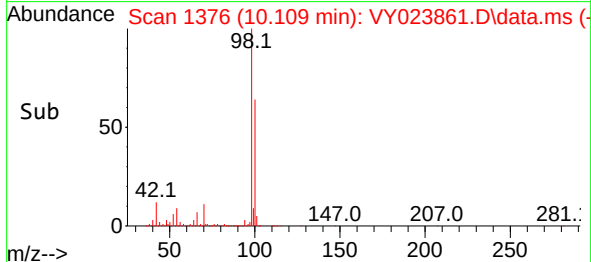
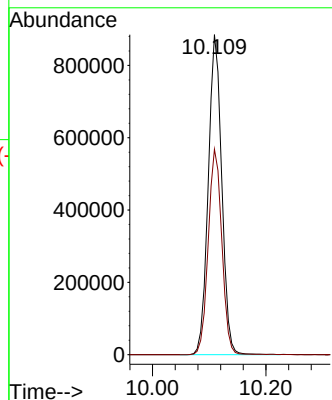
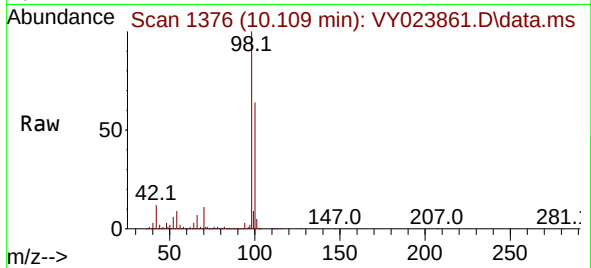




#50
Toluene-d8
Concen: 50.720 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023861.D
Acq: 02 Dec 2025 15:57

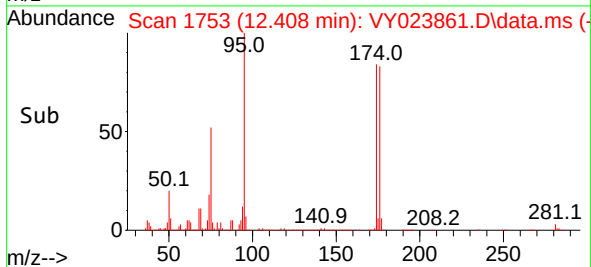
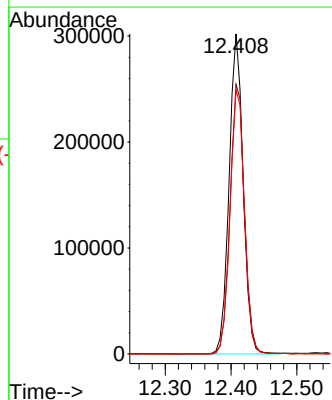
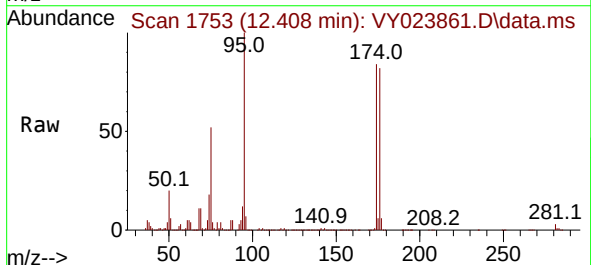
Instrument :
MSVOA_Y
ClientSampleId :

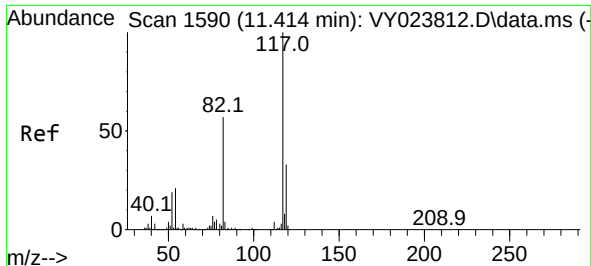
Tgt Ion: 98 Resp: 1458895
Ion Ratio Lower Upper
98 100
100 64.8 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 47.471 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY023861.D
Acq: 02 Dec 2025 15:57

Tgt Ion: 95 Resp: 449272
Ion Ratio Lower Upper
95 100
174 86.6 0.0 168.6
176 84.2 0.0 164.6

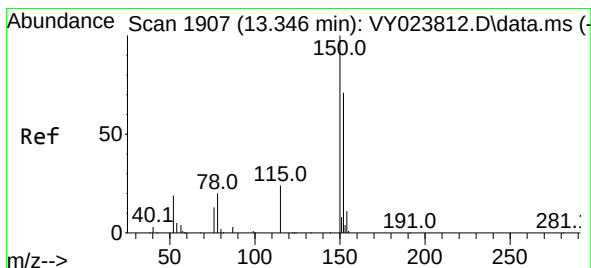
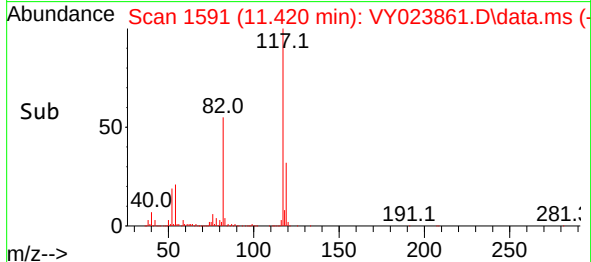
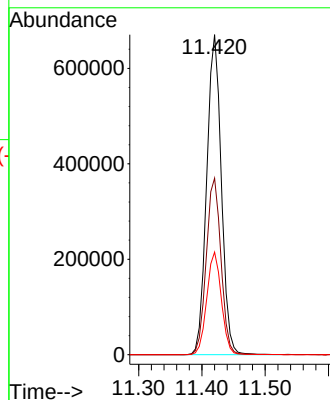
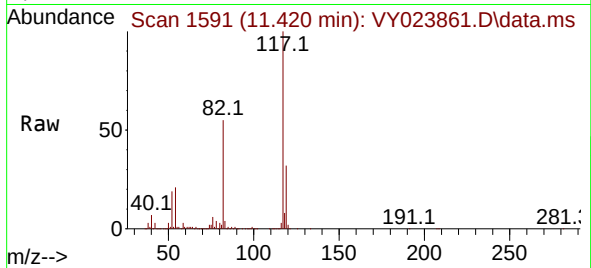




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 117
Delta R.T. 0.006 min
Lab File: VY023861.D
Acq: 02 Dec 2025 15:57

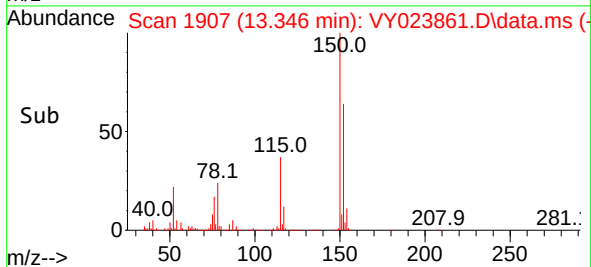
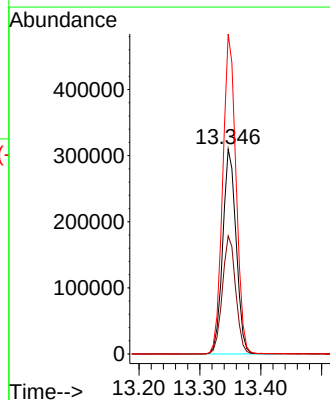
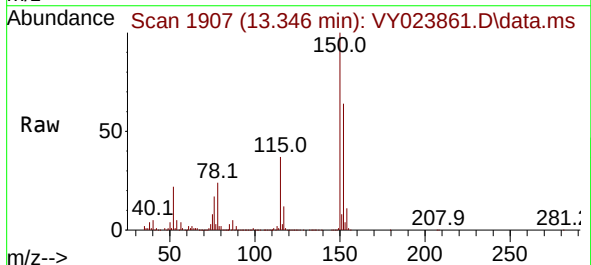
Instrument :
MSVOA_Y
ClientSampleId :

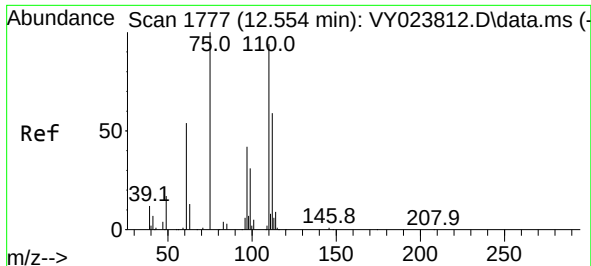
Tgt Ion:117 Resp: 1079191
Ion Ratio Lower Upper
117 100
82 55.2 45.4 68.0
119 32.1 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY023861.D
Acq: 02 Dec 2025 15:57

Tgt Ion:152 Resp: 471581
Ion Ratio Lower Upper
152 100
115 57.6 28.7 86.3
150 155.4 0.0 345.6

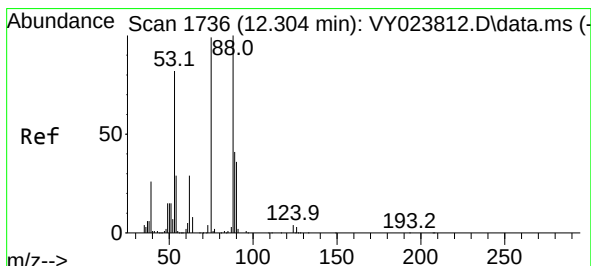
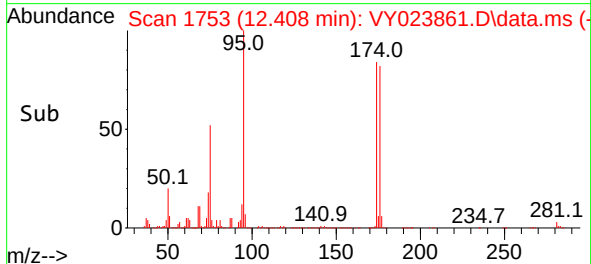
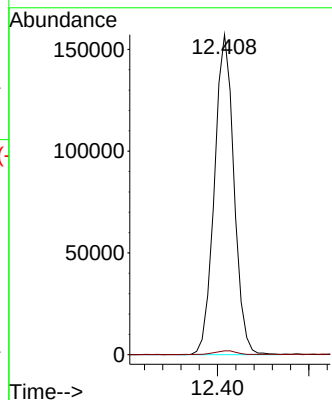
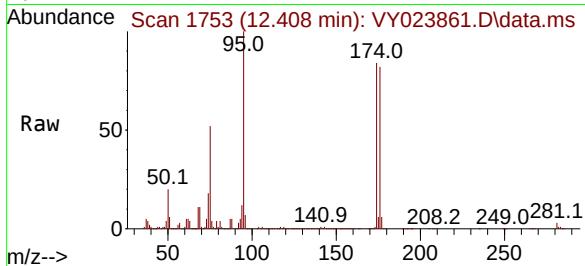




#76
1,2,3-Trichloropropane
Concen: 56.872 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY023861.D
Acq: 02 Dec 2025 15:57

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 233231
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 120.211 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY023861.D
Acq: 02 Dec 2025 15:57

Tgt Ion: 75 Resp: 233231
Ion Ratio Lower Upper
75 100
53 0.4 71.3 106.9#
89 0.0 37.0 55.4#

