

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111225\
 Data File : VY023761.D
 Acq On : 12 Nov 2025 14:01
 Operator : SY/MD
 Sample : Q3586-03
 Misc : 6.46g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SED-3

Quant Time: Nov 14 03:38:42 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)

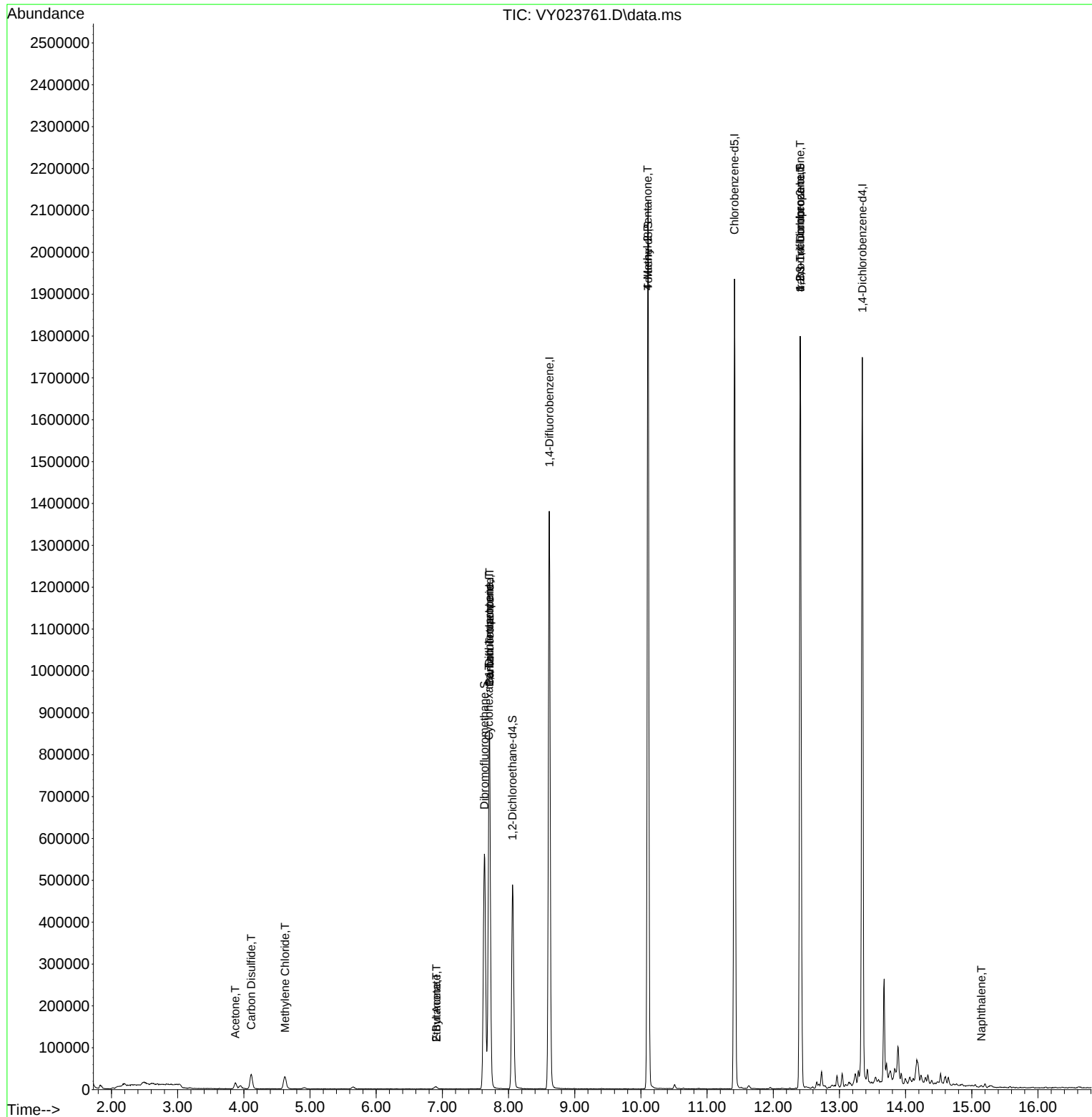
Internal Standards						
1) Pentafluorobenzene	7.713	168	715841	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1241972	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1078013	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	465632	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	379494	62.149	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	124.300%
35) Dibromofluoromethane	7.634	113	407574	52.512	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.020%
50) Toluene-d8	10.109	98	1406469	48.646	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.300%
62) 4-Bromofluorobenzene	12.408	95	430192	46.010	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	92.020%
Target Compounds						
						Qvalue
16) Acetone	3.873	43	23954	15.782	ug/l	93
17) Carbon Disulfide	4.110	76	71109	3.622	ug/l	98
20) Methylene Chloride	4.622	84	23378	3.191	ug/l	97
25) 2-Butanone	6.909	43	5474	3.119	ug/l	90
31) Cyclohexane	7.701	56	12264	1.219	ug/l #	27
36) 1,1-Dichloropropene	7.707	75	47020	4.534	ug/l #	47
37) Ethyl Acetate	6.909	43	5474	1.363	ug/l #	66
38) Carbon Tetrachloride	7.713	117	65453	5.356	ug/l #	18
51) 4-Methyl-2-Pentanone	10.103	43	5261	1.311	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	214090	56.812	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	214090	128.391	ug/l #	15
95) Naphthalene	15.145	128	4242	5.539	ug/l	96

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111225\
Data File : VY023761.D
Acq On : 12 Nov 2025 14:01
Operator : SY/MD
Sample : Q3586-03
Misc : 6.46g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
SED-3

Quant Time: Nov 14 03:38:42 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

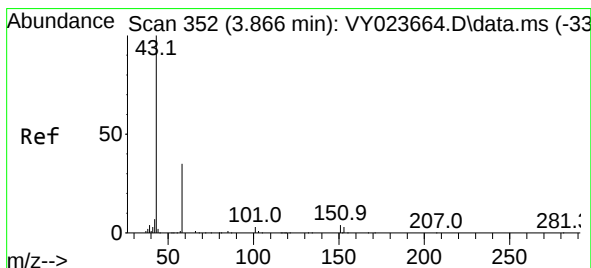
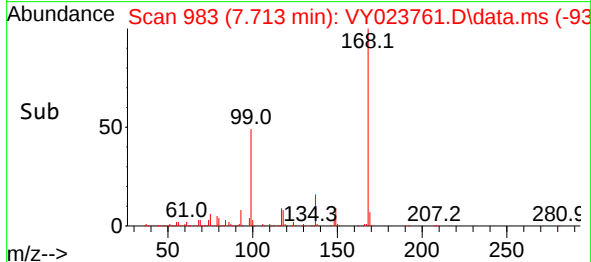
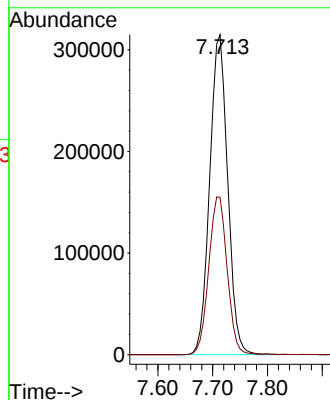
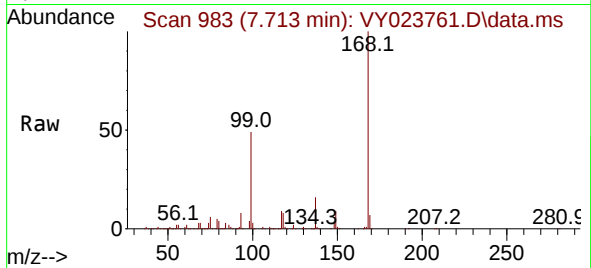




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023761.D
Acq: 12 Nov 2025 14:01

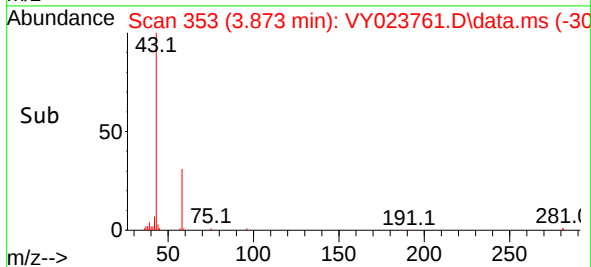
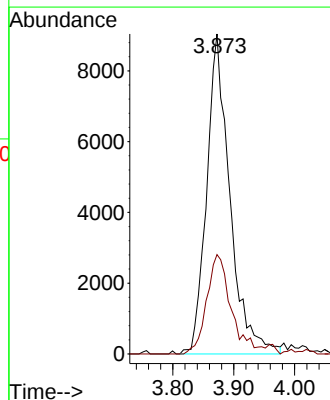
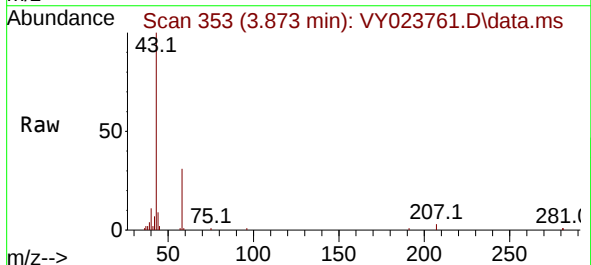
Instrument :
MSVOA_Y
ClientSampleId :
SED-3

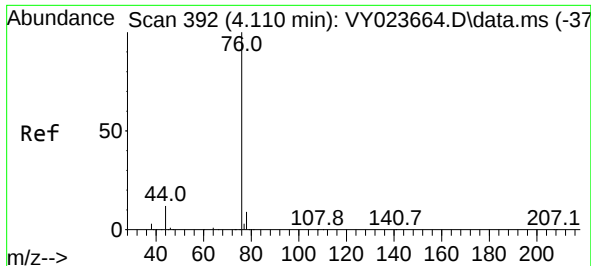
Tgt Ion:168 Resp: 715841
Ion Ratio Lower Upper
168 100
99 49.1 41.0 61.4



#16
Acetone
Concen: 15.782 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.006 min
Lab File: VY023761.D
Acq: 12 Nov 2025 14:01

Tgt Ion: 43 Resp: 23954
Ion Ratio Lower Upper
43 100
58 31.1 28.2 42.4

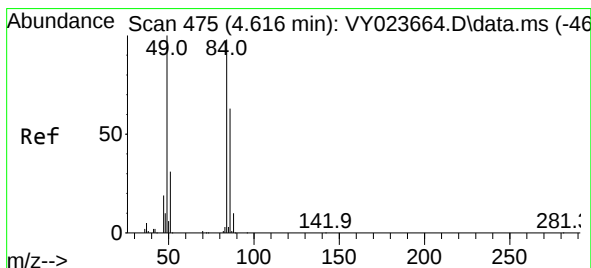
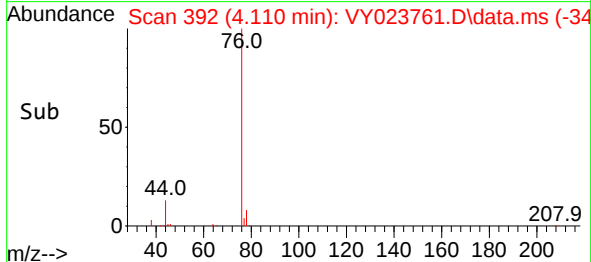
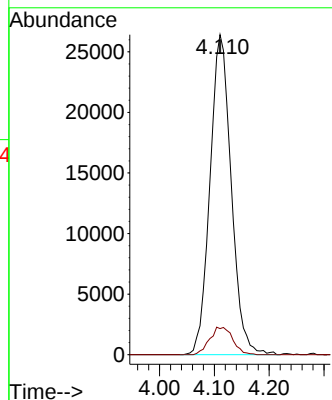
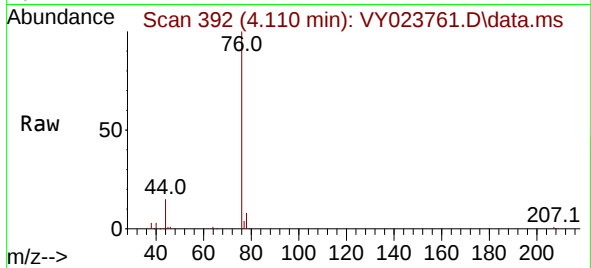




#17
Carbon Disulfide
Concen: 3.622 ug/l
RT: 4.110 min Scan# 392
Delta R.T. 0.000 min
Lab File: VY023761.D
Acq: 12 Nov 2025 14:01

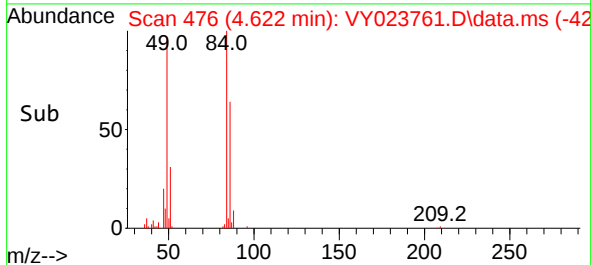
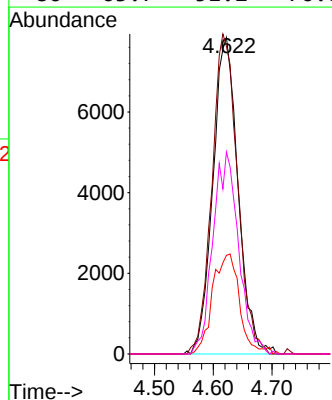
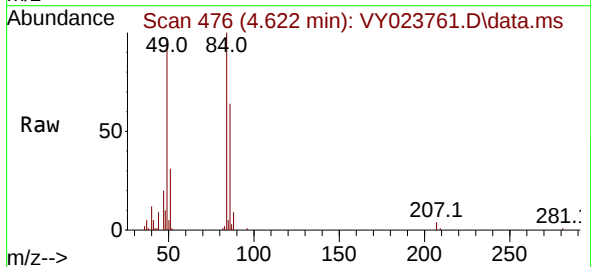
Instrument :
MSVOA_Y
ClientSampleId :
SED-3

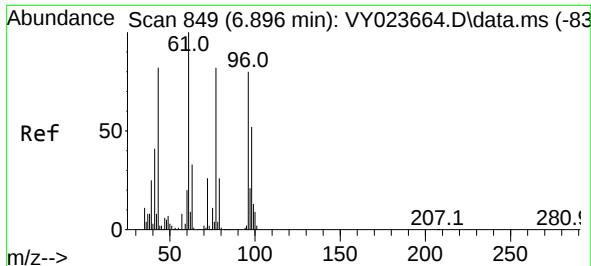
Tgt Ion: 76 Resp: 71109
Ion Ratio Lower Upper
76 100
78 8.2 7.1 10.7



#20
Methylene Chloride
Concen: 3.191 ug/l
RT: 4.622 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY023761.D
Acq: 12 Nov 2025 14:01

Tgt Ion: 84 Resp: 23378
Ion Ratio Lower Upper
84 100
49 97.2 81.5 122.3
51 31.1 25.5 38.3
86 63.7 51.2 76.8





#25

2-Butanone

Concen: 3.119 ug/l

RT: 6.909 min Scan# 849

Delta R.T. 0.012 min

Lab File: VY023761.D

Acq: 12 Nov 2025 14:01

Instrument :

MSVOA_Y

ClientSampleId :

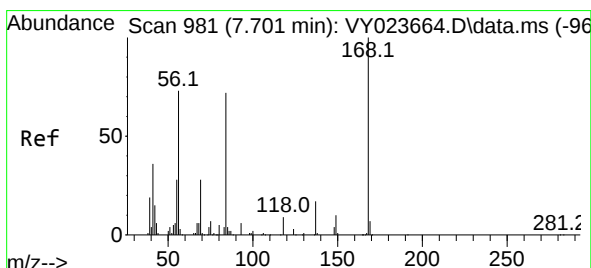
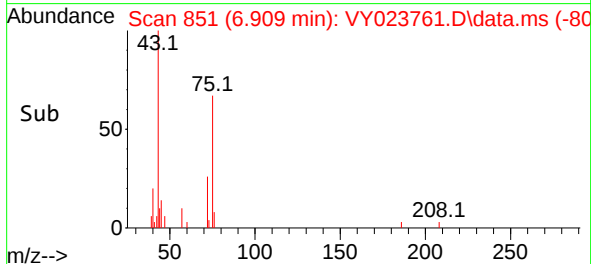
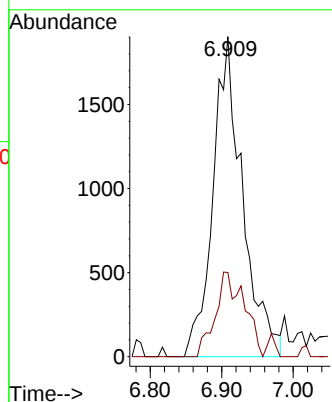
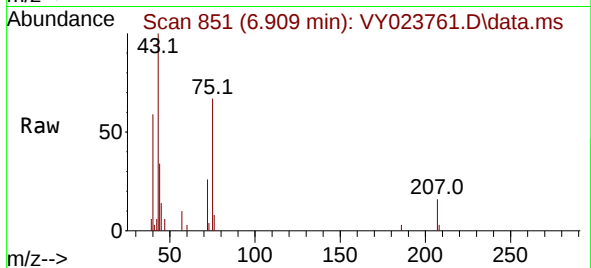
SED-3

Tgt Ion: 43 Resp: 5474

Ion Ratio Lower Upper

43 100

72 26.3 25.7 38.5



#31

Cyclohexane

Concen: 1.219 ug/l

RT: 7.701 min Scan# 981

Delta R.T. 0.000 min

Lab File: VY023761.D

Acq: 12 Nov 2025 14:01

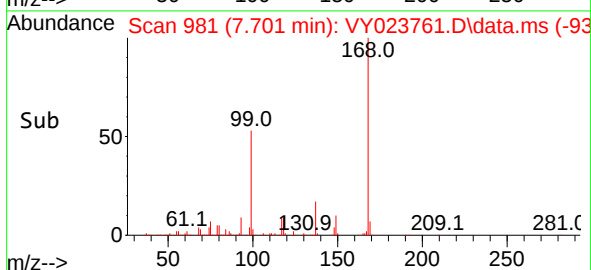
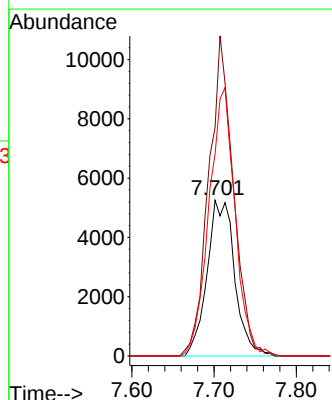
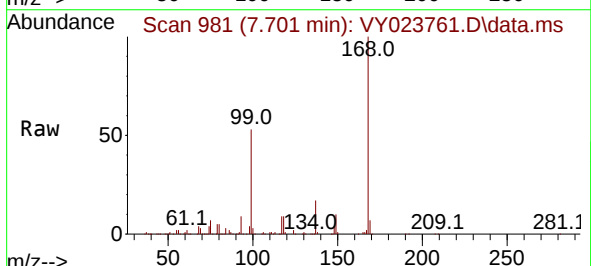
Tgt Ion: 56 Resp: 12264

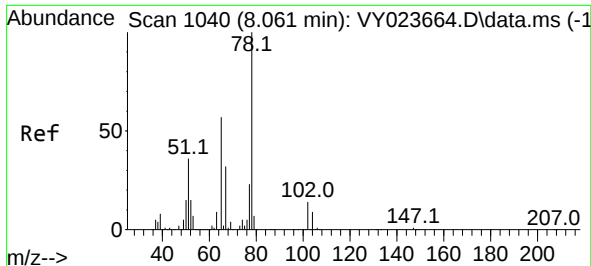
Ion Ratio Lower Upper

56 100

69 146.8 30.5 45.7#

84 129.7 79.0 118.4#

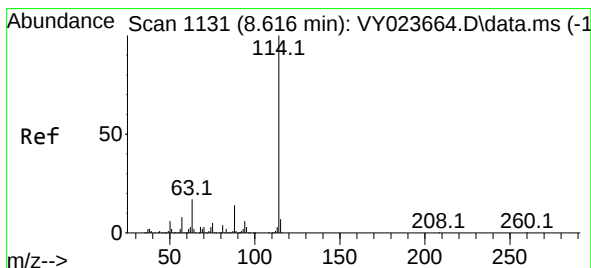
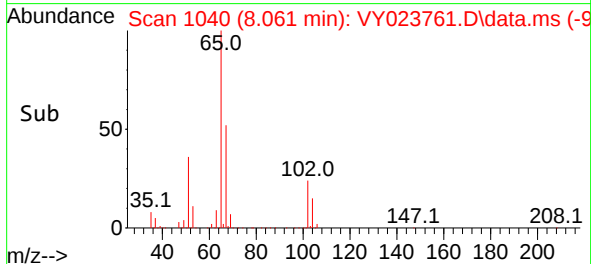
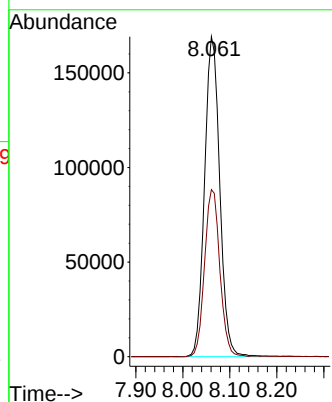
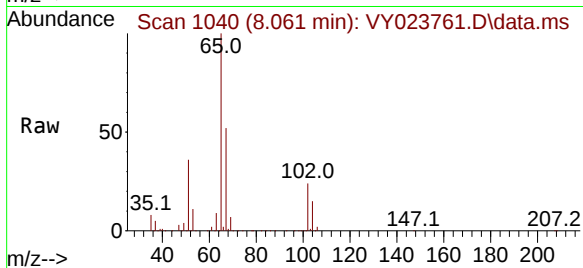




#33
1,2-Dichloroethane-d4
Concen: 62.149 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY023761.D
Acq: 12 Nov 2025 14:01

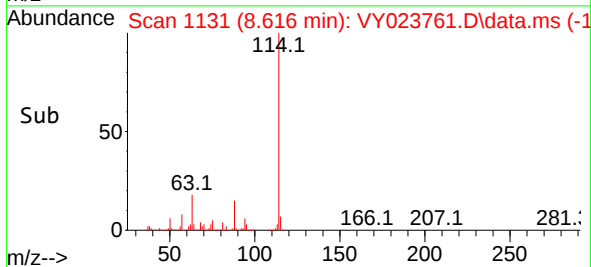
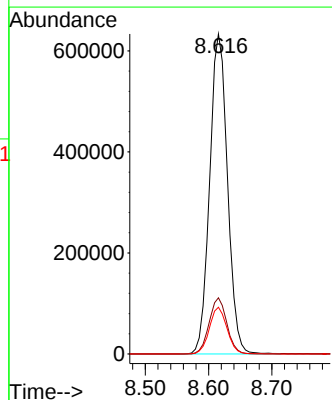
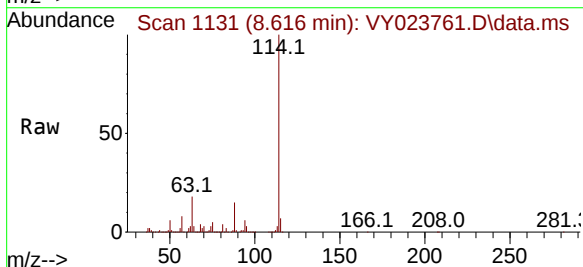
Instrument :
MSVOA_Y
ClientSampleId :
SED-3

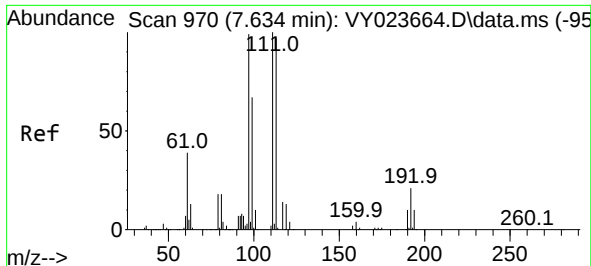
Tgt Ion: 65 Resp: 379494
Ion Ratio Lower Upper
65 100
67 52.3 0.0 107.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY023761.D
Acq: 12 Nov 2025 14:01

Tgt Ion: 114 Resp: 1241972
Ion Ratio Lower Upper
114 100
63 17.5 0.0 33.8
88 14.6 0.0 29.0

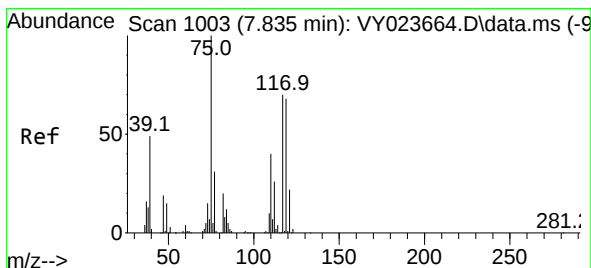
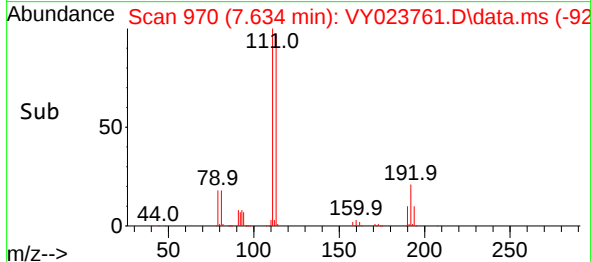
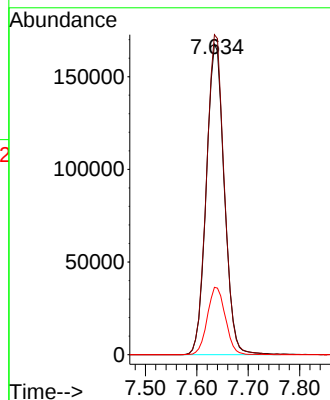
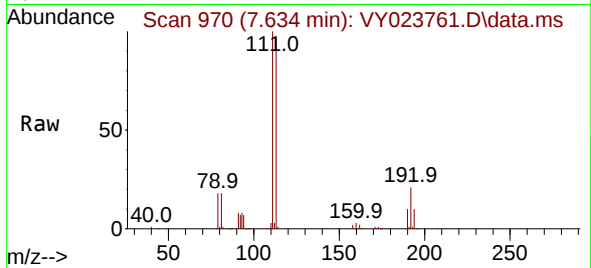




#35
Dibromofluoromethane
Concen: 52.512 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023761.D
Acq: 12 Nov 2025 14:01

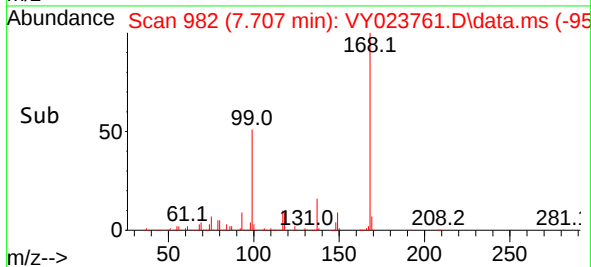
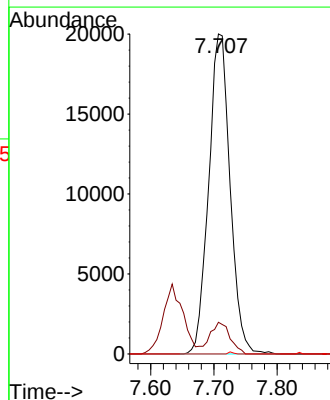
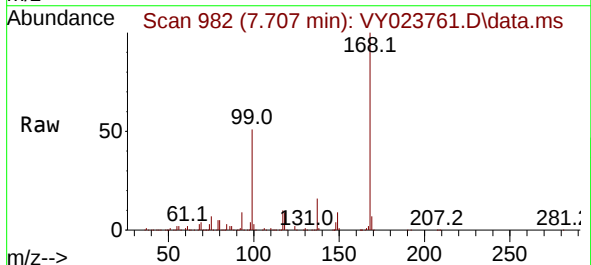
Instrument :
MSVOA_Y
ClientSampleId :
SED-3

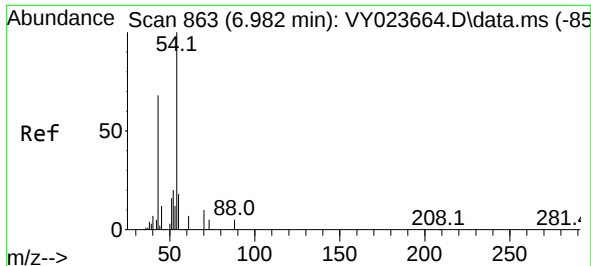
Tgt Ion:113 Resp: 407574
Ion Ratio Lower Upper
113 100
111 102.0 82.2 123.4
192 21.8 17.3 25.9



#36
1,1-Dichloropropene
Concen: 4.534 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY023761.D
Acq: 12 Nov 2025 14:01

Tgt Ion: 75 Resp: 47020
Ion Ratio Lower Upper
75 100
110 8.9 19.7 59.0#
77 0.1 25.2 37.8#





#37

Ethyl Acetate

Concen: 1.363 ug/l

RT: 6.909 min Scan# 81

Delta R.T. -0.073 min

Lab File: VY023761.D

Acq: 12 Nov 2025 14:01

Instrument :

MSVOA_Y

ClientSampleId :

SED-3

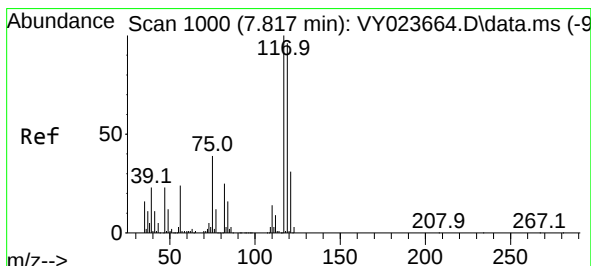
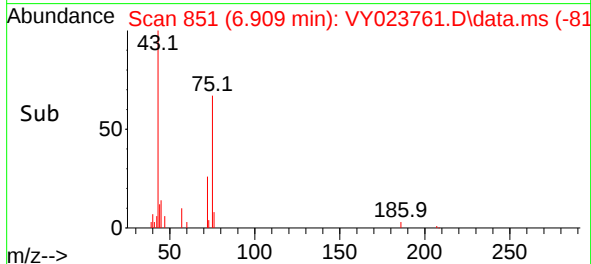
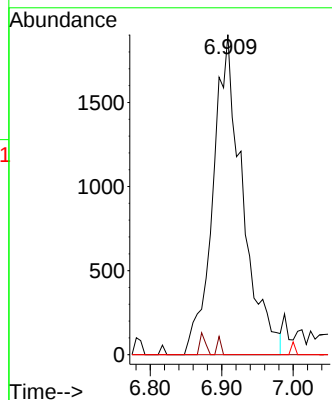
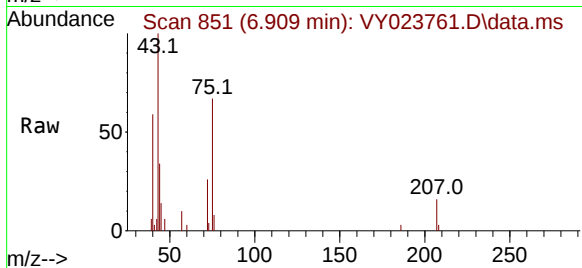
Tgt Ion: 43 Resp: 5474

Ion Ratio Lower Upper

43 100

61 0.7 12.4 18.6#

70 0.0 9.8 14.8#



#38

Carbon Tetrachloride

Concen: 5.356 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.104 min

Lab File: VY023761.D

Acq: 12 Nov 2025 14:01

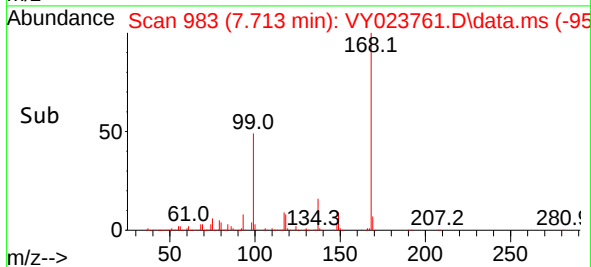
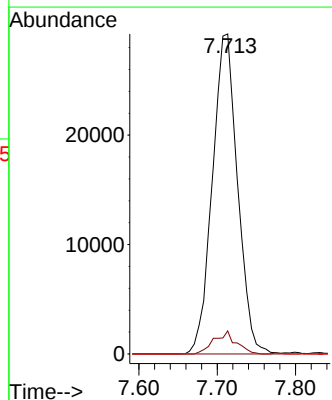
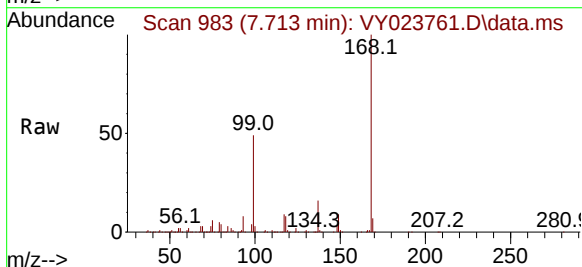
Tgt Ion: 117 Resp: 65453

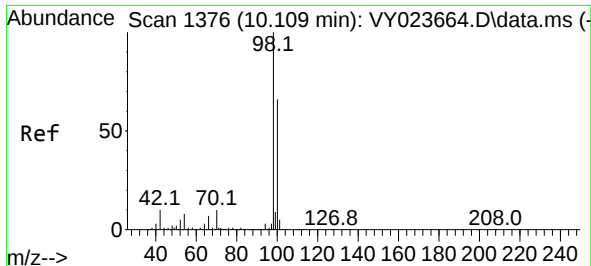
Ion Ratio Lower Upper

117 100

119 7.2 76.3 114.5#

121 0.0 24.8 37.2#

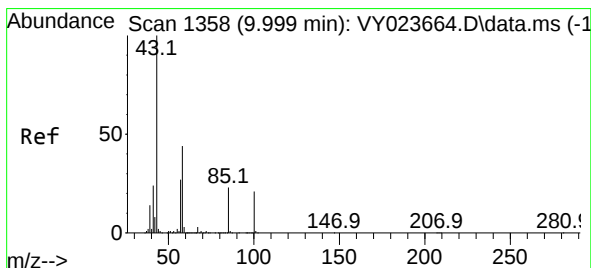
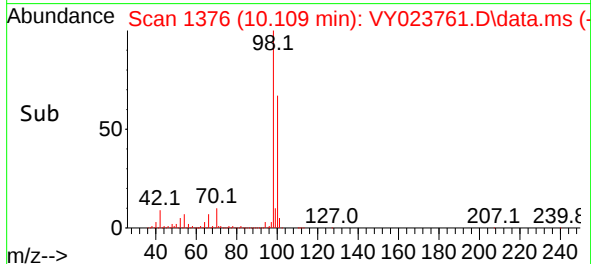
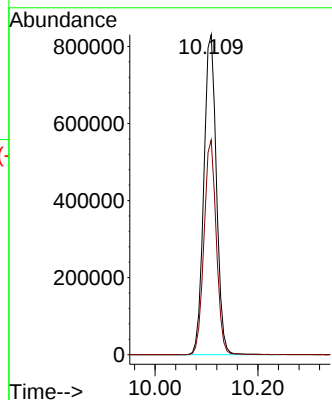
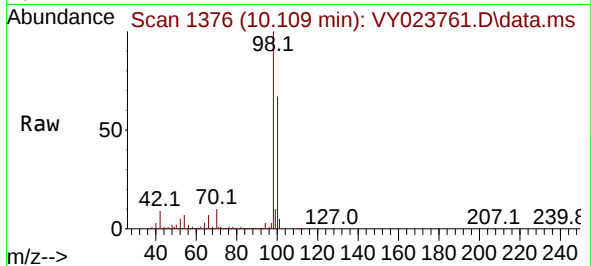




#50
Toluene-d8
Concen: 48.646 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY023761.D
Acq: 12 Nov 2025 14:01

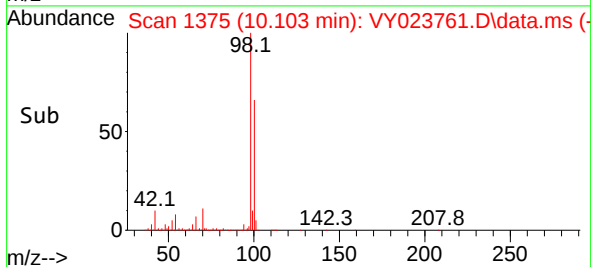
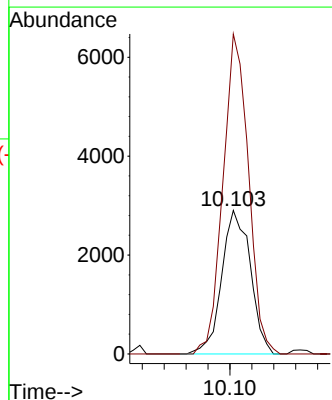
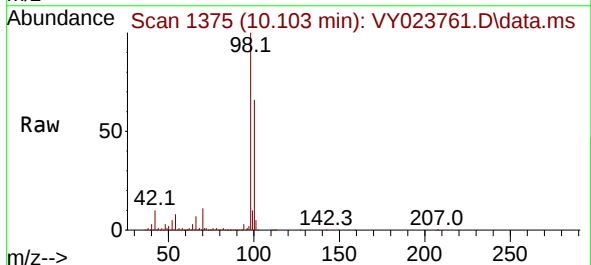
Instrument :
MSVOA_Y
ClientSampleId :
SED-3

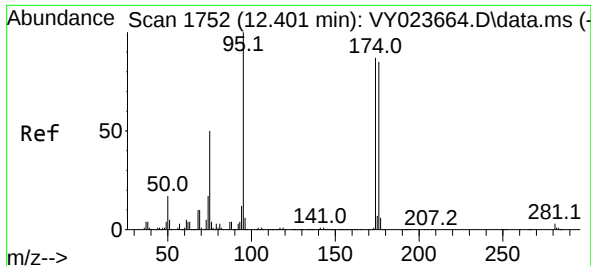
Tgt Ion: 98 Resp: 1406469
Ion Ratio Lower Upper
98 100
100 65.6 52.7 79.1



#51
4-Methyl-2-Pentanone
Concen: 1.311 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.104 min
Lab File: VY023761.D
Acq: 12 Nov 2025 14:01

Tgt Ion: 43 Resp: 5261
Ion Ratio Lower Upper
43 100
58 198.7 34.8 52.2#

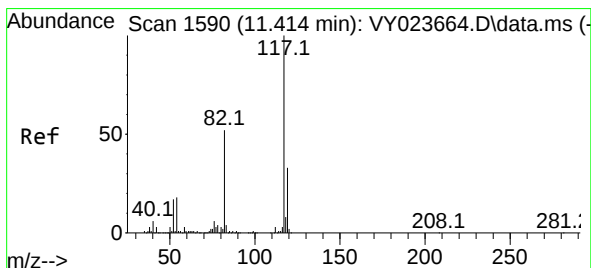
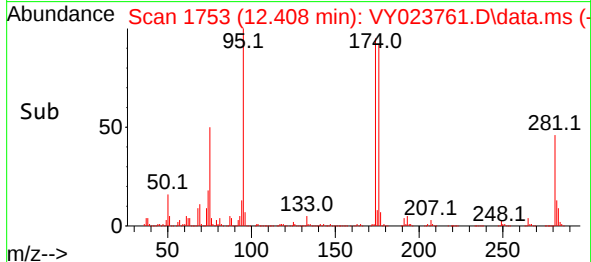
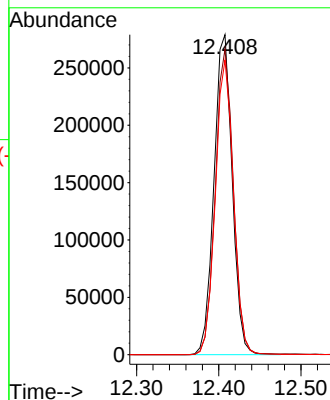
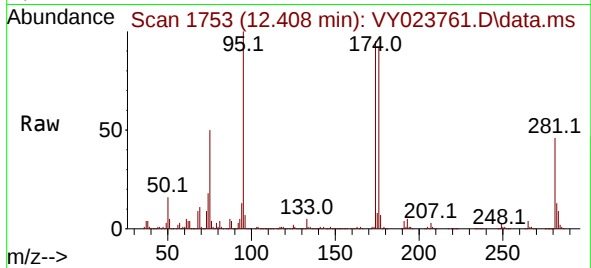




#62
4-Bromofluorobenzene
Concen: 46.010 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023761.D
Acq: 12 Nov 2025 14:01

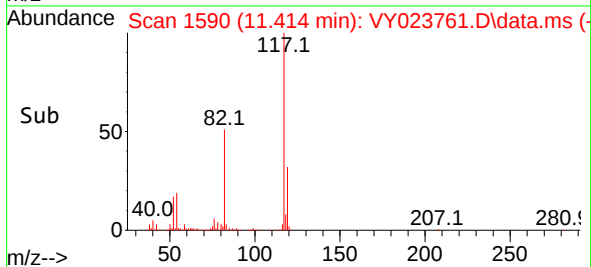
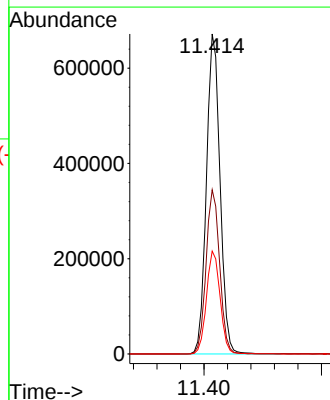
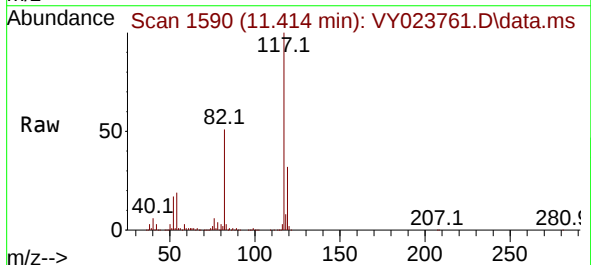
Instrument :
MSVOA_Y
ClientSampleId :
SED-3

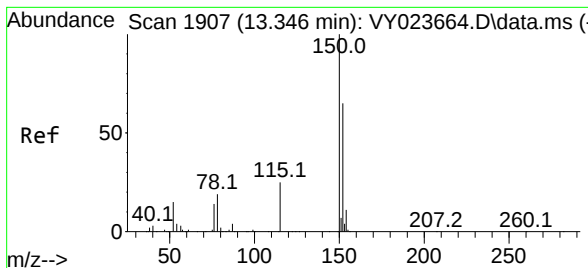
Tgt Ion: 95 Resp: 430192
Ion Ratio Lower Upper
95 100
174 94.6 0.0 184.8
176 91.5 0.0 181.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY023761.D
Acq: 12 Nov 2025 14:01

Tgt Ion: 117 Resp: 1078013
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: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY023761.D

Acq: 12 Nov 2025 14:01

Instrument :

MSVOA_Y

ClientSampleId :

SED-3

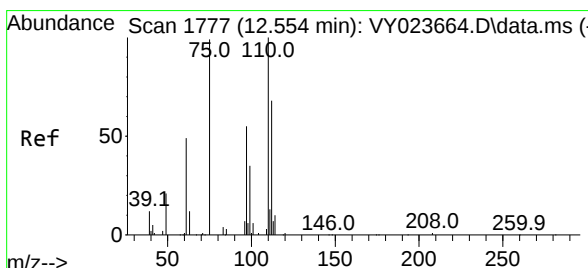
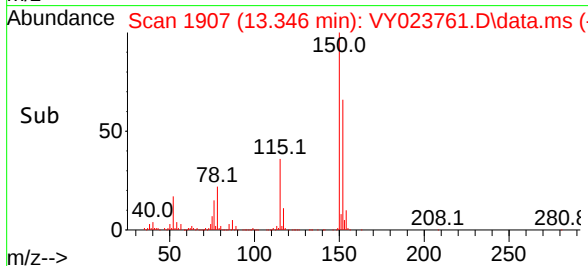
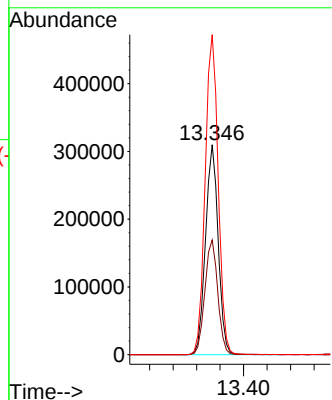
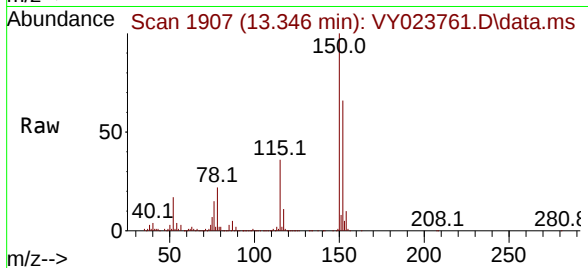
Tgt Ion:152 Resp: 465632

Ion Ratio Lower Upper

152 100

115 55.6 27.5 82.5

150 156.3 0.0 349.0



#76

1,2,3-Trichloropropane

Concen: 56.812 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY023761.D

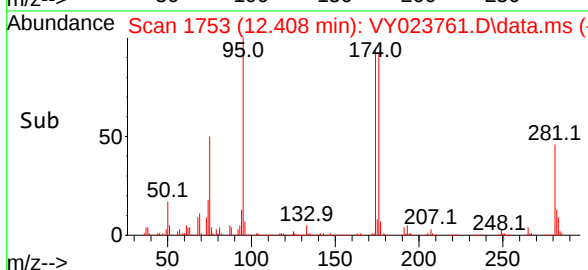
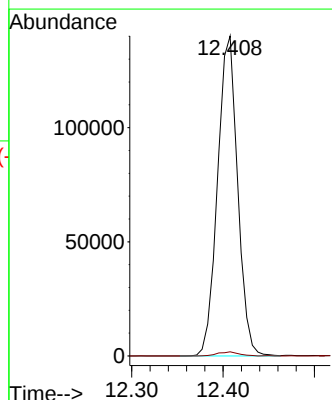
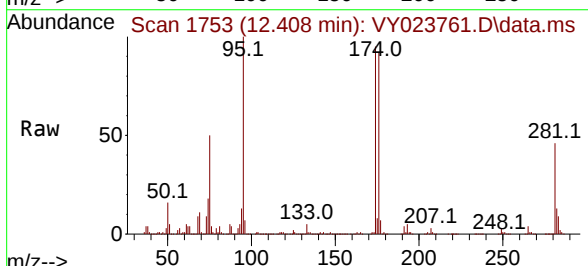
Acq: 12 Nov 2025 14:01

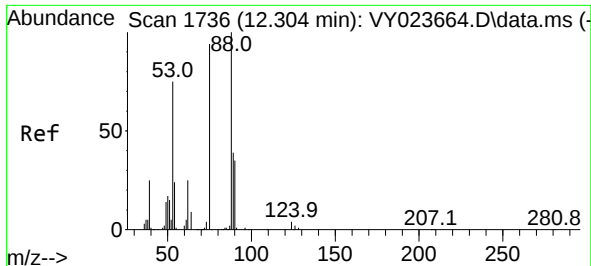
Tgt Ion: 75 Resp: 214090

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#

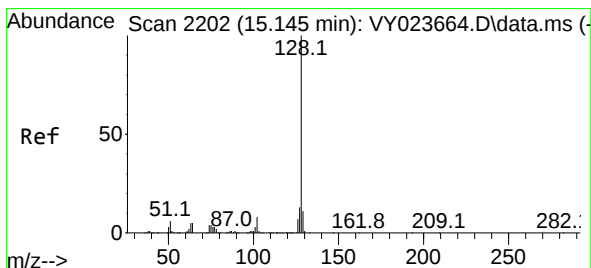
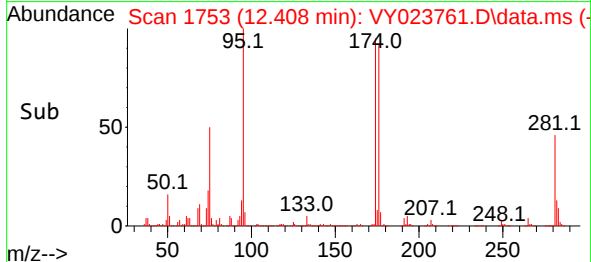
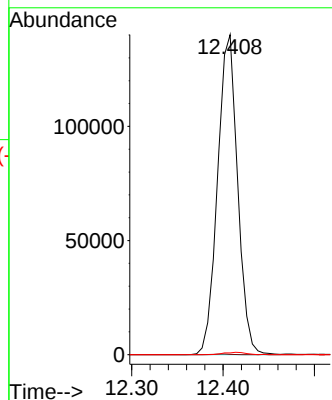
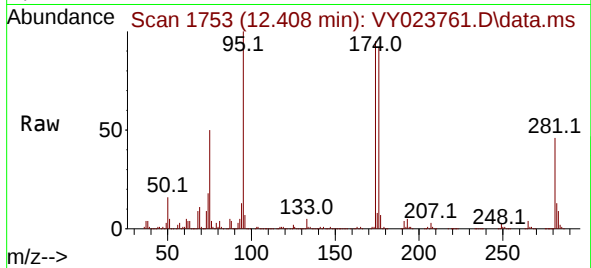




#81
trans-1,4-Dichloro-2-butene
Concen: 128.391 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY023761.D
Acq: 12 Nov 2025 14:01

Instrument :
MSVOA_Y
ClientSampleId :
SED-3

Tgt Ion: 75 Resp: 214090
Ion Ratio Lower Upper
75 100
53 0.2 69.6 104.4#
89 0.8 38.2 57.4#



#95
Naphthalene
Concen: 5.539 ug/l
RT: 15.145 min Scan# 2202
Delta R.T. 0.000 min
Lab File: VY023761.D
Acq: 12 Nov 2025 14:01

Tgt Ion:128 Resp: 4242
Ion Ratio Lower Upper
128 100
127 11.7 10.5 15.7
129 13.0 8.8 13.2

