

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082525\
 Data File : VY023210.D
 Acq On : 25 Aug 2025 15:40
 Operator : SY/MD
 Sample : Q2954-03
 Misc : 5.51g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 25 23:50:43 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

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

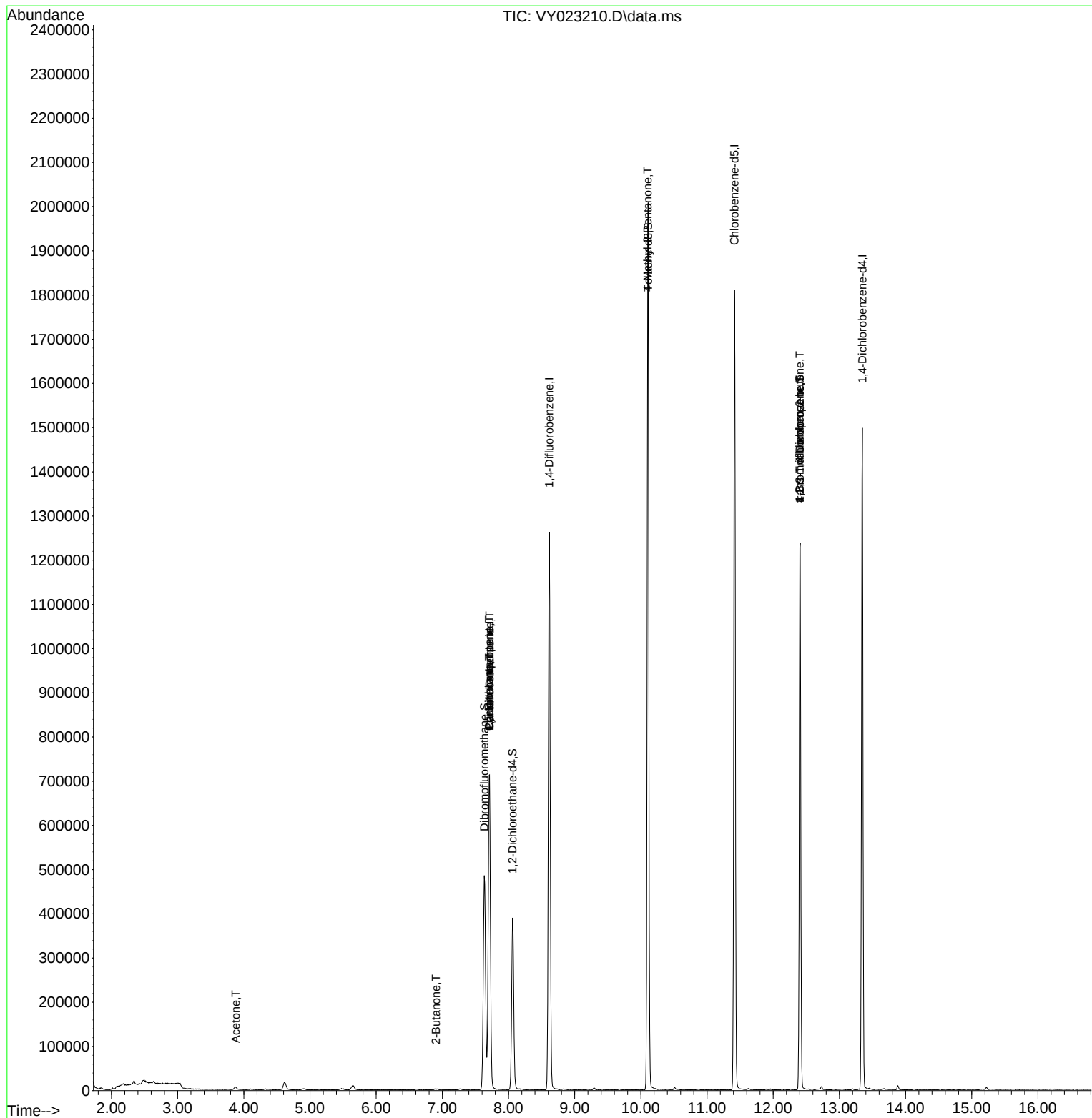
Internal Standards						
1) Pentafluorobenzene	7.713	168	581046	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1096549	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	975088	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	384055	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	303255	54.761	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.520%	
35) Dibromofluoromethane	7.634	113	350946	53.486	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.980%	
50) Toluene-d8	10.109	98	1319569	51.480	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.960%	
62) 4-Bromofluorobenzene	12.402	95	378157	45.874	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 91.740%	
Target Compounds						
					Qvalue	
16) Acetone	3.879	43	9354	7.797	ug/l	96
20) Methylene Chloride	4.622	84	13039	Below Cal	#	84
25) 2-Butanone	6.902	43	3695	2.265	ug/l	92
31) Cyclohexane	7.707	56	10956	1.062	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	43849	4.497	ug/l #	49
38) Carbon Tetrachloride	7.713	117	55464	5.237	ug/l #	17
51) 4-Methyl-2-Pentanone	10.103	43	5451	1.276	ug/l #	1
76) 1,2,3-Trichloropropane	12.402	75	189355	51.087	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.402	75	189355	123.665	ug/l #	14

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

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Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

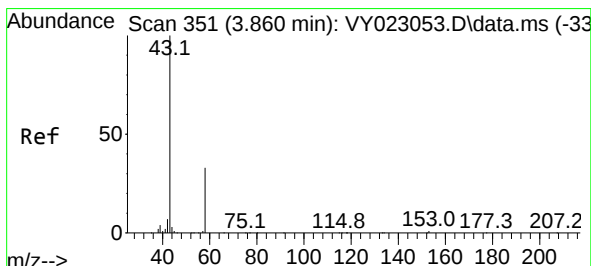
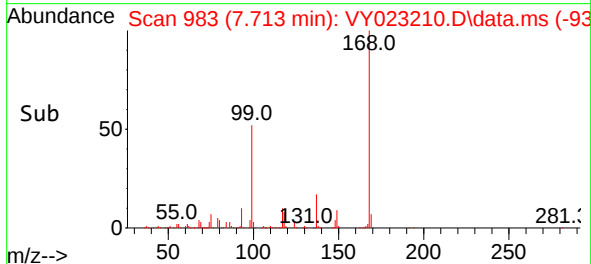
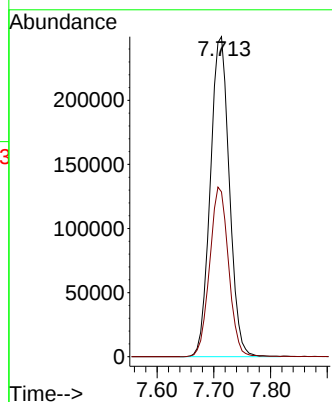
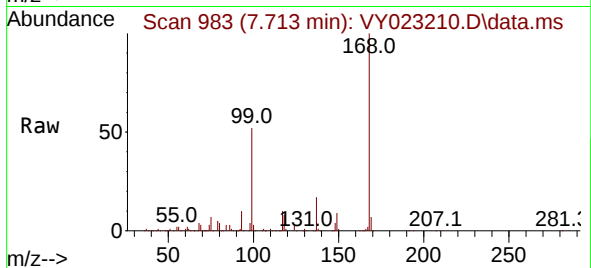




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023210.D
Acq: 25 Aug 2025 15:40

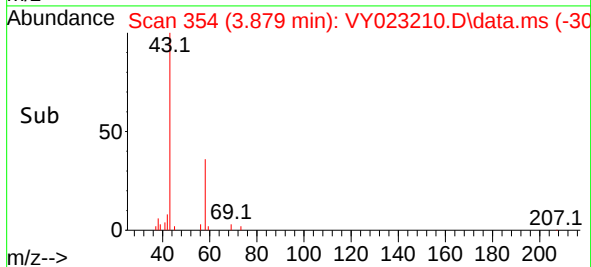
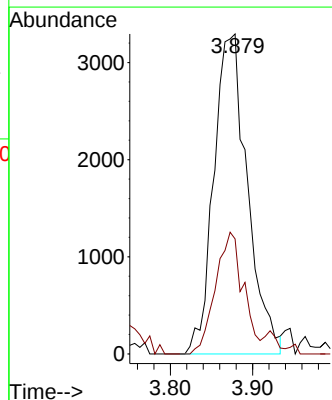
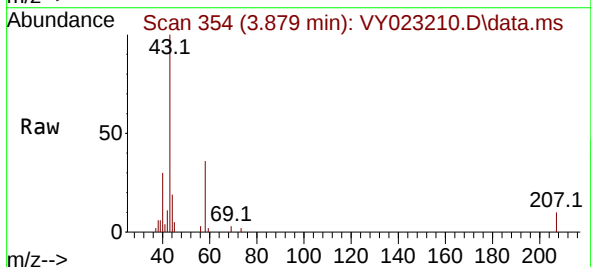
Instrument :
MSVOA_Y
ClientSampleId :

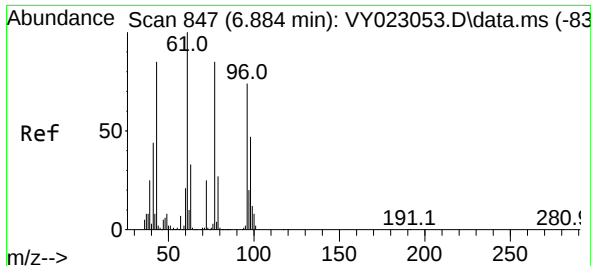
Tgt Ion:168 Resp: 581046
Ion Ratio Lower Upper
168 100
99 51.5 42.8 64.2



#16
Acetone
Concen: 7.797 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.018 min
Lab File: VY023210.D
Acq: 25 Aug 2025 15:40

Tgt Ion: 43 Resp: 9354
Ion Ratio Lower Upper
43 100
58 35.9 27.1 40.7

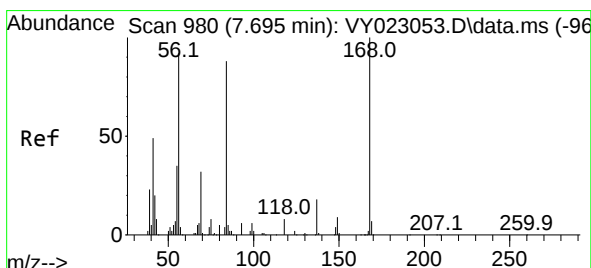
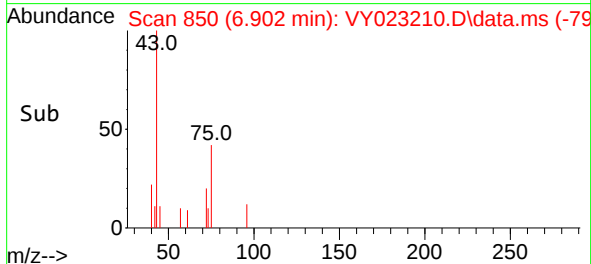
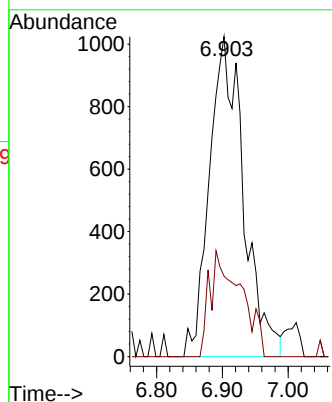
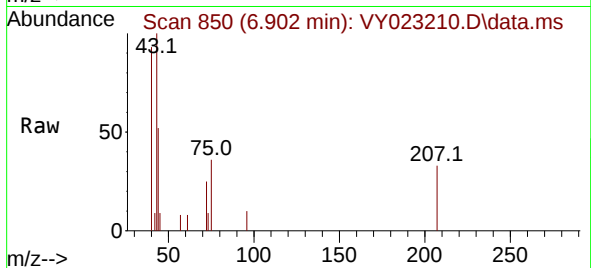




#25
2-Butanone
Concen: 2.265 ug/l
RT: 6.902 min Scan# 847
Delta R.T. 0.018 min
Lab File: VY023210.D
Acq: 25 Aug 2025 15:40

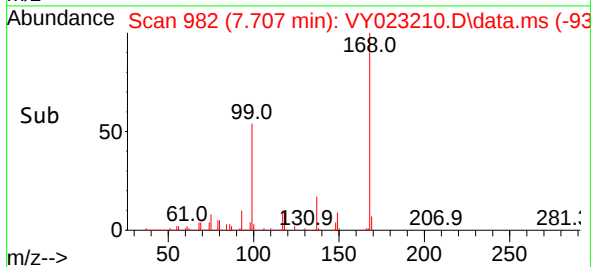
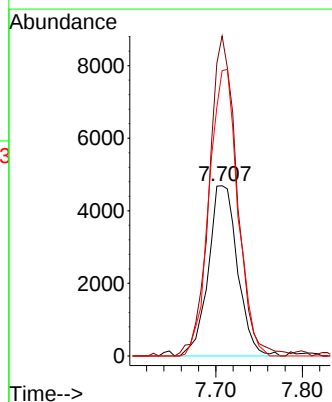
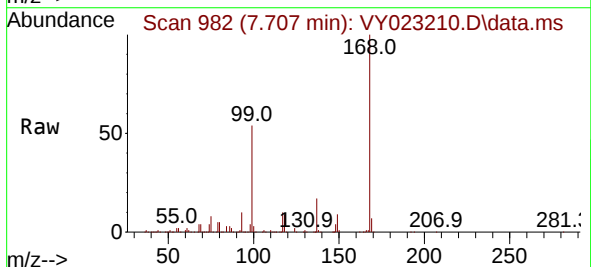
Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 43 Resp: 3695
Ion Ratio Lower Upper
43 100
72 25.2 23.5 35.3



#31
Cyclohexane
Concen: 1.062 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.012 min
Lab File: VY023210.D
Acq: 25 Aug 2025 15:40

Tgt Ion: 56 Resp: 10956
Ion Ratio Lower Upper
56 100
69 186.1 28.2 42.2#
84 167.6 76.6 114.8#





#33

1,2-Dichloroethane-d4

Concen: 54.761 ug/l

RT: 8.061 min Scan# 110

Delta R.T. 0.006 min

Lab File: VY023210.D

Acq: 25 Aug 2025 15:40

Instrument :

MSVOA_Y

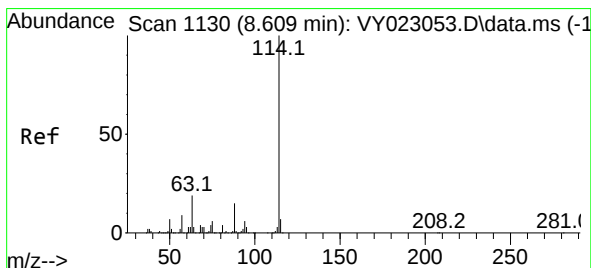
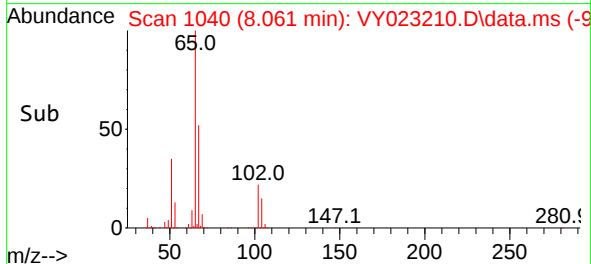
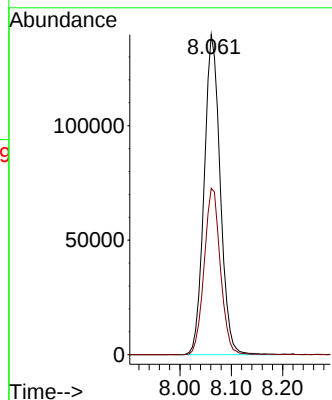
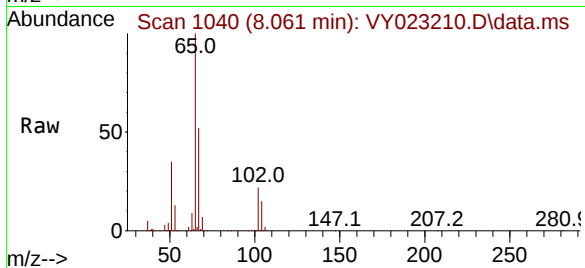
ClientSampleId :

Tgt Ion: 65 Resp: 303255

Ion Ratio Lower Upper

65 100

67 52.5 0.0 106.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VY023210.D

Acq: 25 Aug 2025 15:40

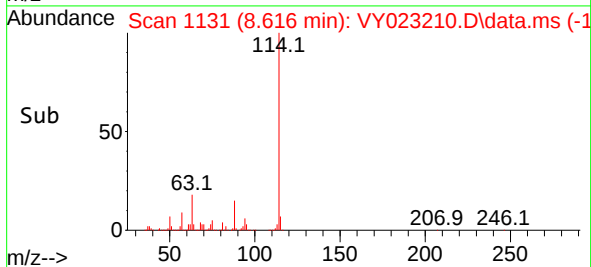
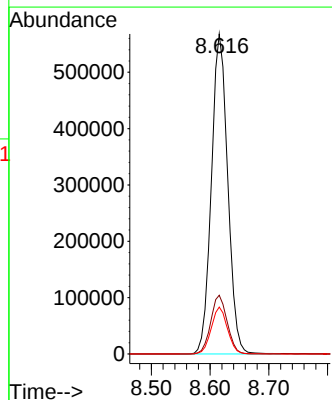
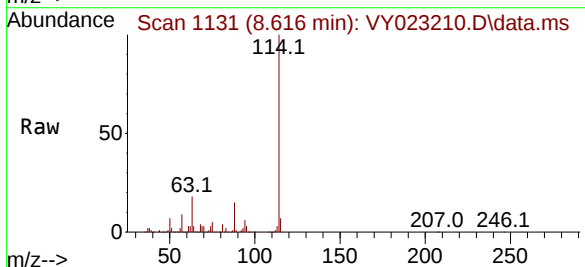
Tgt Ion:114 Resp: 1096549

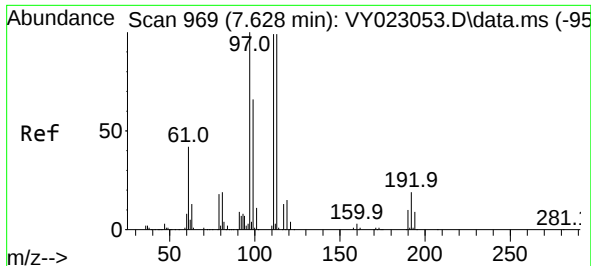
Ion Ratio Lower Upper

114 100

63 18.3 0.0 38.4

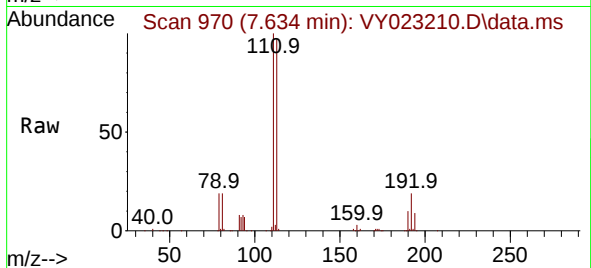
88 14.7 0.0 30.0



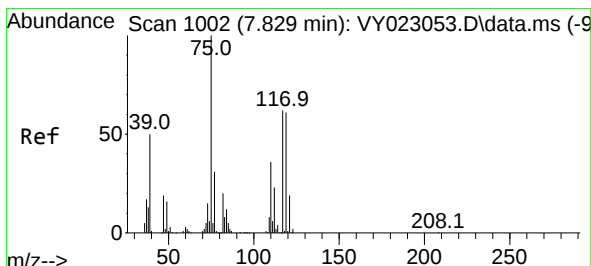
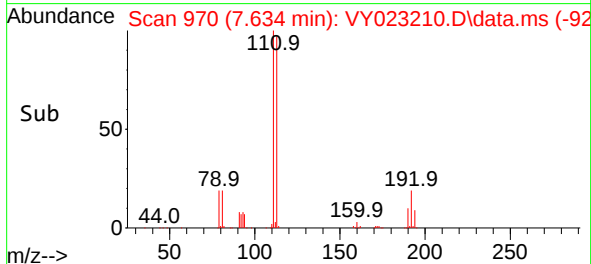
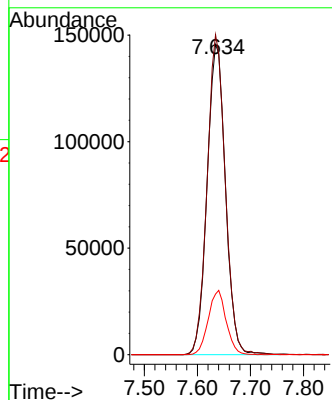


#35
Dibromofluoromethane
Concen: 53.486 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023210.D
Acq: 25 Aug 2025 15:40

Instrument :
MSVOA_Y
ClientSampleId :

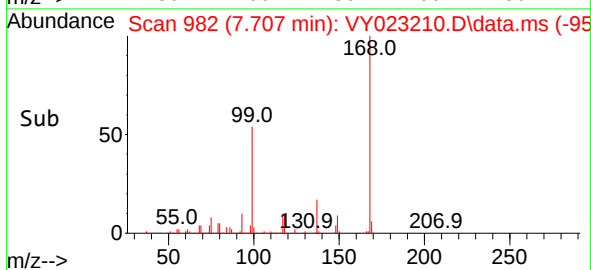
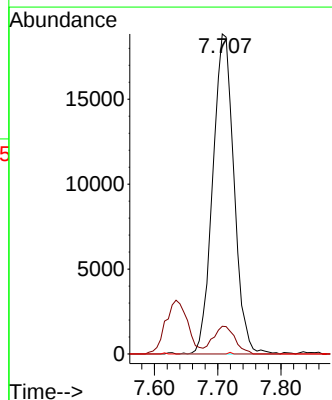
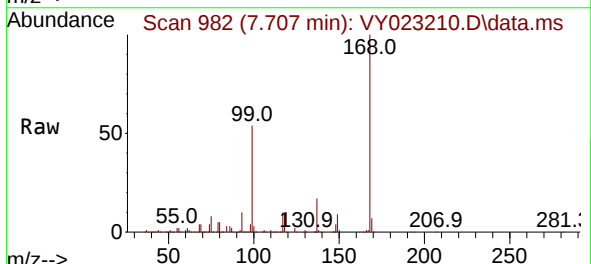


Tgt Ion:113 Resp: 350946
Ion Ratio Lower Upper
113 100
111 101.6 81.1 121.7
192 20.1 16.2 24.4



#36
1,1-Dichloropropene
Concen: 4.497 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.122 min
Lab File: VY023210.D
Acq: 25 Aug 2025 15:40

Tgt Ion: 75 Resp: 43849
Ion Ratio Lower Upper
75 100
110 8.9 18.1 54.4#
77 0.1 24.6 37.0#

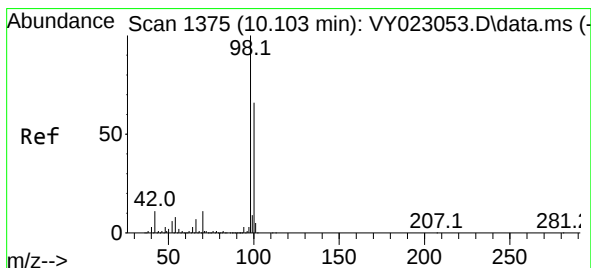
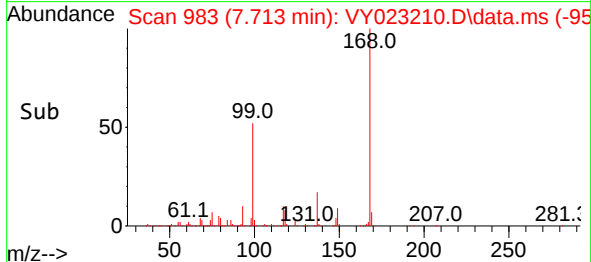
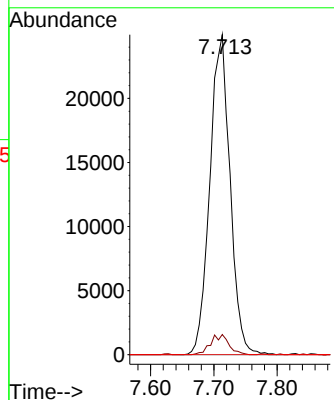
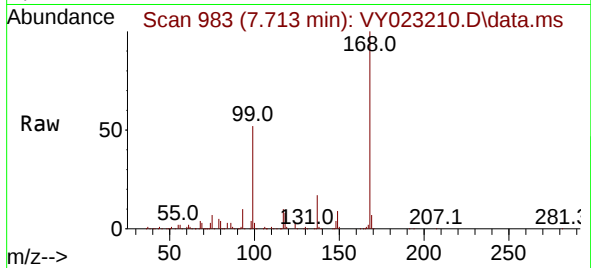




#38
Carbon Tetrachloride
Concen: 5.237 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY023210.D
Acq: 25 Aug 2025 15:40

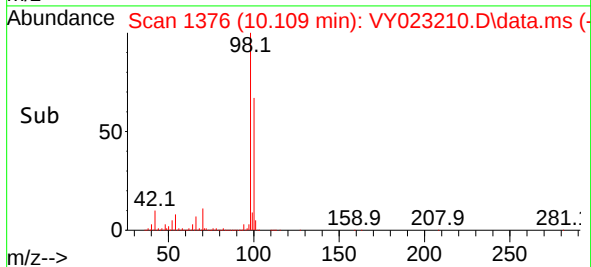
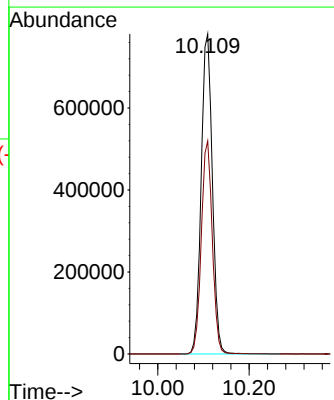
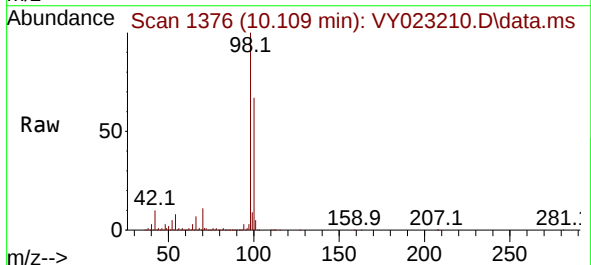
Instrument :
MSVOA_Y
ClientSampleId :

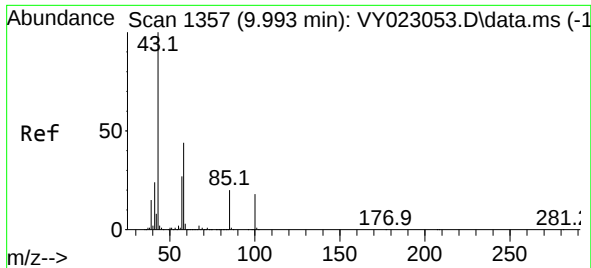
Tgt Ion:117 Resp: 55464
Ion Ratio Lower Upper
117 100
119 6.3 75.6 113.4#
121 0.0 25.8 38.8#



#50
Toluene-d8
Concen: 51.480 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023210.D
Acq: 25 Aug 2025 15:40

Tgt Ion: 98 Resp: 1319569
Ion Ratio Lower Upper
98 100
100 65.5 52.3 78.5

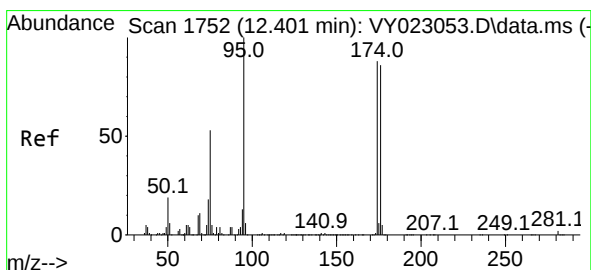
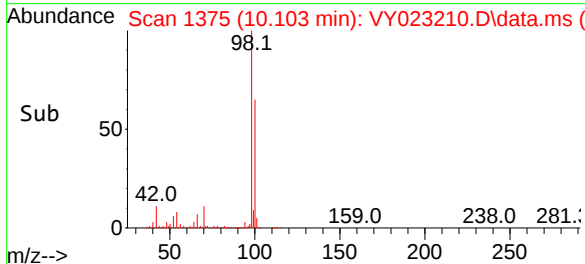
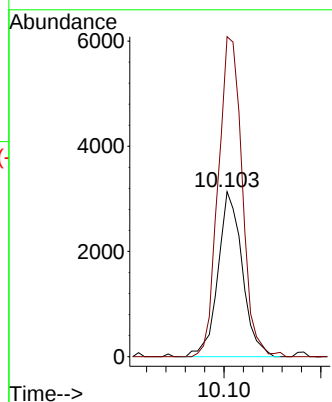
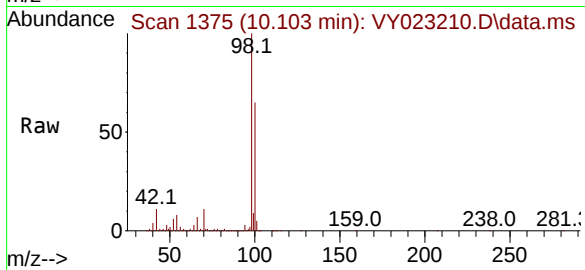




#51
4-Methyl-2-Pentanone
Concen: 1.276 ug/l
RT: 10.103 min Scan# 11
Delta R.T. 0.110 min
Lab File: VY023210.D
Acq: 25 Aug 2025 15:40

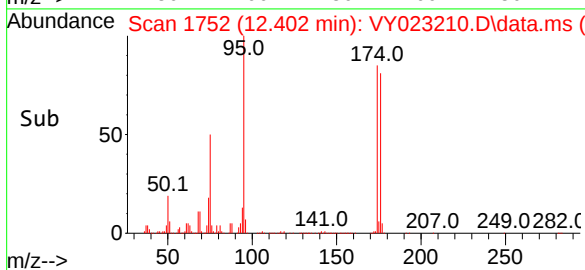
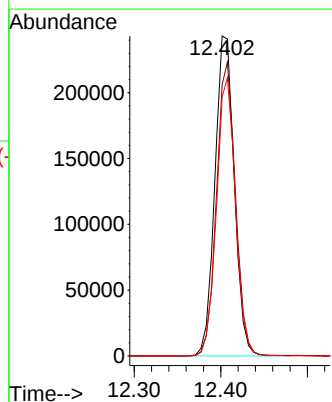
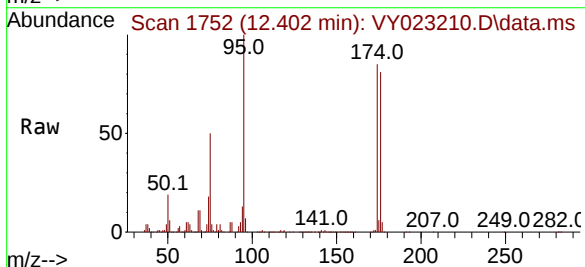
Instrument :
MSVOA_Y
ClientSampleId :

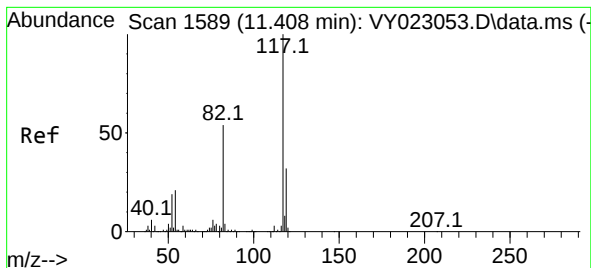
Tgt Ion: 43 Resp: 5451
Ion Ratio Lower Upper
43 100
58 191.5 33.5 50.3#



#62
4-Bromofluorobenzene
Concen: 45.874 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023210.D
Acq: 25 Aug 2025 15:40

Tgt Ion: 95 Resp: 378157
Ion Ratio Lower Upper
95 100
174 89.8 0.0 171.6
176 85.1 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023210.D

Acq: 25 Aug 2025 15:40

Instrument :

MSVOA_Y

ClientSampleId :

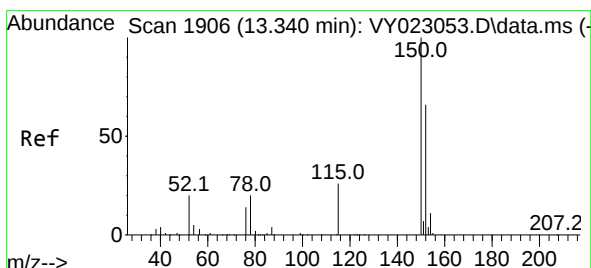
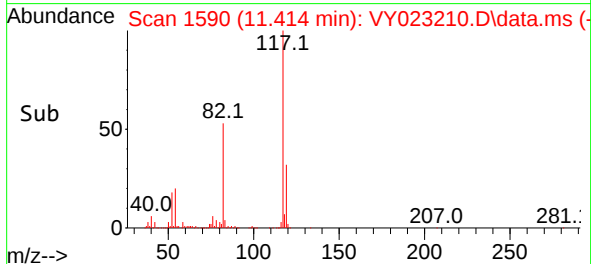
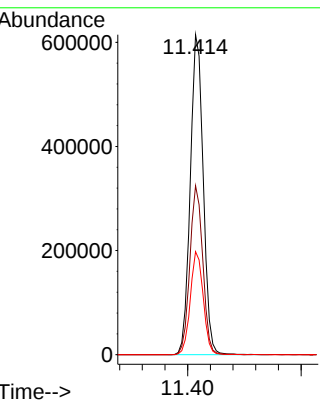
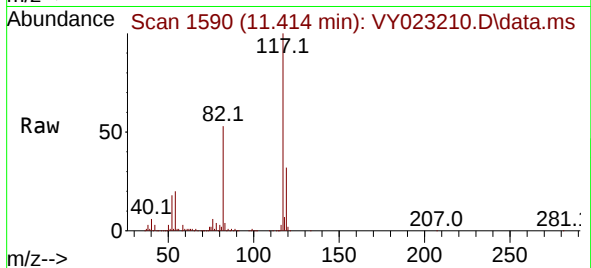
Tgt Ion:117 Resp: 975088

Ion Ratio Lower Upper

117 100

82 52.8 43.4 65.0

119 32.2 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY023210.D

Acq: 25 Aug 2025 15:40

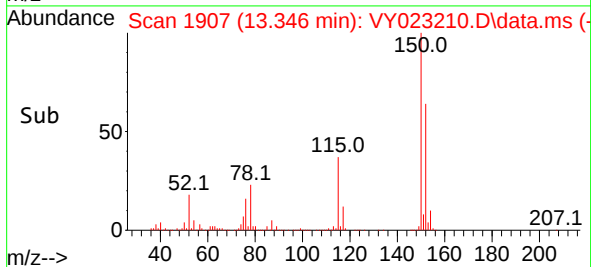
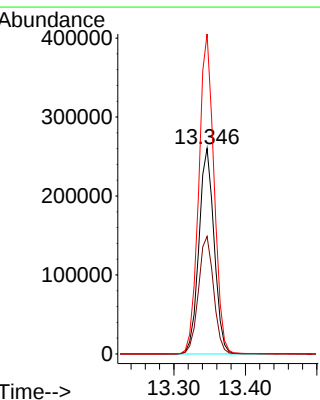
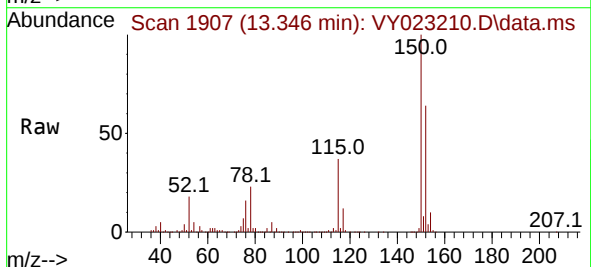
Tgt Ion:152 Resp: 384055

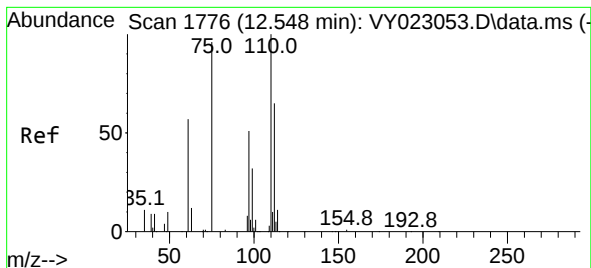
Ion Ratio Lower Upper

152 100

115 57.4 28.2 84.6

150 156.1 0.0 348.0





#76

1,2,3-Trichloropropane

Concen: 51.087 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.146 min

Lab File: VY023210.D

Acq: 25 Aug 2025 15:40

Instrument :

MSVOA_Y

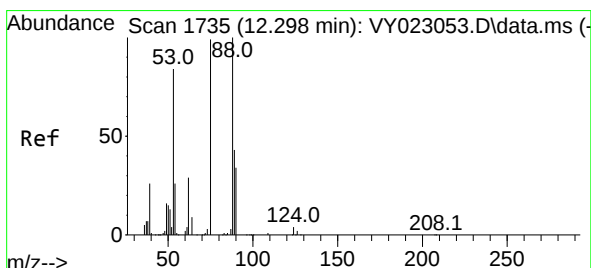
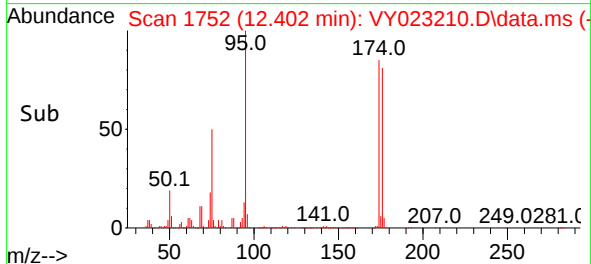
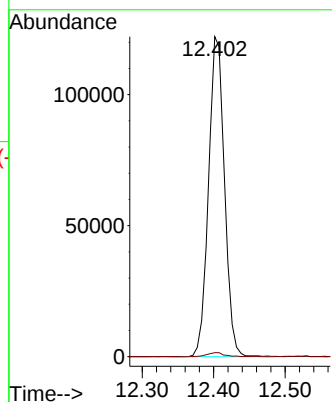
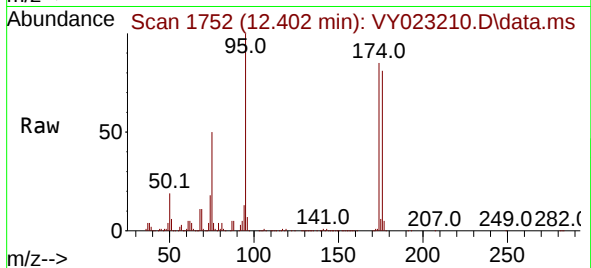
ClientSampleId :

Tgt Ion: 75 Resp: 189355

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 123.665 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. 0.104 min

Lab File: VY023210.D

Acq: 25 Aug 2025 15:40

Tgt Ion: 75 Resp: 189355

Ion Ratio Lower Upper

75 100

53 0.1 70.8 106.2#

89 0.0 38.1 57.1#

