

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103025\
 Data File : VY023631.D
 Acq On : 30 Oct 2025 14:37
 Operator : SY/MD
 Sample : Q3495-02
 Misc : 5.66g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 31 02:41:03 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:12:50 2025
 Response via : Initial Calibration

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

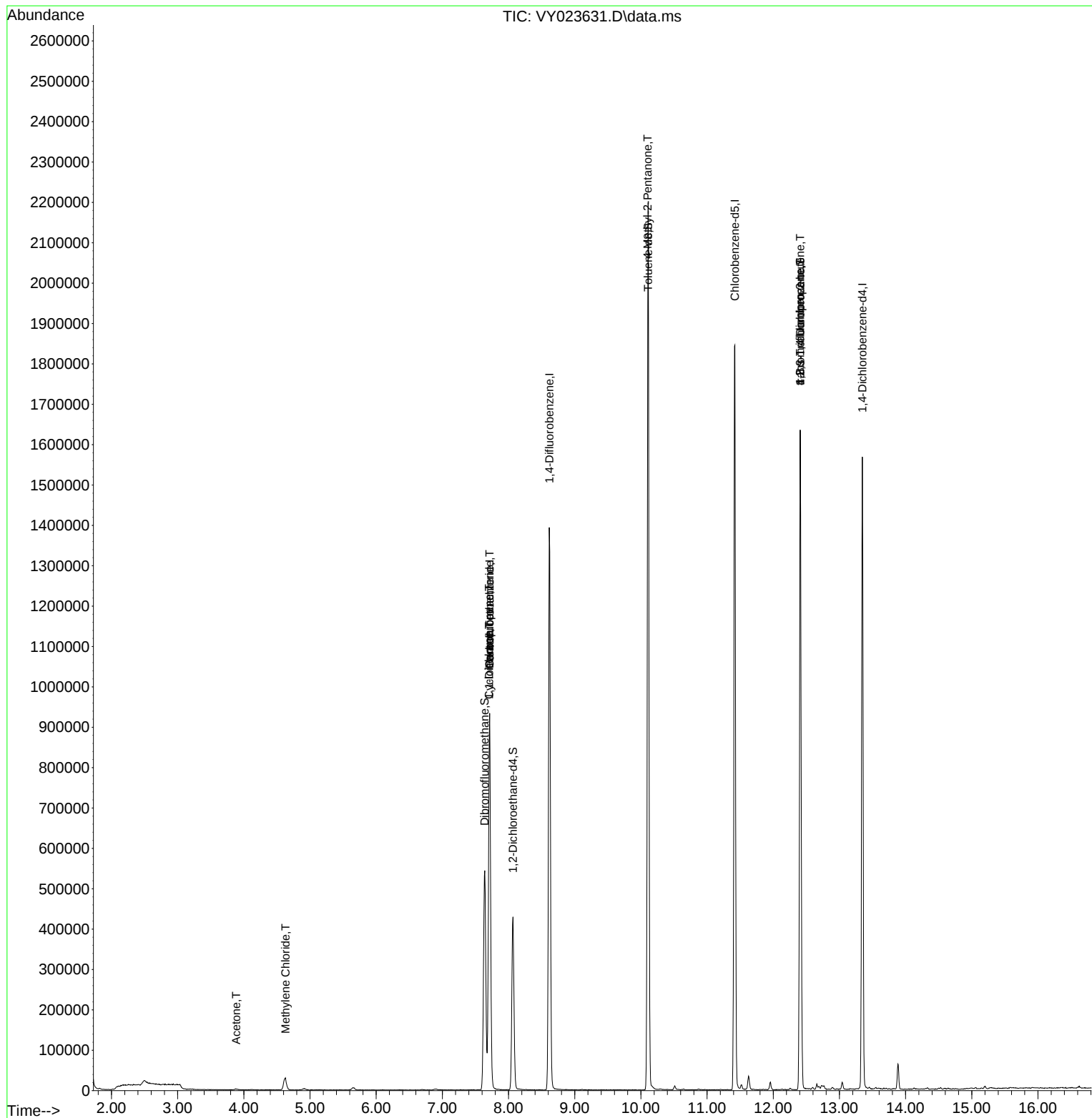
Internal Standards						
1) Pentafluorobenzene	7.713	168	765269	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1282589	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1076446	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	427496	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	338260	52.859	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.720%	
35) Dibromofluoromethane	7.640	113	396330	50.290	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.580%	
50) Toluene-d8	10.109	98	1449464	49.387	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.780%	
62) 4-Bromofluorobenzene	12.408	95	410881	42.404	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 84.800%	
Target Compounds						
					Qvalue	
16) Acetone	3.885	43	3947	2.591	ug/l	96
20) Methylene Chloride	4.629	84	24256	2.944	ug/l	95
31) Cyclohexane	7.707	56	12709	1.194	ug/l #	17
36) 1,1-Dichloropropene	7.707	75	50179	4.809	ug/l #	47
38) Carbon Tetrachloride	7.713	117	71089	5.619	ug/l #	15
51) 4-Methyl-2-Pentanone	10.103	43	5437	1.277	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	202035	53.567	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	202035	131.356	ug/l #	15

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

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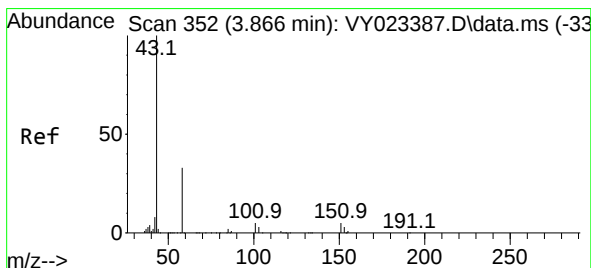
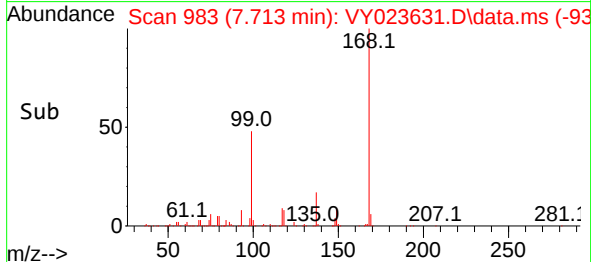
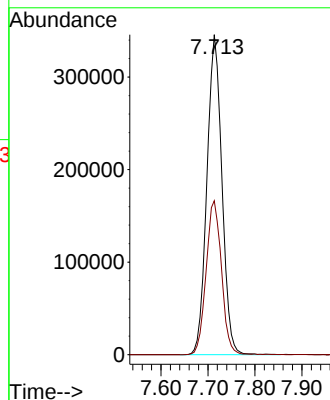
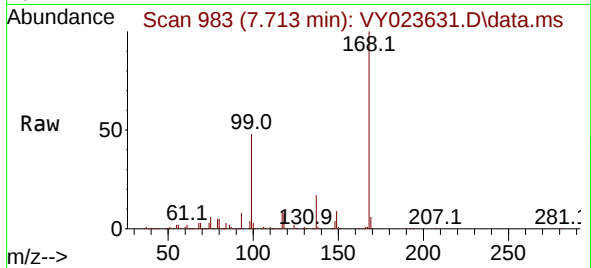




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023631.D
Acq: 30 Oct 2025 14:37

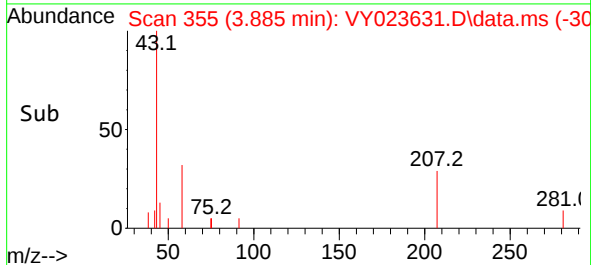
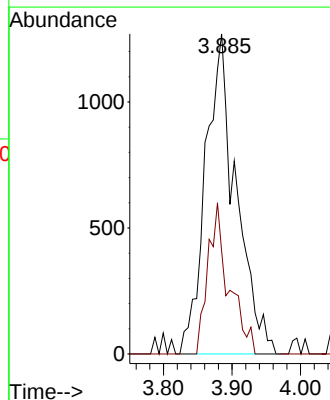
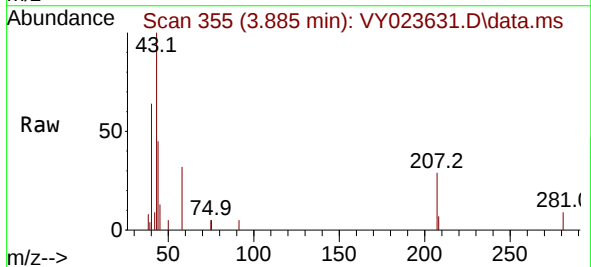
Instrument :
MSVOA_Y
ClientSampleId :

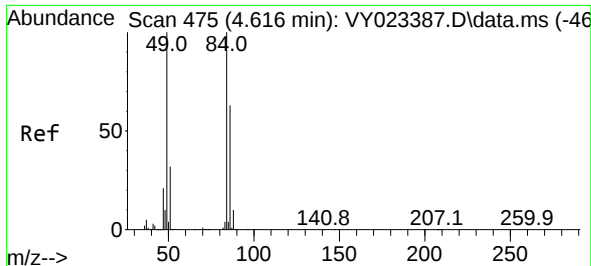
Tgt Ion:168 Resp: 765269
Ion Ratio Lower Upper
168 100
99 48.1 39.7 59.5



#16
Acetone
Concen: 2.591 ug/l
RT: 3.885 min Scan# 355
Delta R.T. 0.018 min
Lab File: VY023631.D
Acq: 30 Oct 2025 14:37

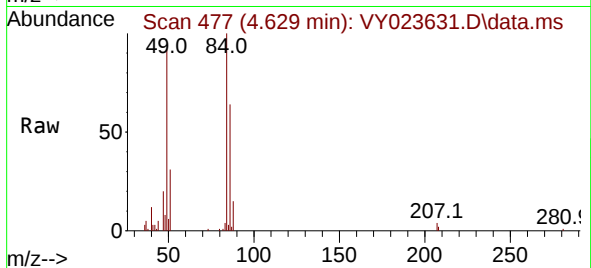
Tgt Ion: 43 Resp: 3947
Ion Ratio Lower Upper
43 100
58 32.1 27.7 41.5



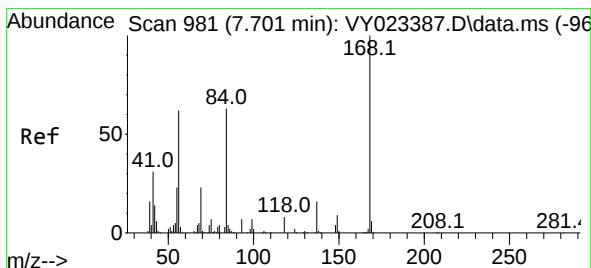
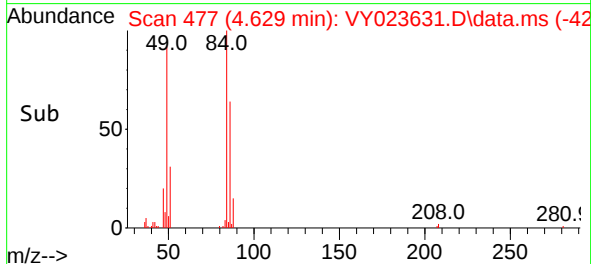
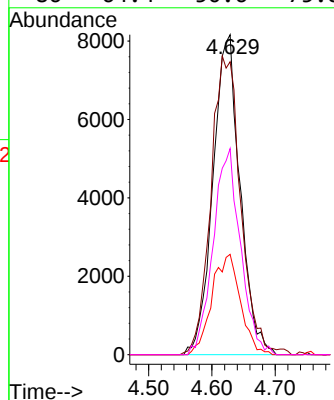


#20
Methylene Chloride
Concen: 2.944 ug/l
RT: 4.629 min Scan# 41
Delta R.T. 0.012 min
Lab File: VY023631.D
Acq: 30 Oct 2025 14:37

Instrument :
MSVOA_Y
ClientSampleId :

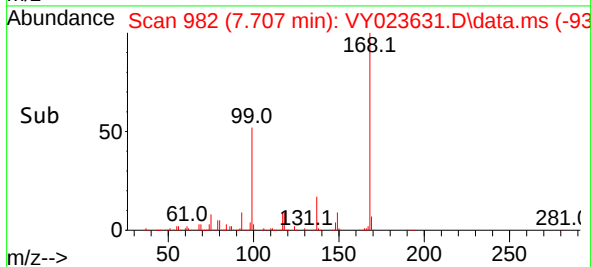
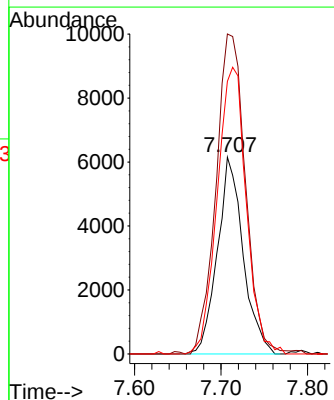
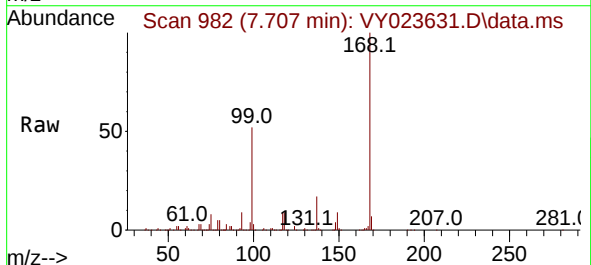


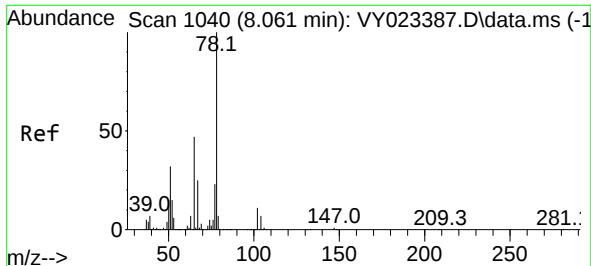
Tgt Ion:	84	Resp:	24256
Ion	Ratio	Lower	Upper
84	100		
49	91.6	80.2	120.4
51	31.4	25.9	38.9
86	64.4	50.6	75.8



#31
Cyclohexane
Concen: 1.194 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY023631.D
Acq: 30 Oct 2025 14:37

Tgt Ion:	56	Resp:	12709
Ion	Ratio	Lower	Upper
56	100		
69	161.7	30.0	45.0#
84	138.5	81.2	121.8#





#33

1,2-Dichloroethane-d4

Concen: 52.859 ug/l

RT: 8.067 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VY023631.D

Acq: 30 Oct 2025 14:37

Instrument :

MSVOA_Y

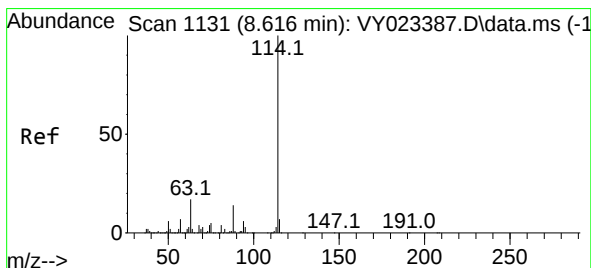
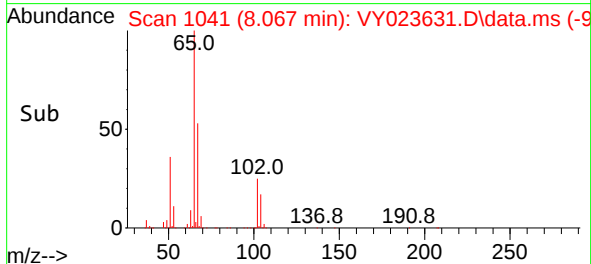
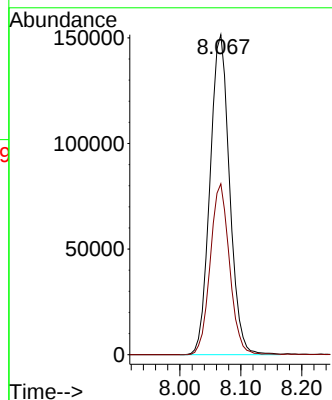
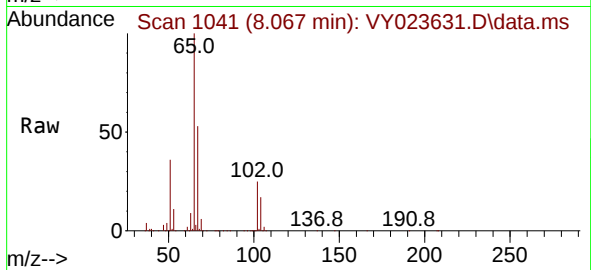
ClientSampleId :

Tgt Ion: 65 Resp: 338260

Ion Ratio Lower Upper

65 100

67 52.5 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY023631.D

Acq: 30 Oct 2025 14:37

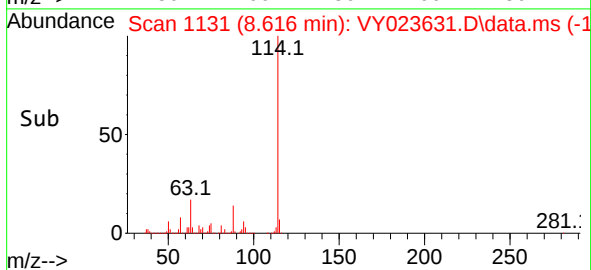
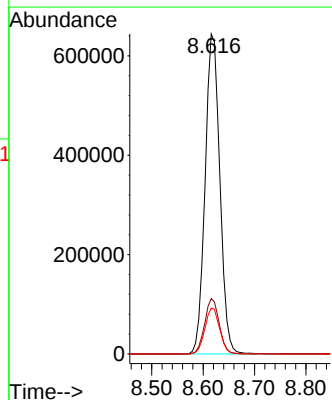
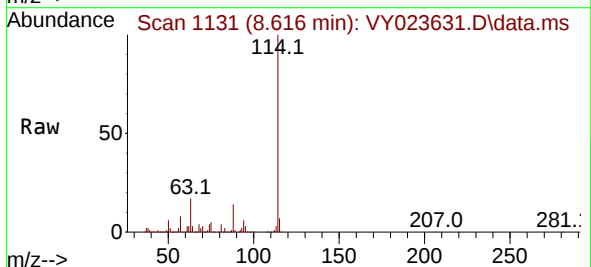
Tgt Ion:114 Resp: 1282589

Ion Ratio Lower Upper

114 100

63 17.3 0.0 34.2

88 14.4 0.0 28.4

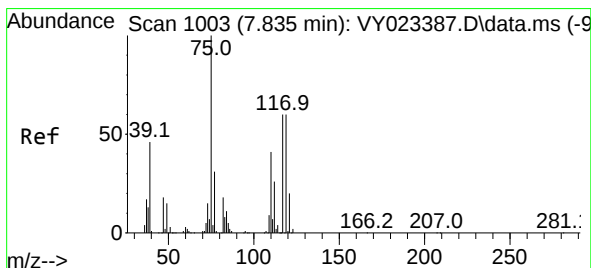
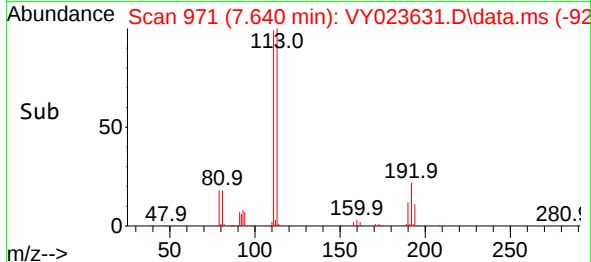
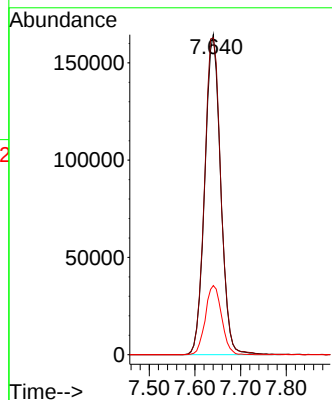
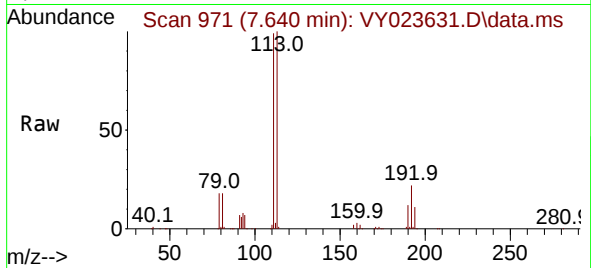




#35
Dibromofluoromethane
Concen: 50.290 ug/l
RT: 7.640 min Scan# 911
Delta R.T. 0.006 min
Lab File: VY023631.D
Acq: 30 Oct 2025 14:37

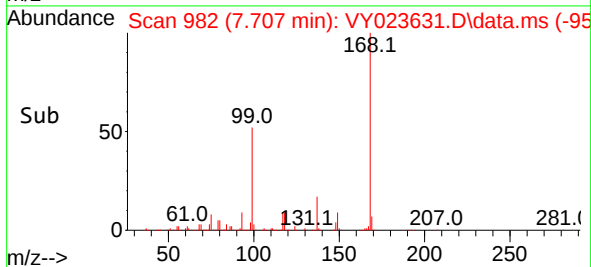
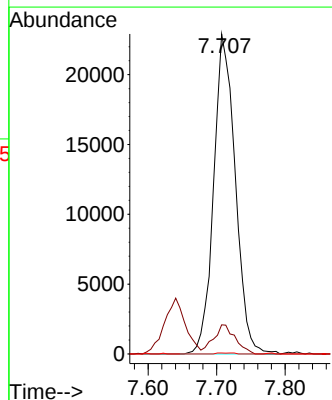
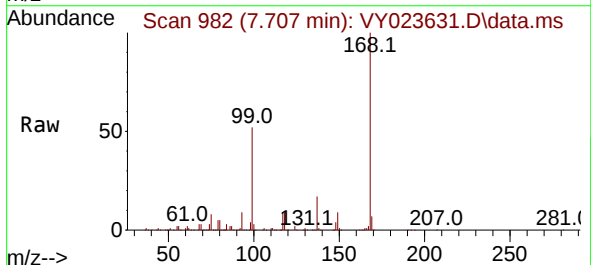
Instrument :
MSVOA_Y
ClientSampleId :

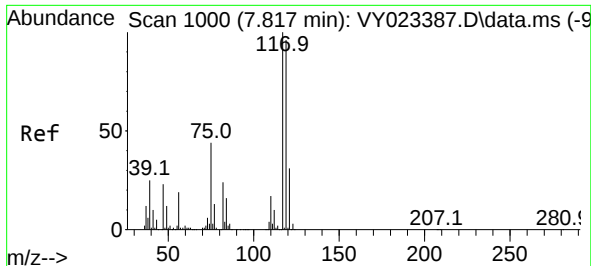
Tgt Ion:113 Resp: 396330
Ion Ratio Lower Upper
113 100
111 102.0 81.8 122.6
192 22.2 18.0 27.0



#36
1,1-Dichloropropene
Concen: 4.809 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY023631.D
Acq: 30 Oct 2025 14:37

Tgt Ion: 75 Resp: 50179
Ion Ratio Lower Upper
75 100
110 9.1 19.9 59.7#
77 0.2 25.0 37.6#

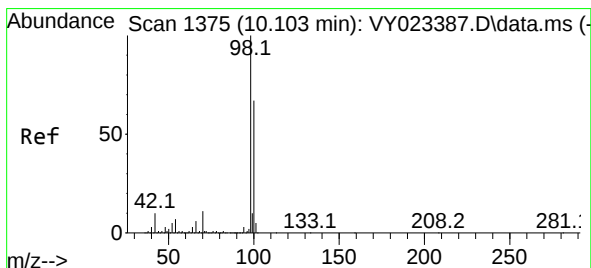
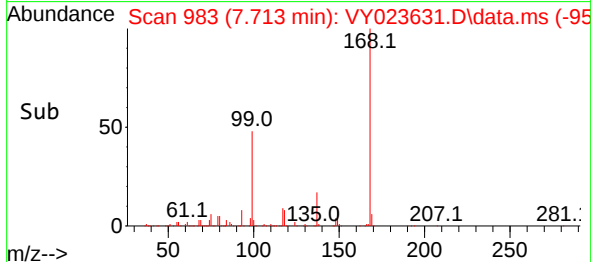
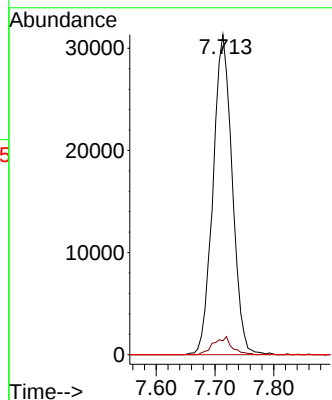
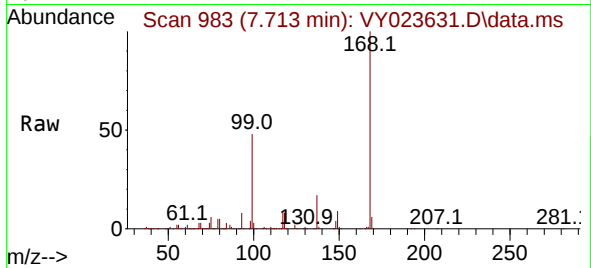




#38
Carbon Tetrachloride
Concen: 5.619 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY023631.D
Acq: 30 Oct 2025 14:37

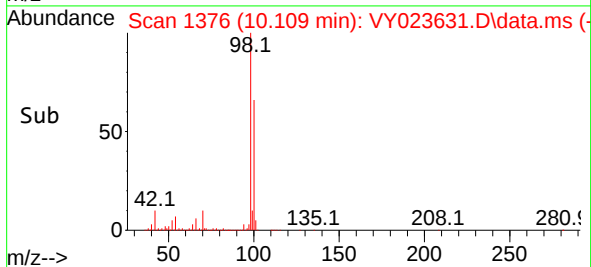
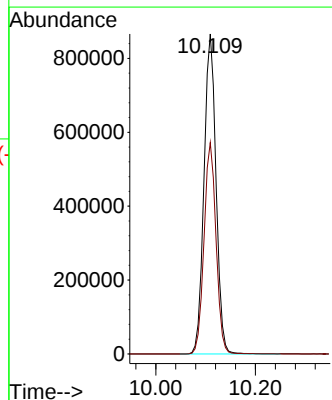
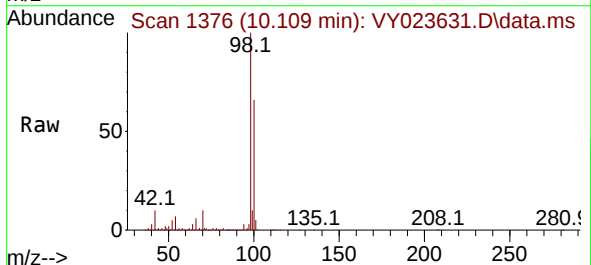
Instrument :
MSVOA_Y
ClientSampleId :

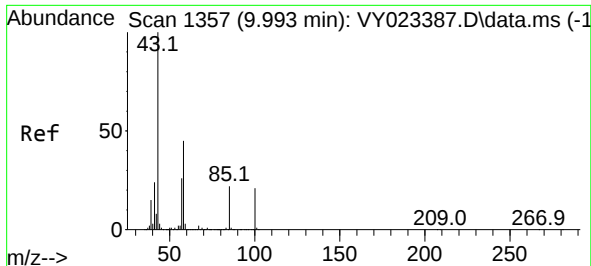
Tgt Ion:117 Resp: 71089
Ion Ratio Lower Upper
117 100
119 4.4 76.8 115.2#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 49.387 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023631.D
Acq: 30 Oct 2025 14:37

Tgt Ion: 98 Resp: 1449464
Ion Ratio Lower Upper
98 100
100 65.8 53.0 79.4

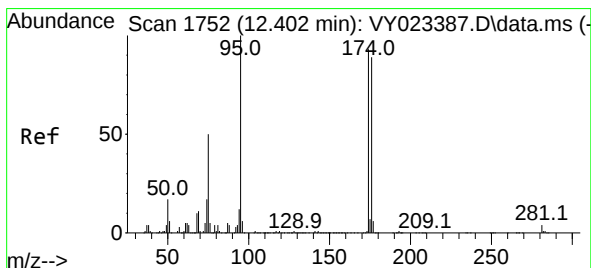
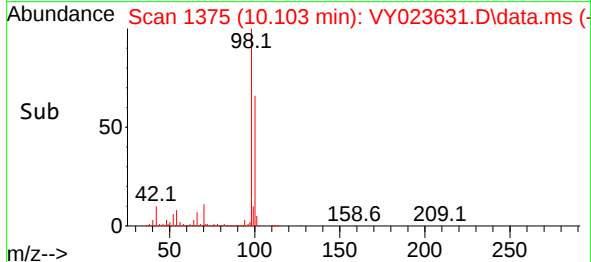
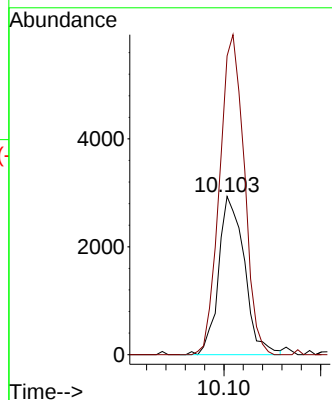
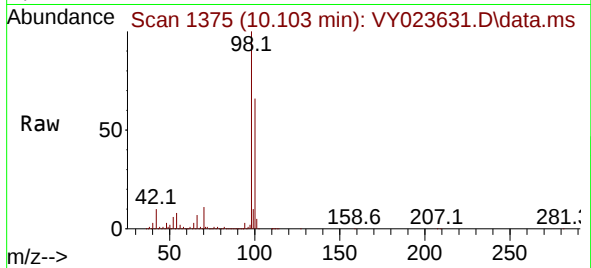




#51
4-Methyl-2-Pentanone
Concen: 1.277 ug/l
RT: 10.103 min Scan# 11
Delta R.T. 0.110 min
Lab File: VY023631.D
Acq: 30 Oct 2025 14:37

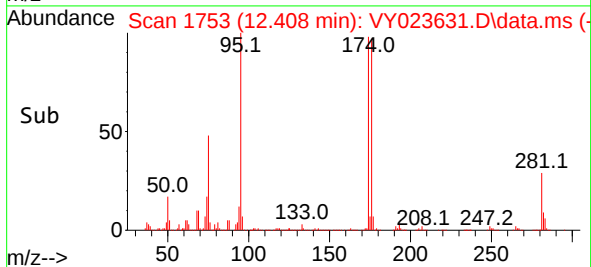
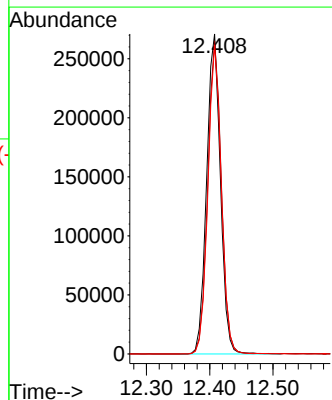
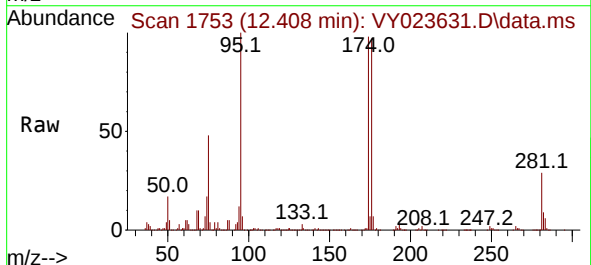
Instrument :
MSVOA_Y
ClientSampleId :

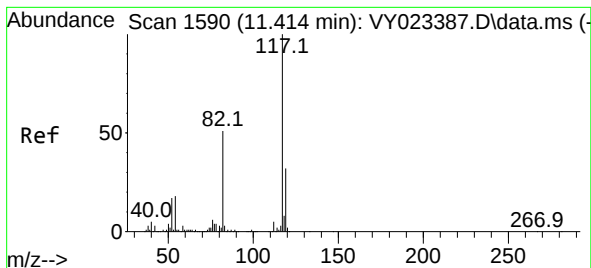
Tgt Ion: 43 Resp: 5437
Ion Ratio Lower Upper
43 100
58 193.1 35.3 52.9#



#62
4-Bromofluorobenzene
Concen: 42.404 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023631.D
Acq: 30 Oct 2025 14:37

Tgt Ion: 95 Resp: 410881
Ion Ratio Lower Upper
95 100
174 96.9 0.0 192.8
176 94.0 0.0 187.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023631.D

Acq: 30 Oct 2025 14:37

Instrument :

MSVOA_Y

ClientSampleId :

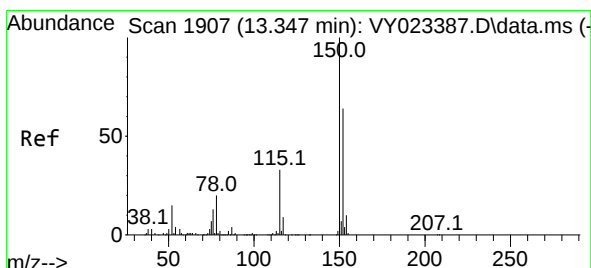
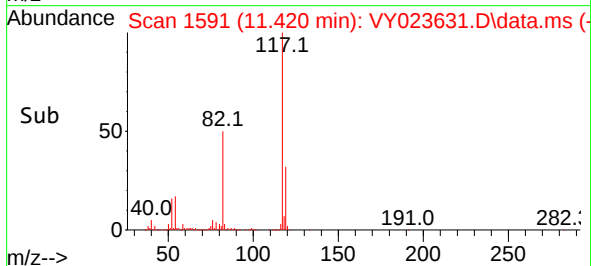
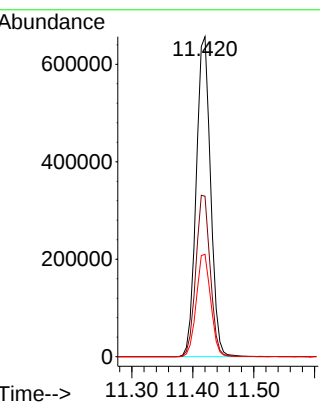
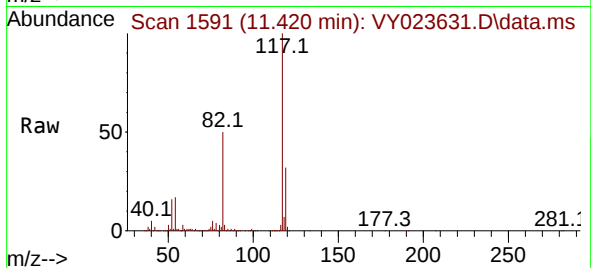
Tgt Ion:117 Resp: 1076446

Ion Ratio Lower Upper

117 100

82 50.1 41.0 61.4

119 32.0 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY023631.D

Acq: 30 Oct 2025 14:37

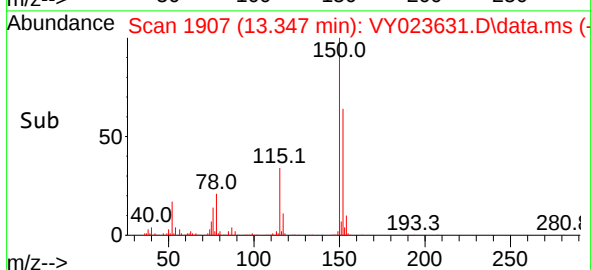
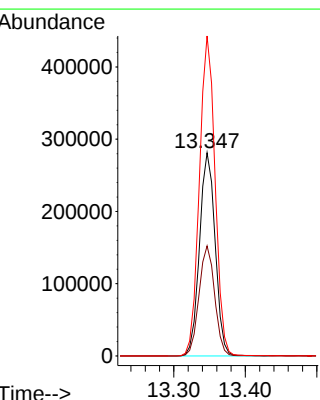
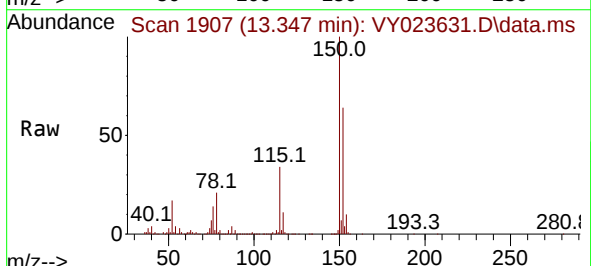
Tgt Ion:152 Resp: 427496

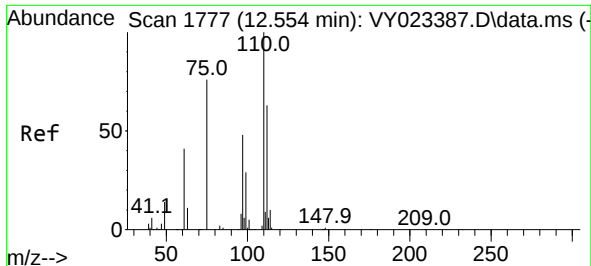
Ion Ratio Lower Upper

152 100

115 54.4 27.1 81.2

150 157.8 0.0 347.4

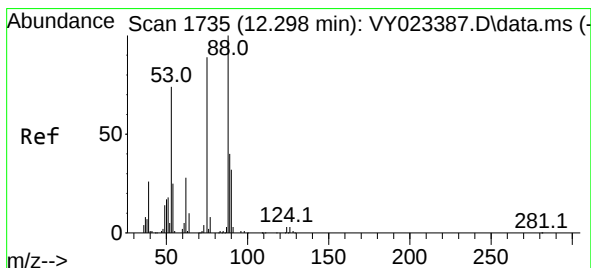
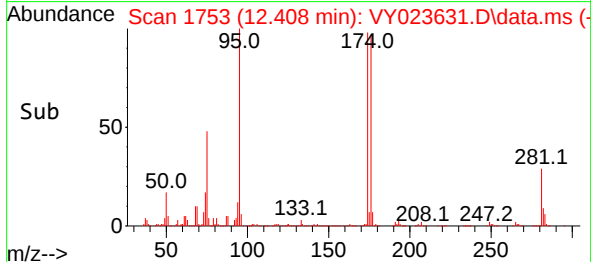
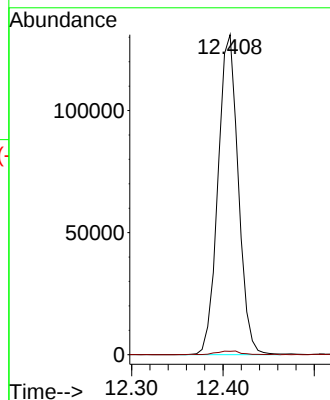
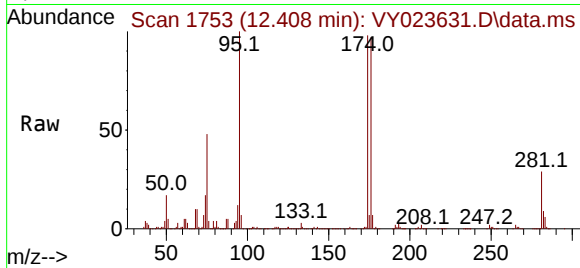




#76
1,2,3-Trichloropropane
Concen: 53.567 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY023631.D
Acq: 30 Oct 2025 14:37

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 202035
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 131.356 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.110 min
Lab File: VY023631.D
Acq: 30 Oct 2025 14:37

Tgt Ion: 75 Resp: 202035
Ion Ratio Lower Upper
75 100
53 0.2 68.6 102.8#
89 0.4 39.0 58.4#

