

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103025\
 Data File : VY023633.D
 Acq On : 30 Oct 2025 15:24
 Operator : SY/MD
 Sample : Q3497-01
 Misc : 8.21g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 31 02:41:44 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)

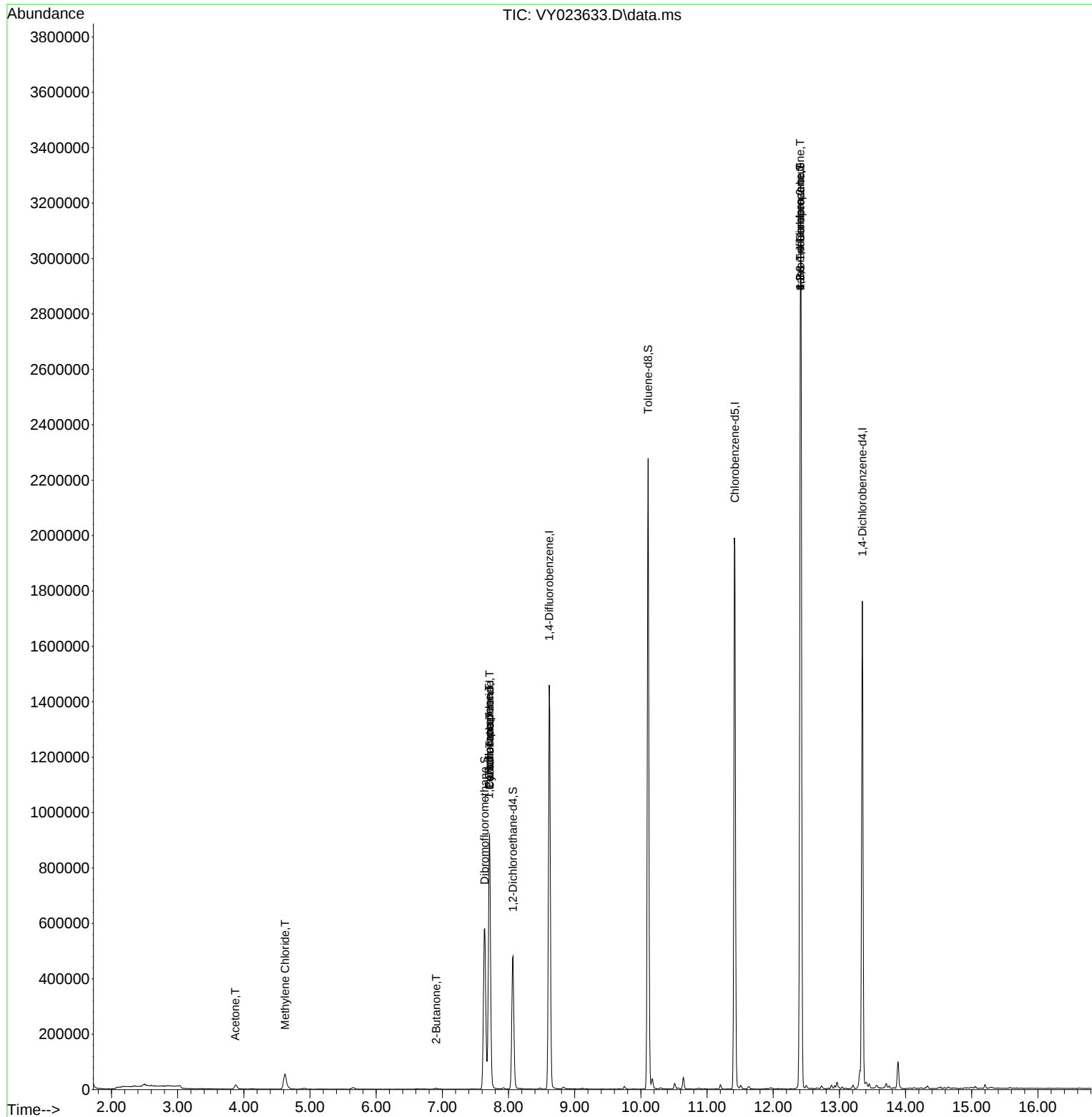
Internal Standards						
1) Pentafluorobenzene	7.713	168	759500	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	1317129	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1135943	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	470265	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	375358	59.102	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 118.200%	
35) Dibromofluoromethane	7.640	113	425644	52.593	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.180%	
50) Toluene-d8	10.109	98	1494697	49.592	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.180%	
62) 4-Bromofluorobenzene	12.407	95	459738	46.202	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 92.400%	
Target Compounds						
					Qvalue	
16) Acetone	3.872	43	27194	17.986	ug/l	95
20) Methylene Chloride	4.622	84	43591	5.332	ug/l	96
25) 2-Butanone	6.908	43	2889	1.565	ug/l #	87
31) Cyclohexane	7.713	56	13906	1.316	ug/l #	17
36) 1,1-Dichloropropene	7.707	75	50207	4.686	ug/l #	48
38) Carbon Tetrachloride	7.713	117	69059	5.316	ug/l #	16
76) 1,2,3-Trichloropropane	12.407	75	238079	57.382	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	238079	140.712	ug/l #	16

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

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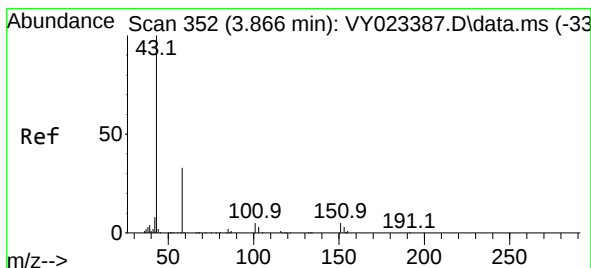
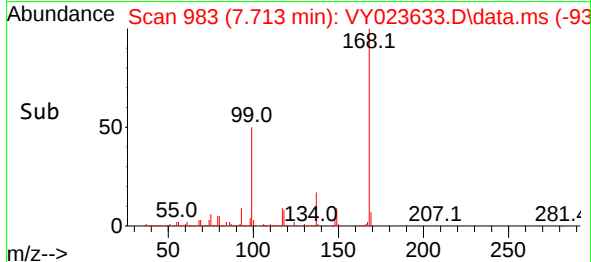
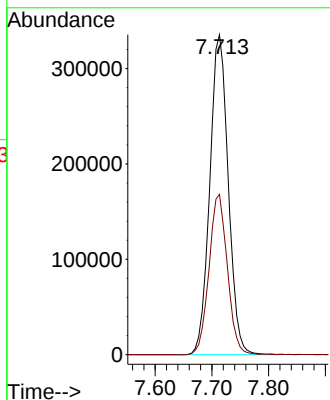
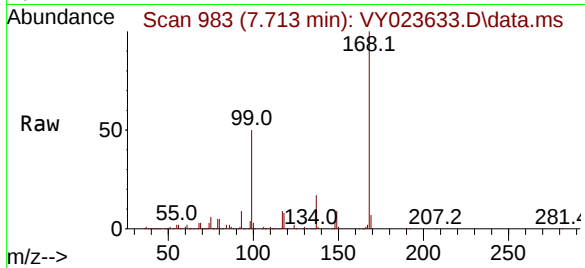




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023633.D
Acq: 30 Oct 2025 15:24

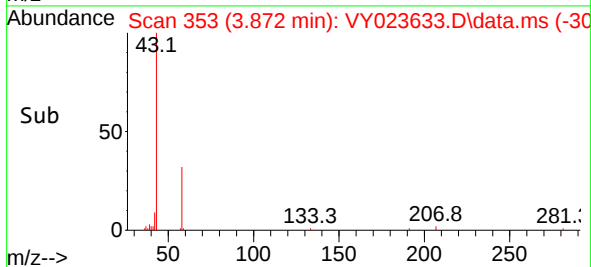
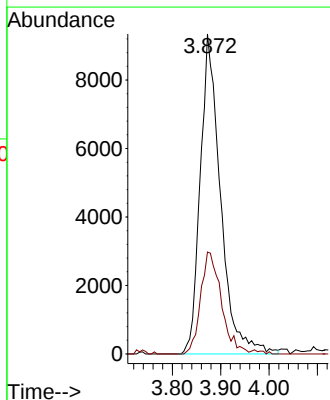
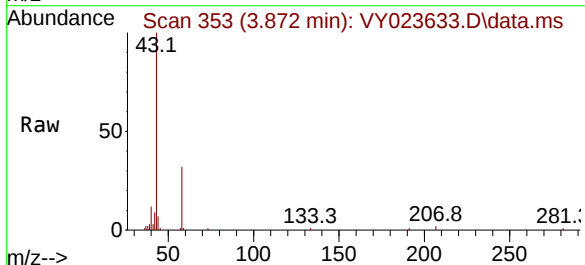
Instrument :
MSVOA_Y
ClientSampleId :

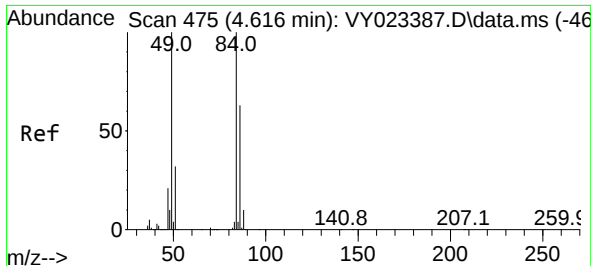
Tgt Ion:168 Resp: 759500
Ion Ratio Lower Upper
168 100
99 50.1 39.7 59.5



#16
Acetone
Concen: 17.986 ug/l
RT: 3.872 min Scan# 353
Delta R.T. 0.006 min
Lab File: VY023633.D
Acq: 30 Oct 2025 15:24

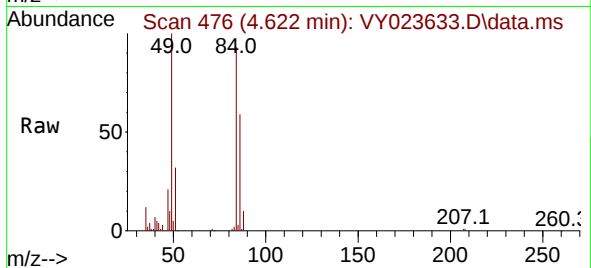
Tgt Ion: 43 Resp: 27194
Ion Ratio Lower Upper
43 100
58 31.8 27.7 41.5



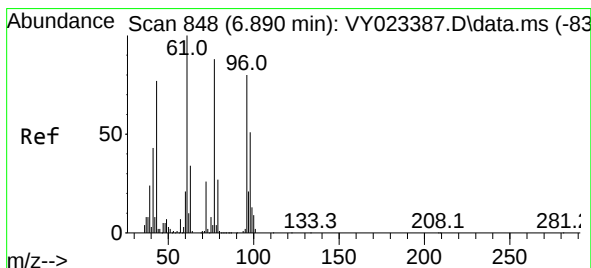
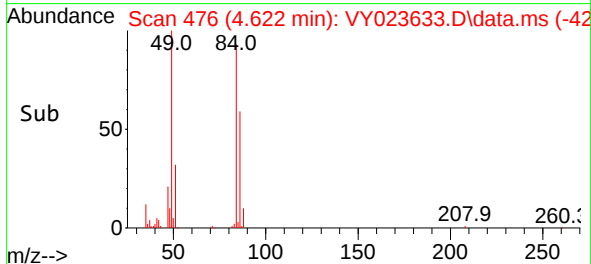
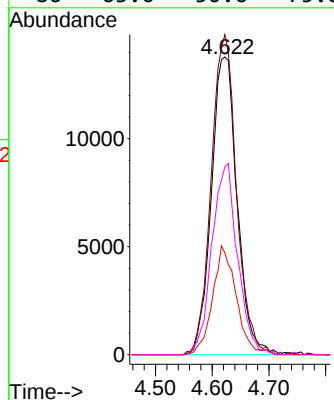


#20
Methylene Chloride
Concen: 5.332 ug/l
RT: 4.622 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY023633.D
Acq: 30 Oct 2025 15:24

Instrument :
MSVOA_Y
ClientSampleId :

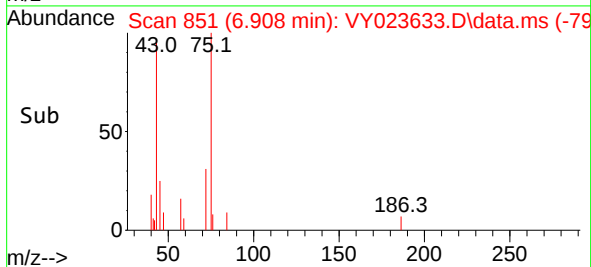
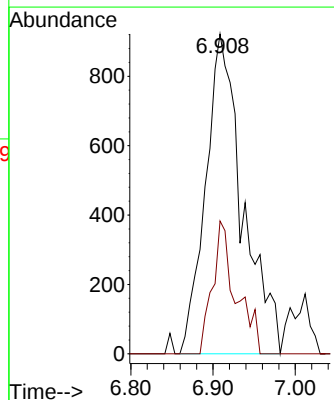
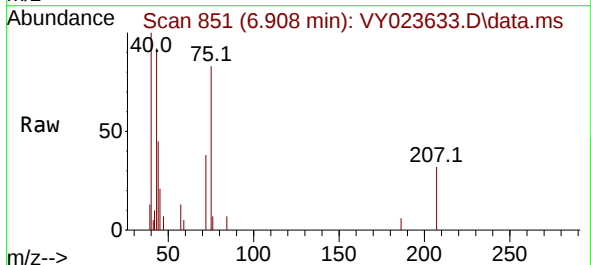


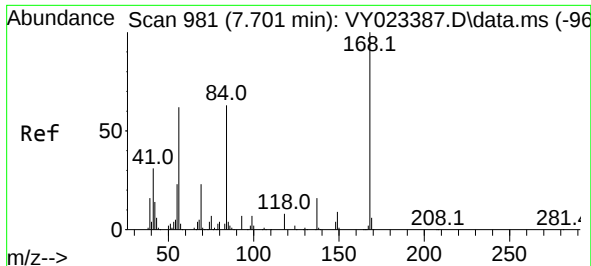
Tgt Ion:	84	Resp:	43591
Ion	Ratio	Lower	Upper
84	100		
49	107.5	80.2	120.4
51	34.2	25.9	38.9
86	63.0	50.6	75.8



#25
2-Butanone
Concen: 1.565 ug/l
RT: 6.908 min Scan# 851
Delta R.T. 0.018 min
Lab File: VY023633.D
Acq: 30 Oct 2025 15:24

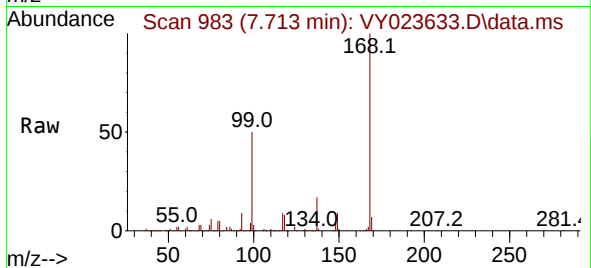
Tgt Ion:	43	Resp:	2889
Ion	Ratio	Lower	Upper
43	100		
72	41.5	27.4	41.2#



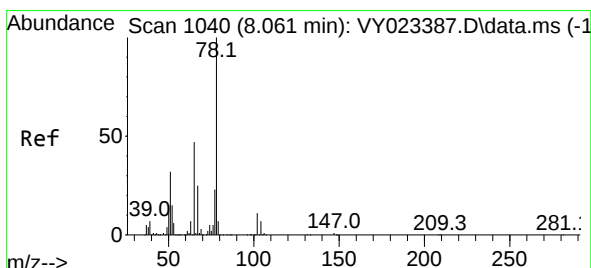
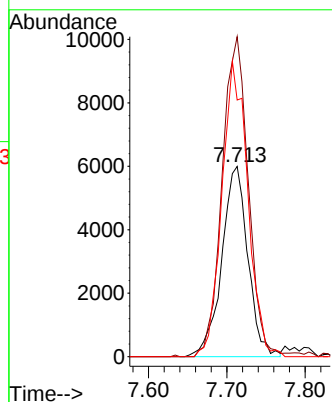
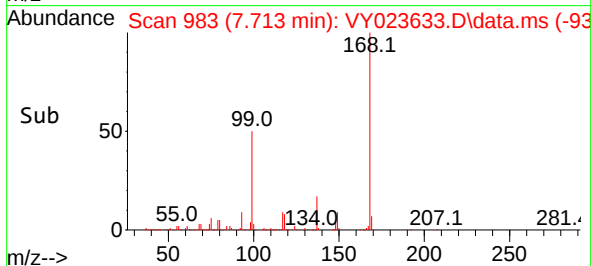


#31
Cyclohexane
Concen: 1.316 ug/l
RT: 7.713 min Scan# 981
Delta R.T. 0.012 min
Lab File: VY023633.D
Acq: 30 Oct 2025 15:24

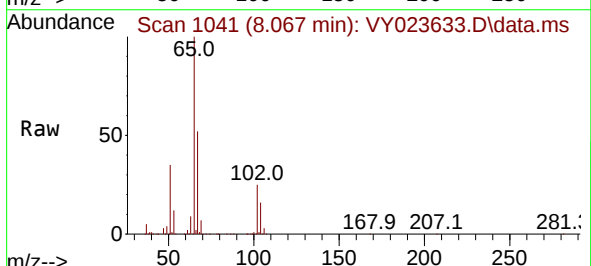
Instrument :
MSVOA_Y
ClientSampleId :



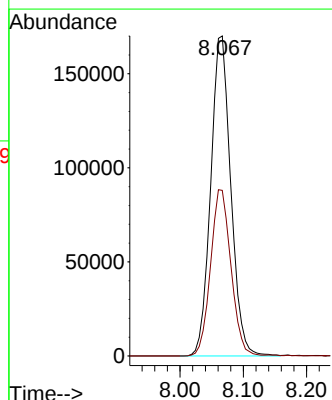
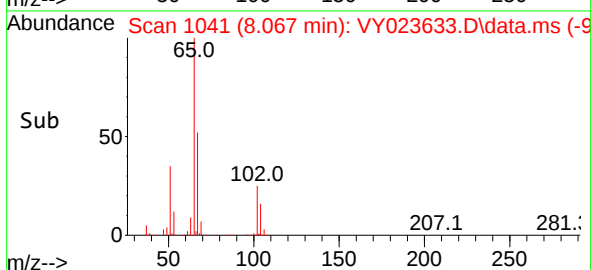
Tgt Ion: 56 Resp: 13906
Ion Ratio Lower Upper
56 100
69 168.2 30.0 45.0#
84 134.9 81.2 121.8#

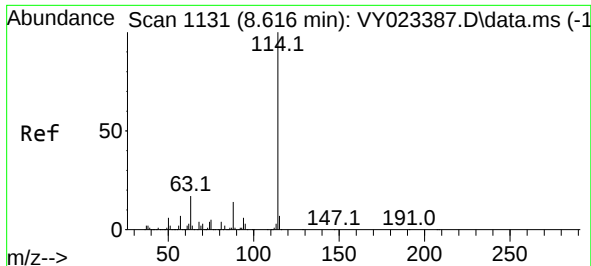


#33
1,2-Dichloroethane-d4
Concen: 59.102 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY023633.D
Acq: 30 Oct 2025 15:24



Tgt Ion: 65 Resp: 375358
Ion Ratio Lower Upper
65 100
67 52.7 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY023633.D

Acq: 30 Oct 2025 15:24

Instrument :

MSVOA_Y

ClientSampleId :

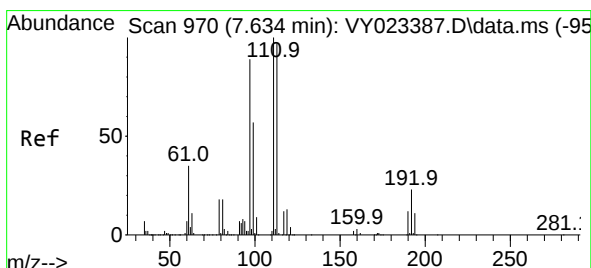
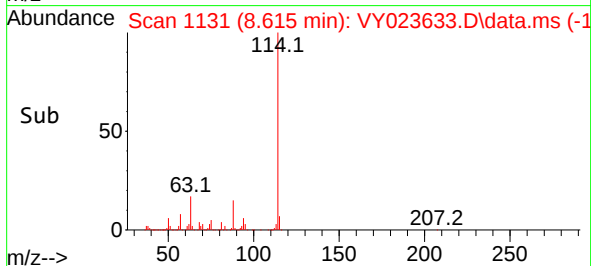
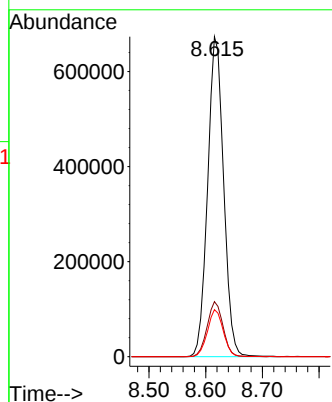
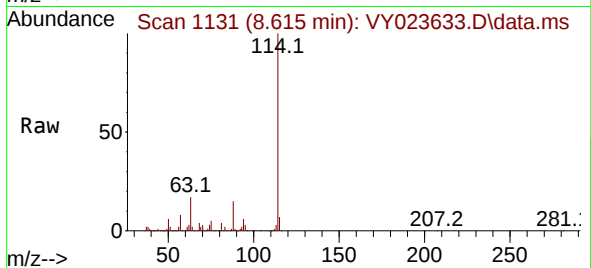
Tgt Ion:114 Resp: 1317129

Ion Ratio Lower Upper

114 100

63 17.2 0.0 34.2

88 14.7 0.0 28.4



#35

Dibromofluoromethane

Concen: 52.593 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.006 min

Lab File: VY023633.D

Acq: 30 Oct 2025 15:24

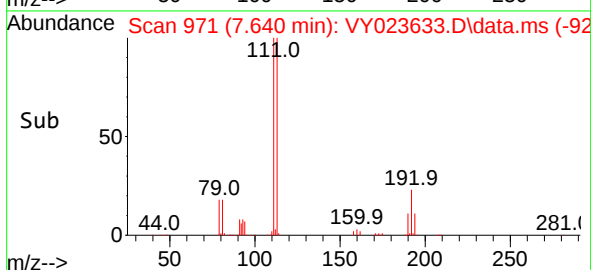
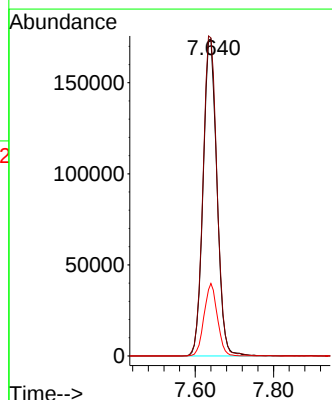
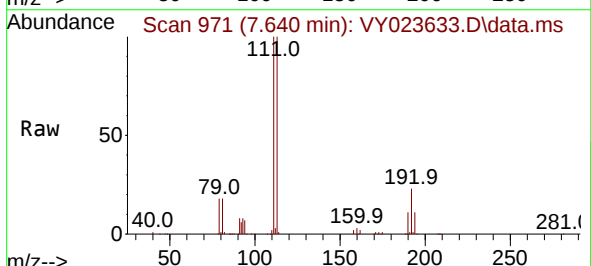
Tgt Ion:113 Resp: 425644

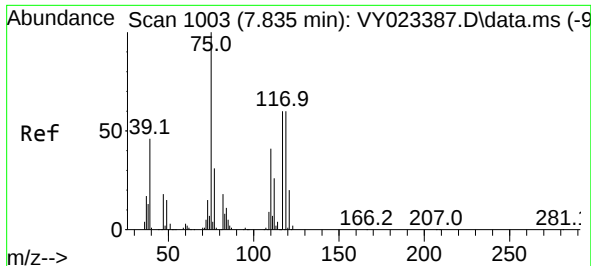
Ion Ratio Lower Upper

113 100

111 102.4 81.8 122.6

192 22.0 18.0 27.0





#36

1,1-Dichloropropene

Concen: 4.686 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY023633.D

Acq: 30 Oct 2025 15:24

Instrument :

MSVOA_Y

ClientSampleId :

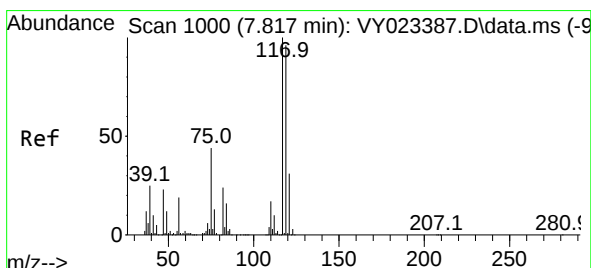
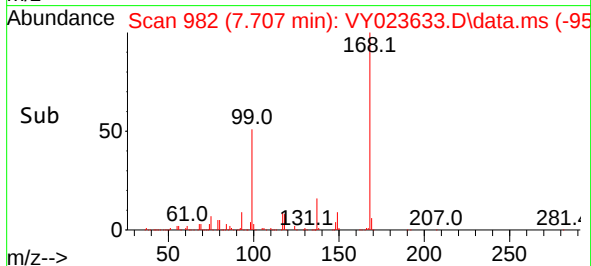
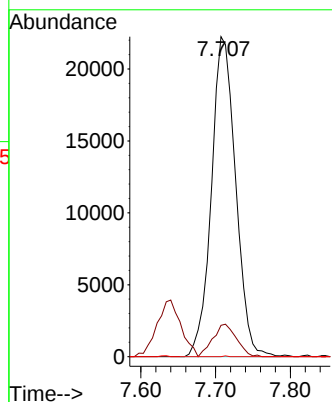
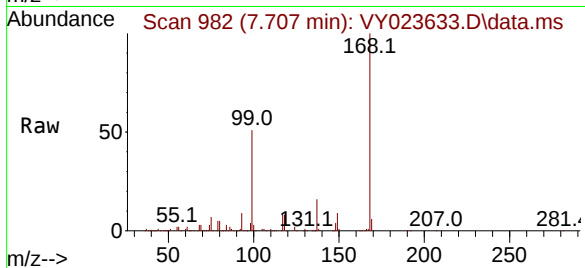
Tgt Ion: 75 Resp: 50207

Ion Ratio Lower Upper

75 100

110 9.9 19.9 59.7#

77 0.0 25.0 37.6#



#38

Carbon Tetrachloride

Concen: 5.316 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.104 min

Lab File: VY023633.D

Acq: 30 Oct 2025 15:24

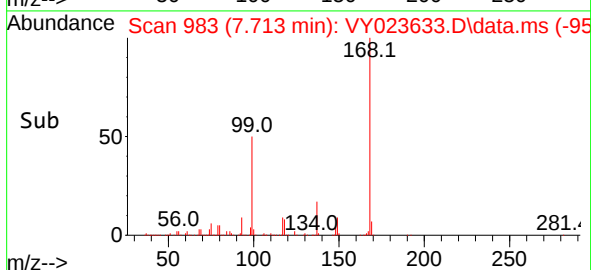
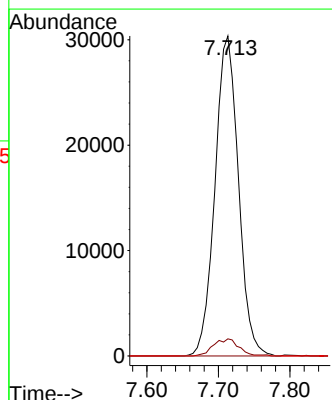
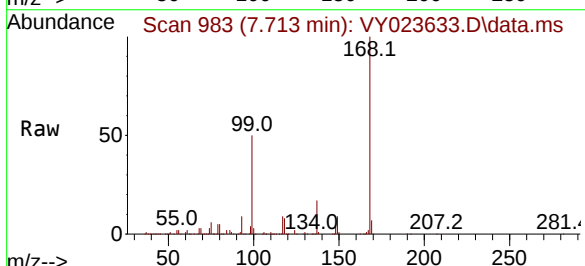
Tgt Ion: 117 Resp: 69059

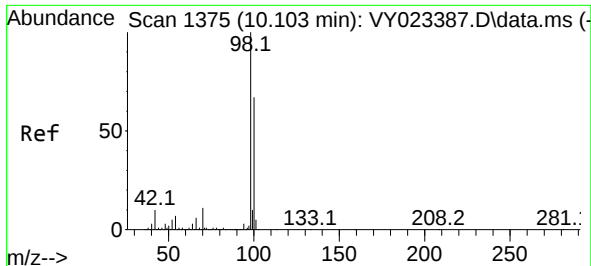
Ion Ratio Lower Upper

117 100

119 5.4 76.8 115.2#

121 0.0 24.5 36.7#

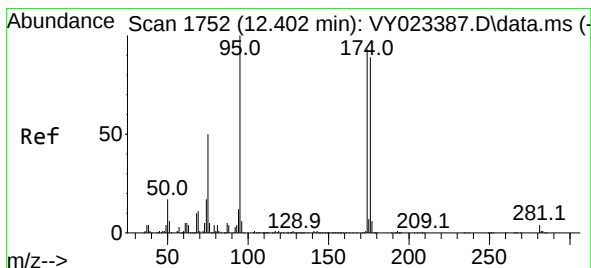
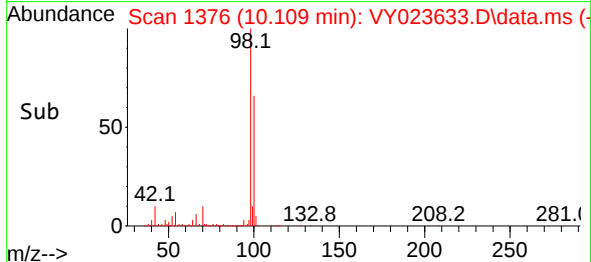
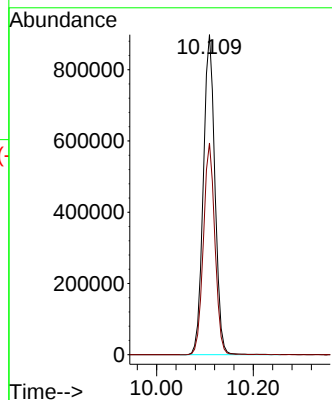
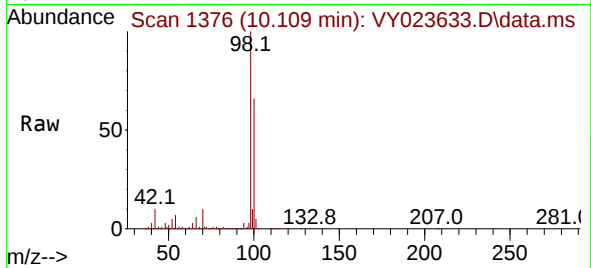




#50
Toluene-d8
Concen: 49.592 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023633.D
Acq: 30 Oct 2025 15:24

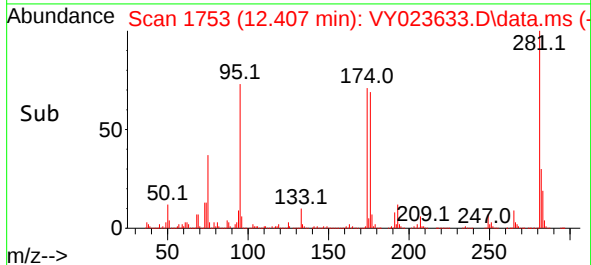
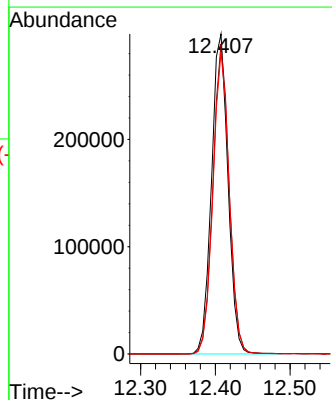
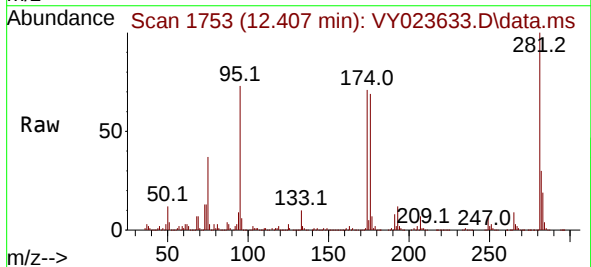
Instrument :
MSVOA_Y
ClientSampleId :

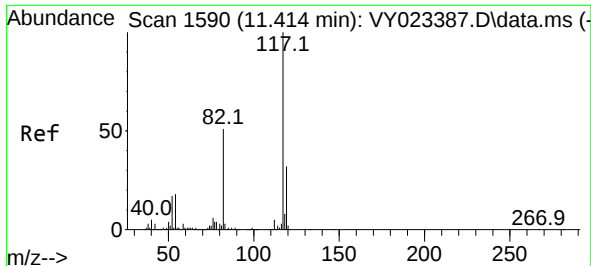
Tgt Ion: 98 Resp: 1494697
Ion Ratio Lower Upper
98 100
100 65.6 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 46.202 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023633.D
Acq: 30 Oct 2025 15:24

Tgt Ion: 95 Resp: 459738
Ion Ratio Lower Upper
95 100
174 95.5 0.0 192.8
176 93.3 0.0 187.6

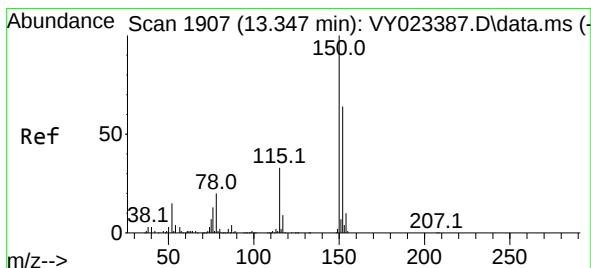
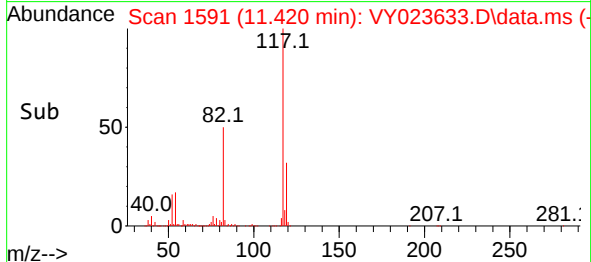
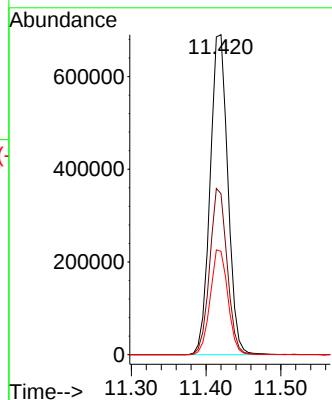
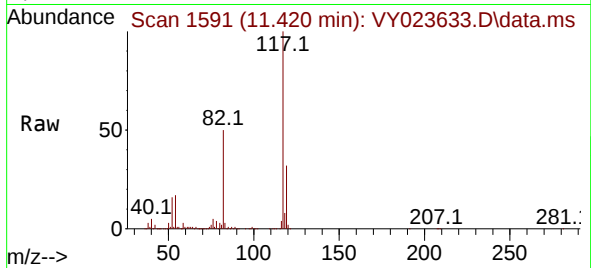




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023633.D
Acq: 30 Oct 2025 15:24

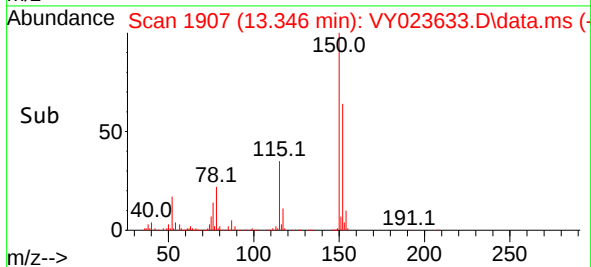
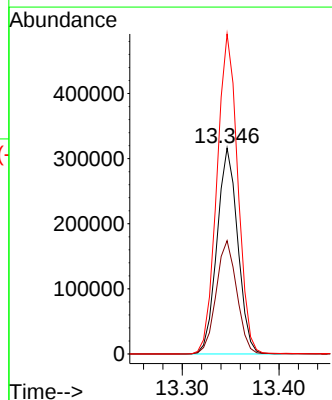
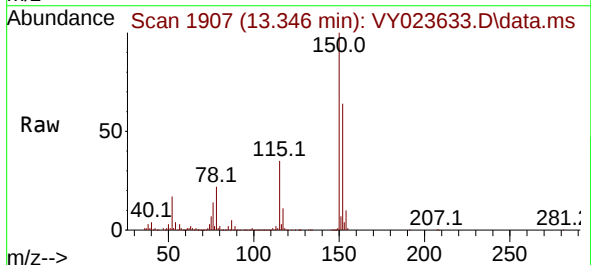
Instrument :
MSVOA_Y
ClientSampleId :

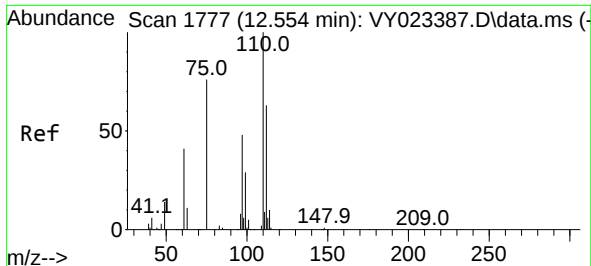
Tgt Ion:117 Resp: 1135943
Ion Ratio Lower Upper
117 100
82 50.3 41.0 61.4
119 32.3 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY023633.D
Acq: 30 Oct 2025 15:24

Tgt Ion:152 Resp: 470265
Ion Ratio Lower Upper
152 100
115 55.0 27.1 81.2
150 156.4 0.0 347.4

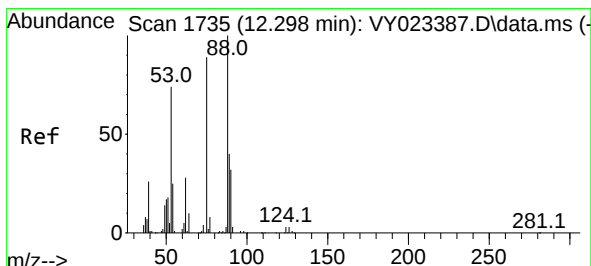
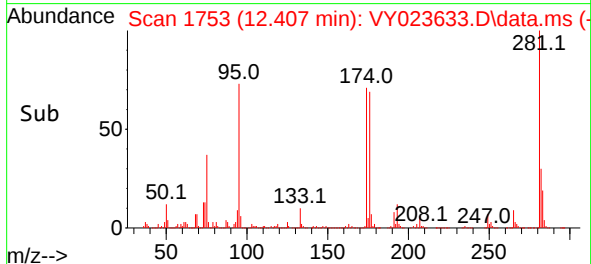
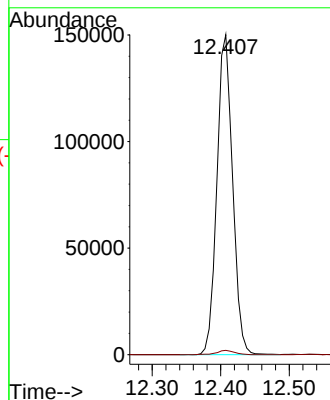
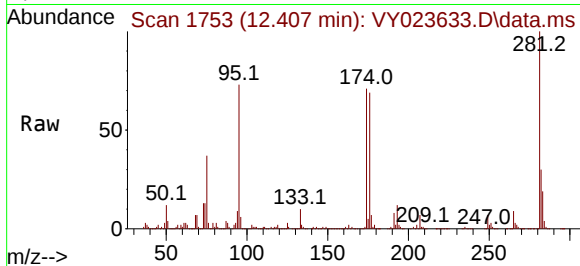




#76
1,2,3-Trichloropropane
Concen: 57.382 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY023633.D
Acq: 30 Oct 2025 15:24

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 238079
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 140.712 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.110 min
Lab File: VY023633.D
Acq: 30 Oct 2025 15:24

Tgt Ion: 75 Resp: 238079
Ion Ratio Lower Upper
75 100
53 0.0 68.6 102.8#
89 2.1 39.0 58.4#

