

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103025\
 Data File : VY023627.D
 Acq On : 30 Oct 2025 13:03
 Operator : SY/MD
 Sample : Q3486-07
 Misc : 8.09g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 31 02:39:19 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)

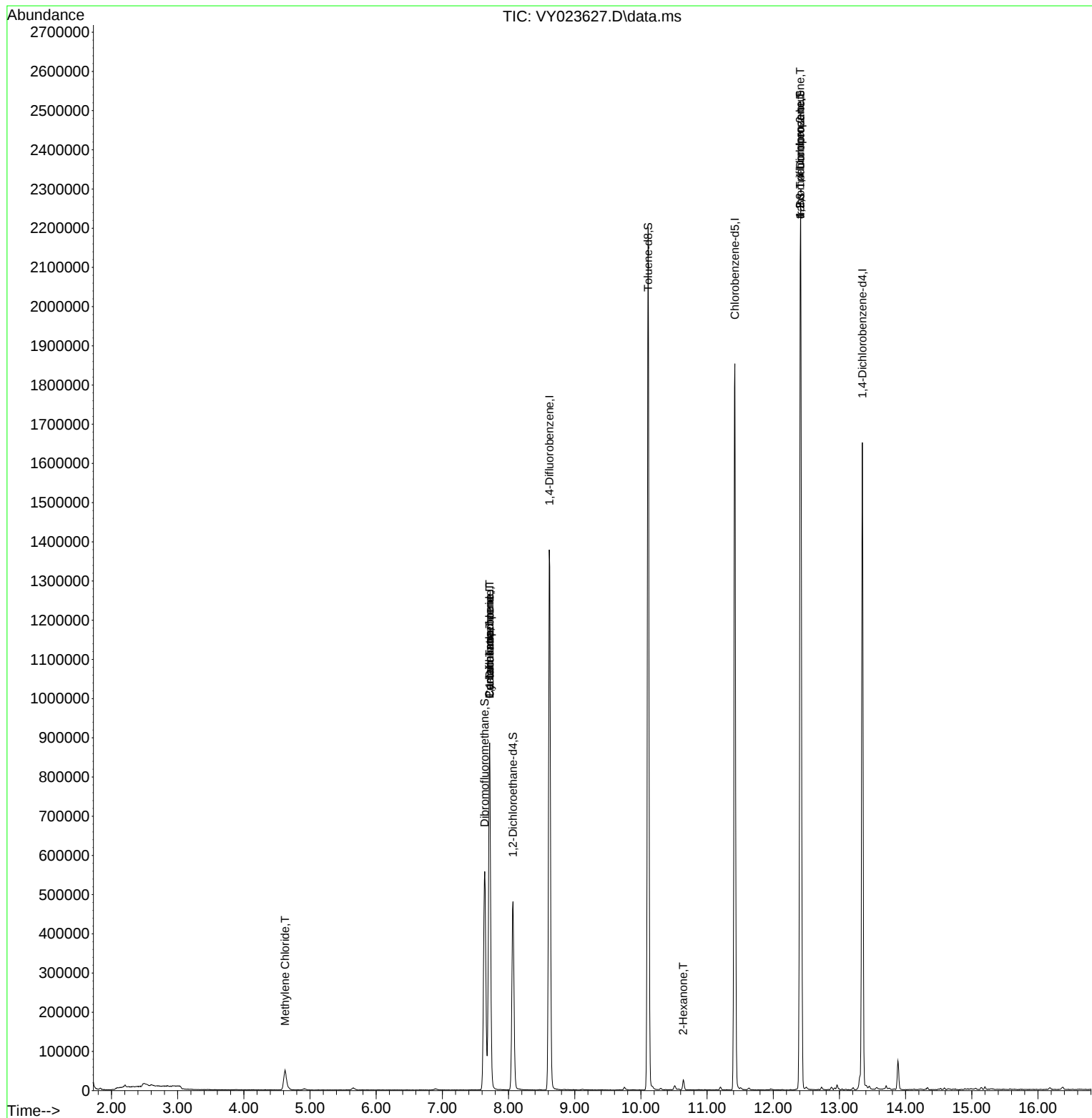
Internal Standards						
1) Pentafluorobenzene	7.713	168	717979	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	1261474	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1061440	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	435896	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	373795	62.259	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 124.520%	
35) Dibromofluoromethane	7.640	113	407509	52.574	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.140%	
50) Toluene-d8	10.109	98	1426071	49.403	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.800%	
62) 4-Bromofluorobenzene	12.407	95	419847	44.055	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 88.100%	
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.622	84	37870	4.900	ug/l	96
31) Cyclohexane	7.713	56	12509	1.252	ug/l #	1
36) 1,1-Dichloropropene	7.713	75	48572	4.733	ug/l #	47
38) Carbon Tetrachloride	7.713	117	67638	5.436	ug/l #	16
59) 2-Hexanone	10.640	43	8175	2.731	ug/l #	22
76) 1,2,3-Trichloropropane	12.407	75	213934	55.628	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	213934	136.412	ug/l #	15

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

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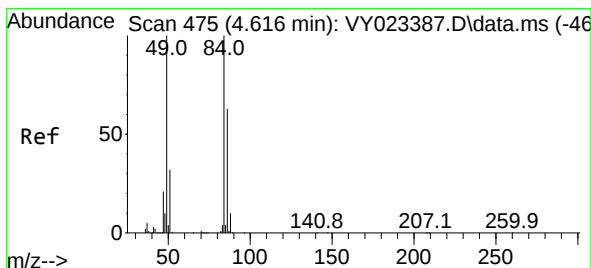
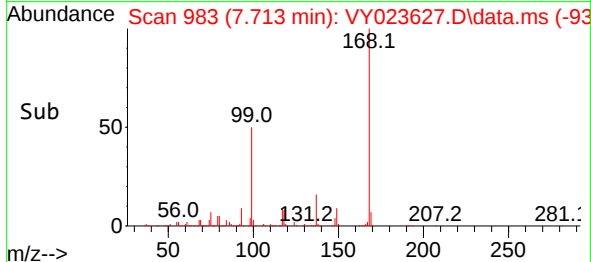
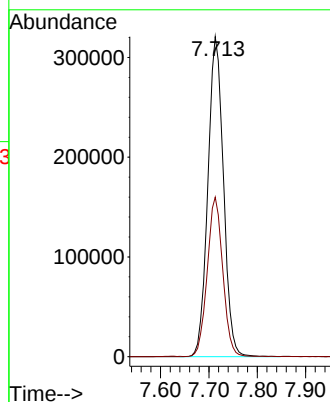
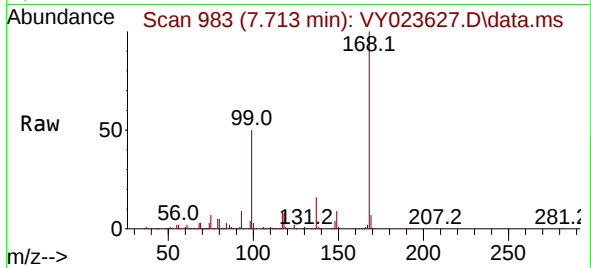




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY023627.D
Acq: 30 Oct 2025 13:03

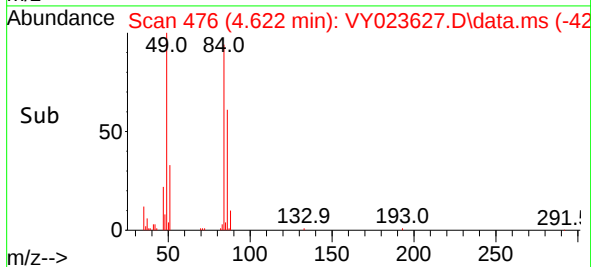
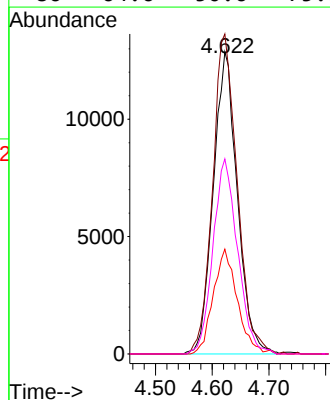
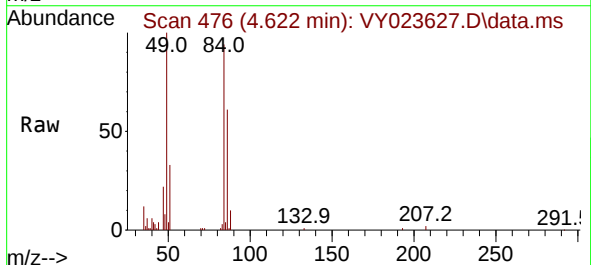
Instrument :
MSVOA_Y
ClientSampleId :

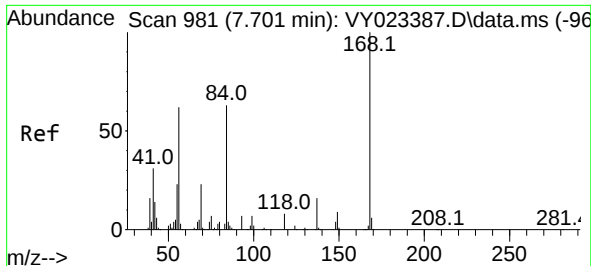
Tgt Ion:168 Resp: 717979
Ion Ratio Lower Upper
168 100
99 49.8 39.7 59.5



#20
Methylene Chloride
Concen: 4.900 ug/l
RT: 4.622 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY023627.D
Acq: 30 Oct 2025 13:03

Tgt Ion: 84 Resp: 37870
Ion Ratio Lower Upper
84 100
49 106.0 80.2 120.4
51 34.7 25.9 38.9
86 64.6 50.6 75.8

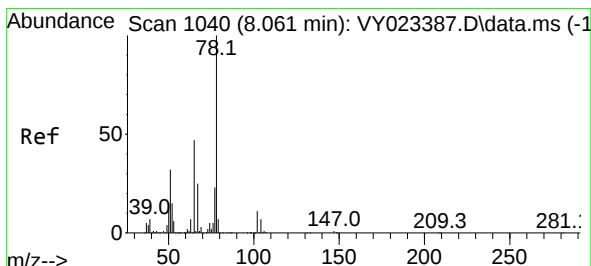
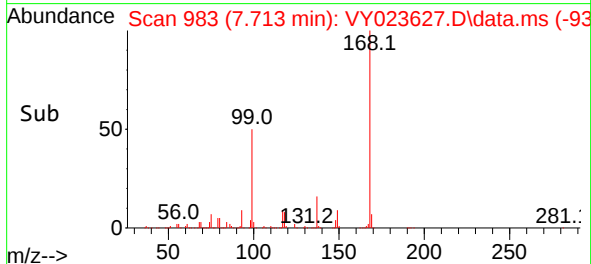
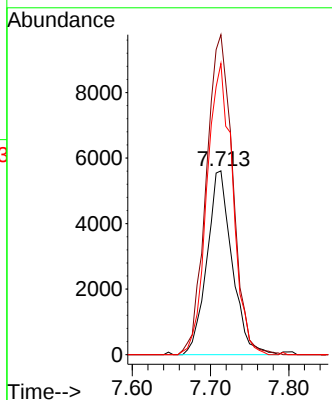
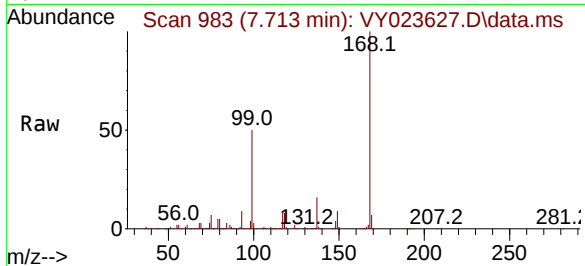




#31
Cyclohexane
Concen: 1.252 ug/l
RT: 7.713 min Scan# 981
Delta R.T. 0.012 min
Lab File: VY023627.D
Acq: 30 Oct 2025 13:03

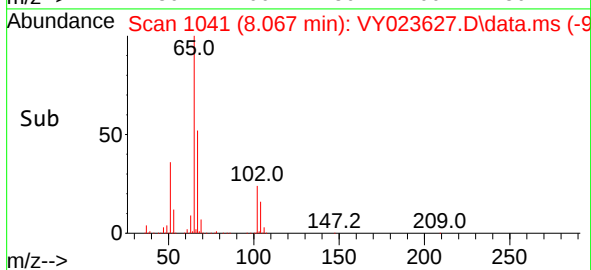
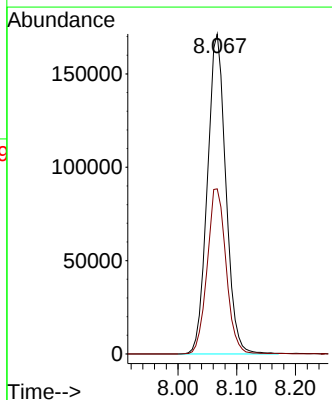
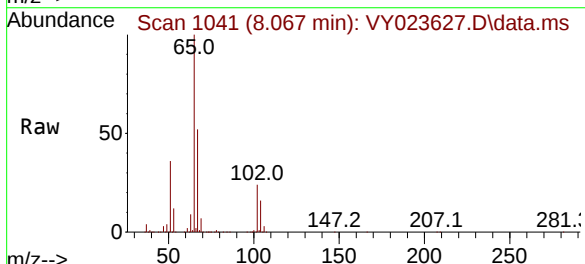
Instrument :
MSVOA_Y
ClientSampleId :

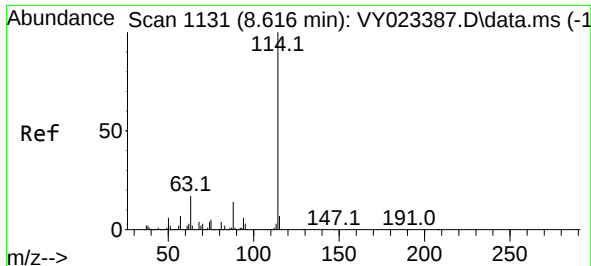
Tgt Ion: 56 Resp: 12509
Ion Ratio Lower Upper
56 100
69 174.0 30.0 45.0#
84 158.4 81.2 121.8#



#33
1,2-Dichloroethane-d4
Concen: 62.259 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY023627.D
Acq: 30 Oct 2025 13:03

Tgt Ion: 65 Resp: 373795
Ion Ratio Lower Upper
65 100
67 52.8 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: VY023627.D

Acq: 30 Oct 2025 13:03

Instrument :

MSVOA_Y

ClientSampleId :

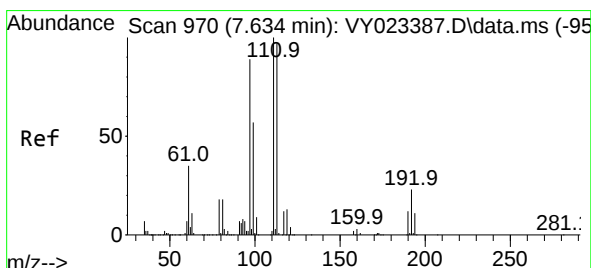
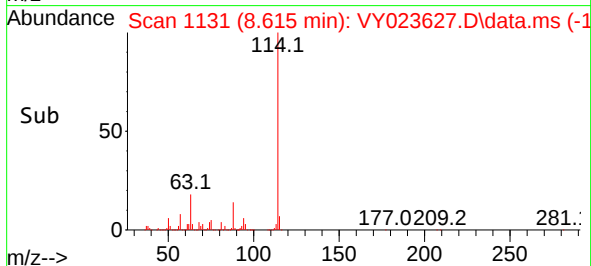
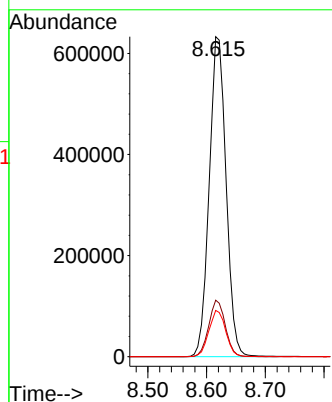
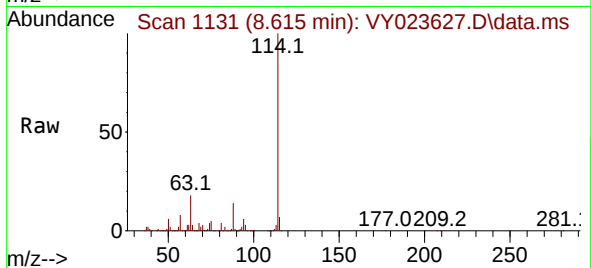
Tgt Ion:114 Resp: 1261474

Ion Ratio Lower Upper

114 100

63 17.7 0.0 34.2

88 14.4 0.0 28.4



#35

Dibromofluoromethane

Concen: 52.574 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.006 min

Lab File: VY023627.D

Acq: 30 Oct 2025 13:03

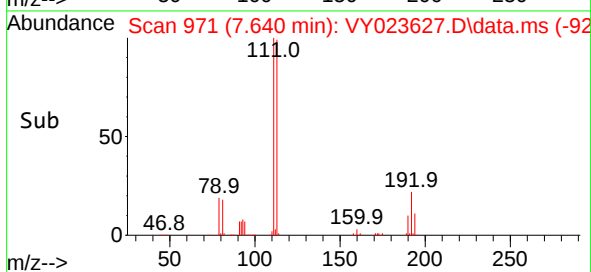
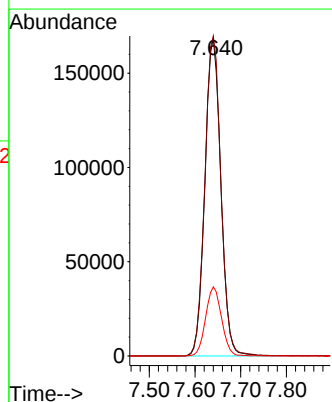
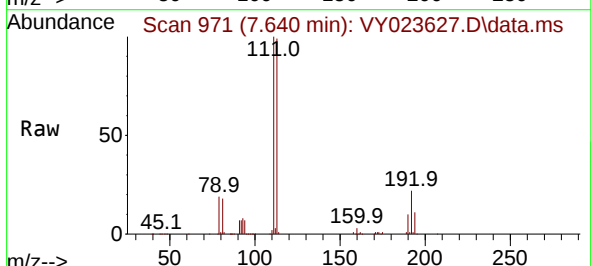
Tgt Ion:113 Resp: 407509

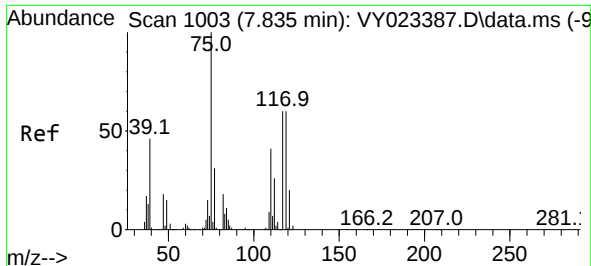
Ion Ratio Lower Upper

113 100

111 101.8 81.8 122.6

192 21.7 18.0 27.0





#36

1,1-Dichloropropene

Concen: 4.733 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.122 min

Lab File: VY023627.D

Acq: 30 Oct 2025 13:03

Instrument :

MSVOA_Y

ClientSampleId :

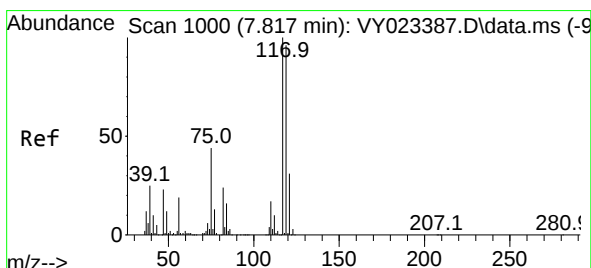
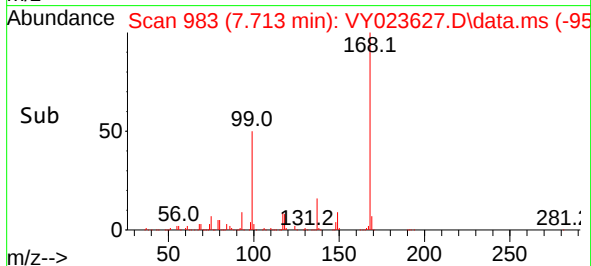
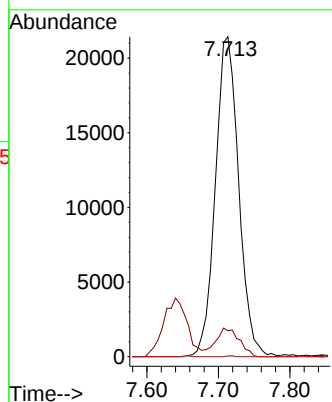
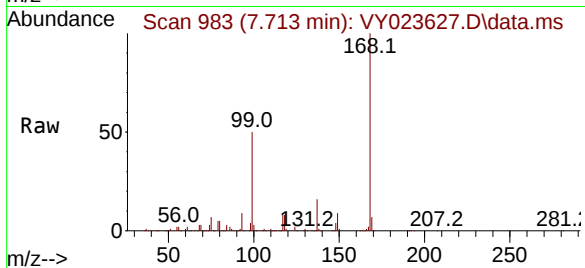
Tgt Ion: 75 Resp: 48572

Ion Ratio Lower Upper

75 100

110 9.2 19.9 59.7#

77 0.1 25.0 37.6#



#38

Carbon Tetrachloride

Concen: 5.436 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.104 min

Lab File: VY023627.D

Acq: 30 Oct 2025 13:03

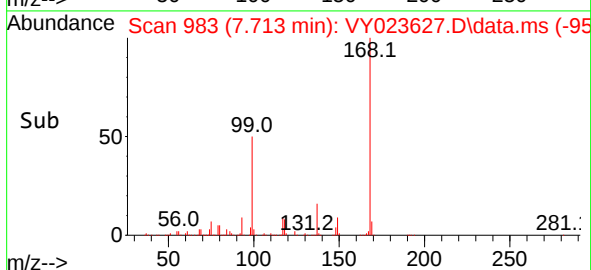
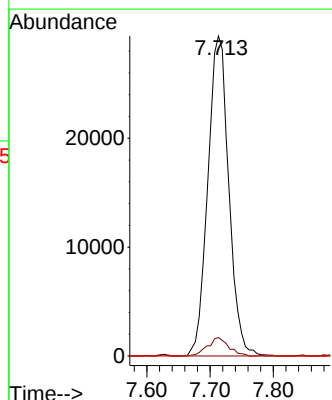
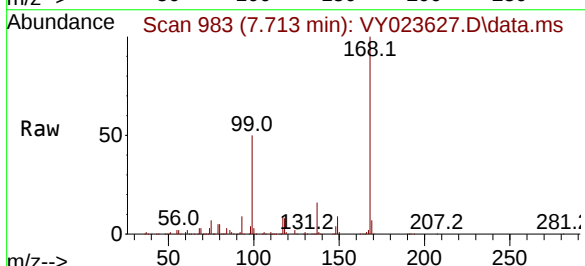
Tgt Ion: 117 Resp: 67638

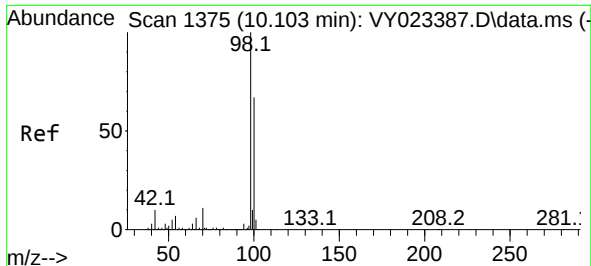
Ion Ratio Lower Upper

117 100

119 5.8 76.8 115.2#

121 0.0 24.5 36.7#

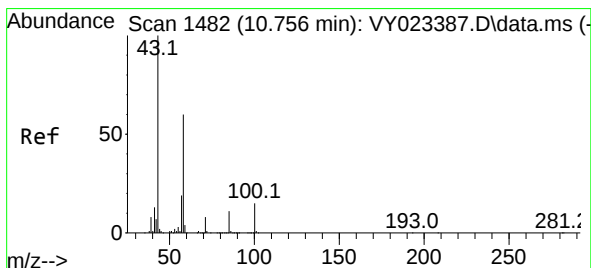
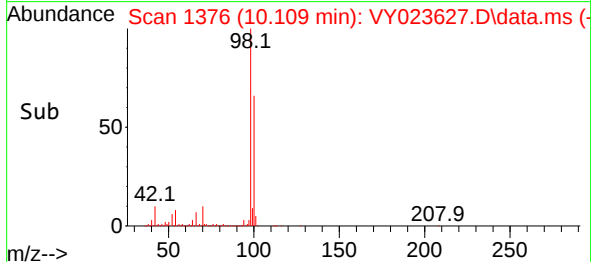
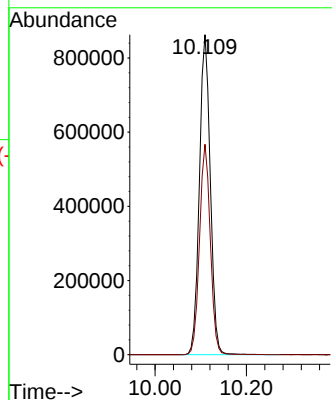
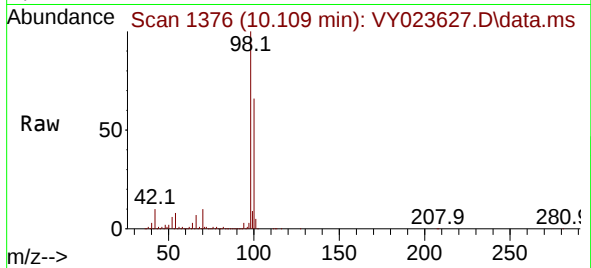




#50
Toluene-d8
Concen: 49.403 ug/l
RT: 10.109 min Scan# 1463
Delta R.T. 0.006 min
Lab File: VY023627.D
Acq: 30 Oct 2025 13:03

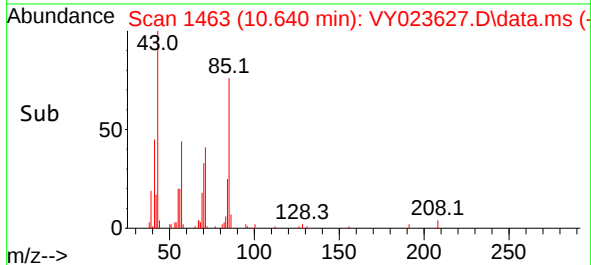
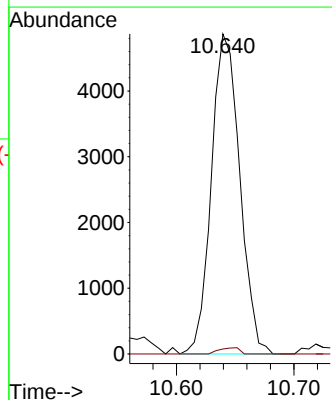
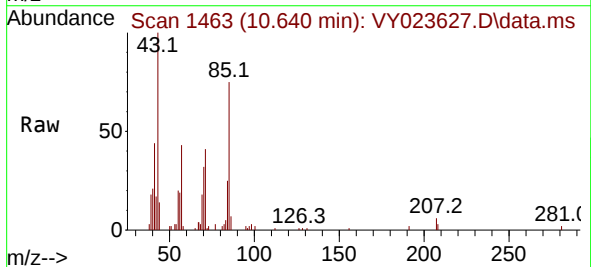
Instrument :
MSVOA_Y
ClientSampleId :

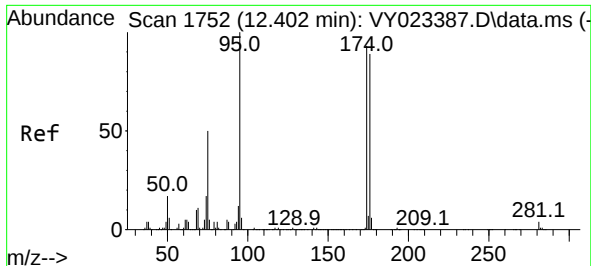
Tgt Ion: 98 Resp: 1426071
Ion Ratio Lower Upper
98 100
100 65.2 53.0 79.4



#59
2-Hexanone
Concen: 2.731 ug/l
RT: 10.640 min Scan# 1463
Delta R.T. -0.116 min
Lab File: VY023627.D
Acq: 30 Oct 2025 13:03

Tgt Ion: 43 Resp: 8175
Ion Ratio Lower Upper
43 100
58 1.4 30.5 91.5#

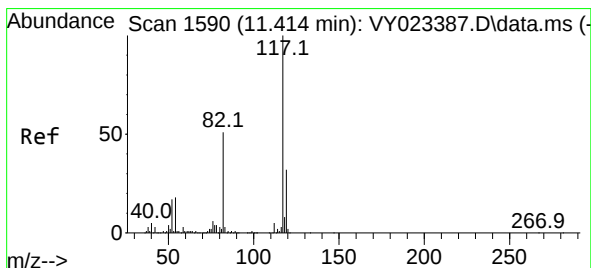
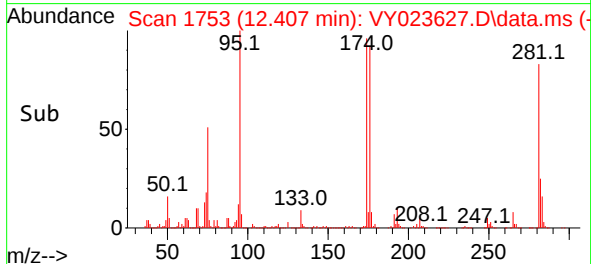
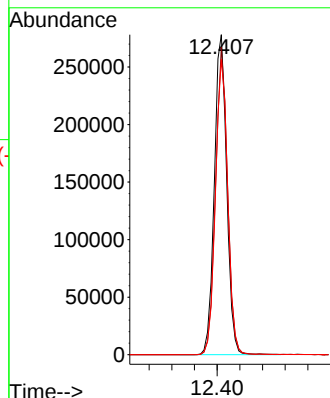
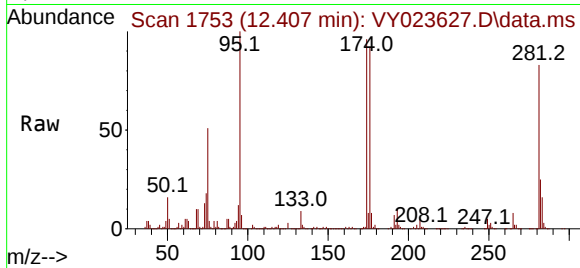




#62
4-Bromofluorobenzene
Concen: 44.055 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023627.D
Acq: 30 Oct 2025 13:03

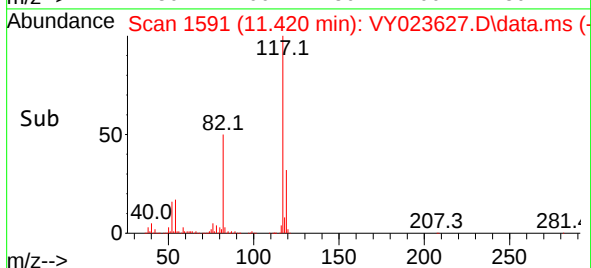
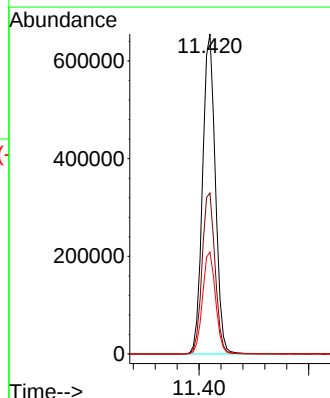
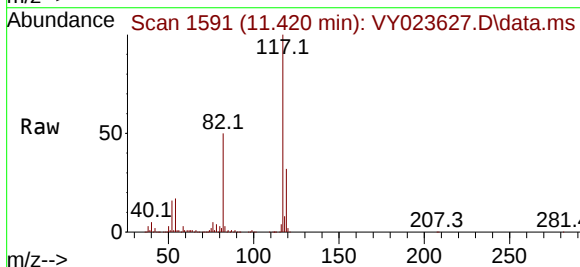
Instrument :
MSVOA_Y
ClientSampleId :

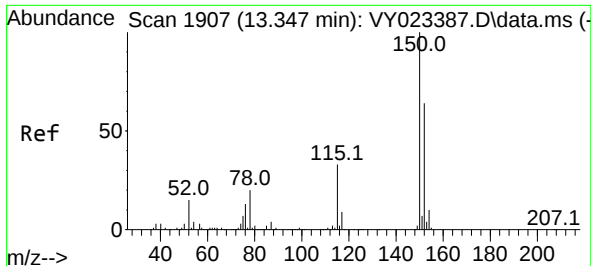
Tgt Ion: 95 Resp: 419847
Ion Ratio Lower Upper
95 100
174 93.8 0.0 192.8
176 91.8 0.0 187.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY023627.D
Acq: 30 Oct 2025 13:03

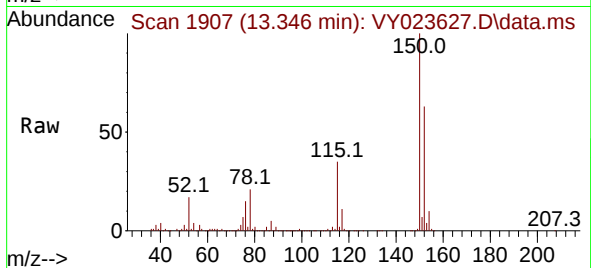
Tgt Ion: 117 Resp: 1061440
Ion Ratio Lower Upper
117 100
82 50.3 41.0 61.4
119 31.8 25.6 38.4



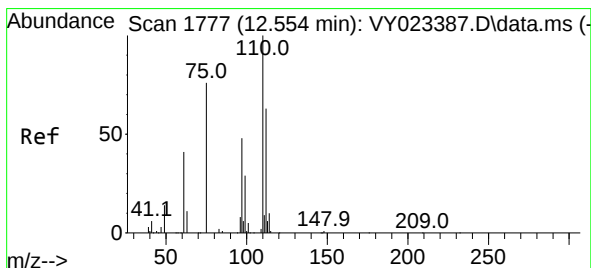
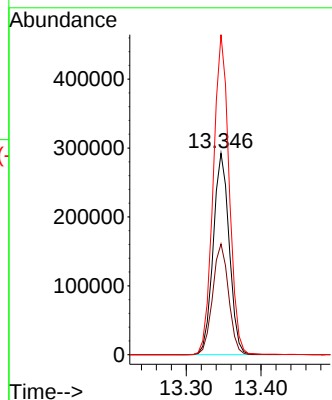
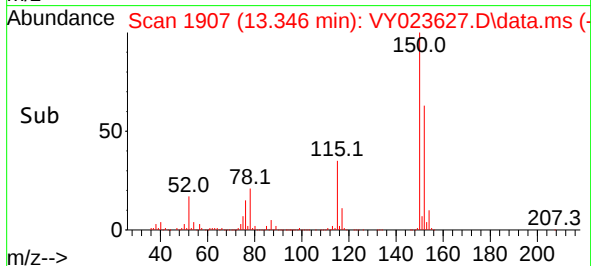


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. -0.000 min
 Lab File: VY023627.D
 Acq: 30 Oct 2025 13:03

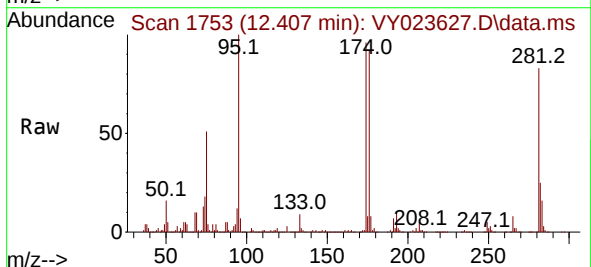
Instrument :
 MSVOA_Y
 ClientSampleId :



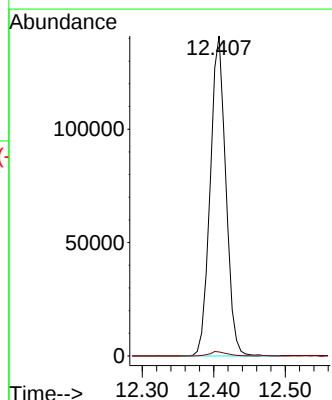
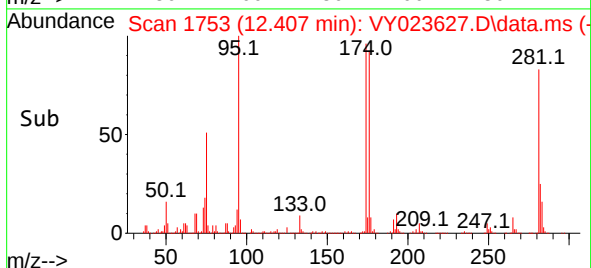
Tgt Ion:152 Resp: 435896
 Ion Ratio Lower Upper
 152 100
 115 55.0 27.1 81.2
 150 157.8 0.0 347.4

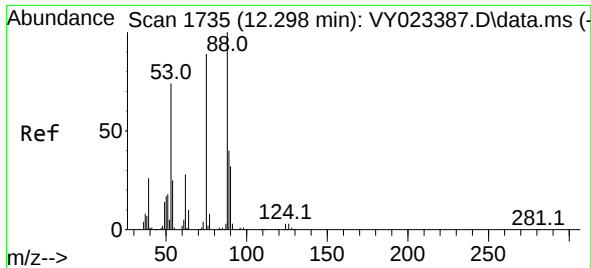


#76
 1,2,3-Trichloropropane
 Concen: 55.628 ug/l
 RT: 12.407 min Scan# 1753
 Delta R.T. -0.146 min
 Lab File: VY023627.D
 Acq: 30 Oct 2025 13:03



Tgt Ion: 75 Resp: 213934
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 136.412 ug/l
 RT: 12.407 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY023627.D
 Acq: 30 Oct 2025 13:03

Instrument :
 MSVOA_Y
 ClientSampleId :

Tgt Ion: 75 Resp: 213934
 Ion Ratio Lower Upper
 75 100
 53 0.2 68.6 102.8#
 89 1.4 39.0 58.4#

