

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022025\
 Data File : VY021260.D
 Acq On : 20 Feb 2025 19:26
 Operator : SY/MD
 Sample : Q1383-19
 Misc : 6.01g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 21 02:45:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 03 13:08:38 2025
 Response via : Initial Calibration

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

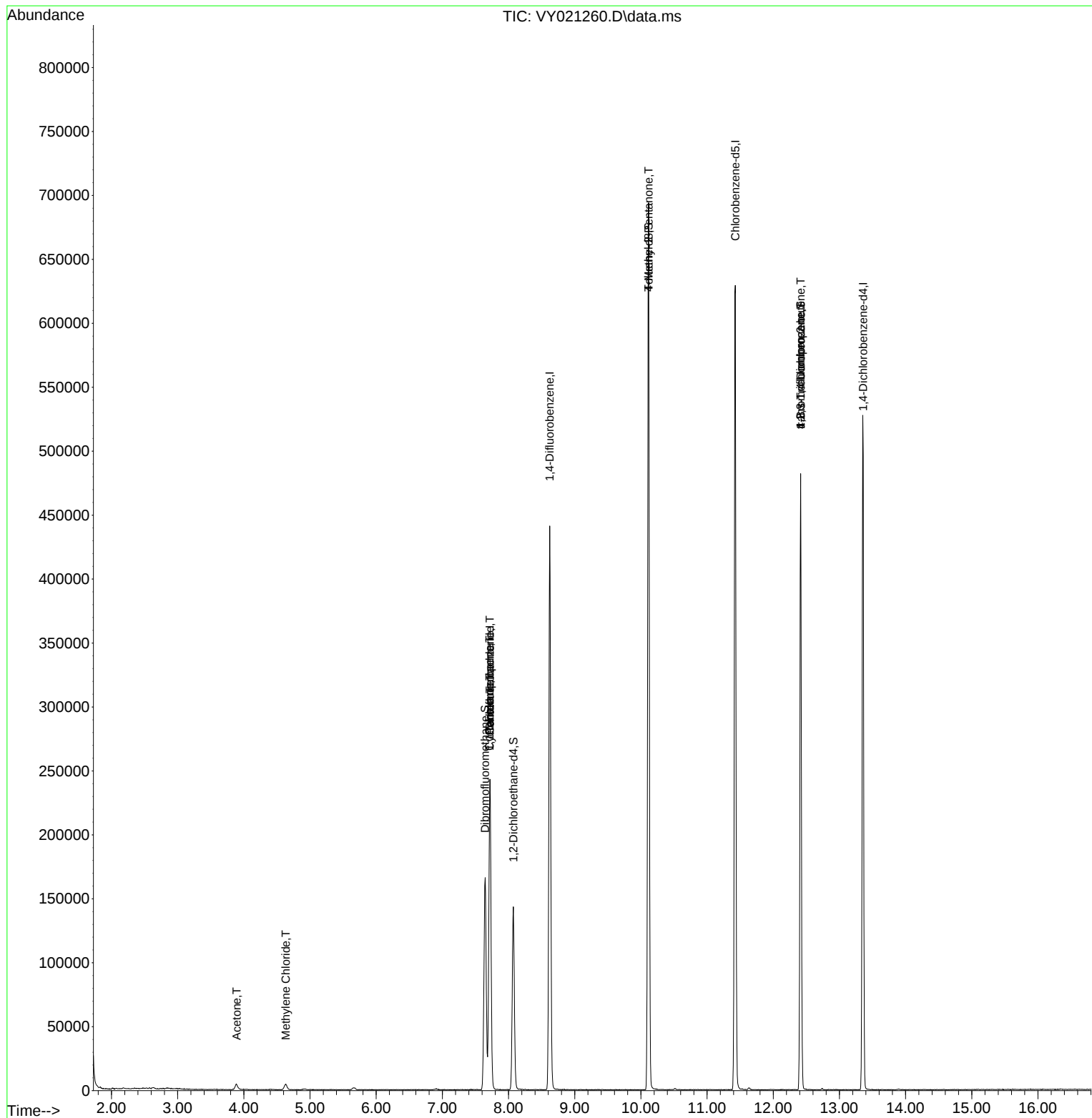
Internal Standards						
1) Pentafluorobenzene	7.720	168	185650	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	358148	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	329429	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.359	152	128849	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	112982	59.397	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	118.800%
35) Dibromofluoromethane	7.646	113	117691	51.276	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.560%
50) Toluene-d8	10.115	98	438898	50.228	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.460%
62) 4-Bromofluorobenzene	12.414	95	138930	48.667	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	97.340%
Target Compounds						
					Qvalue	
16) Acetone	3.891	43	8394	28.298	ug/l	99
20) Methylene Chloride	4.635	84	2970	1.611	ug/l	87
31) Cyclohexane	7.713	56	4345	1.339	ug/l #	21
36) 1,1-Dichloropropene	7.713	75	15402	4.530	ug/l #	50
38) Carbon Tetrachloride	7.720	117	19611	4.937	ug/l #	15
51) 4-Methyl-2-Pentanone	10.115	43	2101	1.410	ug/l #	1
76) 1,2,3-Trichloropropane	12.414	75	77082	65.949	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.414	75	77082	134.567	ug/l #	12

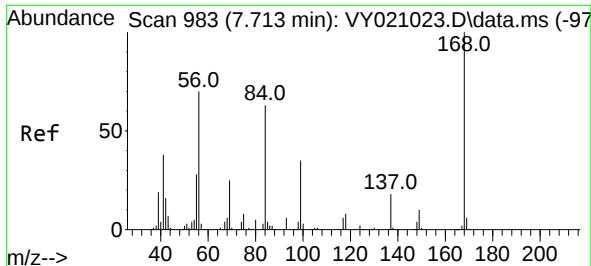
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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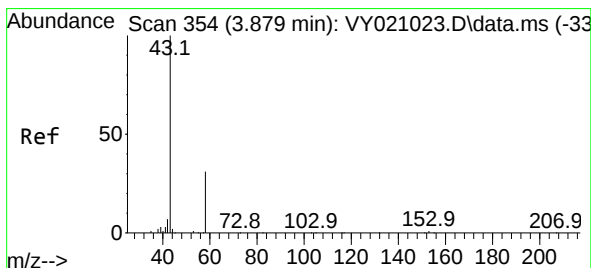
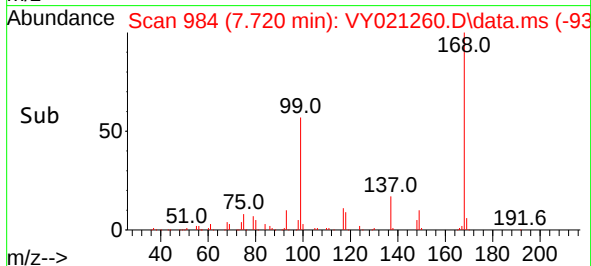
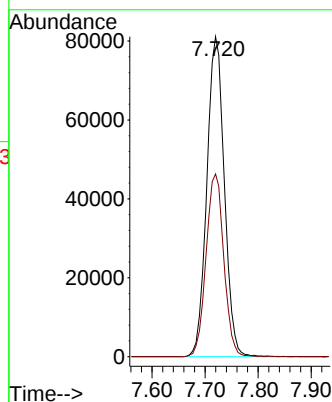
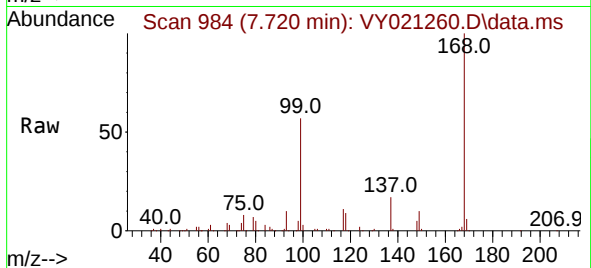




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.720 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021260.D
Acq: 20 Feb 2025 19:26

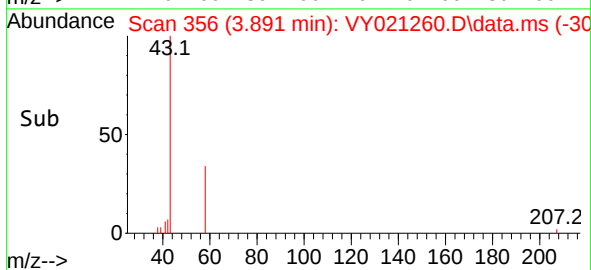
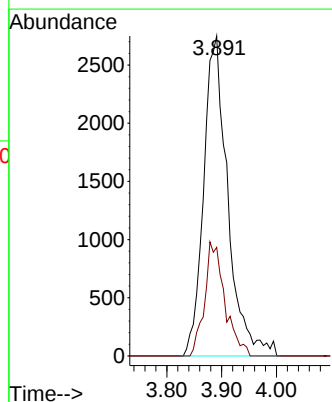
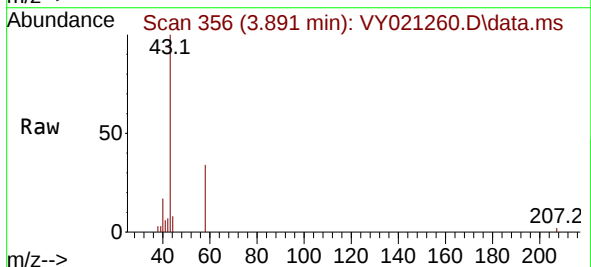
Instrument :
MSVOA_Y
ClientSampleId :

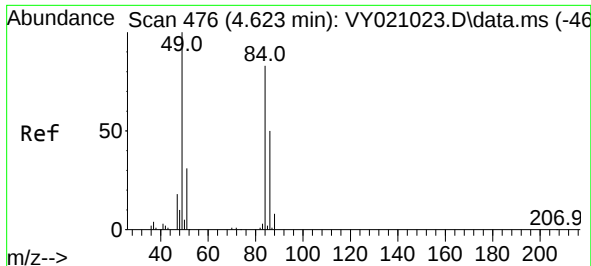
Tgt Ion:168 Resp: 185650
Ion Ratio Lower Upper
168 100
99 57.1 44.2 66.4



#16
Acetone
Concen: 28.298 ug/l
RT: 3.891 min Scan# 356
Delta R.T. 0.012 min
Lab File: VY021260.D
Acq: 20 Feb 2025 19:26

Tgt Ion: 43 Resp: 8394
Ion Ratio Lower Upper
43 100
58 33.9 26.6 39.8





#20

Methylene Chloride

Concen: 1.611 ug/l

RT: 4.635 min Scan# 41

Delta R.T. 0.012 min

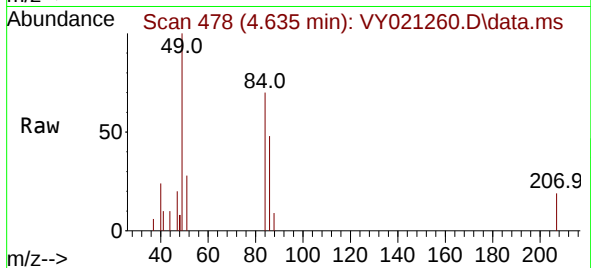
Lab File: VY021260.D

Acq: 20 Feb 2025 19:26

Instrument :

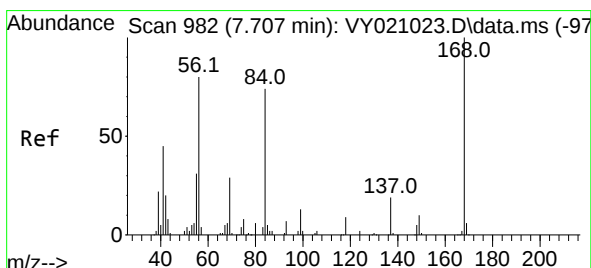
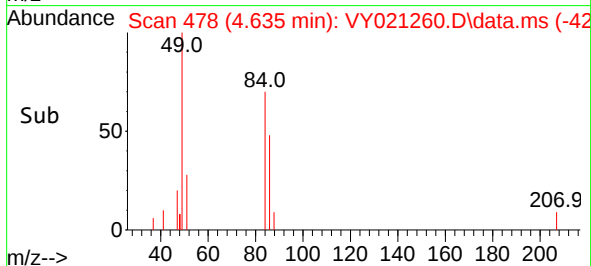
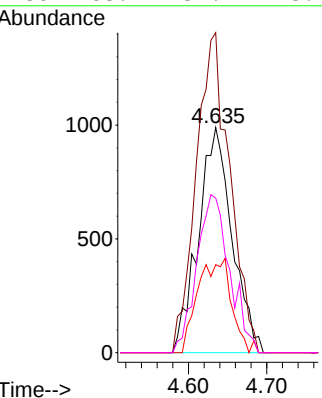
MSVOA_Y

ClientSampleId :



Tgt Ion: 84 Resp: 2970

Ion	Ratio	Lower	Upper
84	100		
49	142.2	95.2	142.8
51	39.1	29.9	44.9
86	68.7	52.2	78.4



#31

Cyclohexane

Concen: 1.339 ug/l

RT: 7.713 min Scan# 983

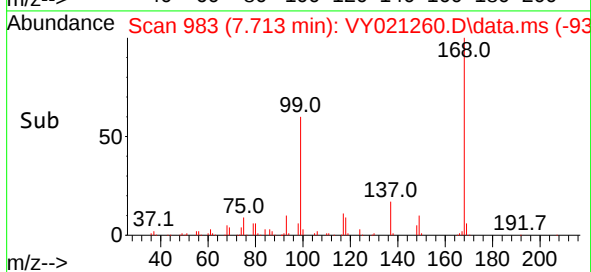
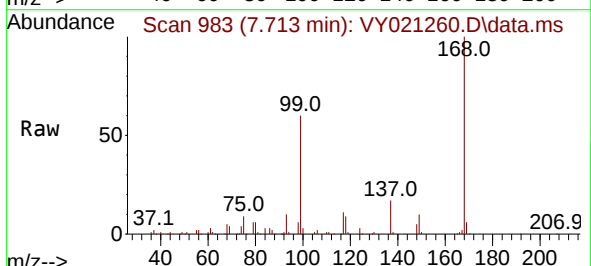
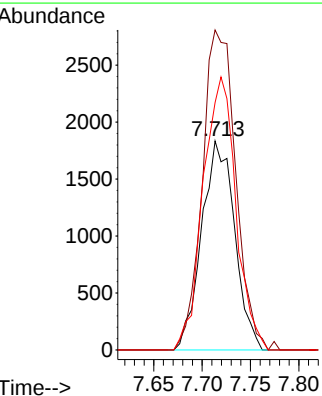
Delta R.T. 0.006 min

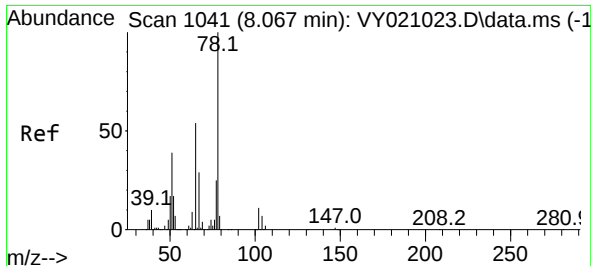
Lab File: VY021260.D

Acq: 20 Feb 2025 19:26

Tgt Ion: 56 Resp: 4345

Ion	Ratio	Lower	Upper
56	100		
69	153.1	27.0	40.6#
84	118.3	71.8	107.6#





#33

1,2-Dichloroethane-d4

Concen: 59.397 ug/l

RT: 8.073 min Scan# 1104

Delta R.T. 0.006 min

Lab File: VY021260.D

Acq: 20 Feb 2025 19:26

Instrument :

MSVOA_Y

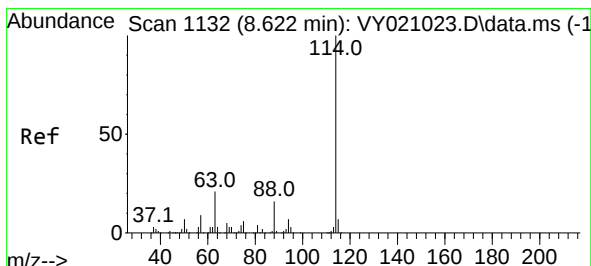
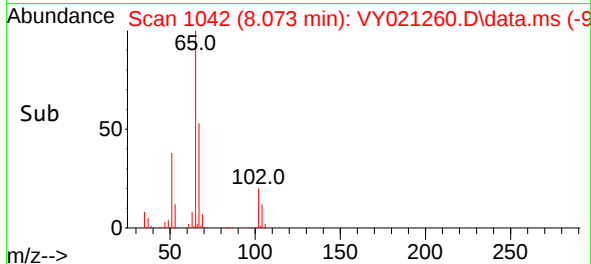
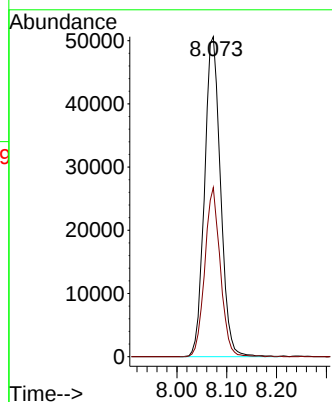
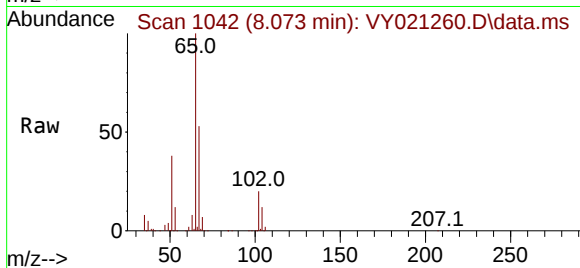
ClientSampleId :

Tgt Ion: 65 Resp: 112982

Ion Ratio Lower Upper

65 100

67 51.1 0.0 109.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. -0.000 min

Lab File: VY021260.D

Acq: 20 Feb 2025 19:26

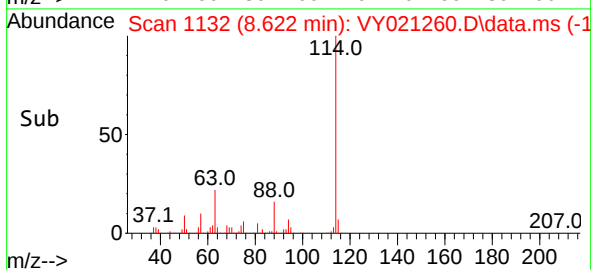
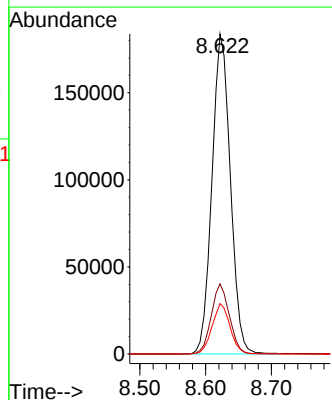
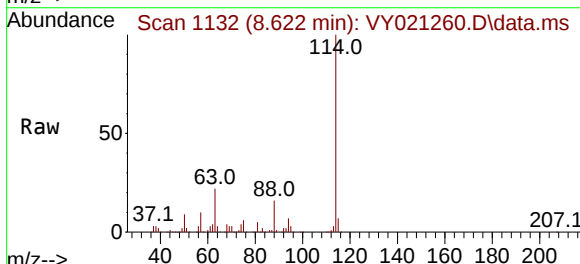
Tgt Ion: 114 Resp: 358148

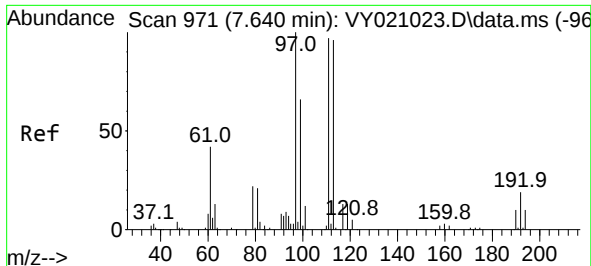
Ion Ratio Lower Upper

114 100

63 21.9 0.0 37.4

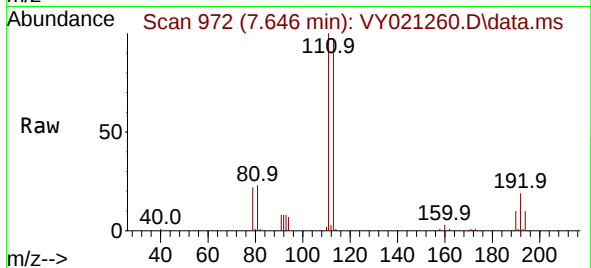
88 15.8 0.0 29.0



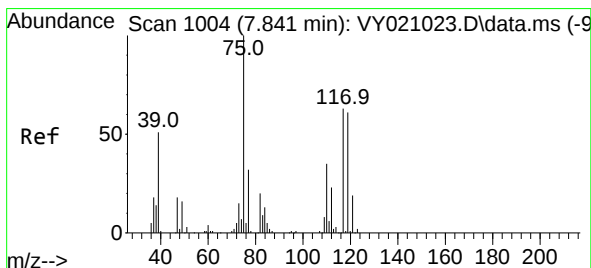
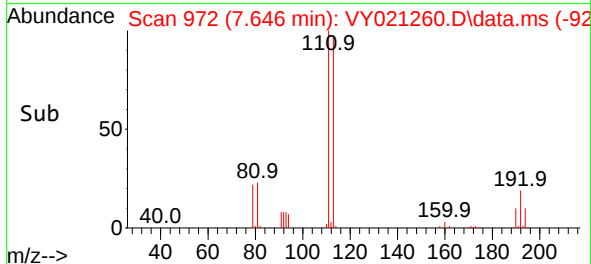
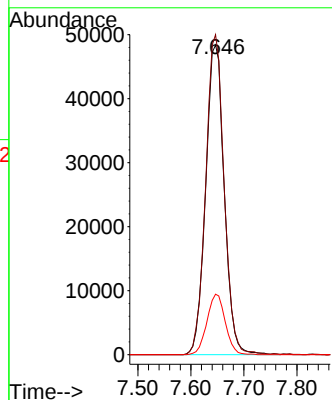


#35
 Dibromofluoromethane
 Concen: 51.276 ug/l
 RT: 7.646 min Scan# 91
 Delta R.T. 0.006 min
 Lab File: VY021260.D
 Acq: 20 Feb 2025 19:26

Instrument :
 MSVOA_Y
 ClientSampleId :

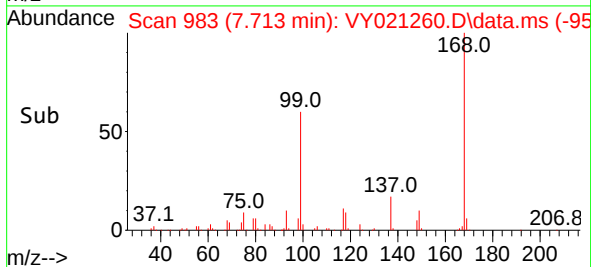
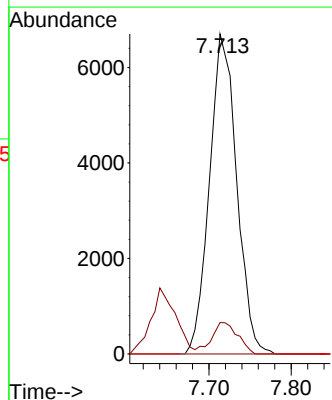
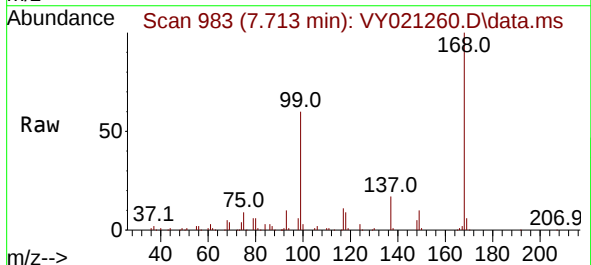


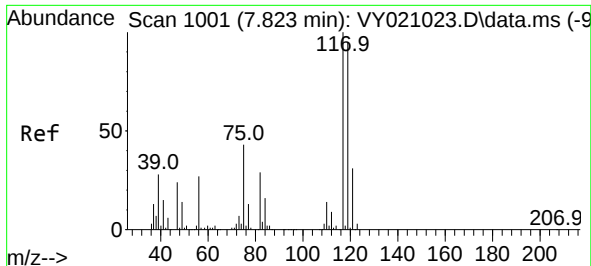
Tgt Ion:113 Resp: 117691
 Ion Ratio Lower Upper
 113 100
 111 102.3 83.8 125.6
 192 19.3 14.5 21.7



#36
 1,1-Dichloropropene
 Concen: 4.530 ug/l
 RT: 7.713 min Scan# 983
 Delta R.T. -0.128 min
 Lab File: VY021260.D
 Acq: 20 Feb 2025 19:26

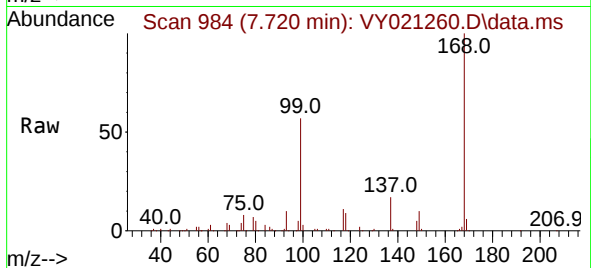
Tgt Ion: 75 Resp: 15402
 Ion Ratio Lower Upper
 75 100
 110 9.4 17.4 52.3#
 77 0.0 24.7 37.1#



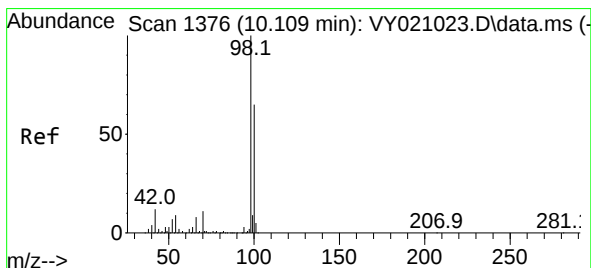
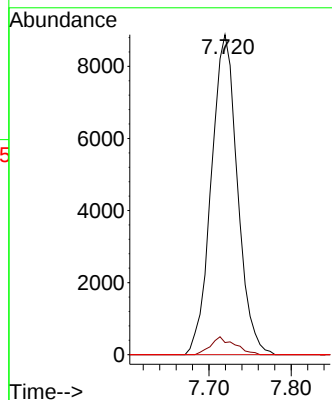
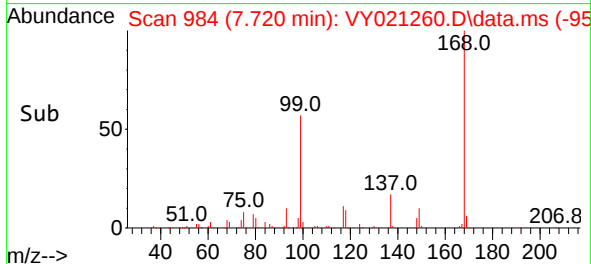


#38
Carbon Tetrachloride
Concen: 4.937 ug/l
RT: 7.720 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY021260.D
Acq: 20 Feb 2025 19:26

Instrument :
MSVOA_Y
ClientSampleId :

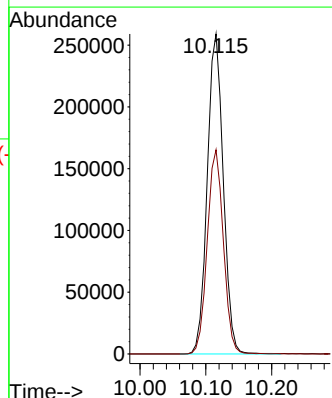
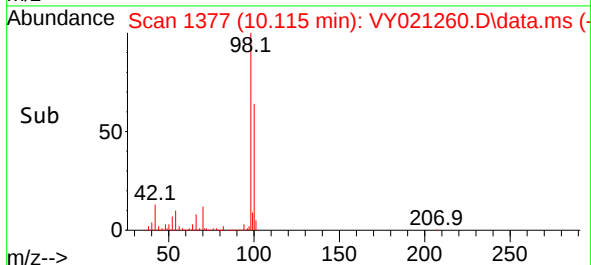
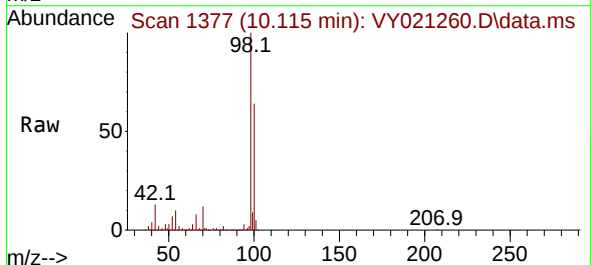


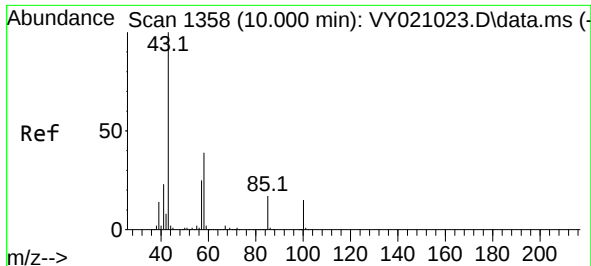
Tgt Ion:117 Resp: 19611
Ion Ratio Lower Upper
117 100
119 3.8 76.0 114.0#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 50.228 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.006 min
Lab File: VY021260.D
Acq: 20 Feb 2025 19:26

Tgt Ion: 98 Resp: 438898
Ion Ratio Lower Upper
98 100
100 64.2 52.3 78.5

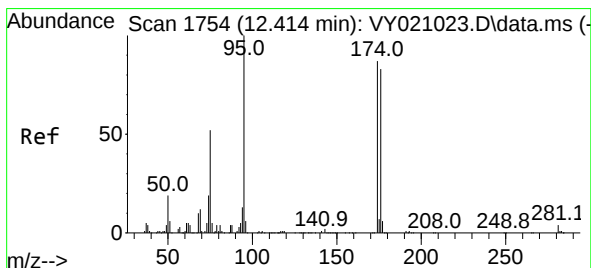
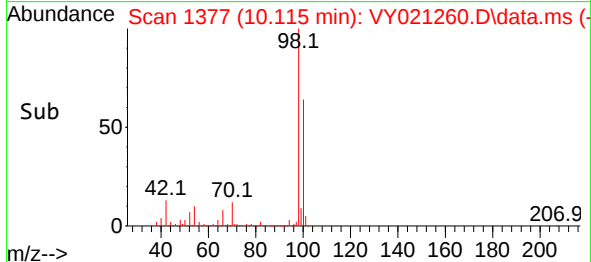
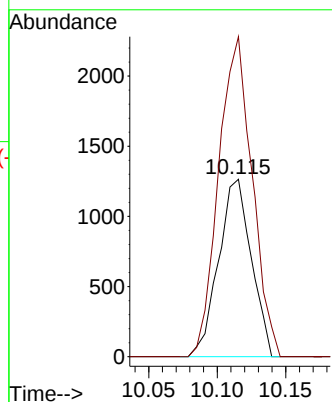
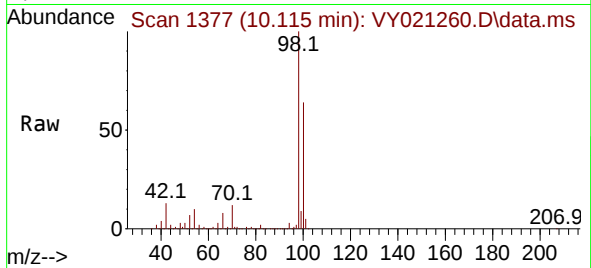




#51
4-Methyl-2-Pentanone
Concen: 1.410 ug/l
RT: 10.115 min Scan# 1358
Delta R.T. 0.116 min
Lab File: VY021260.D
Acq: 20 Feb 2025 19:26

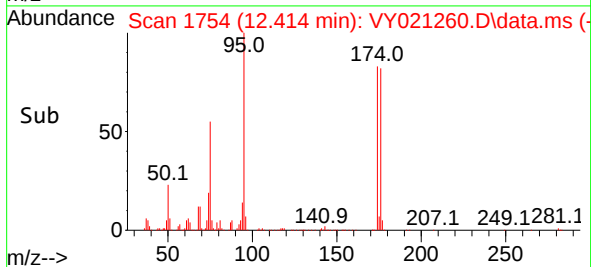
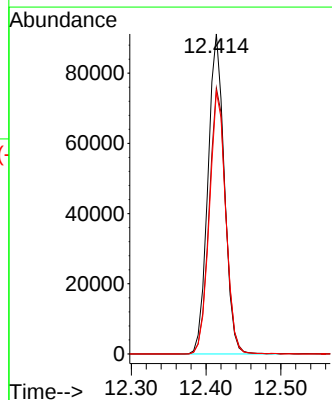
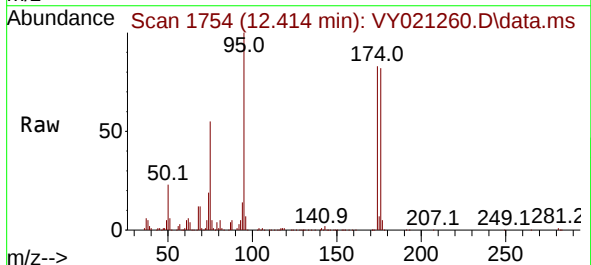
Instrument :
MSVOA_Y
ClientSampleId :

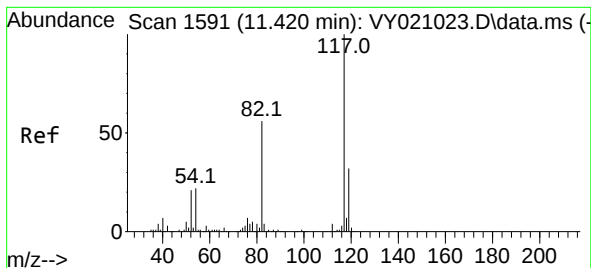
Tgt Ion: 43 Resp: 2101
Ion Ratio Lower Upper
43 100
58 185.0 32.2 48.2#



#62
4-Bromofluorobenzene
Concen: 48.667 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.000 min
Lab File: VY021260.D
Acq: 20 Feb 2025 19:26

Tgt Ion: 95 Resp: 138930
Ion Ratio Lower Upper
95 100
174 83.9 0.0 160.0
176 81.4 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.426 min Scan# 11

Delta R.T. 0.006 min

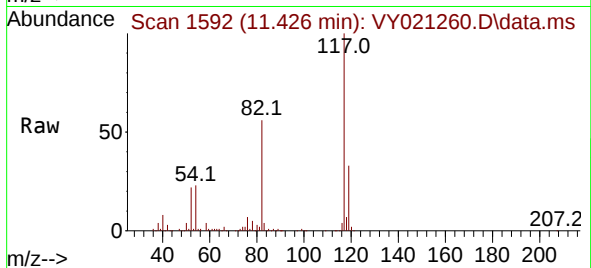
Lab File: VY021260.D

Acq: 20 Feb 2025 19:26

Instrument :

MSVOA_Y

ClientSampleId :



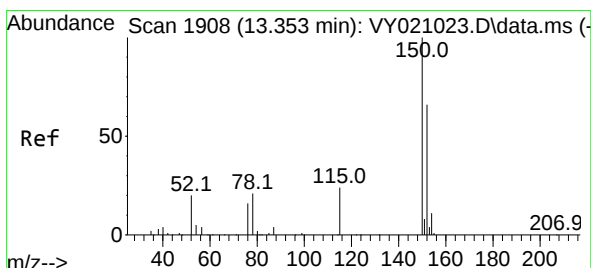
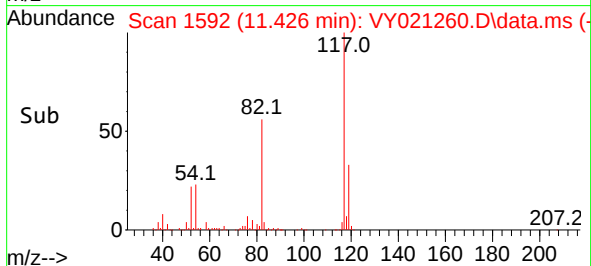
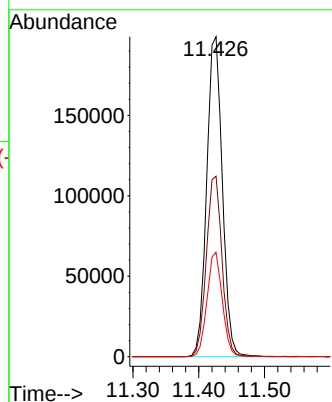
Tgt Ion:117 Resp: 329429

Ion Ratio Lower Upper

117 100

82 56.4 43.8 65.8

119 32.6 26.5 39.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.359 min Scan# 1909

Delta R.T. 0.006 min

Lab File: VY021260.D

Acq: 20 Feb 2025 19:26

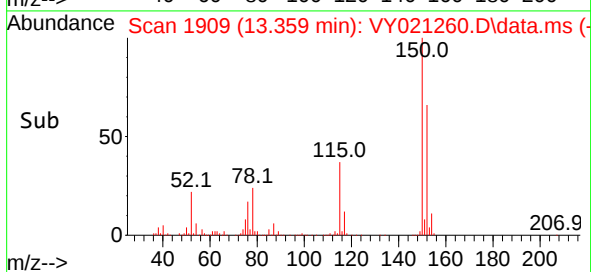
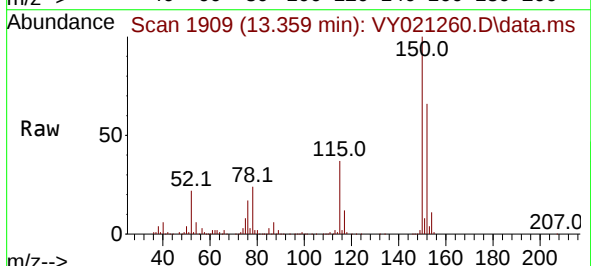
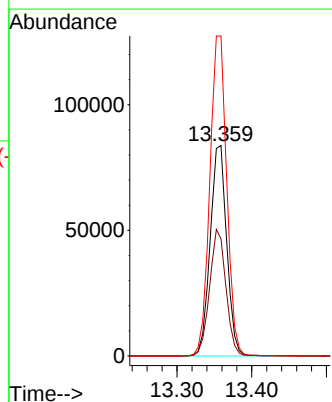
Tgt Ion:152 Resp: 128849

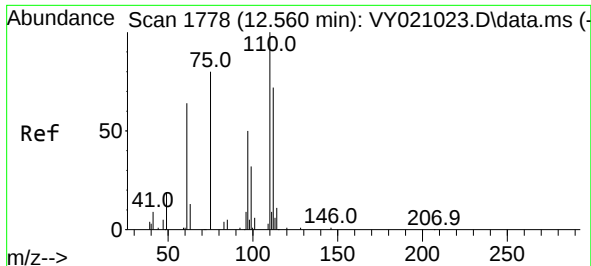
Ion Ratio Lower Upper

152 100

115 59.3 30.0 90.0

150 154.8 0.0 344.6

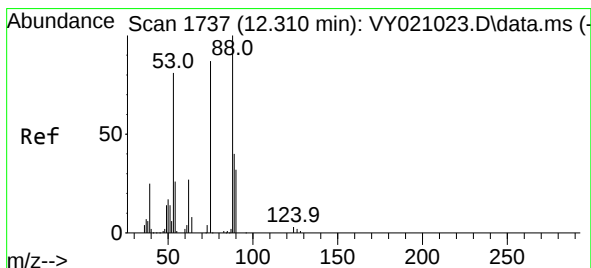
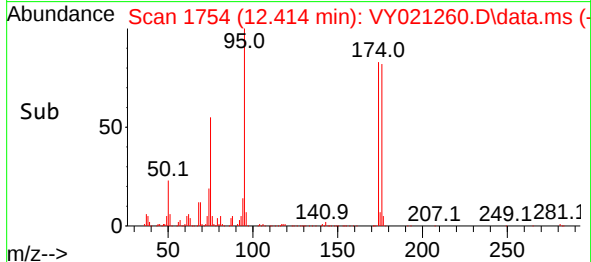
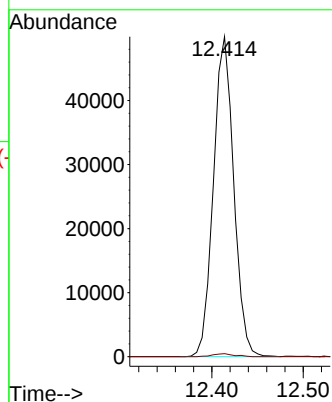
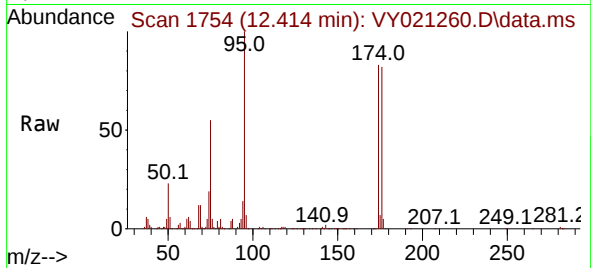




#76
 1,2,3-Trichloropropane
 Concen: 65.949 ug/l
 RT: 12.414 min Scan# 1754
 Delta R.T. -0.146 min
 Lab File: VY021260.D
 Acq: 20 Feb 2025 19:26

Instrument :
 MSVOA_Y
 ClientSampleId :

Tgt Ion: 75 Resp: 77082
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 134.567 ug/l
 RT: 12.414 min Scan# 1754
 Delta R.T. 0.104 min
 Lab File: VY021260.D
 Acq: 20 Feb 2025 19:26

Tgt Ion: 75 Resp: 77082
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.0 111.0#
 89 0.1 36.5 54.7#

