

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042325\
 Data File : VY021982.D
 Acq On : 23 Apr 2025 19:21
 Operator : SY/MD
 Sample : Q1859-02
 Misc : 5.71g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 COMP-2

Quant Time: Apr 24 03:48:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

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

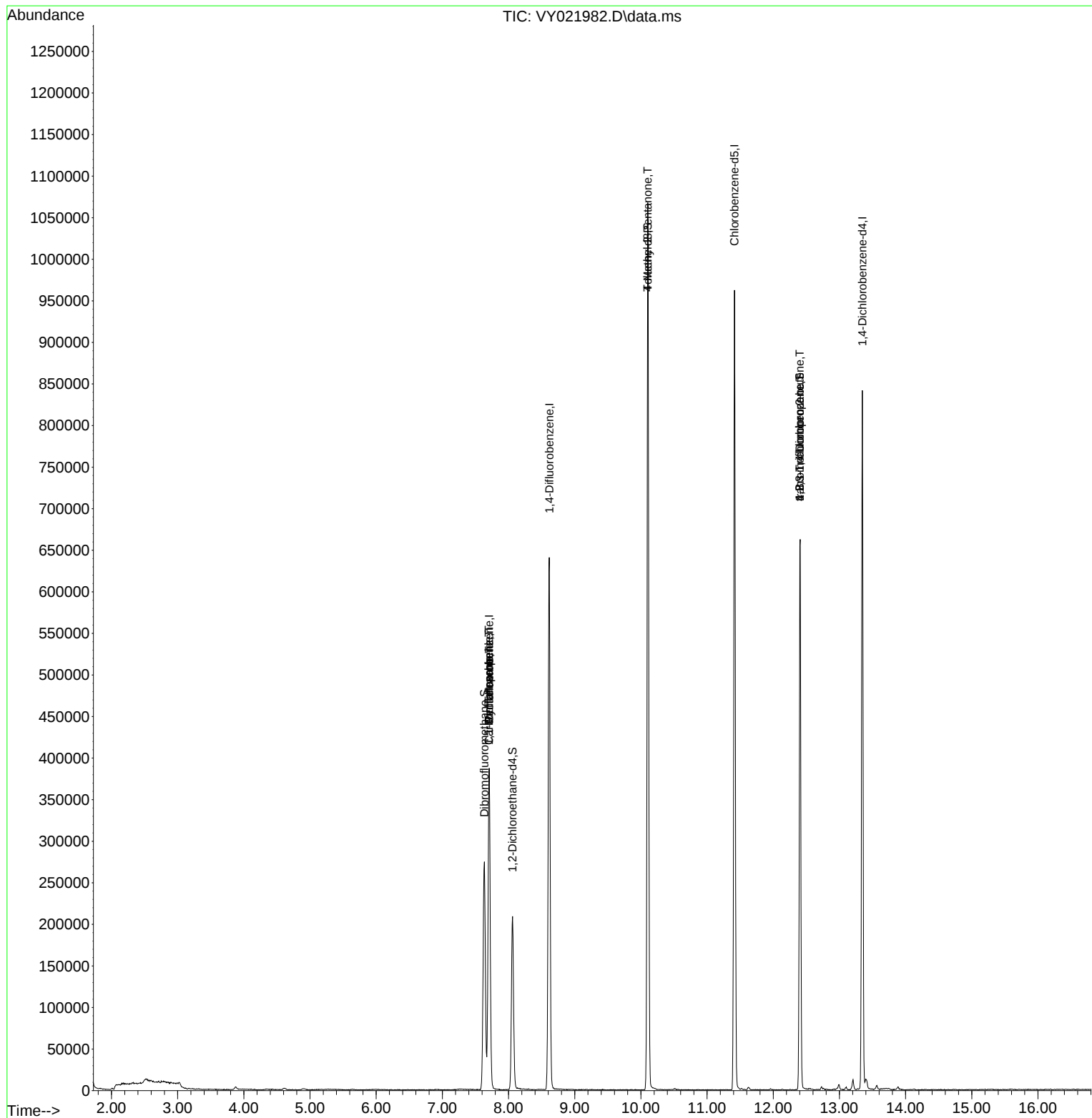
Internal Standards						
1) Pentafluorobenzene	7.707	168	298943	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	576008	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	529750	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	215851	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	163840	59.335	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 118.660%	
35) Dibromofluoromethane	7.634	113	197135	51.804	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.600%	
50) Toluene-d8	10.103	98	700579	48.833	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.660%	
62) 4-Bromofluorobenzene	12.401	95	208937	43.262	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 86.520%	
Target Compounds						Qvalue
16) Acetone	3.872	43	5014	Below Cal	98	
31) Cyclohexane	7.707	56	5728	1.255	ug/l #	1
36) 1,1-Dichloropropene	7.701	75	22155	4.334	ug/l #	47
38) Carbon Tetrachloride	7.701	117	30327	4.965	ug/l #	16
51) 4-Methyl-2-Pentanone	10.103	43	2522	1.365	ug/l #	1
76) 1,2,3-Trichloropropane	12.401	75	101202	54.737	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.401	75	101202	131.815	ug/l #	16

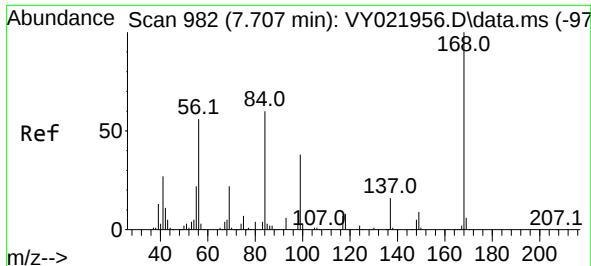
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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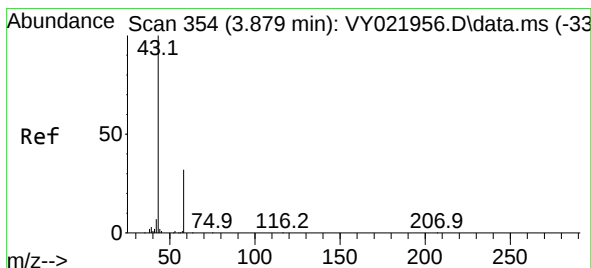
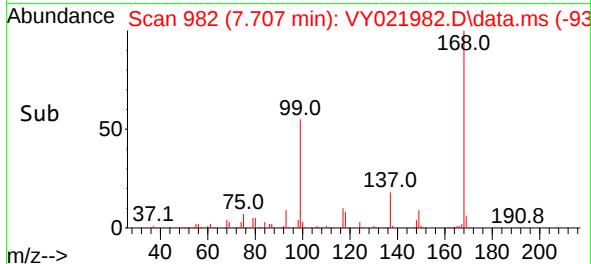
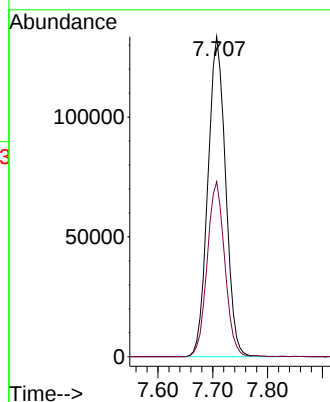
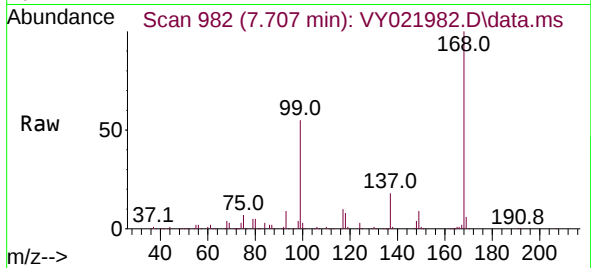




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021982.D
Acq: 23 Apr 2025 19:21

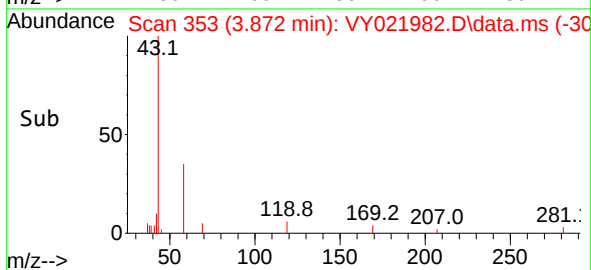
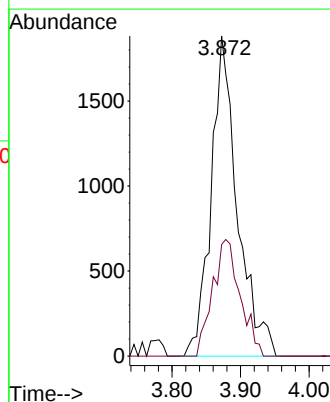
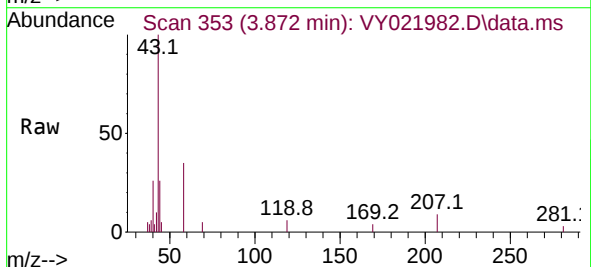
Instrument :
MSVOA_Y
ClientSampleId :
COMP-2

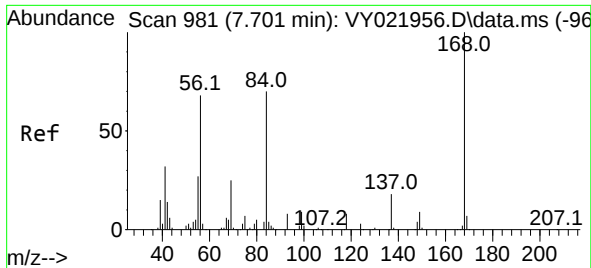
Tgt Ion:168 Resp: 298943
Ion Ratio Lower Upper
168 100
99 54.7 43.1 64.7



#16
Acetone
Concen: Below Cal
RT: 3.872 min Scan# 353
Delta R.T. -0.007 min
Lab File: VY021982.D
Acq: 23 Apr 2025 19:21

Tgt Ion: 43 Resp: 5014
Ion Ratio Lower Upper
43 100
58 34.9 27.0 40.4

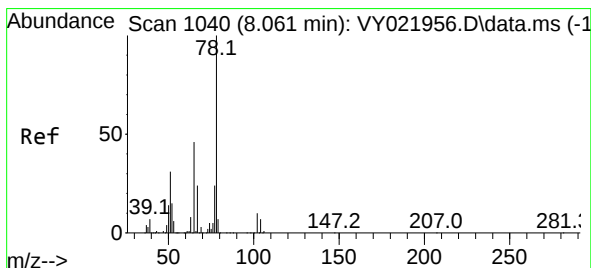
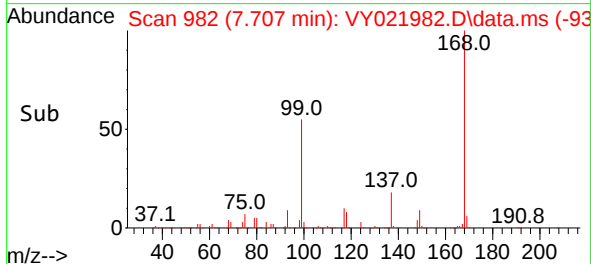
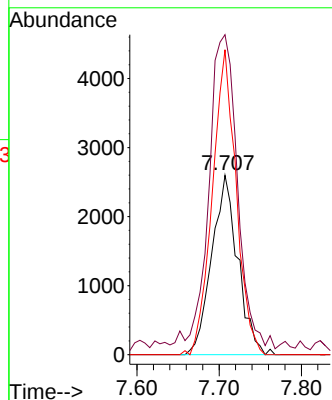
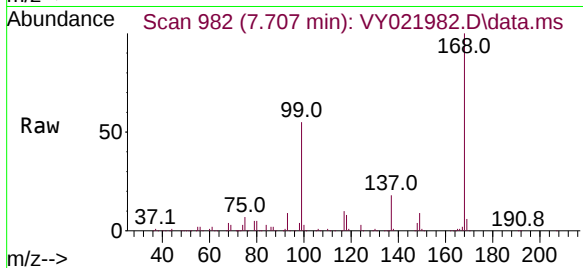




#31
Cyclohexane
Concen: 1.255 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY021982.D
Acq: 23 Apr 2025 19:21

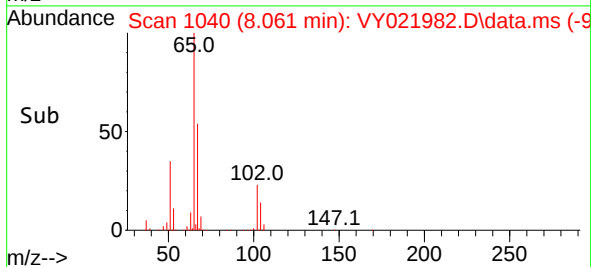
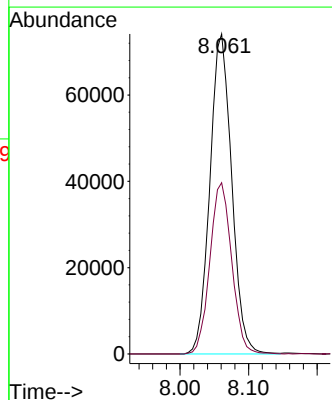
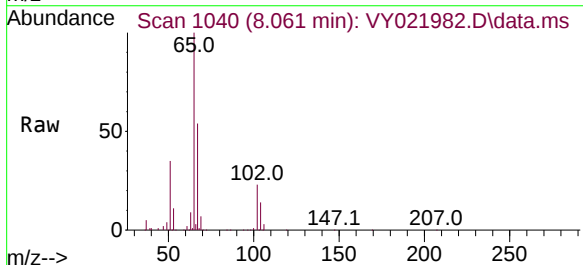
Instrument :
MSVOA_Y
ClientSampleId :
COMP-2

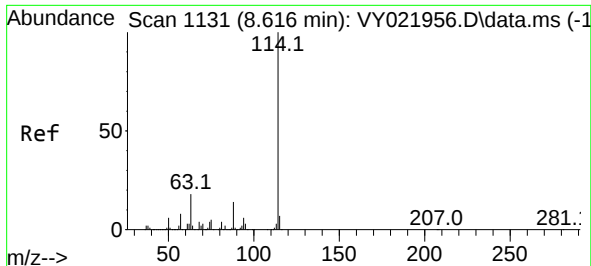
Tgt Ion: 56 Resp: 5728
Ion Ratio Lower Upper
56 100
69 172.7 29.4 44.2#
84 170.1 82.2 123.4#



#33
1,2-Dichloroethane-d4
Concen: 59.335 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY021982.D
Acq: 23 Apr 2025 19:21

Tgt Ion: 65 Resp: 163840
Ion Ratio Lower Upper
65 100
67 53.6 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: VY021982.D

Acq: 23 Apr 2025 19:21

Instrument :

MSVOA_Y

ClientSampleId :

COMP-2

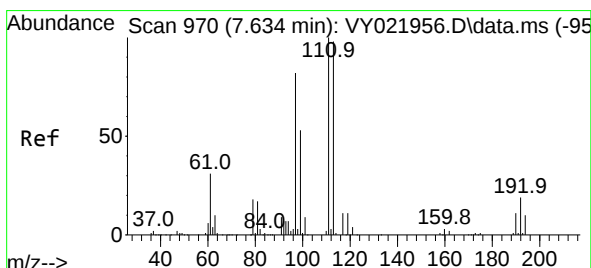
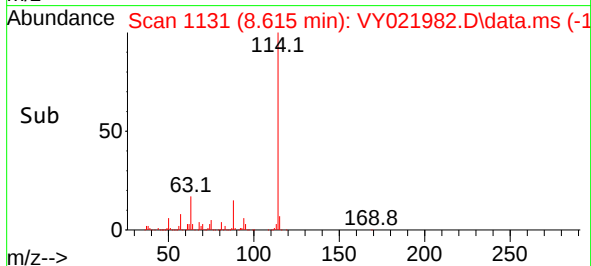
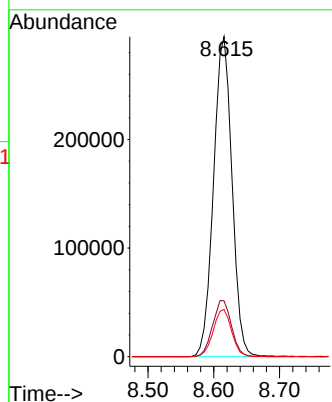
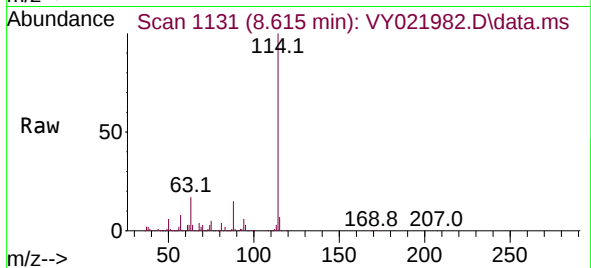
Tgt Ion:114 Resp: 576008

Ion Ratio Lower Upper

114 100

63 17.5 0.0 35.4

88 14.8 0.0 28.2



#35

Dibromofluoromethane

Concen: 51.804 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.000 min

Lab File: VY021982.D

Acq: 23 Apr 2025 19:21

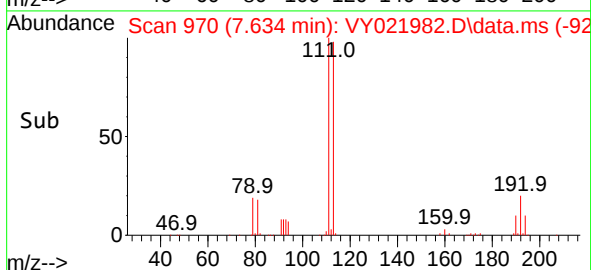
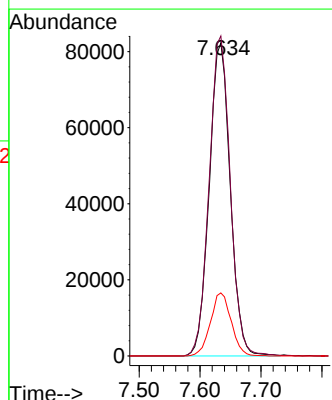
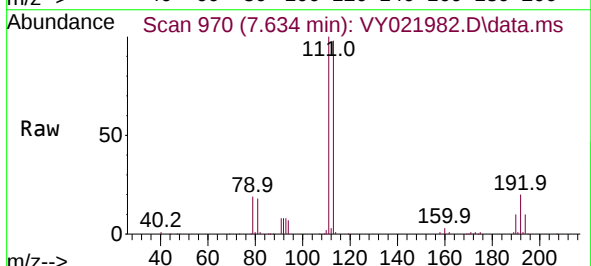
Tgt Ion:113 Resp: 197135

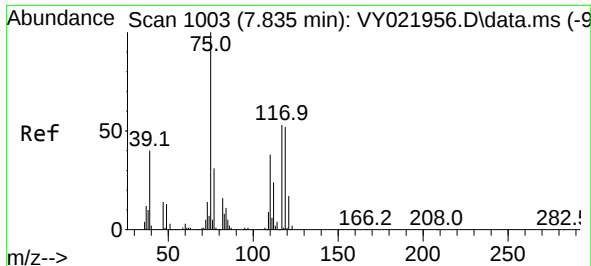
Ion Ratio Lower Upper

113 100

111 102.6 81.8 122.8

192 19.9 15.6 23.4





#36

1,1-Dichloropropene

Concen: 4.334 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.134 min

Lab File: VY021982.D

Acq: 23 Apr 2025 19:21

Instrument :

MSVOA_Y

ClientSampleId :

COMP-2

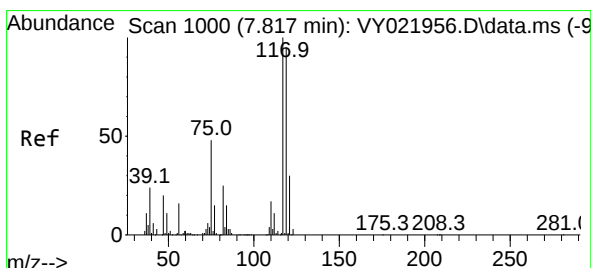
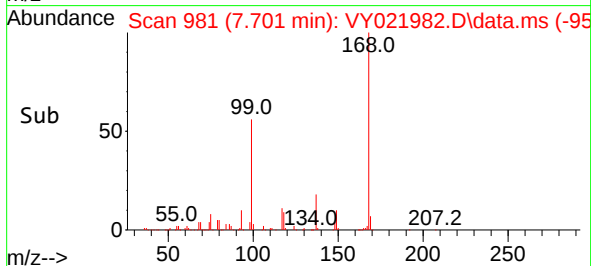
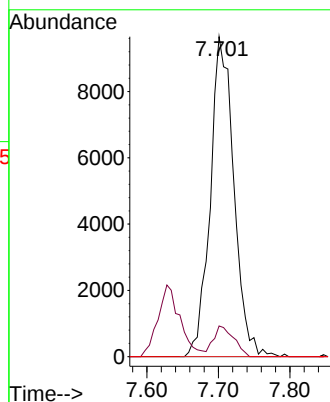
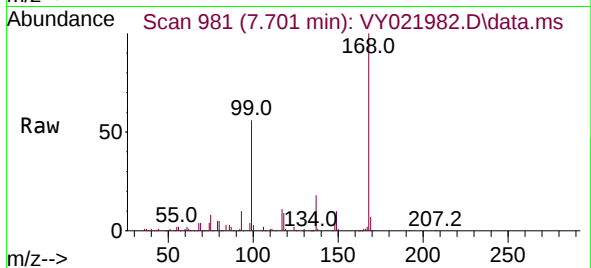
Tgt Ion: 75 Resp: 22155

Ion Ratio Lower Upper

75 100

110 8.2 19.1 57.3#

77 0.0 25.5 38.3#



#38

Carbon Tetrachloride

Concen: 4.965 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.116 min

Lab File: VY021982.D

Acq: 23 Apr 2025 19:21

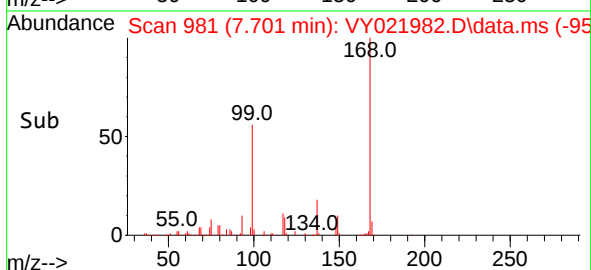
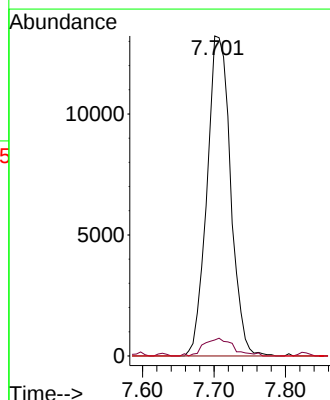
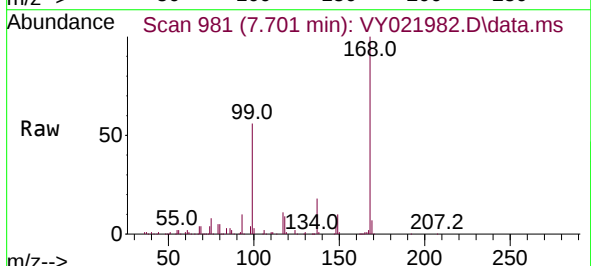
Tgt Ion: 117 Resp: 30327

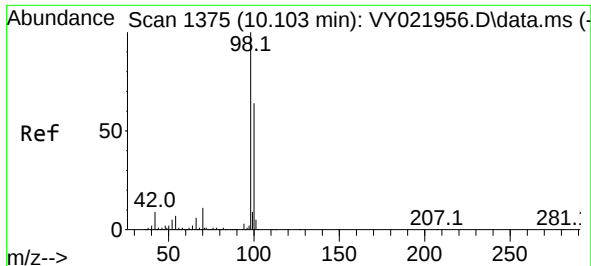
Ion Ratio Lower Upper

117 100

119 5.0 76.2 114.4#

121 0.0 24.0 36.0#

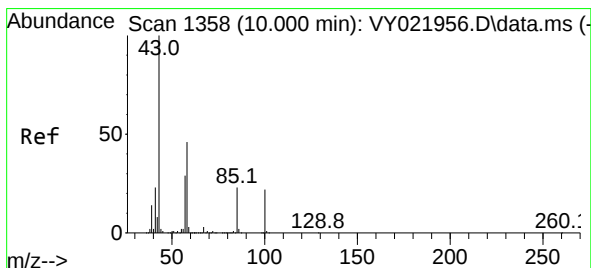
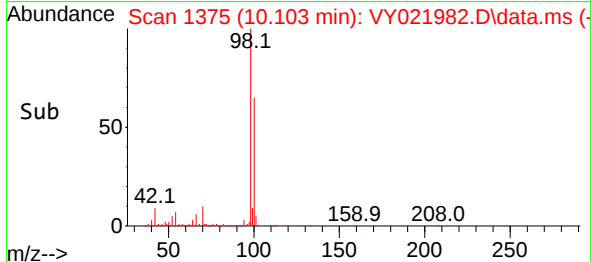
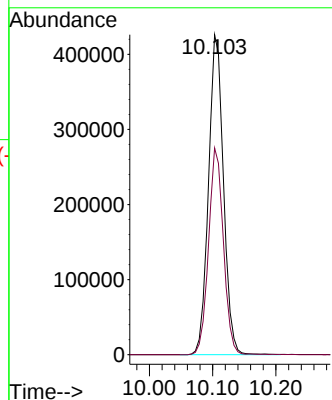
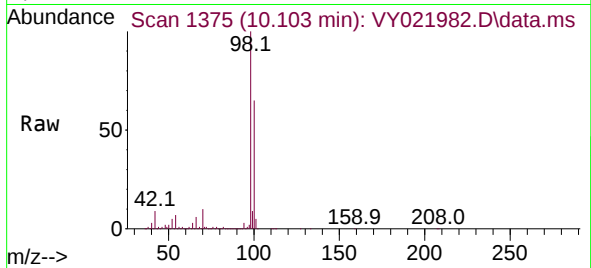




#50
Toluene-d8
Concen: 48.833 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY021982.D
Acq: 23 Apr 2025 19:21

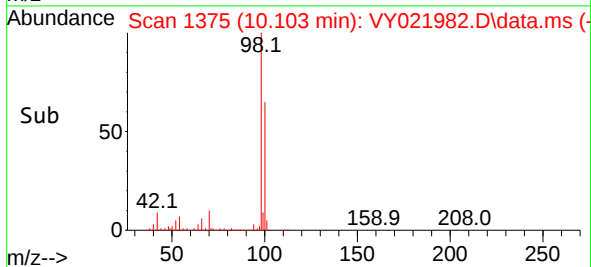
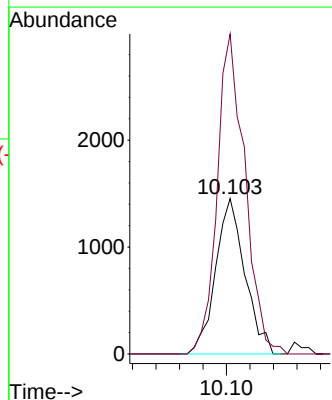
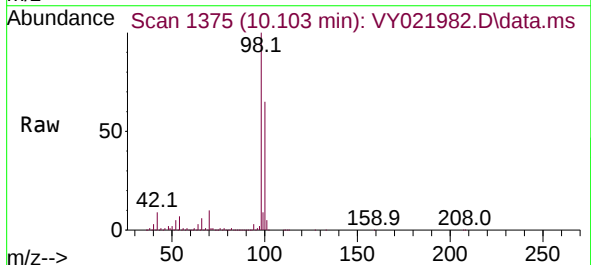
Instrument :
MSVOA_Y
ClientSampleId :
COMP-2

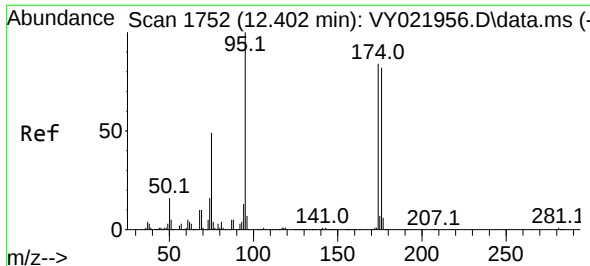
Tgt Ion: 98 Resp: 700579
Ion Ratio Lower Upper
98 100
100 64.1 51.6 77.4



#51
4-Methyl-2-Pentanone
Concen: 1.365 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.103 min
Lab File: VY021982.D
Acq: 23 Apr 2025 19:21

Tgt Ion: 43 Resp: 2522
Ion Ratio Lower Upper
43 100
58 195.1 36.6 55.0#

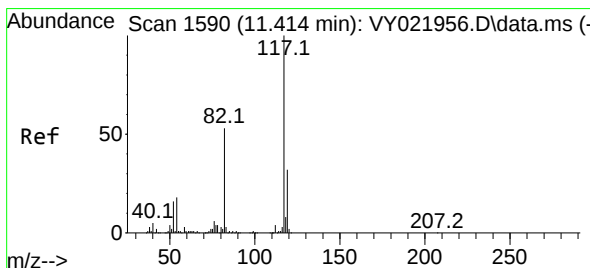
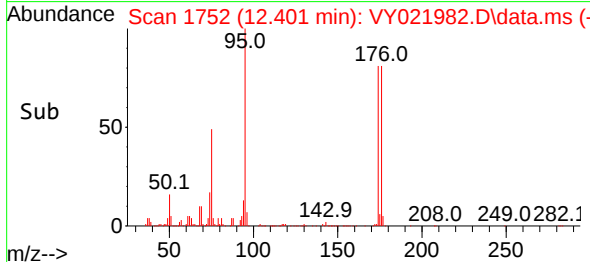
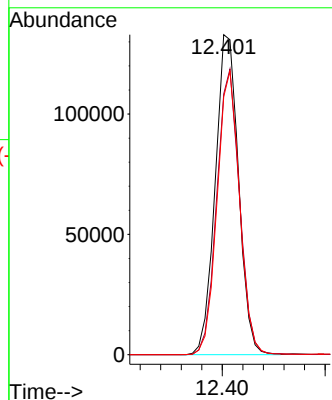
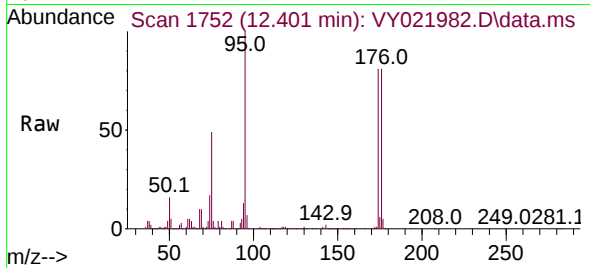




#62
4-Bromofluorobenzene
Concen: 43.262 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY021982.D
Acq: 23 Apr 2025 19:21

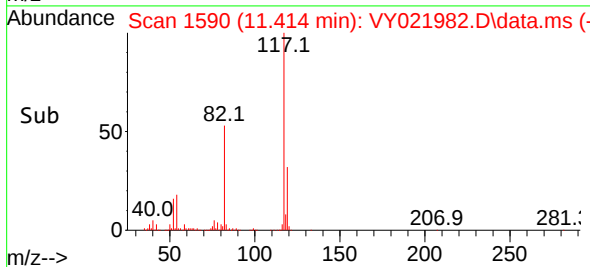
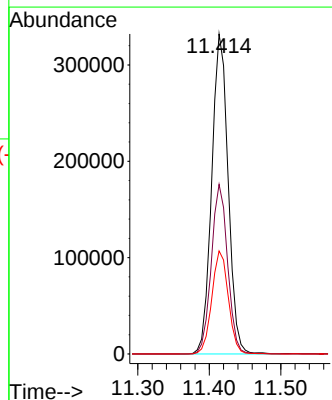
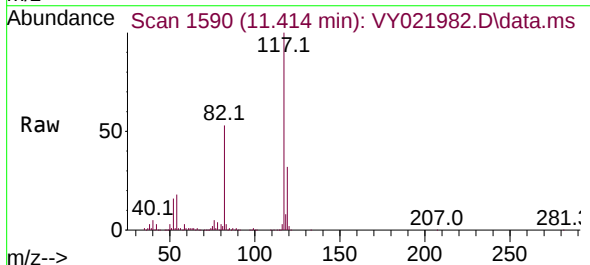
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MSVOA_Y
ClientSampleId :
COMP-2

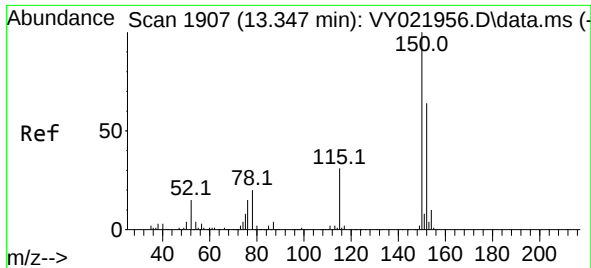
Tgt Ion: 95 Resp: 208937
Ion Ratio Lower Upper
95 100
174 87.2 0.0 179.0
176 85.4 0.0 171.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY021982.D
Acq: 23 Apr 2025 19:21

Tgt Ion: 117 Resp: 529750
Ion Ratio Lower Upper
117 100
82 53.0 42.1 63.1
119 32.2 25.7 38.5

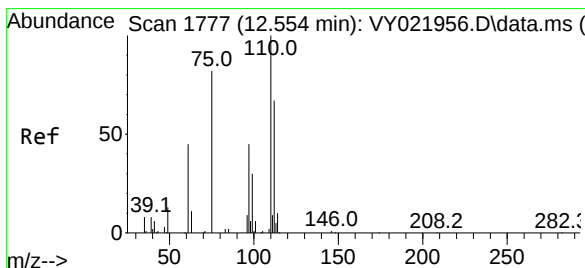
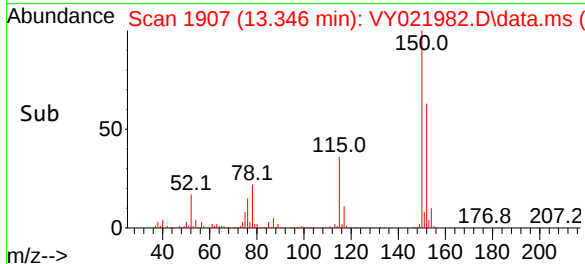
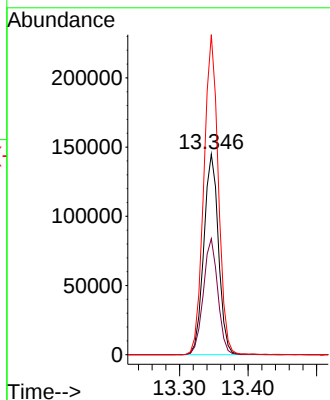
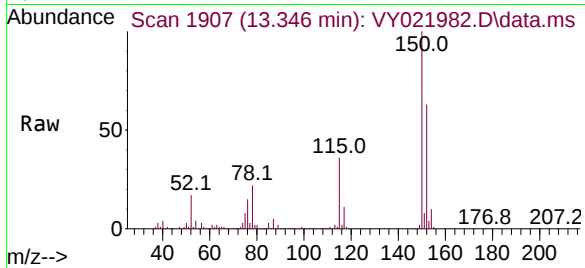




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. -0.000 min
 Lab File: VY021982.D
 Acq: 23 Apr 2025 19:21

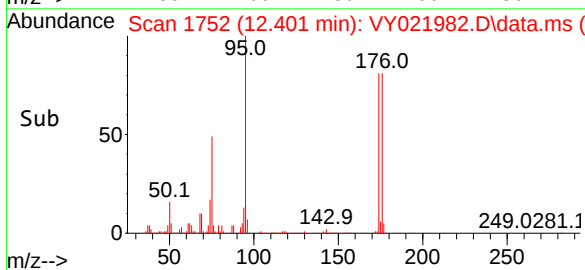
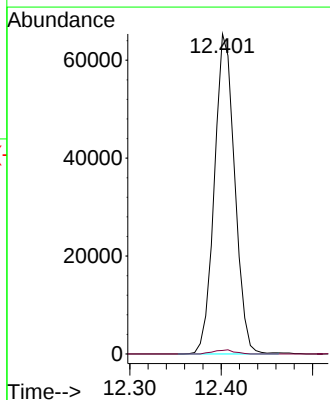
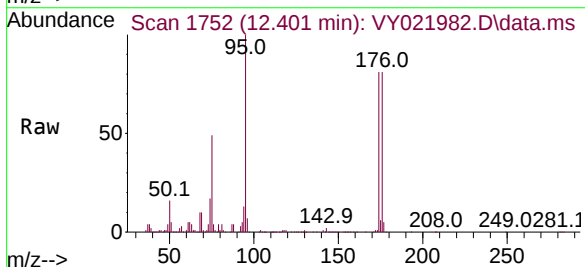
Instrument :
 MSVOA_Y
 ClientSampleId :
 COMP-2

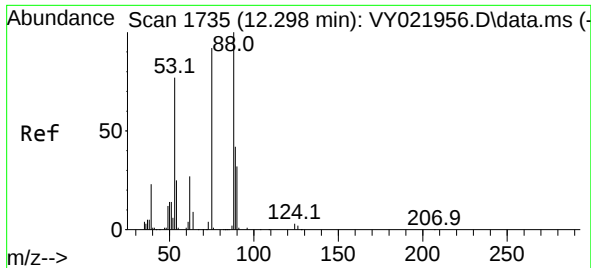
Tgt Ion:152 Resp: 215851
 Ion Ratio Lower Upper
 152 100
 115 57.1 28.0 84.0
 150 157.6 0.0 345.6



#76
 1,2,3-Trichloropropane
 Concen: 54.737 ug/l
 RT: 12.401 min Scan# 1752
 Delta R.T. -0.153 min
 Lab File: VY021982.D
 Acq: 23 Apr 2025 19:21

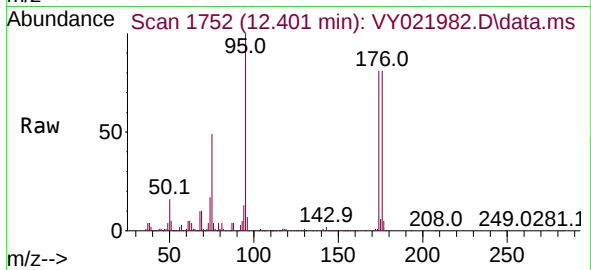
Tgt Ion: 75 Resp: 101202
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 131.815 ug/l
RT: 12.401 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY021982.D
Acq: 23 Apr 2025 19:21

Instrument :
MSVOA_Y
ClientSampleId :
COMP-2



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.2	66.0	99.0#
89	0.1	37.2	55.8#

