

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110122\
 Data File : VY011231.D
 Acq On : 01 Nov 2022 18:43
 Operator : KP/MD
 Sample : N5393-01
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SU-4-103122

Quant Time: Nov 02 01:43:45 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110122S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 01 11:56:18 2022
 Response via : Initial Calibration

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

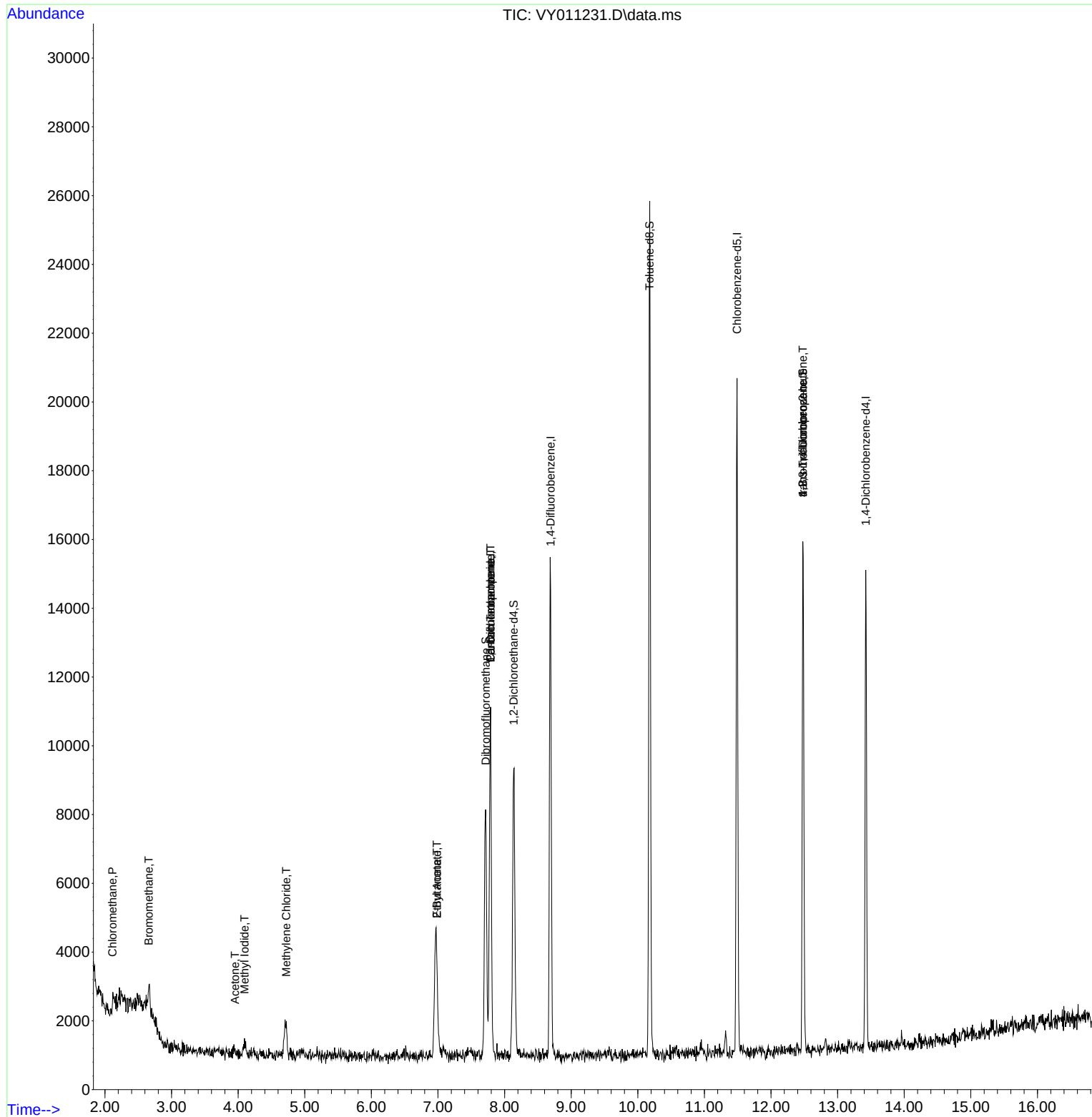
Internal Standards						
1) Pentafluorobenzene	7.789	168	8070	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.691	114	13018	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	11440	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	4328	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	6891	79.841	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 159.680%	
35) Dibromofluoromethane	7.716	113	5701	68.161	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 136.320%	
50) Toluene-d8	10.179	98	17433	53.683	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 107.360%	
62) 4-Bromofluorobenzene	12.477	95	5140	45.593	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 91.180%	
Target Compounds						Qvalue
3) Chloromethane	2.113	50	221	2.470	ug/l	93
5) Bromomethane	2.656	94	351	5.263	ug/l #	68
10) Methyl Iodide	4.094	142	588	5.145	ug/l #	61
11) Tert butyl alcohol	4.942	59	82	Below Cal	#	77
16) Acetone	3.954	43	311	11.937	ug/l #	47
20) Methylene Chloride	4.722	84	996	4.802	ug/l #	54
25) 2-Butanone	6.984	43	145	3.955	ug/l #	54
36) 1,1-Dichloropropene	7.789	75	584	4.276	ug/l #	42
37) Ethyl Acetate	6.984	43	145	1.969	ug/l #	1
38) Carbon Tetrachloride	7.789	117	777	5.483	ug/l #	11
76) 1,2,3-Trichloropropane	12.477	75	2490	47.258	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	2490	101.138	ug/l #	7

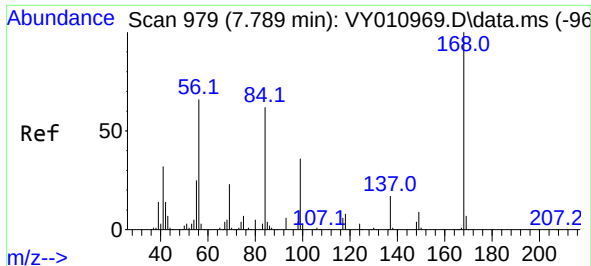
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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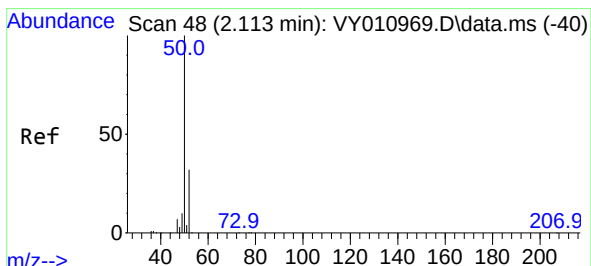
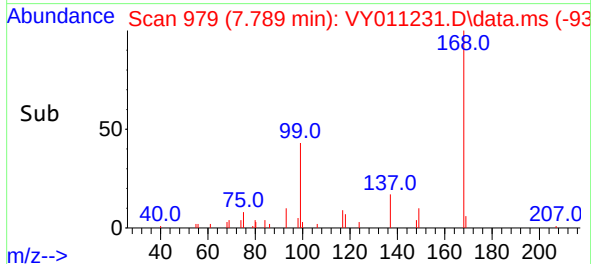
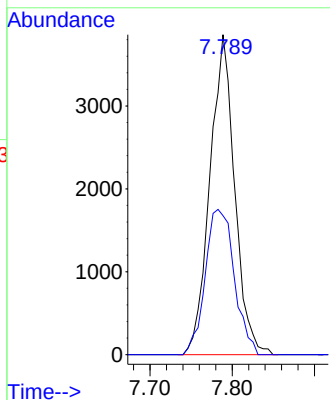
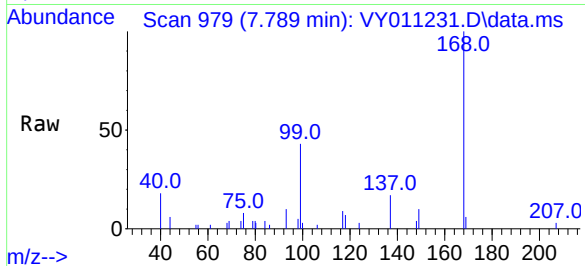




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011231.D
Acq: 01 Nov 2022 18:43

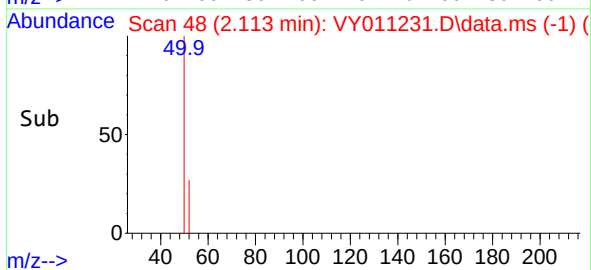
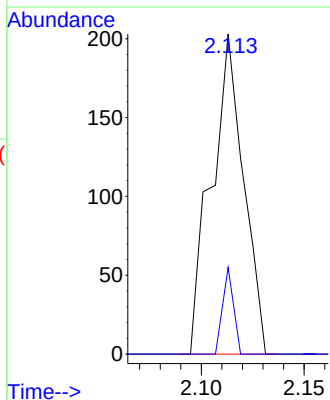
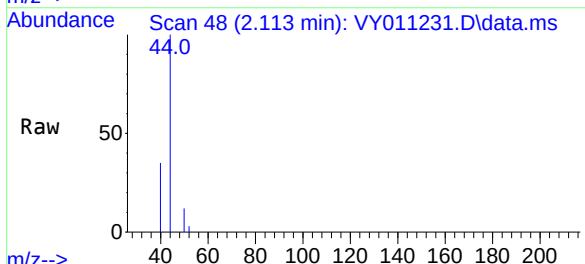
Instrument :
MSVOA_Y
ClientSampleId :
SU-4-103122

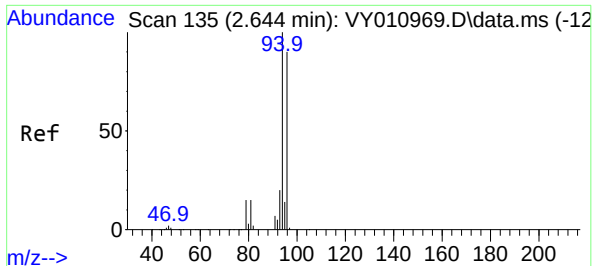
Tgt Ion:168 Resp: 8070
Ion Ratio Lower Upper
168 100
99 43.5 46.9 70.3#



#3
Chloromethane
Concen: 2.470 ug/l
RT: 2.113 min Scan# 48
Delta R.T. -0.000 min
Lab File: VY011231.D
Acq: 01 Nov 2022 18:43

Tgt Ion: 50 Resp: 221
Ion Ratio Lower Upper
50 100
52 27.1 24.6 37.0

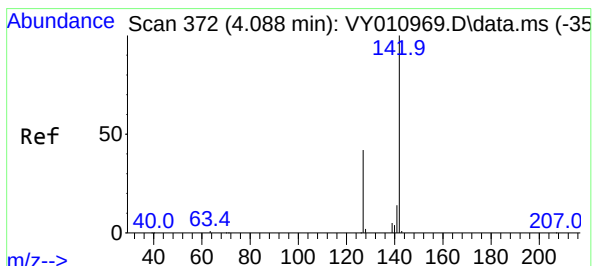
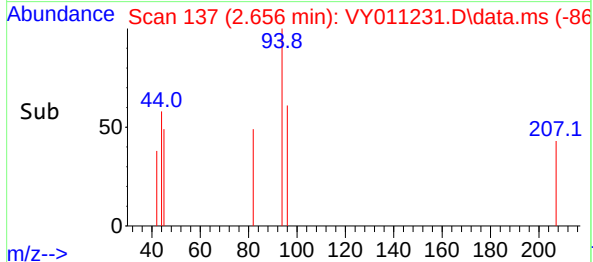
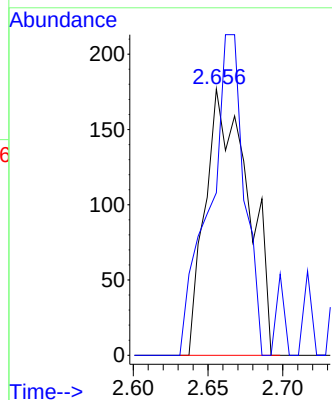
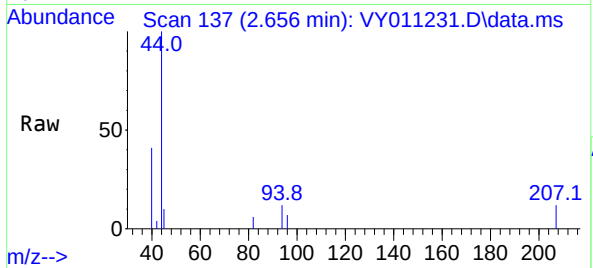




#5
Bromomethane
Concen: 5.263 ug/l
RT: 2.656 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY011231.D
Acq: 01 Nov 2022 18:43

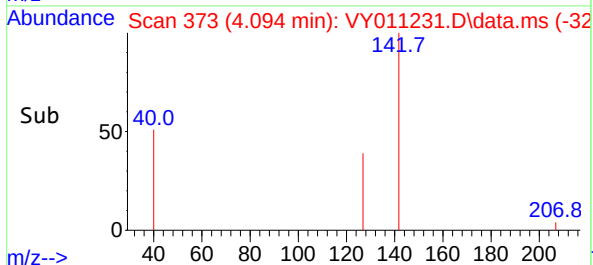
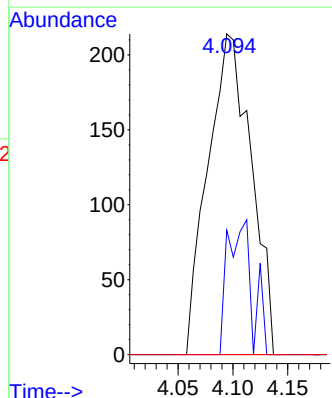
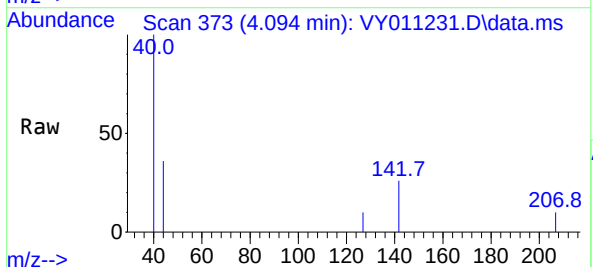
Instrument :
MSVOA_Y
ClientSampleId :
SU-4-103122

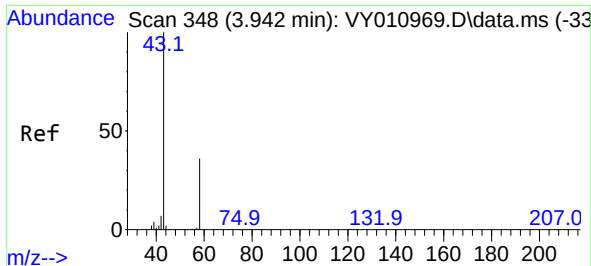
Tgt Ion: 94 Resp: 351
Ion Ratio Lower Upper
94 100
96 61.0 73.5 110.3#



#10
Methyl Iodide
Concen: 5.145 ug/l
RT: 4.094 min Scan# 373
Delta R.T. 0.006 min
Lab File: VY011231.D
Acq: 01 Nov 2022 18:43

Tgt Ion:142 Resp: 588
Ion Ratio Lower Upper
142 100
127 23.6 41.5 62.3#
141 0.0 11.9 17.9#

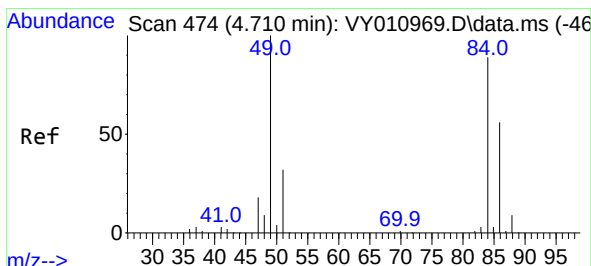
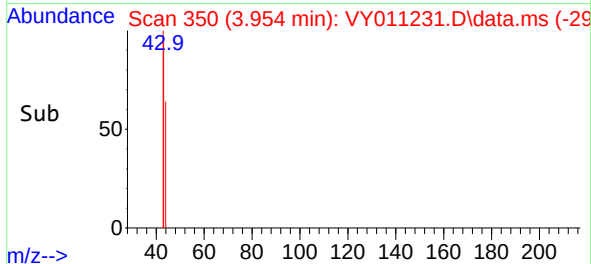
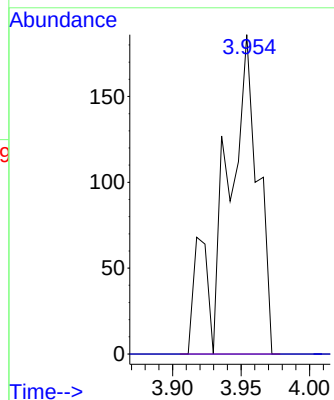
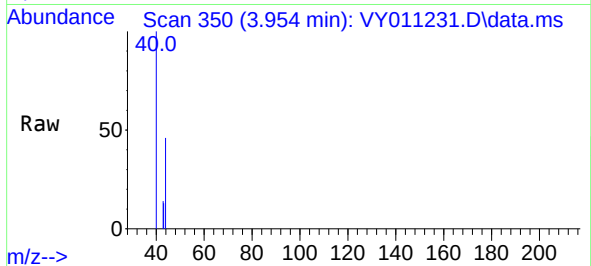




#16
Acetone
Concen: 11.937 ug/l
RT: 3.954 min Scan# 311
Delta R.T. 0.012 min
Lab File: VY011231.D
Acq: 01 Nov 2022 18:43

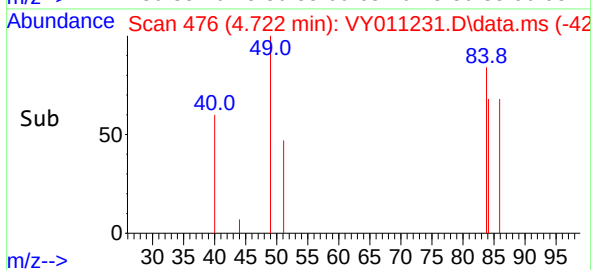
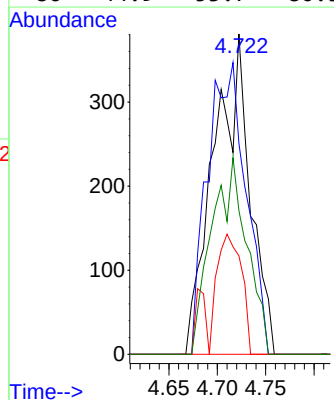
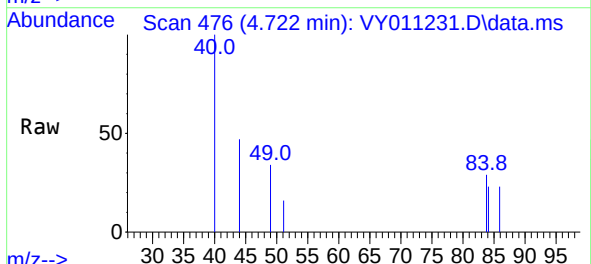
Instrument :
MSVOA_Y
ClientSampleId :
SU-4-103122

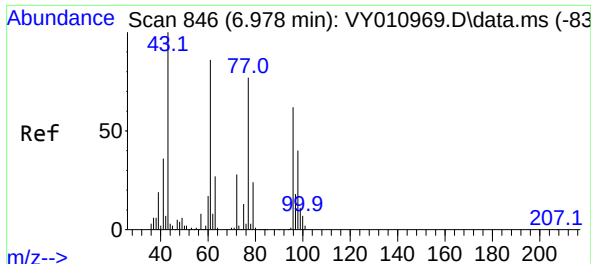
Tgt Ion: 43 Resp: 311
Ion Ratio Lower Upper
43 100
58 0.0 22.0 33.0#



#20
Methylene Chloride
Concen: 4.802 ug/l
RT: 4.722 min Scan# 476
Delta R.T. 0.012 min
Lab File: VY011231.D
Acq: 01 Nov 2022 18:43

Tgt Ion: 84 Resp: 996
Ion Ratio Lower Upper
84 100
49 65.9 114.4 171.6#
51 30.7 35.3 52.9#
86 44.9 53.7 80.5#

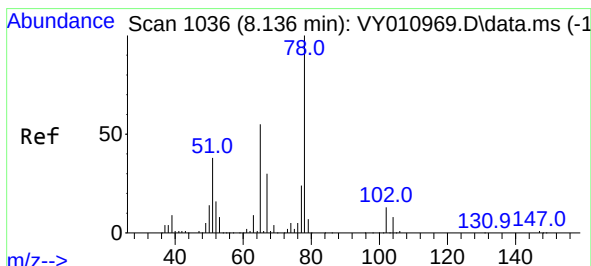
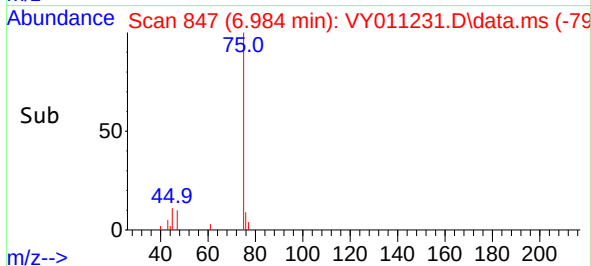
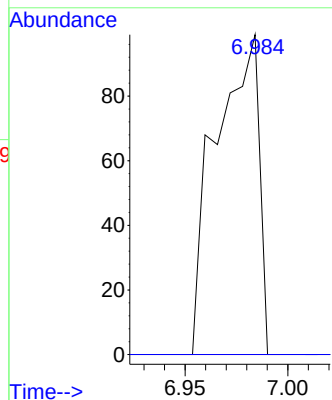
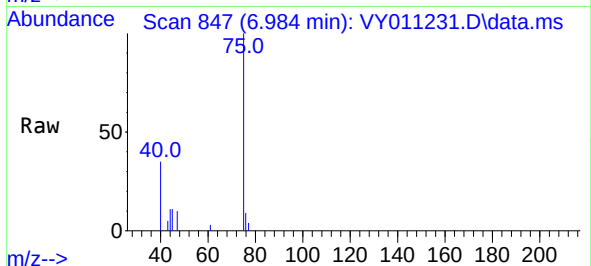




#25
2-Butanone
Concen: 3.955 ug/l
RT: 6.984 min Scan# 846
Delta R.T. 0.006 min
Lab File: VY011231.D
Acq: 01 Nov 2022 18:43

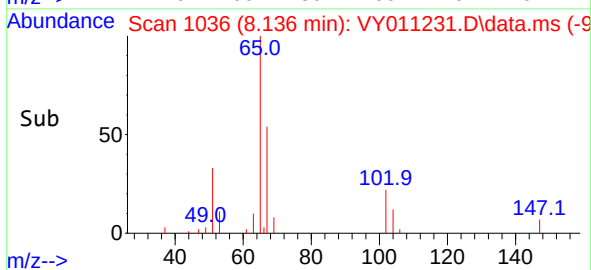
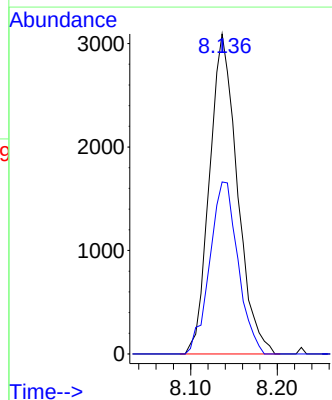
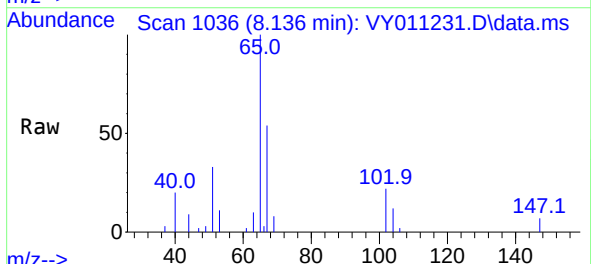
Instrument :
MSVOA_Y
ClientSampleId :
SU-4-103122

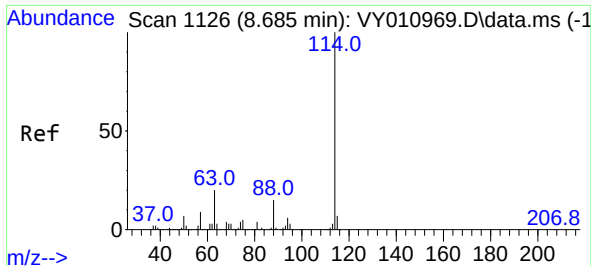
Tgt Ion: 43 Resp: 145
Ion Ratio Lower Upper
43 100
72 0.0 17.7 26.5#



#33
1,2-Dichloroethane-d4
Concen: 79.841 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY011231.D
Acq: 01 Nov 2022 18:43

Tgt Ion: 65 Resp: 6891
Ion Ratio Lower Upper
65 100
67 54.5 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VY011231.D

Acq: 01 Nov 2022 18:43

Instrument :

MSVOA_Y

ClientSampleId :

SU-4-103122

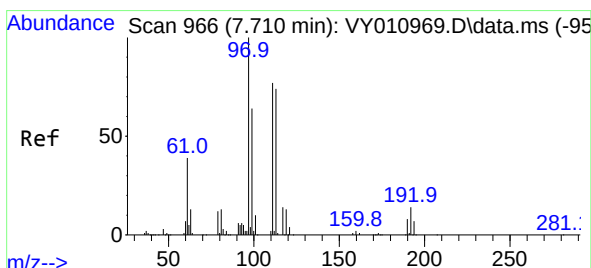
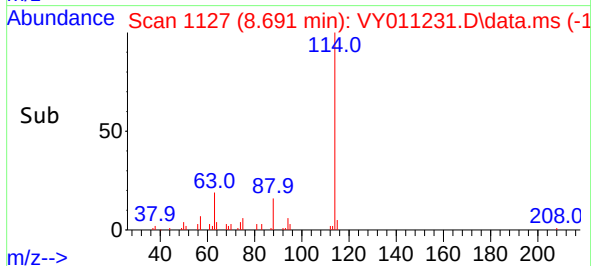
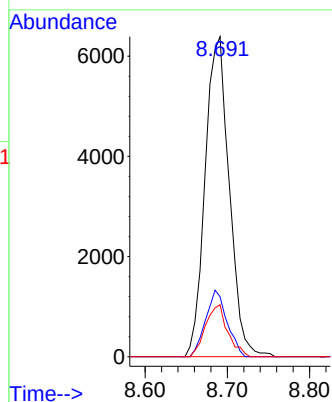
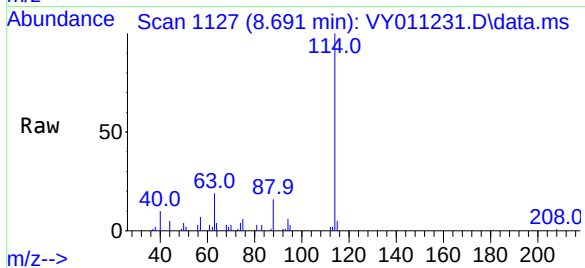
Tgt Ion:114 Resp: 13018

Ion Ratio Lower Upper

114 100

63 18.8 0.0 43.2

88 16.3 0.0 31.8



#35

Dibromofluoromethane

Concen: 68.161 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.006 min

Lab File: VY011231.D

Acq: 01 Nov 2022 18:43

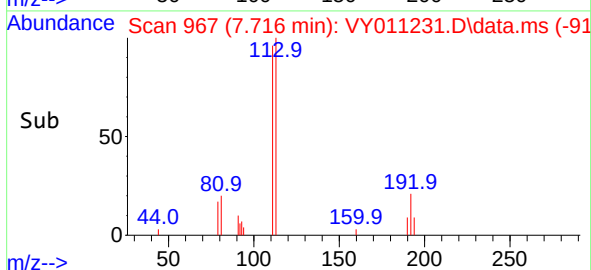
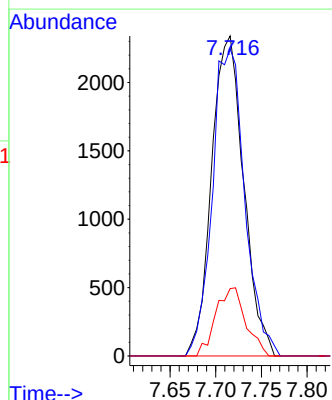
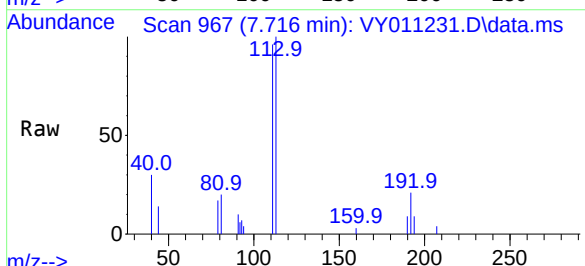
Tgt Ion:113 Resp: 5701

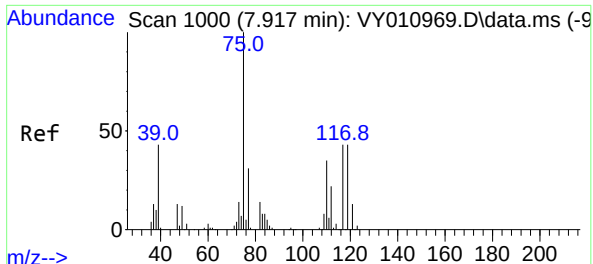
Ion Ratio Lower Upper

113 100

111 97.3 82.6 124.0

192 20.0 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.276 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY011231.D

Acq: 01 Nov 2022 18:43

Instrument :

MSVOA_Y

ClientSampleId :

SU-4-103122

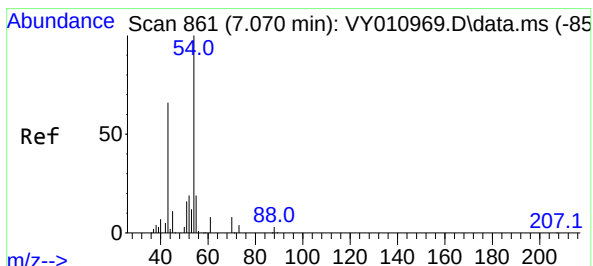
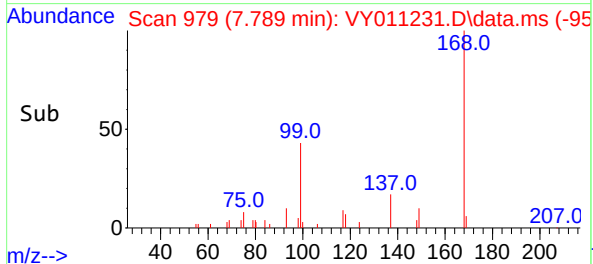
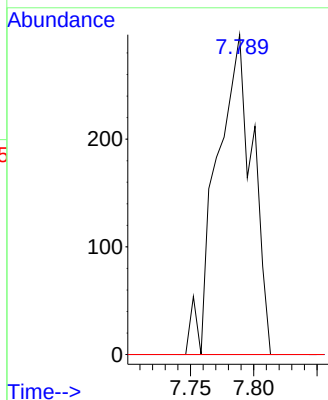
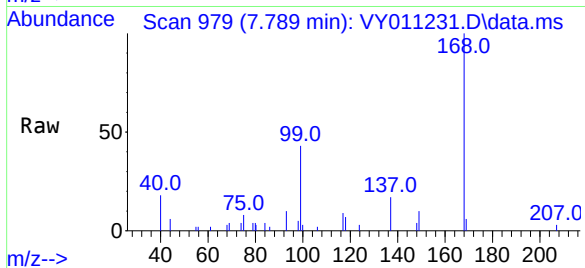
Tgt Ion: 75 Resp: 584

Ion Ratio Lower Upper

75 100

110 0.0 17.1 51.2#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 1.969 ug/l

RT: 6.984 min Scan# 847

Delta R.T. -0.086 min

Lab File: VY011231.D

Acq: 01 Nov 2022 18:43

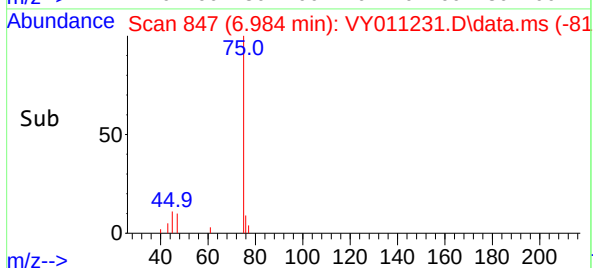
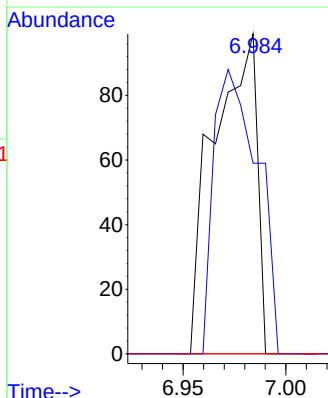
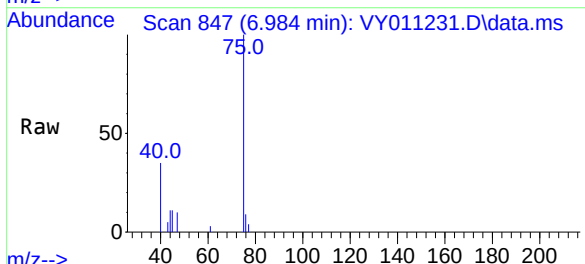
Tgt Ion: 43 Resp: 145

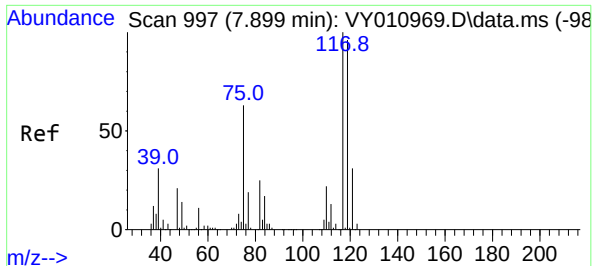
Ion Ratio Lower Upper

43 100

61 90.3 9.7 14.5#

70 0.0 7.1 10.7#

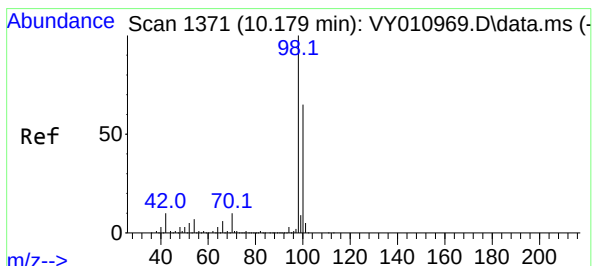
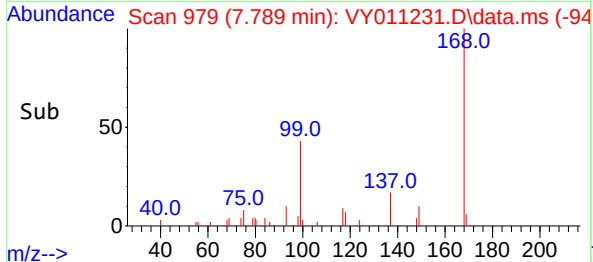
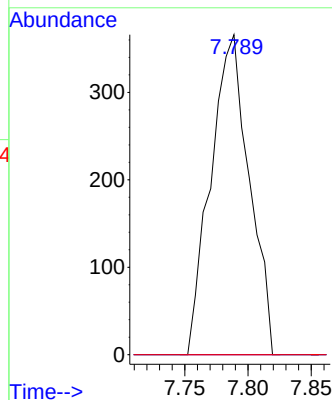
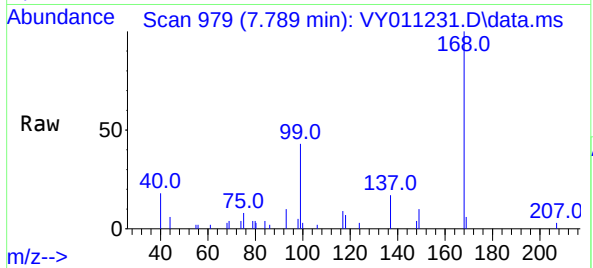




#38
Carbon Tetrachloride
Concen: 5.483 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY011231.D
Acq: 01 Nov 2022 18:43

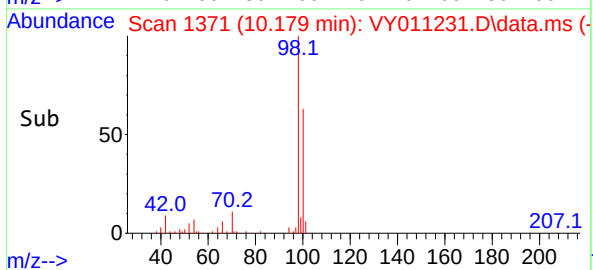
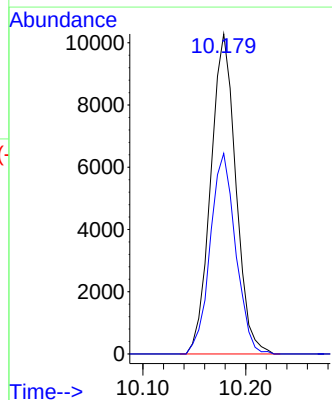
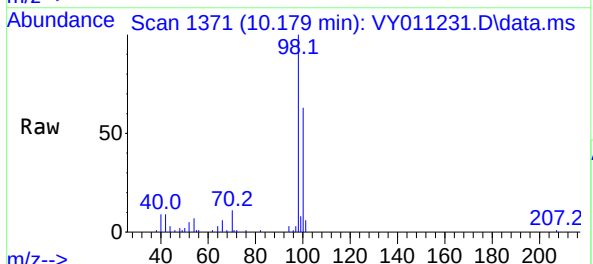
Instrument :
MSVOA_Y
ClientSampleId :
SU-4-103122

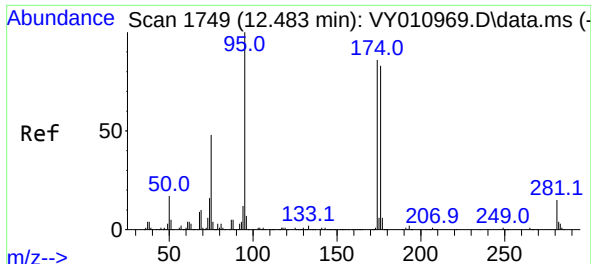
Tgt Ion:117 Resp: 777
Ion Ratio Lower Upper
117 100
119 0.0 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 53.683 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011231.D
Acq: 01 Nov 2022 18:43

Tgt Ion: 98 Resp: 17433
Ion Ratio Lower Upper
98 100
100 63.4 50.2 75.2

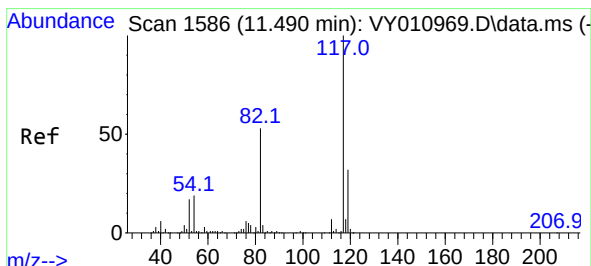
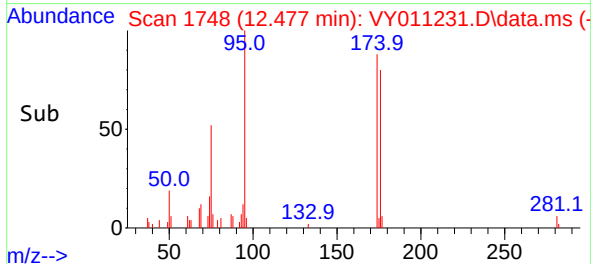
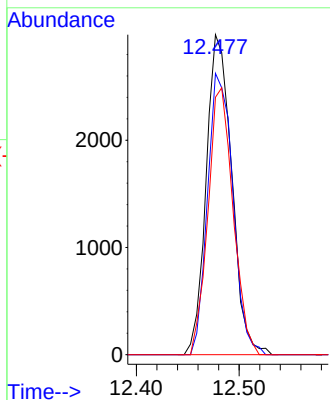
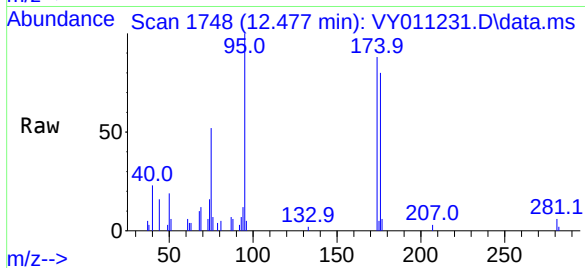




#62
4-Bromofluorobenzene
Concen: 45.593 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY011231.D
Acq: 01 Nov 2022 18:43

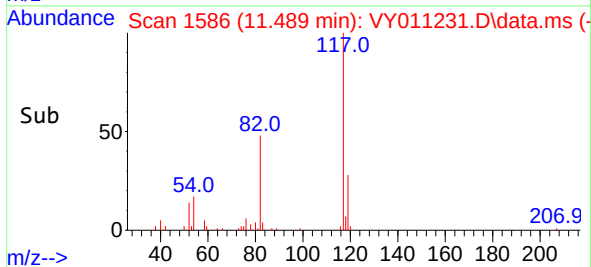
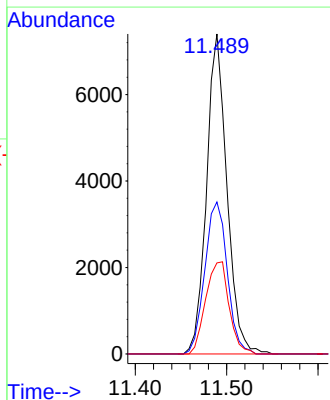
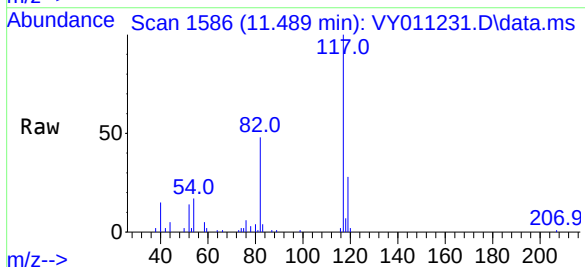
Instrument :
MSVOA_Y
ClientSampleId :
SU-4-103122

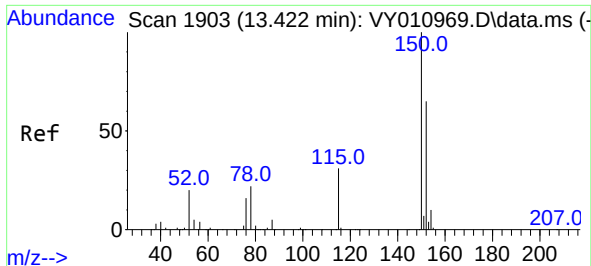
Tgt Ion: 95 Resp: 5140
Ion Ratio Lower Upper
95 100
174 87.4 0.0 177.0
176 82.0 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY011231.D
Acq: 01 Nov 2022 18:43

Tgt Ion: 117 Resp: 11440
Ion Ratio Lower Upper
117 100
82 47.5 43.0 64.4
119 28.5 25.4 38.0

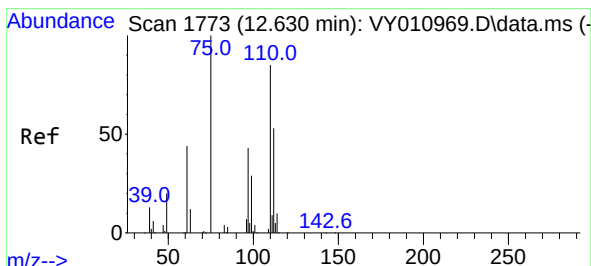
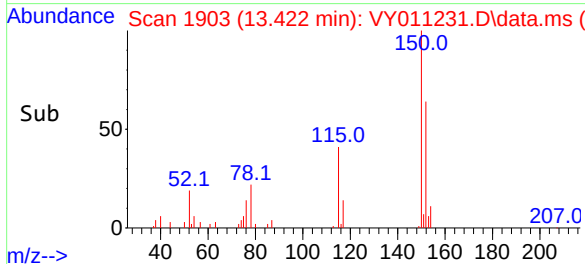
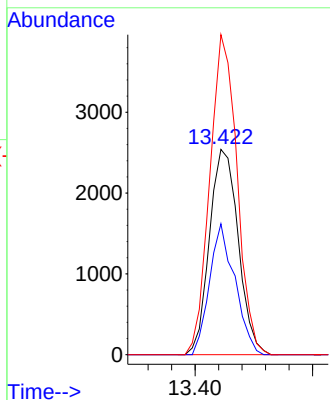
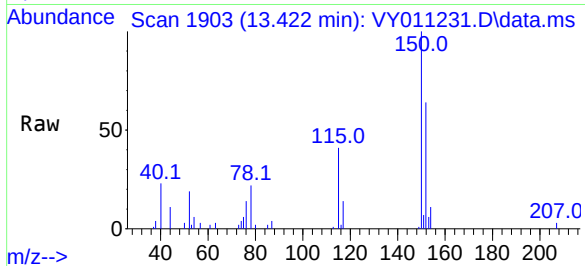




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY011231.D
Acq: 01 Nov 2022 18:43

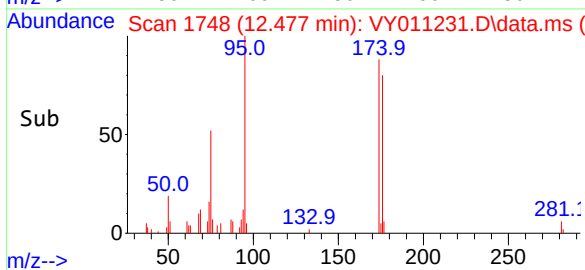
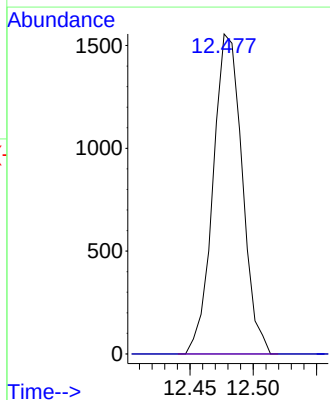
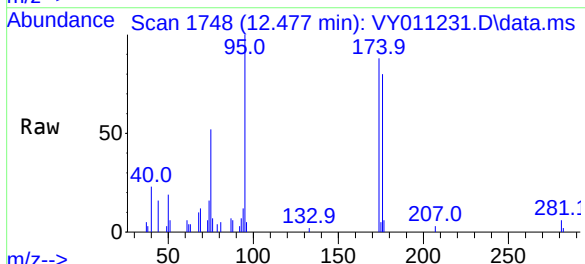
Instrument :
MSVOA_Y
ClientSampleId :
SU-4-103122

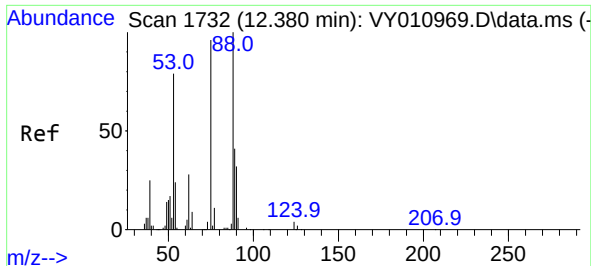
Tgt Ion:	152	Resp:	4328
Ion	Ratio	Lower	Upper
152	100		
115	56.1	28.2	84.7
150	147.3	0.0	347.6



#76
1,2,3-Trichloropropane
Concen: 47.258 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY011231.D
Acq: 01 Nov 2022 18:43

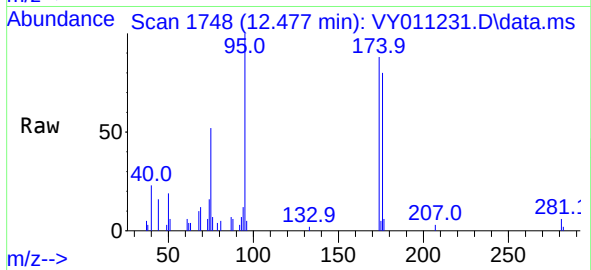
Tgt Ion:	75	Resp:	2490
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 101.138 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.097 min
 Lab File: VY011231.D
 Acq: 01 Nov 2022 18:43

Instrument :
 MSVOA_Y
 ClientSampleId :
 SU-4-103122



Tgt Ion: 75 Resp: 2490

Ion	Ratio	Lower	Upper
75	100		
53	0.0	85.3	127.9#
89	0.0	37.0	55.4#

