

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110122\
 Data File : VY011228.D
 Acq On : 01 Nov 2022 17:35
 Operator : KP/MD
 Sample : N5380-04
 Misc : 5.32g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-D

Quant Time: Nov 02 01:43:21 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)

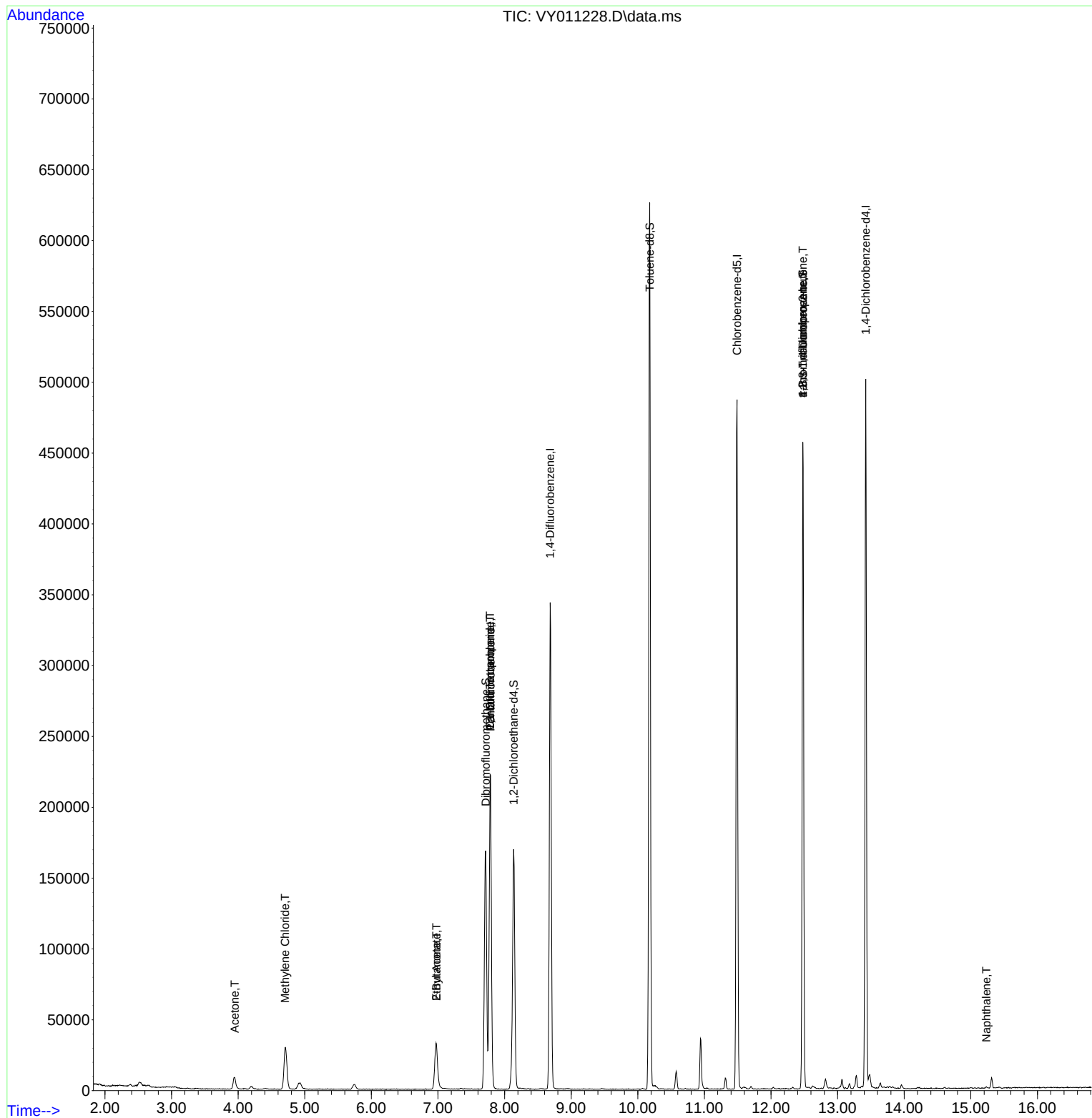
Internal Standards						
1) Pentafluorobenzene	7.789	168	174214	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	302307	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	275572	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	128649	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	124644	66.897	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 133.800%	
35) Dibromofluoromethane	7.716	113	125205	64.462	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 128.920%	
50) Toluene-d8	10.179	98	425655	56.444	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 112.880%	
62) 4-Bromofluorobenzene	12.477	95	144528	55.205	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 110.420%	
Target Compounds						
2) Dichlorodifluoromethane	1.900	85	149	Below Cal	#	43
11) Tert butyl alcohol	4.918	59	5142	Below Cal	#	77
13) Acrolein	3.717	56	62	Below Cal		87
16) Acetone	3.948	43	14912	26.513	ug/l #	86
20) Methylene Chloride	4.704	84	23607	5.820	ug/l #	84
25) 2-Butanone	6.978	43	5366	6.781	ug/l	93
36) 1,1-Dichloropropene	7.783	75	13664	4.308	ug/l #	50
37) Ethyl Acetate	6.978	43	5366	3.138	ug/l #	64
38) Carbon Tetrachloride	7.783	117	16990	5.163	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	70973	45.316	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	70973	96.981	ug/l #	7
95) Naphthalene	15.233	128	983	4.127	ug/l #	81

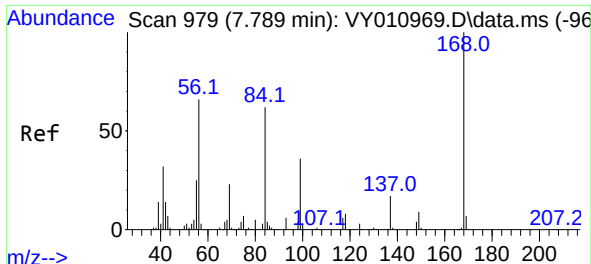
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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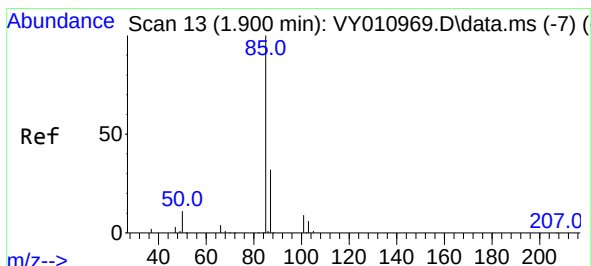
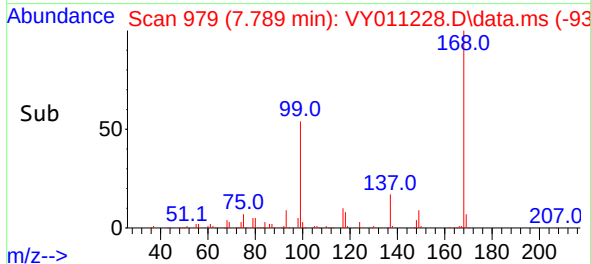
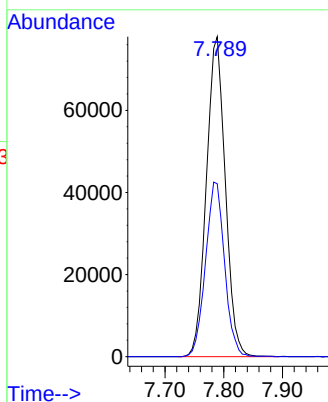
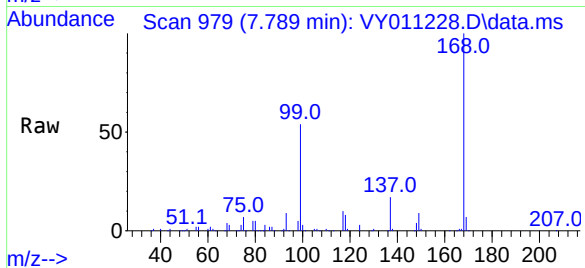




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY011228.D
Acq: 01 Nov 2022 17:35

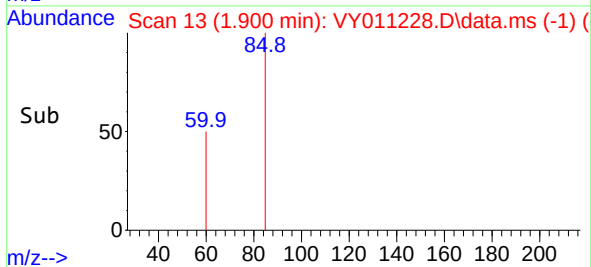
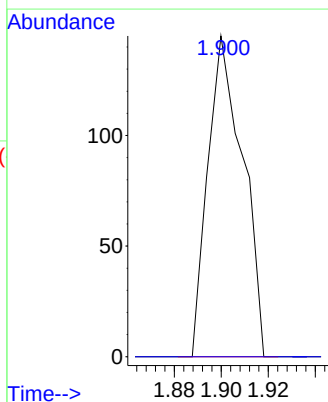
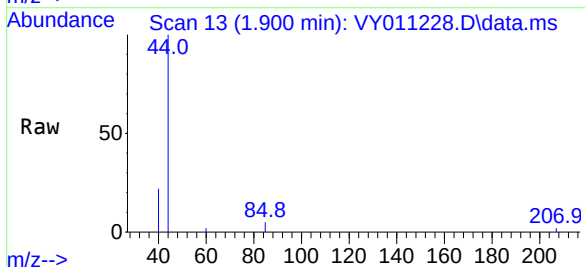
Instrument :
MSVOA_Y
ClientSampleId :
TP-D

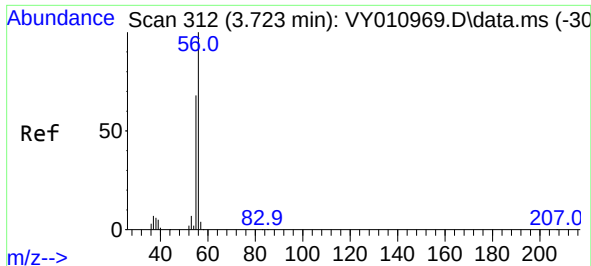
Tgt Ion:168 Resp: 174214
Ion Ratio Lower Upper
168 100
99 54.1 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY011228.D
Acq: 01 Nov 2022 17:35

Tgt Ion: 85 Resp: 149
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

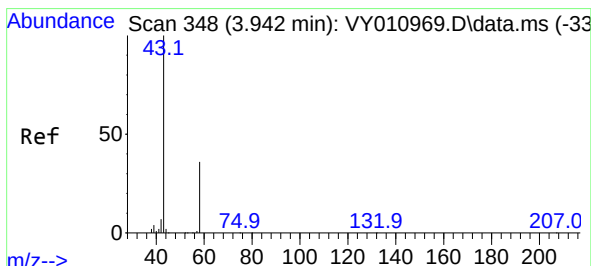
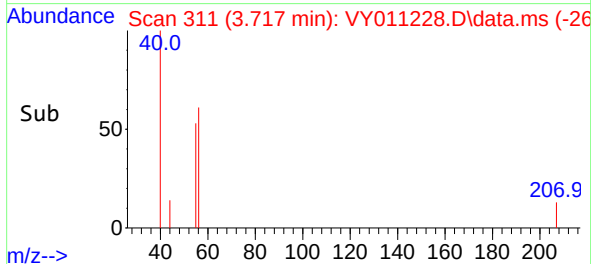
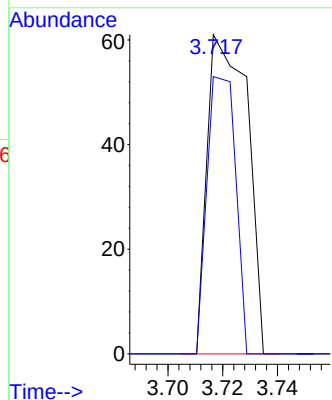
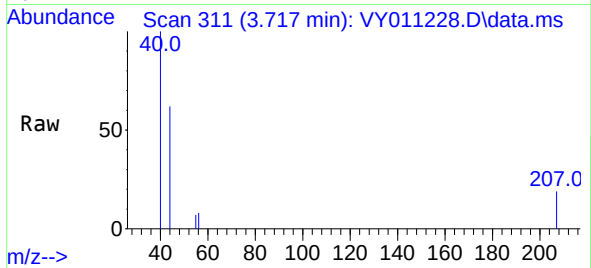




#13
Acrolein
Concen: Below Cal
RT: 3.717 min Scan# 311
Delta R.T. -0.006 min
Lab File: VY011228.D
Acq: 01 Nov 2022 17:35

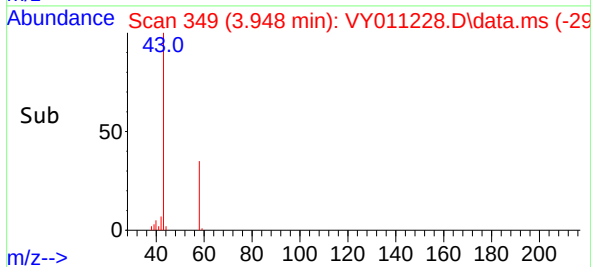
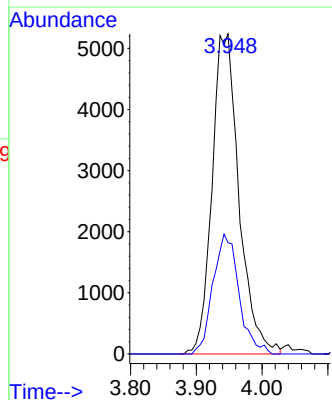
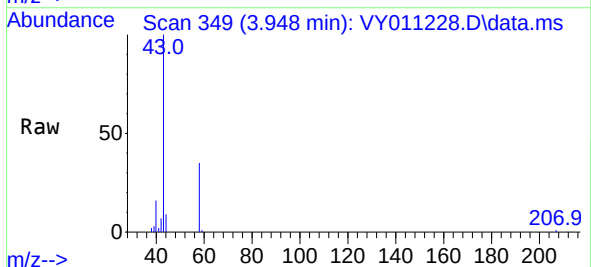
Instrument :
MSVOA_Y
ClientSampleId :
TP-D

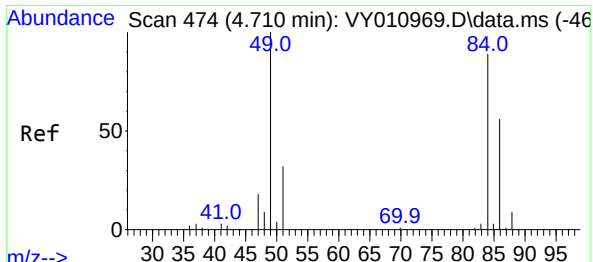
Tgt Ion: 56 Resp: 62
Ion Ratio Lower Upper
56 100
55 61.3 57.6 86.4



#16
Acetone
Concen: 26.513 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY011228.D
Acq: 01 Nov 2022 17:35

Tgt Ion: 43 Resp: 14912
Ion Ratio Lower Upper
43 100
58 34.7 22.0 33.0#



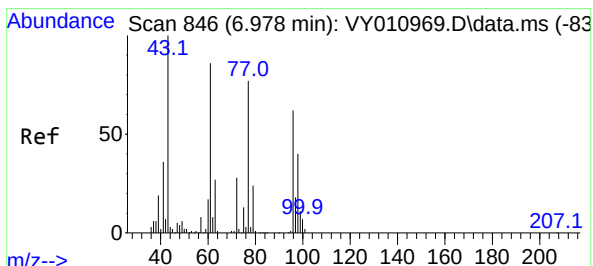
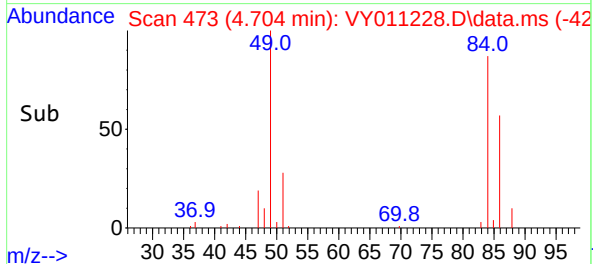
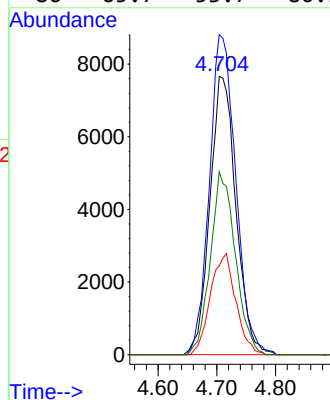
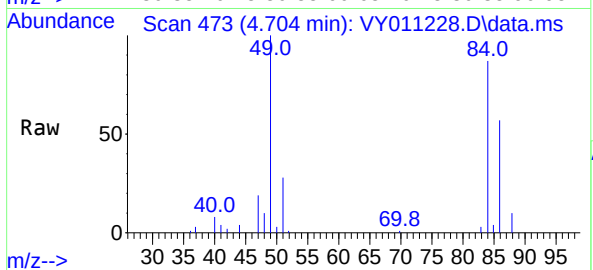


#20
Methylene Chloride
Concen: 5.820 ug/l
RT: 4.704 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY011228.D
Acq: 01 Nov 2022 17:35

Instrument :
MSVOA_Y
ClientSampleId :
TP-D

Tgt Ion: 84 Resp: 23607

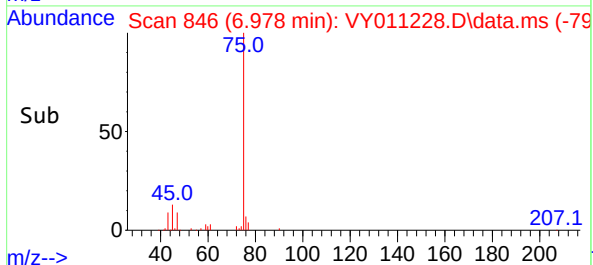
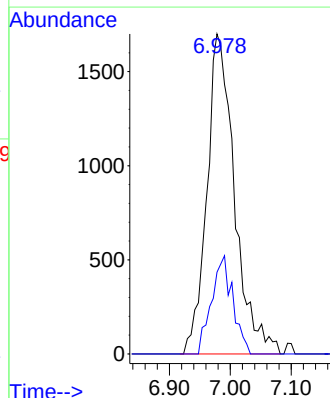
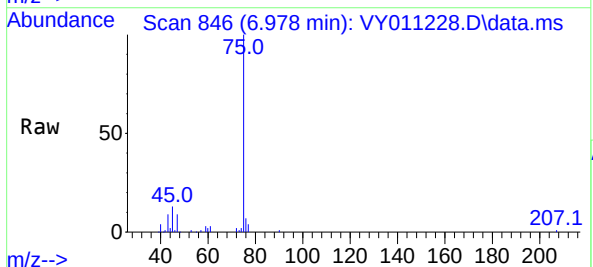
Ion	Ratio	Lower	Upper
84	100		
49	115.0	114.4	171.6
51	32.0	35.3	52.9#
86	65.7	53.7	80.5

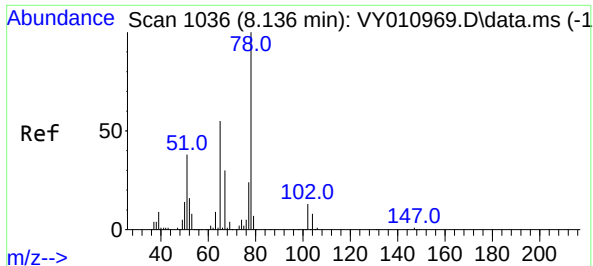


#25
2-Butanone
Concen: 6.781 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY011228.D
Acq: 01 Nov 2022 17:35

Tgt Ion: 43 Resp: 5366

Ion	Ratio	Lower	Upper
43	100		
72	25.5	17.7	26.5





#33

1,2-Dichloroethane-d4

Concen: 66.897 ug/l

RT: 8.136 min Scan# 1

Delta R.T. 0.001 min

Lab File: VY011228.D

Acq: 01 Nov 2022 17:35

Instrument :

MSVOA_Y

ClientSampleId :

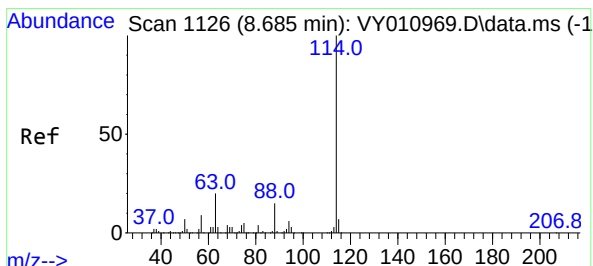
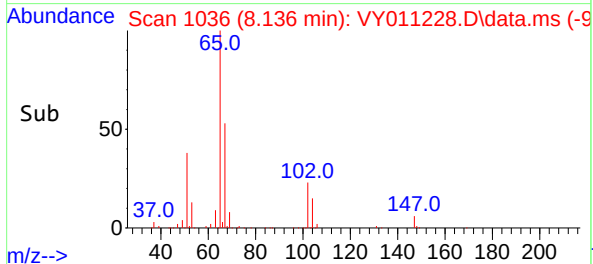
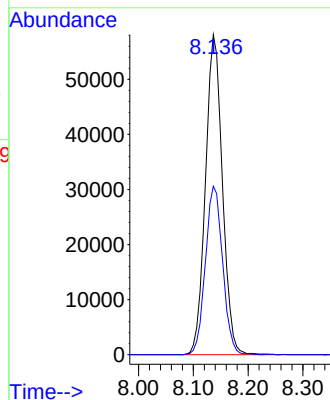
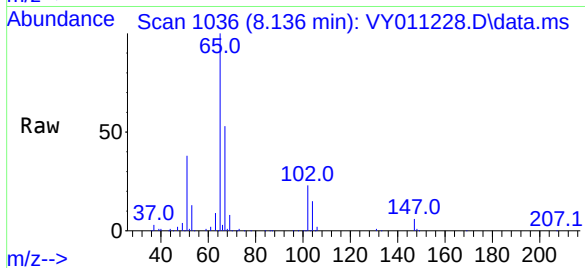
TP-D

Tgt Ion: 65 Resp: 124644

Ion Ratio Lower Upper

65 100

67 53.5 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY011228.D

Acq: 01 Nov 2022 17:35

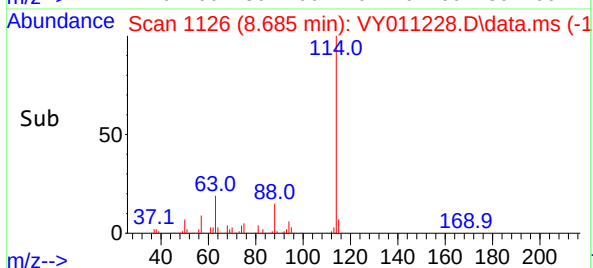
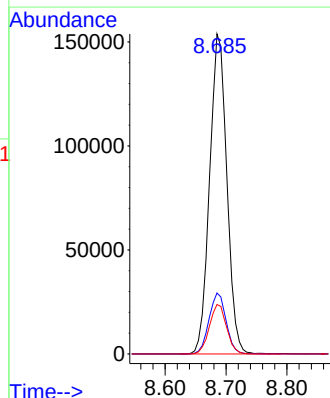
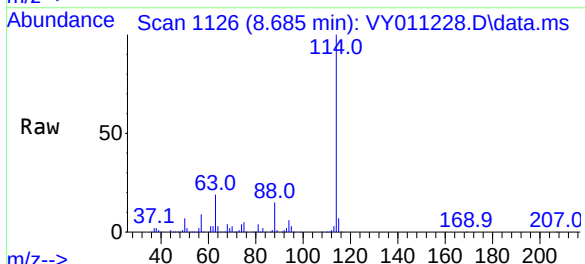
Tgt Ion: 114 Resp: 302307

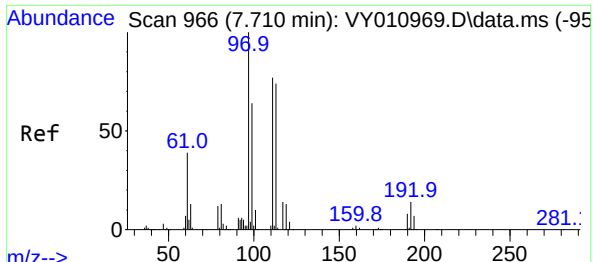
Ion Ratio Lower Upper

114 100

63 19.0 0.0 43.2

88 15.4 0.0 31.8





#35

Dibromofluoromethane

Concen: 64.462 ug/l

RT: 7.716 min Scan# 90

Delta R.T. 0.006 min

Lab File: VY011228.D

Acq: 01 Nov 2022 17:35

Instrument :

MSVOA_Y

ClientSampleId :

TP-D

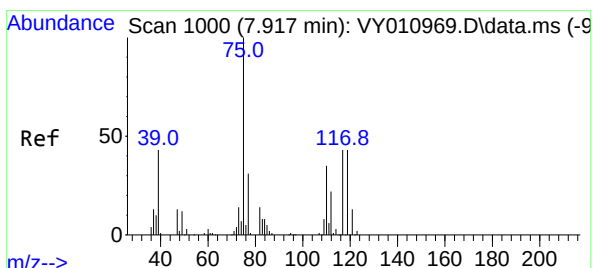
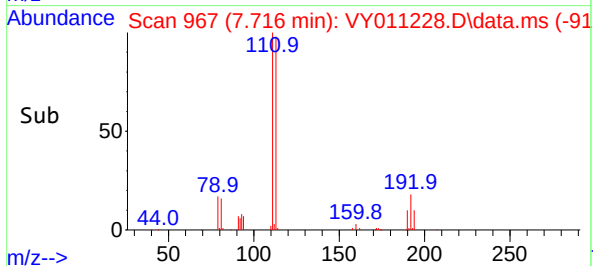
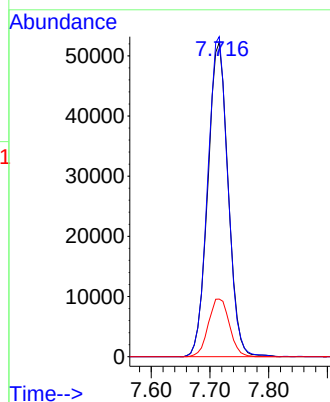
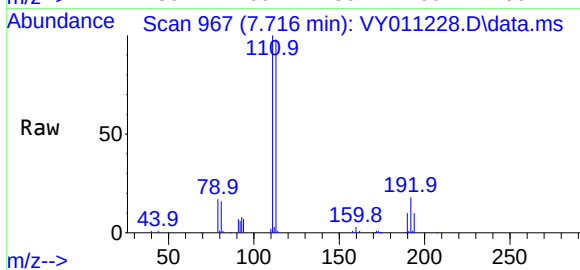
Tgt Ion:113 Resp: 125205

Ion Ratio Lower Upper

113 100

111 101.2 82.6 124.0

192 19.1 17.6 26.4



#36

1,1-Dichloropropene

Concen: 4.308 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.134 min

Lab File: VY011228.D

Acq: 01 Nov 2022 17:35

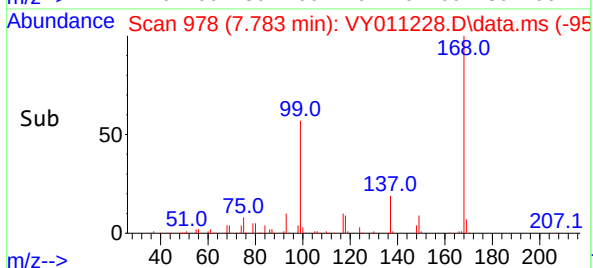
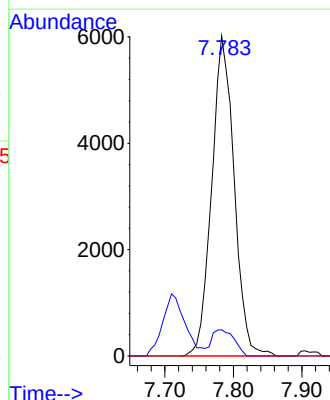
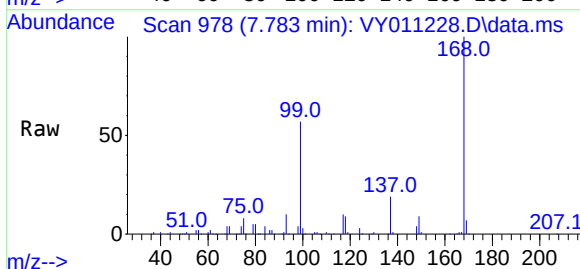
Tgt Ion: 75 Resp: 13664

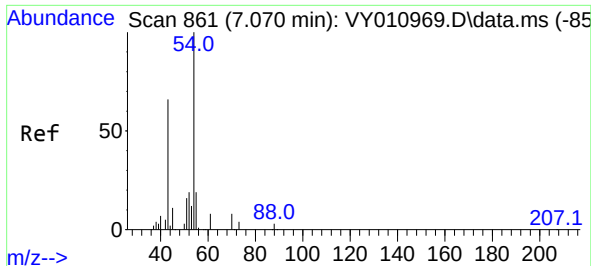
Ion Ratio Lower Upper

75 100

110 8.2 17.1 51.2#

77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 3.138 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.092 min

Lab File: VY011228.D

Acq: 01 Nov 2022 17:35

Instrument :

MSVOA_Y

ClientSampleId :

TP-D

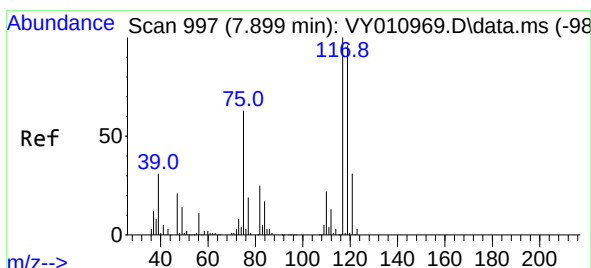
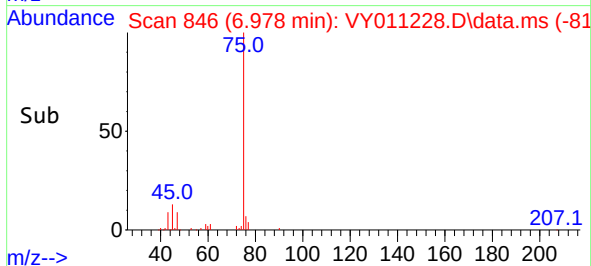
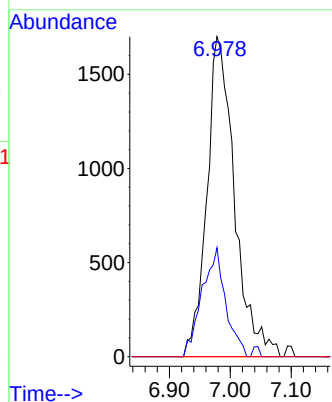
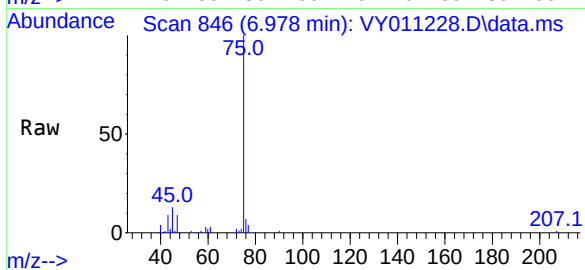
Tgt Ion: 43 Resp: 5366

Ion Ratio Lower Upper

43 100

61 29.1 9.7 14.5#

70 0.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 5.163 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.116 min

Lab File: VY011228.D

Acq: 01 Nov 2022 17:35

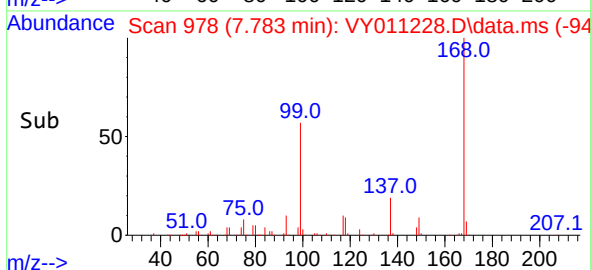
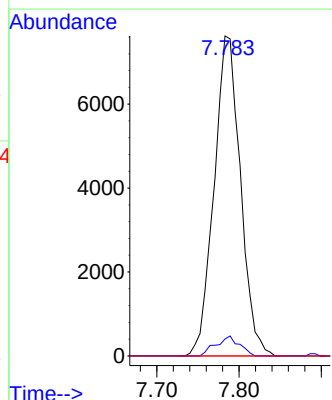
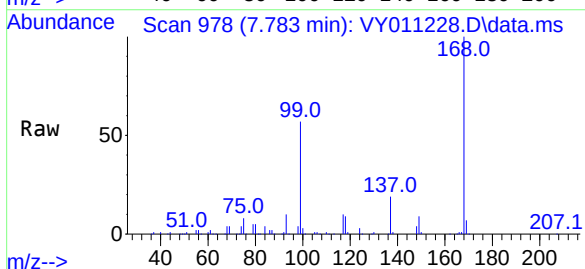
Tgt Ion: 117 Resp: 16990

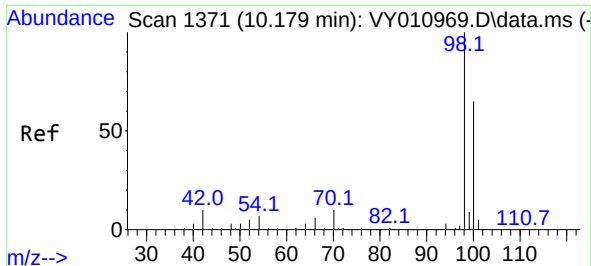
Ion Ratio Lower Upper

117 100

119 5.3 77.9 116.9#

121 0.0 24.8 37.2#

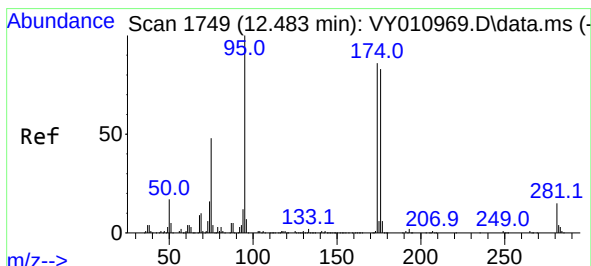
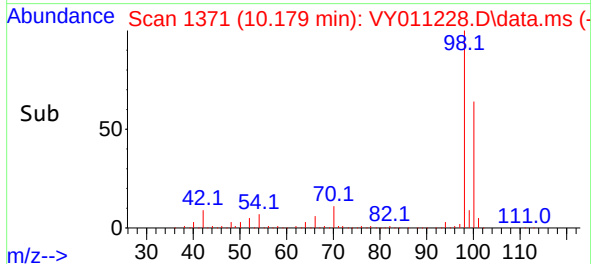
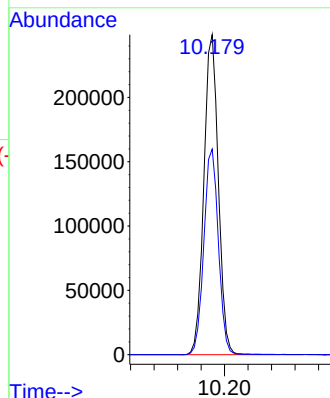
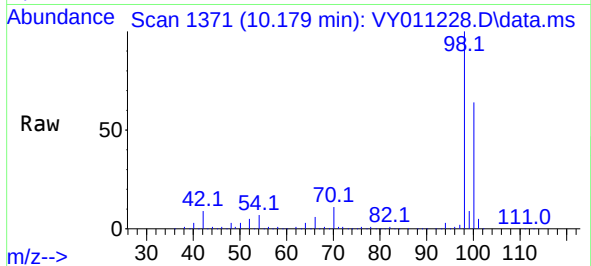




#50
Toluene-d8
Concen: 56.444 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011228.D
Acq: 01 Nov 2022 17:35

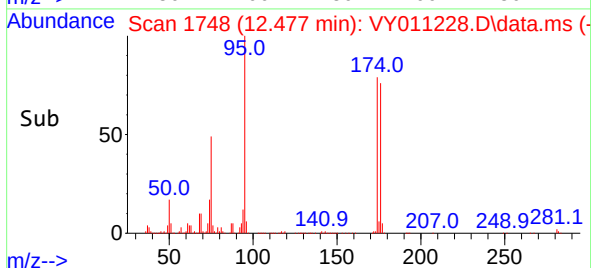
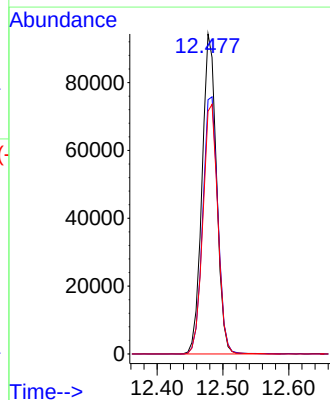
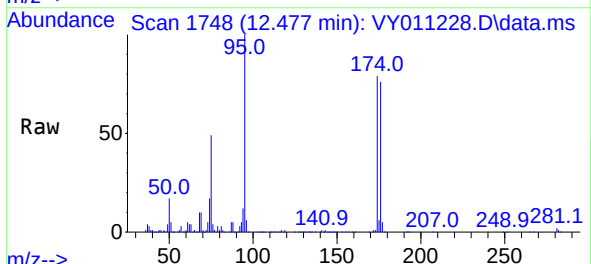
Instrument :
MSVOA_Y
ClientSampleId :
TP-D

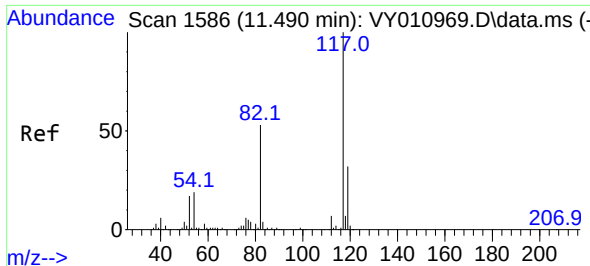
Tgt Ion: 98 Resp: 425655
Ion Ratio Lower Upper
98 100
100 64.5 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 55.205 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY011228.D
Acq: 01 Nov 2022 17:35

Tgt Ion: 95 Resp: 144528
Ion Ratio Lower Upper
95 100
174 83.4 0.0 177.0
176 80.2 0.0 175.8

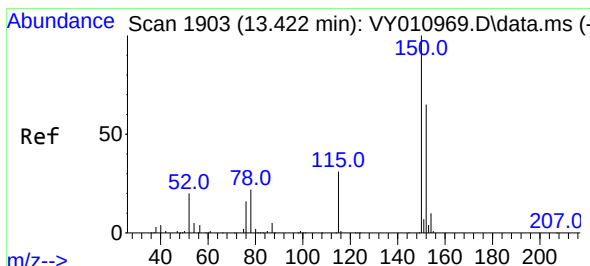
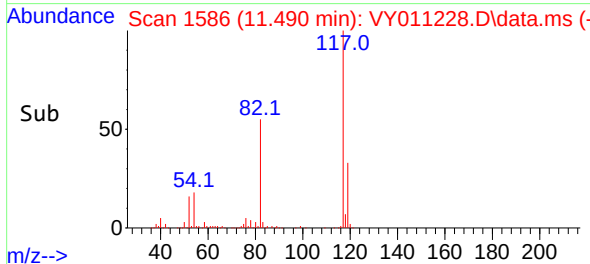
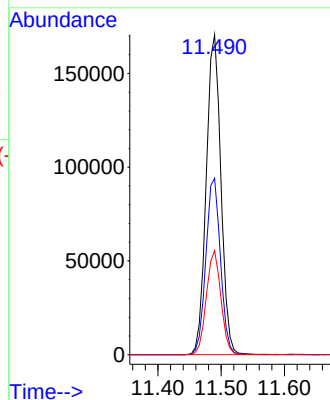
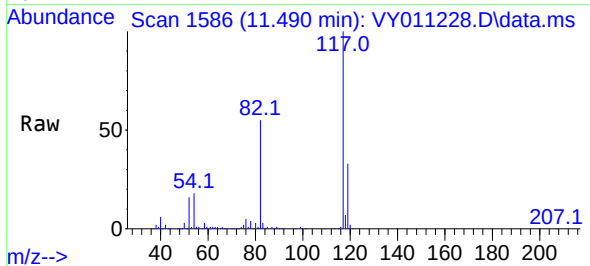




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY011228.D
Acq: 01 Nov 2022 17:35

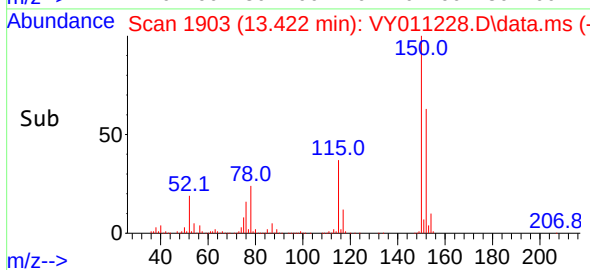
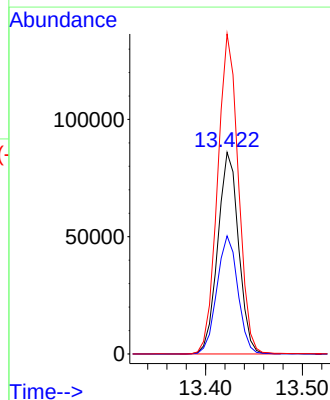
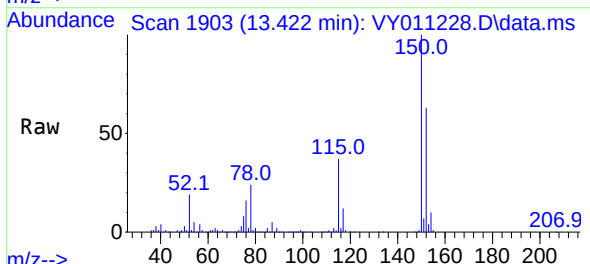
Instrument :
MSVOA_Y
ClientSampleId :
TP-D

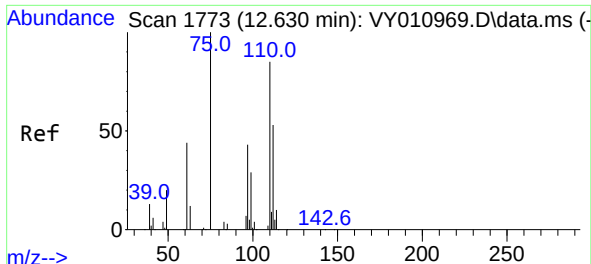
Tgt Ion:117 Resp: 275572
Ion Ratio Lower Upper
117 100
82 55.2 43.0 64.4
119 32.5 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY011228.D
Acq: 01 Nov 2022 17:35

Tgt Ion:152 Resp: 128649
Ion Ratio Lower Upper
152 100
115 58.9 28.2 84.7
150 158.2 0.0 347.6

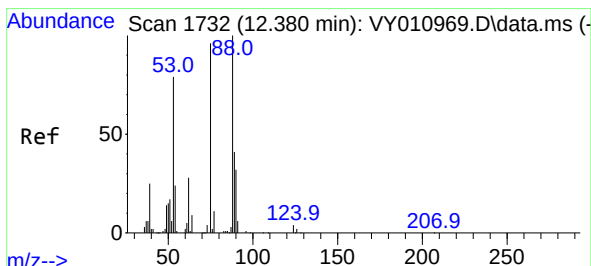
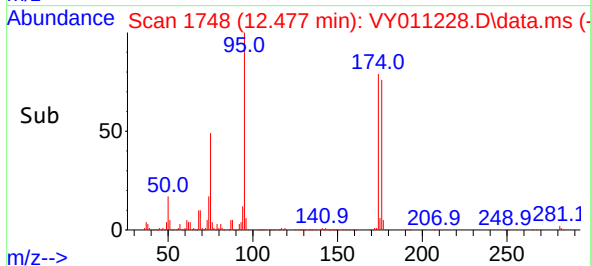
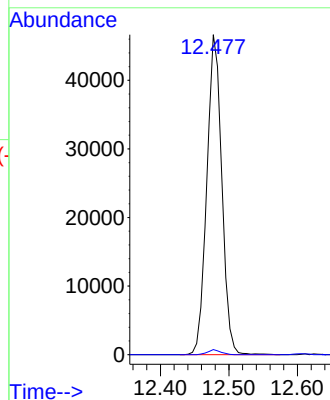
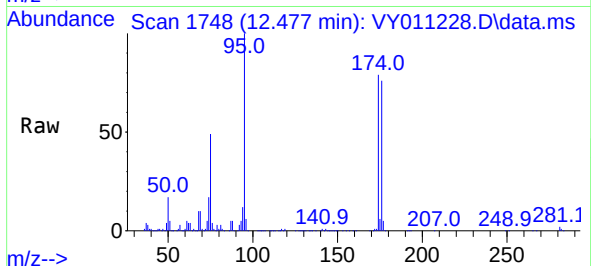




#76
1,2,3-Trichloropropane
Concen: 45.316 ug/l
RT: 12.477 min Scan# 1773
Delta R.T. -0.153 min
Lab File: VY011228.D
Acq: 01 Nov 2022 17:35

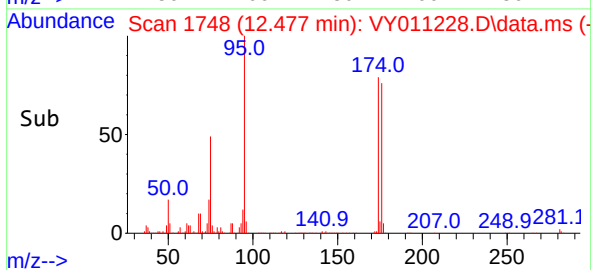
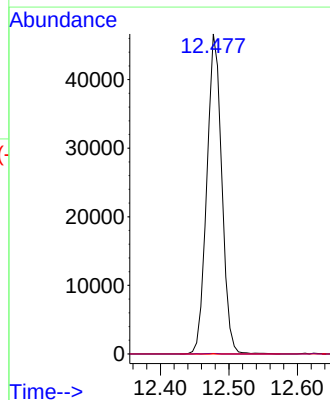
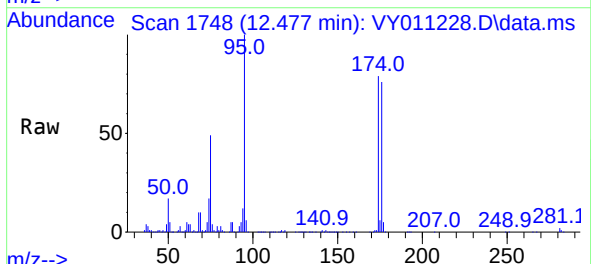
Instrument :
MSVOA_Y
ClientSampleId :
TP-D

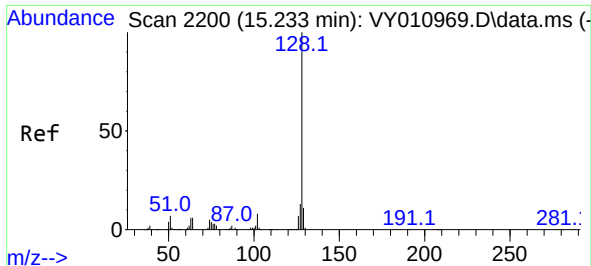
Tgt Ion: 75 Resp: 70973
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 96.981 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.097 min
Lab File: VY011228.D
Acq: 01 Nov 2022 17:35

Tgt Ion: 75 Resp: 70973
Ion Ratio Lower Upper
75 100
53 0.2 85.3 127.9#
89 0.0 37.0 55.4#





#95
Naphthalene
Concen: 4.127 ug/l
RT: 15.233 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY011228.D
Acq: 01 Nov 2022 17:35

Instrument :
MSVOA_Y
ClientSampleId :
TP-D

Tgt Ion:	128	Resp:	983
Ion	Ratio	Lower	Upper
128	100		
127	8.5	11.0	16.4#
129	0.0	8.4	12.6#

