

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040522\
 Data File : VY008207.D
 Acq On : 05 Apr 2022 14:16
 Operator : SY/MD
 Sample : N2237-02RE
 Misc : 5.59g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 A13015RE

Quant Time: Apr 06 03:57:04 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032522S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 26 03:24:51 2022
 Response via : Initial Calibration

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

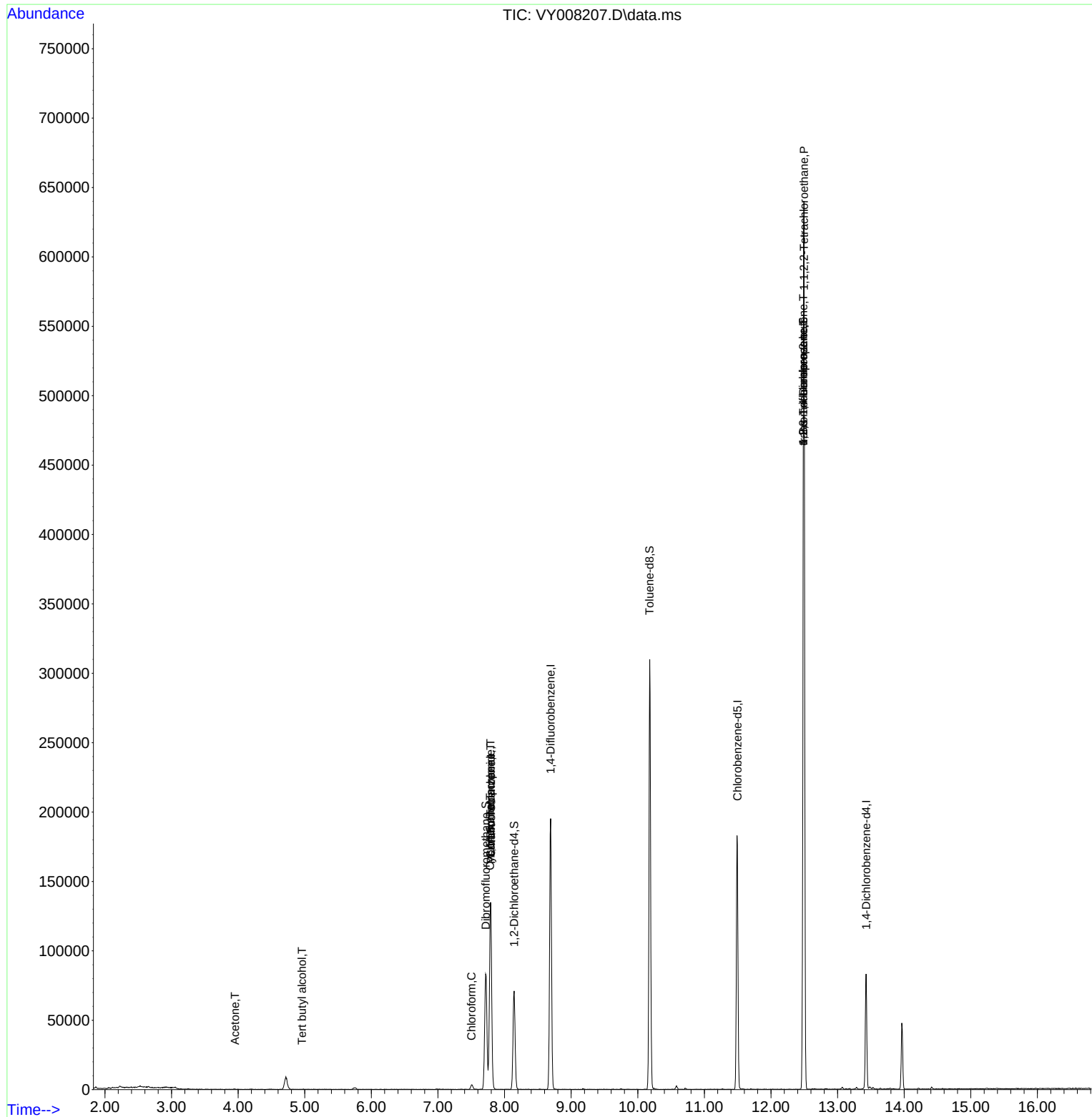
Internal Standards						
1) Pentafluorobenzene	7.795	168	107922	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	175224	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	103611	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	21226	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	54035	49.904	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.800%
35) Dibromofluoromethane	7.716	113	60350	54.933	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	109.860%
50) Toluene-d8	10.179	98	206053	49.783	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	99.560%
62) 4-Bromofluorobenzene	12.483	95	29836	20.432	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	40.860%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.960	59	137	1.219	ug/l #	77
16) Acetone	3.954	43	432	1.746	ug/l	98
18) Methyl Acetate	4.491	43	292	Below Cal	#	56
28) Bromochloromethane	7.515	49	133	Below Cal	#	16
30) Chloroform	7.503	83	3359	1.446	ug/l	96
31) Cyclohexane	7.783	56	2305	1.139	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	8275	4.795	ug/l #	50
38) Carbon Tetrachloride	7.789	117	10942	5.818	ug/l #	14
75) 1,1,2,2-Tetrachloroethane	12.496	83	481	1.412	ug/l #	1
76) 1,2,3-Trichloropropane	12.483	75	20254	78.277	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	20254	174.650	ug/l #	11

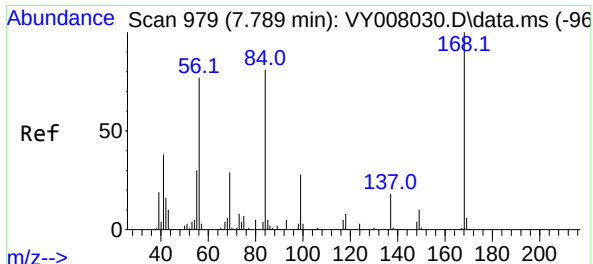
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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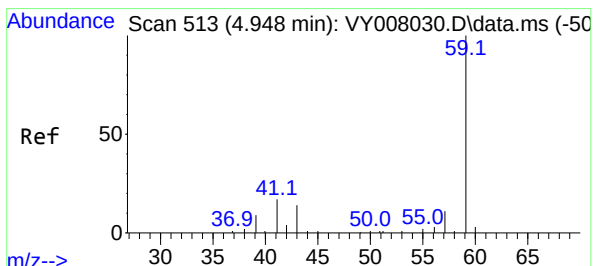
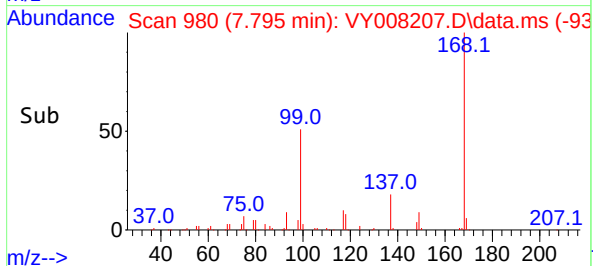
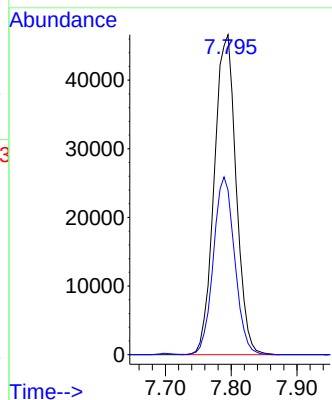
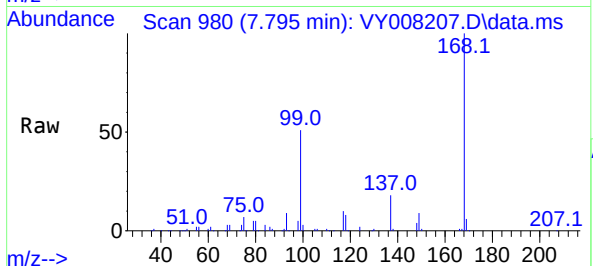




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY008207.D
Acq: 05 Apr 2022 14:16

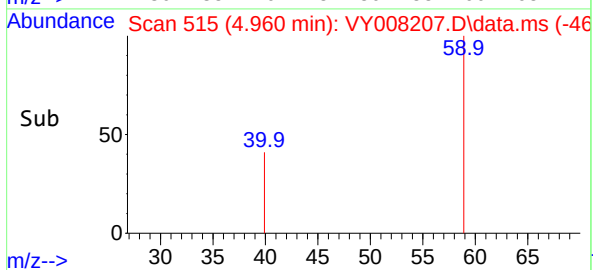
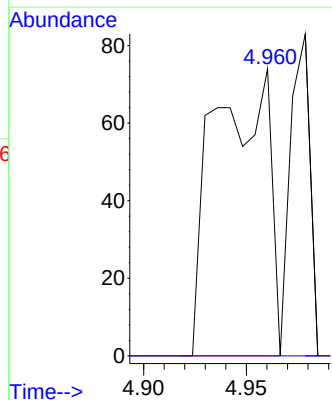
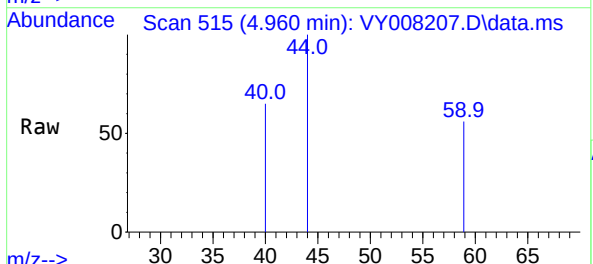
Instrument :
MSVOA_Y
ClientSampleId :
A13015RE

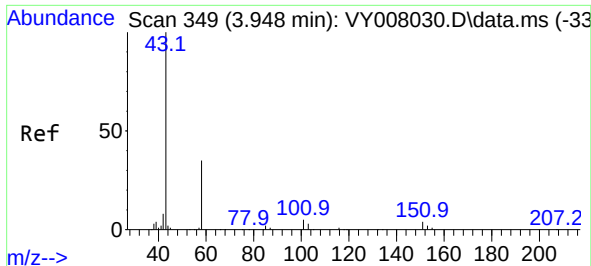
Tgt Ion:168 Resp: 107922
Ion Ratio Lower Upper
168 100
99 51.4 46.9 70.3



#11
Tert butyl alcohol
Concen: 1.219 ug/l
RT: 4.960 min Scan# 515
Delta R.T. 0.012 min
Lab File: VY008207.D
Acq: 05 Apr 2022 14:16

Tgt Ion: 59 Resp: 137
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

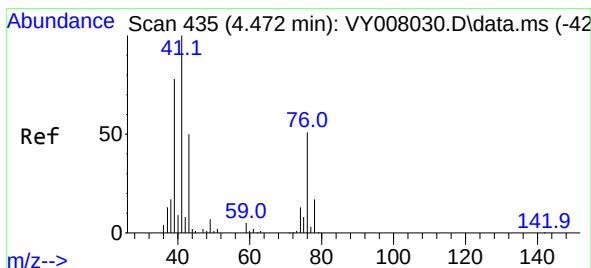
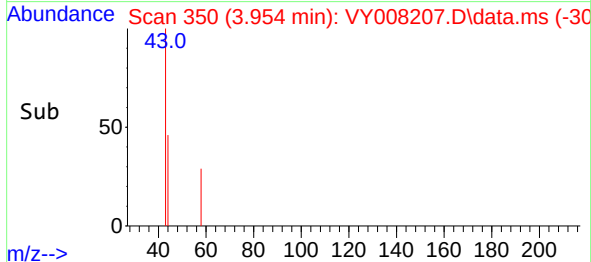
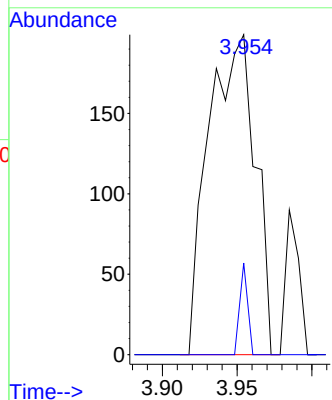
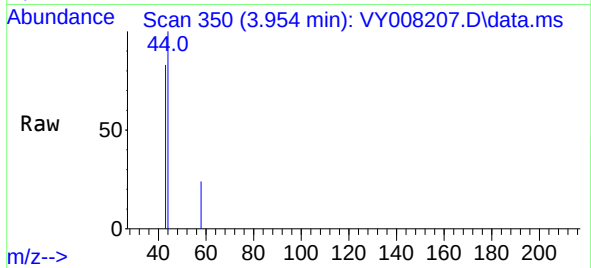




#16
Acetone
Concen: 1.746 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY008207.D
Acq: 05 Apr 2022 14:16

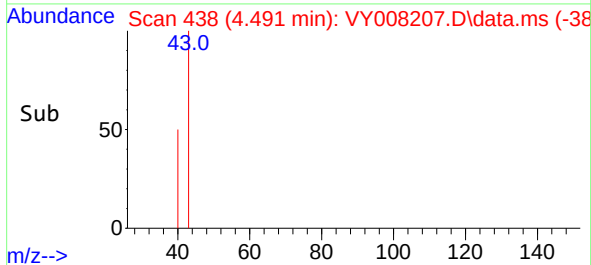
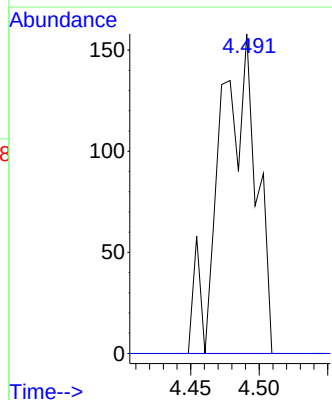
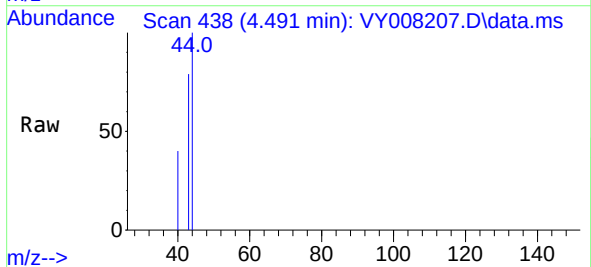
Instrument :
MSVOA_Y
ClientSampleId :
A13015RE

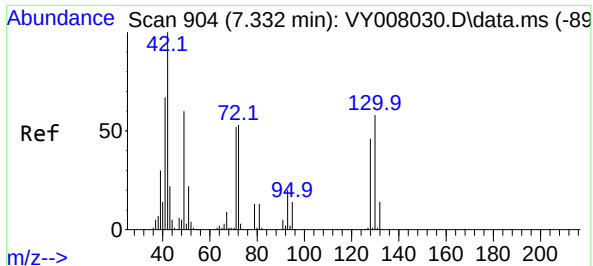
Tgt Ion: 43 Resp: 432
Ion Ratio Lower Upper
43 100
58 28.6 22.0 33.0



#18
Methyl Acetate
Concen: Below Cal
RT: 4.491 min Scan# 438
Delta R.T. 0.019 min
Lab File: VY008207.D
Acq: 05 Apr 2022 14:16

Tgt Ion: 43 Resp: 292
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#

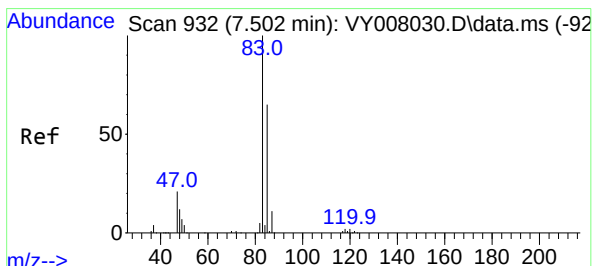
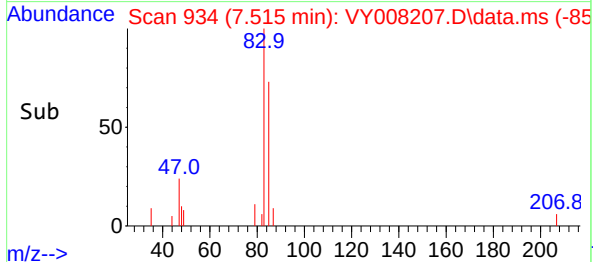
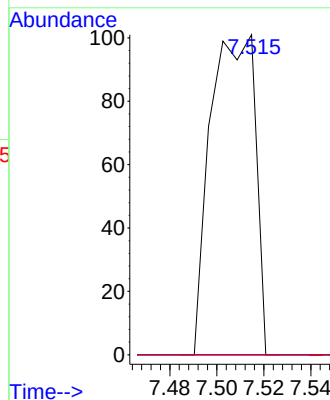
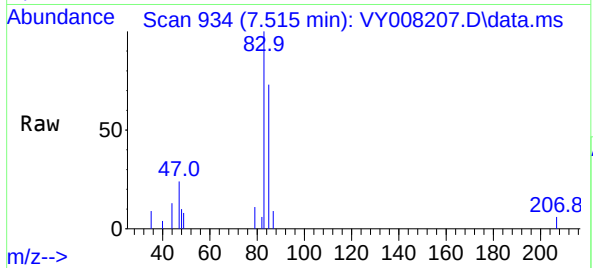




#28
Bromochloromethane
Concen: Below Cal
RT: 7.515 min Scan# 913
Delta R.T. 0.183 min
Lab File: VY008207.D
Acq: 05 Apr 2022 14:16

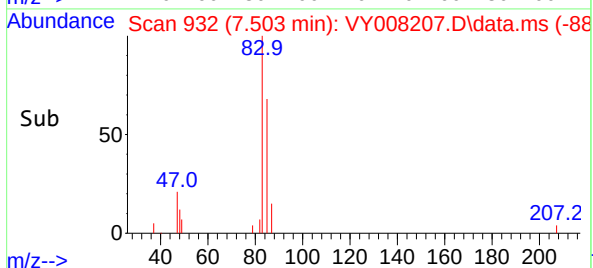
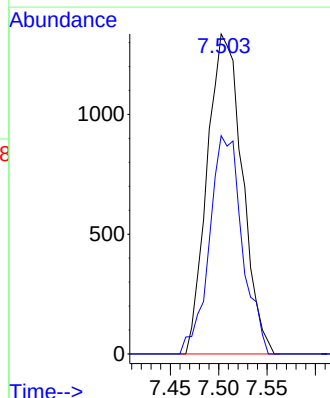
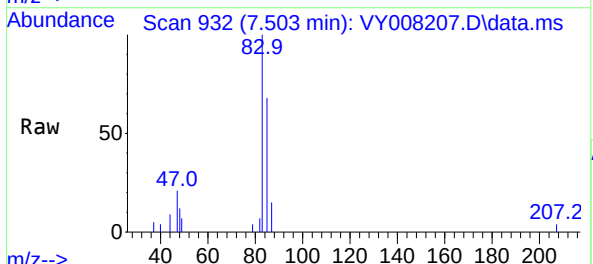
Instrument :
MSVOA_Y
ClientSampleId :
A13015RE

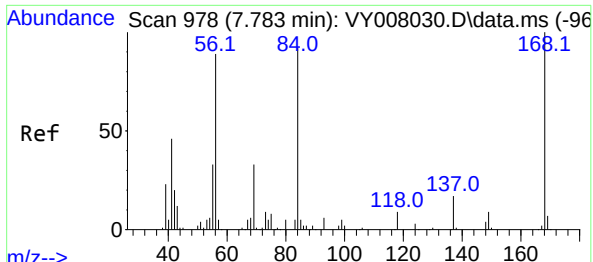
Tgt Ion: 49 Resp: 133
Ion Ratio Lower Upper
49 100
129 0.0 0.0 2.2
130 0.0 55.4 83.0#



#30
Chloroform
Concen: 1.446 ug/l
RT: 7.503 min Scan# 932
Delta R.T. 0.001 min
Lab File: VY008207.D
Acq: 05 Apr 2022 14:16

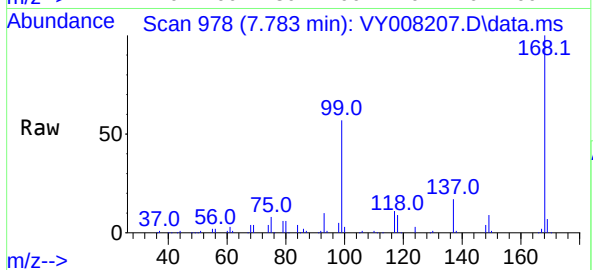
Tgt Ion: 83 Resp: 3359
Ion Ratio Lower Upper
83 100
85 68.2 51.8 77.6



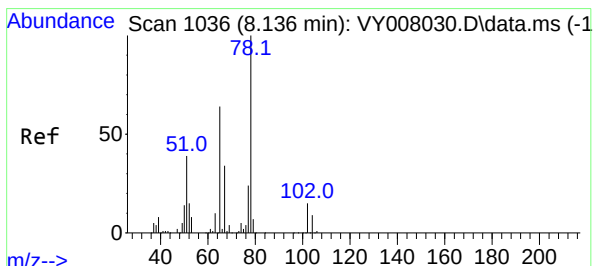
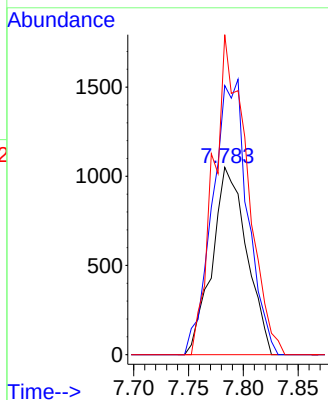
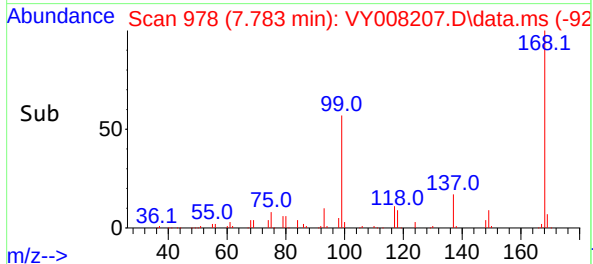


#31
Cyclohexane
Concen: 1.139 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008207.D
Acq: 05 Apr 2022 14:16

Instrument :
MSVOA_Y
ClientSampleId :
A13015RE

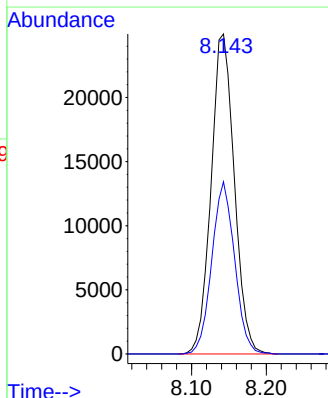
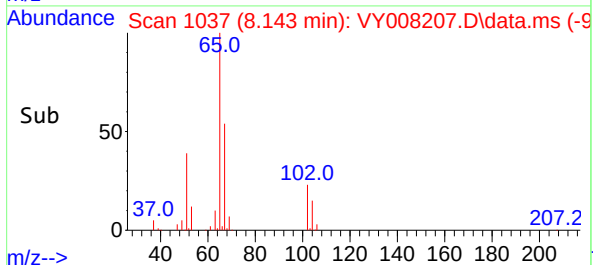
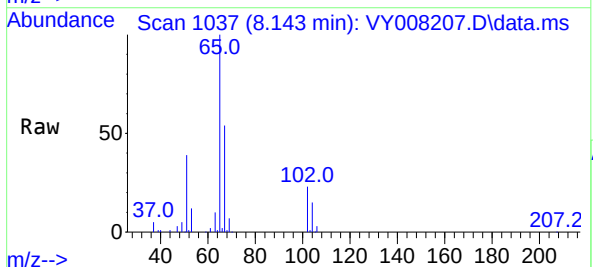


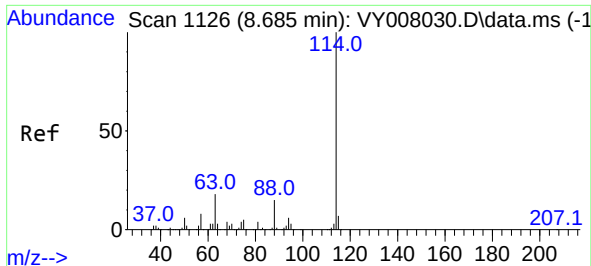
Tgt Ion: 56 Resp: 2305
Ion Ratio Lower Upper
56 100
69 143.7 26.7 40.1#
84 170.9 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 49.904 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.007 min
Lab File: VY008207.D
Acq: 05 Apr 2022 14:16

Tgt Ion: 65 Resp: 54035
Ion Ratio Lower Upper
65 100
67 52.7 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY008207.D

Acq: 05 Apr 2022 14:16

Instrument :

MSVOA_Y

ClientSampleId :

A13015RE

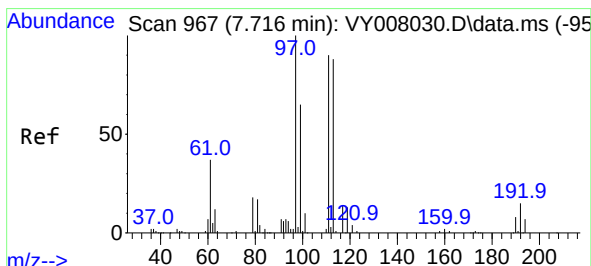
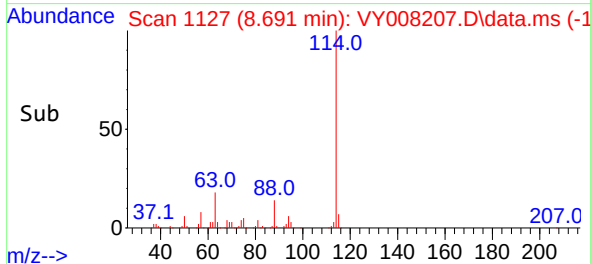
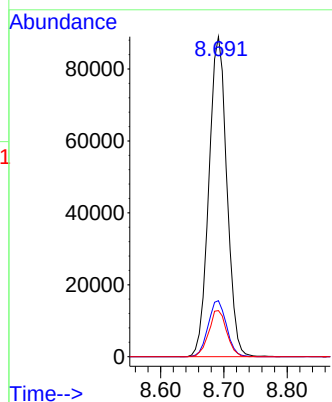
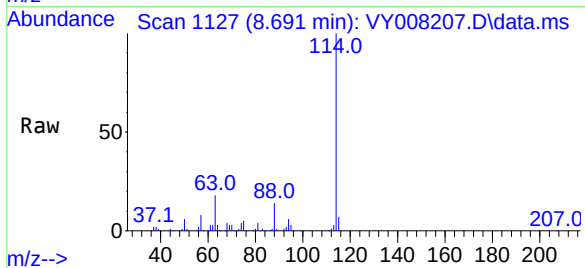
Tgt Ion:114 Resp: 175224

Ion Ratio Lower Upper

114 100

63 17.5 0.0 43.2

88 14.4 0.0 31.8



#35

Dibromofluoromethane

Concen: 54.933 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY008207.D

Acq: 05 Apr 2022 14:16

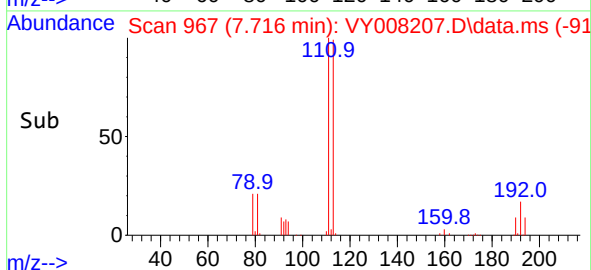
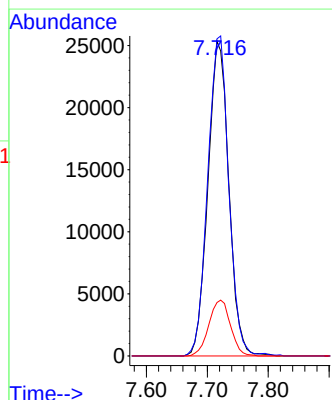
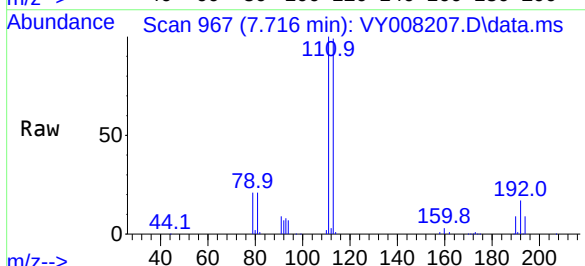
Tgt Ion:113 Resp: 60350

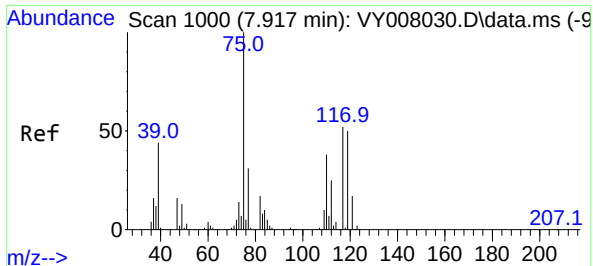
Ion Ratio Lower Upper

113 100

111 102.1 82.6 124.0

192 18.4 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.795 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY008207.D

Acq: 05 Apr 2022 14:16

Instrument :

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ClientSampleId :

A13015RE

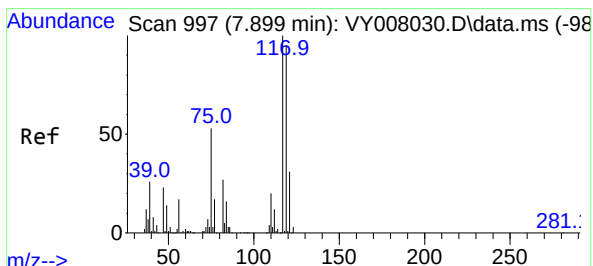
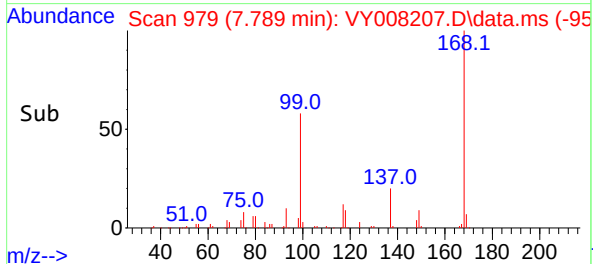
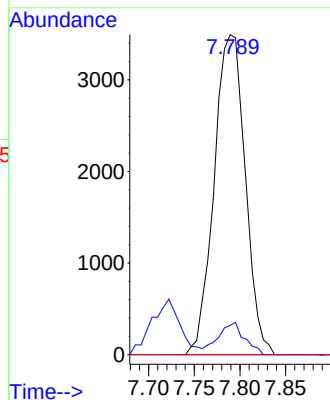
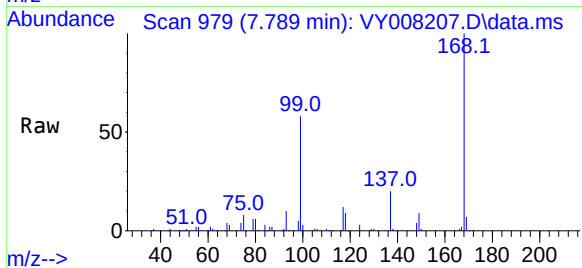
Tgt Ion: 75 Resp: 8275

Ion Ratio Lower Upper

75 100

110 8.5 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.818 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY008207.D

Acq: 05 Apr 2022 14:16

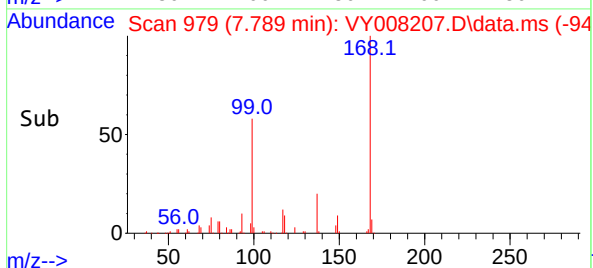
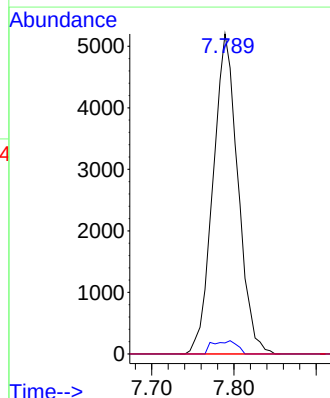
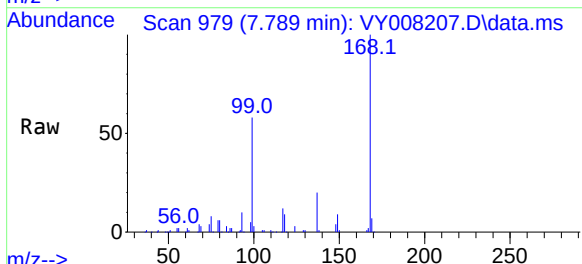
Tgt Ion: 117 Resp: 10942

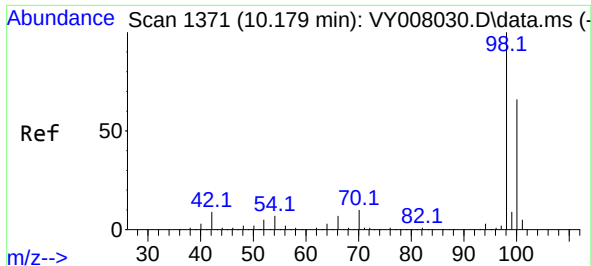
Ion Ratio Lower Upper

117 100

119 3.4 77.9 116.9#

121 0.0 24.8 37.2#

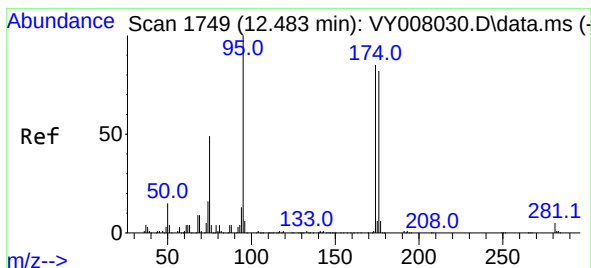
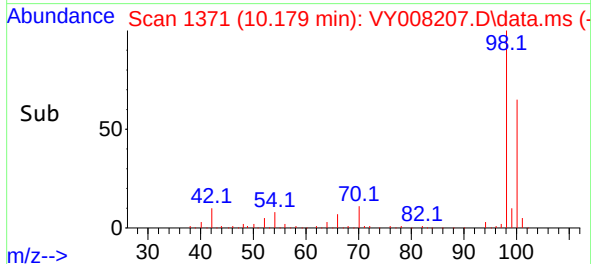
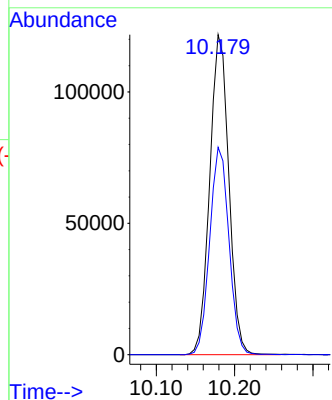
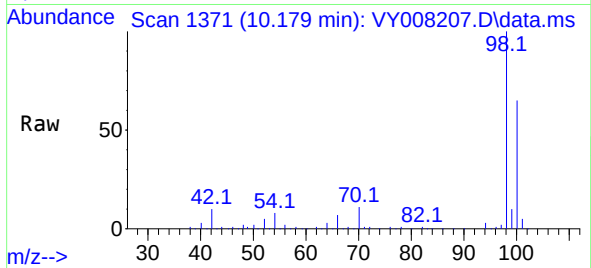




#50
Toluene-d8
Concen: 49.783 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY008207.D
Acq: 05 Apr 2022 14:16

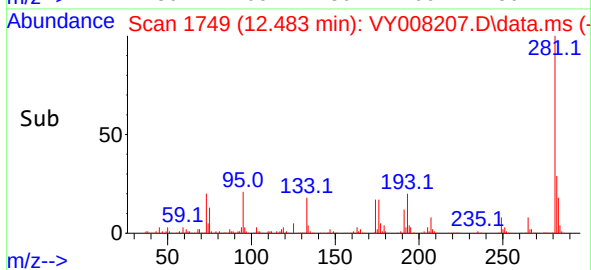
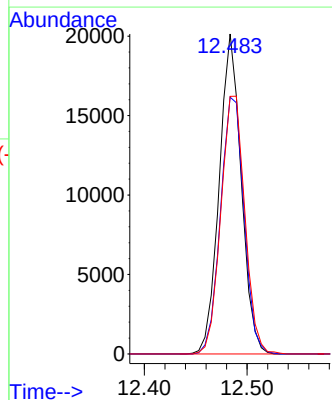
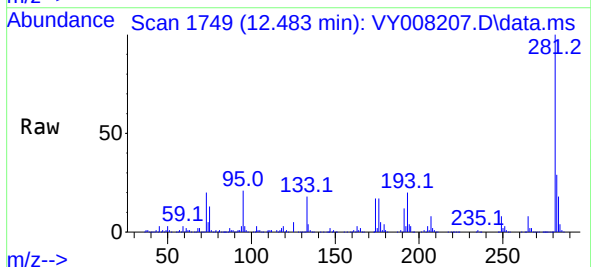
Instrument :
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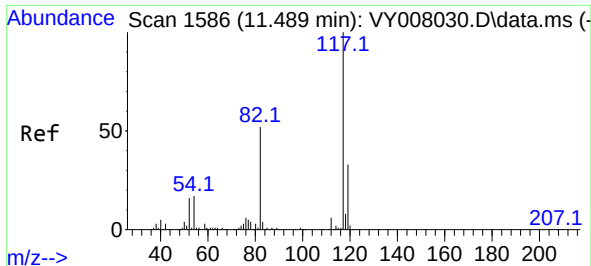
Tgt Ion: 98 Resp: 206053
Ion Ratio Lower Upper
98 100
100 65.2 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 20.432 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY008207.D
Acq: 05 Apr 2022 14:16

Tgt Ion: 95 Resp: 29836
Ion Ratio Lower Upper
95 100
174 85.8 0.0 177.0
176 87.9 0.0 175.8

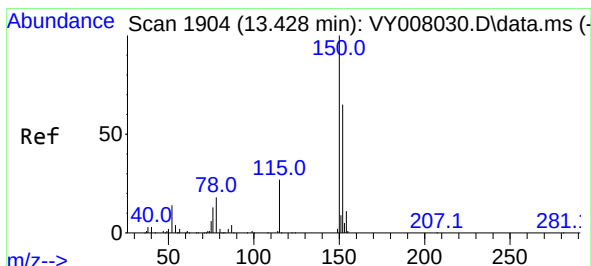
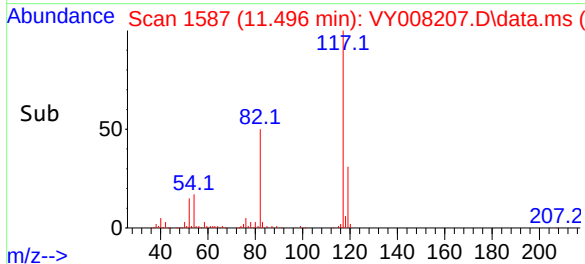
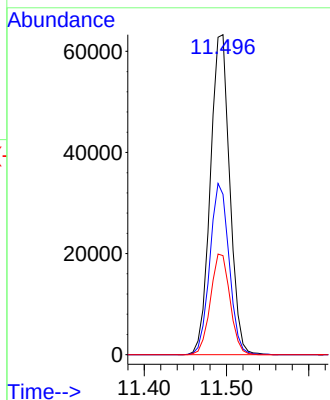
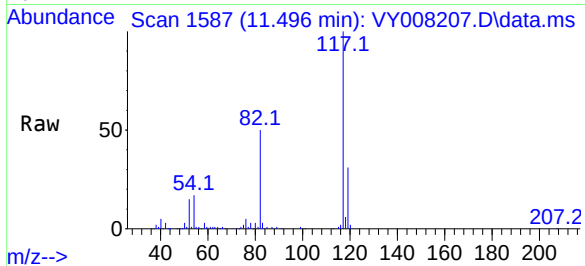




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 11
Delta R.T. 0.007 min
Lab File: VY008207.D
Acq: 05 Apr 2022 14:16

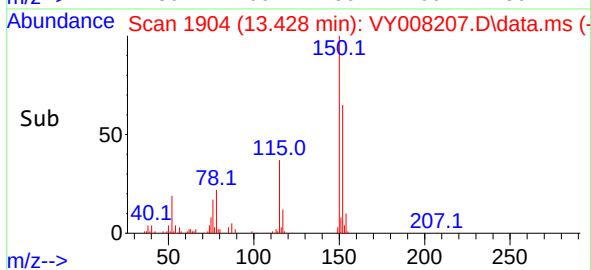
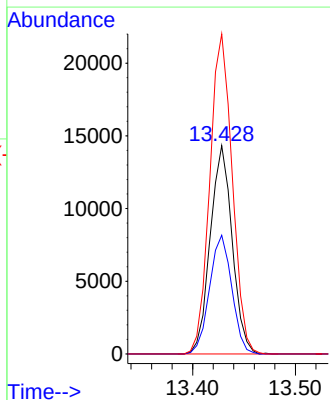
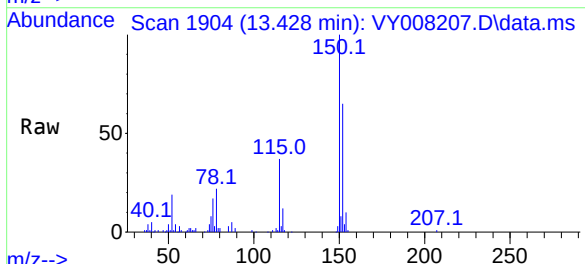
Instrument :
MSVOA_Y
ClientSampleId :
A13015RE

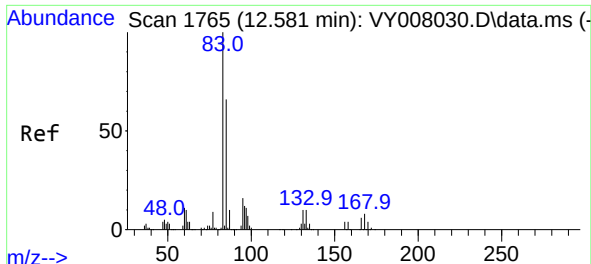
Tgt Ion:117 Resp: 103611
Ion Ratio Lower Upper
117 100
82 50.1 43.0 64.4
119 30.9 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY008207.D
Acq: 05 Apr 2022 14:16

Tgt Ion:152 Resp: 21226
Ion Ratio Lower Upper
152 100
115 57.7 28.2 84.7
150 157.0 0.0 347.6

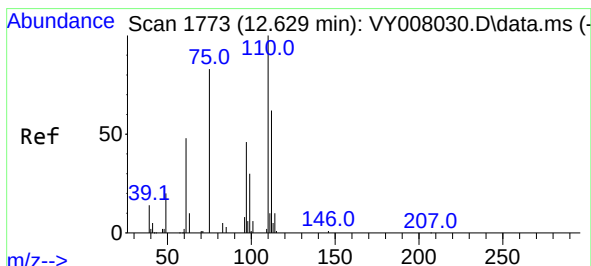
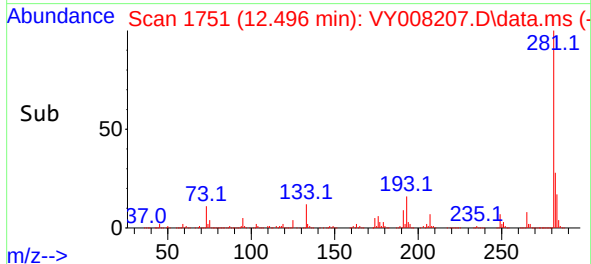
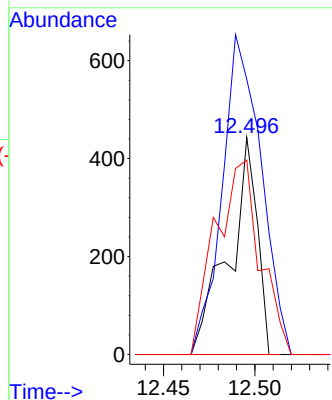
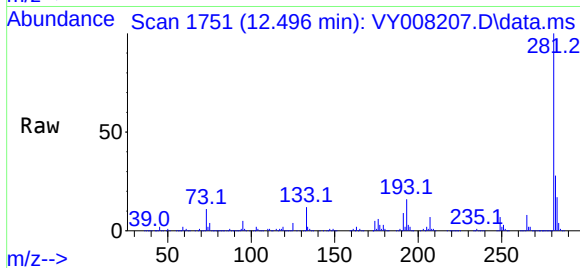




#75
1,1,2,2-Tetrachloroethane
Concen: 1.412 ug/l
RT: 12.496 min Scan# 1749
Delta R.T. -0.085 min
Lab File: VY008207.D
Acq: 05 Apr 2022 14:16

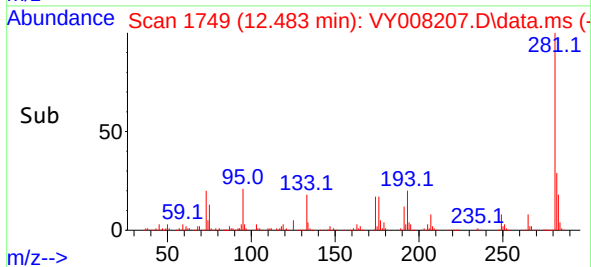
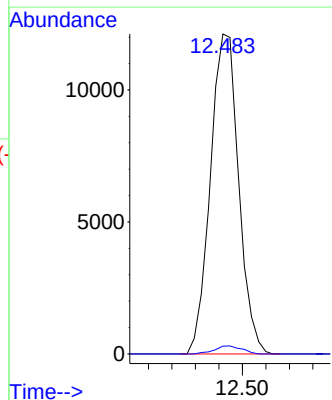
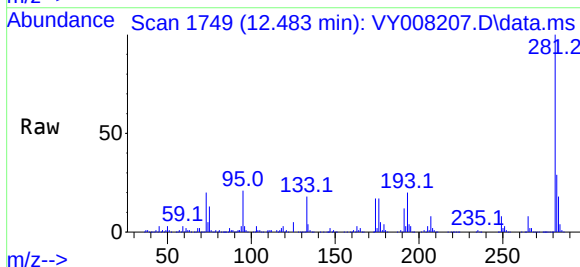
Instrument :
MSVOA_Y
ClientSampleId :
A13015RE

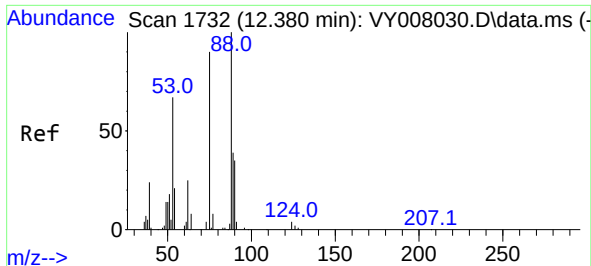
Tgt Ion: 83 Resp: 481
Ion Ratio Lower Upper
83 100
131 201.2 5.6 16.8#
85 140.1 32.3 96.8#



#76
1,2,3-Trichloropropane
Concen: 78.277 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.146 min
Lab File: VY008207.D
Acq: 05 Apr 2022 14:16

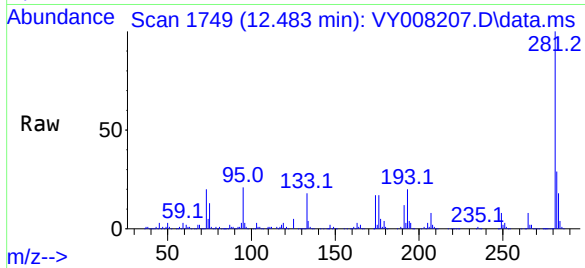
Tgt Ion: 75 Resp: 20254
Ion Ratio Lower Upper
75 100
77 2.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 174.650 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY008207.D
 Acq: 05 Apr 2022 14:16

Instrument :
 MSVOA_Y
 ClientSampleId :
 A13015RE



Tgt Ion:	75	Resp:	20254
Ion	Ratio	Lower	Upper
75	100		
53	0.0	85.3	127.9#
89	8.2	37.0	55.4#

