

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032122\
 Data File : VY007960.D
 Acq On : 21 Mar 2022 17:22
 Operator : SY/MD
 Sample : N1958-13RE
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 C-13-12-13RE

Quant Time: Mar 22 03:40:35 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y031722S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 17 13:55:34 2022
 Response via : Initial Calibration

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

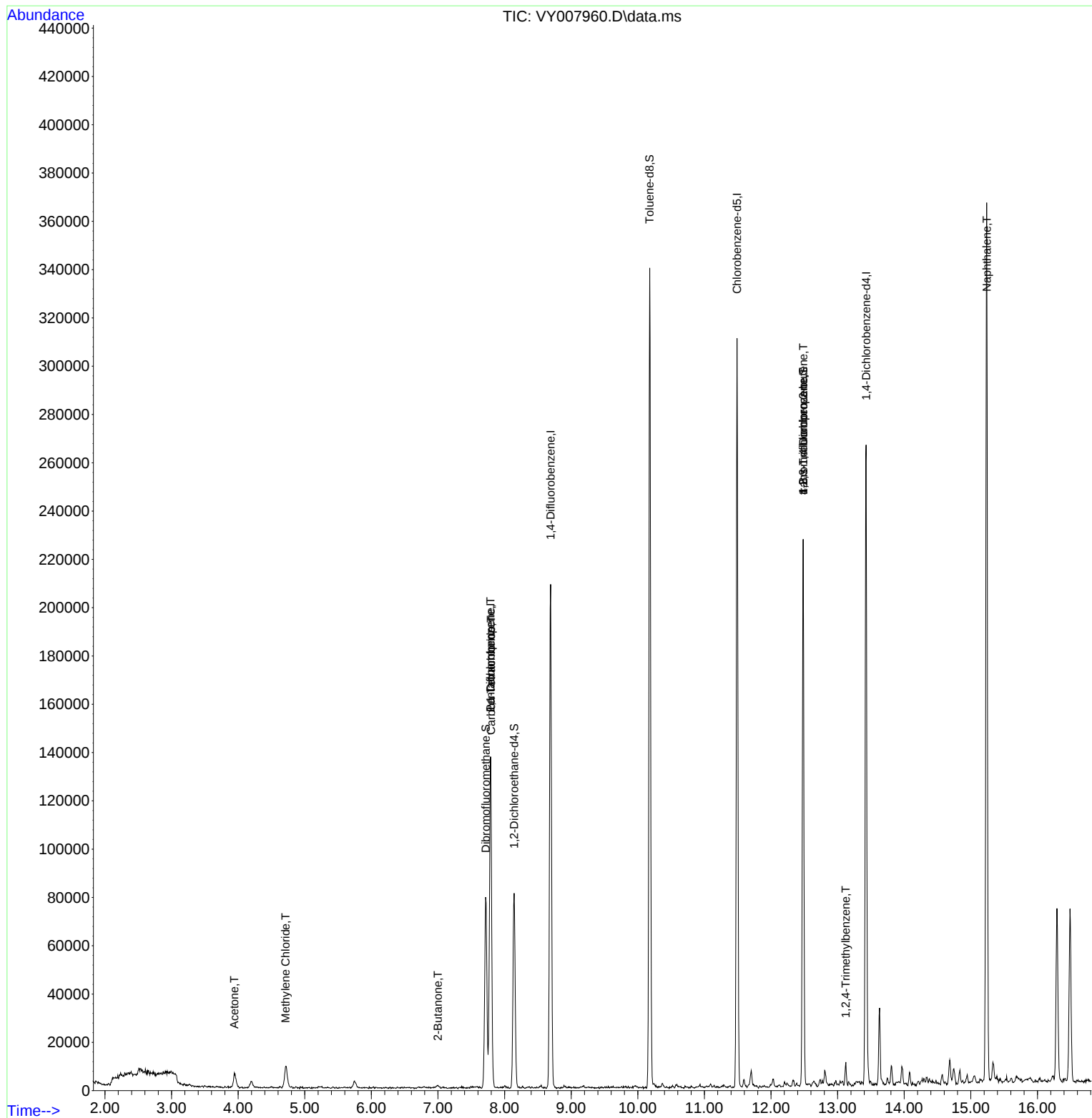
Internal Standards						
1) Pentafluorobenzene	7.789	168	98562	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	180770	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	160767	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	64665	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	61602	54.816	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.640%			
35) Dibromofluoromethane	7.716	113	55596	43.792	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 87.580%			
50) Toluene-d8	10.179	98	221778	58.899	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 117.800%			
62) 4-Bromofluorobenzene	12.483	95	72942	40.034	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 80.060%			
Target Compounds						Qvalue
3) Chloromethane	2.125	50	447	Below Cal	#	40
4) Vinyl Chloride	2.259	62	133	Below Cal	#	43
5) Bromomethane	2.662	94	260	Below Cal	#	11
16) Acetone	3.942	43	10531	35.324	ug/l	98
17) Carbon Disulfide	4.192	76	4733	Below Cal		96
18) Methyl Acetate	4.466	43	84	Below Cal	#	56
20) Methylene Chloride	4.710	84	6659	1.252	ug/l #	79
25) 2-Butanone	6.996	43	1952	4.088	ug/l #	89
31) Cyclohexane	7.795	56	2713	Below Cal	#	6
36) 1,1-Dichloropropene	7.789	75	8753	4.649	ug/l #	51
38) Carbon Tetrachloride	7.795	117	10657	5.297	ug/l #	14
39) Methylcyclohexane	9.185	83	359	Below Cal	#	80
76) 1,2,3-Trichloropropane	12.483	75	39178	42.507	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	39178	89.281	ug/l #	7
84) 1,2,4-Trimethylbenzene	13.123	105	4812	1.049	ug/l	99
95) Naphthalene	15.239	128	284033	88.137	ug/l	99

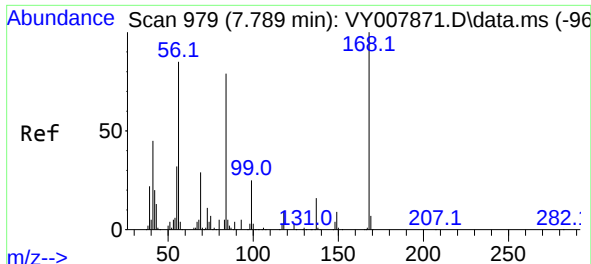
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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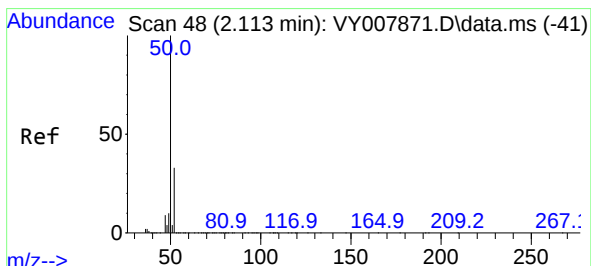
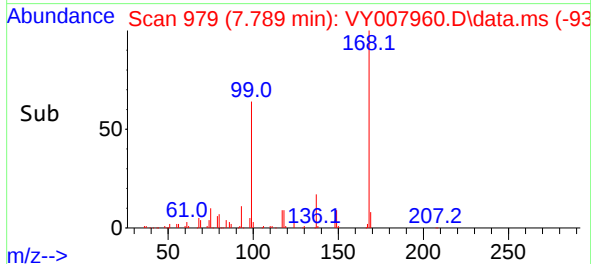
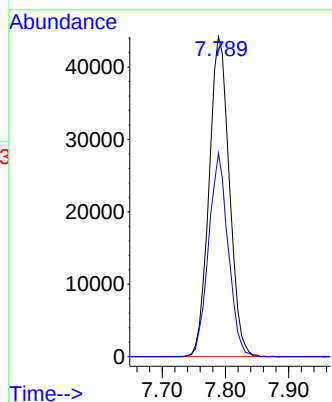
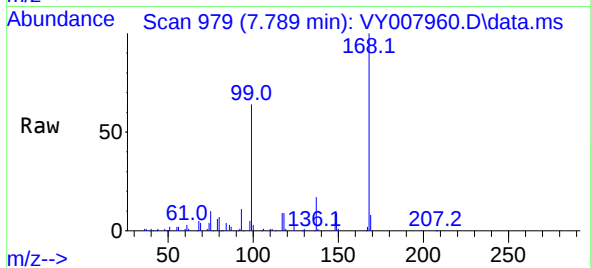




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY007960.D
Acq: 21 Mar 2022 17:22

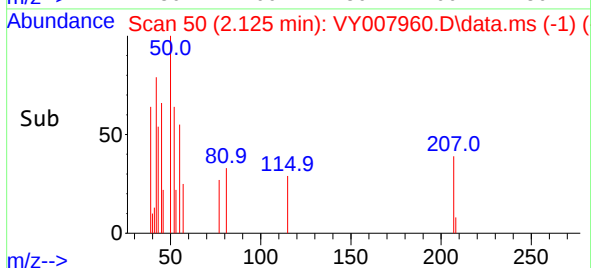
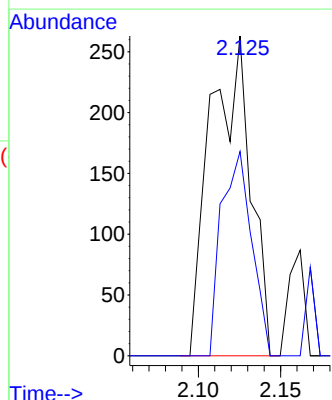
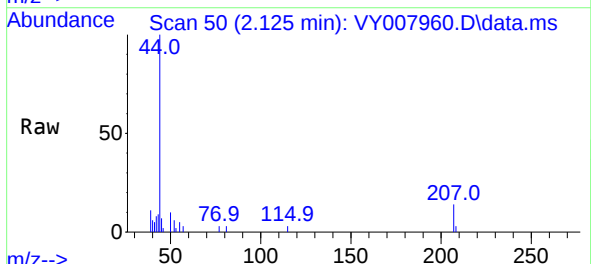
Instrument :
MSVOA_Y
ClientSampleId :
C-13-12-13RE

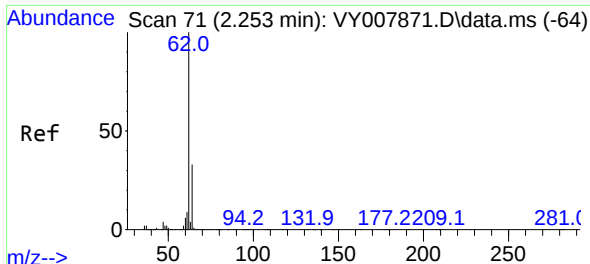
Tgt Ion:168 Resp: 98562
Ion Ratio Lower Upper
168 100
99 63.6 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.125 min Scan# 50
Delta R.T. 0.012 min
Lab File: VY007960.D
Acq: 21 Mar 2022 17:22

Tgt Ion: 50 Resp: 447
Ion Ratio Lower Upper
50 100
52 63.9 24.6 37.0#

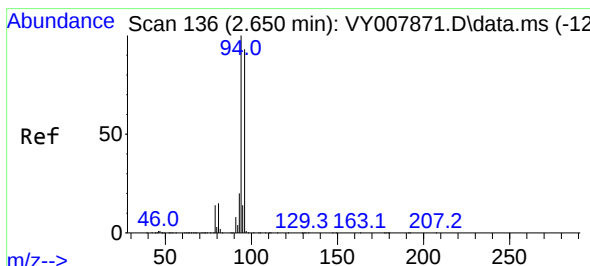
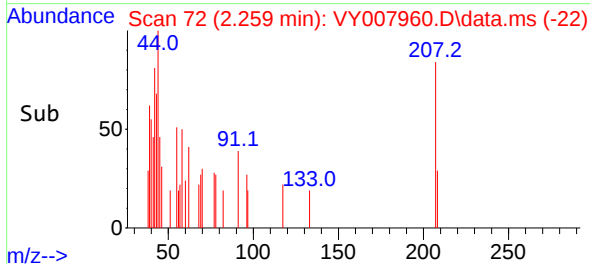
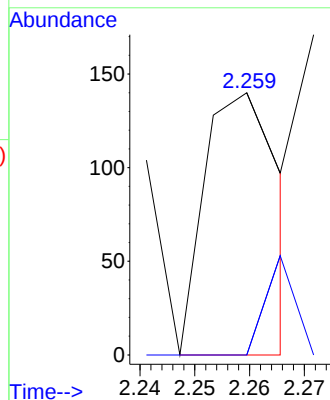
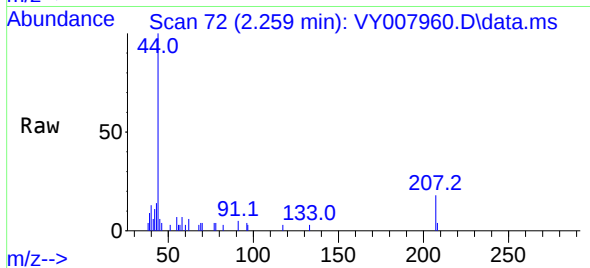




#4
 Vinyl Chloride
 Concen: Below Cal
 RT: 2.259 min Scan# 71
 Delta R.T. 0.006 min
 Lab File: VY007960.D
 Acq: 21 Mar 2022 17:22

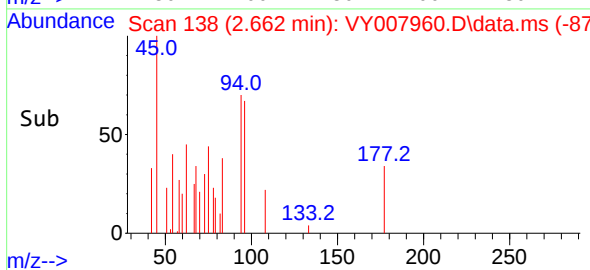
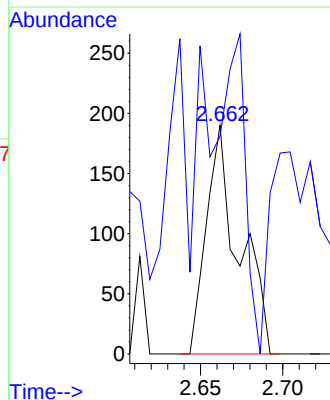
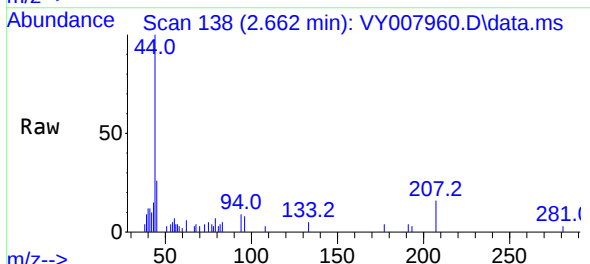
Instrument :
 MSVOA_Y
 ClientSampleId :
 C-13-12-13RE

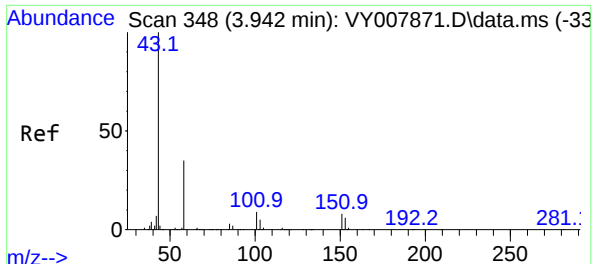
Tgt Ion: 62 Resp: 133
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.0 37.6#



#5
 Bromomethane
 Concen: Below Cal
 RT: 2.662 min Scan# 138
 Delta R.T. 0.012 min
 Lab File: VY007960.D
 Acq: 21 Mar 2022 17:22

Tgt Ion: 94 Resp: 260
 Ion Ratio Lower Upper
 94 100
 96 7.4 73.5 110.3#

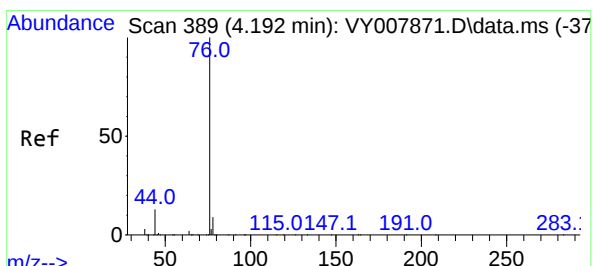
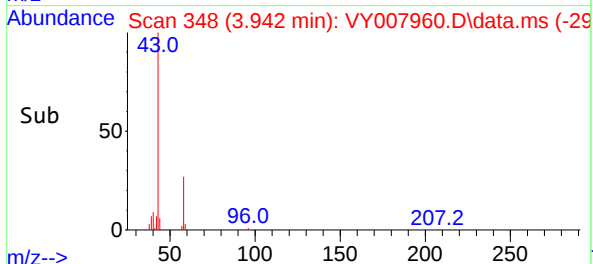
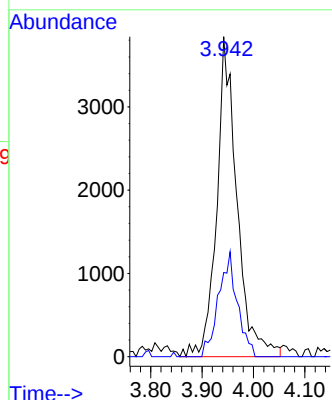
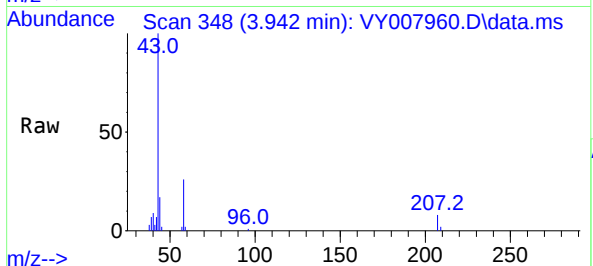




#16
Acetone
Concen: 35.324 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.000 min
Lab File: VY007960.D
Acq: 21 Mar 2022 17:22

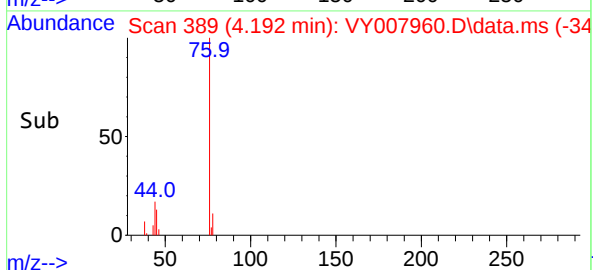
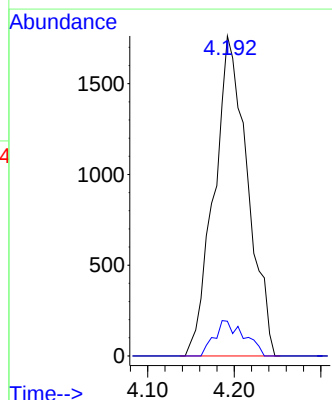
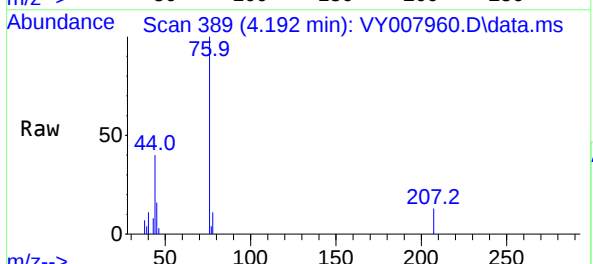
Instrument :
MSVOA_Y
ClientSampleId :
C-13-12-13RE

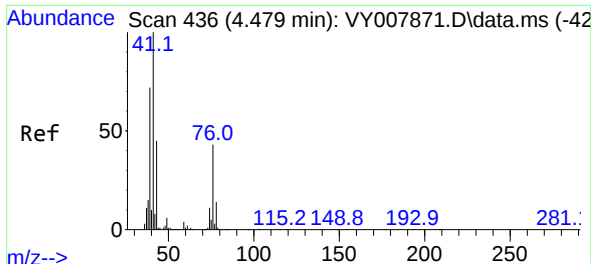
Tgt Ion: 43 Resp: 10531
Ion Ratio Lower Upper
43 100
58 26.3 22.0 33.0



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.192 min Scan# 389
Delta R.T. -0.000 min
Lab File: VY007960.D
Acq: 21 Mar 2022 17:22

Tgt Ion: 76 Resp: 4733
Ion Ratio Lower Upper
76 100
78 10.8 7.4 11.0

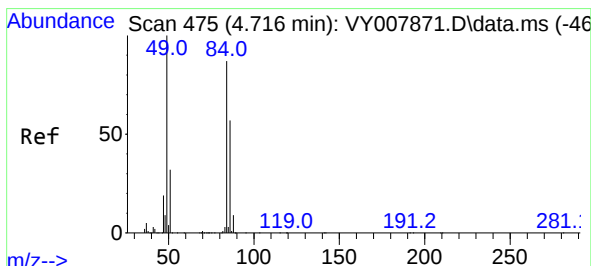
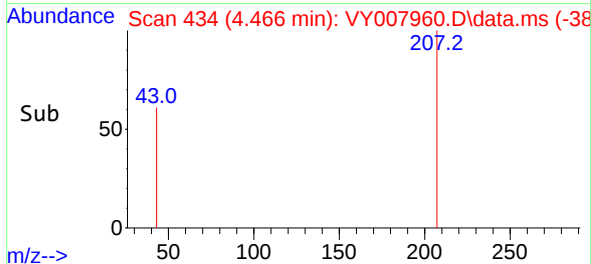
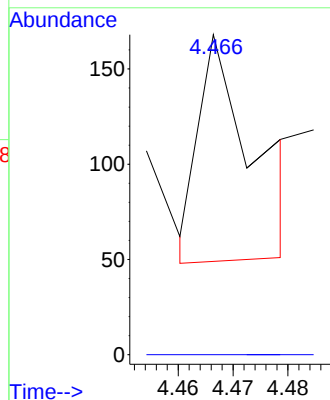
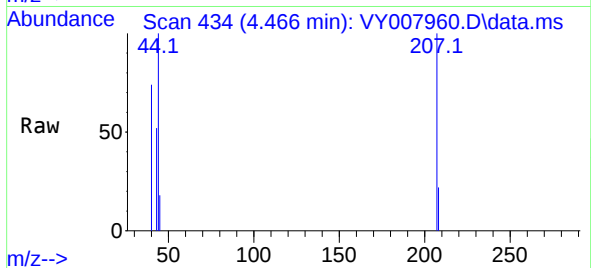




#18
Methyl Acetate
Concen: Below Cal
RT: 4.466 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY007960.D
Acq: 21 Mar 2022 17:22

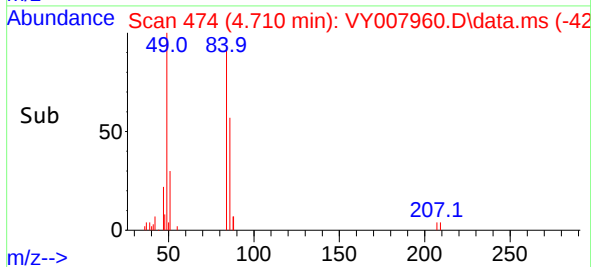
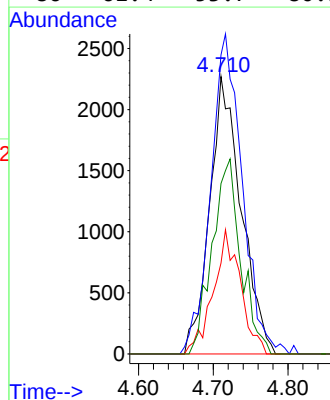
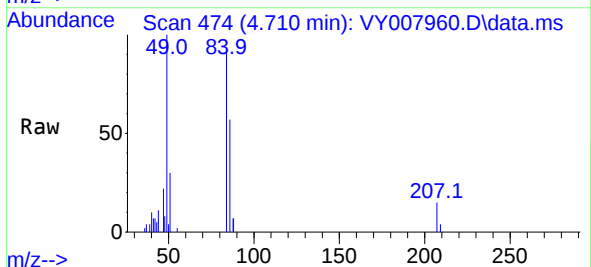
Instrument :
MSVOA_Y
ClientSampleId :
C-13-12-13RE

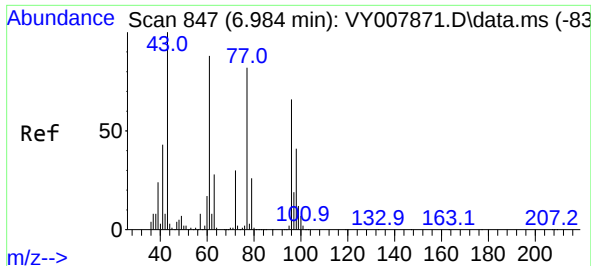
Tgt Ion: 43 Resp: 84
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: 1.252 ug/l
RT: 4.710 min Scan# 474
Delta R.T. -0.006 min
Lab File: VY007960.D
Acq: 21 Mar 2022 17:22

Tgt Ion: 84 Resp: 6659
Ion Ratio Lower Upper
84 100
49 107.7 114.4 171.6#
51 32.8 35.3 52.9#
86 61.4 53.7 80.5





#25

2-Butanone

Concen: 4.088 ug/l

RT: 6.996 min Scan# 84

Delta R.T. 0.012 min

Lab File: VY007960.D

Acq: 21 Mar 2022 17:22

Instrument :

MSVOA_Y

ClientSampleId :

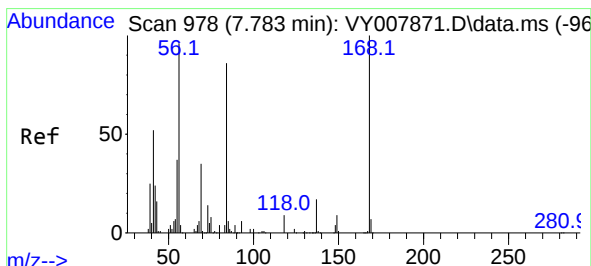
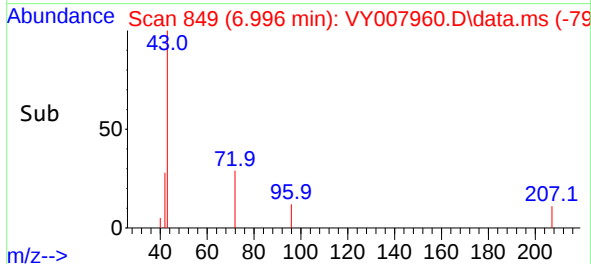
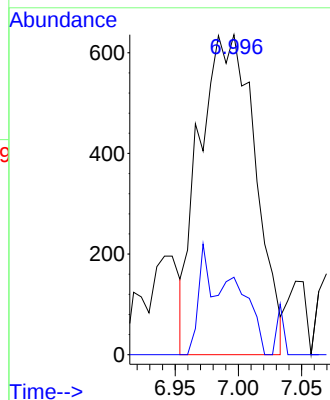
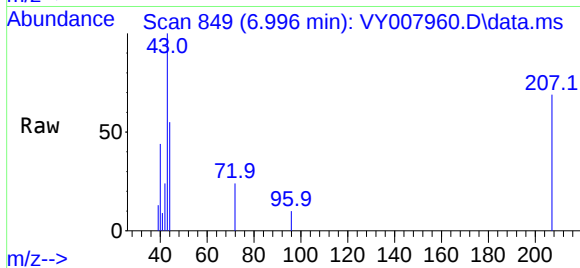
C-13-12-13RE

Tgt Ion: 43 Resp: 1952

Ion Ratio Lower Upper

43 100

72 27.5 17.7 26.5#



#31

Cyclohexane

Concen: Below Cal

RT: 7.795 min Scan# 980

Delta R.T. 0.012 min

Lab File: VY007960.D

Acq: 21 Mar 2022 17:22

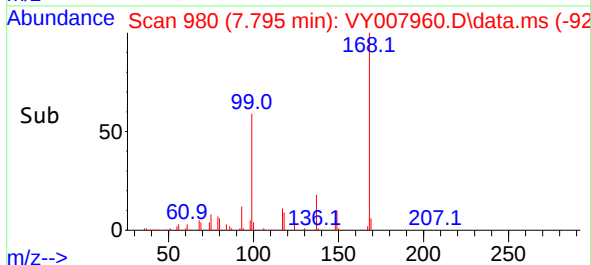
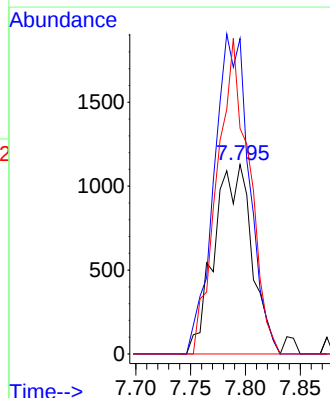
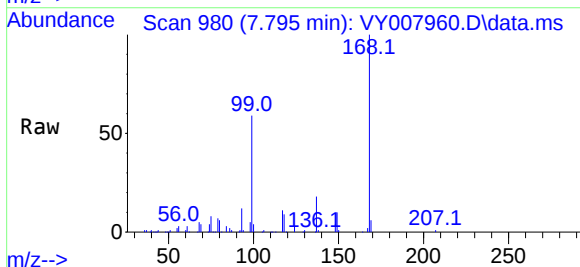
Tgt Ion: 56 Resp: 2713

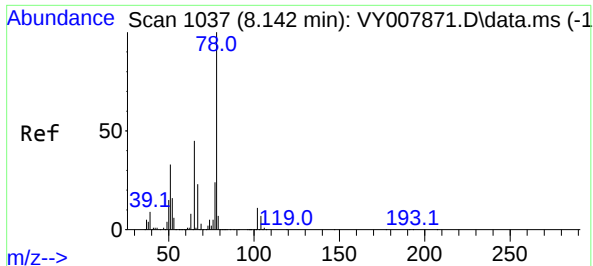
Ion Ratio Lower Upper

56 100

69 166.4 26.7 40.1#

84 119.1 67.2 100.8#

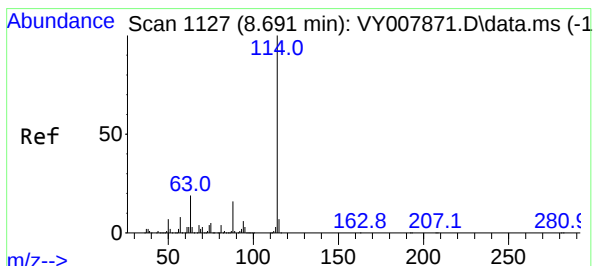
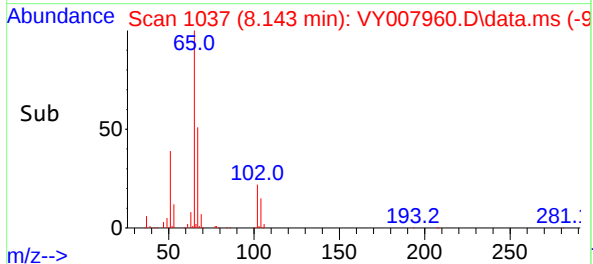
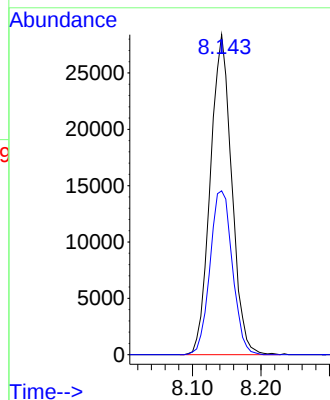
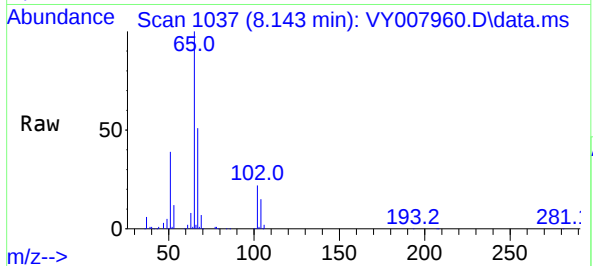




#33
1,2-Dichloroethane-d4
Concen: 54.816 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY007960.D
Acq: 21 Mar 2022 17:22

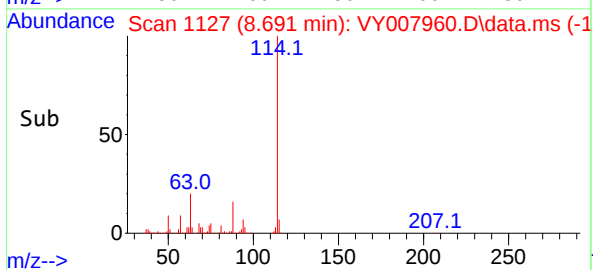
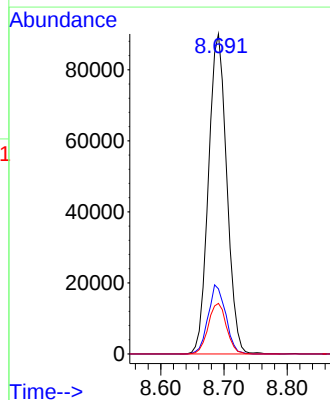
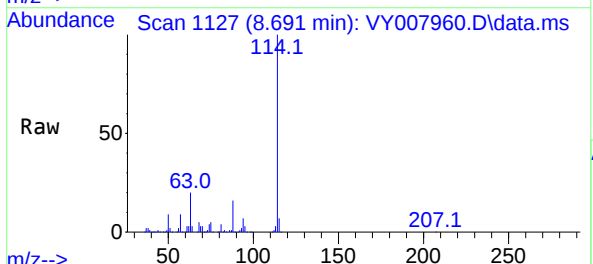
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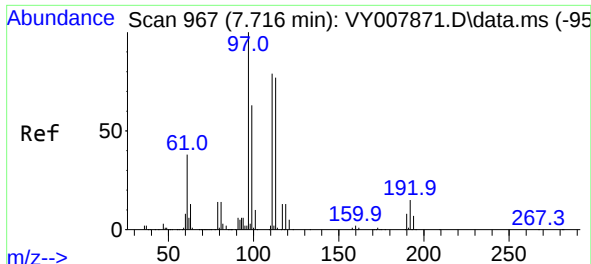
Tgt Ion: 65 Resp: 61602
Ion Ratio Lower Upper
65 100
67 53.5 0.0 99.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VY007960.D
Acq: 21 Mar 2022 17:22

Tgt Ion:114 Resp: 180770
Ion Ratio Lower Upper
114 100
63 20.3 0.0 43.2
88 15.8 0.0 31.8

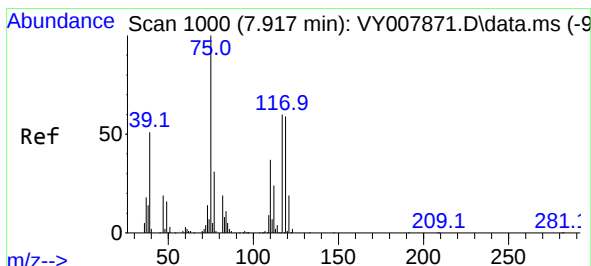
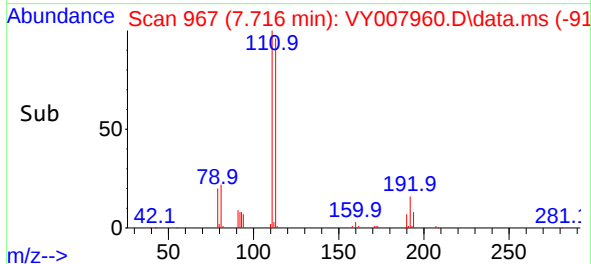
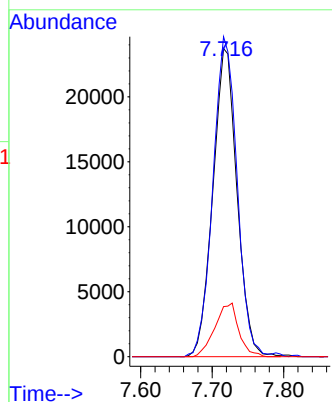
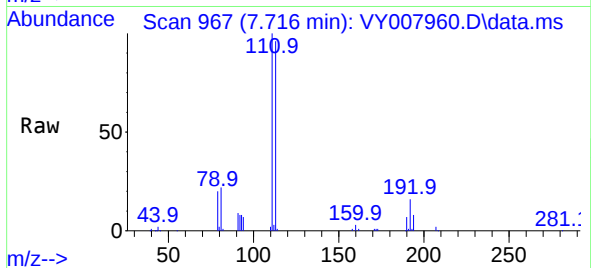




#35
Dibromofluoromethane
Concen: 43.792 ug/l
RT: 7.716 min Scan# 910
Delta R.T. -0.000 min
Lab File: VY007960.D
Acq: 21 Mar 2022 17:22

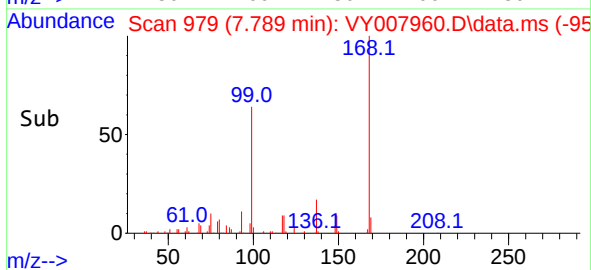
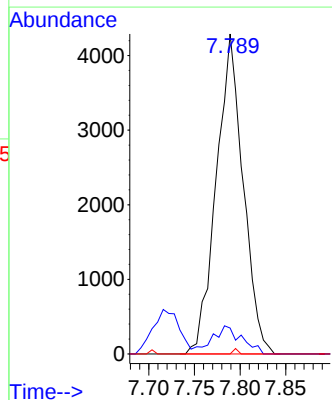
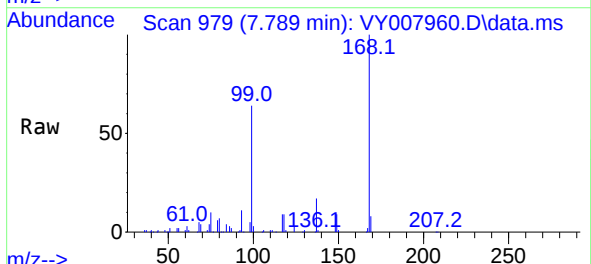
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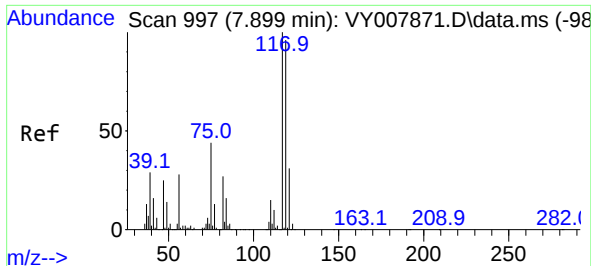
Tgt Ion:113 Resp: 55596
Ion Ratio Lower Upper
113 100
111 103.8 82.6 124.0
192 17.2 17.6 26.4#



#36
1,1-Dichloropropene
Concen: 4.649 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY007960.D
Acq: 21 Mar 2022 17:22

Tgt Ion: 75 Resp: 8753
Ion Ratio Lower Upper
75 100
110 8.9 17.1 51.2#
77 0.3 24.4 36.6#

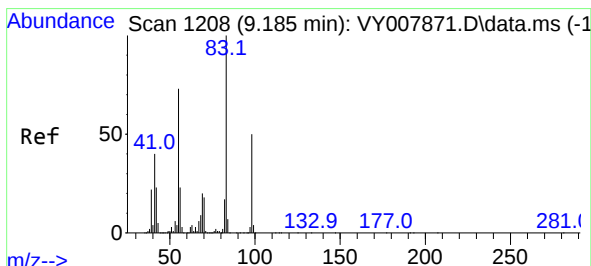
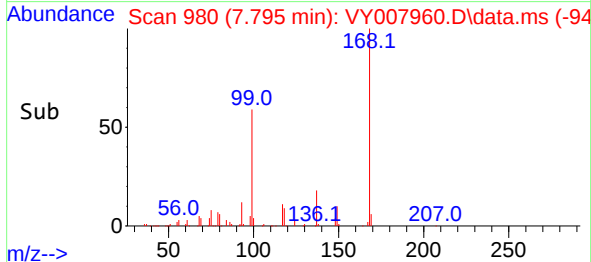
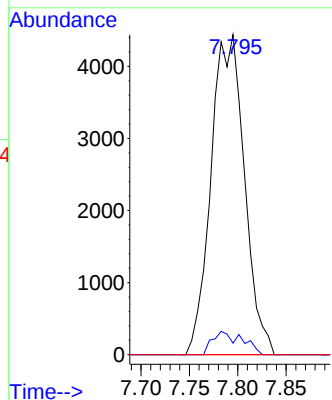
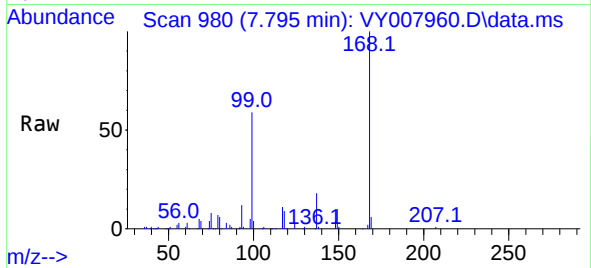




#38
Carbon Tetrachloride
Concen: 5.297 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY007960.D
Acq: 21 Mar 2022 17:22

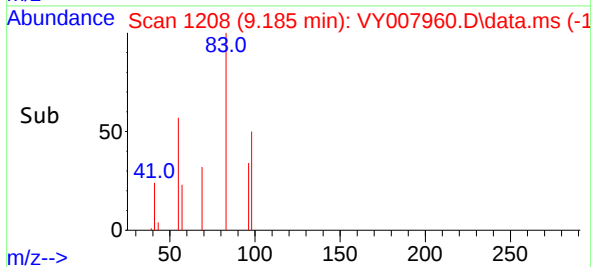
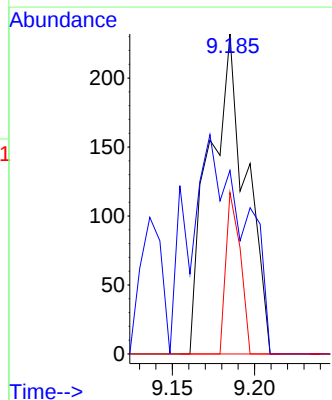
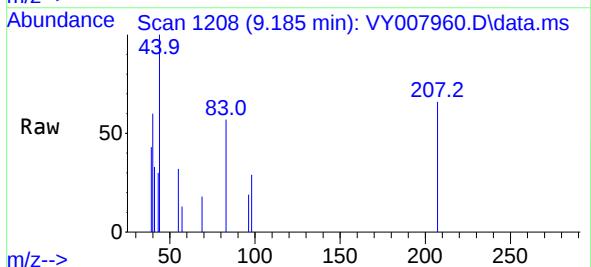
Instrument :
MSVOA_Y
ClientSampleId :
C-13-12-13RE

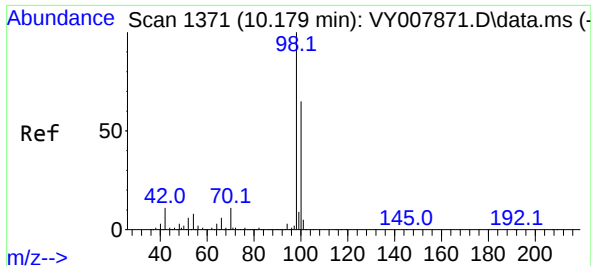
Tgt Ion:117 Resp: 10657
Ion Ratio Lower Upper
117 100
119 3.6 77.9 116.9#
121 0.0 24.8 37.2#



#39
Methylcyclohexane
Concen: Below Cal
RT: 9.185 min Scan# 1208
Delta R.T. -0.000 min
Lab File: VY007960.D
Acq: 21 Mar 2022 17:22

Tgt Ion: 83 Resp: 359
Ion Ratio Lower Upper
83 100
55 57.3 66.5 99.7#
98 50.4 37.9 56.9

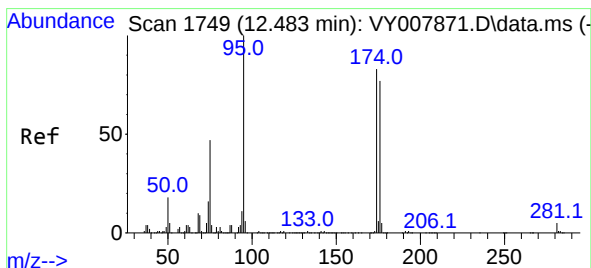
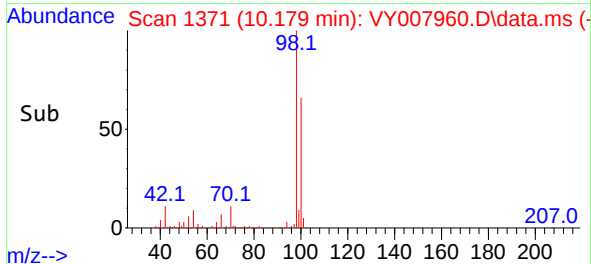
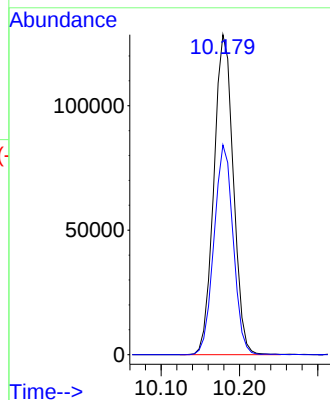
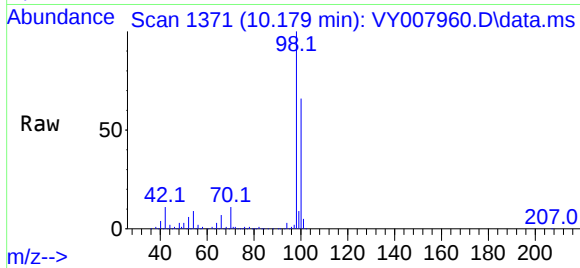




#50
Toluene-d8
Concen: 58.899 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY007960.D
Acq: 21 Mar 2022 17:22

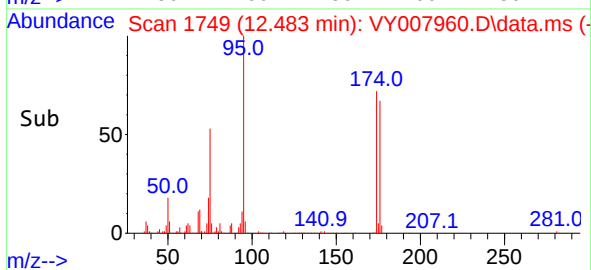
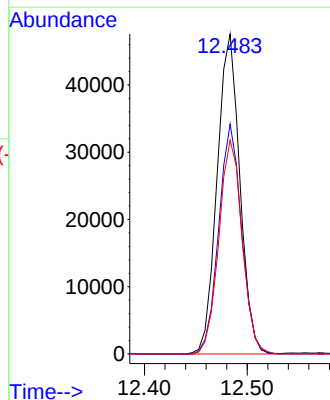
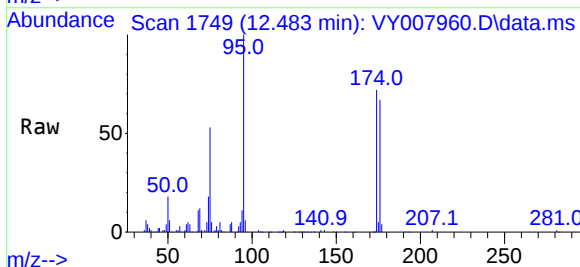
Instrument :
MSVOA_Y
ClientSampleId :
C-13-12-13RE

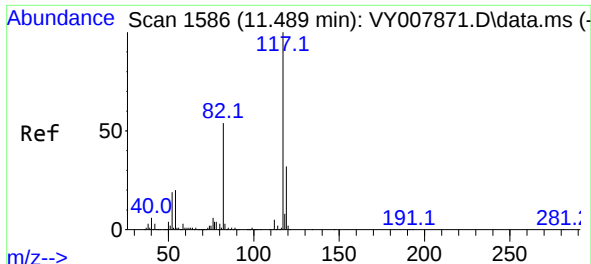
Tgt Ion: 98 Resp: 221778
Ion Ratio Lower Upper
98 100
100 64.6 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 40.034 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY007960.D
Acq: 21 Mar 2022 17:22

Tgt Ion: 95 Resp: 72942
Ion Ratio Lower Upper
95 100
174 72.2 0.0 177.0
176 68.2 0.0 175.8

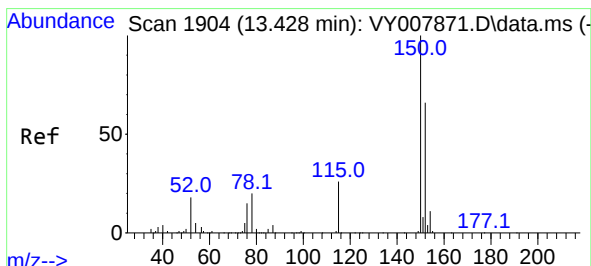
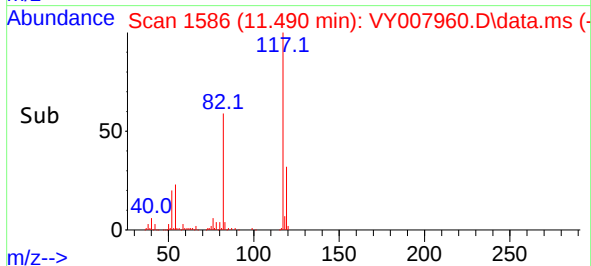
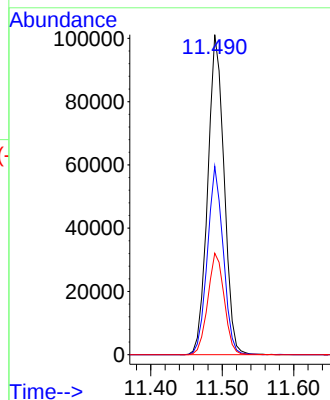
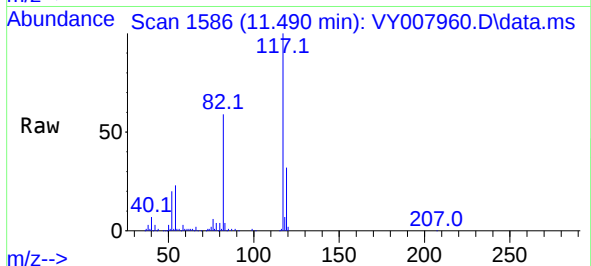




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY007960.D
Acq: 21 Mar 2022 17:22

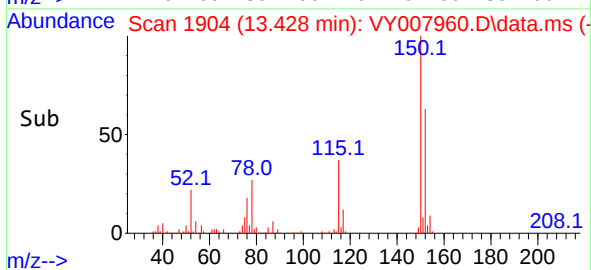
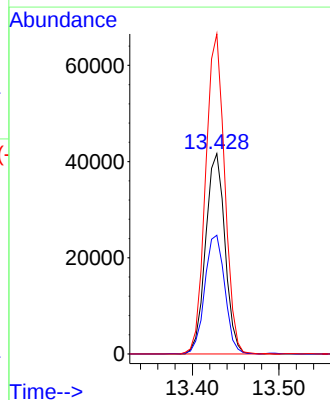
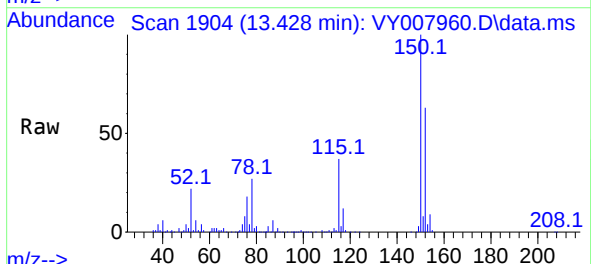
Instrument :
MSVOA_Y
ClientSampleId :
C-13-12-13RE

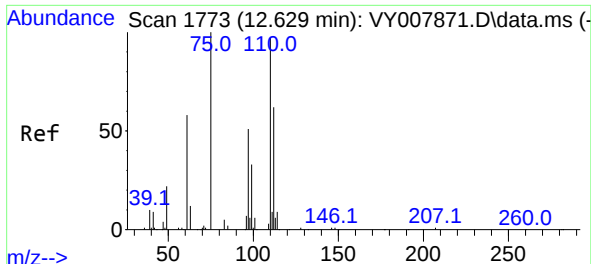
Tgt Ion:117 Resp: 160767
Ion Ratio Lower Upper
117 100
82 58.9 43.0 64.4
119 31.7 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY007960.D
Acq: 21 Mar 2022 17:22

Tgt Ion:152 Resp: 64665
Ion Ratio Lower Upper
152 100
115 61.7 28.2 84.7
150 157.2 0.0 347.6

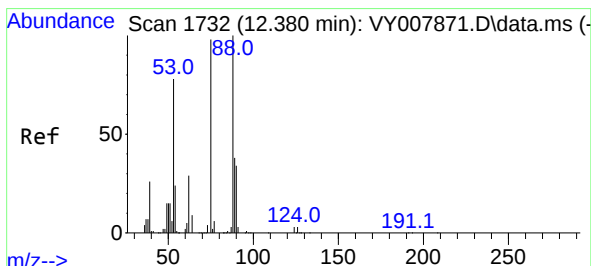
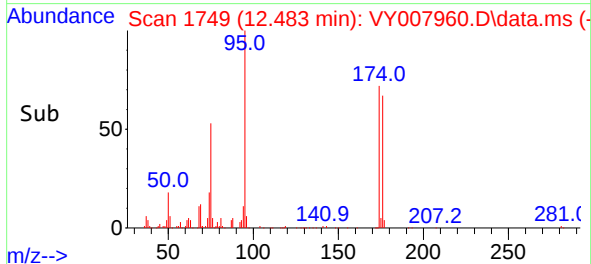
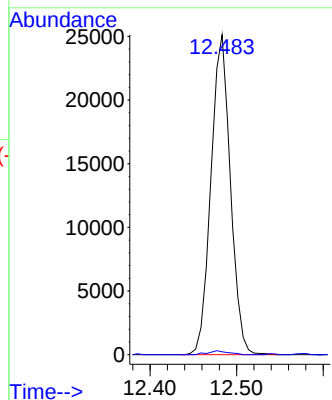
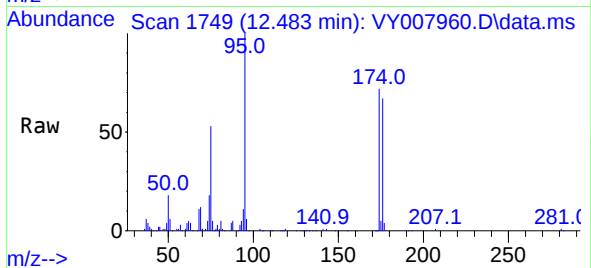




#76
1,2,3-Trichloropropane
Concen: 42.507 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY007960.D
Acq: 21 Mar 2022 17:22

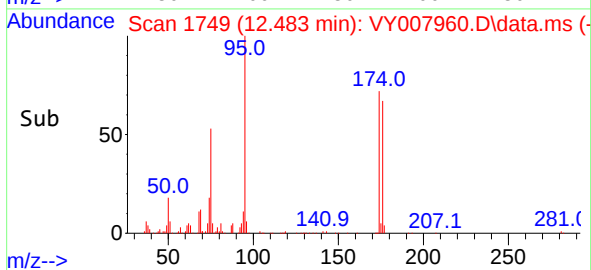
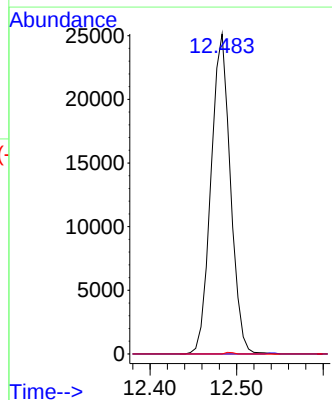
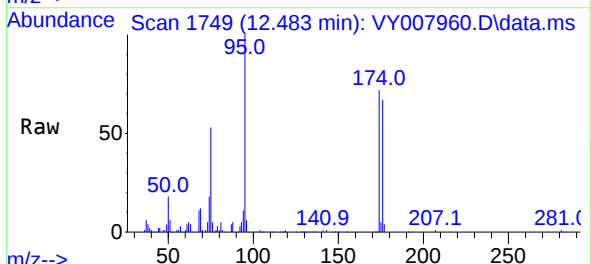
Instrument :
MSVOA_Y
ClientSampleId :
C-13-12-13RE

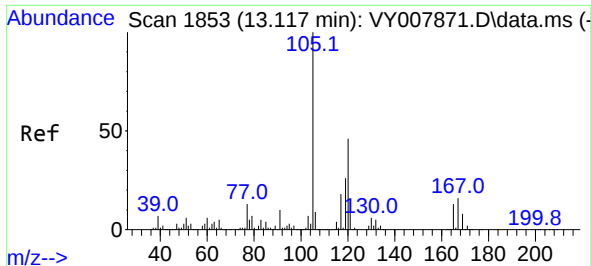
Tgt Ion: 75 Resp: 39178
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 89.281 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY007960.D
Acq: 21 Mar 2022 17:22

Tgt Ion: 75 Resp: 39178
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.2 37.0 55.4#

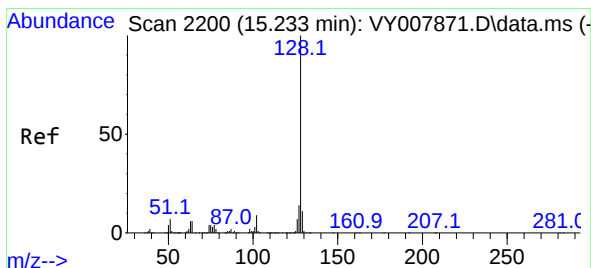
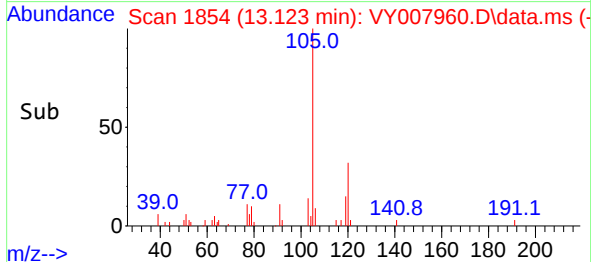
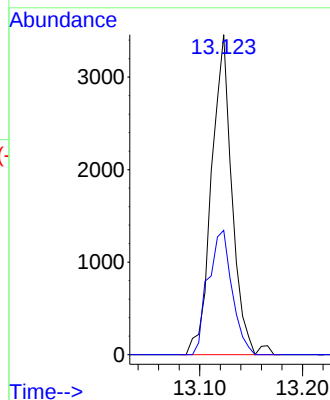
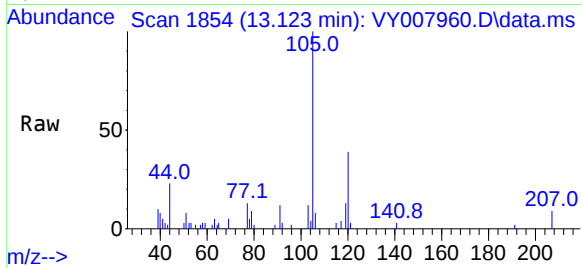




#84
1,2,4-Trimethylbenzene
Concen: 1.049 ug/l
RT: 13.123 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY007960.D
Acq: 21 Mar 2022 17:22

Instrument :
MSVOA_Y
ClientSampleId :
C-13-12-13RE

Tgt Ion:105 Resp: 4812
Ion Ratio Lower Upper
105 100
120 45.1 22.3 66.9



#95
Naphthalene
Concen: 88.137 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY007960.D
Acq: 21 Mar 2022 17:22

Tgt Ion:128 Resp: 284033
Ion Ratio Lower Upper
128 100
127 13.1 11.0 16.4
129 10.9 8.4 12.6

