

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091922\
 Data File : VY010558.D
 Acq On : 19 Sep 2022 18:01
 Operator : KP/MD
 Sample : N4653-01
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CAR-1948

Quant Time: Sep 20 01:05:19 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091922S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 20 01:02:44 2022
 Response via : Initial Calibration

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

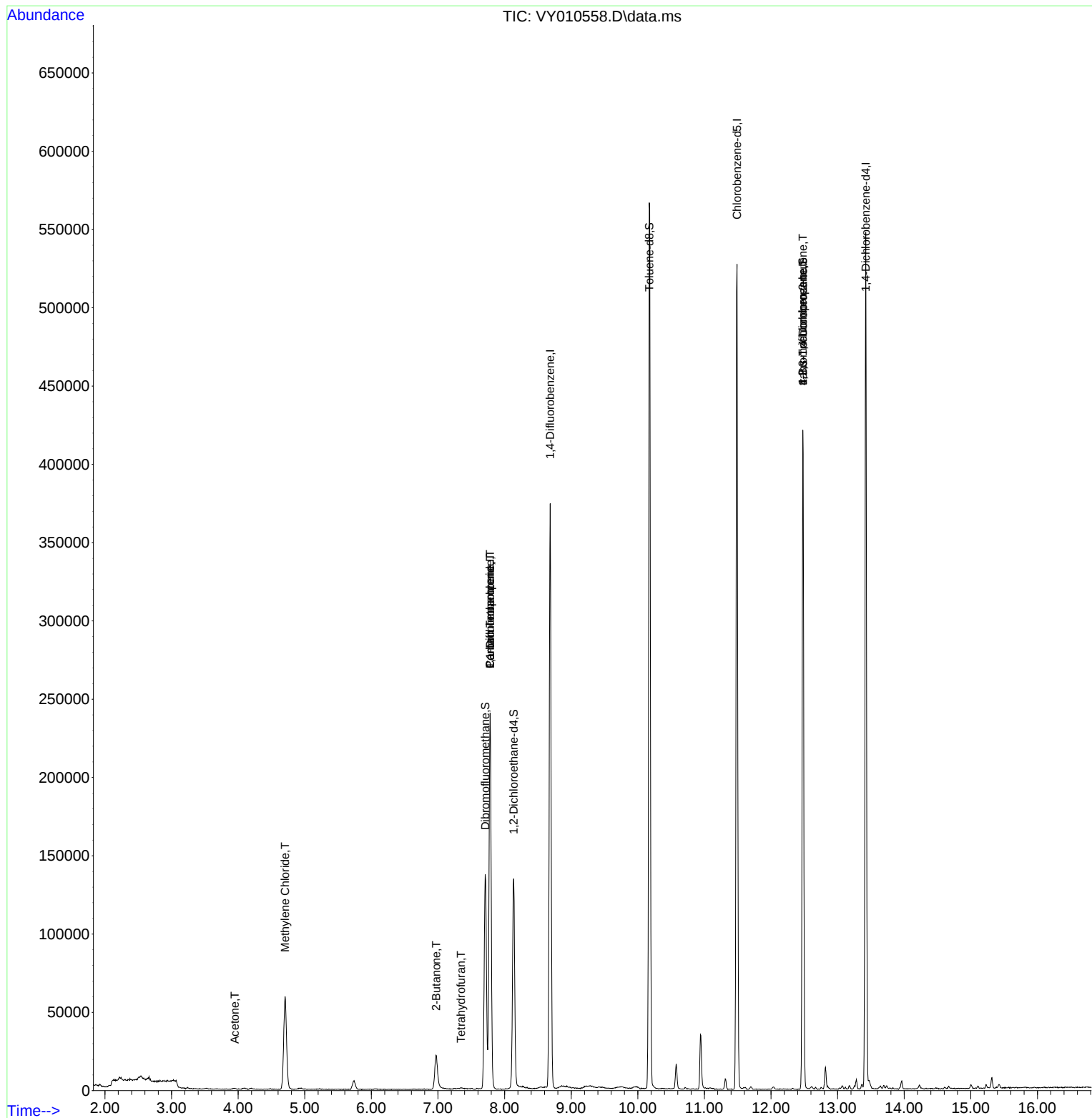
Internal Standards						
1) Pentafluorobenzene	7.783	168	190293	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	320639	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	298489	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	137583	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	103622	56.932	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 113.860%			
35) Dibromofluoromethane	7.710	113	98615	48.191	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 96.380%			
50) Toluene-d8	10.173	98	380235	50.260	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 100.520%			
62) 4-Bromofluorobenzene	12.477	95	128856	45.676	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 91.360%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.894	85	67	Below Cal	#	43
3) Chloromethane	2.107	50	787	Below Cal	#	67
4) Vinyl Chloride	2.253	62	184	Below Cal	#	43
5) Bromomethane	2.656	94	977	Below Cal	#	71
11) Tert butyl alcohol	4.930	59	1187	Below Cal	#	77
16) Acetone	3.948	43	1189	3.203 ug/l	#	79
17) Carbon Disulfide	4.180	76	337	Below Cal	#	75
18) Methyl Acetate	4.478	43	344	Below Cal	#	56
20) Methylene Chloride	4.704	84	45818	14.848 ug/l	#	83
25) 2-Butanone	6.972	43	1257	2.165 ug/l	#	80
29) Tetrahydrofuran	7.344	42	414	1.161 ug/l	#	56
31) Cyclohexane	7.777	56	3785	Below Cal	#	1
36) 1,1-Dichloropropene	7.783	75	14162	6.211 ug/l	#	50
38) Carbon Tetrachloride	7.783	117	18778	7.163 ug/l	#	17
76) 1,2,3-Trichloropropane	12.477	75	65923	50.203 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.477	75	65923	111.622 ug/l	#	7

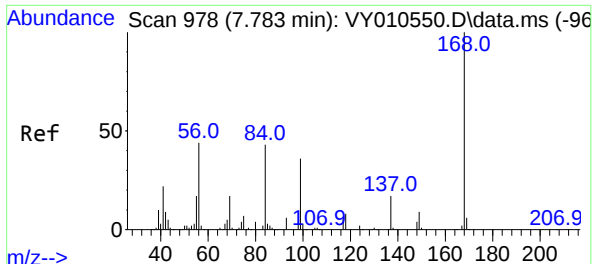
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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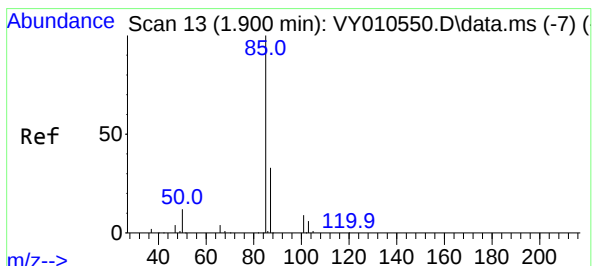
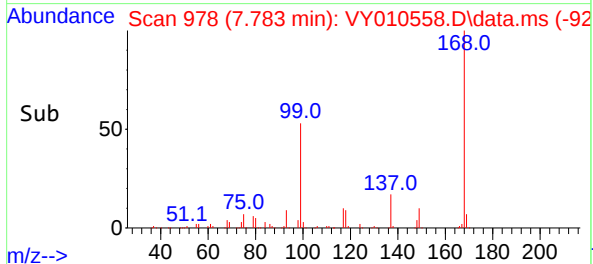
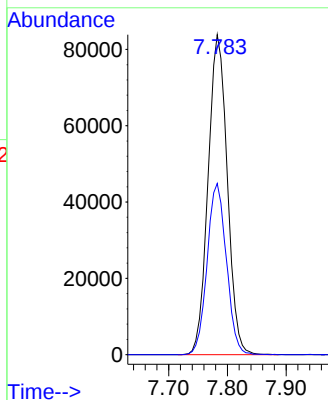
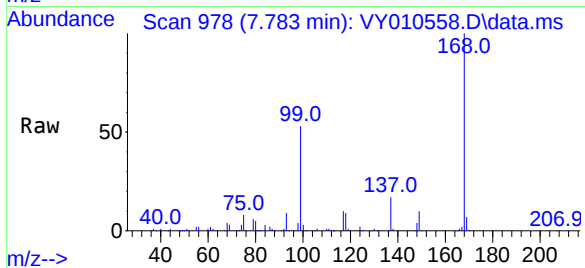




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010558.D
Acq: 19 Sep 2022 18:01

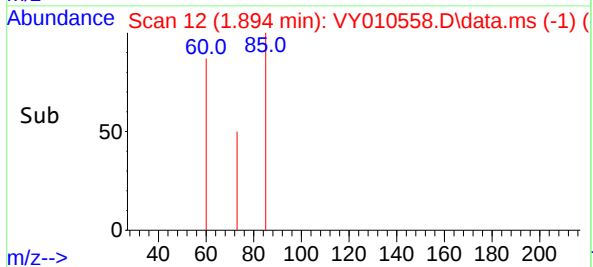
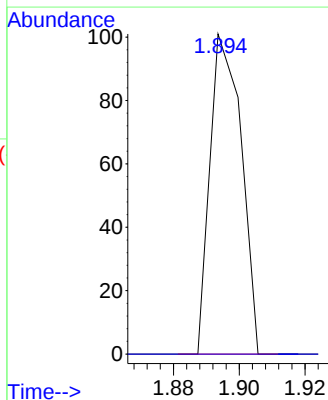
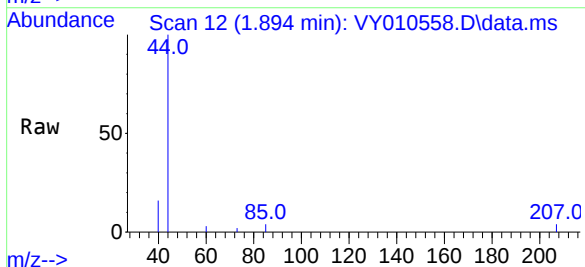
Instrument :
MSVOA_Y
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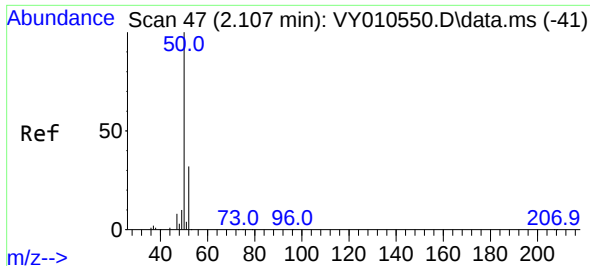
Tgt Ion:168 Resp: 190293
Ion Ratio Lower Upper
168 100
99 53.5 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.894 min Scan# 12
Delta R.T. -0.006 min
Lab File: VY010558.D
Acq: 19 Sep 2022 18:01

Tgt Ion: 85 Resp: 67
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

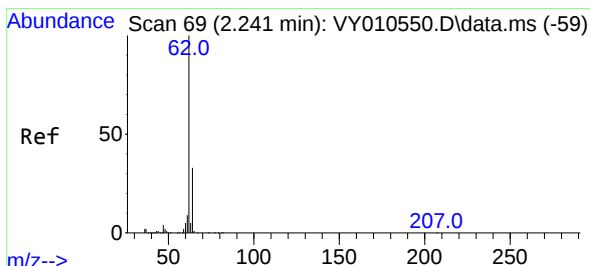
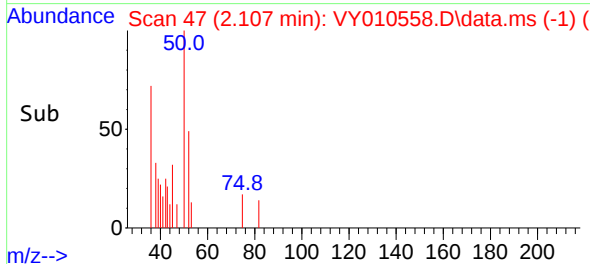
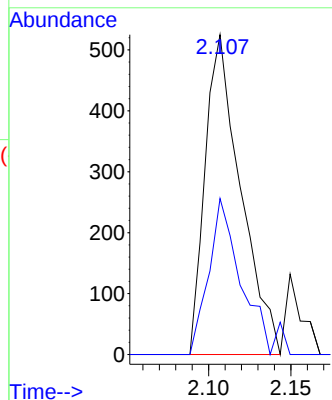
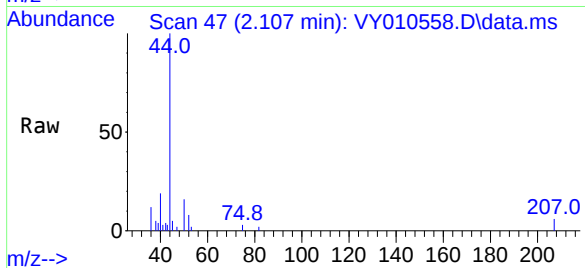




#3
Chloromethane
Concen: Below Cal
RT: 2.107 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY010558.D
Acq: 19 Sep 2022 18:01

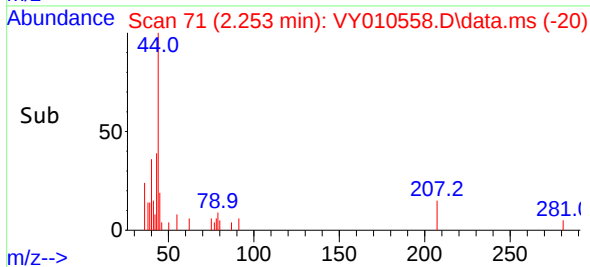
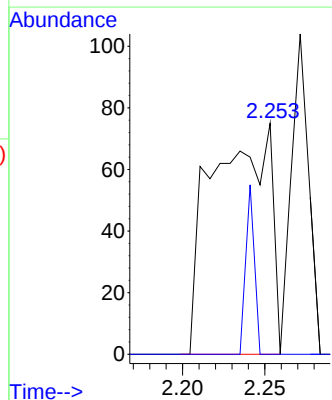
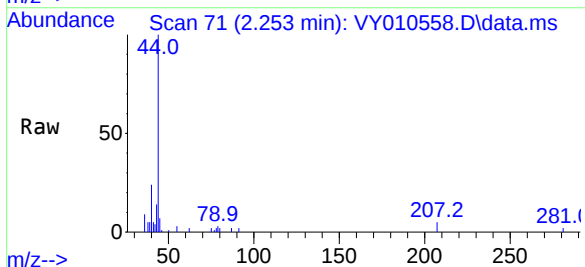
Instrument :
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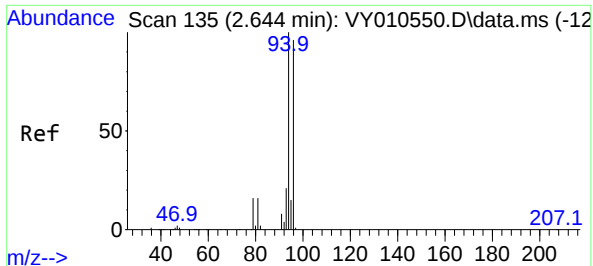
Tgt Ion: 50 Resp: 787
Ion Ratio Lower Upper
50 100
52 48.8 24.6 37.0#



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.253 min Scan# 71
Delta R.T. 0.012 min
Lab File: VY010558.D
Acq: 19 Sep 2022 18:01

Tgt Ion: 62 Resp: 184
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

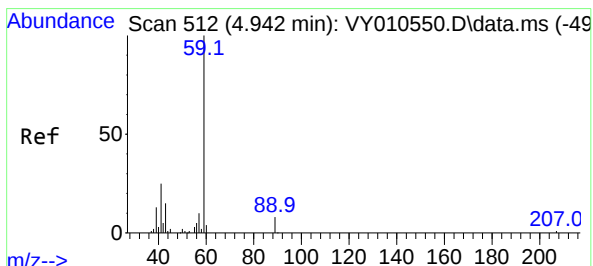
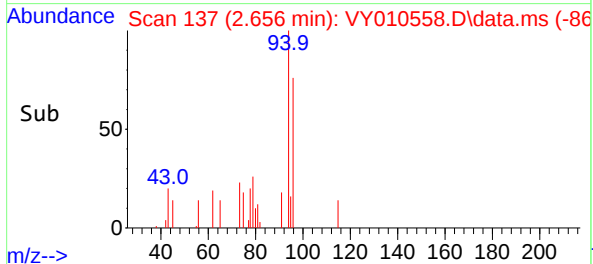
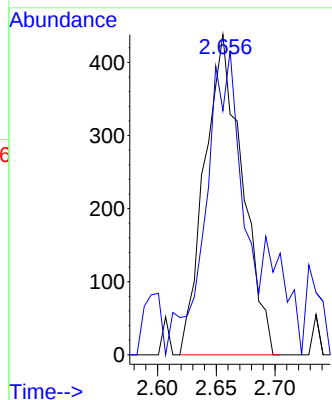
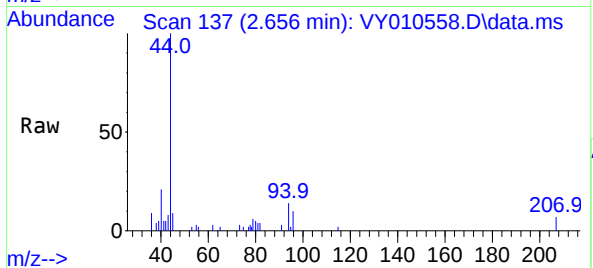




#5
Bromomethane
Concen: Below Cal
RT: 2.656 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY010558.D
Acq: 19 Sep 2022 18:01

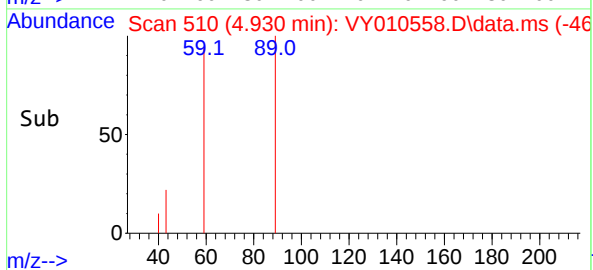
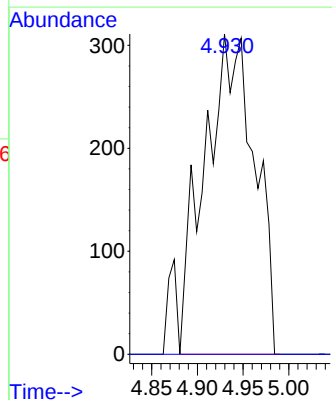
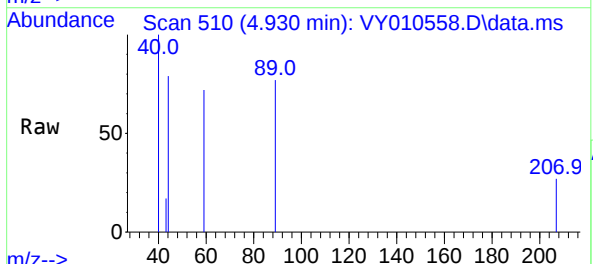
Instrument :
MSVOA_Y
ClientSampleId :
CAR-1948

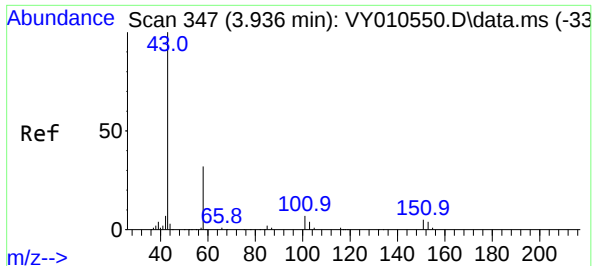
Tgt Ion: 94 Resp: 977
Ion Ratio Lower Upper
94 100
96 64.6 73.5 110.3#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.930 min Scan# 510
Delta R.T. -0.012 min
Lab File: VY010558.D
Acq: 19 Sep 2022 18:01

Tgt Ion: 59 Resp: 1187
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

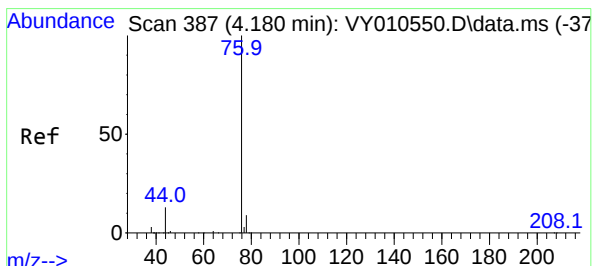
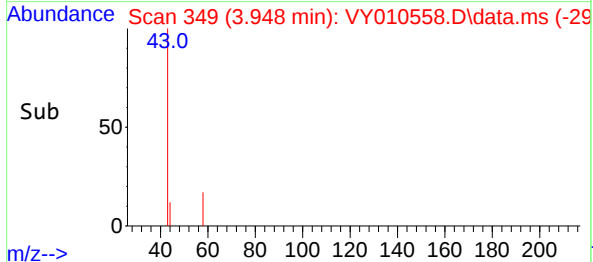
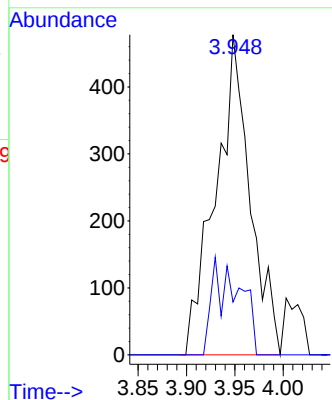
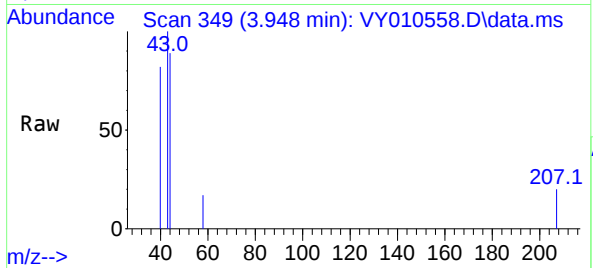




#16
Acetone
Concen: 3.203 ug/l
RT: 3.948 min Scan# 347
Delta R.T. 0.012 min
Lab File: VY010558.D
Acq: 19 Sep 2022 18:01

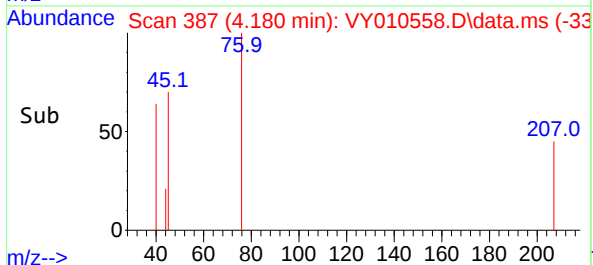
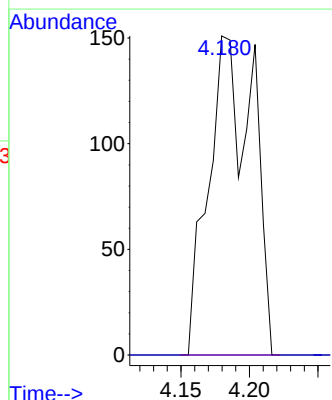
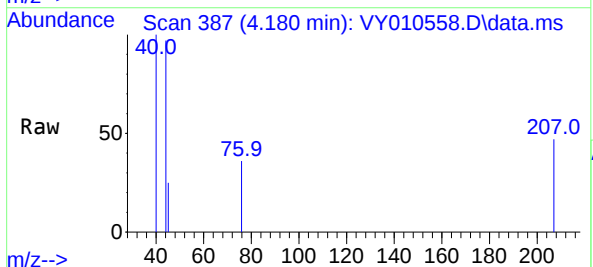
Instrument :
MSVOA_Y
ClientSampleId :
CAR-1948

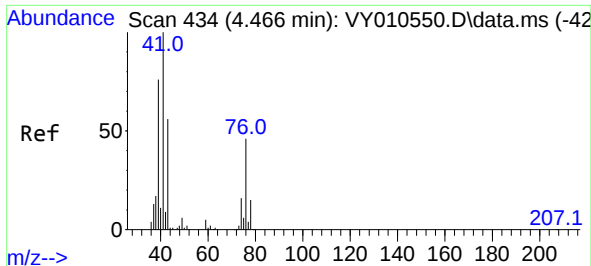
Tgt Ion: 43 Resp: 1189
Ion Ratio Lower Upper
43 100
58 16.5 22.0 33.0#



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.180 min Scan# 387
Delta R.T. -0.000 min
Lab File: VY010558.D
Acq: 19 Sep 2022 18:01

Tgt Ion: 76 Resp: 337
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#

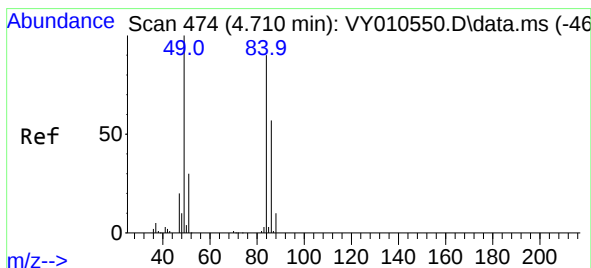
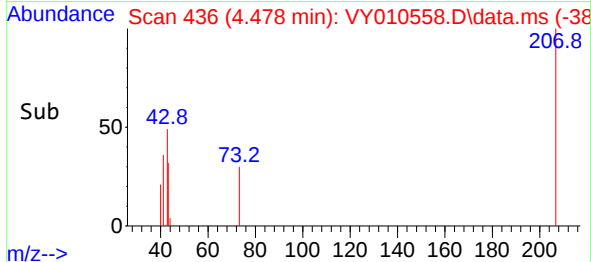
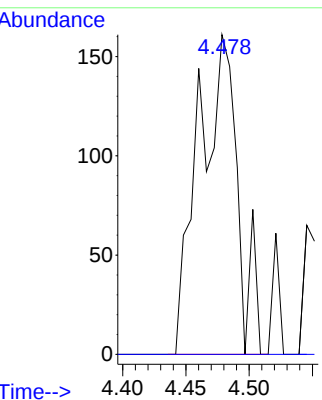
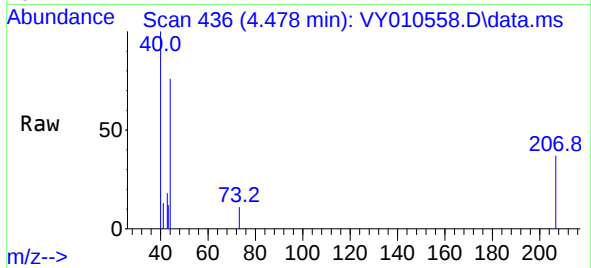




#18
Methyl Acetate
Concen: Below Cal
RT: 4.478 min Scan# 41
Delta R.T. 0.012 min
Lab File: VY010558.D
Acq: 19 Sep 2022 18:01

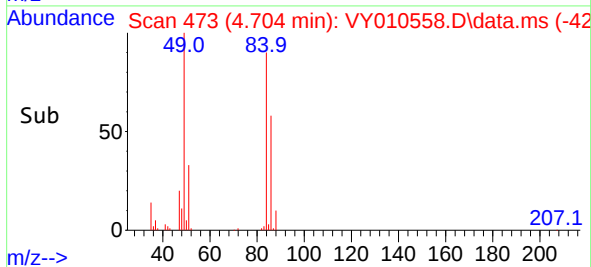
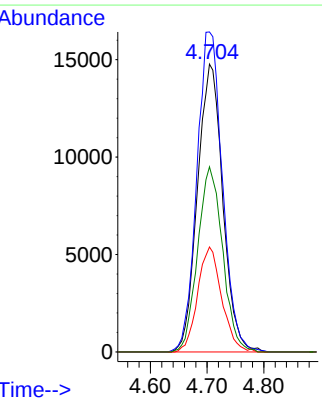
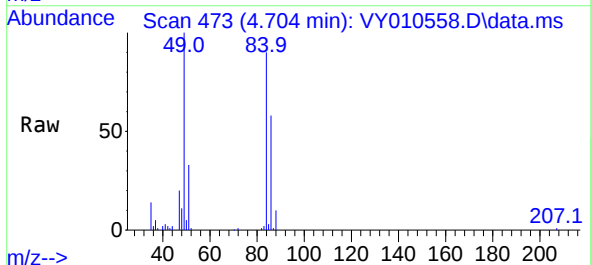
Instrument :
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ClientSampleId :
CAR-1948

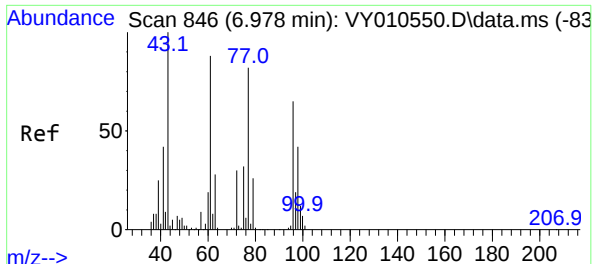
Tgt Ion: 43 Resp: 344
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: 14.848 ug/l
RT: 4.704 min Scan# 473
Delta R.T. -0.006 min
Lab File: VY010558.D
Acq: 19 Sep 2022 18:01

Tgt Ion: 84 Resp: 45818
Ion Ratio Lower Upper
84 100
49 111.2 114.4 171.6#
51 36.5 35.3 52.9
86 64.3 53.7 80.5





#25

2-Butanone

Concen: 2.165 ug/l

RT: 6.972 min Scan# 846

Delta R.T. -0.006 min

Lab File: VY010558.D

Acq: 19 Sep 2022 18:01

Instrument :

MSVOA_Y

ClientSampleId :

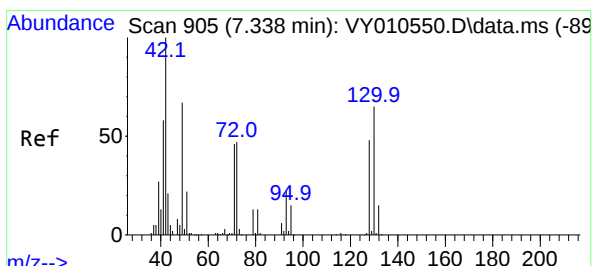
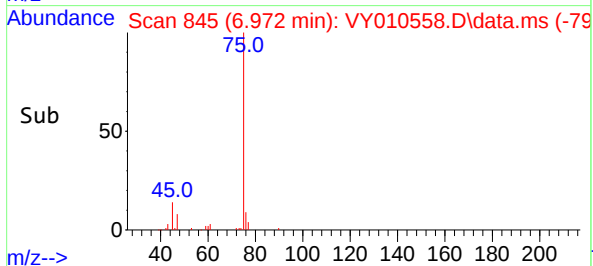
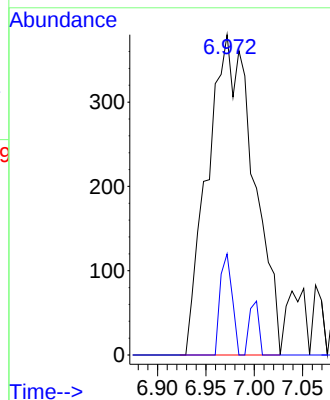
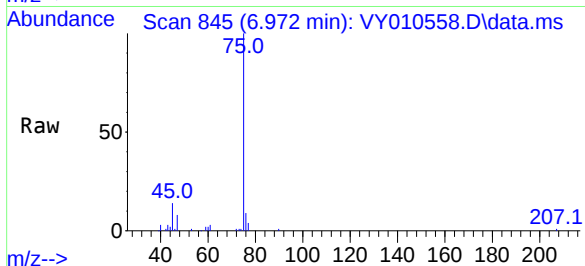
CAR-1948

Tgt Ion: 43 Resp: 1257

Ion Ratio Lower Upper

43 100

72 31.6 17.7 26.5#



#29

Tetrahydrofuran

Concen: 1.161 ug/l

RT: 7.344 min Scan# 906

Delta R.T. 0.006 min

Lab File: VY010558.D

Acq: 19 Sep 2022 18:01

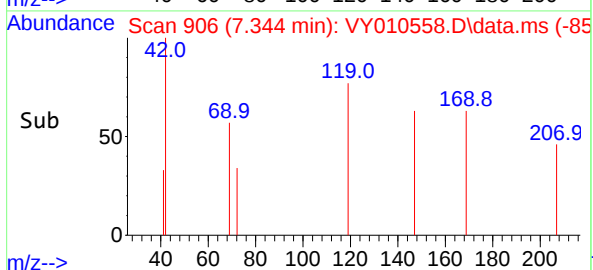
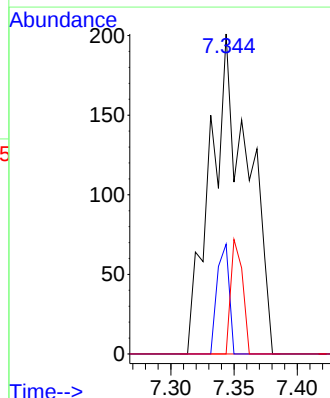
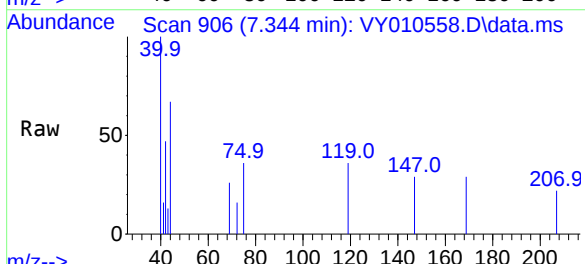
Tgt Ion: 42 Resp: 414

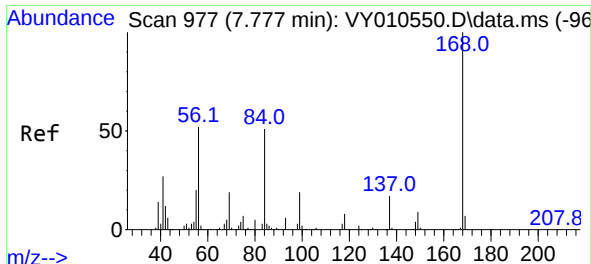
Ion Ratio Lower Upper

42 100

72 10.9 30.3 45.5#

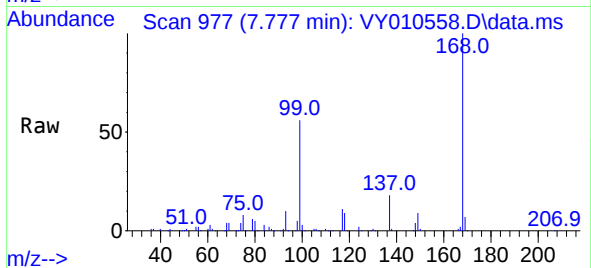
71 11.1 29.0 43.4#



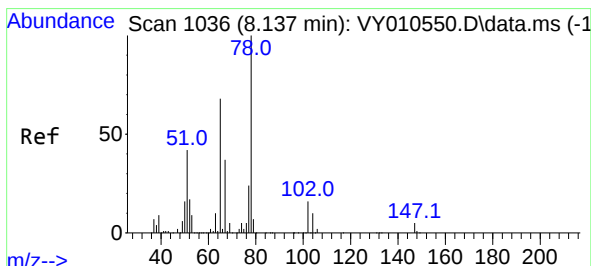
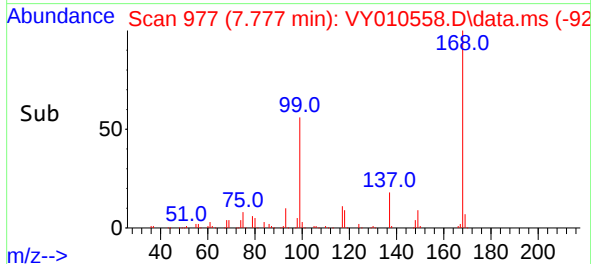
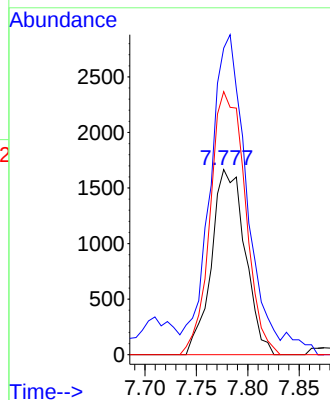


#31
Cyclohexane
Concen: Below Cal
RT: 7.777 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010558.D
Acq: 19 Sep 2022 18:01

Instrument :
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ClientSampleId :
CAR-1948

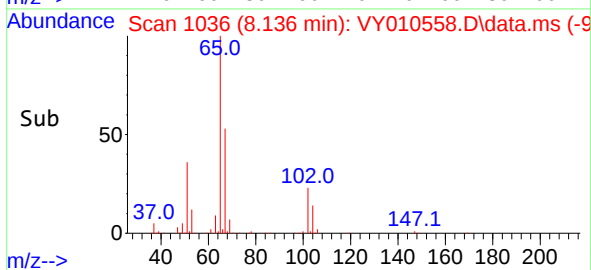
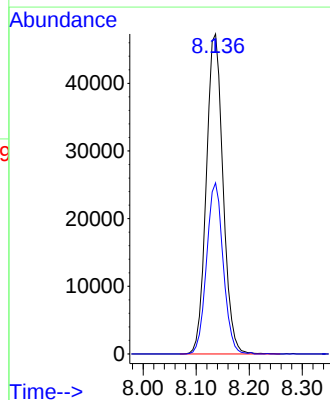
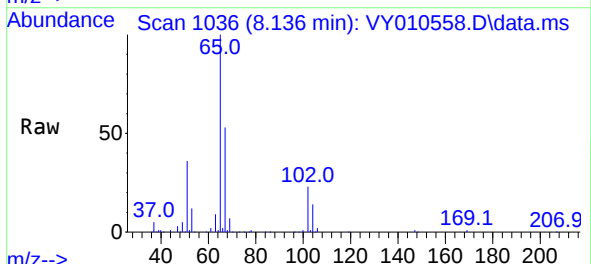


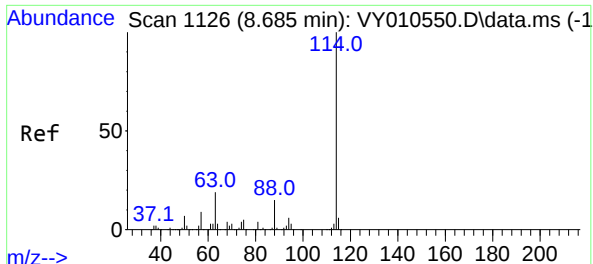
Tgt Ion: 56 Resp: 3785
Ion Ratio Lower Upper
56 100
69 157.9 26.7 40.1#
84 142.1 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 56.932 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.001 min
Lab File: VY010558.D
Acq: 19 Sep 2022 18:01

Tgt Ion: 65 Resp: 103622
Ion Ratio Lower Upper
65 100
67 53.0 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: VY010558.D

Acq: 19 Sep 2022 18:01

Instrument :

MSVOA_Y

ClientSampleId :

CAR-1948

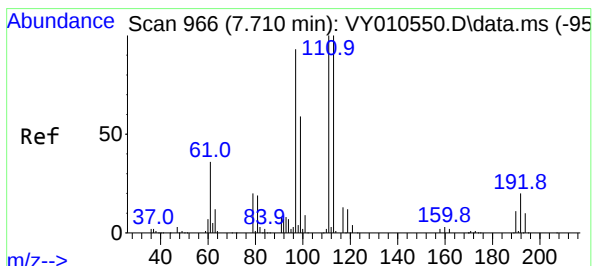
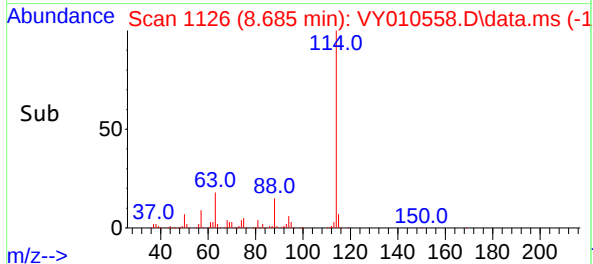
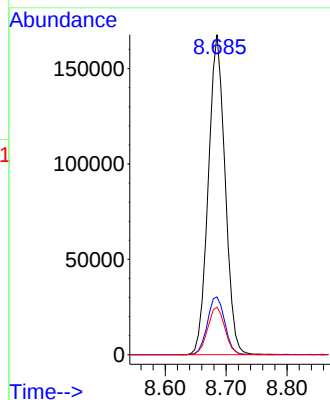
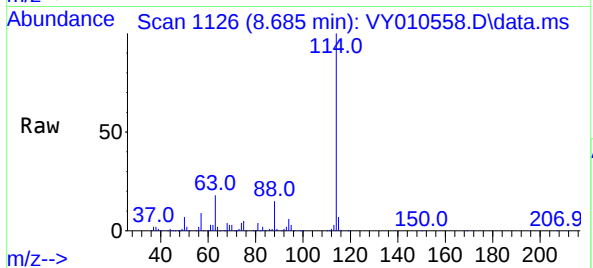
Tgt Ion:114 Resp: 320639

Ion Ratio Lower Upper

114 100

63 18.1 0.0 43.2

88 14.8 0.0 31.8



#35

Dibromofluoromethane

Concen: 48.191 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.000 min

Lab File: VY010558.D

Acq: 19 Sep 2022 18:01

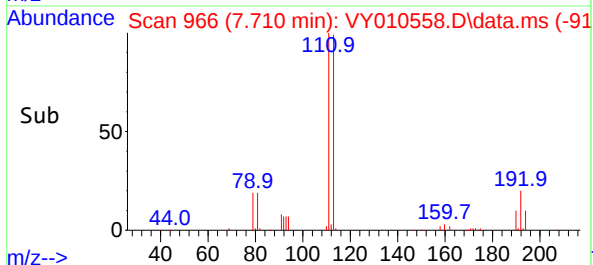
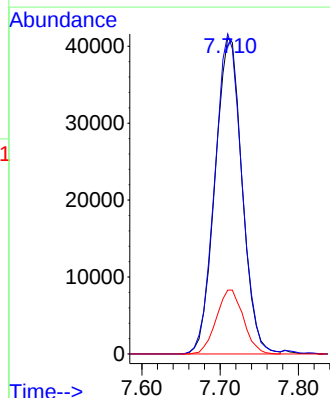
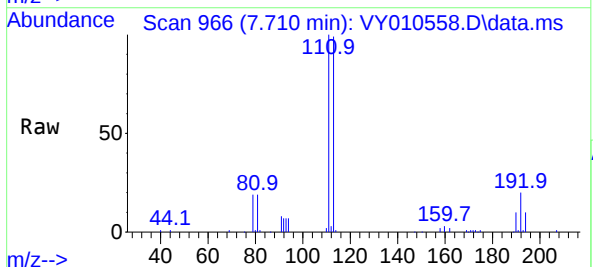
Tgt Ion:113 Resp: 98615

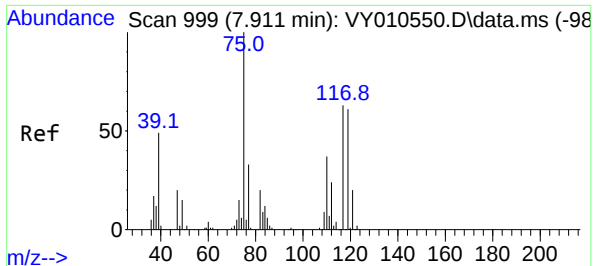
Ion Ratio Lower Upper

113 100

111 101.3 82.6 124.0

192 20.2 17.6 26.4





#36

1,1-Dichloropropene

Concen: 6.211 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY010558.D

Acq: 19 Sep 2022 18:01

Instrument :

MSVOA_Y

ClientSampleId :

CAR-1948

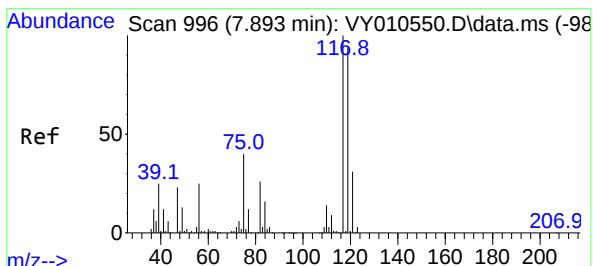
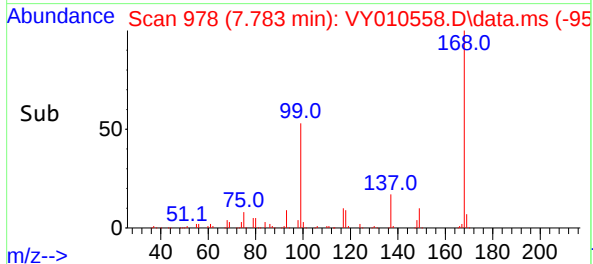
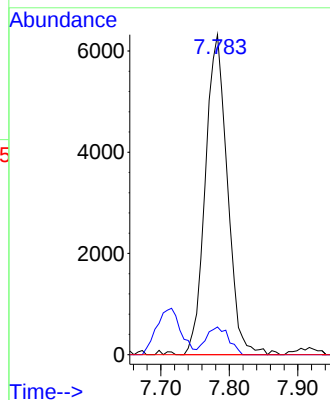
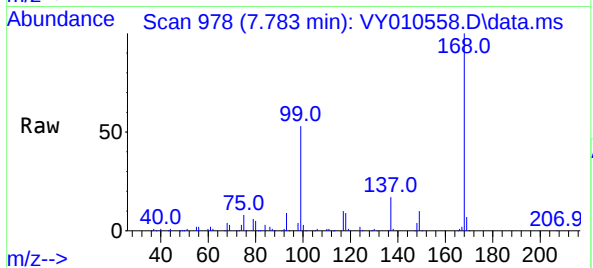
Tgt Ion: 75 Resp: 14162

Ion Ratio Lower Upper

75 100

110 8.9 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 7.163 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.110 min

Lab File: VY010558.D

Acq: 19 Sep 2022 18:01

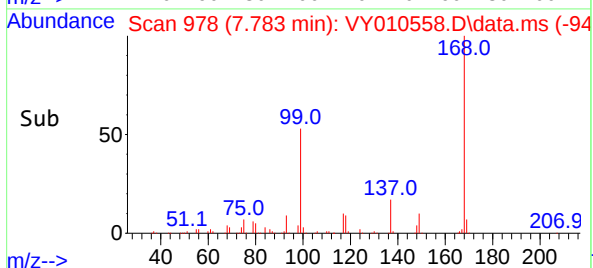
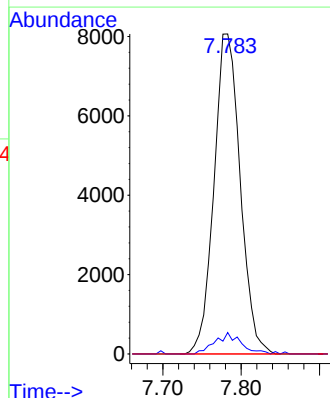
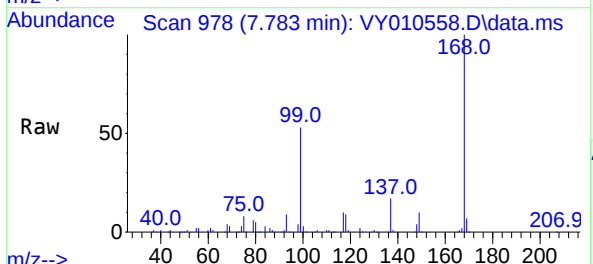
Tgt Ion: 117 Resp: 18778

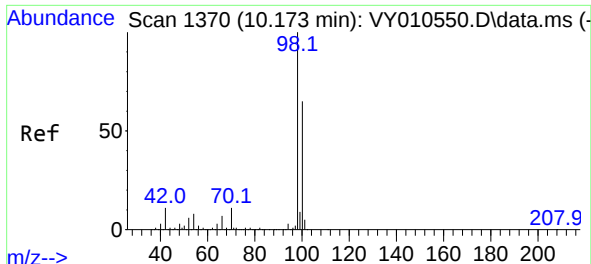
Ion Ratio Lower Upper

117 100

119 6.7 77.9 116.9#

121 0.0 24.8 37.2#

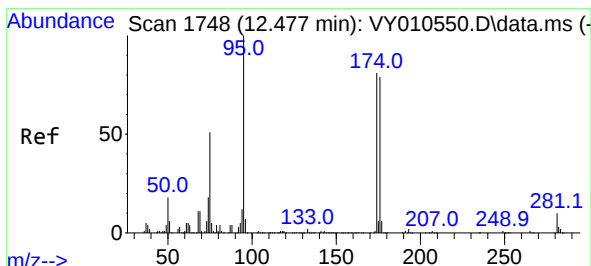
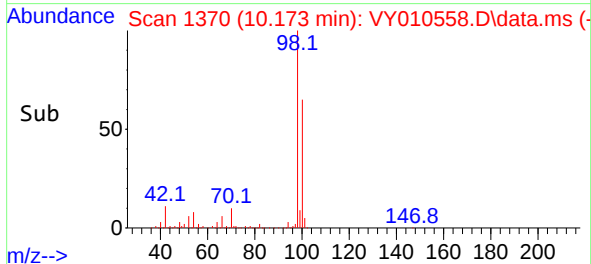
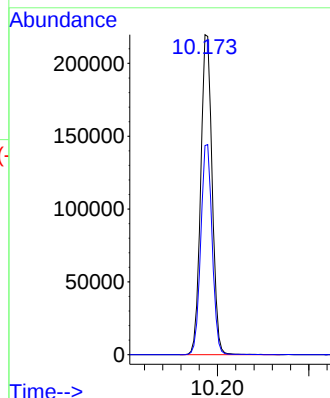
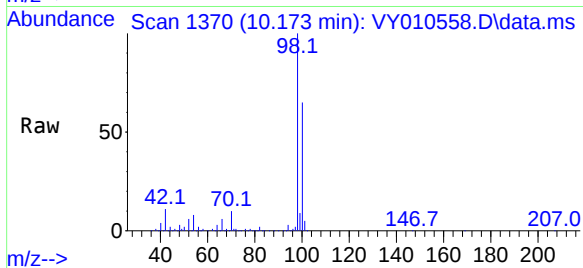




#50
Toluene-d8
Concen: 50.260 ug/l
RT: 10.173 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY010558.D
Acq: 19 Sep 2022 18:01

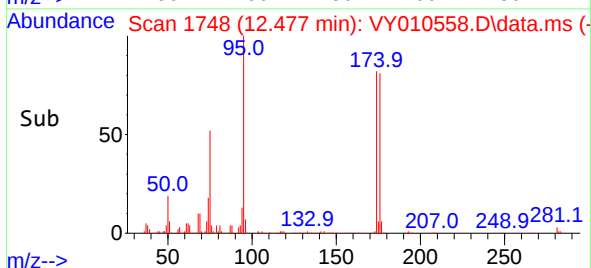
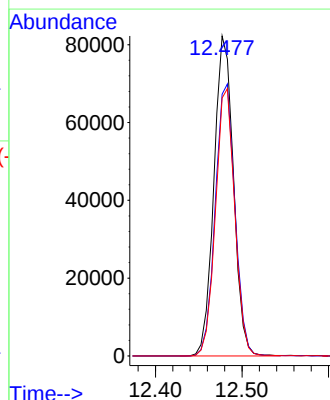
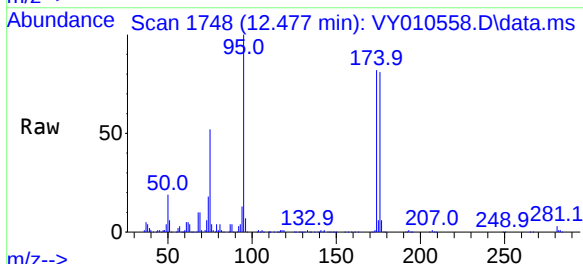
Instrument :
MSVOA_Y
ClientSampleId :
CAR-1948

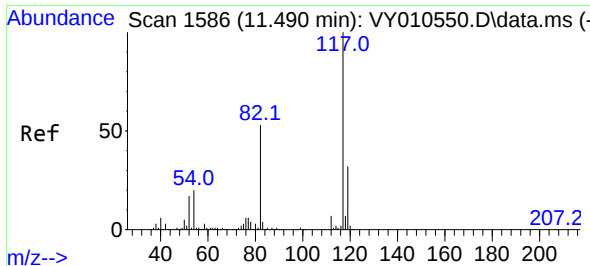
Tgt Ion: 98 Resp: 380235
Ion Ratio Lower Upper
98 100
100 65.4 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 45.676 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY010558.D
Acq: 19 Sep 2022 18:01

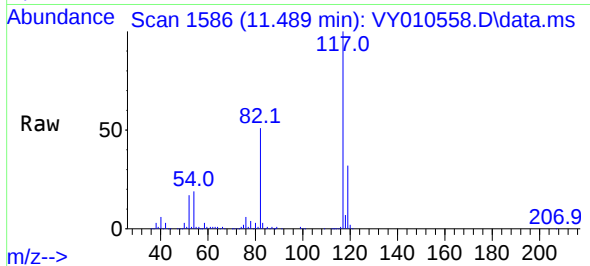
Tgt Ion: 95 Resp: 128856
Ion Ratio Lower Upper
95 100
174 85.5 0.0 177.0
176 82.4 0.0 175.8



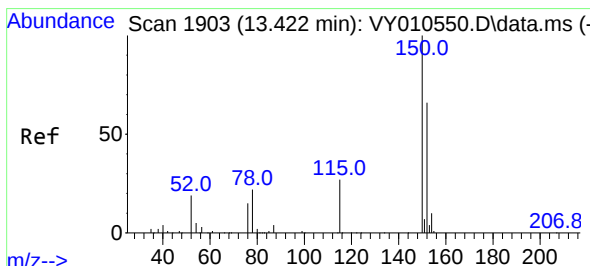
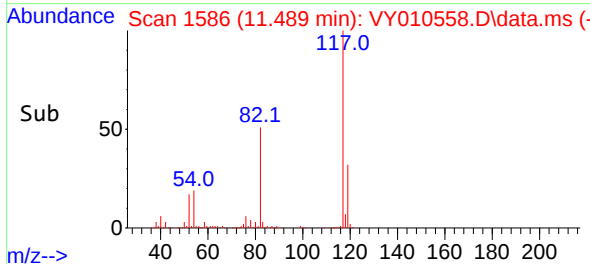
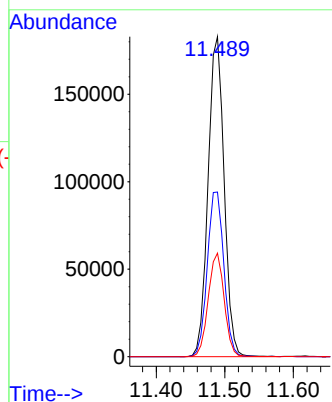


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. -0.001 min
Lab File: VY010558.D
Acq: 19 Sep 2022 18:01

Instrument :
MSVOA_Y
ClientSampleId :
CAR-1948

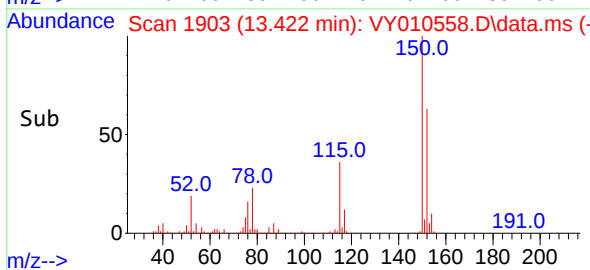
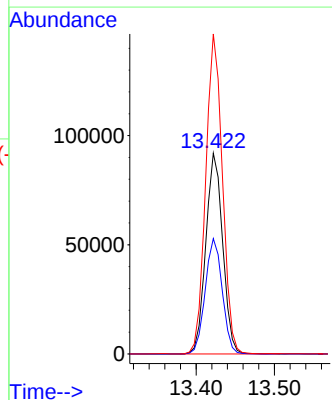
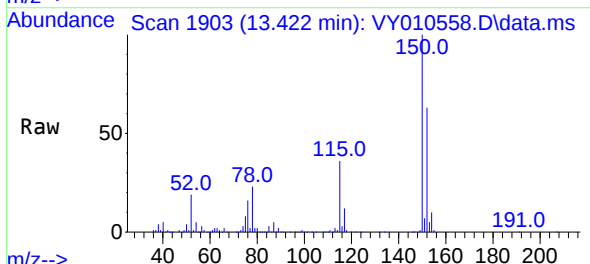


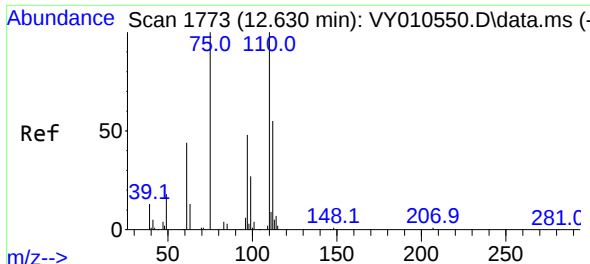
Tgt Ion:117 Resp: 298489
Ion Ratio Lower Upper
117 100
82 51.4 43.0 64.4
119 32.3 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY010558.D
Acq: 19 Sep 2022 18:01

Tgt Ion:152 Resp: 137583
Ion Ratio Lower Upper
152 100
115 57.8 28.2 84.7
150 157.5 0.0 347.6

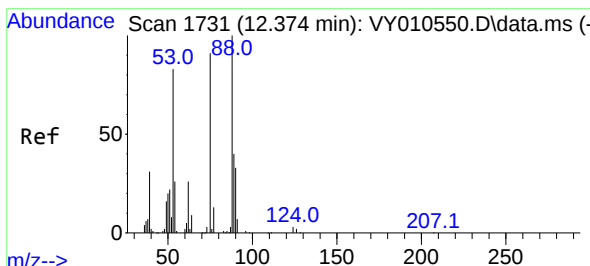
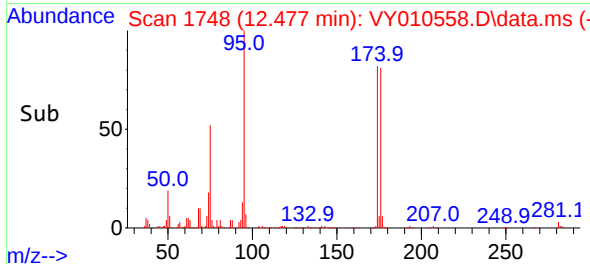
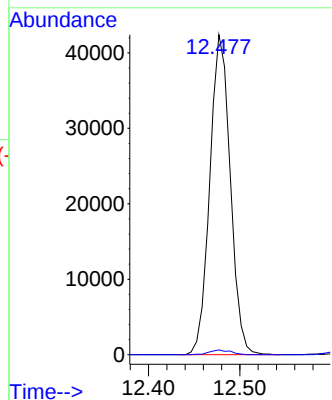
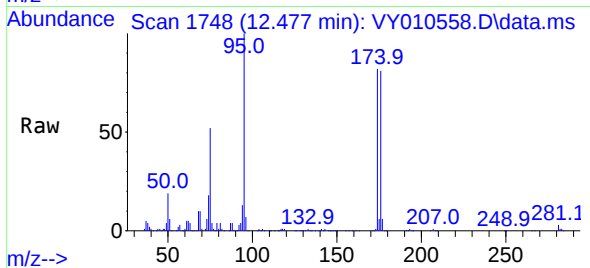




#76
1,2,3-Trichloropropane
Concen: 50.203 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY010558.D
Acq: 19 Sep 2022 18:01

Instrument :
MSVOA_Y
ClientSampleId :
CAR-1948

Tgt Ion: 75 Resp: 65923
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 111.622 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.103 min
Lab File: VY010558.D
Acq: 19 Sep 2022 18:01

Tgt Ion: 75 Resp: 65923
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.1 37.0 55.4#

