

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092122\
 Data File : VY010604.D
 Acq On : 21 Sep 2022 17:18
 Operator : KP/MD
 Sample : N4707-01
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 22 06:11:01 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)

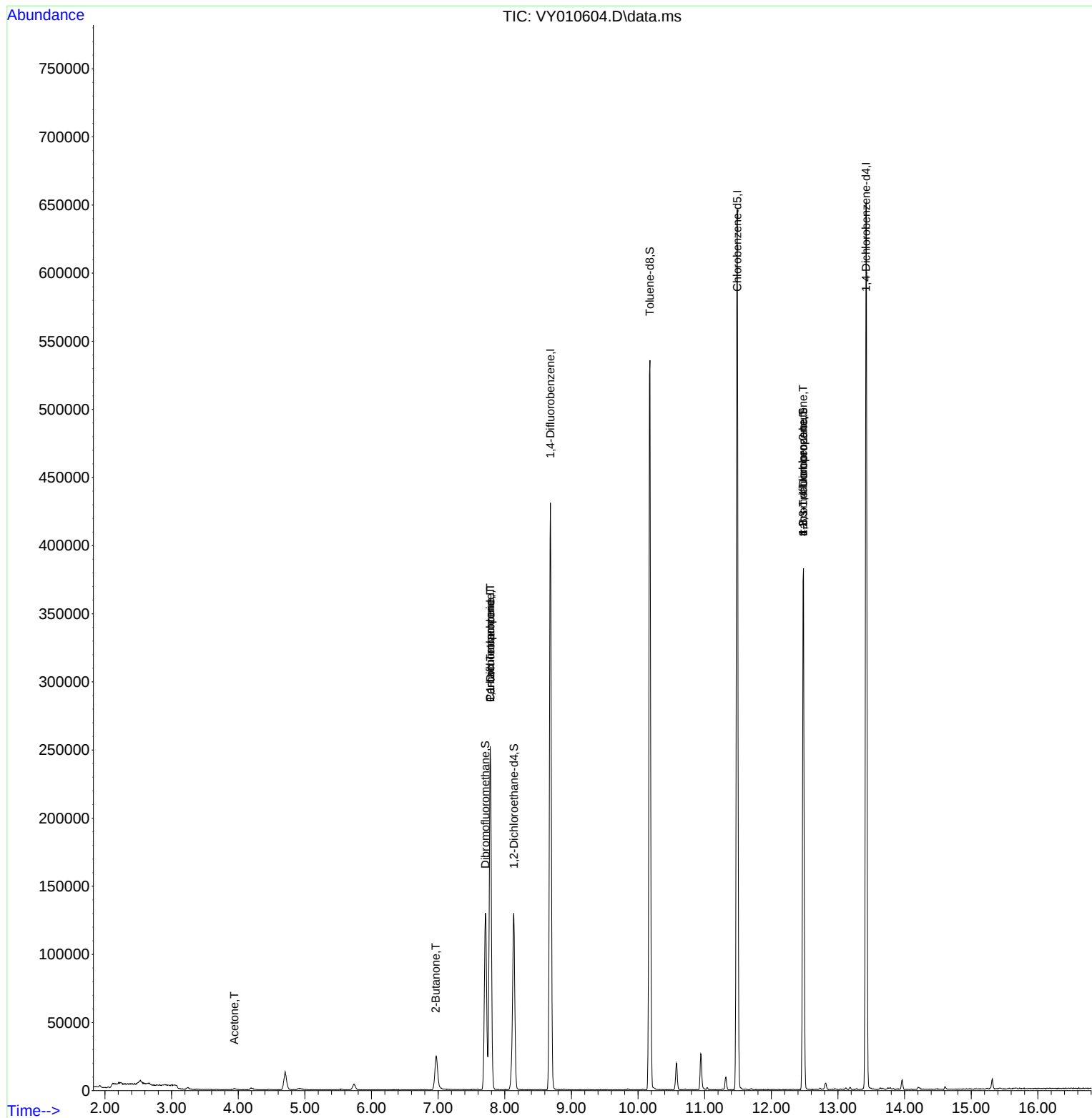
Internal Standards						
1) Pentafluorobenzene	7.783	168	195070	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	366243	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	360997	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	164504	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	97005	51.991	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.980%	
35) Dibromofluoromethane	7.710	113	92079	39.394	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 78.780%	
50) Toluene-d8	10.179	98	356424	41.806	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 83.620%	
62) 4-Bromofluorobenzene	12.477	95	114774	34.990	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 69.980%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	79	Below Cal	#	43
3) Chloromethane	2.107	50	570	Below Cal	#	60
4) Vinyl Chloride	2.247	62	20	Below Cal	#	43
5) Bromomethane	2.643	94	125	Below Cal	#	67
11) Tert butyl alcohol	4.930	59	977	Below Cal	#	77
16) Acetone	3.942	43	1702	4.473	ug/l #	87
17) Carbon Disulfide	4.174	76	186	Below Cal	#	75
18) Methyl Acetate	4.472	43	598	Below Cal	#	56
20) Methylene Chloride	4.704	84	9281	Below Cal		87
25) 2-Butanone	6.966	43	1481	2.489	ug/l #	85
31) Cyclohexane	7.777	56	4013	Below Cal	#	3
36) 1,1-Dichloropropene	7.783	75	14958	5.744	ug/l #	51
38) Carbon Tetrachloride	7.783	117	19464	6.500	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	60693	38.656	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	60693	85.949	ug/l #	7

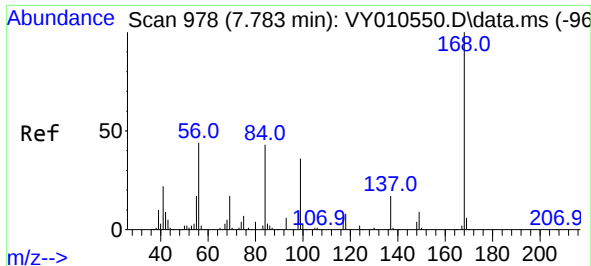
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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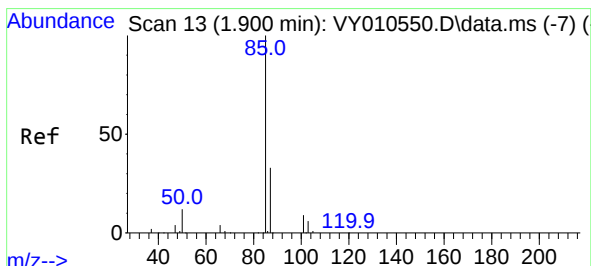
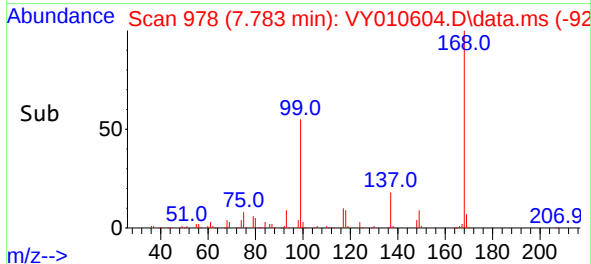
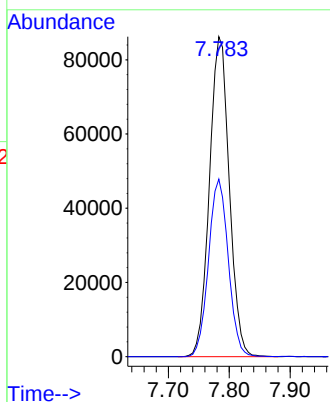
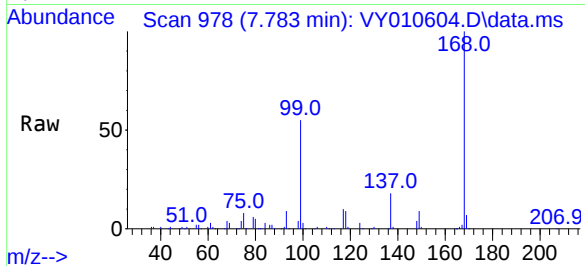




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010604.D
Acq: 21 Sep 2022 17:18

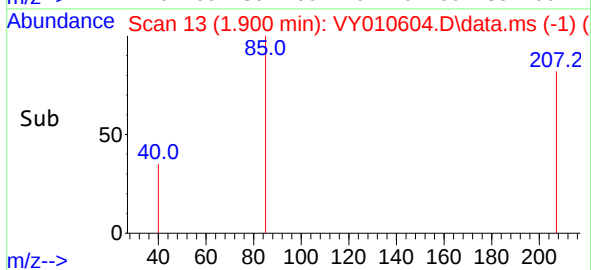
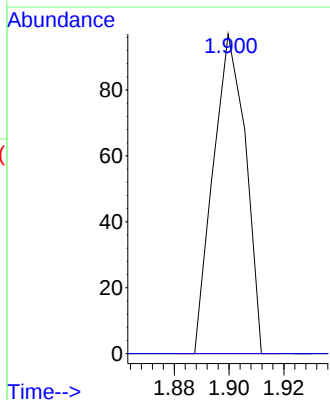
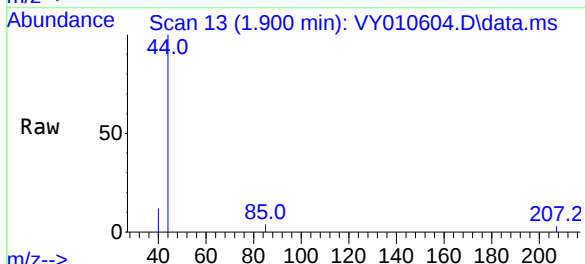
Instrument :
MSVOA_Y
ClientSampleId :

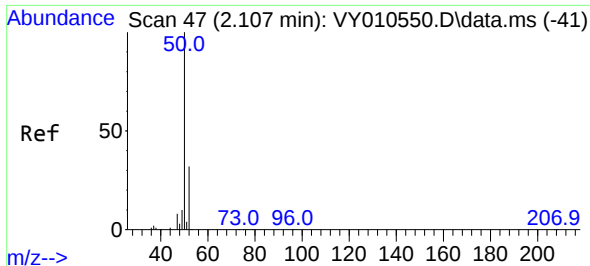
Tgt Ion:168 Resp: 195070
Ion Ratio Lower Upper
168 100
99 55.5 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY010604.D
Acq: 21 Sep 2022 17:18

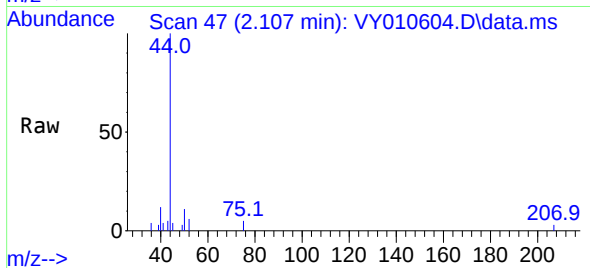
Tgt Ion: 85 Resp: 79
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#



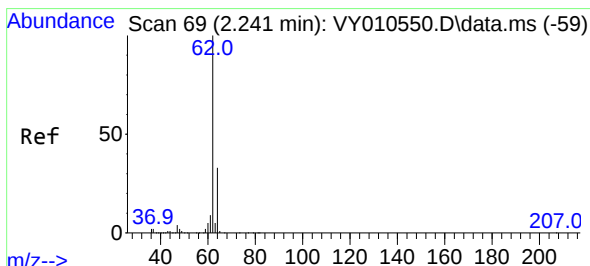
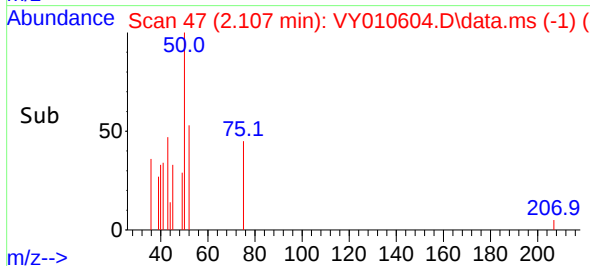
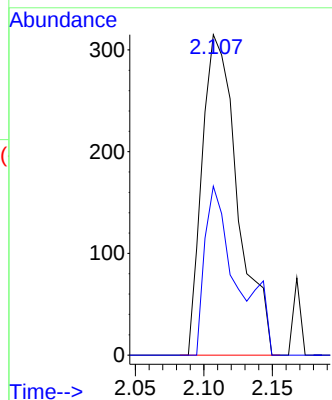


#3
Chloromethane
Concen: Below Cal
RT: 2.107 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY010604.D
Acq: 21 Sep 2022 17:18

Instrument :
MSVOA_Y
ClientSampleId :

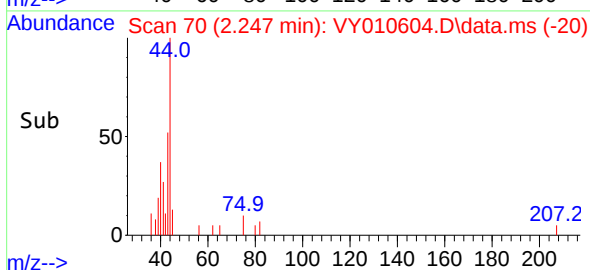
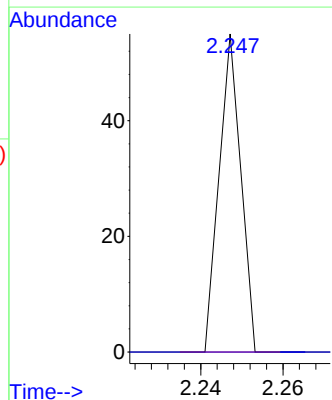
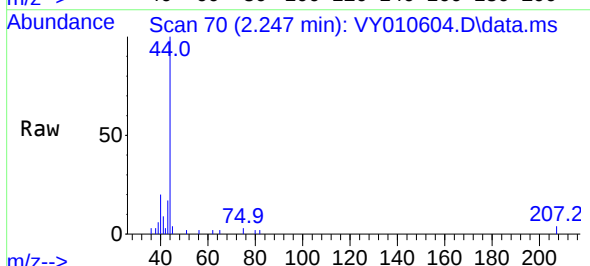


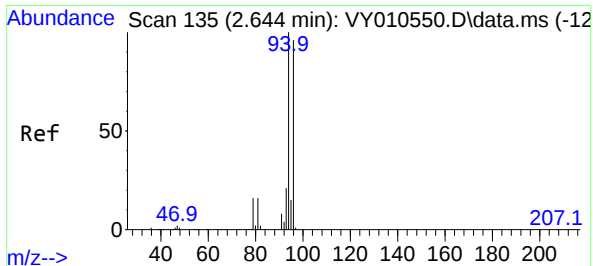
Tgt Ion: 50 Resp: 570
Ion Ratio Lower Upper
50 100
52 52.7 24.6 37.0#



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.247 min Scan# 70
Delta R.T. 0.006 min
Lab File: VY010604.D
Acq: 21 Sep 2022 17:18

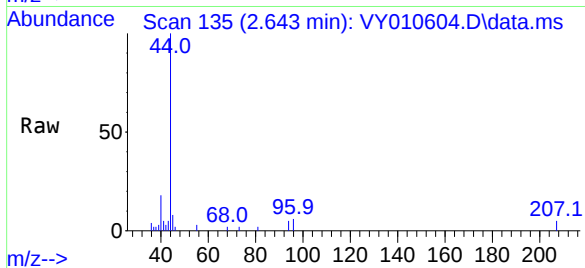
Tgt Ion: 62 Resp: 20
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#



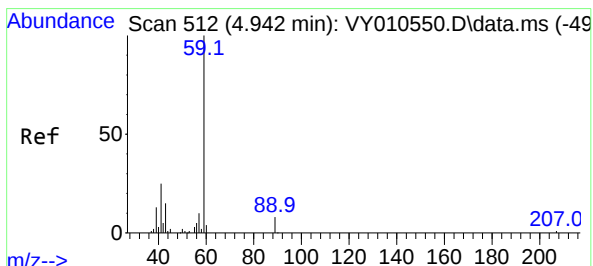
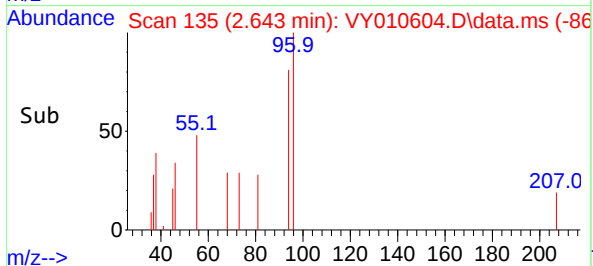
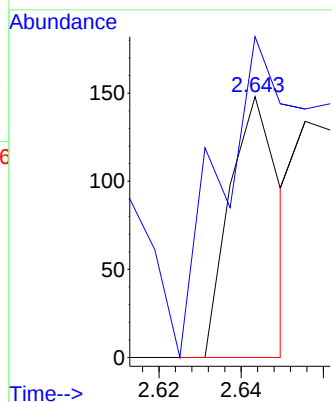


#5
Bromomethane
Concen: Below Cal
RT: 2.643 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY010604.D
Acq: 21 Sep 2022 17:18

Instrument :
MSVOA_Y
ClientSampleId :

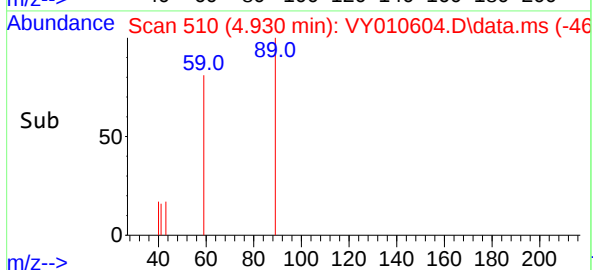
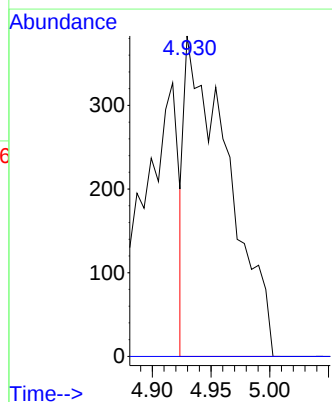
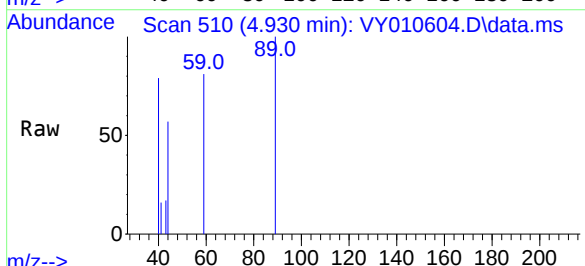


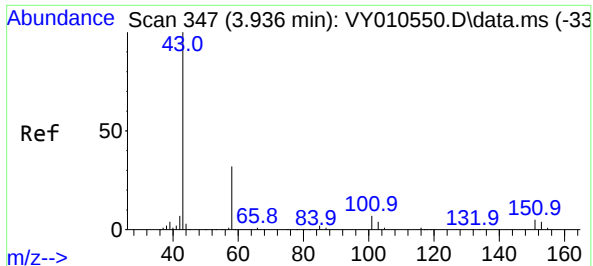
Tgt Ion: 94 Resp: 125
Ion Ratio Lower Upper
94 100
96 123.0 73.5 110.3#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.930 min Scan# 510
Delta R.T. -0.012 min
Lab File: VY010604.D
Acq: 21 Sep 2022 17:18

Tgt Ion: 59 Resp: 977
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

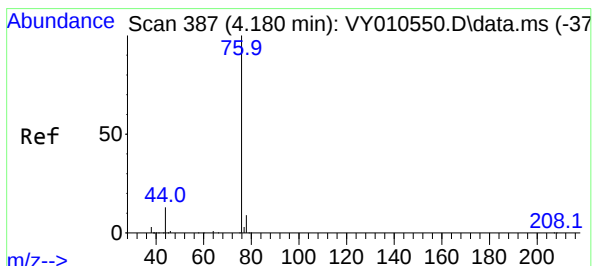
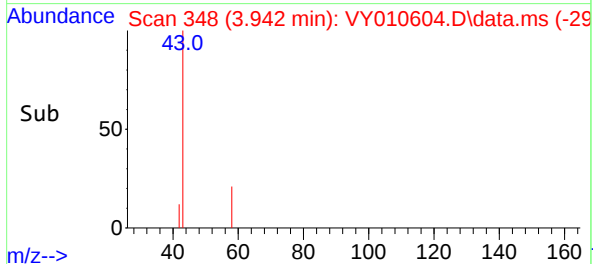
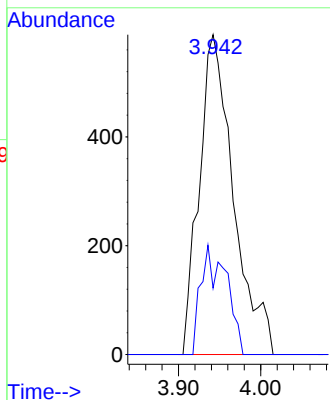
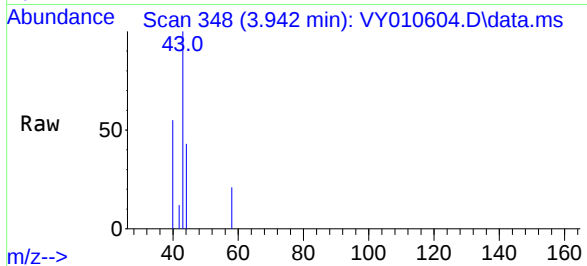




#16
Acetone
Concen: 4.473 ug/l
RT: 3.942 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY010604.D
Acq: 21 Sep 2022 17:18

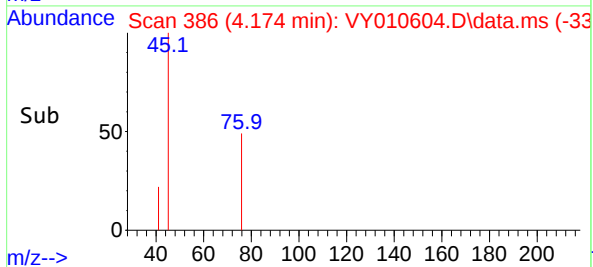
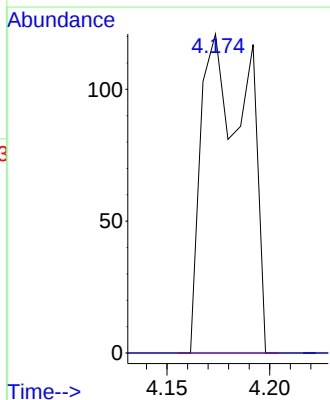
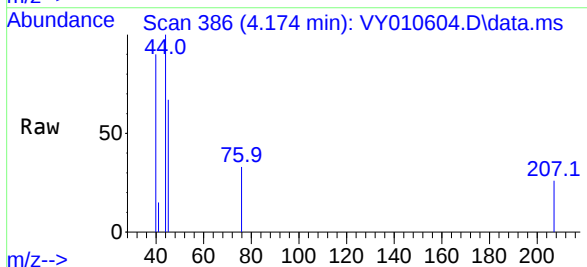
Instrument :
MSVOA_Y
ClientSampleId :

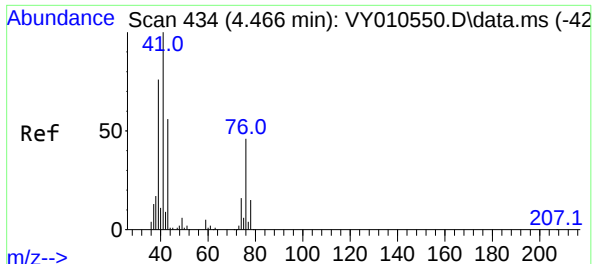
Tgt Ion: 43 Resp: 1702
Ion Ratio Lower Upper
43 100
58 20.7 22.0 33.0#



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.174 min Scan# 386
Delta R.T. -0.006 min
Lab File: VY010604.D
Acq: 21 Sep 2022 17:18

Tgt Ion: 76 Resp: 186
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#





#18

Methyl Acetate

Concen: Below Cal

RT: 4.472 min Scan# 41

Delta R.T. 0.006 min

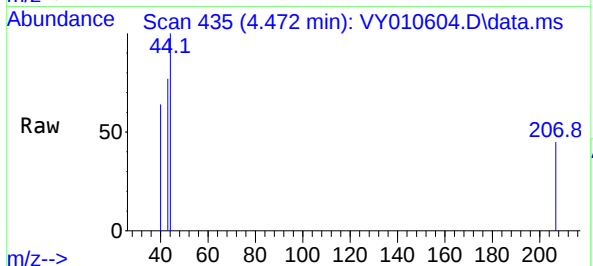
Lab File: VY010604.D

Acq: 21 Sep 2022 17:18

Instrument :

MSVOA_Y

ClientSampleId :

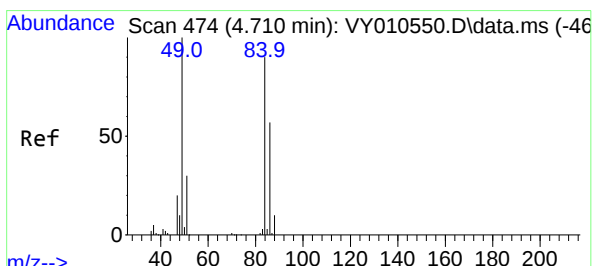
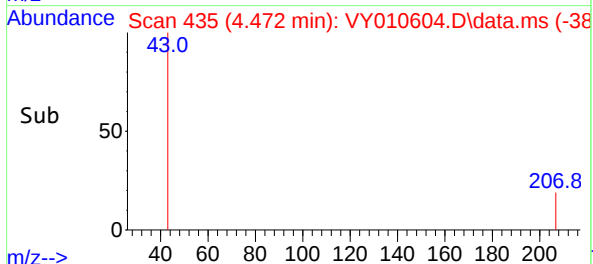
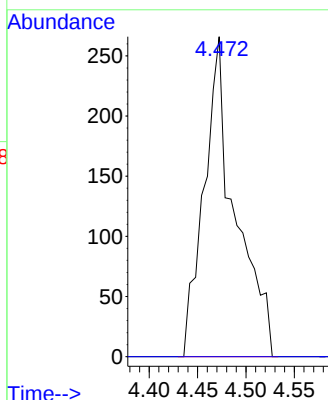


Tgt Ion: 43 Resp: 598

Ion Ratio Lower Upper

43 100

74 0.0 16.6 24.8#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.704 min Scan# 473

Delta R.T. -0.006 min

Lab File: VY010604.D

Acq: 21 Sep 2022 17:18

Tgt Ion: 84 Resp: 9281

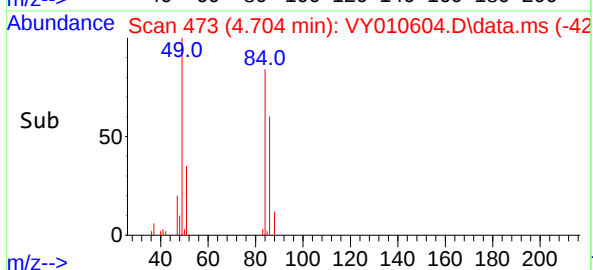
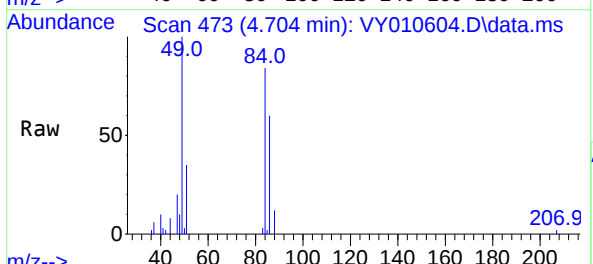
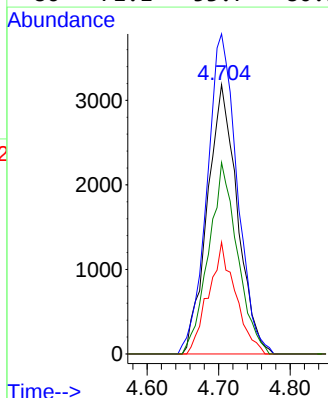
Ion Ratio Lower Upper

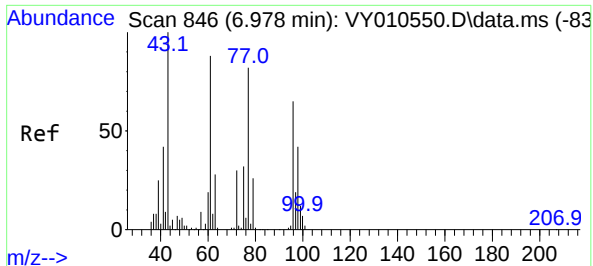
84 100

49 118.9 114.4 171.6

51 41.5 35.3 52.9

86 71.1 53.7 80.5





#25

2-Butanone

Concen: 2.489 ug/l

RT: 6.966 min Scan# 846

Delta R.T. -0.012 min

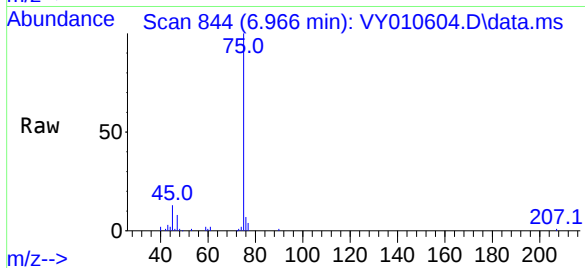
Lab File: VY010604.D

Acq: 21 Sep 2022 17:18

Instrument :

MSVOA_Y

ClientSampleId :

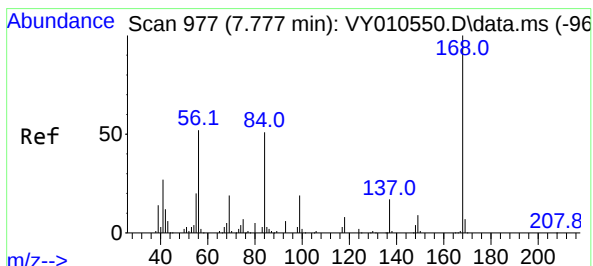
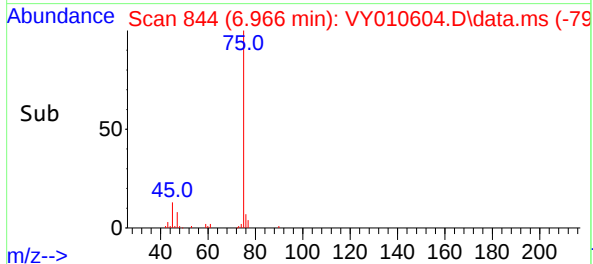
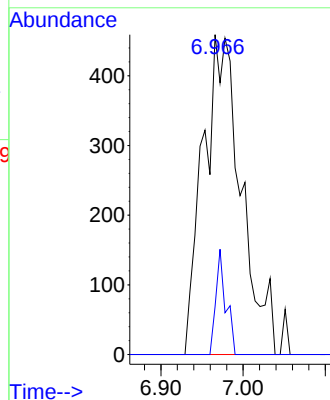


Tgt Ion: 43 Resp: 1481

Ion Ratio Lower Upper

43 100

72 15.0 17.7 26.5#



#31

Cyclohexane

Concen: Below Cal

RT: 7.777 min Scan# 977

Delta R.T. -0.000 min

Lab File: VY010604.D

Acq: 21 Sep 2022 17:18

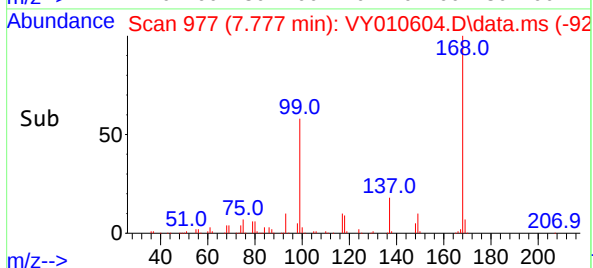
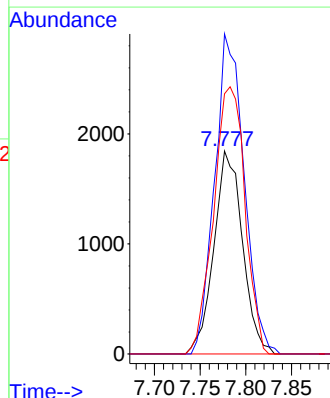
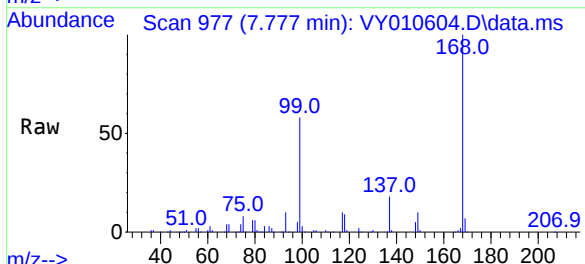
Tgt Ion: 56 Resp: 4013

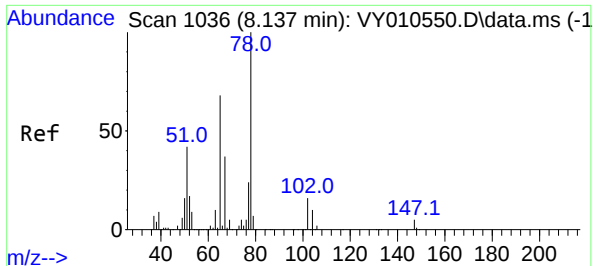
Ion Ratio Lower Upper

56 100

69 157.7 26.7 40.1#

84 128.3 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 51.991 ug/l

RT: 8.136 min Scan# 1103

Delta R.T. -0.001 min

Lab File: VY010604.D

Acq: 21 Sep 2022 17:18

Instrument :

MSVOA_Y

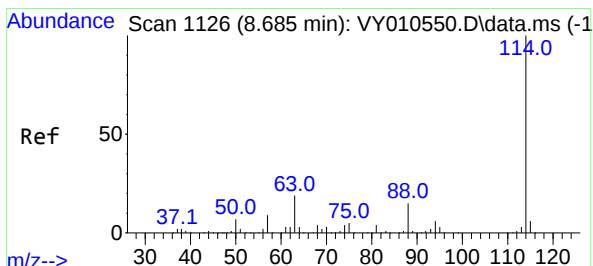
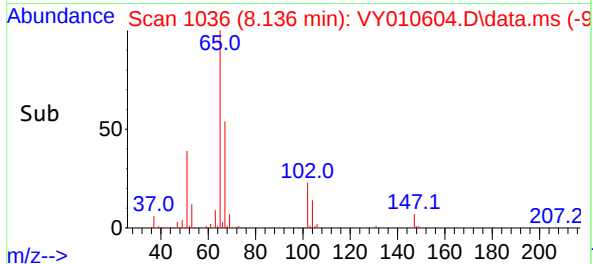
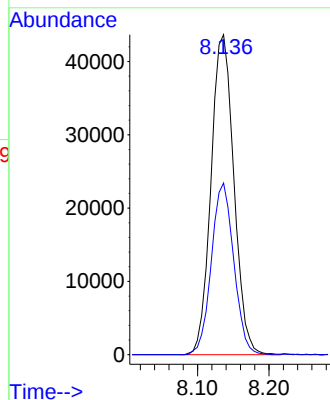
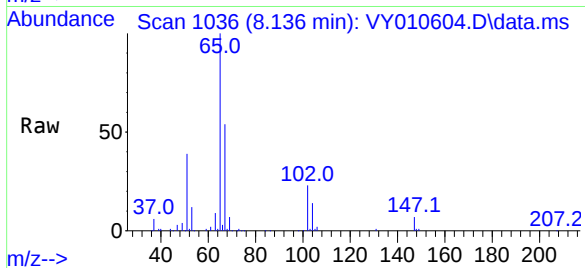
ClientSampleId :

Tgt Ion: 65 Resp: 97005

Ion Ratio Lower Upper

65 100

67 52.5 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: VY010604.D

Acq: 21 Sep 2022 17:18

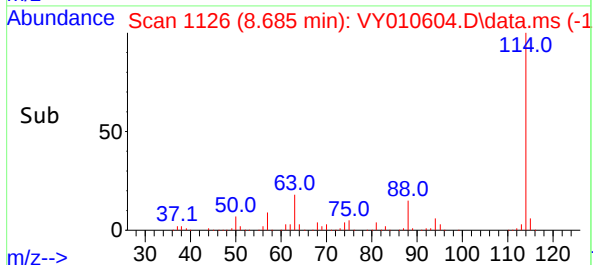
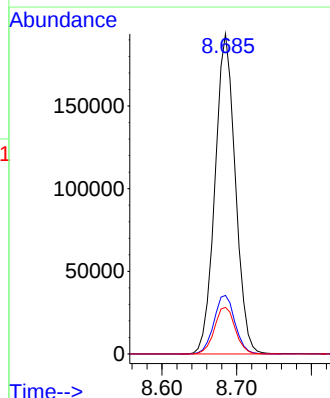
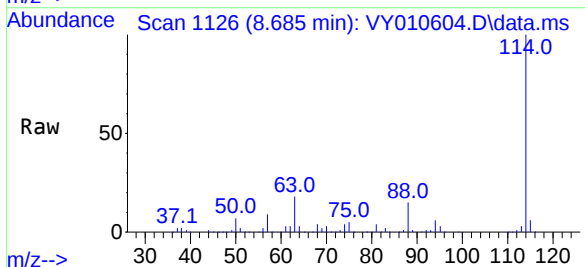
Tgt Ion: 114 Resp: 366243

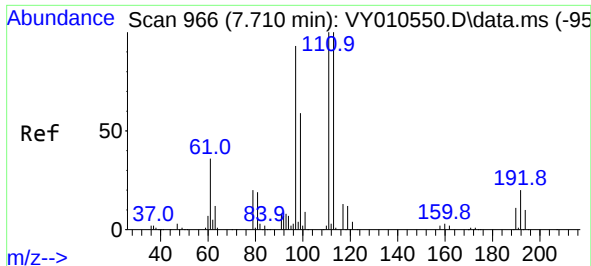
Ion Ratio Lower Upper

114 100

63 18.3 0.0 43.2

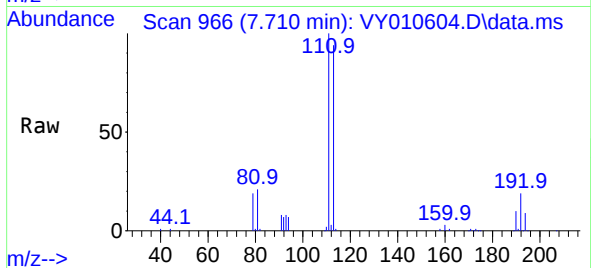
88 14.6 0.0 31.8





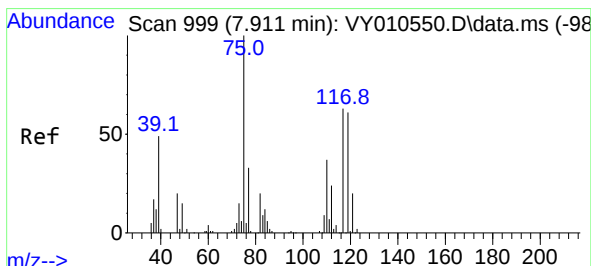
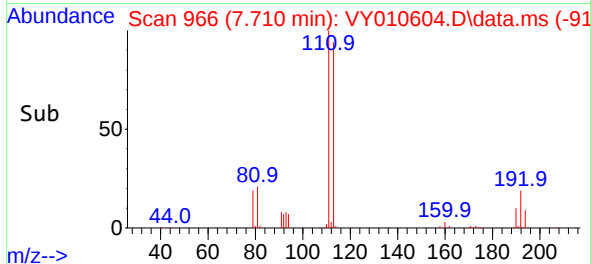
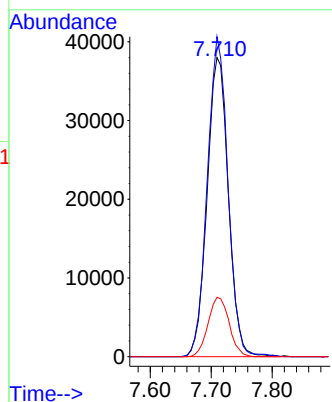
#35
Dibromofluoromethane
Concen: 39.394 ug/l
RT: 7.710 min Scan# 910
Delta R.T. -0.000 min
Lab File: VY010604.D
Acq: 21 Sep 2022 17:18

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:113 Resp: 92079

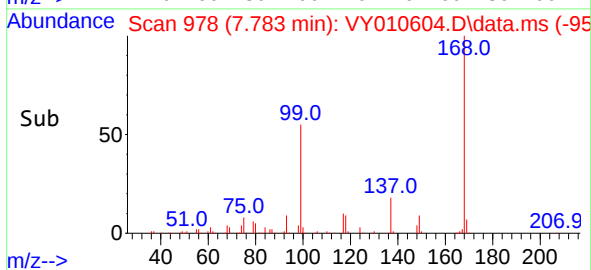
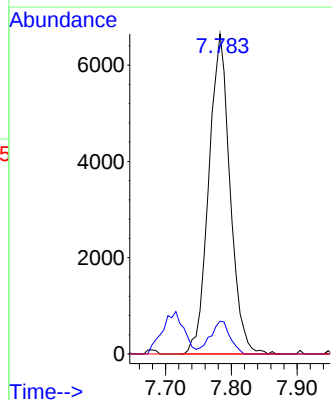
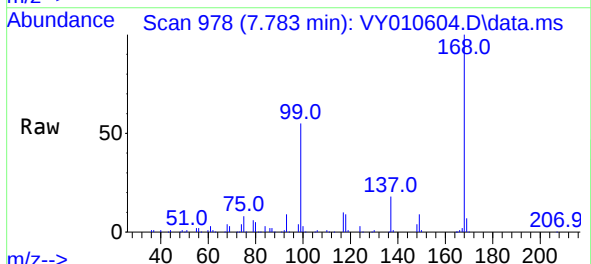
Ion	Ratio	Lower	Upper
113	100		
111	104.1	82.6	124.0
192	19.7	17.6	26.4

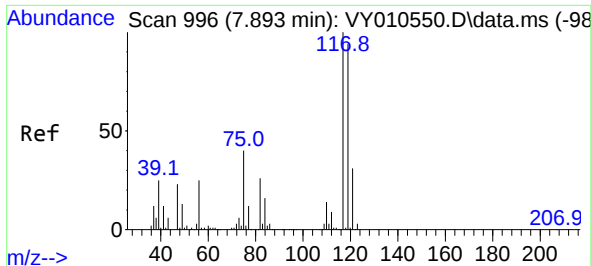


#36
1,1-Dichloropropene
Concen: 5.744 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY010604.D
Acq: 21 Sep 2022 17:18

Tgt Ion: 75 Resp: 14958

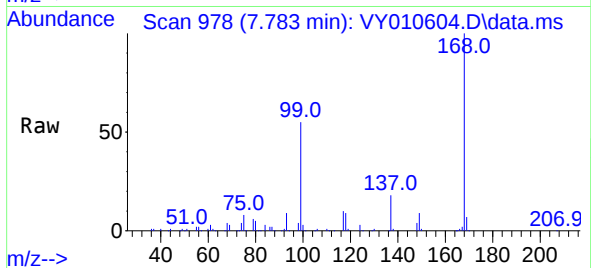
Ion	Ratio	Lower	Upper
75	100		
110	9.6	17.1	51.2#
77	0.0	24.4	36.6#



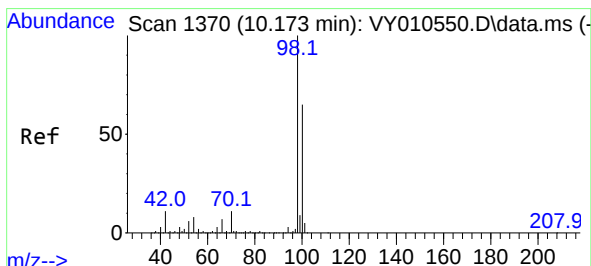
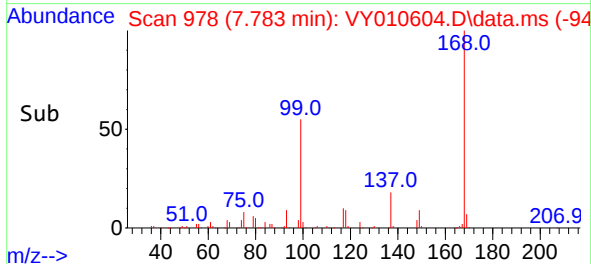
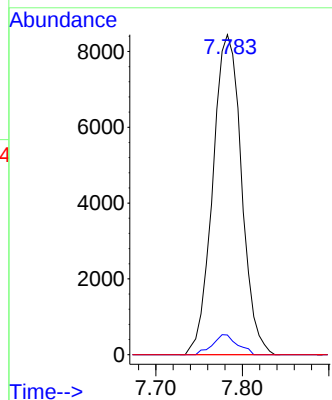


#38
Carbon Tetrachloride
Concen: 6.500 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY010604.D
Acq: 21 Sep 2022 17:18

Instrument :
MSVOA_Y
ClientSampleId :

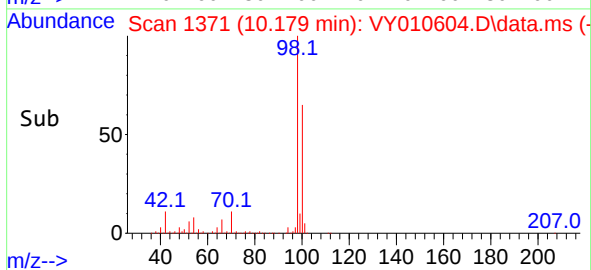
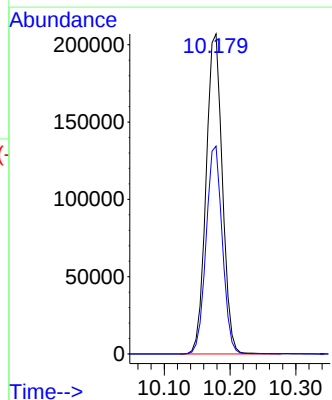
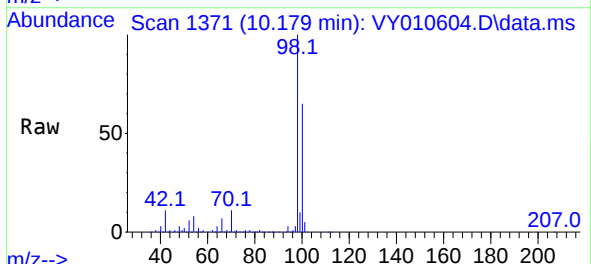


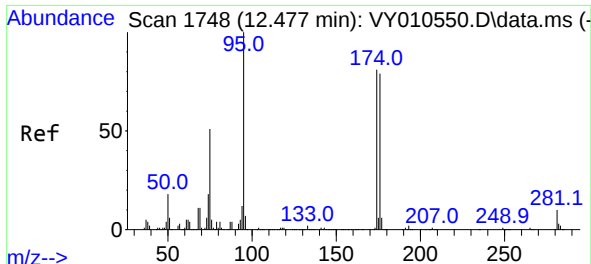
Tgt Ion:117 Resp: 19464
Ion Ratio Lower Upper
117 100
119 6.1 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 41.806 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.006 min
Lab File: VY010604.D
Acq: 21 Sep 2022 17:18

Tgt Ion: 98 Resp: 356424
Ion Ratio Lower Upper
98 100
100 64.8 50.2 75.2





#62

4-Bromofluorobenzene

Concen: 34.990 ug/l

RT: 12.477 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY010604.D

Acq: 21 Sep 2022 17:18

Instrument :

MSVOA_Y

ClientSampleId :

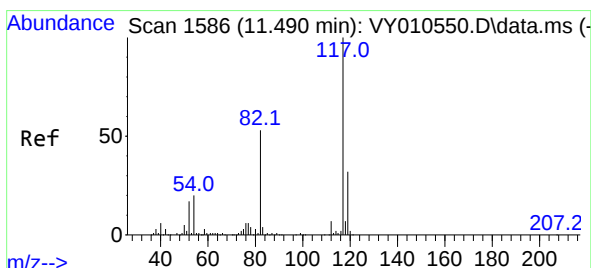
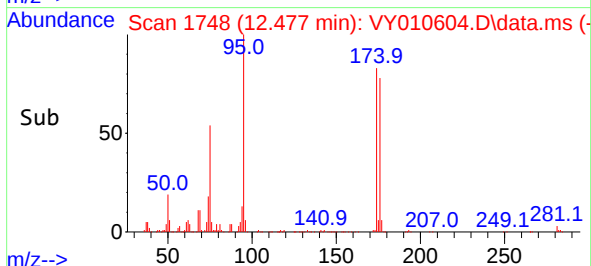
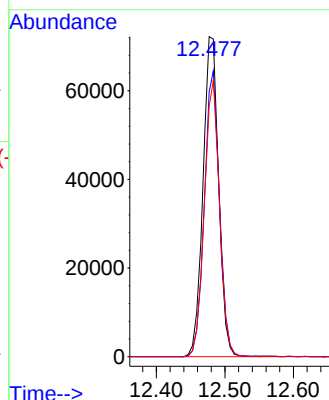
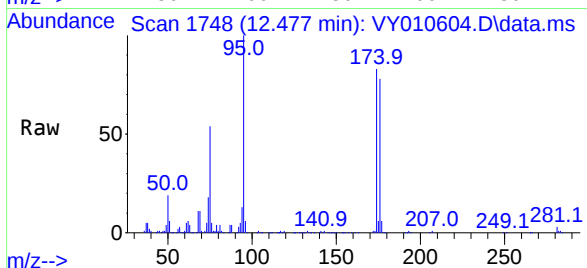
Tgt Ion: 95 Resp: 114774

Ion Ratio Lower Upper

95 100

174 86.5 0.0 177.0

176 83.4 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: VY010604.D

Acq: 21 Sep 2022 17:18

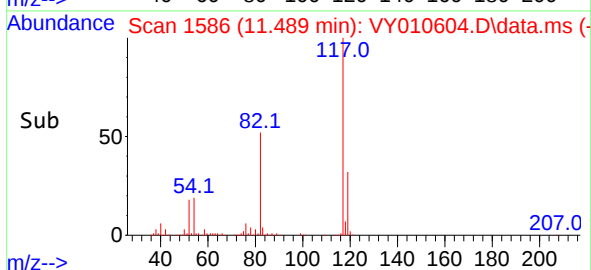
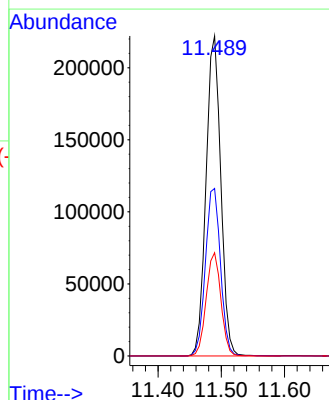
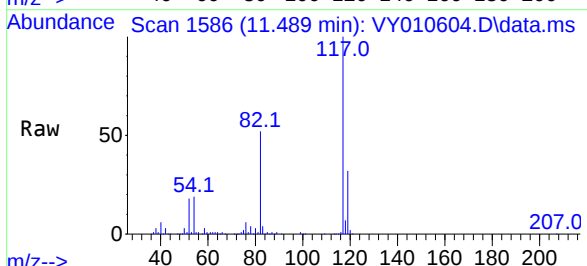
Tgt Ion: 117 Resp: 360997

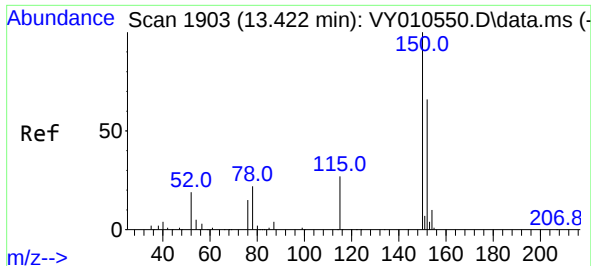
Ion Ratio Lower Upper

117 100

82 52.4 43.0 64.4

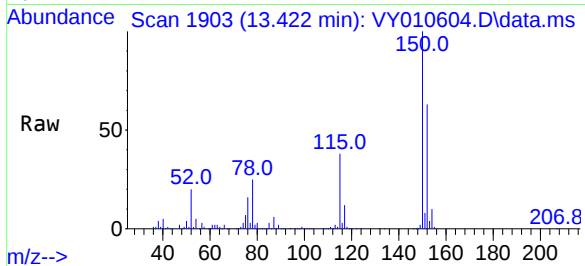
119 32.3 25.4 38.0





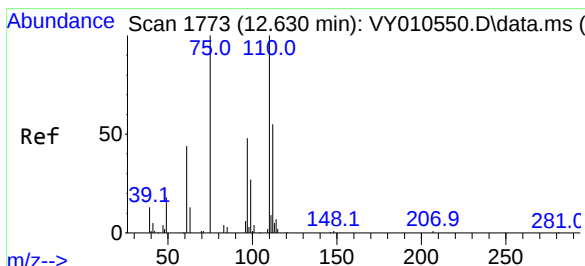
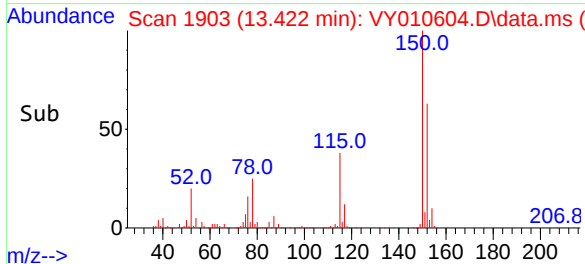
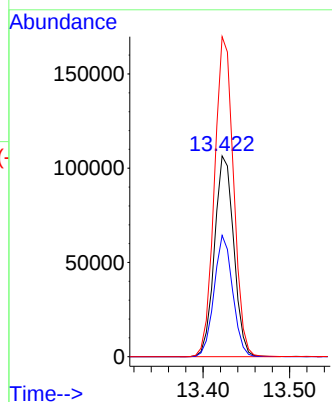
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. -0.000 min
 Lab File: VY010604.D
 Acq: 21 Sep 2022 17:18

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:152 Resp: 164504

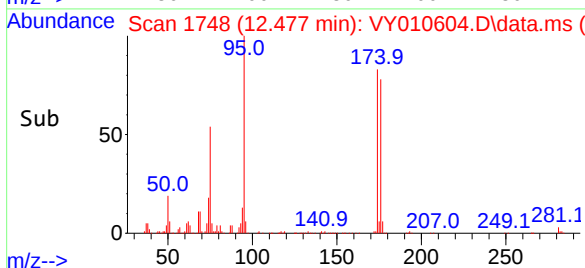
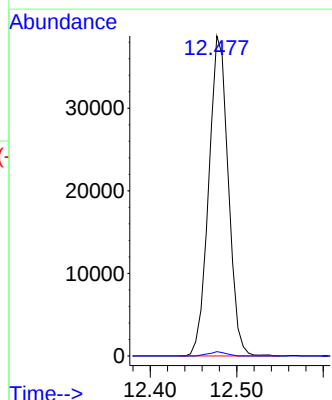
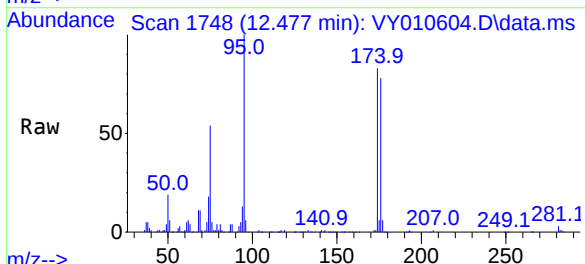
Ion	Ratio	Lower	Upper
152	100		
115	58.1	28.2	84.7
150	158.0	0.0	347.6

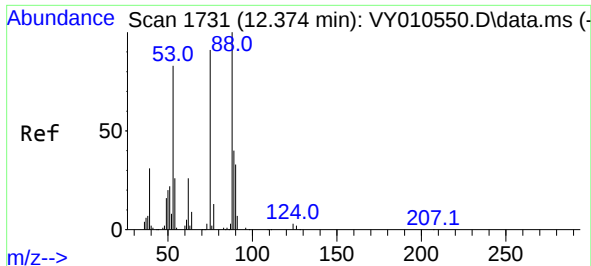


#76
 1,2,3-Trichloropropane
 Concen: 38.656 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.153 min
 Lab File: VY010604.D
 Acq: 21 Sep 2022 17:18

Tgt Ion: 75 Resp: 60693

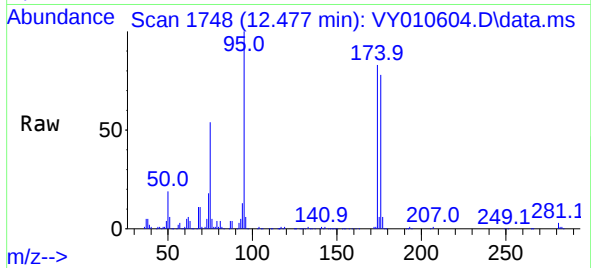
Ion	Ratio	Lower	Upper
75	100		
77	1.2	0.0	0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 85.949 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY010604.D
Acq: 21 Sep 2022 17:18

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 75 Resp: 60693
Ion Ratio Lower Upper
75 100
53 0.2 85.3 127.9#
89 0.0 37.0 55.4#

