

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY093022\
 Data File : VY010748.D
 Acq On : 30 Sep 2022 14:45
 Operator : KP/MD
 Sample : N4912-03
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 01 06:18:04 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)

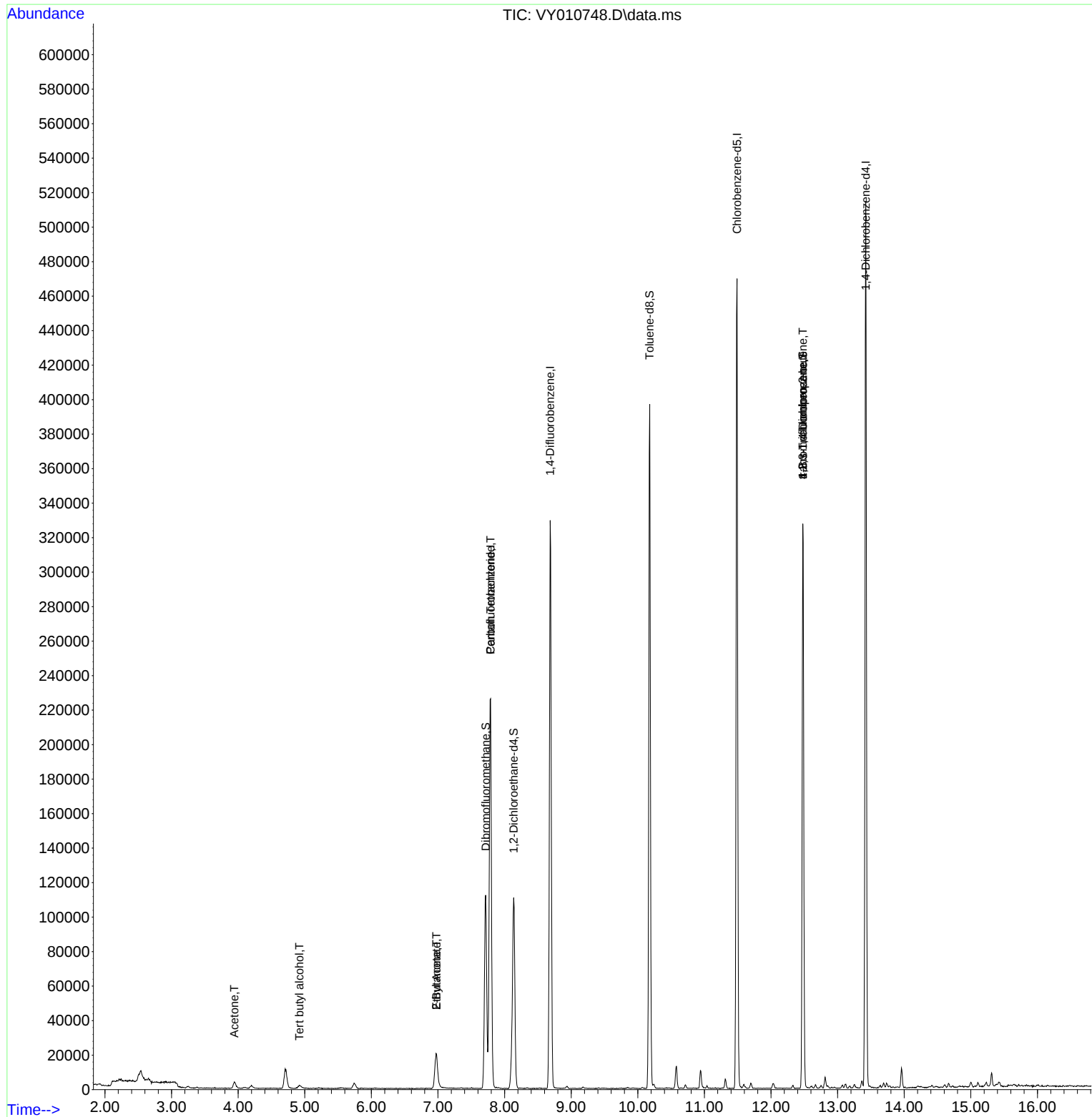
Internal Standards						
1) Pentafluorobenzene	7.789	168	179262	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	280590	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	259173	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	131193	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	81480	47.521	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.040%		
35) Dibromofluoromethane	7.716	113	78136	43.634	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	87.260%		
50) Toluene-d8	10.179	98	259265	39.851	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	79.700%		
62) 4-Bromofluorobenzene	12.477	95	96260	38.574	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	77.140%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.900	85	526	Below Cal		80
3) Chloromethane	2.113	50	428	Below Cal	#	42
4) Vinyl Chloride	2.241	62	129	Below Cal	#	43
5) Bromomethane	2.668	94	661	Below Cal	#	79
11) Tert butyl alcohol	4.917	59	2307	4.053 ug/l	#	77
16) Acetone	3.942	43	6703	19.171 ug/l	#	81
17) Carbon Disulfide	4.198	76	400	Below Cal	#	75
18) Methyl Acetate	4.485	43	38	Below Cal	#	56
20) Methylene Chloride	4.716	84	8412	Below Cal	#	81
25) 2-Butanone	6.978	43	1931	3.531 ug/l	#	88
31) Cyclohexane	7.789	56	3809	Below Cal	#	1
37) Ethyl Acetate	6.978	43	1931	1.676 ug/l	#	25
38) Carbon Tetrachloride	7.789	117	17843	7.777 ug/l	#	15
76) 1,2,3-Trichloropropane	12.477	75	50525	40.351 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.477	75	50525	89.717 ug/l	#	7

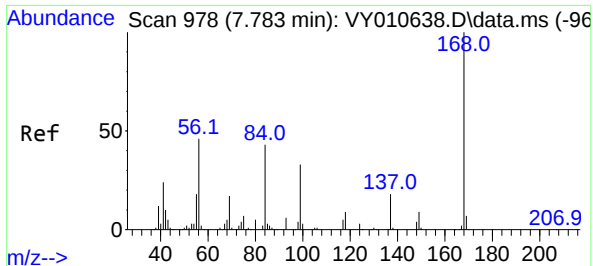
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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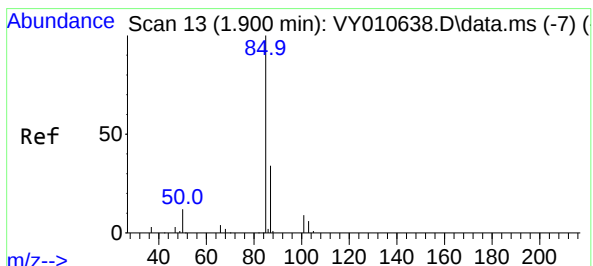
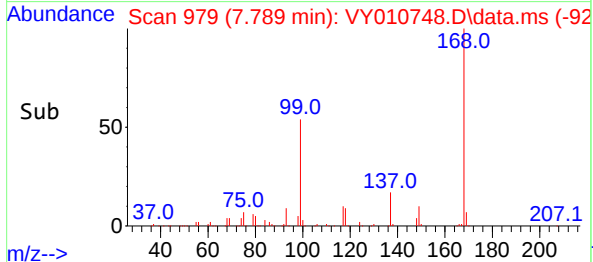
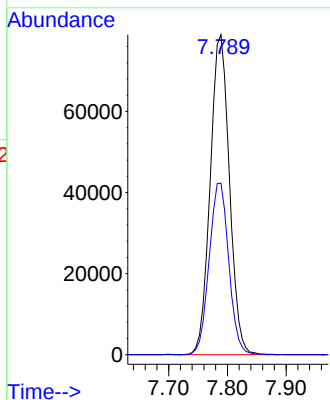
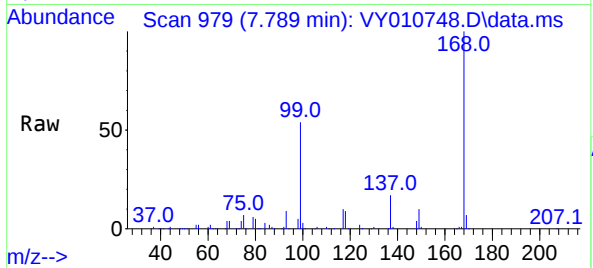




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010748.D
Acq: 30 Sep 2022 14:45

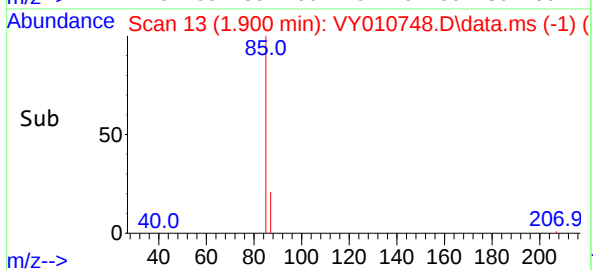
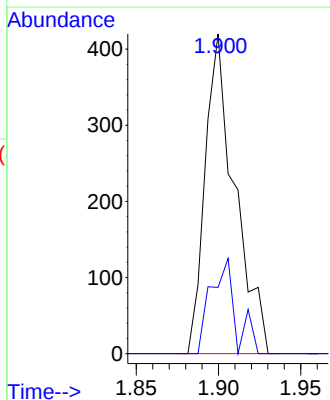
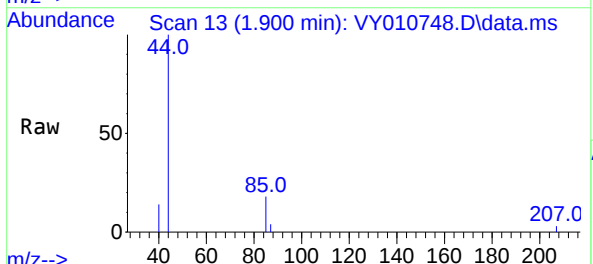
Instrument :
MSVOA_Y
ClientSampleId :

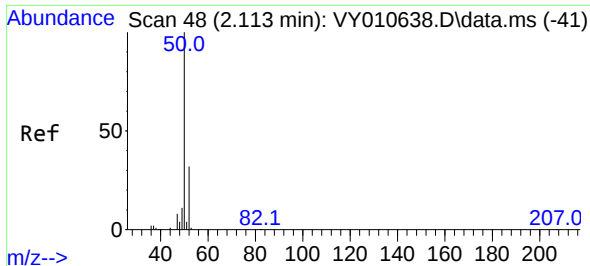
Tgt Ion:168 Resp: 179262
Ion Ratio Lower Upper
168 100
99 53.6 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY010748.D
Acq: 30 Sep 2022 14:45

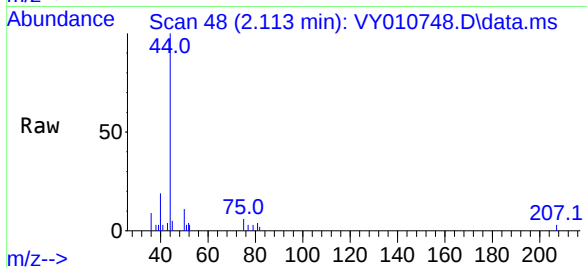
Tgt Ion: 85 Resp: 526
Ion Ratio Lower Upper
85 100
87 20.7 16.1 48.2



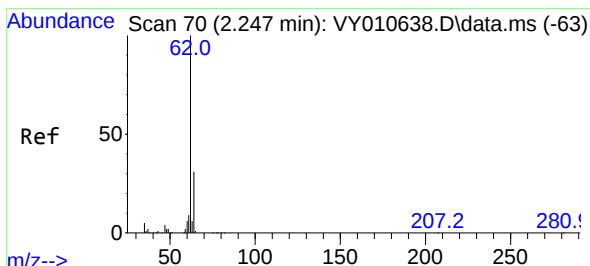
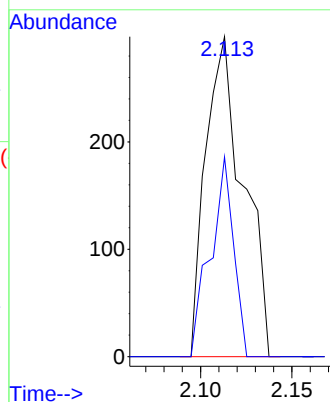
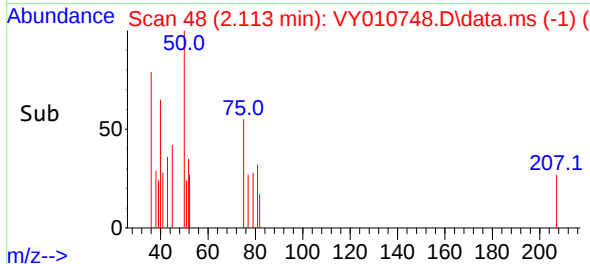


#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY010748.D
Acq: 30 Sep 2022 14:45

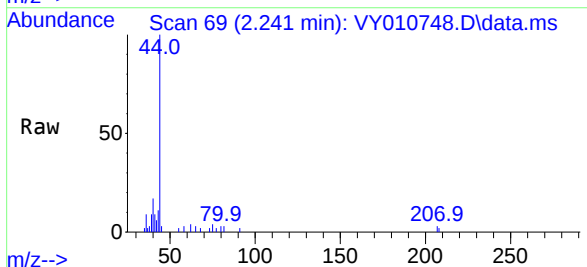
Instrument :
MSVOA_Y
ClientSampleId :



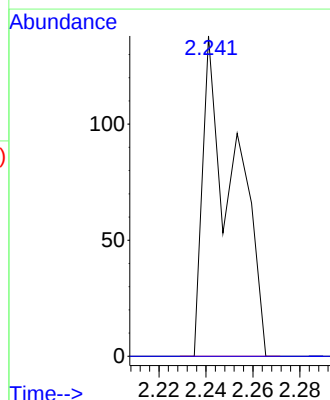
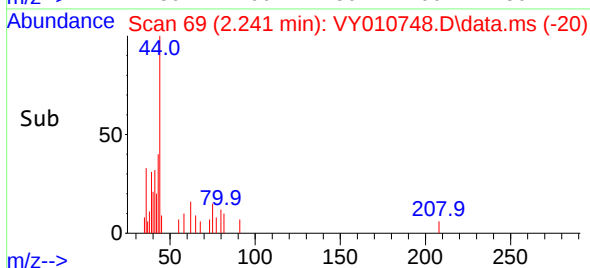
Tgt Ion: 50 Resp: 428
Ion Ratio Lower Upper
50 100
52 62.4 24.6 37.0#

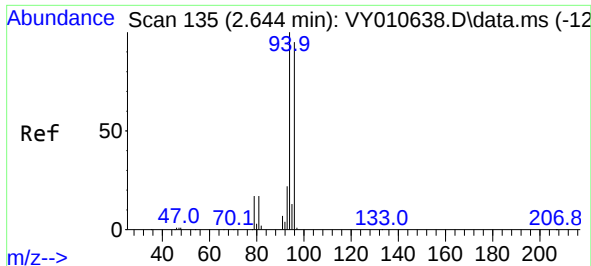


#4
Vinyl Chloride
Concen: Below Cal
RT: 2.241 min Scan# 69
Delta R.T. 0.000 min
Lab File: VY010748.D
Acq: 30 Sep 2022 14:45



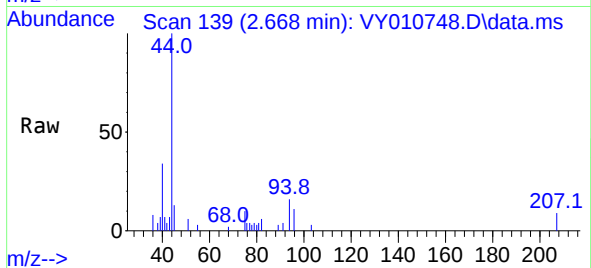
Tgt Ion: 62 Resp: 129
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#



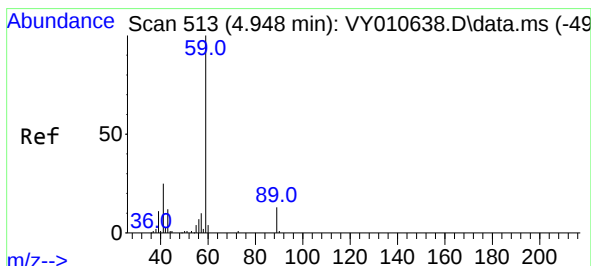
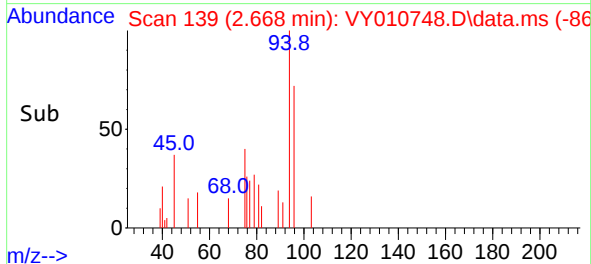
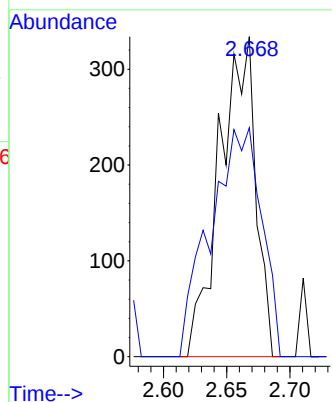


#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 11
Delta R.T. 0.024 min
Lab File: VY010748.D
Acq: 30 Sep 2022 14:45

Instrument :
MSVOA_Y
ClientSampleId :

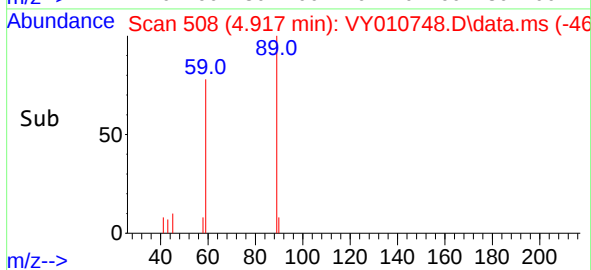
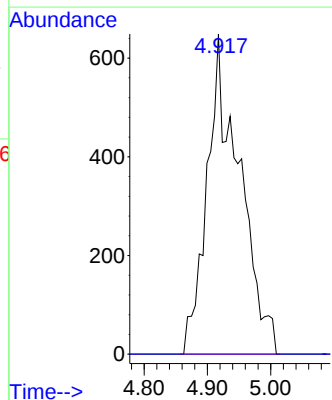
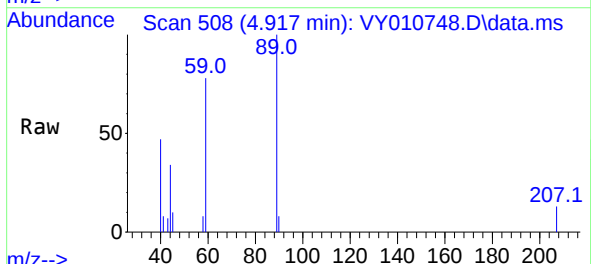


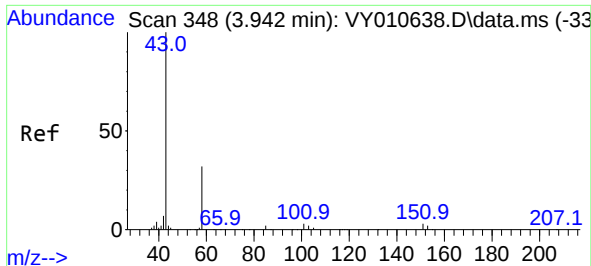
Tgt Ion: 94 Resp: 661
Ion Ratio Lower Upper
94 100
96 71.6 73.5 110.3#



#11
Tert butyl alcohol
Concen: 4.053 ug/l
RT: 4.917 min Scan# 508
Delta R.T. -0.025 min
Lab File: VY010748.D
Acq: 30 Sep 2022 14:45

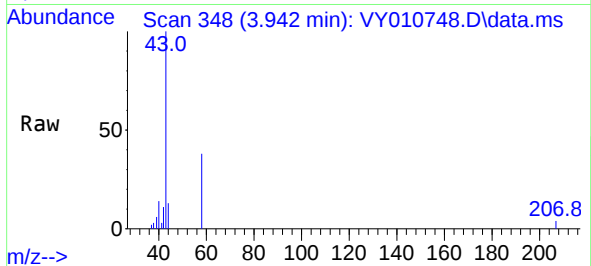
Tgt Ion: 59 Resp: 2307
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#



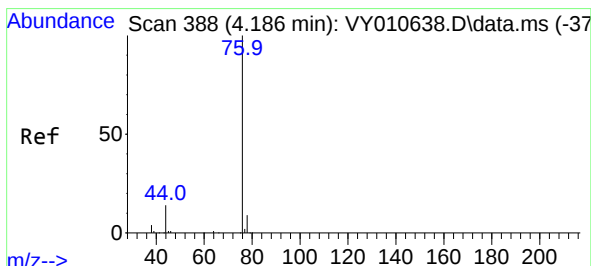
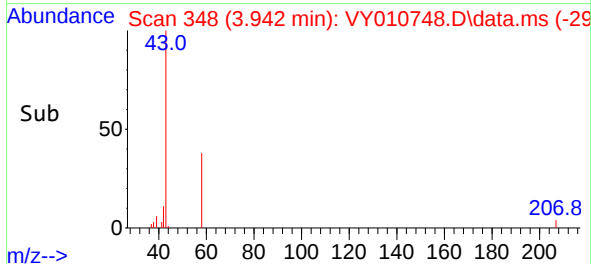
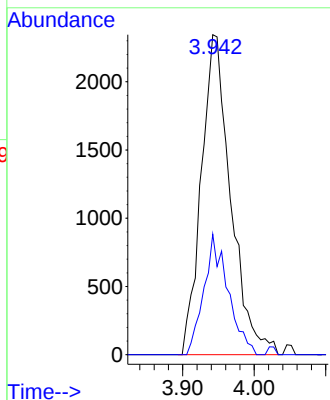


#16
Acetone
Concen: 19.171 ug/l
RT: 3.942 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY010748.D
Acq: 30 Sep 2022 14:45

Instrument :
MSVOA_Y
ClientSampleId :

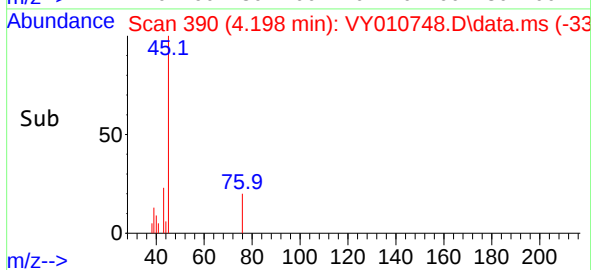
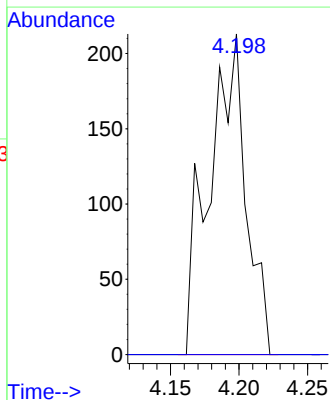
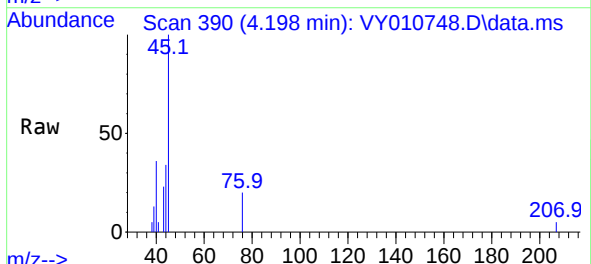


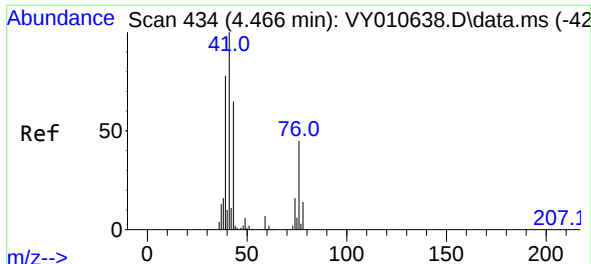
Tgt Ion: 43 Resp: 6703
Ion Ratio Lower Upper
43 100
58 37.7 22.0 33.0#



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.198 min Scan# 390
Delta R.T. 0.018 min
Lab File: VY010748.D
Acq: 30 Sep 2022 14:45

Tgt Ion: 76 Resp: 400
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#





#18

Methyl Acetate

Concen: Below Cal

RT: 4.485 min Scan# 41

Delta R.T. 0.019 min

Lab File: VY010748.D

Acq: 30 Sep 2022 14:45

Instrument :

MSVOA_Y

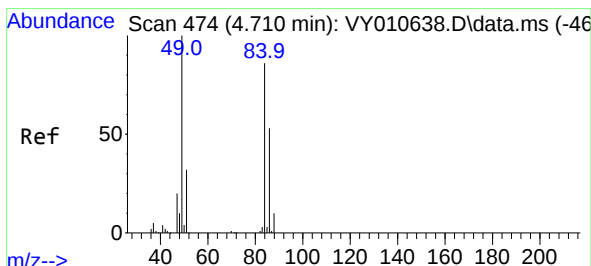
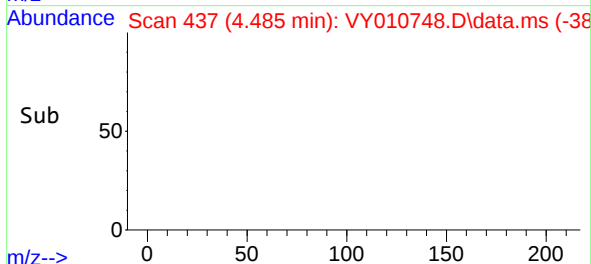
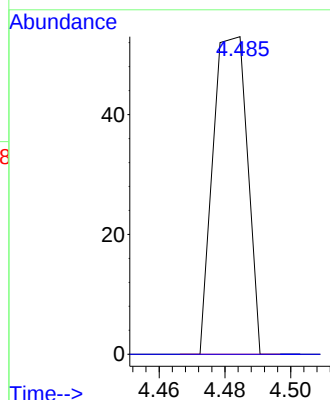
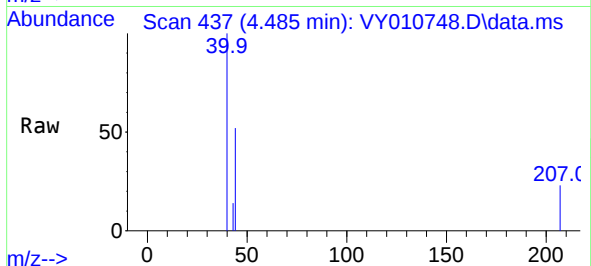
ClientSampleId :

Tgt Ion: 43 Resp: 38

Ion Ratio Lower Upper

43 100

74 0.0 16.6 24.8#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.716 min Scan# 475

Delta R.T. 0.006 min

Lab File: VY010748.D

Acq: 30 Sep 2022 14:45

Tgt Ion: 84 Resp: 8412

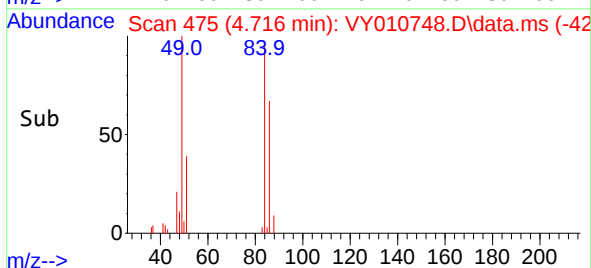
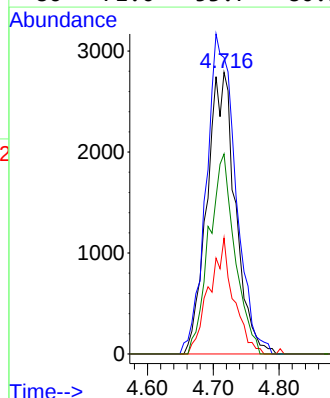
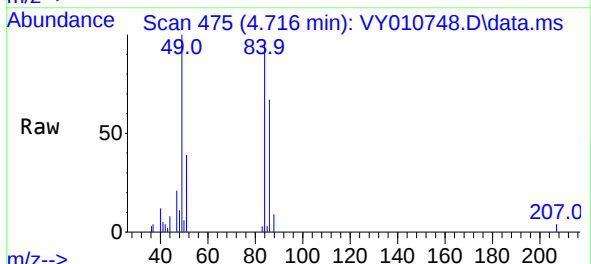
Ion Ratio Lower Upper

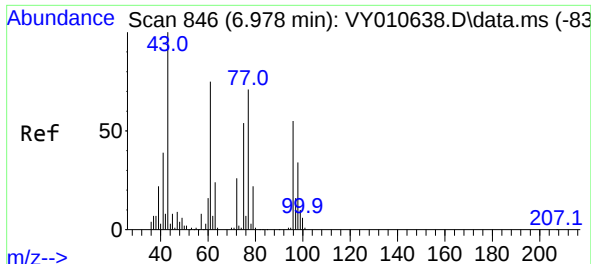
84 100

49 105.3 114.4 171.6#

51 41.2 35.3 52.9

86 71.0 53.7 80.5





#25

2-Butanone

Concen: 3.531 ug/l

RT: 6.978 min Scan# 846

Delta R.T. 0.000 min

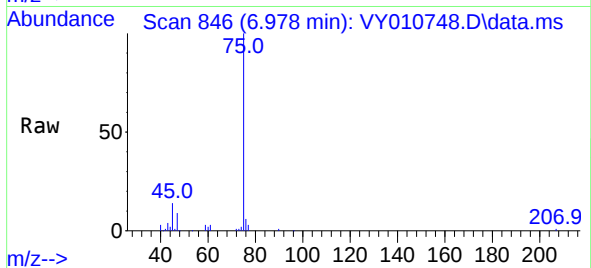
Lab File: VY010748.D

Acq: 30 Sep 2022 14:45

Instrument :

MSVOA_Y

ClientSampleId :

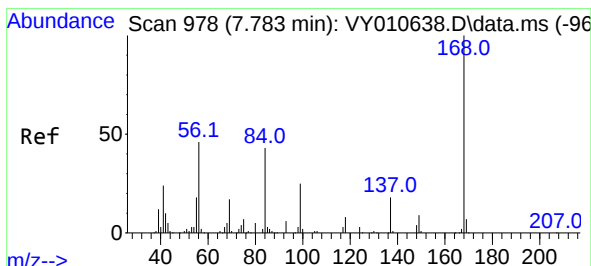
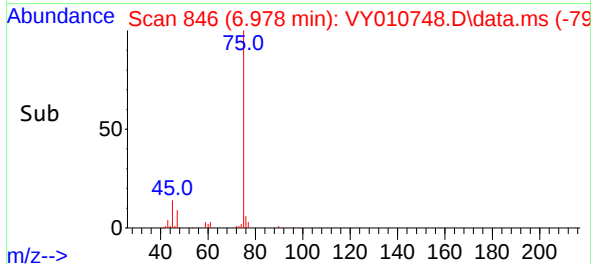
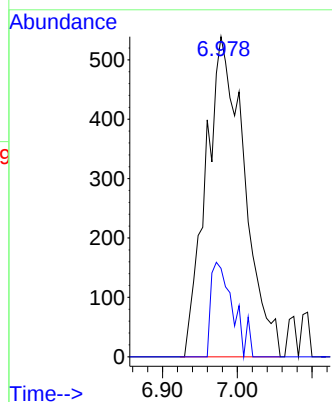


Tgt Ion: 43 Resp: 1931

Ion Ratio Lower Upper

43 100

72 27.6 17.7 26.5#



#31

Cyclohexane

Concen: Below Cal

RT: 7.789 min Scan# 979

Delta R.T. 0.012 min

Lab File: VY010748.D

Acq: 30 Sep 2022 14:45

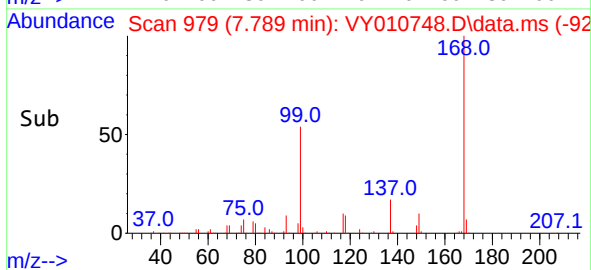
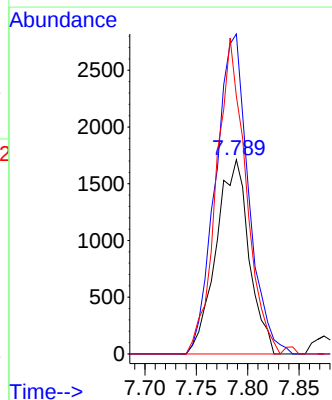
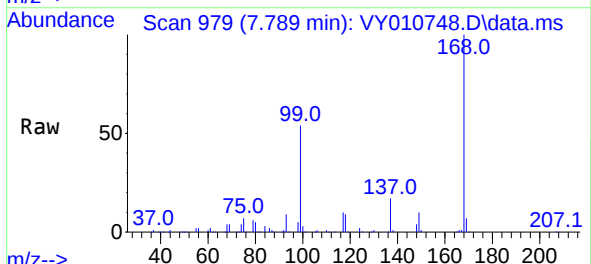
Tgt Ion: 56 Resp: 3809

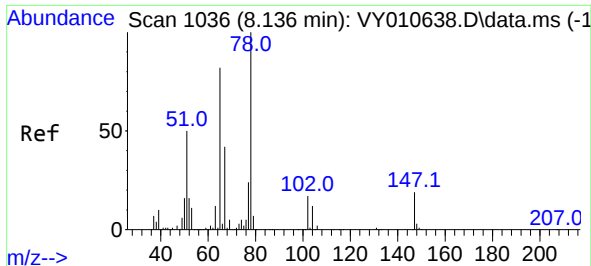
Ion Ratio Lower Upper

56 100

69 164.7 26.7 40.1#

84 132.7 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 47.521 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.001 min

Lab File: VY010748.D

Acq: 30 Sep 2022 14:45

Instrument :

MSVOA_Y

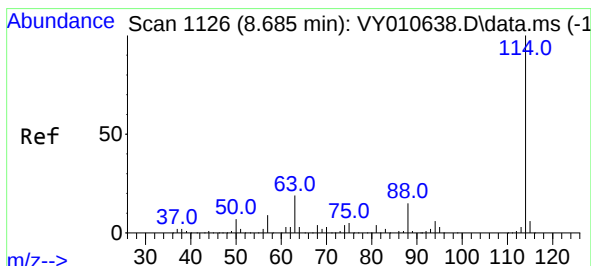
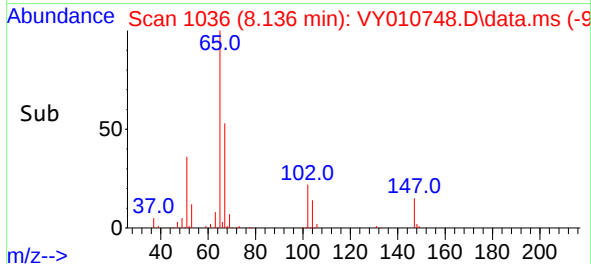
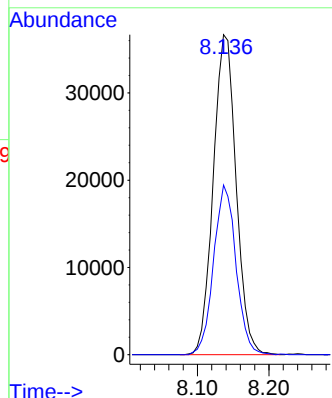
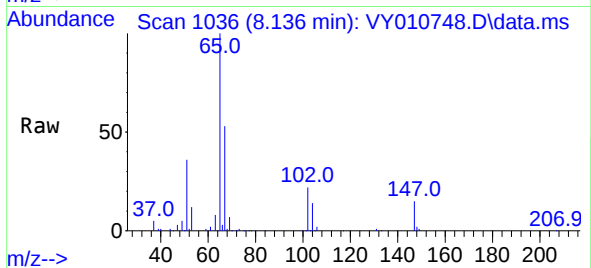
ClientSampleId :

Tgt Ion: 65 Resp: 81480

Ion Ratio Lower Upper

65 100

67 51.9 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: VY010748.D

Acq: 30 Sep 2022 14:45

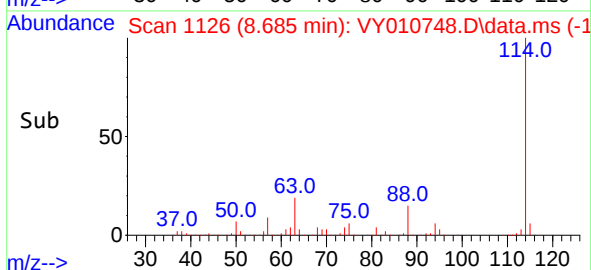
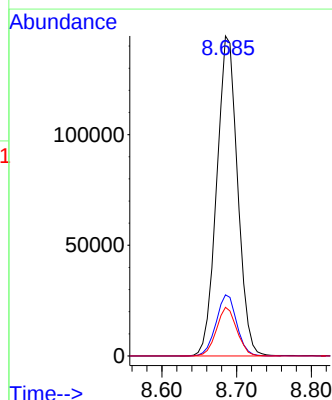
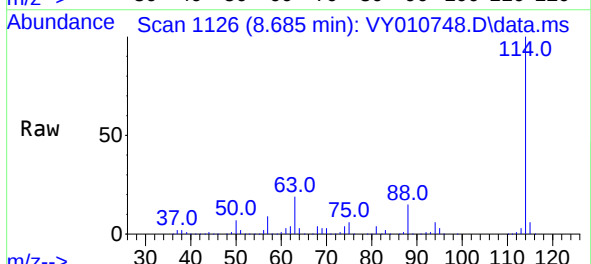
Tgt Ion: 114 Resp: 280590

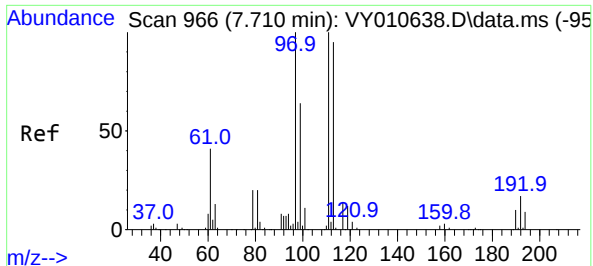
Ion Ratio Lower Upper

114 100

63 19.1 0.0 43.2

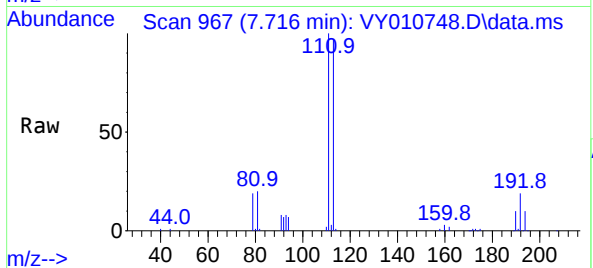
88 15.2 0.0 31.8



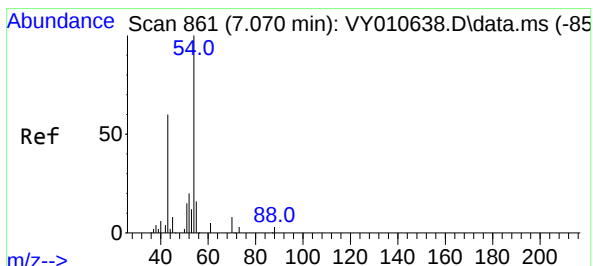
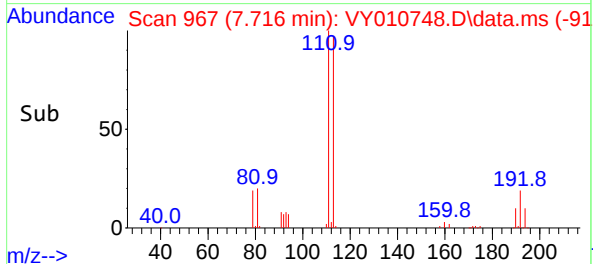
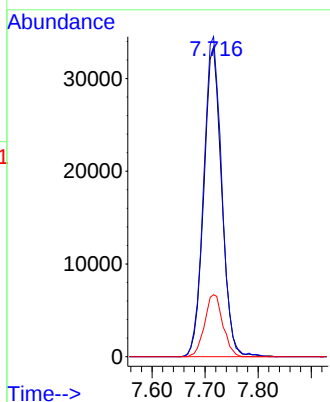


#35
Dibromofluoromethane
Concen: 43.634 ug/l
RT: 7.716 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010748.D
Acq: 30 Sep 2022 14:45

Instrument :
MSVOA_Y
ClientSampleId :

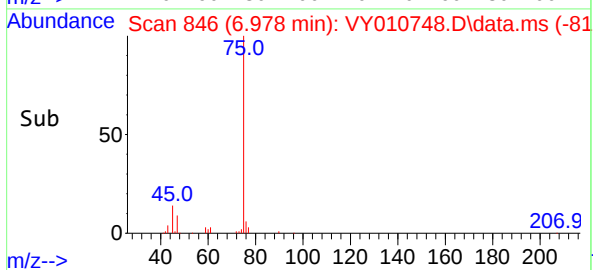
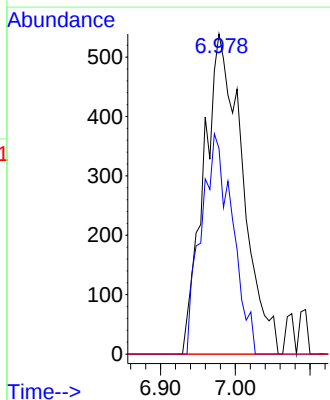
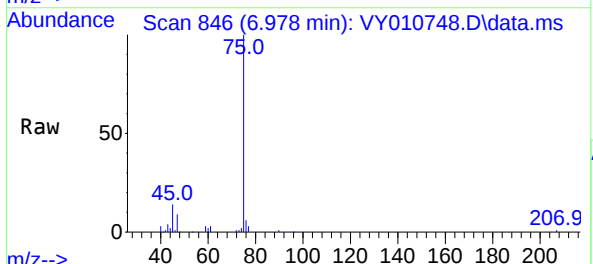


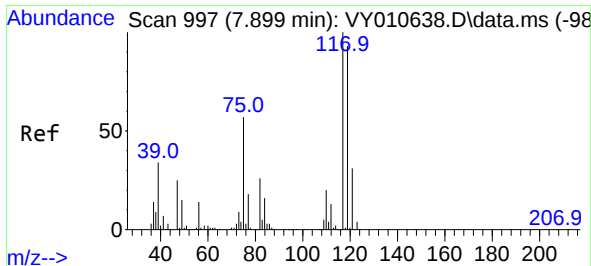
Tgt Ion:113 Resp: 78136
Ion Ratio Lower Upper
113 100
111 104.3 82.6 124.0
192 20.4 17.6 26.4



#37
Ethyl Acetate
Concen: 1.676 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.092 min
Lab File: VY010748.D
Acq: 30 Sep 2022 14:45

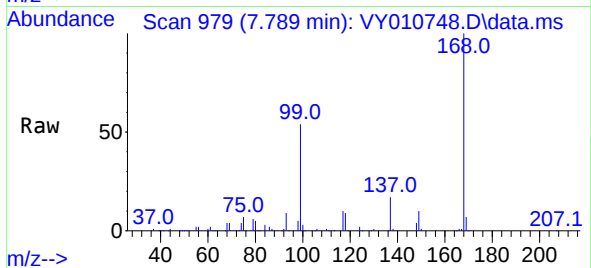
Tgt Ion: 43 Resp: 1931
Ion Ratio Lower Upper
43 100
61 55.9 9.7 14.5#
70 0.0 7.1 10.7#



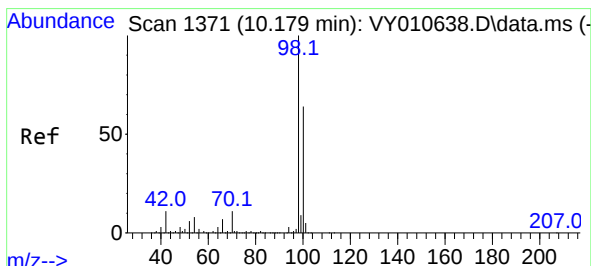
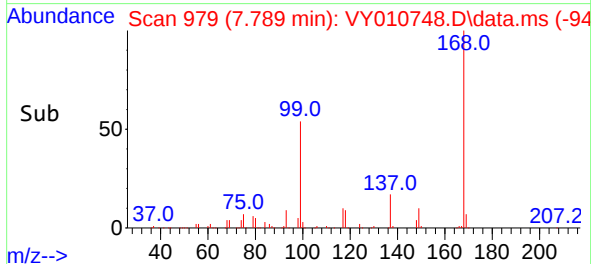
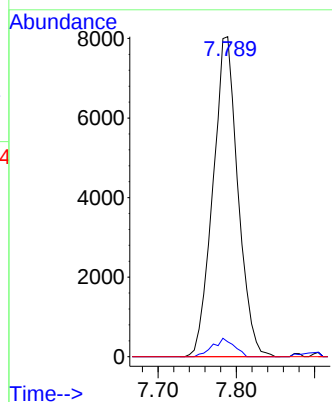


#38
Carbon Tetrachloride
Concen: 7.777 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY010748.D
Acq: 30 Sep 2022 14:45

Instrument :
MSVOA_Y
ClientSampleId :

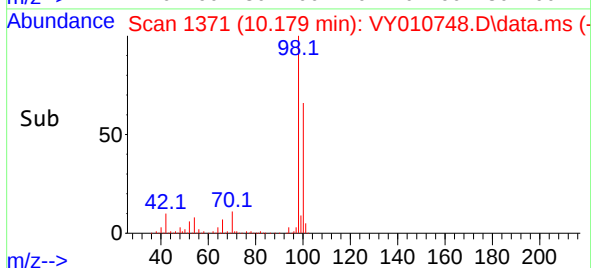
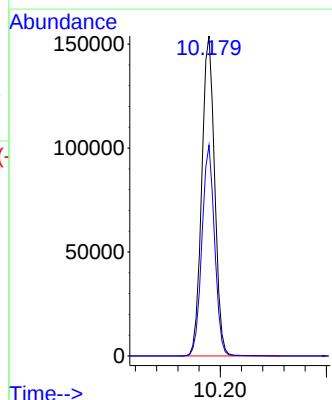
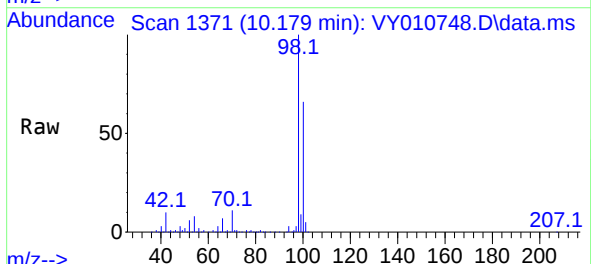


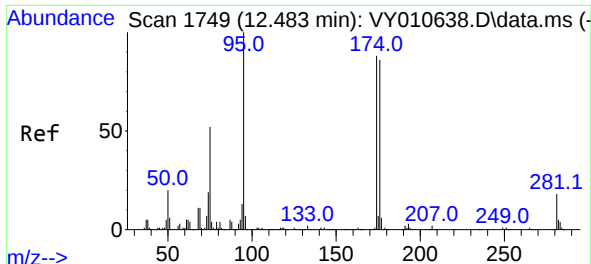
Tgt Ion:117 Resp: 17843
Ion Ratio Lower Upper
117 100
119 4.7 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 39.851 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.006 min
Lab File: VY010748.D
Acq: 30 Sep 2022 14:45

Tgt Ion: 98 Resp: 259265
Ion Ratio Lower Upper
98 100
100 64.9 50.2 75.2

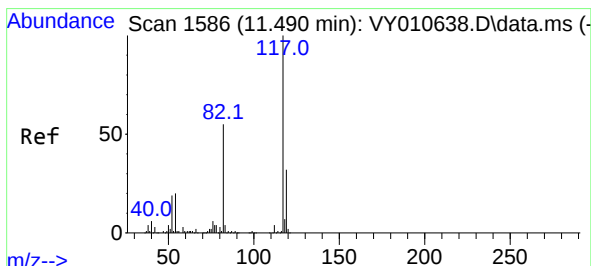
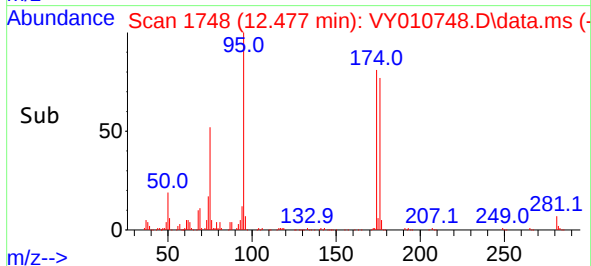
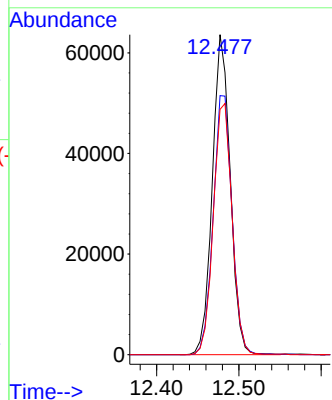
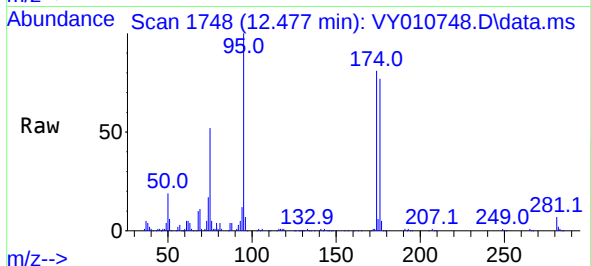




#62
4-Bromofluorobenzene
Concen: 38.574 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY010748.D
Acq: 30 Sep 2022 14:45

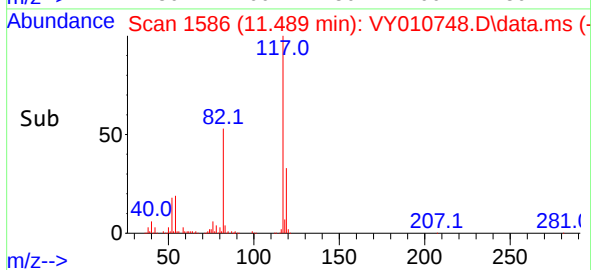
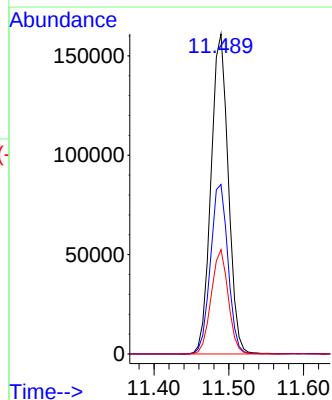
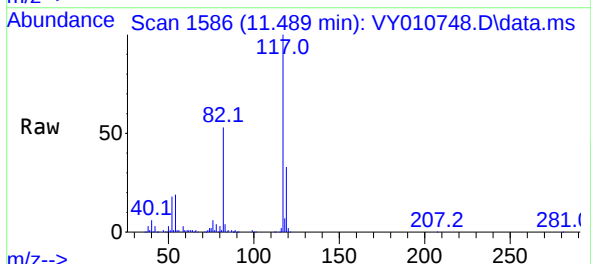
Instrument :
MSVOA_Y
ClientSampleId :

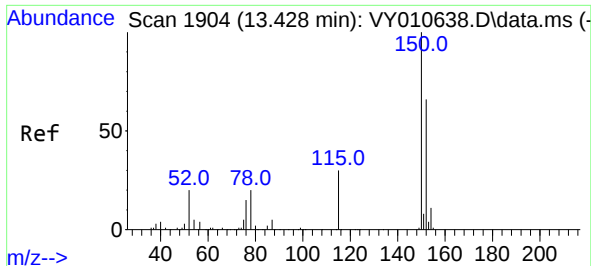
Tgt Ion: 95 Resp: 96260
Ion Ratio Lower Upper
95 100
174 85.0 0.0 177.0
176 82.2 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY010748.D
Acq: 30 Sep 2022 14:45

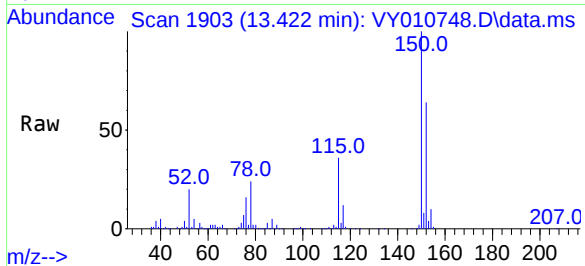
Tgt Ion: 117 Resp: 259173
Ion Ratio Lower Upper
117 100
82 53.0 43.0 64.4
119 32.6 25.4 38.0



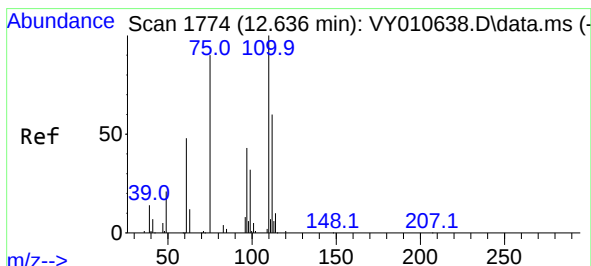
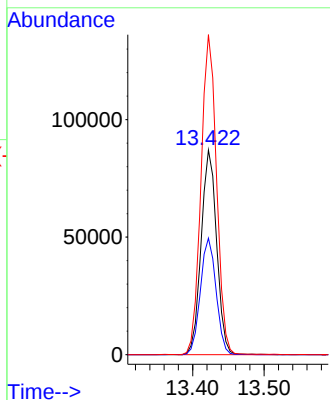
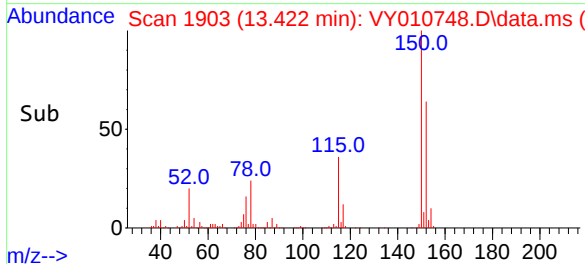


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY010748.D
Acq: 30 Sep 2022 14:45

Instrument :
MSVOA_Y
ClientSampleId :

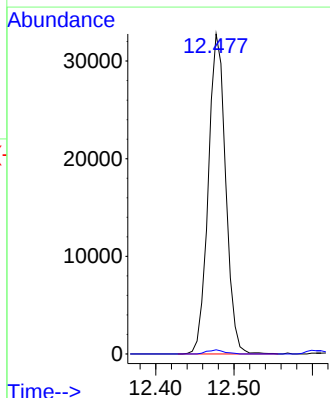
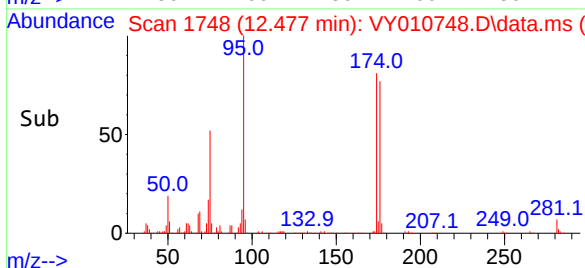
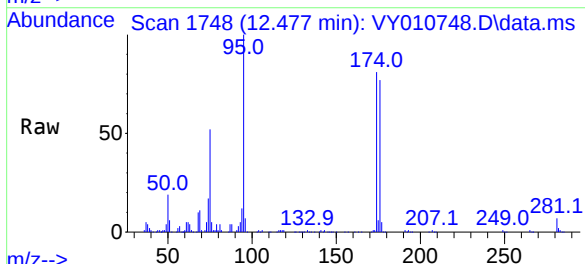


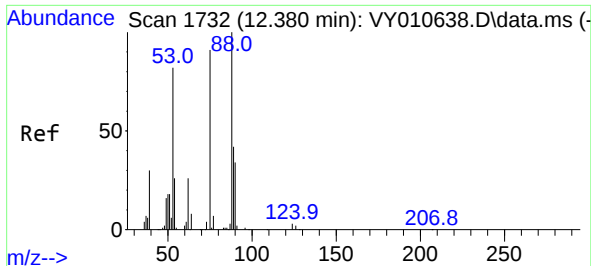
Tgt Ion:152 Resp: 131193
Ion Ratio Lower Upper
152 100
115 57.5 28.2 84.7
150 157.4 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 40.351 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY010748.D
Acq: 30 Sep 2022 14:45

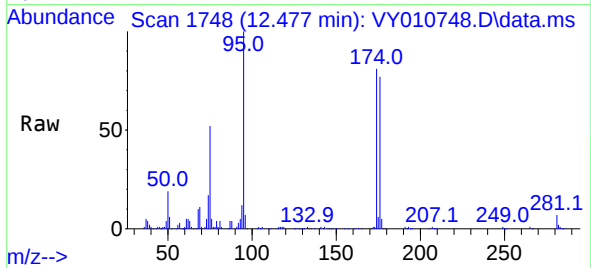
Tgt Ion: 75 Resp: 50525
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 89.717 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY010748.D
 Acq: 30 Sep 2022 14:45

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 50525
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.3 127.9#
 89 0.1 37.0 55.4#

