

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY093022\
 Data File : VY010749.D
 Acq On : 30 Sep 2022 15:08
 Operator : KP/MD
 Sample : N4912-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 01 06:18:19 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)

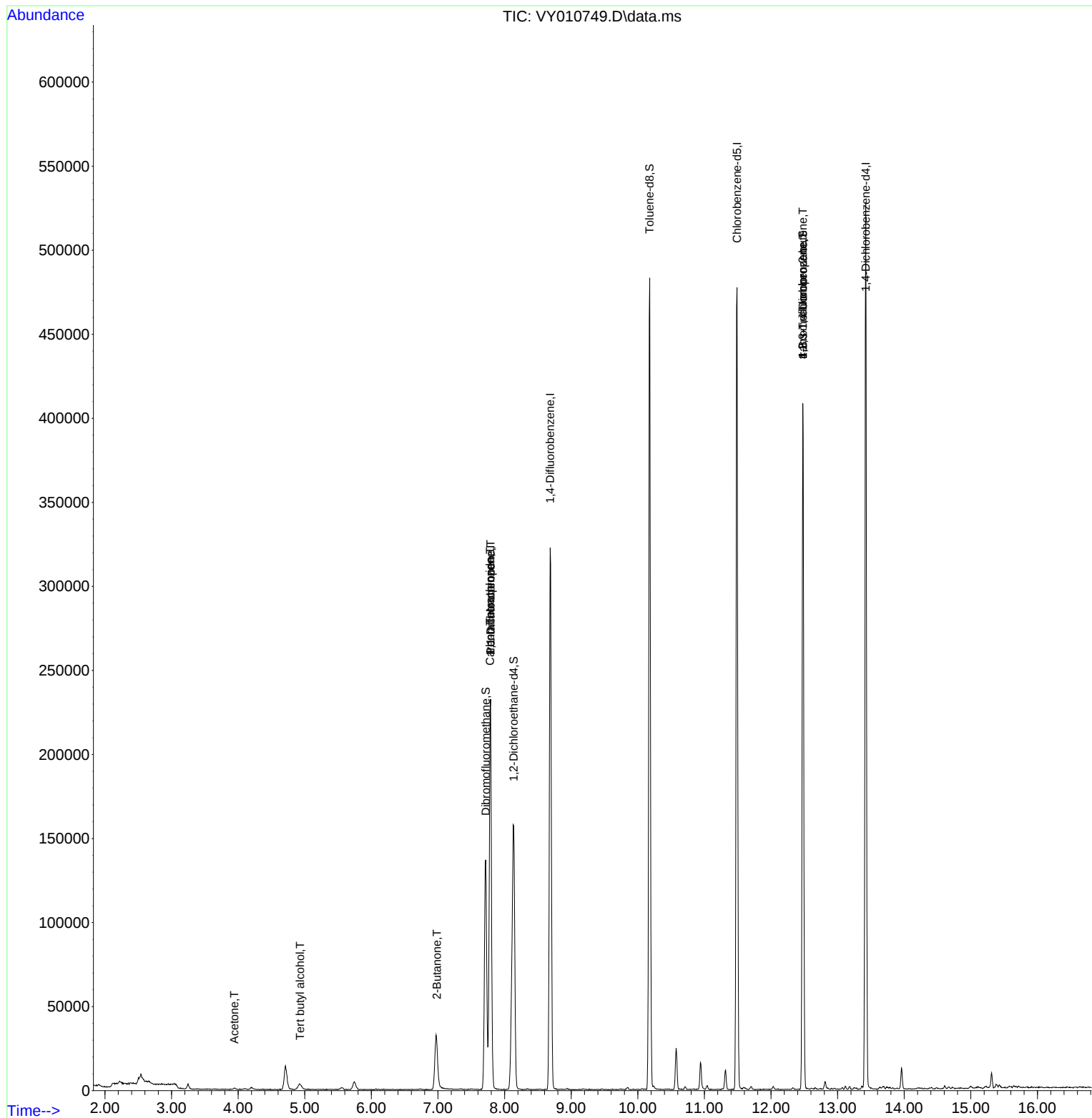
Internal Standards						
1) Pentafluorobenzene	7.789	168	182999	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	289985	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	265230	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	137068	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	102719	58.685	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 117.380%	
35) Dibromofluoromethane	7.716	113	98245	53.086	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.180%	
50) Toluene-d8	10.179	98	316095	46.451	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 92.900%	
62) 4-Bromofluorobenzene	12.477	95	120474	47.315	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 94.640%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	820	Below Cal		94
3) Chloromethane	2.113	50	393	Below Cal	#	71
4) Vinyl Chloride	2.229	62	25	Below Cal	#	43
5) Bromomethane	2.668	94	710	Below Cal		82
11) Tert butyl alcohol	4.930	59	4063	15.467 ug/l	#	77
16) Acetone	3.942	43	1395	3.908 ug/l	#	85
17) Carbon Disulfide	4.192	76	273	Below Cal	#	75
18) Methyl Acetate	4.473	43	50	Below Cal	#	56
20) Methylene Chloride	4.710	84	10084	Below Cal		91
25) 2-Butanone	6.984	43	2372	4.249 ug/l		92
31) Cyclohexane	7.789	56	3771	Below Cal	#	1
36) 1,1-Dichloropropene	7.789	75	13831	6.707 ug/l	#	51
38) Carbon Tetrachloride	7.783	117	17543	7.399 ug/l	#	16
76) 1,2,3-Trichloropropane	12.477	75	62126	47.489 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.477	75	62126	105.588 ug/l	#	7

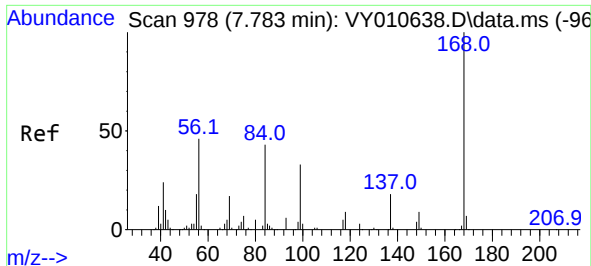
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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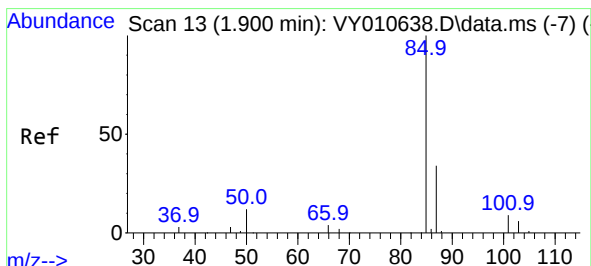
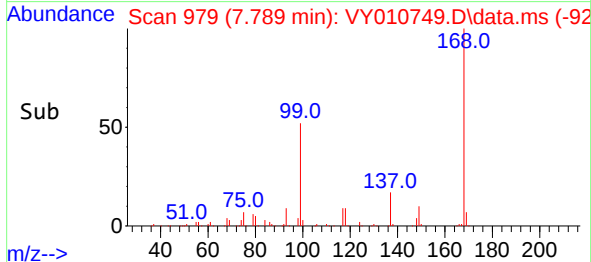
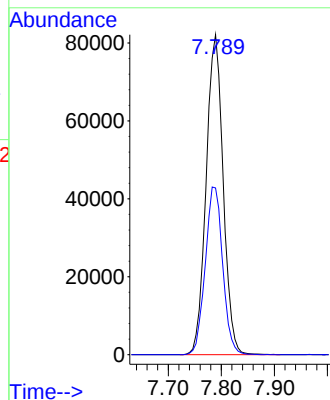
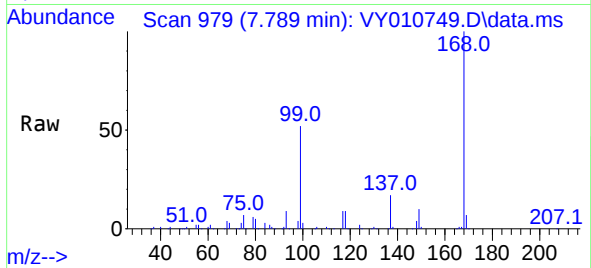




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010749.D
Acq: 30 Sep 2022 15:08

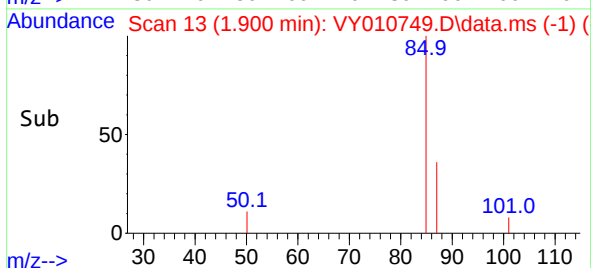
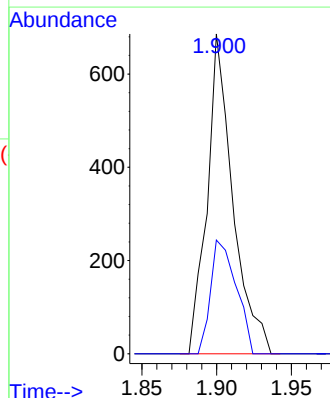
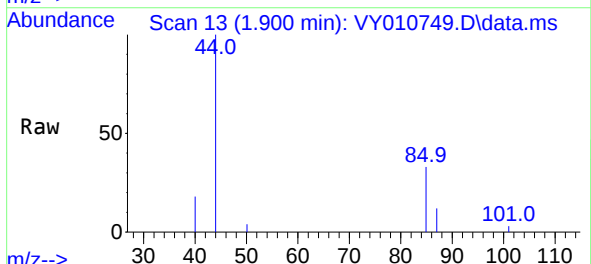
Instrument :
MSVOA_Y
ClientSampleId :

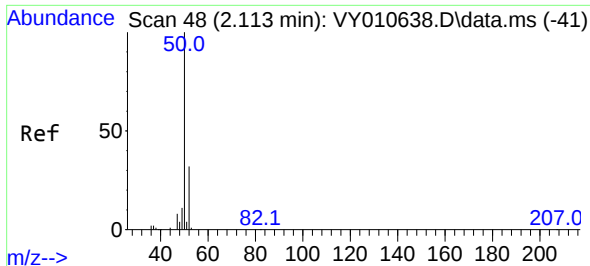
Tgt Ion:168 Resp: 182999
Ion Ratio Lower Upper
168 100
99 52.1 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY010749.D
Acq: 30 Sep 2022 15:08

Tgt Ion: 85 Resp: 820
Ion Ratio Lower Upper
85 100
87 35.6 16.1 48.2

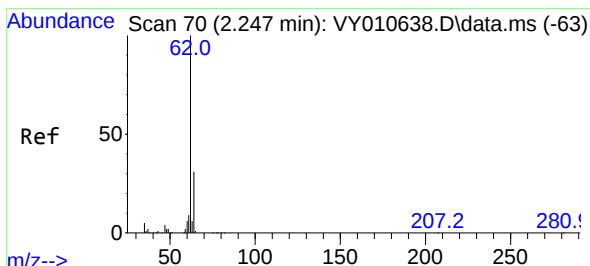
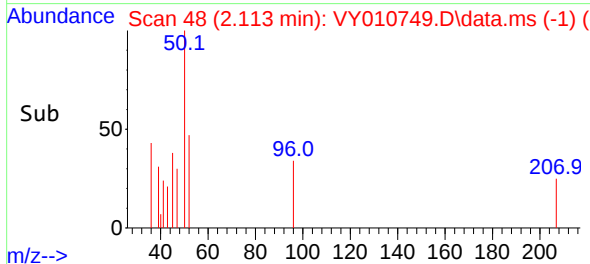
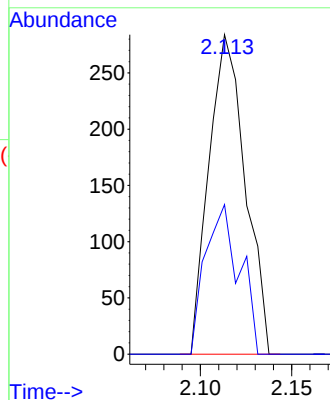
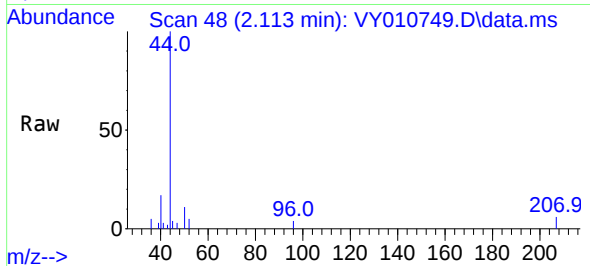




#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY010749.D
Acq: 30 Sep 2022 15:08

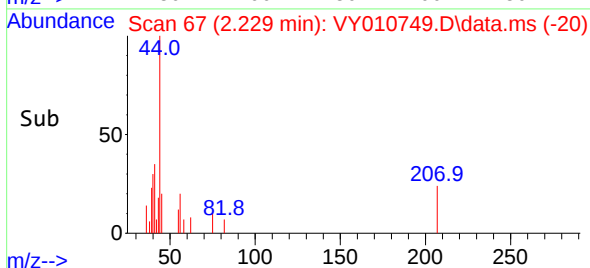
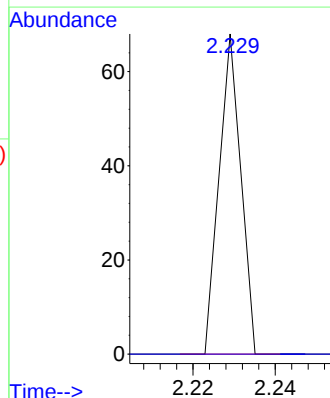
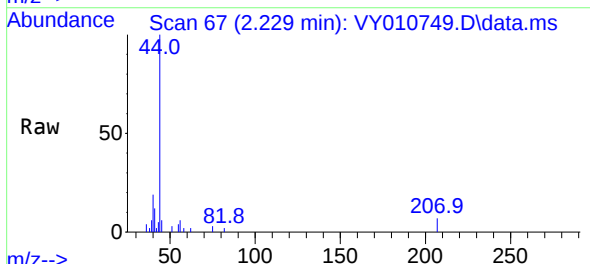
Instrument :
MSVOA_Y
ClientSampleId :

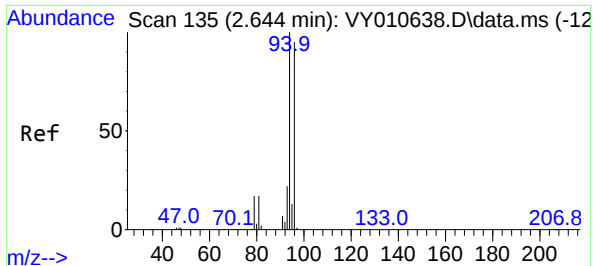
Tgt Ion: 50 Resp: 393
Ion Ratio Lower Upper
50 100
52 46.8 24.6 37.0#



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.229 min Scan# 67
Delta R.T. -0.012 min
Lab File: VY010749.D
Acq: 30 Sep 2022 15:08

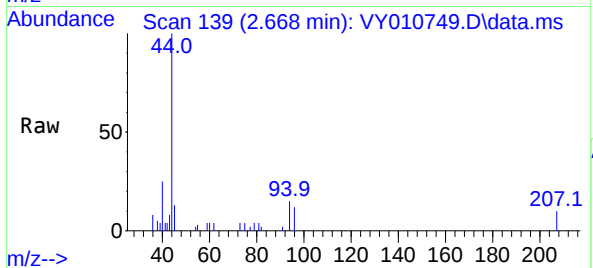
Tgt Ion: 62 Resp: 25
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#



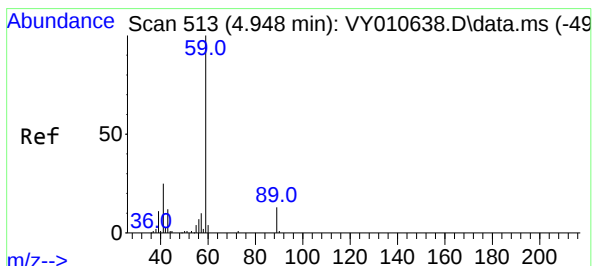
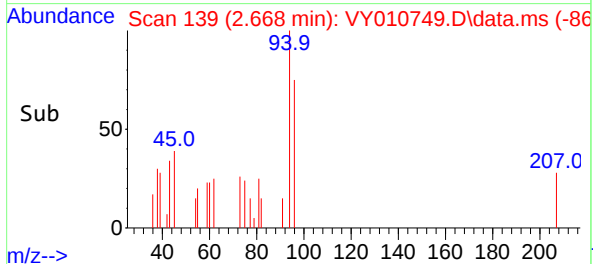
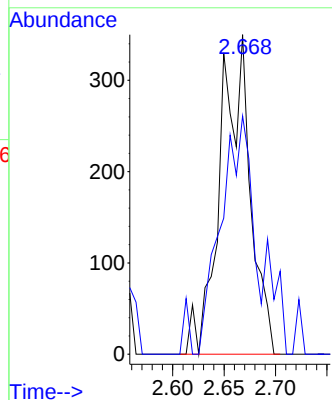


#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 11
Delta R.T. 0.024 min
Lab File: VY010749.D
Acq: 30 Sep 2022 15:08

Instrument :
MSVOA_Y
ClientSampleId :

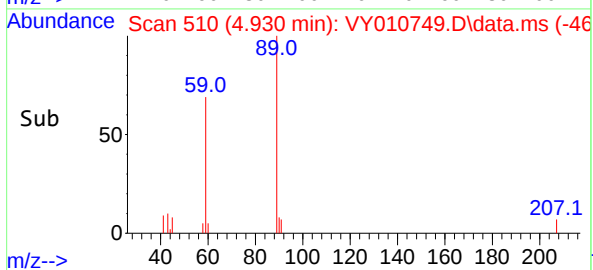
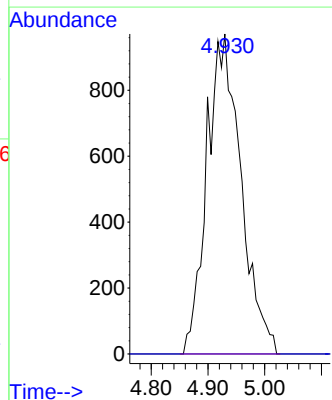
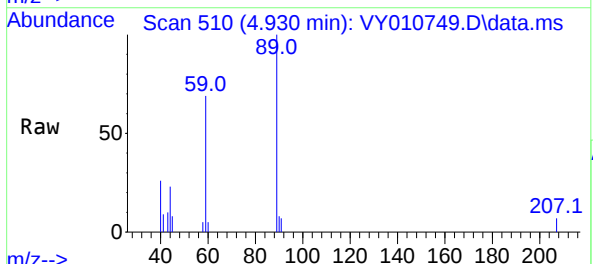


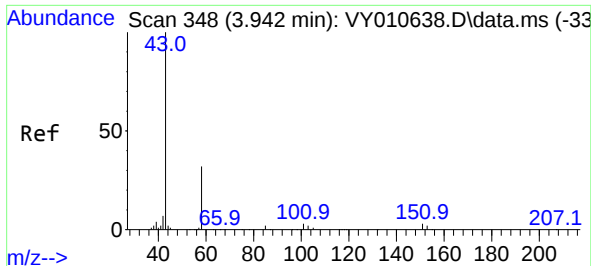
Tgt Ion: 94 Resp: 710
Ion Ratio Lower Upper
94 100
96 74.6 73.5 110.3



#11
Tert butyl alcohol
Concen: 15.467 ug/l
RT: 4.930 min Scan# 510
Delta R.T. -0.012 min
Lab File: VY010749.D
Acq: 30 Sep 2022 15:08

Tgt Ion: 59 Resp: 4063
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

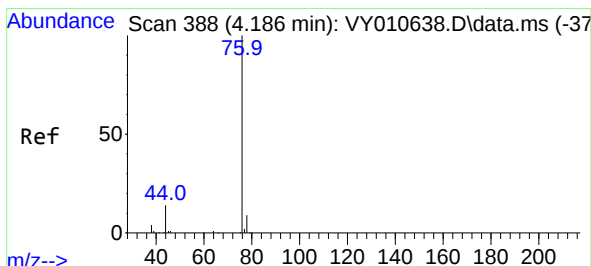
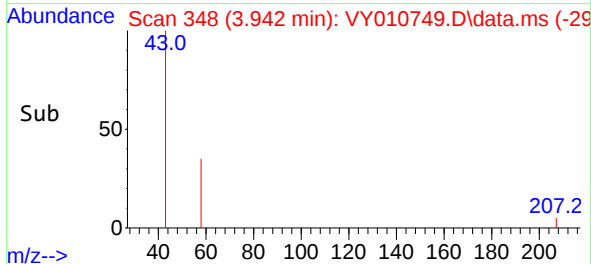
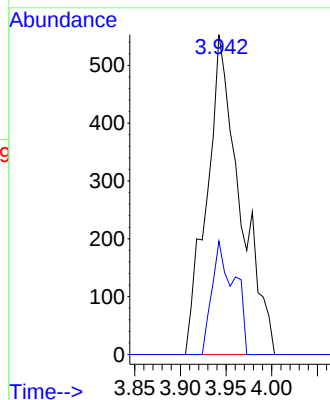
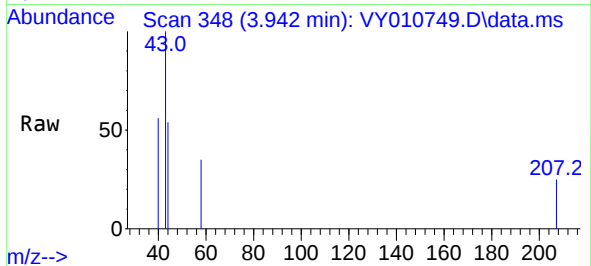




#16
Acetone
Concen: 3.908 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.006 min
Lab File: VY010749.D
Acq: 30 Sep 2022 15:08

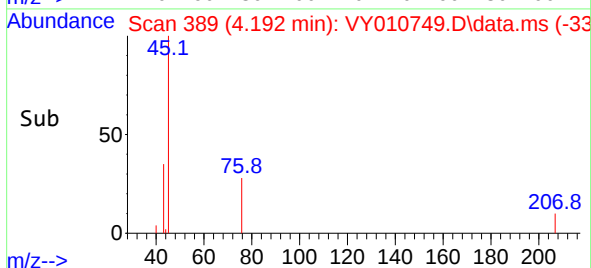
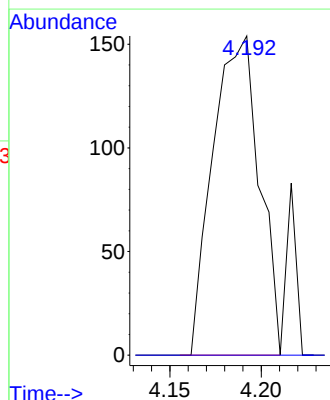
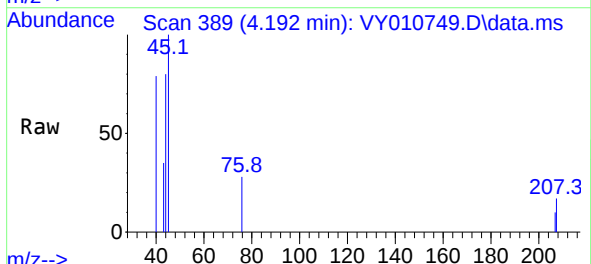
Instrument :
MSVOA_Y
ClientSampleId :

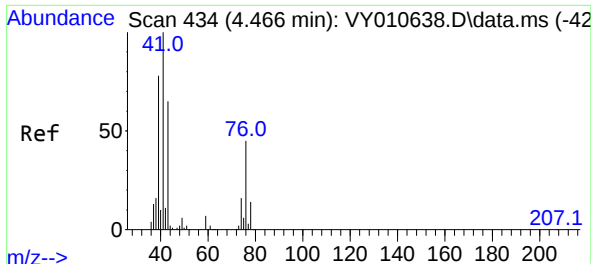
Tgt Ion: 43 Resp: 1395
Ion Ratio Lower Upper
43 100
58 35.4 22.0 33.0#



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.192 min Scan# 389
Delta R.T. 0.012 min
Lab File: VY010749.D
Acq: 30 Sep 2022 15:08

Tgt Ion: 76 Resp: 273
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#

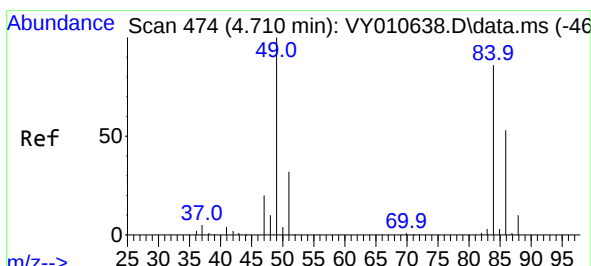
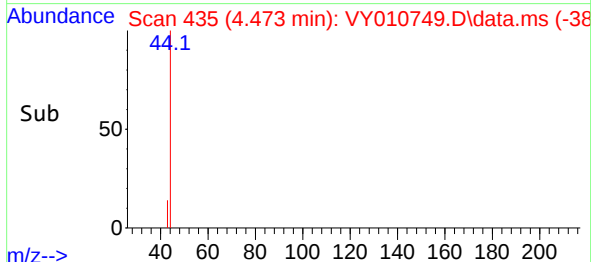
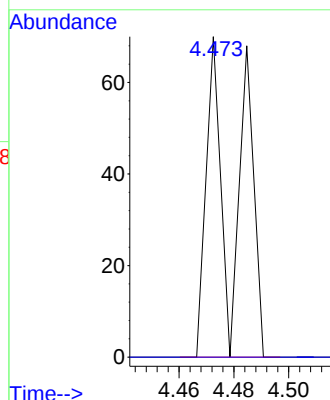
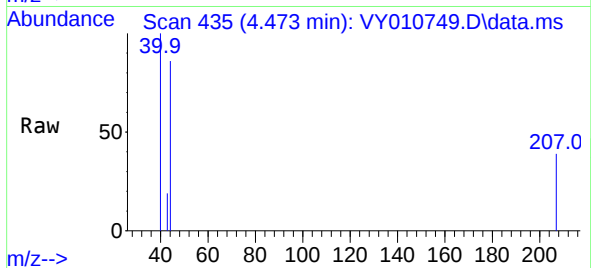




#18
Methyl Acetate
Concen: Below Cal
RT: 4.473 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY010749.D
Acq: 30 Sep 2022 15:08

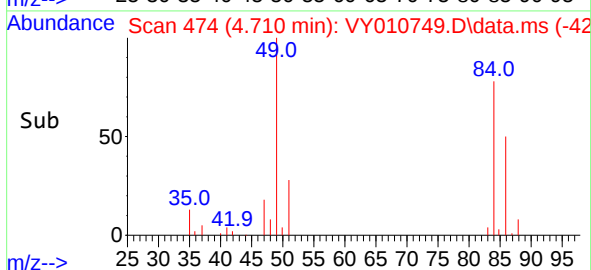
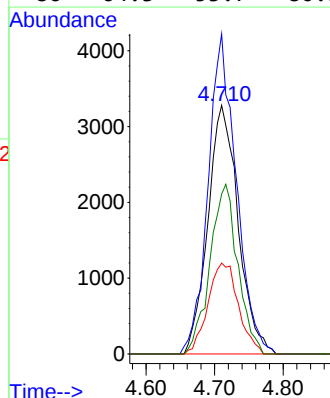
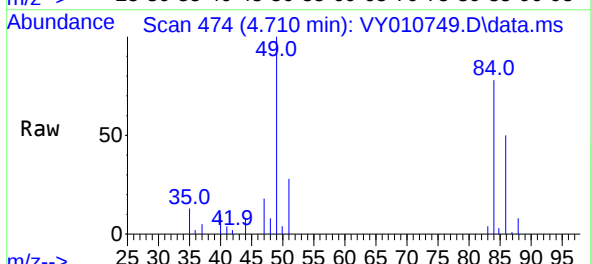
Instrument :
MSVOA_Y
ClientSampleId :

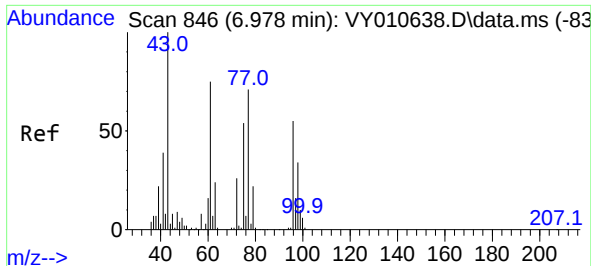
Tgt Ion: 43 Resp: 50
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY010749.D
Acq: 30 Sep 2022 15:08

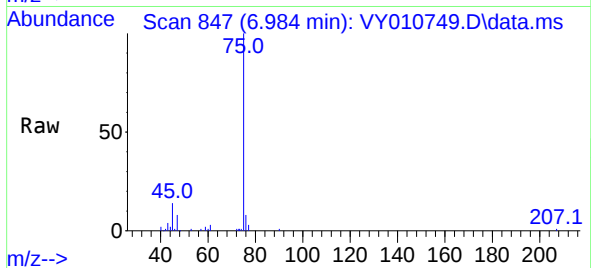
Tgt Ion: 84 Resp: 10084
Ion Ratio Lower Upper
84 100
49 128.7 114.4 171.6
51 36.6 35.3 52.9
86 64.3 53.7 80.5



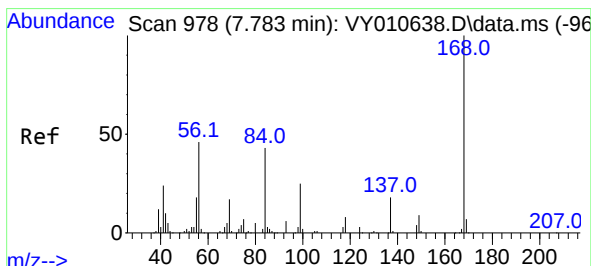
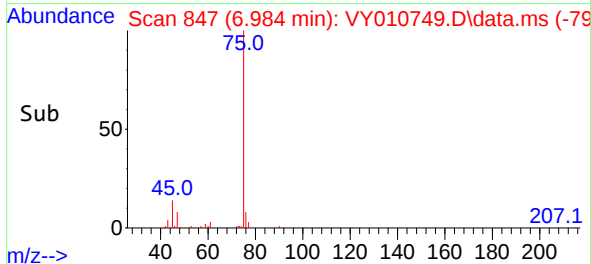
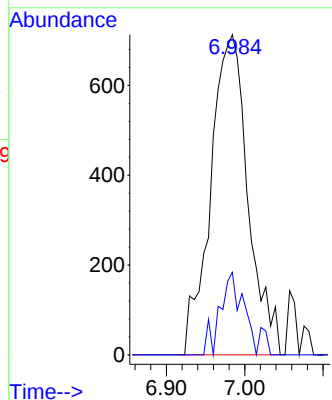


#25
2-Butanone
Concen: 4.249 ug/l
RT: 6.984 min Scan# 84
Delta R.T. 0.006 min
Lab File: VY010749.D
Acq: 30 Sep 2022 15:08

Instrument :
MSVOA_Y
ClientSampleId :

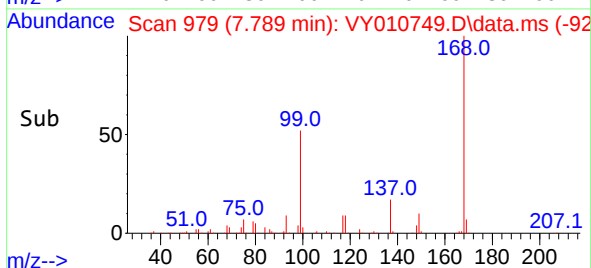
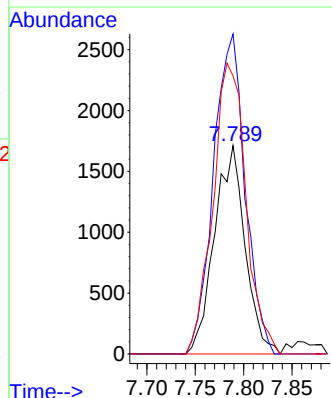
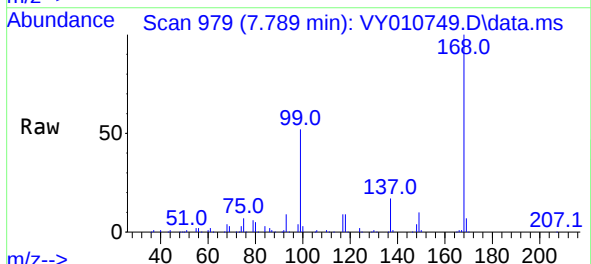


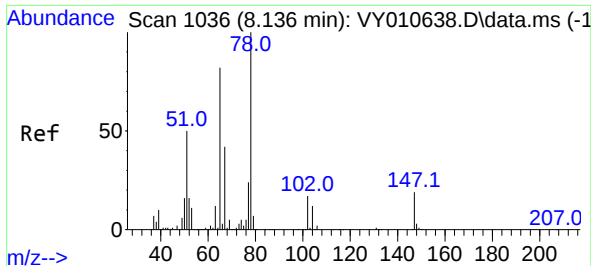
Tgt Ion: 43 Resp: 2372
Ion Ratio Lower Upper
43 100
72 25.8 17.7 26.5



#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 979
Delta R.T. 0.012 min
Lab File: VY010749.D
Acq: 30 Sep 2022 15:08

Tgt Ion: 56 Resp: 3771
Ion Ratio Lower Upper
56 100
69 153.7 26.7 40.1#
84 133.5 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 58.685 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.001 min

Lab File: VY010749.D

Acq: 30 Sep 2022 15:08

Instrument :

MSVOA_Y

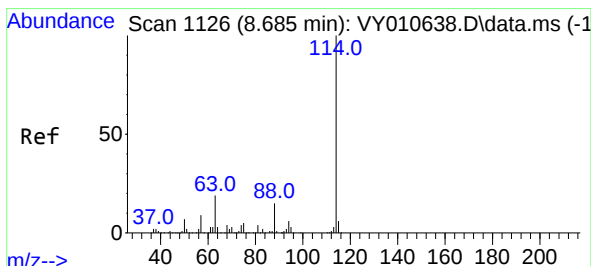
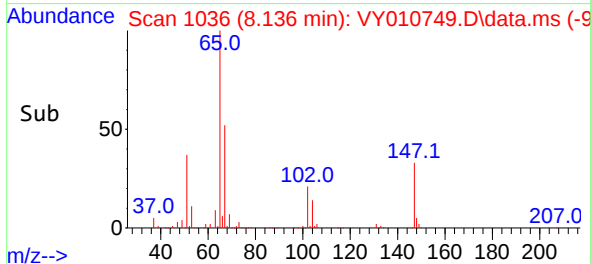
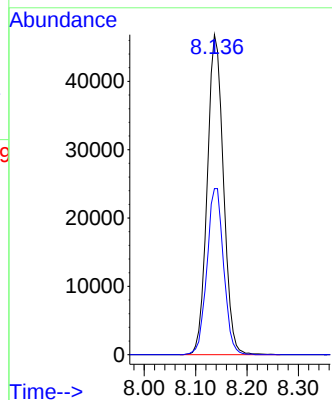
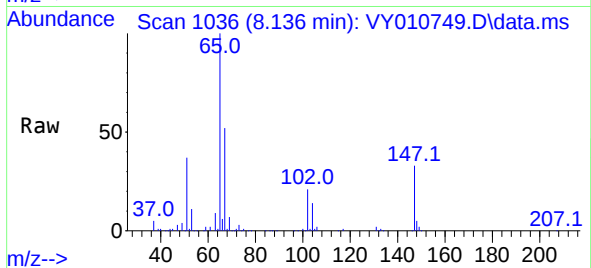
ClientSampleId :

Tgt Ion: 65 Resp: 102719

Ion Ratio Lower Upper

65 100

67 53.5 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: VY010749.D

Acq: 30 Sep 2022 15:08

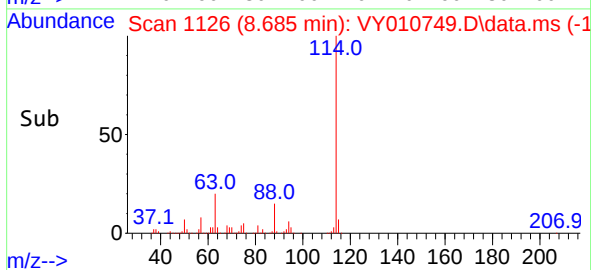
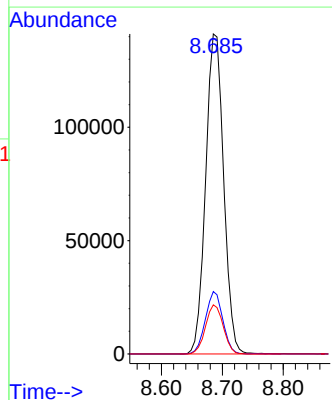
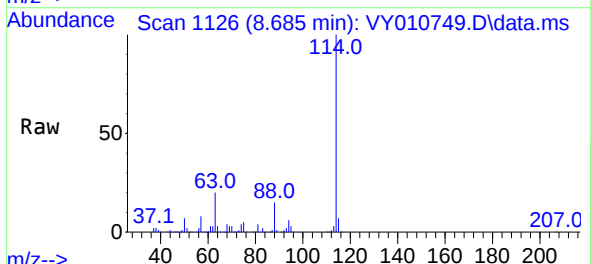
Tgt Ion:114 Resp: 289985

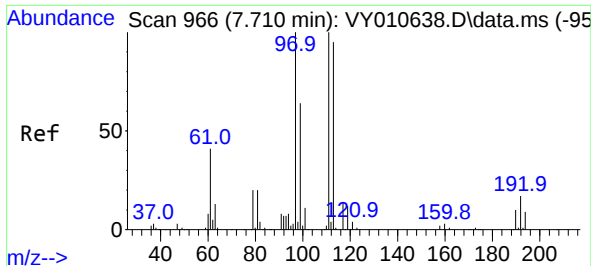
Ion Ratio Lower Upper

114 100

63 19.5 0.0 43.2

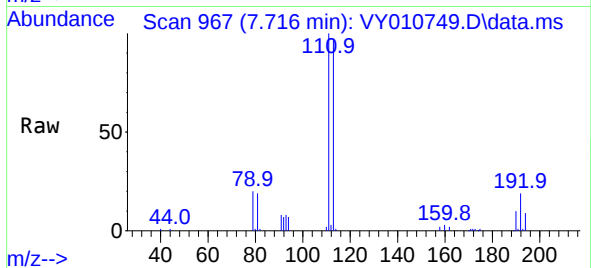
88 15.3 0.0 31.8



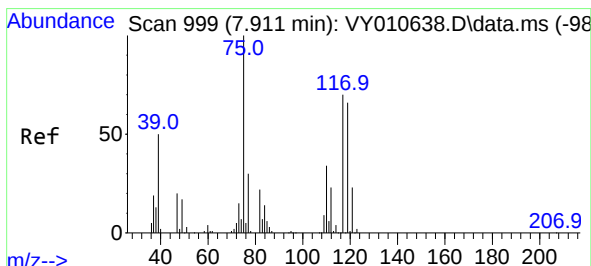
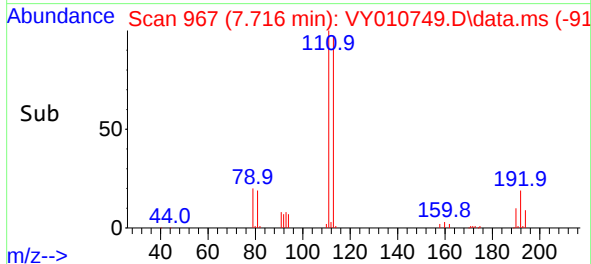
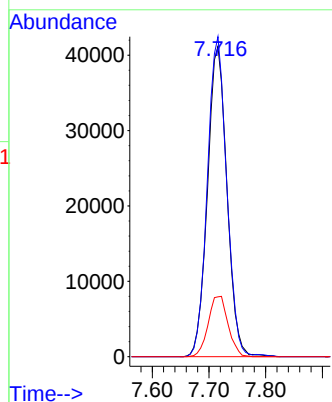


#35
 Dibromofluoromethane
 Concen: 53.086 ug/l
 RT: 7.716 min Scan# 91
 Delta R.T. 0.006 min
 Lab File: VY010749.D
 Acq: 30 Sep 2022 15:08

Instrument :
 MSVOA_Y
 ClientSampleId :

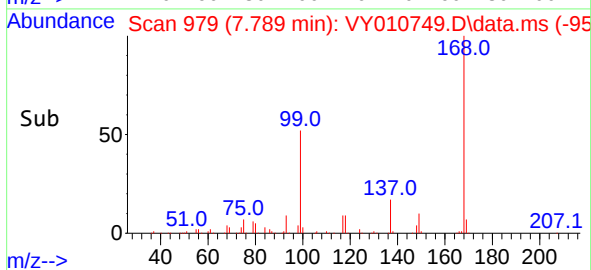
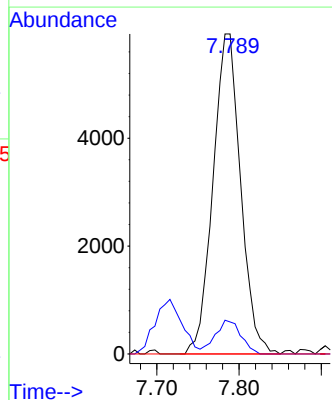
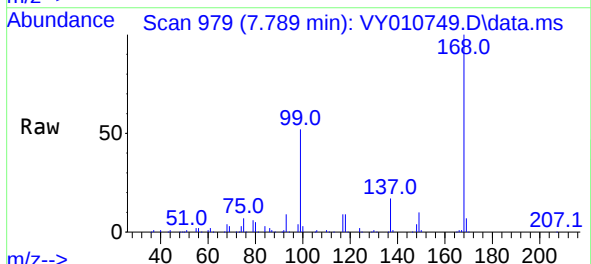


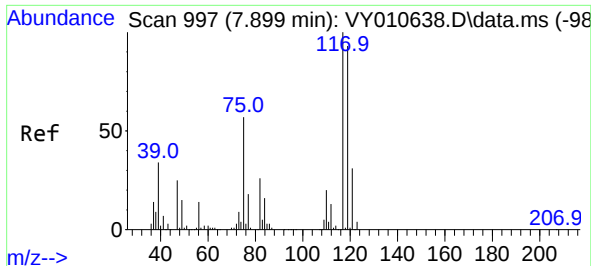
Tgt Ion:113 Resp: 98245
 Ion Ratio Lower Upper
 113 100
 111 102.4 82.6 124.0
 192 19.9 17.6 26.4



#36
 1,1-Dichloropropene
 Concen: 6.707 ug/l
 RT: 7.789 min Scan# 979
 Delta R.T. -0.122 min
 Lab File: VY010749.D
 Acq: 30 Sep 2022 15:08

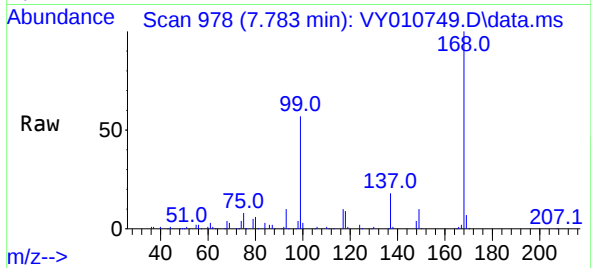
Tgt Ion: 75 Resp: 13831
 Ion Ratio Lower Upper
 75 100
 110 9.7 17.1 51.2#
 77 0.0 24.4 36.6#



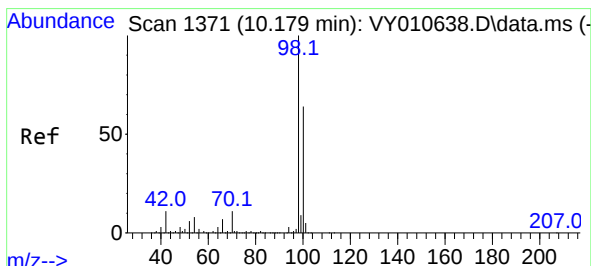
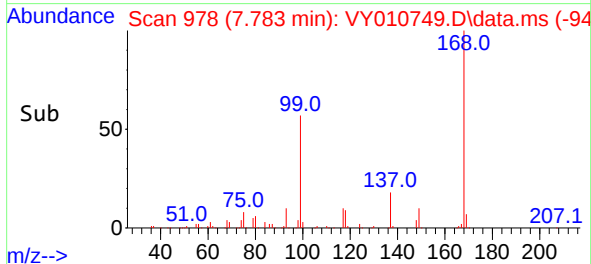
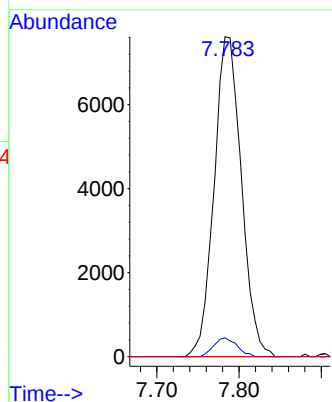


#38
Carbon Tetrachloride
Concen: 7.399 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY010749.D
Acq: 30 Sep 2022 15:08

Instrument :
MSVOA_Y
ClientSampleId :

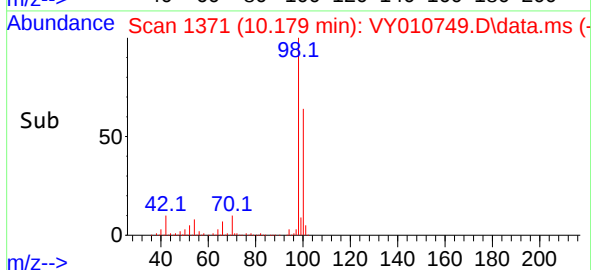
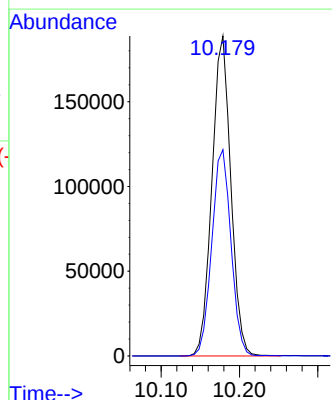
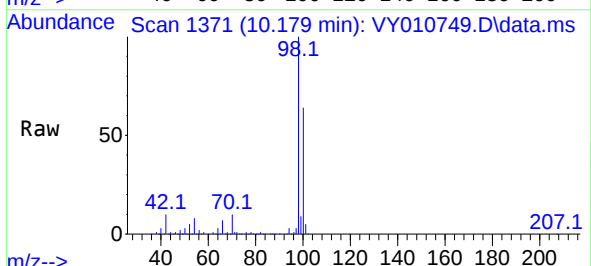


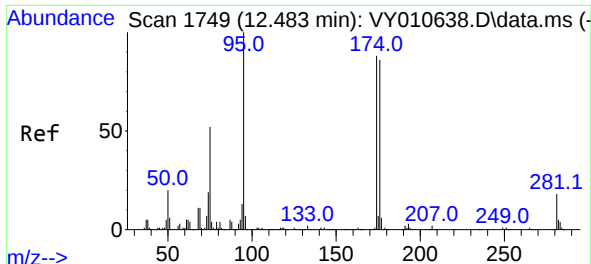
Tgt Ion:117 Resp: 17543
Ion Ratio Lower Upper
117 100
119 5.9 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 46.451 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.006 min
Lab File: VY010749.D
Acq: 30 Sep 2022 15:08

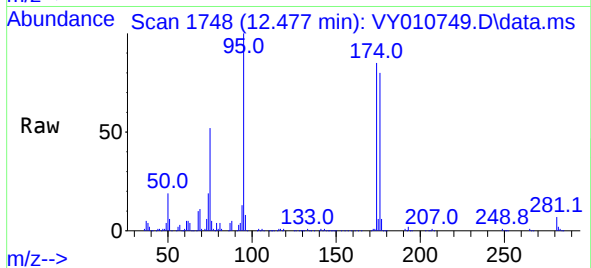
Tgt Ion: 98 Resp: 316095
Ion Ratio Lower Upper
98 100
100 65.5 50.2 75.2



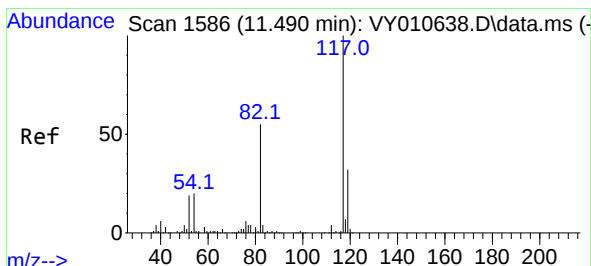
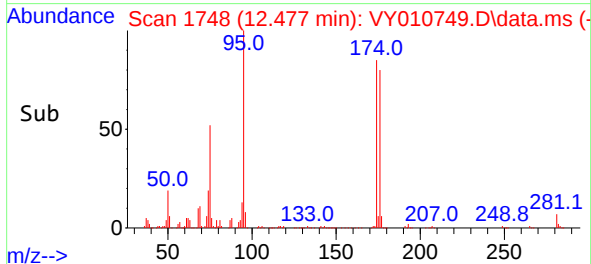
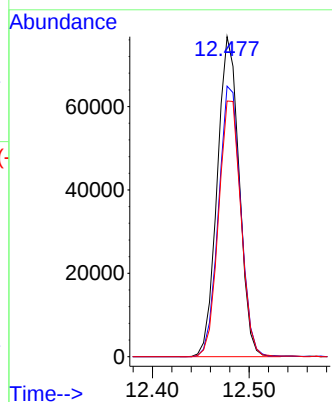


#62
4-Bromofluorobenzene
Concen: 47.315 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY010749.D
Acq: 30 Sep 2022 15:08

Instrument :
MSVOA_Y
ClientSampleId :

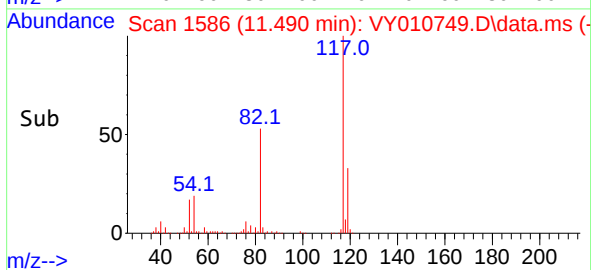
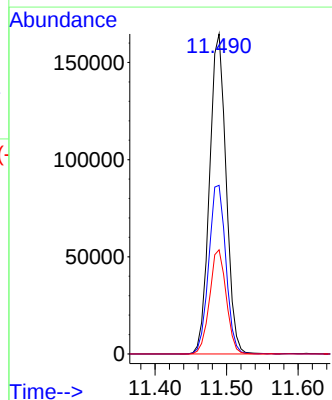
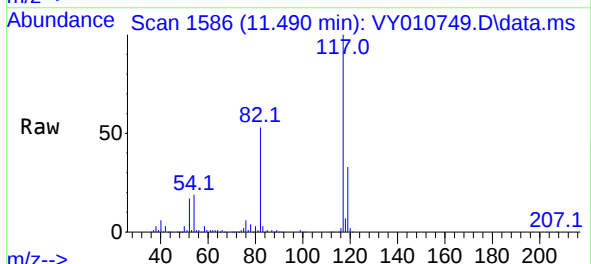


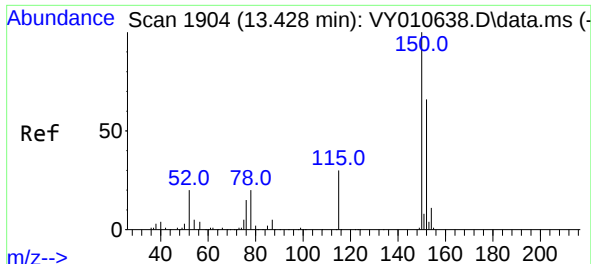
Tgt Ion: 95 Resp: 120474
Ion Ratio Lower Upper
95 100
174 85.7 0.0 177.0
176 81.6 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY010749.D
Acq: 30 Sep 2022 15:08

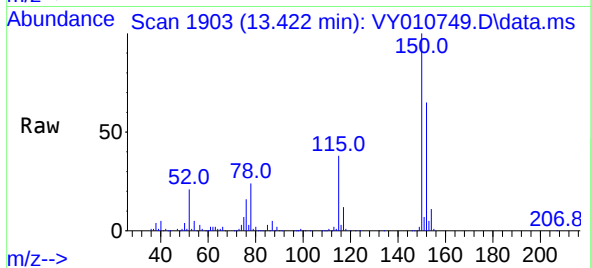
Tgt Ion: 117 Resp: 265230
Ion Ratio Lower Upper
117 100
82 52.7 43.0 64.4
119 32.5 25.4 38.0



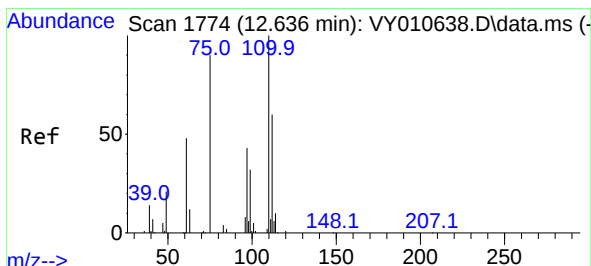
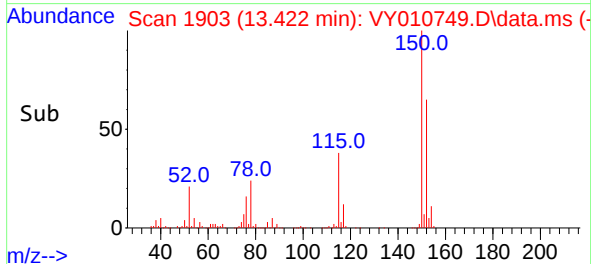
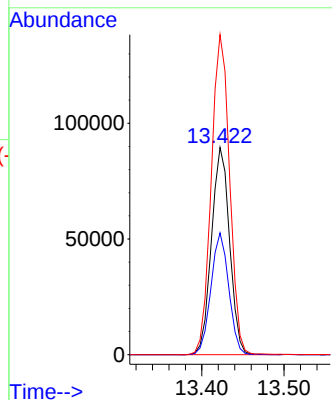


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY010749.D
Acq: 30 Sep 2022 15:08

Instrument :
MSVOA_Y
ClientSampleId :

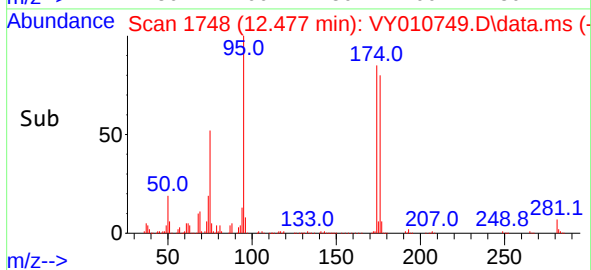
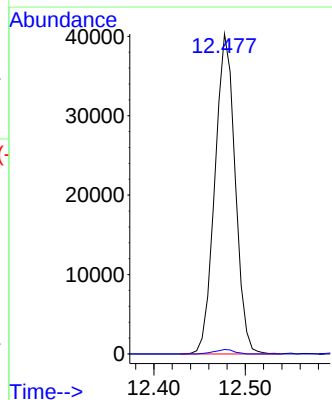
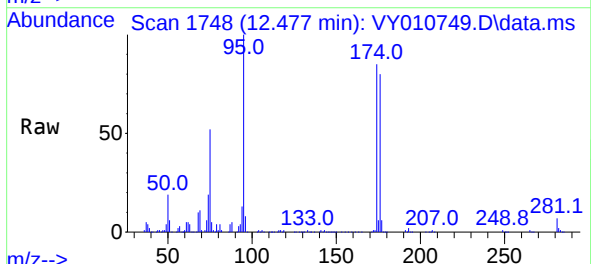


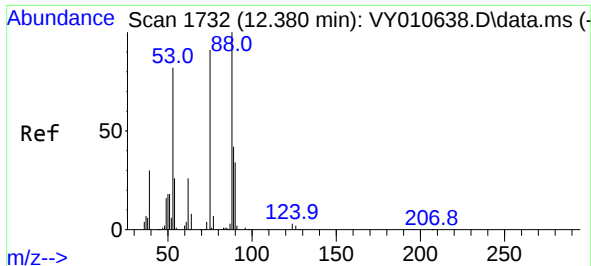
Tgt Ion:152 Resp: 137068
Ion Ratio Lower Upper
152 100
115 57.8 28.2 84.7
150 156.5 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 47.489 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY010749.D
Acq: 30 Sep 2022 15:08

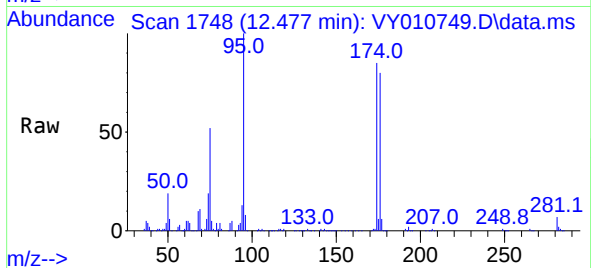
Tgt Ion: 75 Resp: 62126
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 105.588 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY010749.D
Acq: 30 Sep 2022 15:08

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 75 Resp: 62126
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.1 37.0 55.4#

