

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092322\
 Data File : VY010648.D
 Acq On : 23 Sep 2022 14:59
 Operator : KP/MD
 Sample : N4762-05
 Misc : 6.43g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 D22004-(17.5-18)

Quant Time: Sep 24 01:21:37 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)

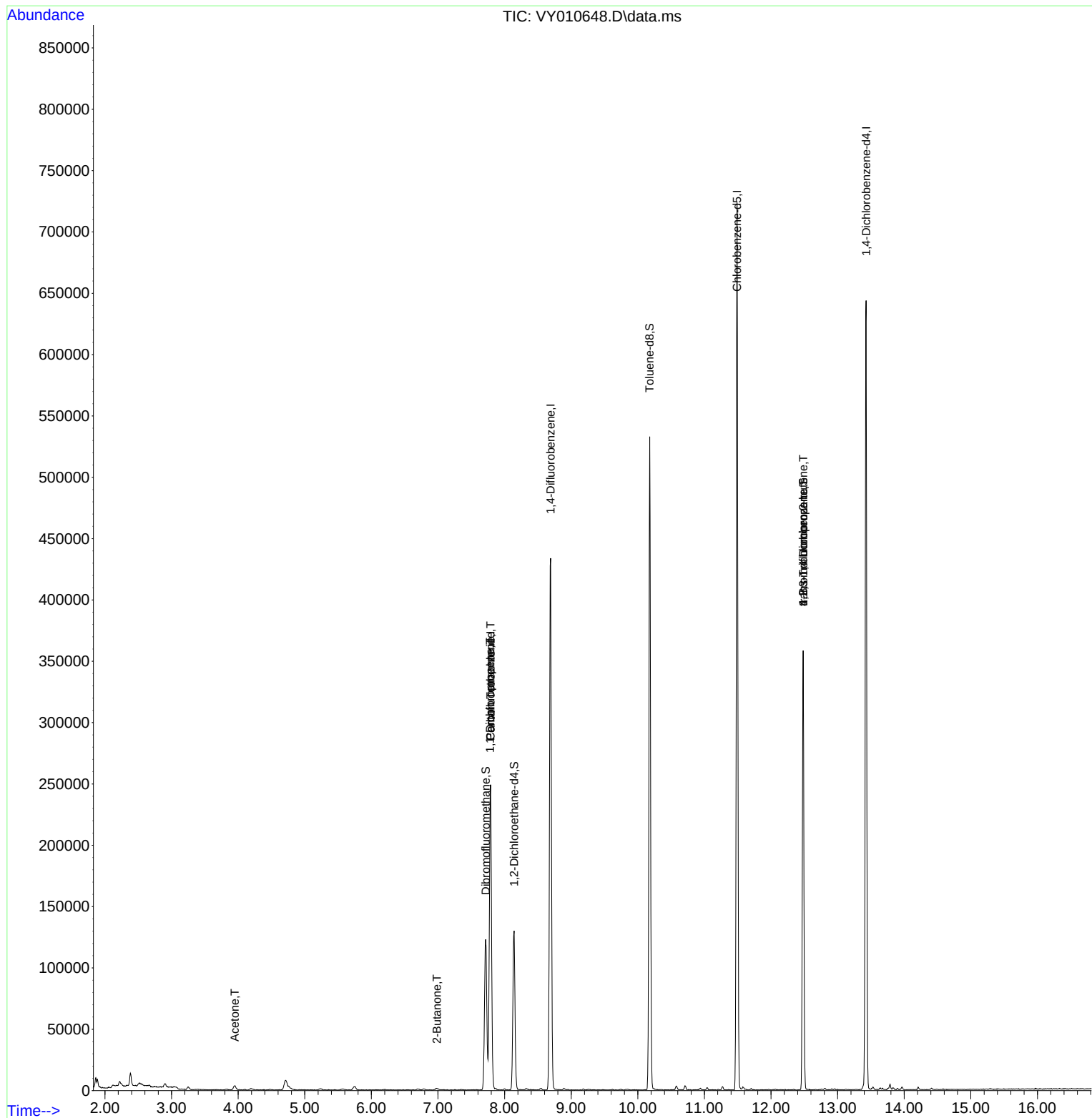
Internal Standards						
1) Pentafluorobenzene	7.789	168	194031	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	373734	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	378941	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	165519	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	101395	54.635	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.280%	
35) Dibromofluoromethane	7.716	113	88818	37.238	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 74.480%	
50) Toluene-d8	10.179	98	340468	39.334	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 78.660%	
62) 4-Bromofluorobenzene	12.483	95	105754	31.316	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 62.640%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.906	85	49	Below Cal	#	43
3) Chloromethane	2.113	50	336	Below Cal	#	81
4) Vinyl Chloride	2.332	62	23	Below Cal	#	43
5) Bromomethane	2.662	94	232	Below Cal		91
11) Tert butyl alcohol	4.942	59	343	Below Cal	#	77
16) Acetone	3.948	43	6111	16.147	ug/l #	76
17) Carbon Disulfide	4.186	76	758	Below Cal	#	75
18) Methyl Acetate	4.478	43	851	Below Cal	#	71
20) Methylene Chloride	4.704	84	6134	Below Cal	#	71
25) 2-Butanone	6.984	43	1608	2.716	ug/l	98
31) Cyclohexane	7.789	56	4526	Below Cal	#	18
36) 1,1-Dichloropropene	7.783	75	14308	5.384	ug/l #	51
38) Carbon Tetrachloride	7.789	117	18613	6.091	ug/l #	15
76) 1,2,3-Trichloropropane	12.483	75	54647	34.592	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	54647	76.913	ug/l #	7

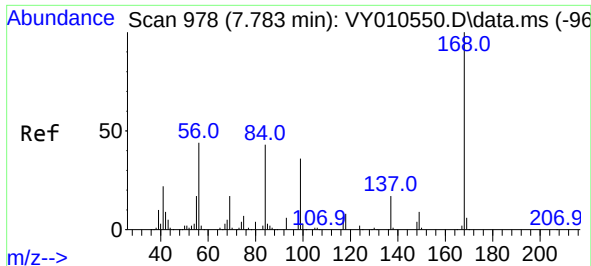
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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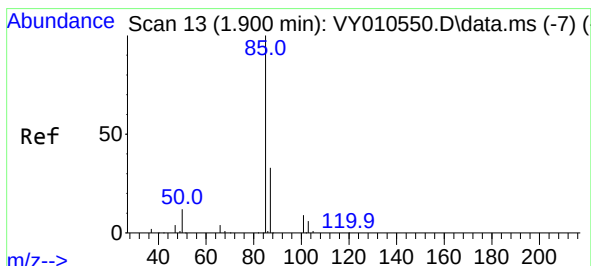
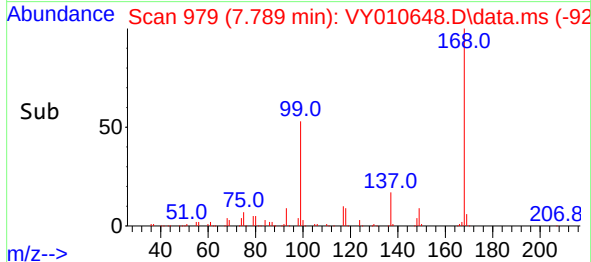
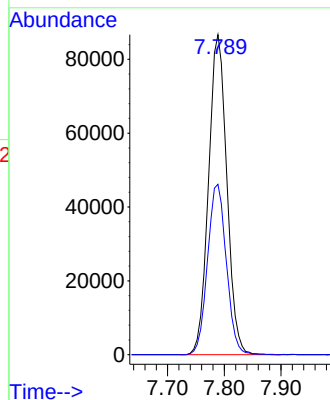
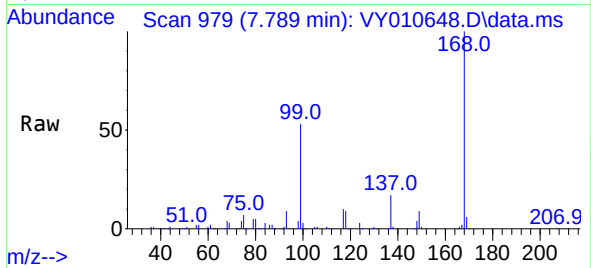




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010648.D
Acq: 23 Sep 2022 14:59

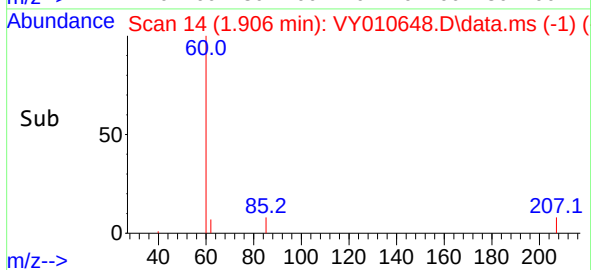
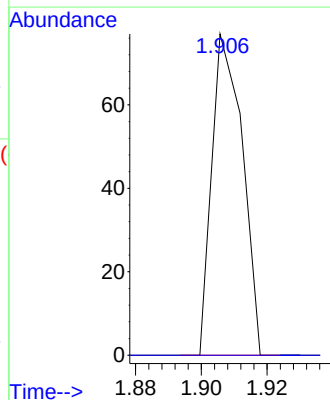
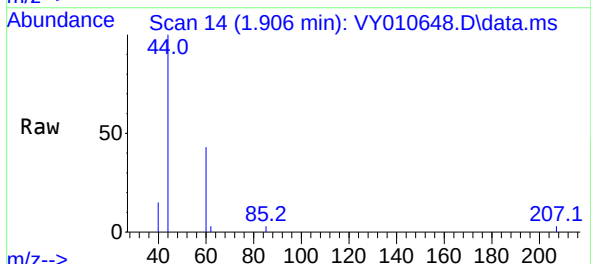
Instrument :
MSVOA_Y
ClientSampleId :
D22004-(17.5-18)

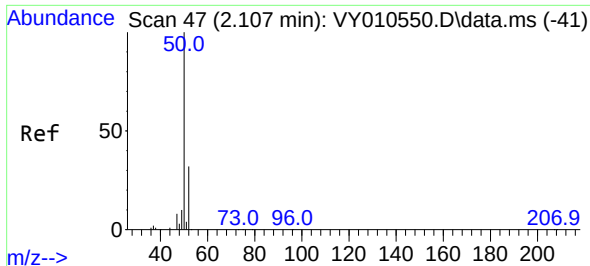
Tgt Ion:168 Resp: 194031
Ion Ratio Lower Upper
168 100
99 53.3 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY010648.D
Acq: 23 Sep 2022 14:59

Tgt Ion: 85 Resp: 49
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

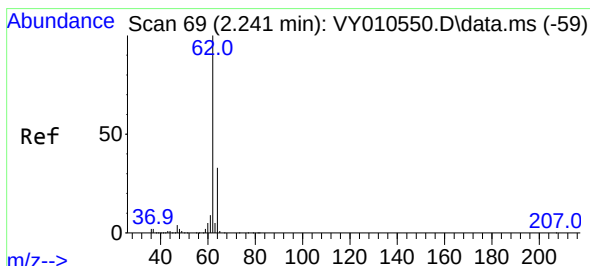
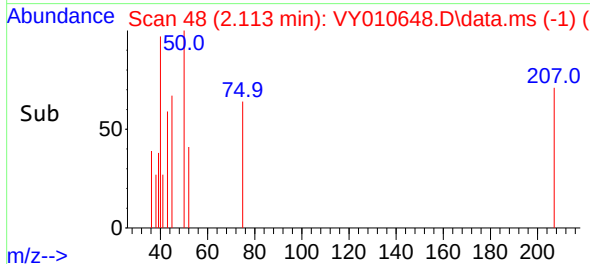
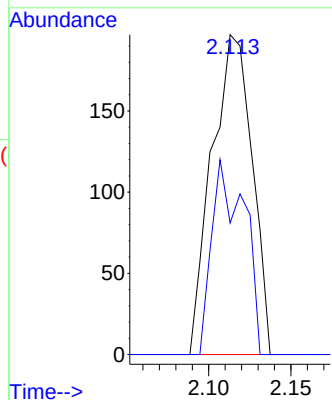
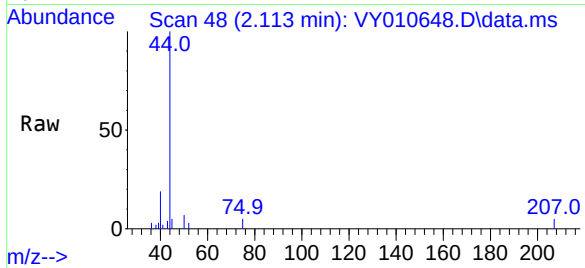




#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY010648.D
Acq: 23 Sep 2022 14:59

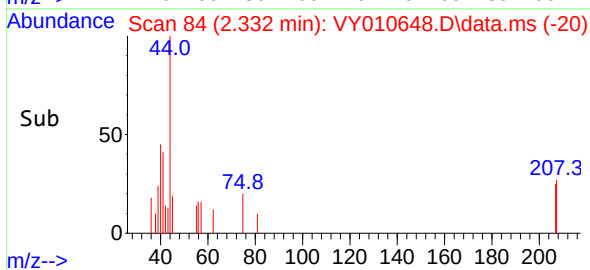
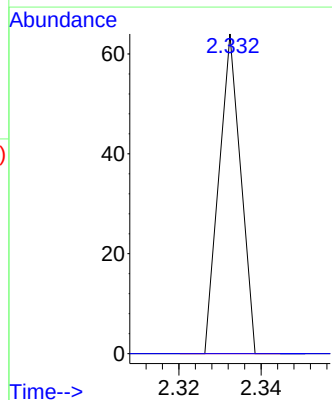
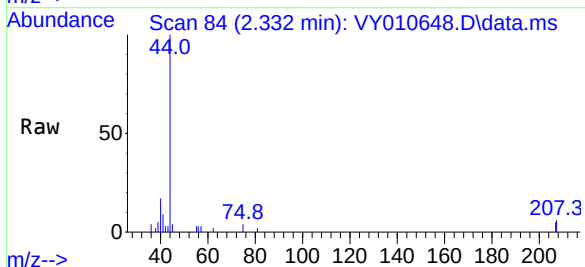
Instrument :
MSVOA_Y
ClientSampleId :
D22004-(17.5-18)

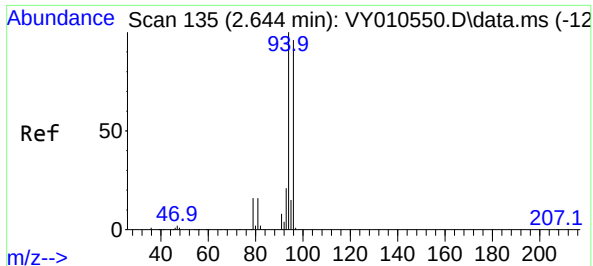
Tgt Ion: 50 Resp: 336
Ion Ratio Lower Upper
50 100
52 41.1 24.6 37.0#



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.332 min Scan# 84
Delta R.T. 0.091 min
Lab File: VY010648.D
Acq: 23 Sep 2022 14:59

Tgt Ion: 62 Resp: 23
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

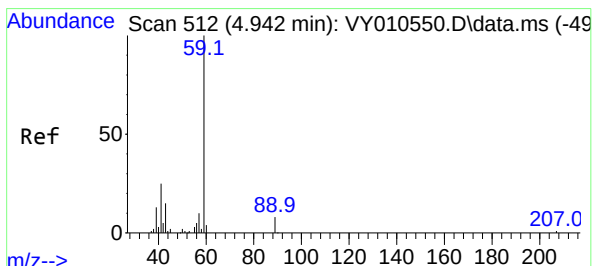
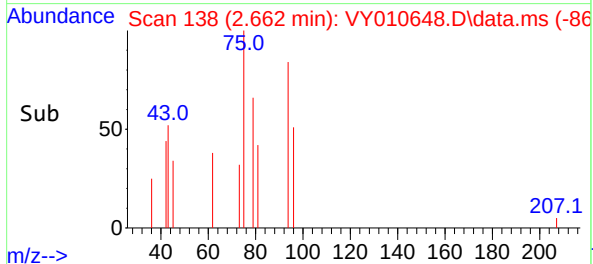
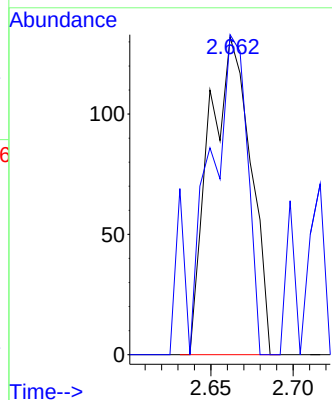
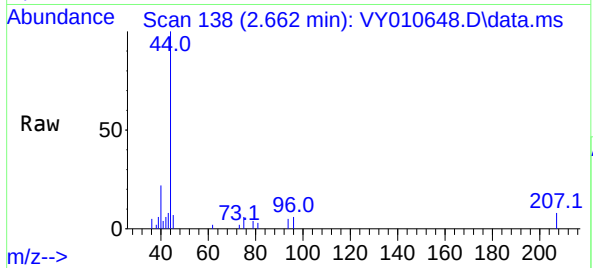




#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 11
Delta R.T. 0.018 min
Lab File: VY010648.D
Acq: 23 Sep 2022 14:59

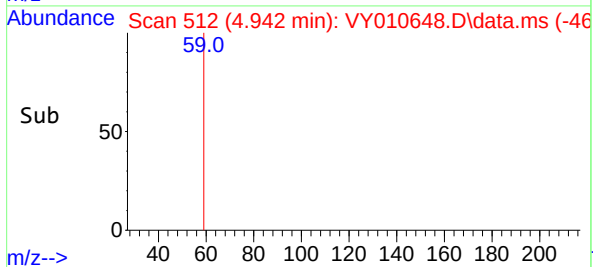
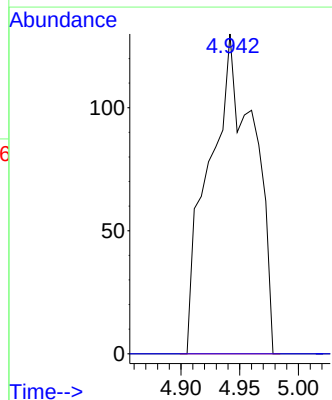
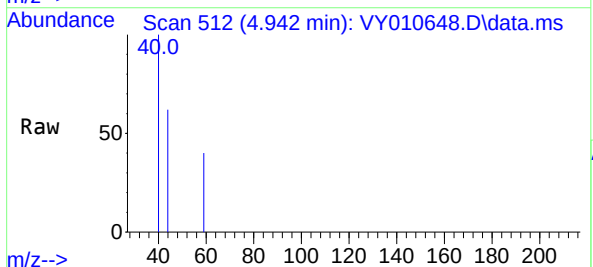
Instrument :
MSVOA_Y
ClientSampleId :
D22004-(17.5-18)

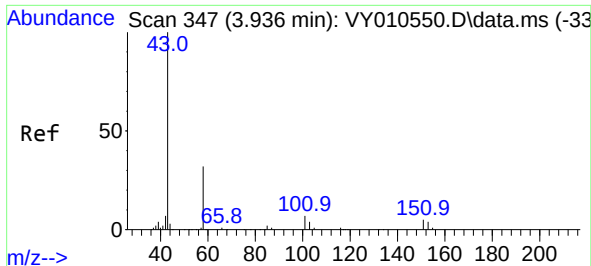
Tgt Ion: 94 Resp: 232
Ion Ratio Lower Upper
94 100
96 100.8 73.5 110.3



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.942 min Scan# 512
Delta R.T. -0.000 min
Lab File: VY010648.D
Acq: 23 Sep 2022 14:59

Tgt Ion: 59 Resp: 343
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

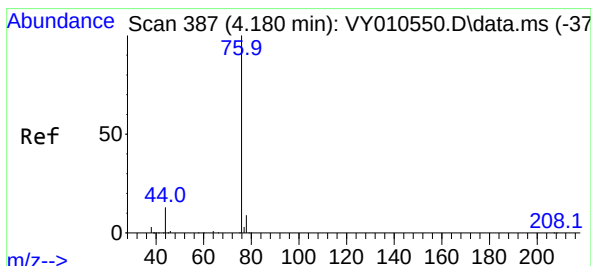
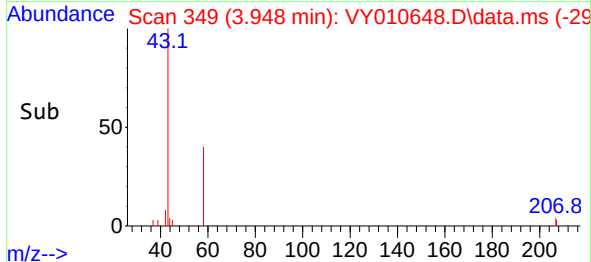
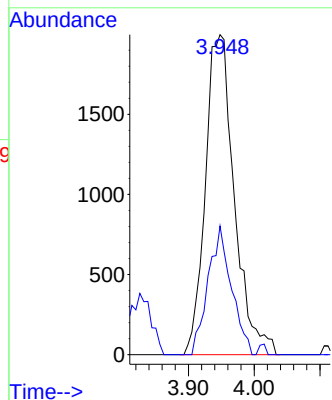
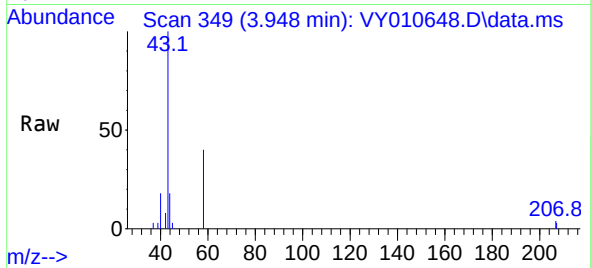




#16
Acetone
Concen: 16.147 ug/l
RT: 3.948 min Scan# 347
Delta R.T. 0.012 min
Lab File: VY010648.D
Acq: 23 Sep 2022 14:59

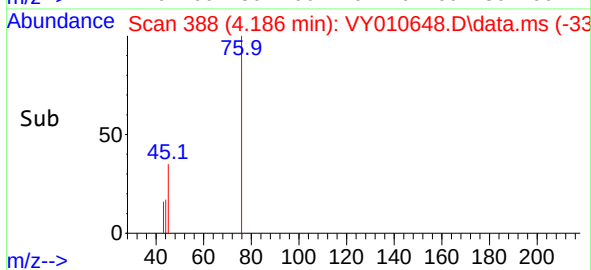
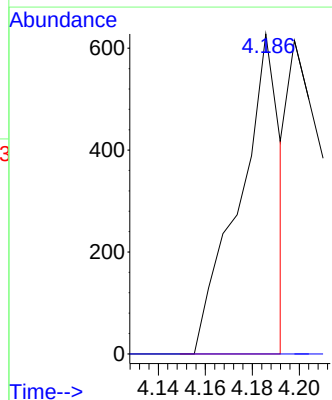
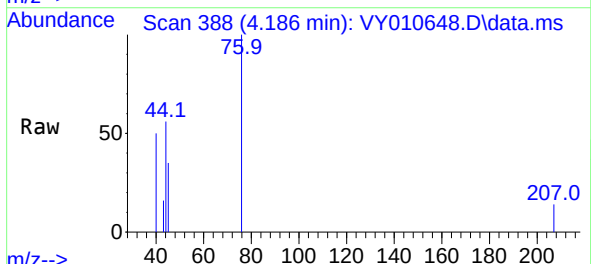
Instrument :
MSVOA_Y
ClientSampleId :
D22004-(17.5-18)

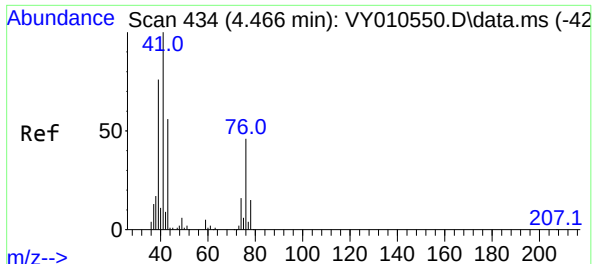
Tgt Ion: 43 Resp: 6111
Ion Ratio Lower Upper
43 100
58 40.2 22.0 33.0#



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.186 min Scan# 388
Delta R.T. 0.006 min
Lab File: VY010648.D
Acq: 23 Sep 2022 14:59

Tgt Ion: 76 Resp: 758
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: VY010648.D

Acq: 23 Sep 2022 14:59

Instrument :

MSVOA_Y

ClientSampleId :

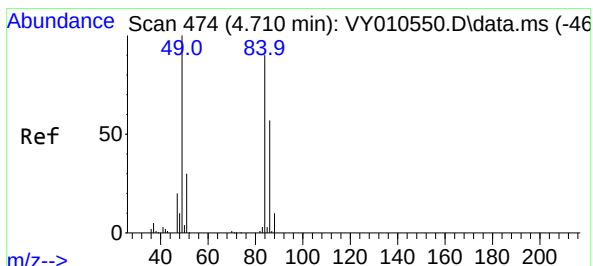
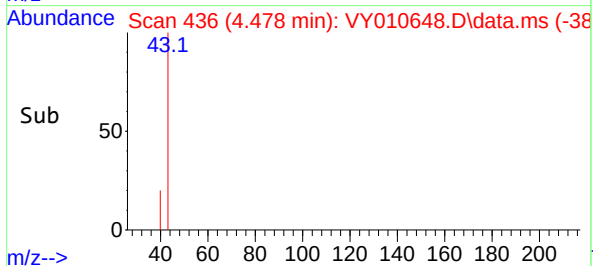
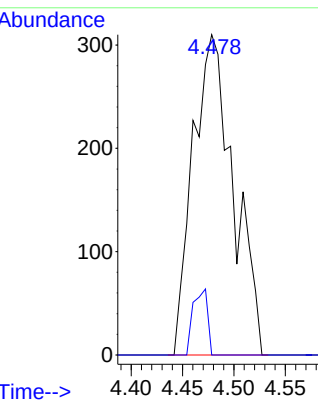
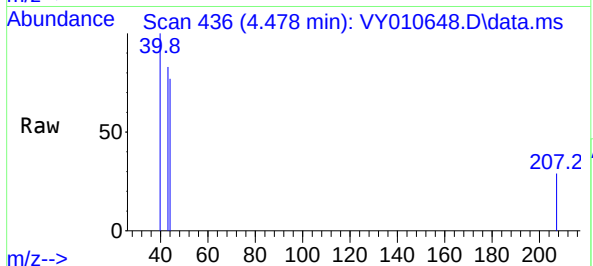
D22004-(17.5-18)

Tgt Ion: 43 Resp: 851

Ion Ratio Lower Upper

43 100

74 7.4 16.6 24.8#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.704 min Scan# 473

Delta R.T. -0.006 min

Lab File: VY010648.D

Acq: 23 Sep 2022 14:59

Tgt Ion: 84 Resp: 6134

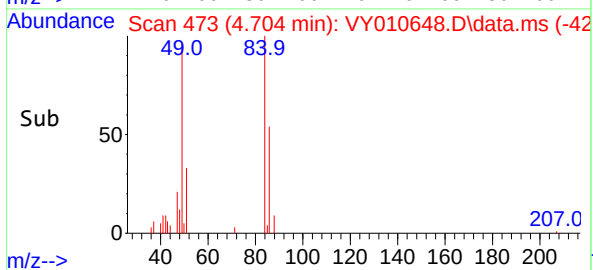
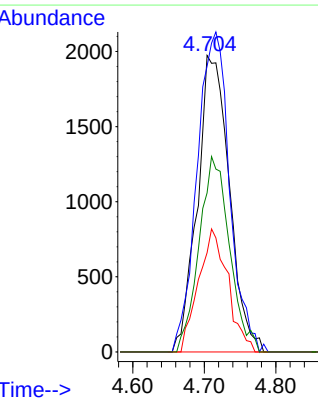
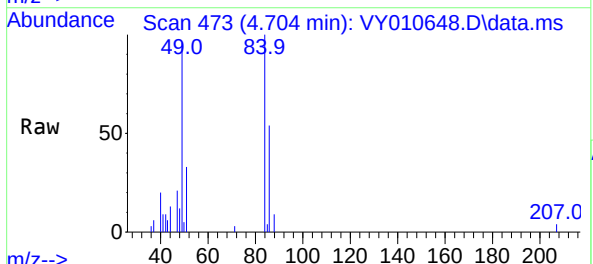
Ion Ratio Lower Upper

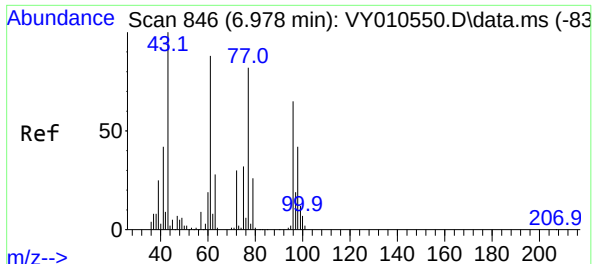
84 100

49 96.4 114.4 171.6#

51 33.4 35.3 52.9#

86 53.6 53.7 80.5#

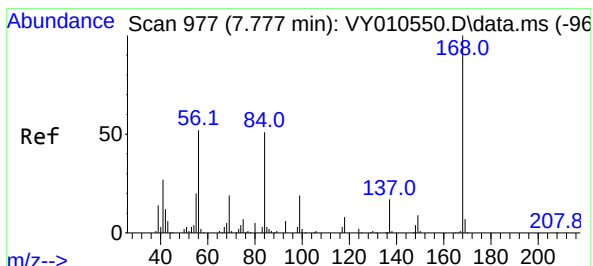
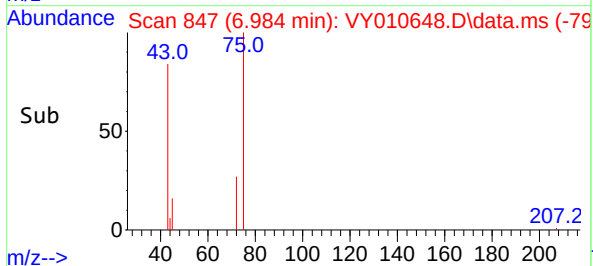
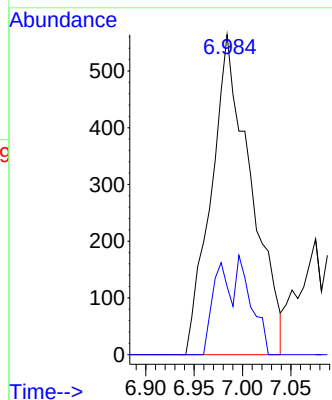
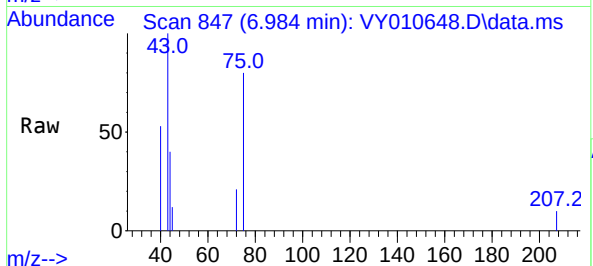




#25
2-Butanone
Concen: 2.716 ug/l
RT: 6.984 min Scan# 846
Delta R.T. 0.006 min
Lab File: VY010648.D
Acq: 23 Sep 2022 14:59

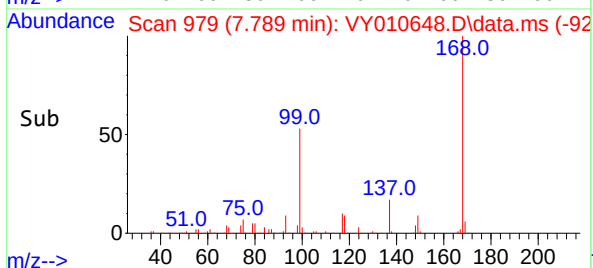
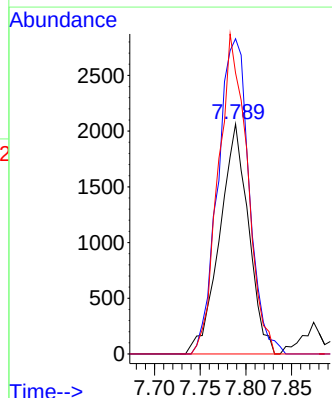
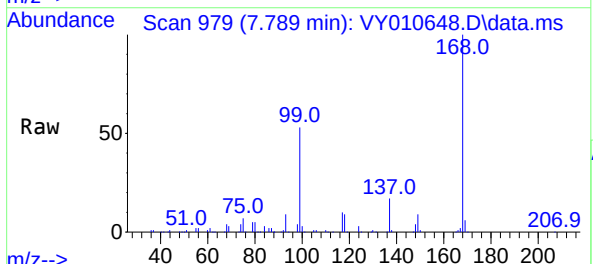
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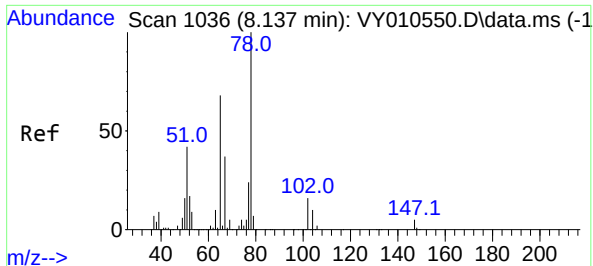
Tgt Ion: 43 Resp: 1608
Ion Ratio Lower Upper
43 100
72 21.3 17.7 26.5



#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 979
Delta R.T. 0.012 min
Lab File: VY010648.D
Acq: 23 Sep 2022 14:59

Tgt Ion: 56 Resp: 4526
Ion Ratio Lower Upper
56 100
69 137.1 26.7 40.1#
84 122.1 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 54.635 ug/l

RT: 8.142 min Scan# 1036

Delta R.T. 0.005 min

Lab File: VY010648.D

Acq: 23 Sep 2022 14:59

Instrument :

MSVOA_Y

ClientSampleId :

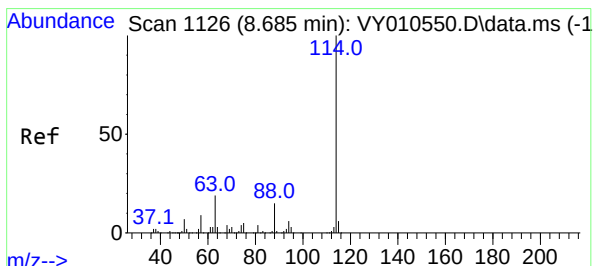
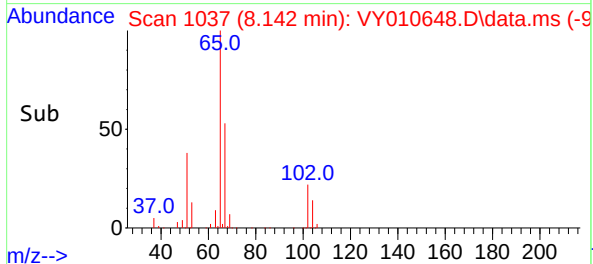
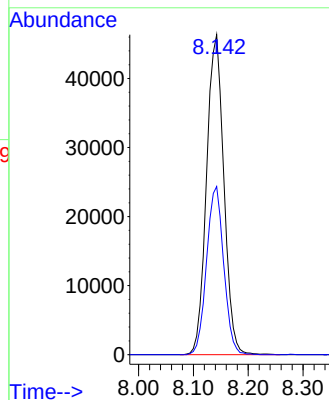
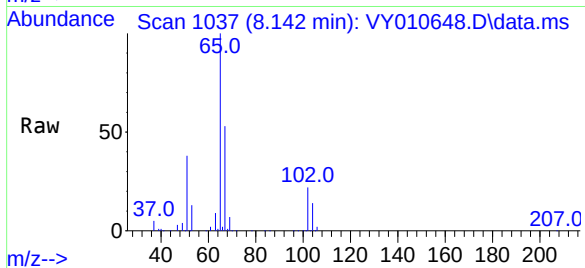
D22004-(17.5-18)

Tgt Ion: 65 Resp: 101395

Ion Ratio Lower Upper

65 100

67 52.0 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY010648.D

Acq: 23 Sep 2022 14:59

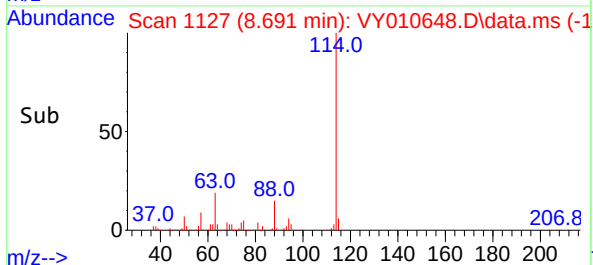
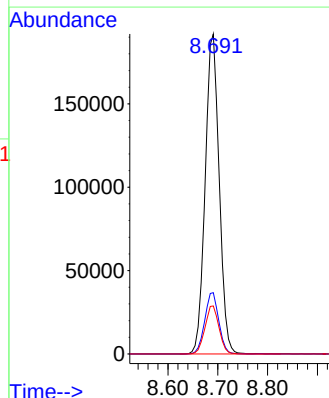
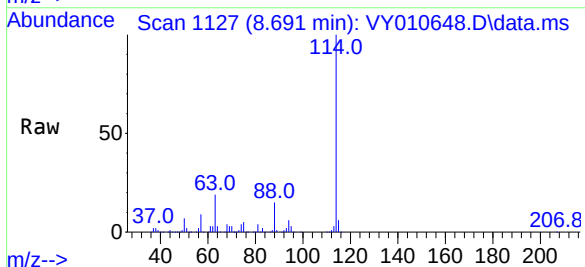
Tgt Ion: 114 Resp: 373734

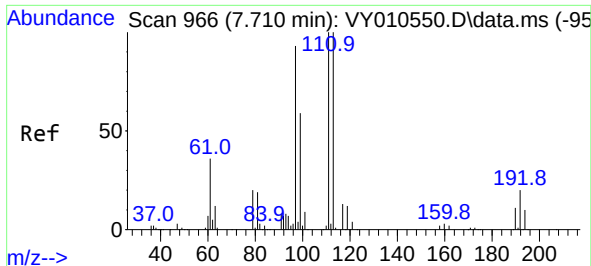
Ion Ratio Lower Upper

114 100

63 19.2 0.0 43.2

88 15.0 0.0 31.8

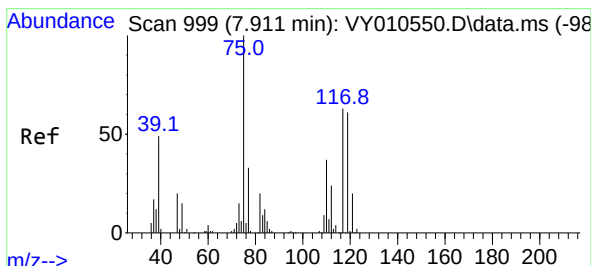
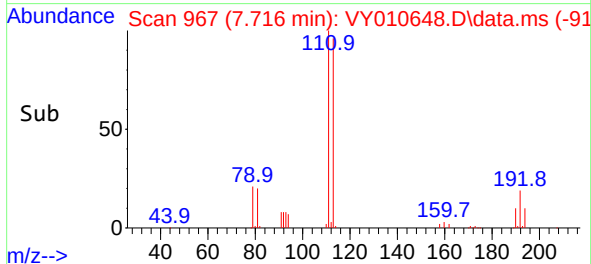
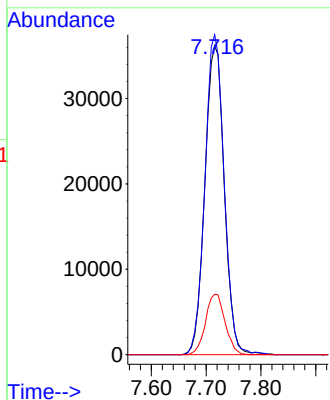
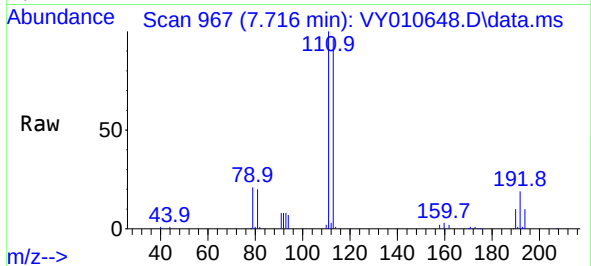




#35
Dibromofluoromethane
Concen: 37.238 ug/l
RT: 7.716 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010648.D
Acq: 23 Sep 2022 14:59

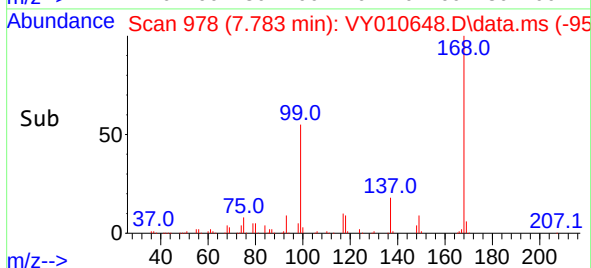
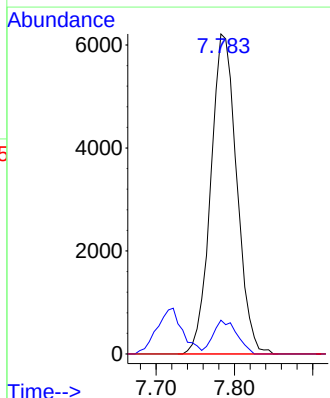
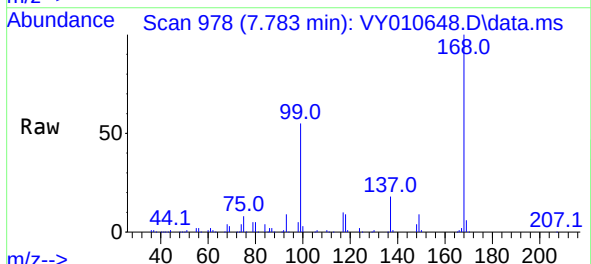
Instrument :
MSVOA_Y
ClientSampleId :
D22004-(17.5-18)

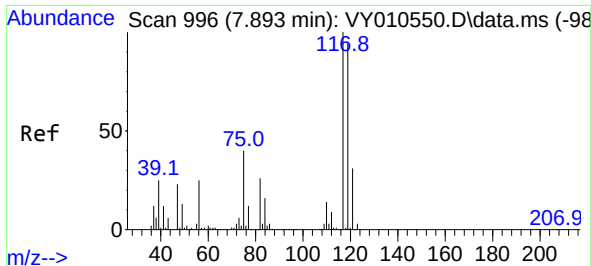
Tgt Ion:113 Resp: 88818
Ion Ratio Lower Upper
113 100
111 102.4 82.6 124.0
192 19.6 17.6 26.4



#36
1,1-Dichloropropene
Concen: 5.384 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY010648.D
Acq: 23 Sep 2022 14:59

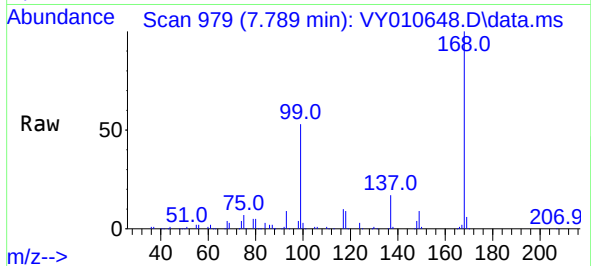
Tgt Ion: 75 Resp: 14308
Ion Ratio Lower Upper
75 100
110 9.7 17.1 51.2#
77 0.0 24.4 36.6#



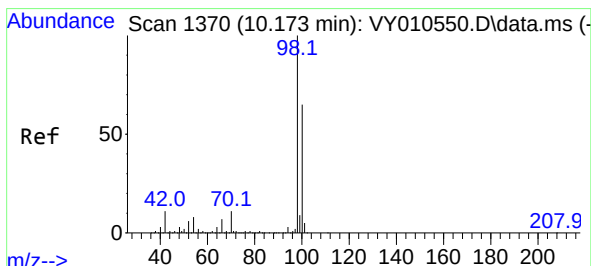
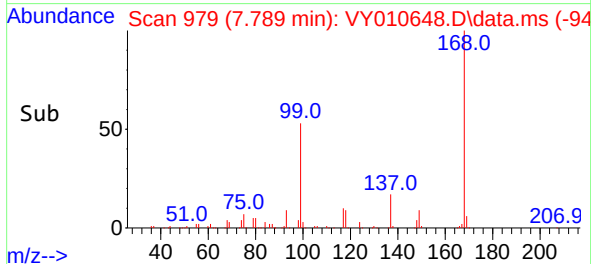
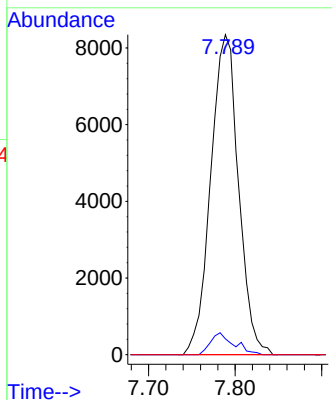


#38
Carbon Tetrachloride
Concen: 6.091 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY010648.D
Acq: 23 Sep 2022 14:59

Instrument :
MSVOA_Y
ClientSampleId :
D22004-(17.5-18)

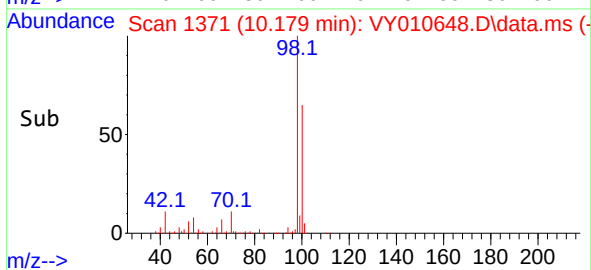
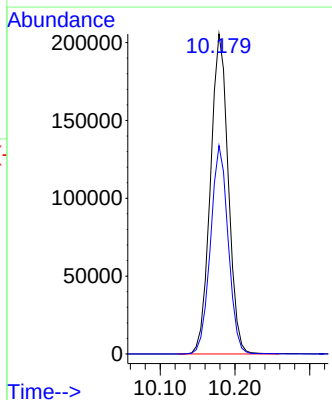
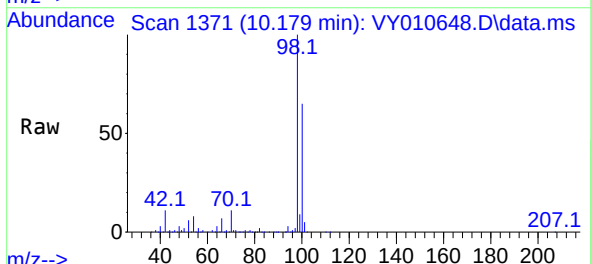


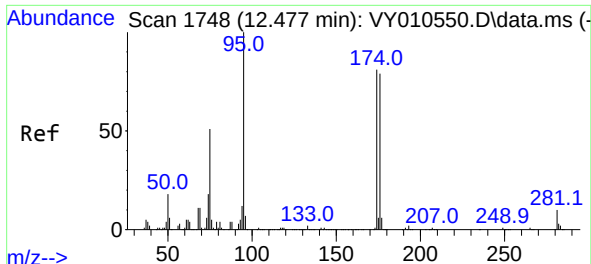
Tgt Ion:117 Resp: 18613
Ion Ratio Lower Upper
117 100
119 4.9 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 39.334 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.006 min
Lab File: VY010648.D
Acq: 23 Sep 2022 14:59

Tgt Ion: 98 Resp: 340468
Ion Ratio Lower Upper
98 100
100 64.5 50.2 75.2

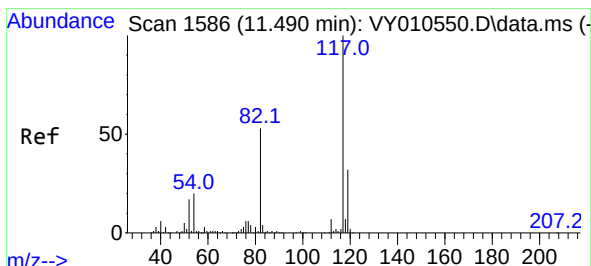
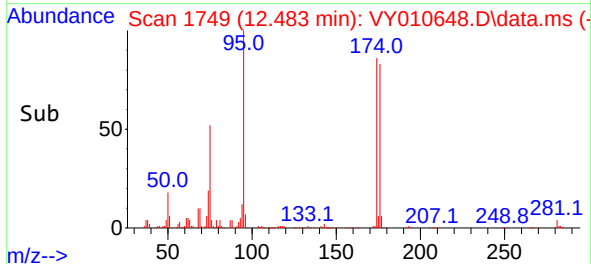
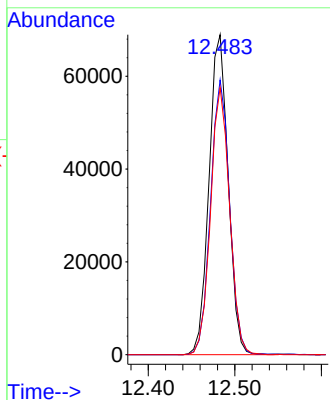
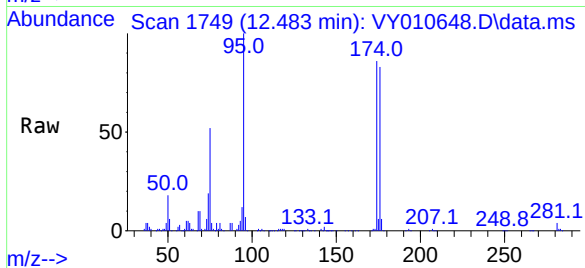




#62
4-Bromofluorobenzene
Concen: 31.316 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY010648.D
Acq: 23 Sep 2022 14:59

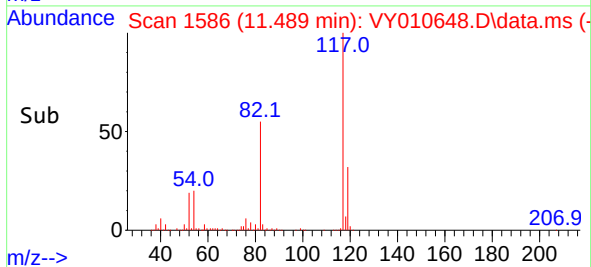
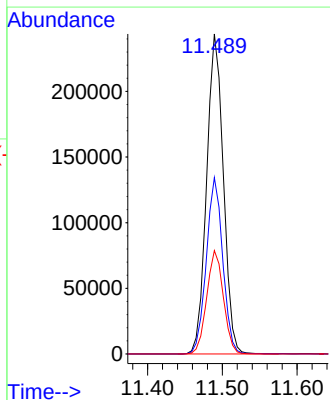
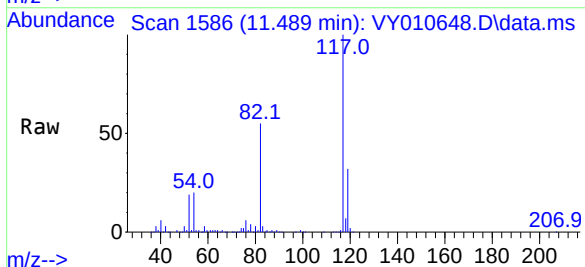
Instrument :
MSVOA_Y
ClientSampleId :
D22004-(17.5-18)

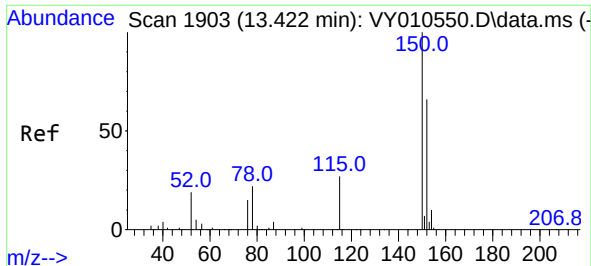
Tgt Ion: 95 Resp: 105754
Ion Ratio Lower Upper
95 100
174 85.8 0.0 177.0
176 83.0 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY010648.D
Acq: 23 Sep 2022 14:59

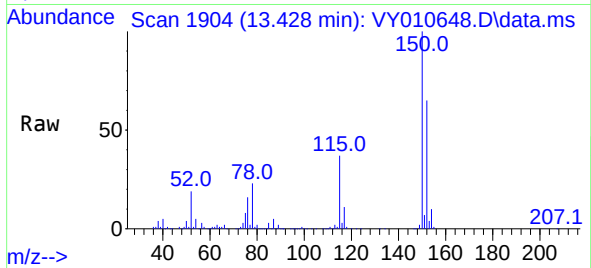
Tgt Ion: 117 Resp: 378941
Ion Ratio Lower Upper
117 100
82 55.1 43.0 64.4
119 32.3 25.4 38.0



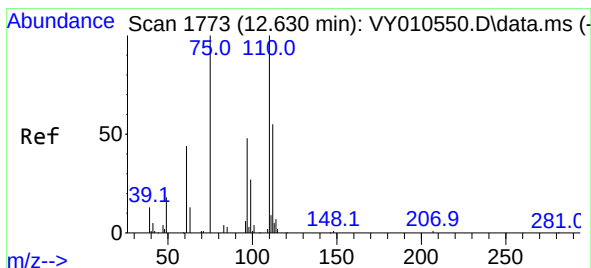
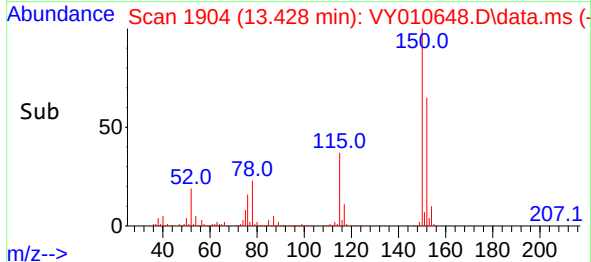
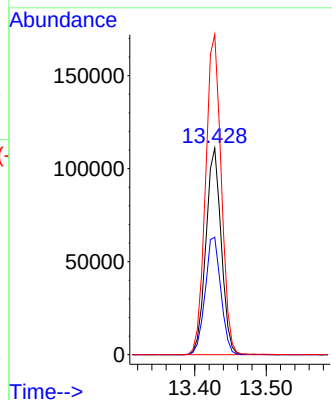


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1903
Delta R.T. 0.006 min
Lab File: VY010648.D
Acq: 23 Sep 2022 14:59

Instrument :
MSVOA_Y
ClientSampleId :
D22004-(17.5-18)

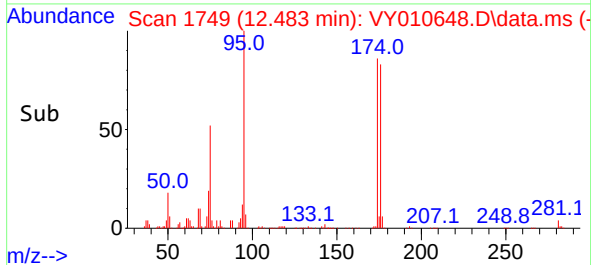
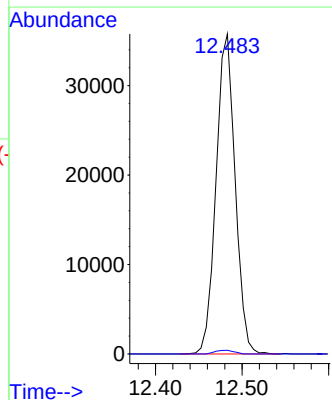
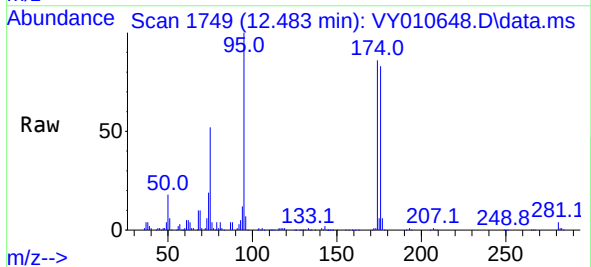


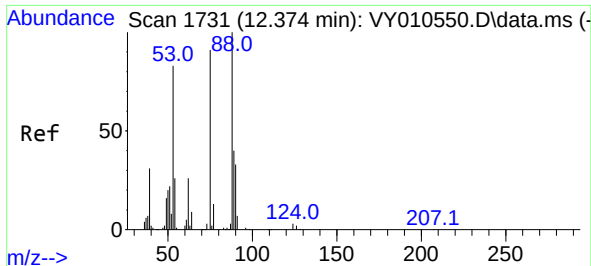
Tgt Ion:152 Resp: 165519
Ion Ratio Lower Upper
152 100
115 58.4 28.2 84.7
150 158.7 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 34.592 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY010648.D
Acq: 23 Sep 2022 14:59

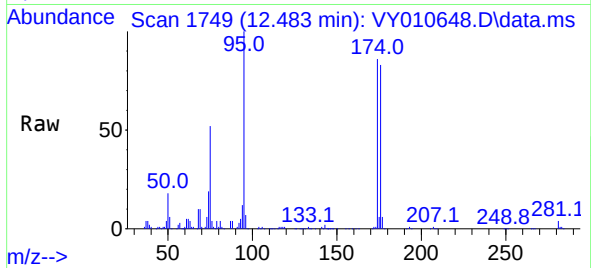
Tgt Ion: 75 Resp: 54647
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 76.913 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.109 min
 Lab File: VY010648.D
 Acq: 23 Sep 2022 14:59

Instrument :
 MSVOA_Y
 ClientSampleId :
 D22004-(17.5-18)



Tgt Ion: 75 Resp: 54647
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.3 127.9#
 89 0.0 37.0 55.4#

