

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092322\
 Data File : VY010661.D
 Acq On : 23 Sep 2022 20:04
 Operator : KP/MD
 Sample : N4780-31
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SP-4

Quant Time: Sep 24 01:24:54 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)

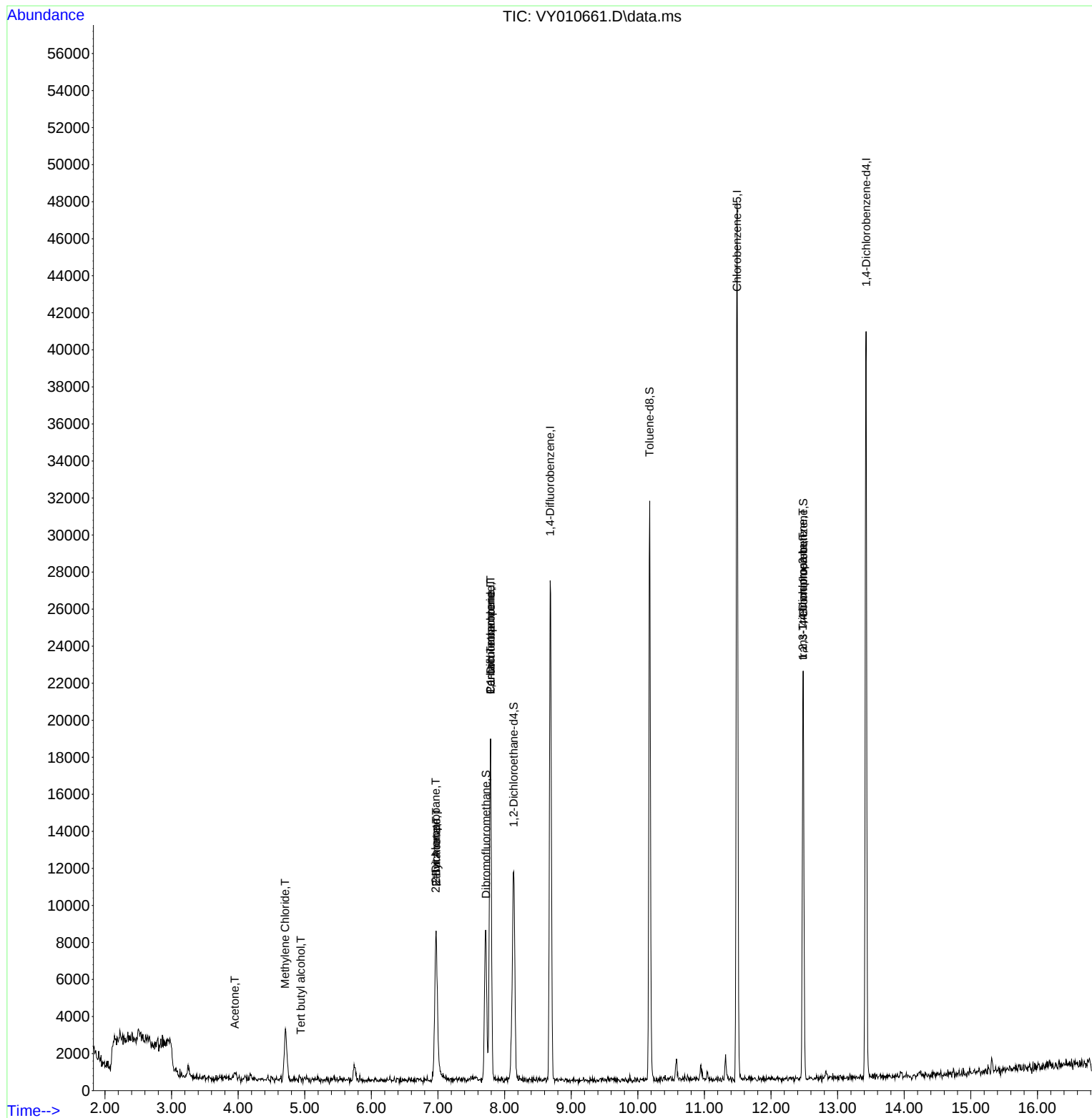
Internal Standards						
1) Pentafluorobenzene	7.789	168	14204	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	24036	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	26394	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	10945	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	8129	59.835	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 119.660%	
35) Dibromofluoromethane	7.722	113	5878	38.319	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 76.640%	
50) Toluene-d8	10.179	98	20527	37.069	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 74.140%	
62) 4-Bromofluorobenzene	12.483	95	6378	29.189	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 58.380%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	65	Below Cal	#	43
3) Chloromethane	2.119	50	68	Below Cal	#	44
4) Vinyl Chloride	2.436	62	42	Below Cal	#	43
5) Bromomethane	2.668	94	73	Below Cal		82
11) Tert butyl alcohol	4.942	59	154	1.574	ug/l #	77
16) Acetone	3.948	43	640	23.101	ug/l #	88
18) Methyl Acetate	4.247	43	28	Below Cal	#	56
20) Methylene Chloride	4.704	84	2201	4.019	ug/l #	70
25) 2-Butanone	6.972	43	406	9.369	ug/l #	54
26) 2,2-Dichloropropane	6.966	77	654	3.175	ug/l #	55
31) Cyclohexane	7.783	56	230	Below Cal	#	1
36) 1,1-Dichloropropene	7.789	75	1063	6.219	ug/l #	42
37) Ethyl Acetate	6.972	43	406	4.113	ug/l #	47
38) Carbon Tetrachloride	7.789	117	1551	7.892	ug/l #	11
76) 1,2,3-Trichloropropane	12.477	75	3313	31.715	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	3313	70.516	ug/l #	7

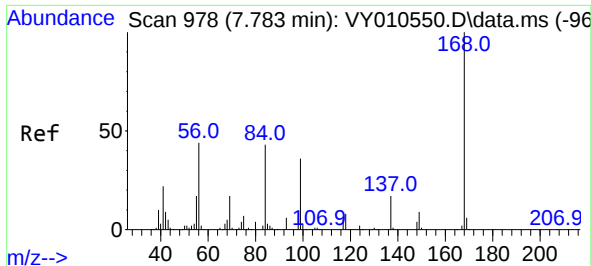
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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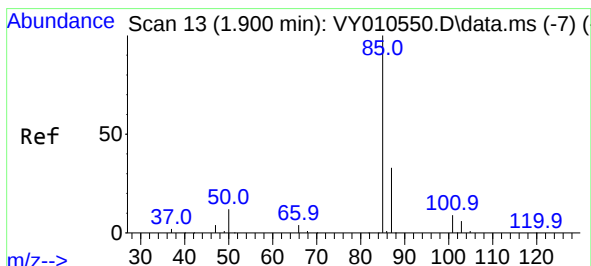
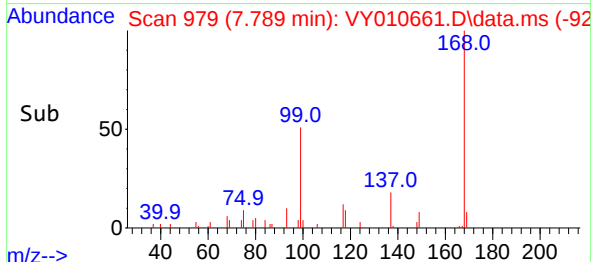
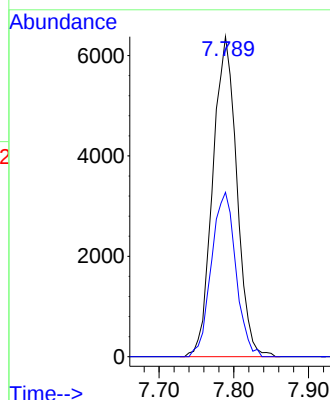
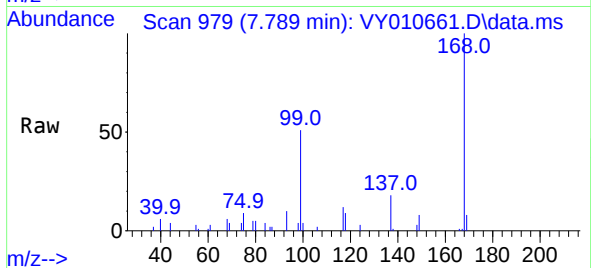




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010661.D
Acq: 23 Sep 2022 20:04

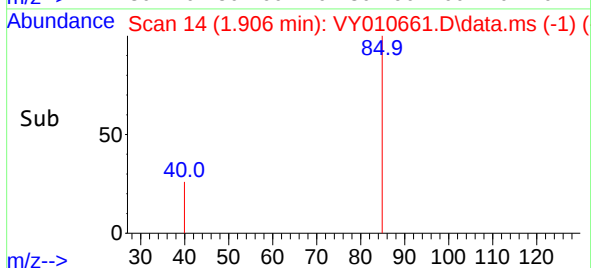
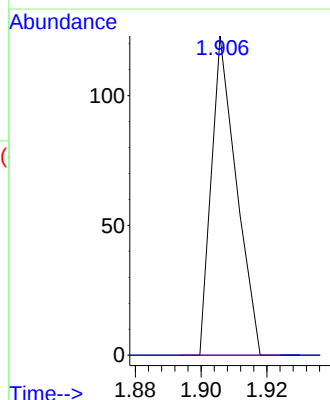
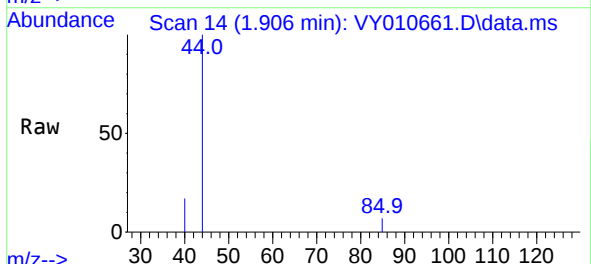
Instrument :
MSVOA_Y
ClientSampleId :
SP-4

Tgt Ion:168 Resp: 14204
Ion Ratio Lower Upper
168 100
99 51.4 46.9 70.3

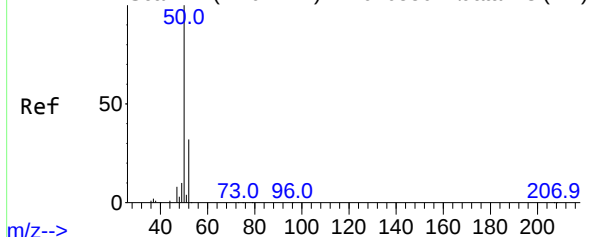


#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY010661.D
Acq: 23 Sep 2022 20:04

Tgt Ion: 85 Resp: 65
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#



Abundance Scan 47 (2.107 min): VY010550.D\data.ms (-41)



#3

Chloromethane

Concen: Below Cal

RT: 2.119 min Scan# 49

Delta R.T. 0.012 min

Lab File: VY010661.D

Acq: 23 Sep 2022 20:04

Instrument :

MSVOA_Y

ClientSampleId :

SP-4

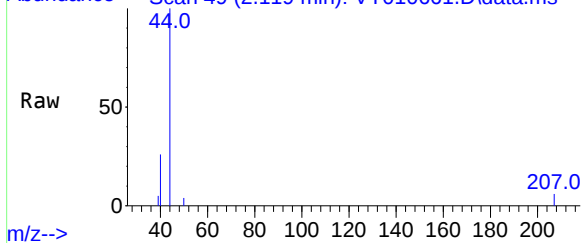
Tgt Ion: 50 Resp: 68

Ion Ratio Lower Upper

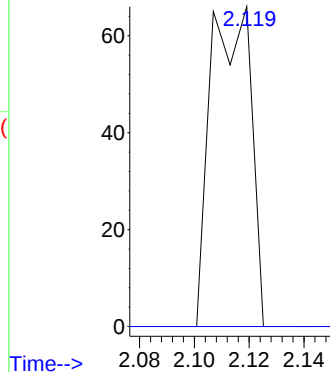
50 100

52 0.0 24.6 37.0#

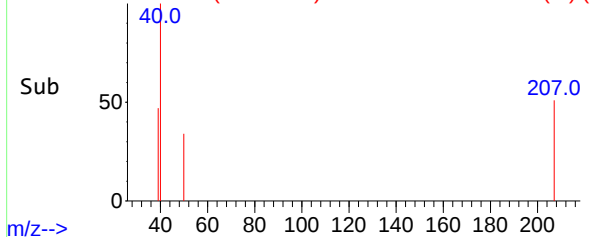
Abundance Scan 49 (2.119 min): VY010661.D\data.ms



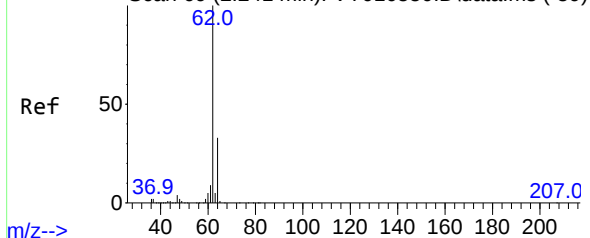
Abundance



Abundance Scan 49 (2.119 min): VY010661.D\data.ms (-1)



Abundance Scan 69 (2.241 min): VY010550.D\data.ms (-59)



#4

Vinyl Chloride

Concen: Below Cal

RT: 2.436 min Scan# 101

Delta R.T. 0.195 min

Lab File: VY010661.D

Acq: 23 Sep 2022 20:04

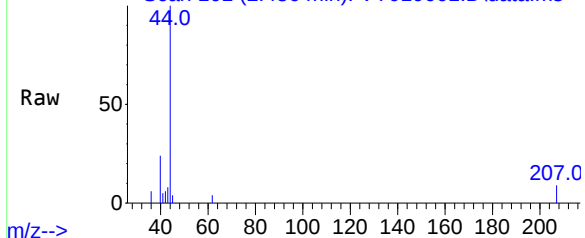
Tgt Ion: 62 Resp: 42

Ion Ratio Lower Upper

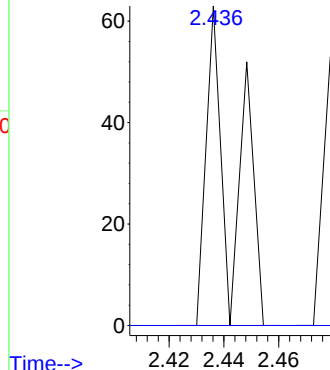
62 100

64 0.0 25.0 37.6#

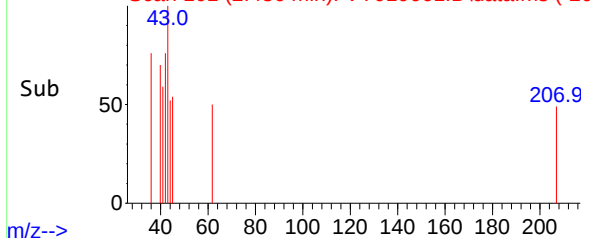
Abundance Scan 101 (2.436 min): VY010661.D\data.ms

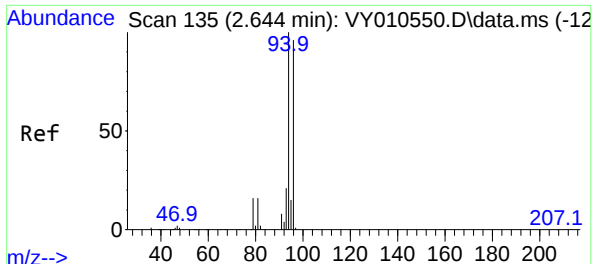


Abundance



Abundance Scan 101 (2.436 min): VY010661.D\data.ms (-20)

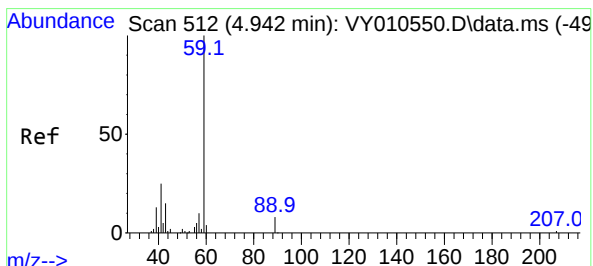
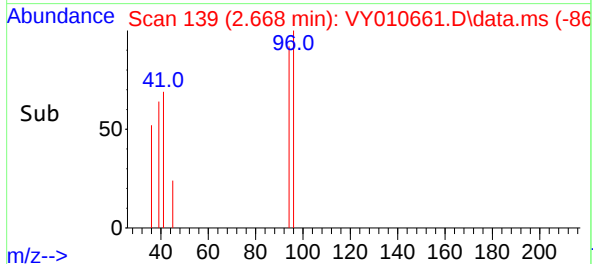
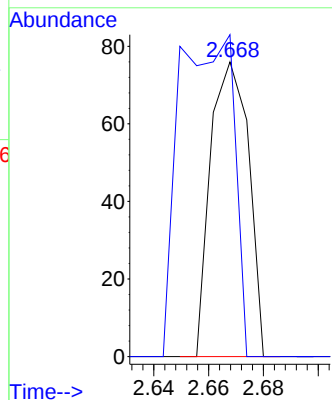
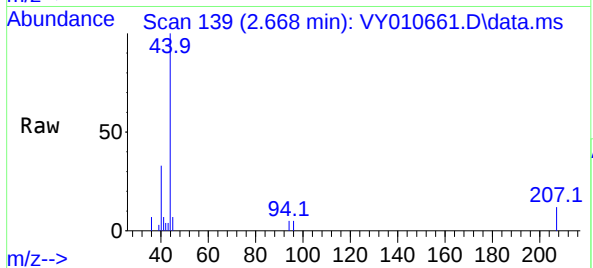




#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 11
Delta R.T. 0.024 min
Lab File: VY010661.D
Acq: 23 Sep 2022 20:04

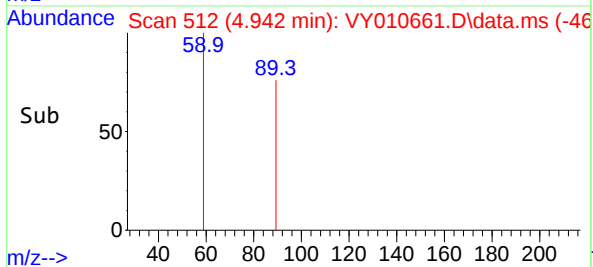
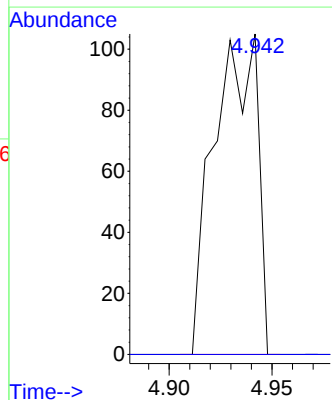
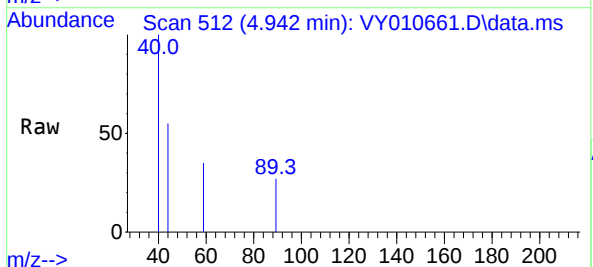
Instrument :
MSVOA_Y
ClientSampleId :
SP-4

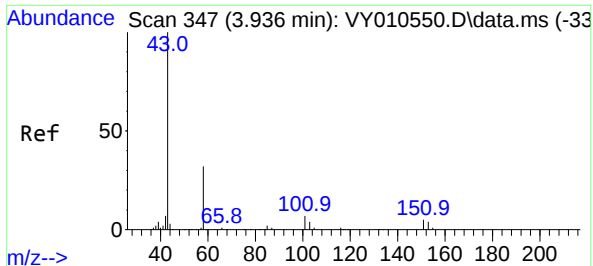
Tgt Ion: 94 Resp: 73
Ion Ratio Lower Upper
94 100
96 109.2 73.5 110.3



#11
Tert butyl alcohol
Concen: 1.574 ug/l
RT: 4.942 min Scan# 512
Delta R.T. -0.000 min
Lab File: VY010661.D
Acq: 23 Sep 2022 20:04

Tgt Ion: 59 Resp: 154
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

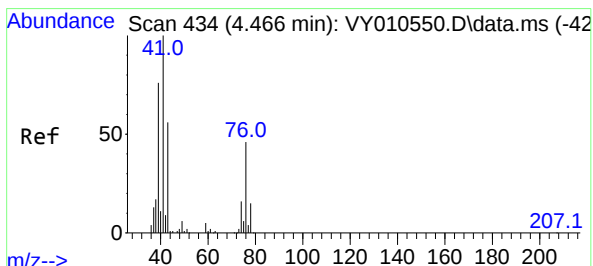
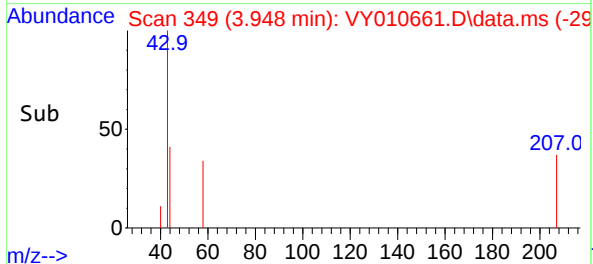
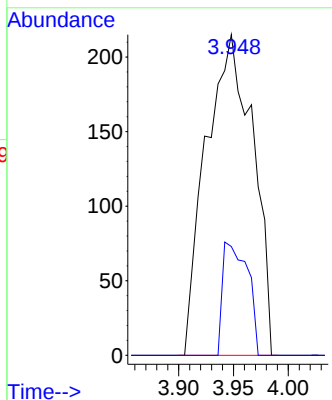
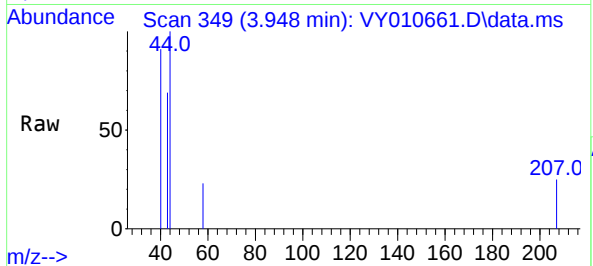




#16
Acetone
Concen: 23.101 ug/l
RT: 3.948 min Scan# 34
Delta R.T. 0.012 min
Lab File: VY010661.D
Acq: 23 Sep 2022 20:04

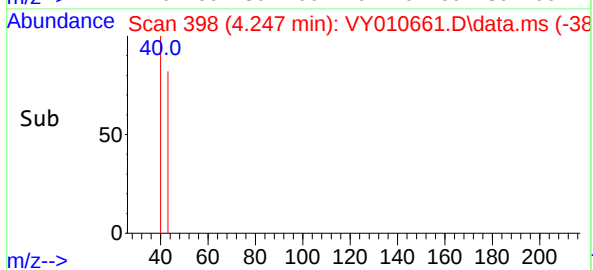
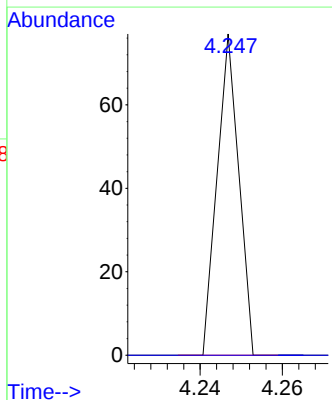
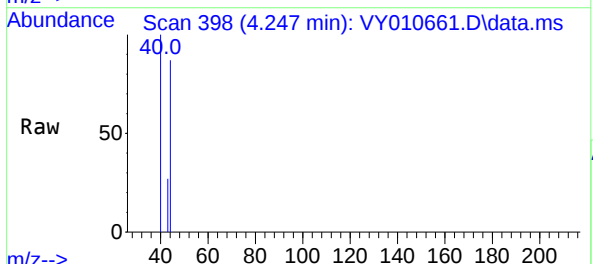
Instrument :
MSVOA_Y
ClientSampleId :
SP-4

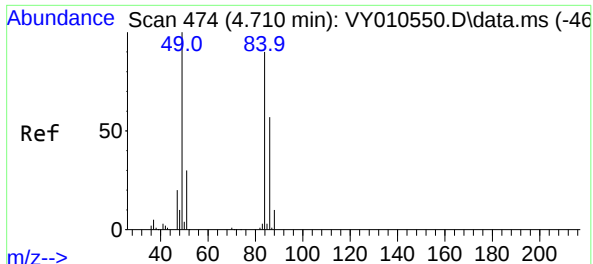
Tgt Ion: 43 Resp: 640
Ion Ratio Lower Upper
43 100
58 34.0 22.0 33.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.247 min Scan# 398
Delta R.T. -0.219 min
Lab File: VY010661.D
Acq: 23 Sep 2022 20:04

Tgt Ion: 43 Resp: 28
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#

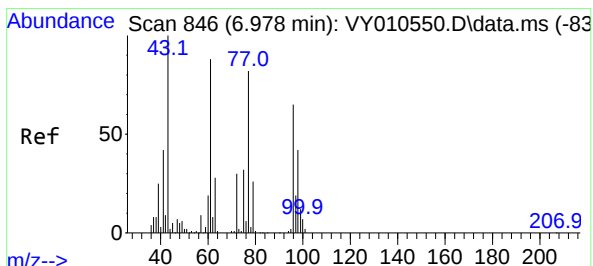
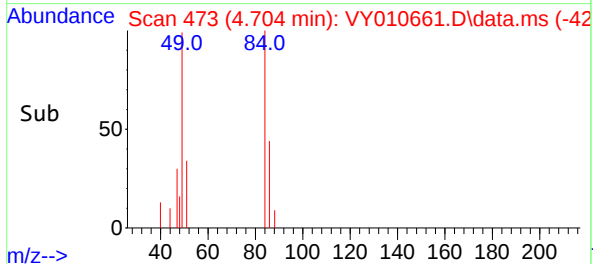
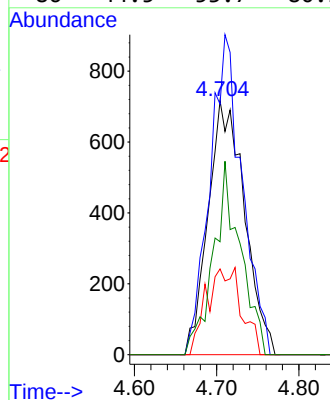
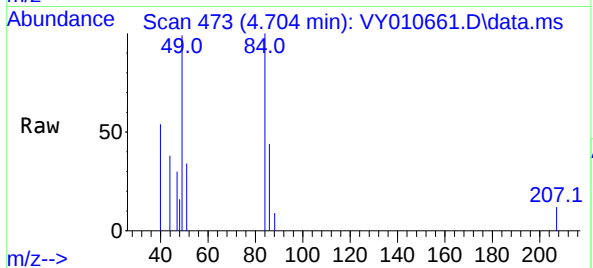




#20
Methylene Chloride
Concen: 4.019 ug/l
RT: 4.704 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY010661.D
Acq: 23 Sep 2022 20:04

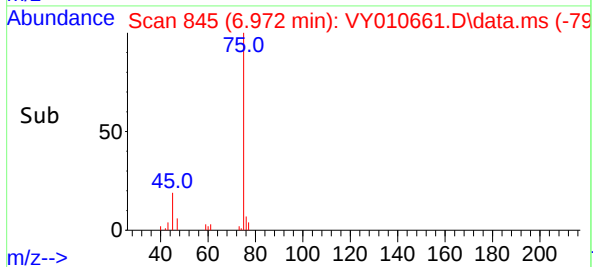
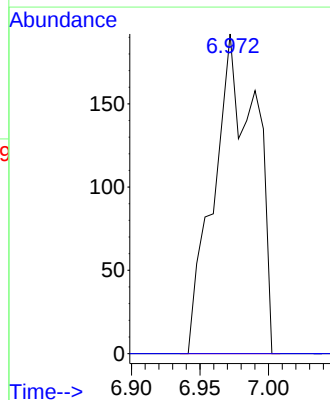
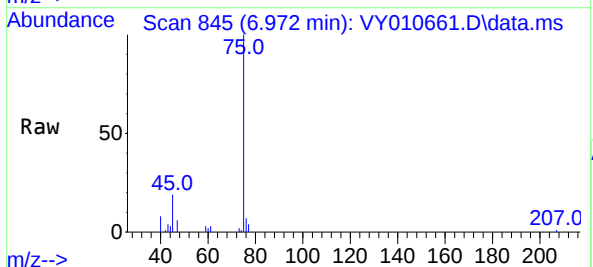
Instrument :
MSVOA_Y
ClientSampleId :
SP-4

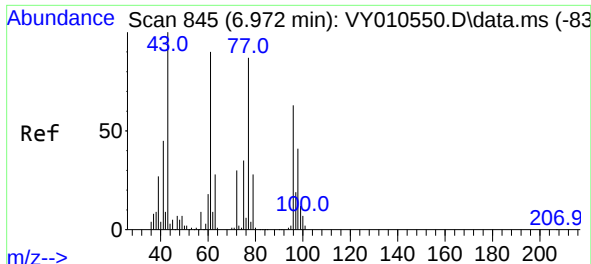
Tgt Ion: 84 Resp: 2201
Ion Ratio Lower Upper
84 100
49 98.6 114.4 171.6#
51 33.8 35.3 52.9#
86 44.5 53.7 80.5#



#25
2-Butanone
Concen: 9.369 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.006 min
Lab File: VY010661.D
Acq: 23 Sep 2022 20:04

Tgt Ion: 43 Resp: 406
Ion Ratio Lower Upper
43 100
72 0.0 17.7 26.5#

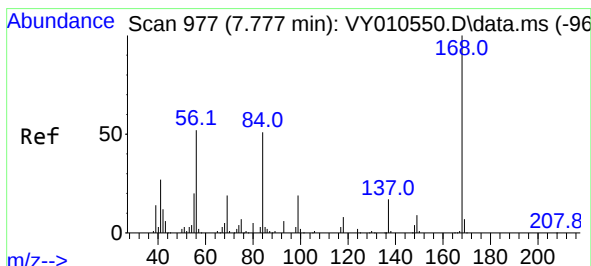
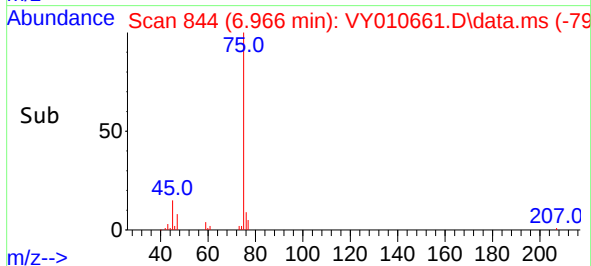
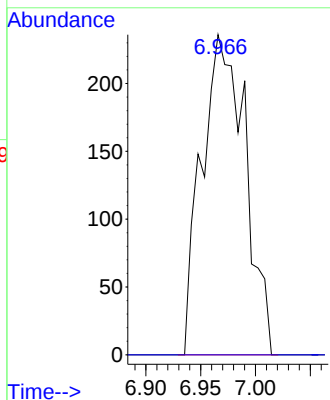
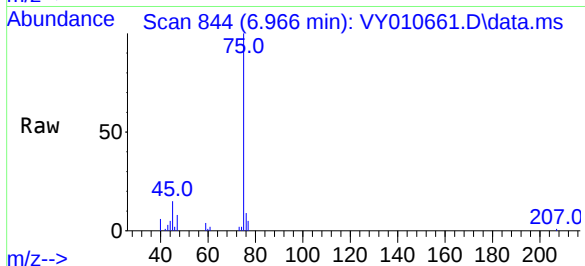




#26
2,2-Dichloropropane
Concen: 3.175 ug/l
RT: 6.966 min Scan# 845
Delta R.T. -0.006 min
Lab File: VY010661.D
Acq: 23 Sep 2022 20:04

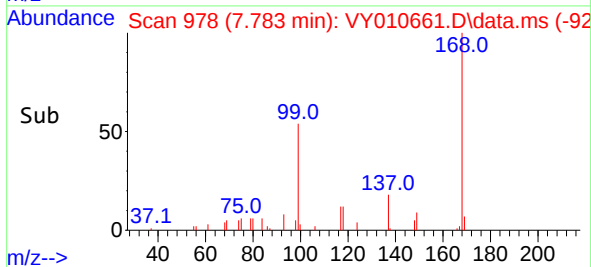
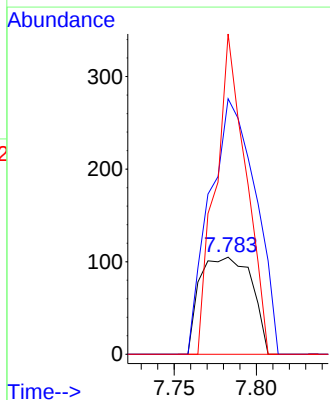
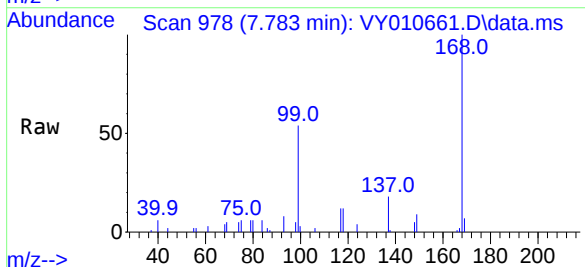
Instrument :
MSVOA_Y
ClientSampleId :
SP-4

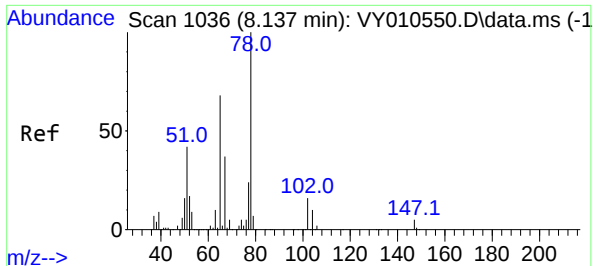
Tgt Ion: 77 Resp: 654
Ion Ratio Lower Upper
77 100
97 0.0 10.4 31.4#



#31
Cyclohexane
Concen: Below Cal
RT: 7.783 min Scan# 978
Delta R.T. 0.006 min
Lab File: VY010661.D
Acq: 23 Sep 2022 20:04

Tgt Ion: 56 Resp: 230
Ion Ratio Lower Upper
56 100
69 262.9 26.7 40.1#
84 329.5 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 59.835 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.001 min

Lab File: VY010661.D

Acq: 23 Sep 2022 20:04

Instrument :

MSVOA_Y

ClientSampleId :

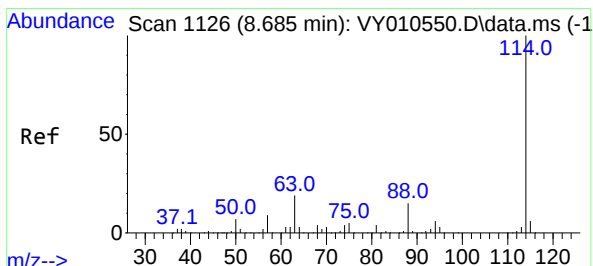
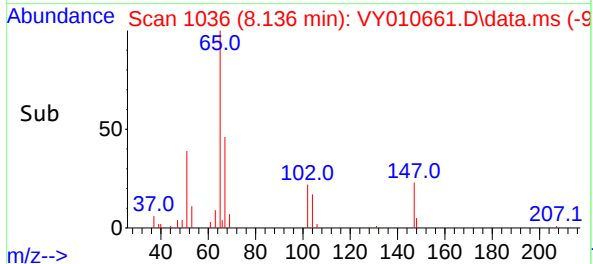
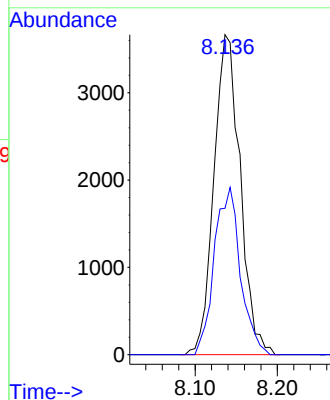
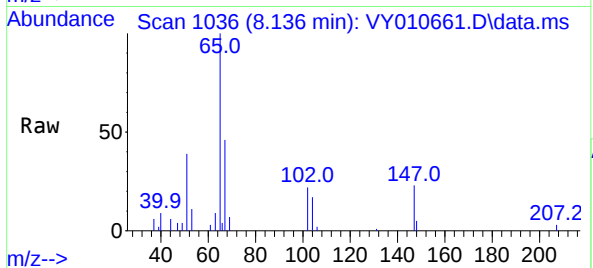
SP-4

Tgt Ion: 65 Resp: 8129

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: VY010661.D

Acq: 23 Sep 2022 20:04

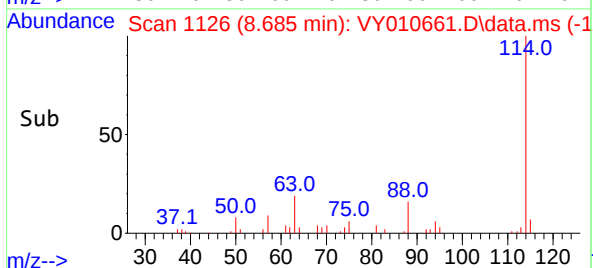
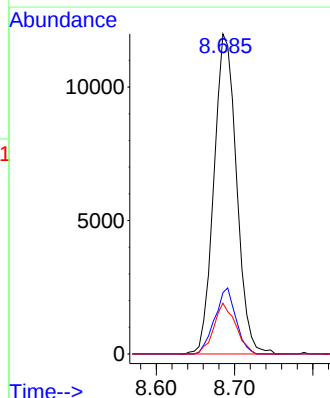
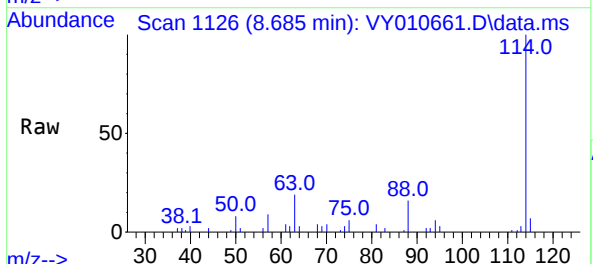
Tgt Ion: 114 Resp: 24036

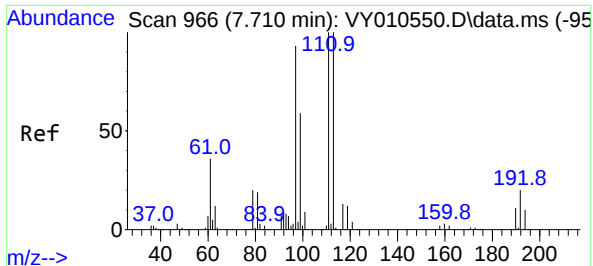
Ion Ratio Lower Upper

114 100

63 19.1 0.0 43.2

88 15.8 0.0 31.8



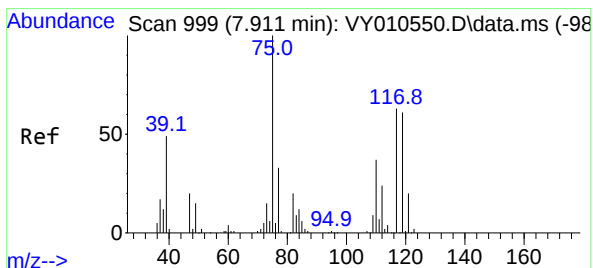
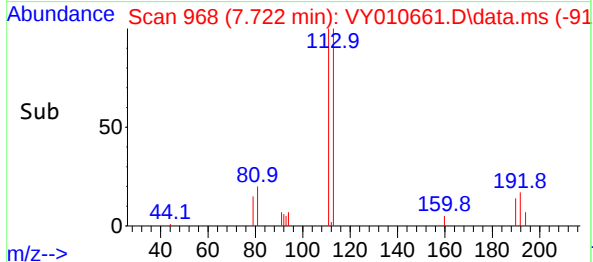
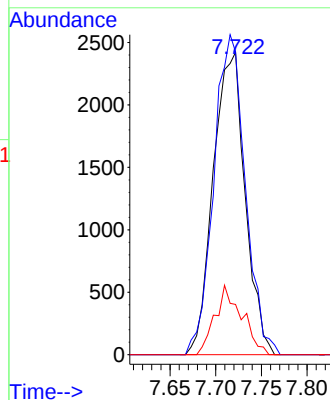
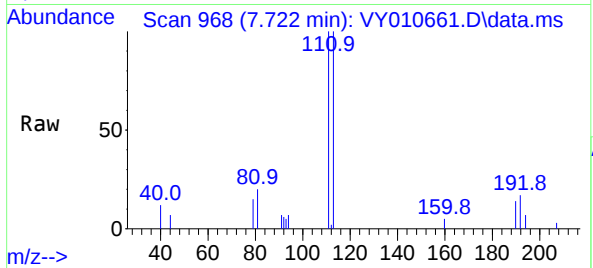


#35
Dibromofluoromethane
Concen: 38.319 ug/l
RT: 7.722 min Scan# 911
Delta R.T. 0.012 min
Lab File: VY010661.D
Acq: 23 Sep 2022 20:04

Instrument :
MSVOA_Y
ClientSampleId :
SP-4

Tgt Ion: 113 Resp: 5878

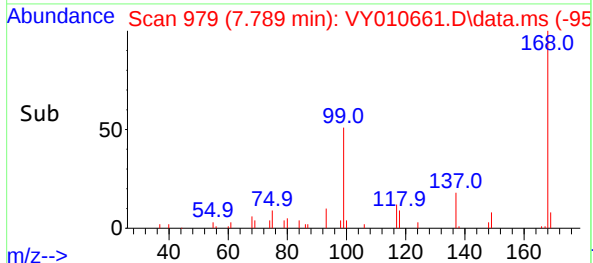
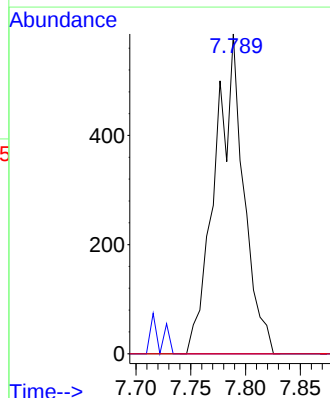
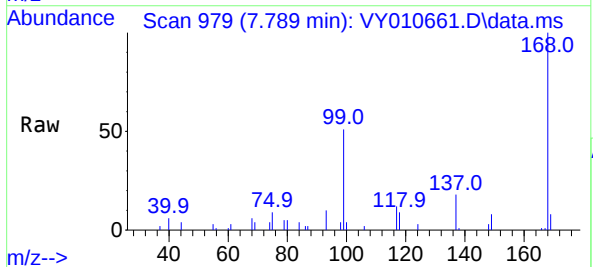
Ion	Ratio	Lower	Upper
113	100		
111	104.5	82.6	124.0
192	19.3	17.6	26.4

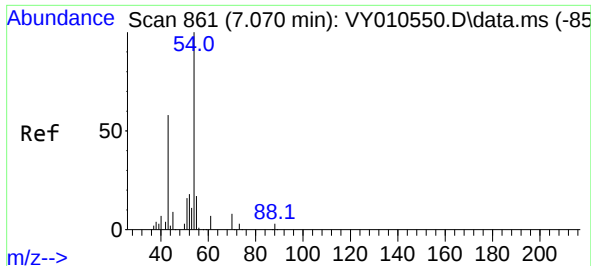


#36
1,1-Dichloropropene
Concen: 6.219 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.122 min
Lab File: VY010661.D
Acq: 23 Sep 2022 20:04

Tgt Ion: 75 Resp: 1063

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

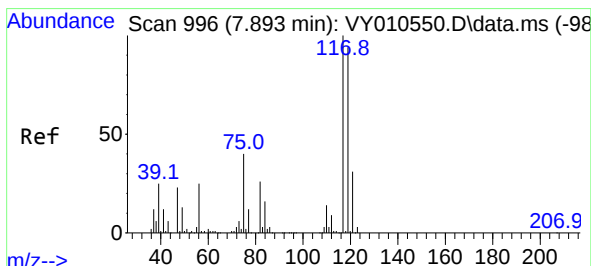
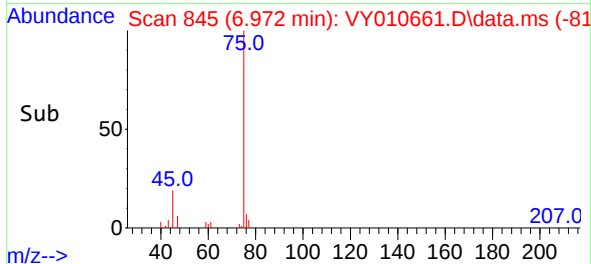
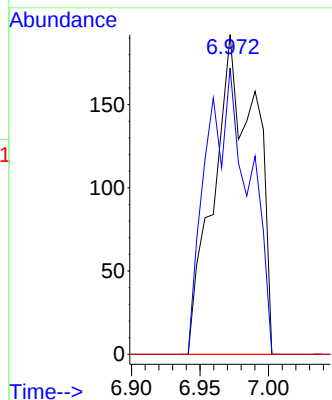
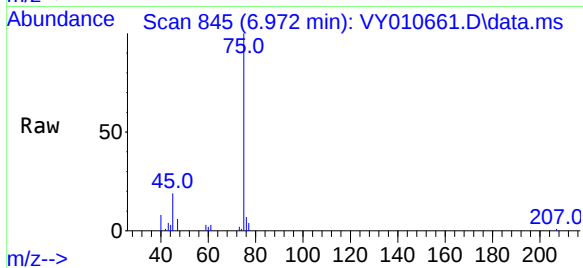




#37
Ethyl Acetate
Concen: 4.113 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.098 min
Lab File: VY010661.D
Acq: 23 Sep 2022 20:04

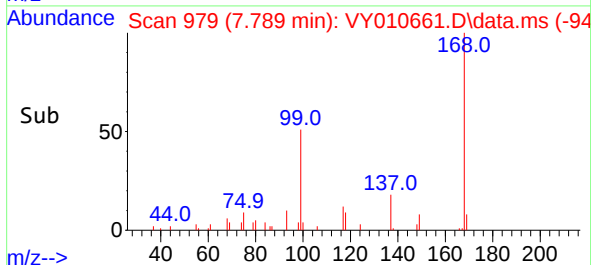
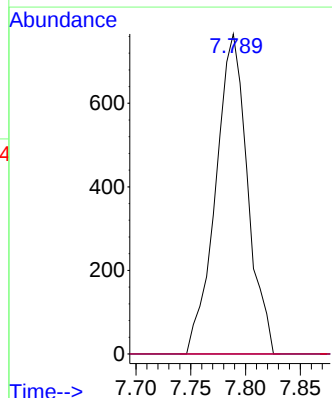
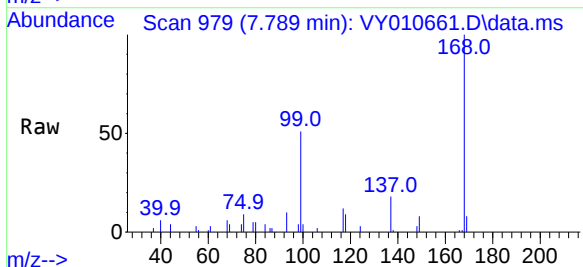
Instrument :
MSVOA_Y
ClientSampleId :
SP-4

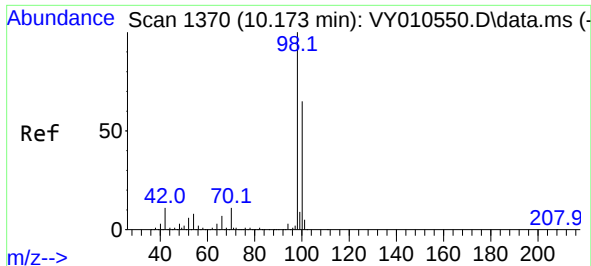
Tgt Ion: 43 Resp: 406
Ion Ratio Lower Upper
43 100
61 40.6 9.7 14.5#
70 0.0 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 7.892 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.104 min
Lab File: VY010661.D
Acq: 23 Sep 2022 20:04

Tgt Ion: 117 Resp: 1551
Ion Ratio Lower Upper
117 100
119 0.0 77.9 116.9#
121 0.0 24.8 37.2#

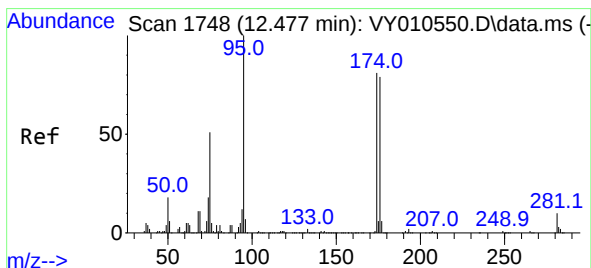
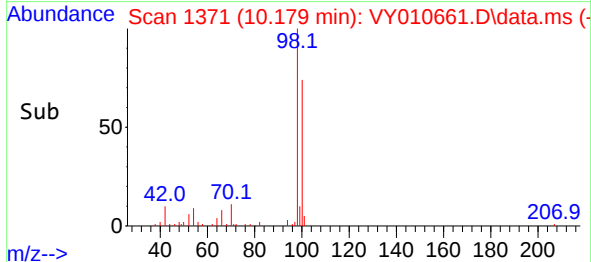
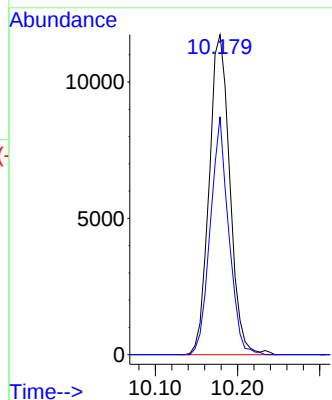
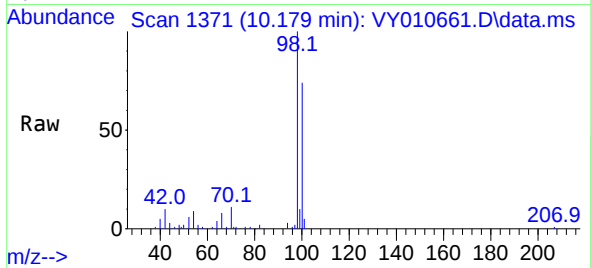




#50
Toluene-d8
Concen: 37.069 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY010661.D
Acq: 23 Sep 2022 20:04

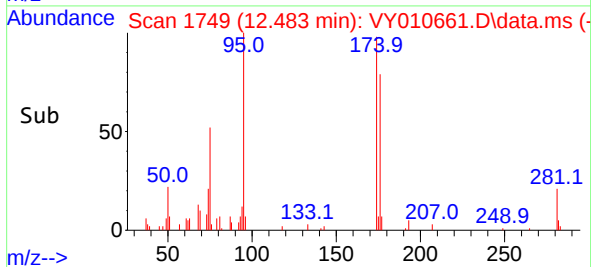
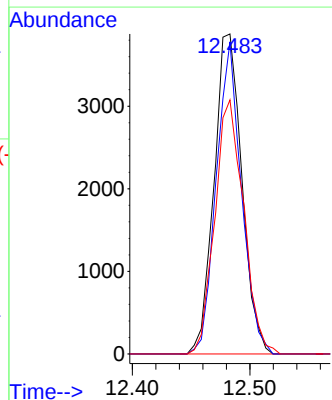
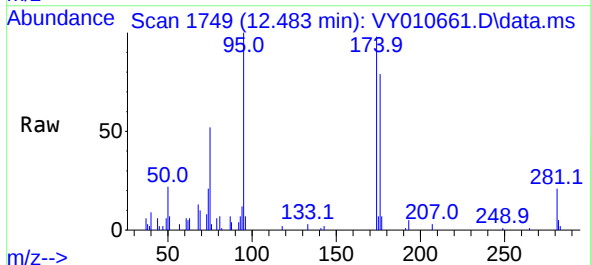
Instrument :
MSVOA_Y
ClientSampleId :
SP-4

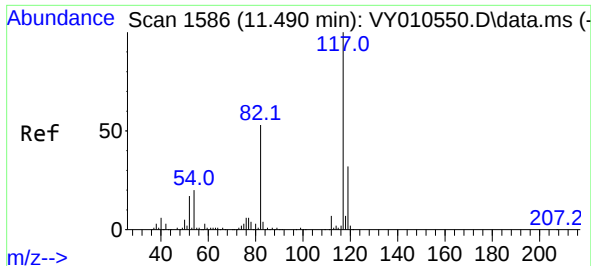
Tgt Ion: 98 Resp: 20527
Ion Ratio Lower Upper
98 100
100 66.1 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 29.189 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY010661.D
Acq: 23 Sep 2022 20:04

Tgt Ion: 95 Resp: 6378
Ion Ratio Lower Upper
95 100
174 88.1 0.0 177.0
176 82.2 0.0 175.8

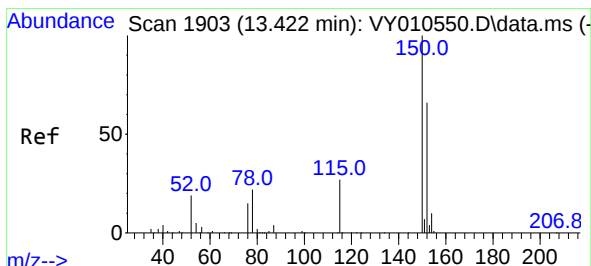
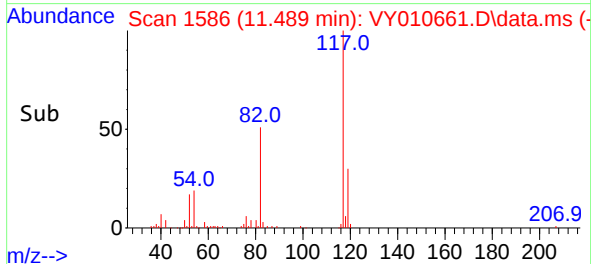
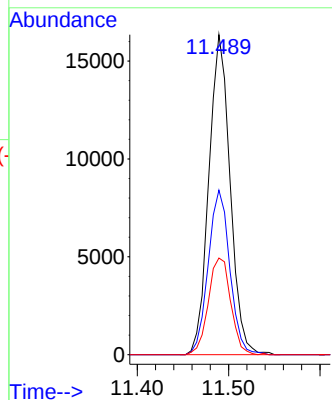
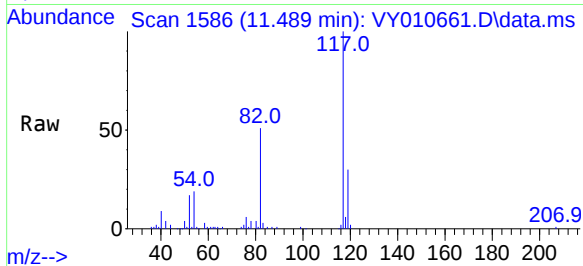




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY010661.D
Acq: 23 Sep 2022 20:04

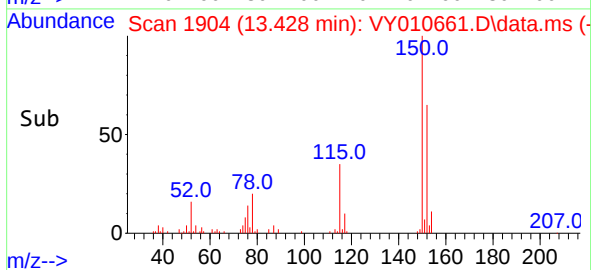
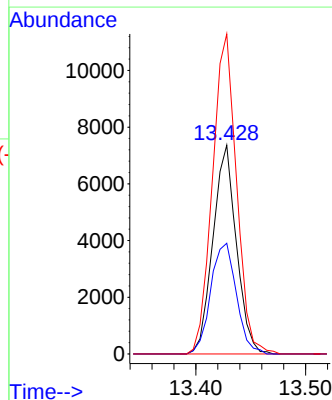
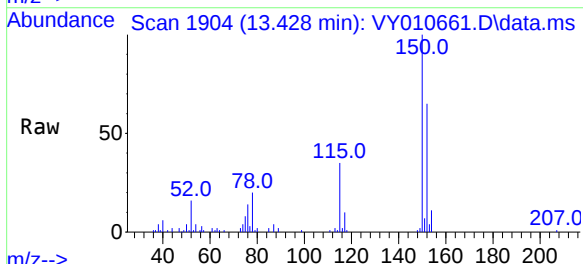
Instrument :
MSVOA_Y
ClientSampleId :
SP-4

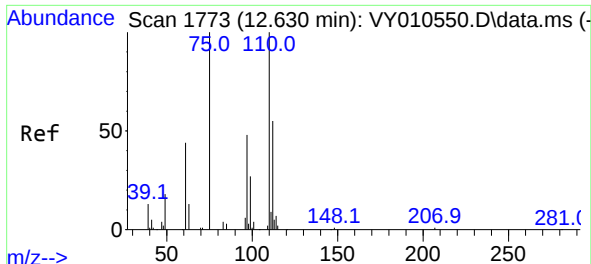
Tgt Ion:	117	Resp:	26394
Ion	Ratio	Lower	Upper
117	100		
82	51.4	43.0	64.4
119	30.2	25.4	38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY010661.D
Acq: 23 Sep 2022 20:04

Tgt Ion:	152	Resp:	10945
Ion	Ratio	Lower	Upper
152	100		
115	58.1	28.2	84.7
150	157.5	0.0	347.6

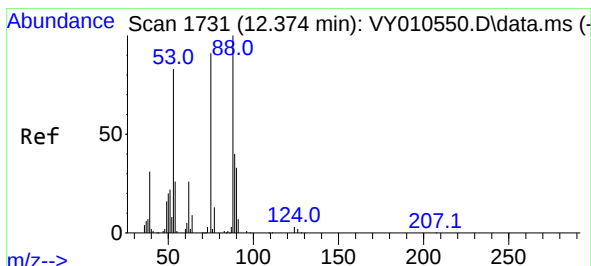
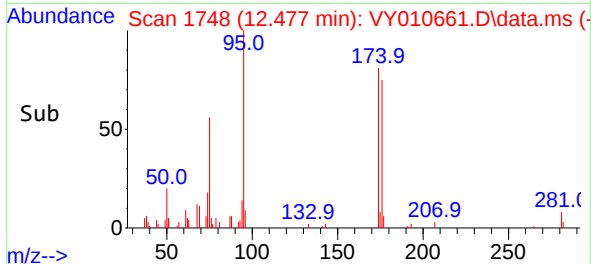
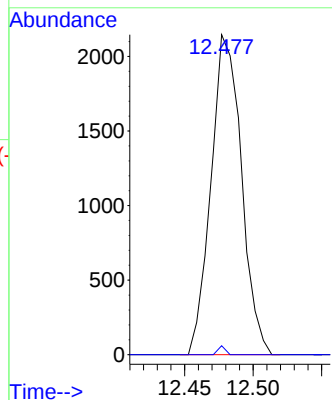
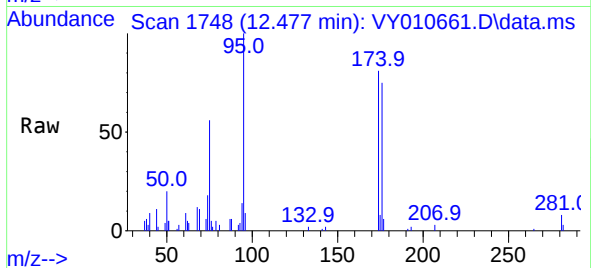




#76
1,2,3-Trichloropropane
Concen: 31.715 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY010661.D
Acq: 23 Sep 2022 20:04

Instrument :
MSVOA_Y
ClientSampleId :
SP-4

Tgt Ion: 75 Resp: 3313
Ion Ratio Lower Upper
75 100
77 0.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 70.516 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.103 min
Lab File: VY010661.D
Acq: 23 Sep 2022 20:04

Tgt Ion: 75 Resp: 3313
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#

