

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100722\
 Data File : VY010870.D
 Acq On : 07 Oct 2022 14:34
 Operator : KP/MD
 Sample : N5046-06
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 R-6

Quant Time: Oct 08 04:47:08 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100322S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 04 07:26:22 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.789	168	23959	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	36697	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	30206	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	10499	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	12284	50.582	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	101.160%
35) Dibromofluoromethane	7.716	113	9798	40.222	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	80.440%
50) Toluene-d8	10.179	98	32772	39.339	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	78.680%
62) 4-Bromofluorobenzene	12.477	95	10771	31.751	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	63.500%

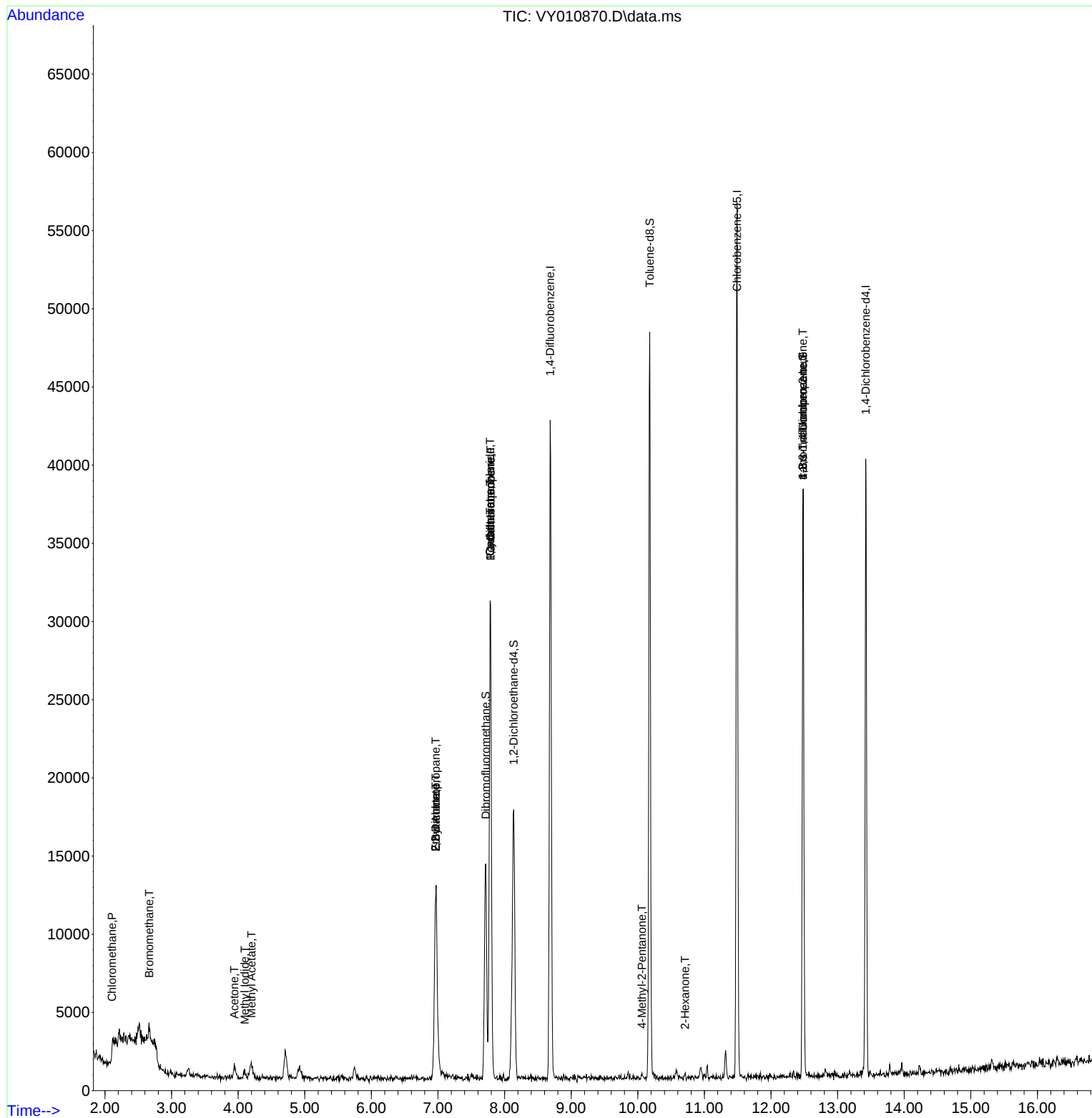
Target Compounds			Qvalue			
3) Chloromethane	2.107	50	292	1.058	ug/l #	44
5) Bromomethane	2.662	94	367	1.556	ug/l	97
10) Methyl Iodide	4.101	142	682	2.198	ug/l #	82
11) Tert butyl alcohol	4.924	59	852	Below Cal	#	77
16) Acetone	3.942	43	1256	20.364	ug/l	99
18) Methyl Acetate	4.198	43	375	2.380	ug/l #	56
20) Methylene Chloride	4.704	84	803	Below Cal	#	69
25) 2-Butanone	6.966	43	760	8.571	ug/l #	54
26) 2,2-Dichloropropane	6.966	77	994	2.312	ug/l #	55
31) Cyclohexane	7.783	56	488	1.123	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	1956	5.562	ug/l #	47
37) Ethyl Acetate	6.966	43	760	4.404	ug/l #	1
38) Carbon Tetrachloride	7.783	117	2477	6.763	ug/l #	16
51) 4-Methyl-2-Pentanone	10.063	43	201	1.176	ug/l #	73
59) 2-Hexanone	10.709	43	121	1.022	ug/l #	28
76) 1,2,3-Trichloropropane	12.477	75	5587	52.548	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	5587	109.768	ug/l #	7

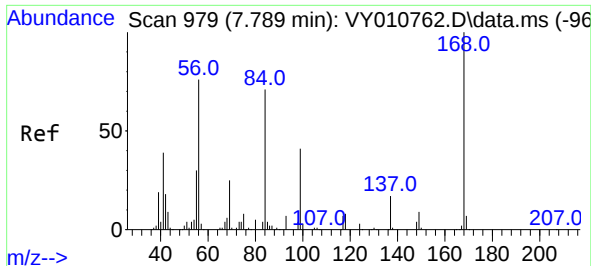
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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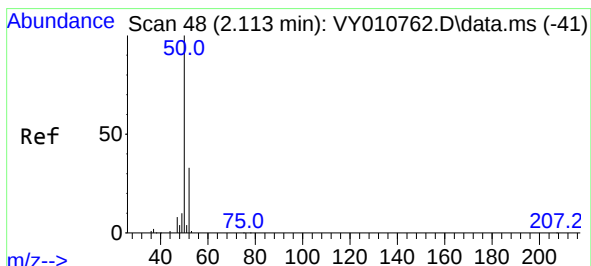
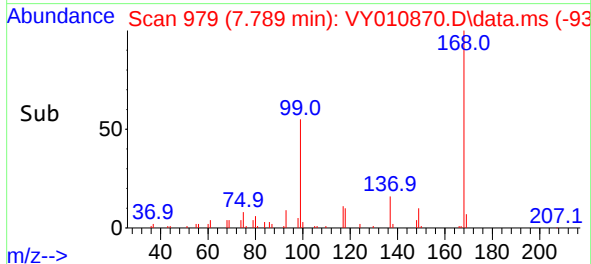
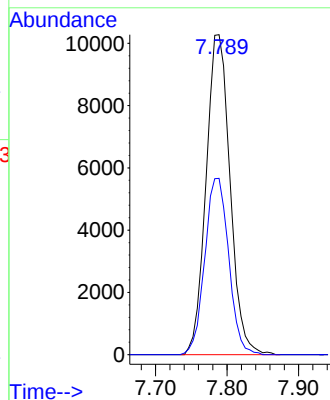
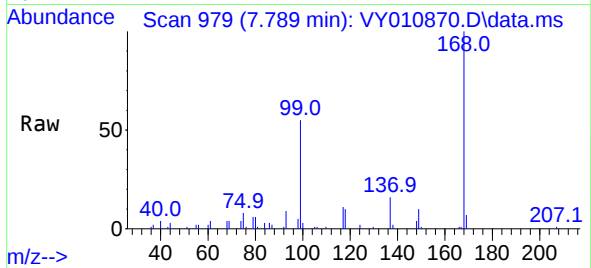




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010870.D
Acq: 07 Oct 2022 14:34

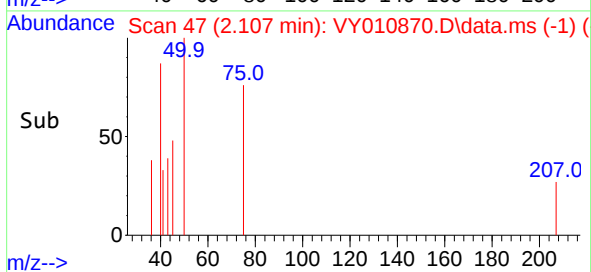
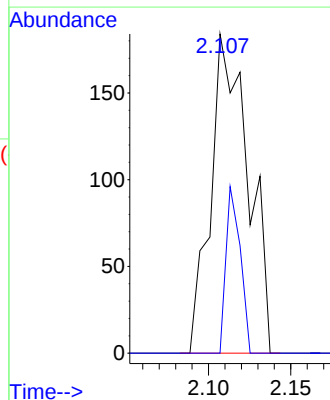
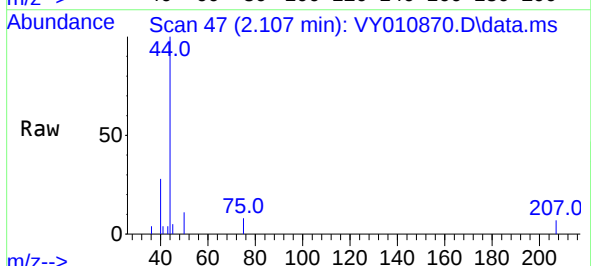
Instrument :
MSVOA_Y
ClientSampleId :
R-6

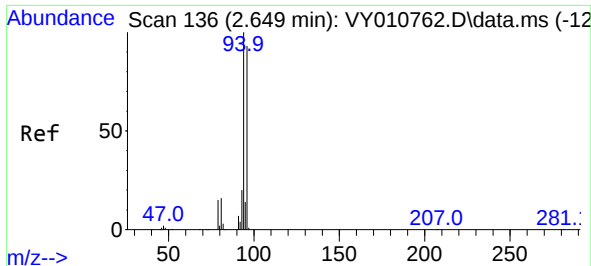
Tgt Ion:168 Resp: 23959
Ion Ratio Lower Upper
168 100
99 55.1 46.9 70.3



#3
Chloromethane
Concen: 1.058 ug/l
RT: 2.107 min Scan# 47
Delta R.T. -0.006 min
Lab File: VY010870.D
Acq: 07 Oct 2022 14:34

Tgt Ion: 50 Resp: 292
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#

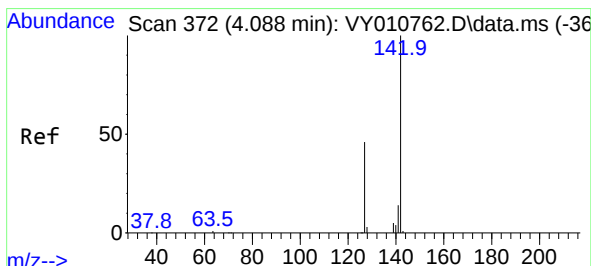
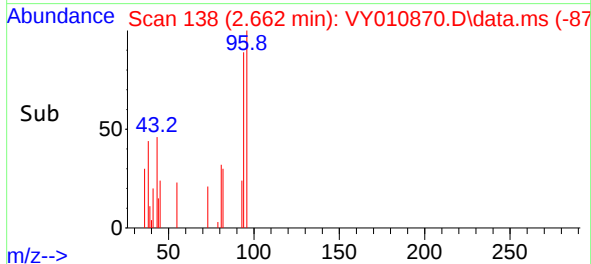
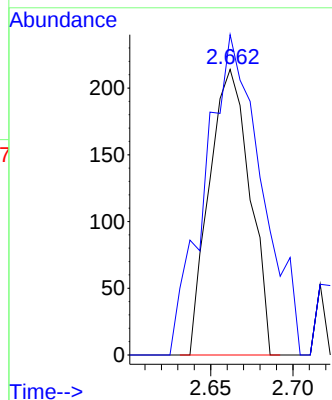
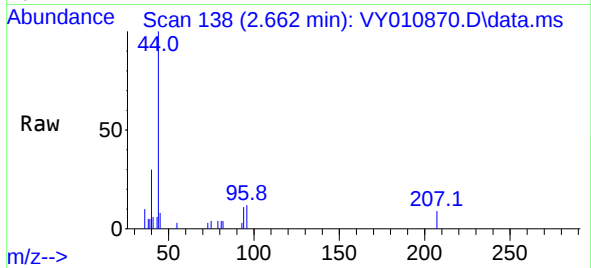




#5
Bromomethane
Concen: 1.556 ug/l
RT: 2.662 min Scan# 11
Delta R.T. 0.013 min
Lab File: VY010870.D
Acq: 07 Oct 2022 14:34

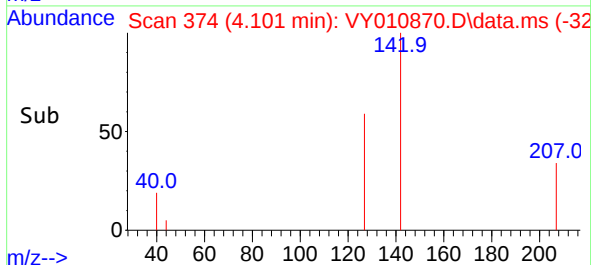
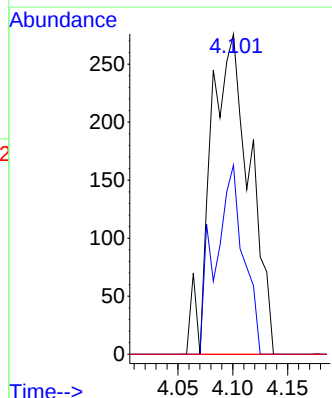
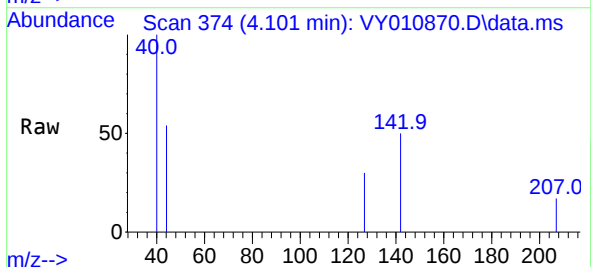
Instrument :
MSVOA_Y
ClientSampleId :
R-6

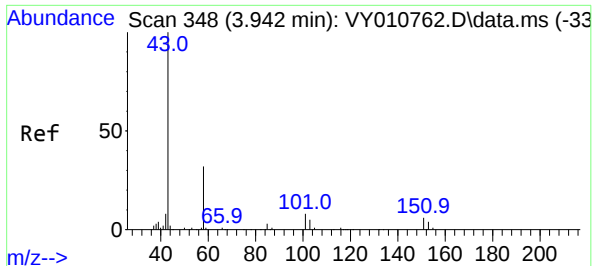
Tgt Ion: 94 Resp: 367
Ion Ratio Lower Upper
94 100
96 88.8 73.5 110.3



#10
Methyl Iodide
Concen: 2.198 ug/l
RT: 4.101 min Scan# 374
Delta R.T. 0.013 min
Lab File: VY010870.D
Acq: 07 Oct 2022 14:34

Tgt Ion:142 Resp: 682
Ion Ratio Lower Upper
142 100
127 42.8 41.5 62.3
141 0.0 11.9 17.9#

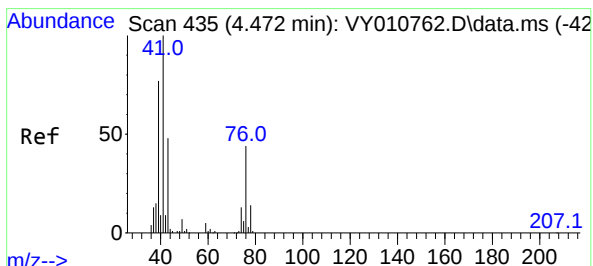
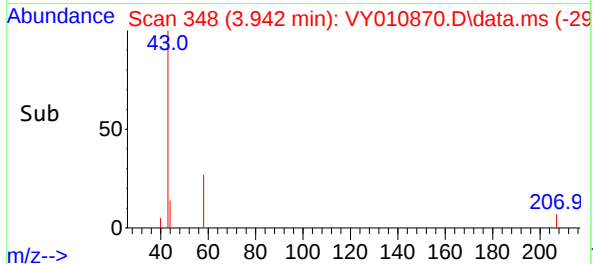
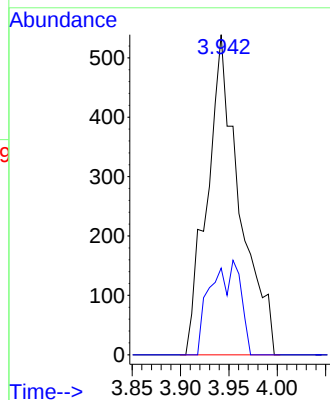
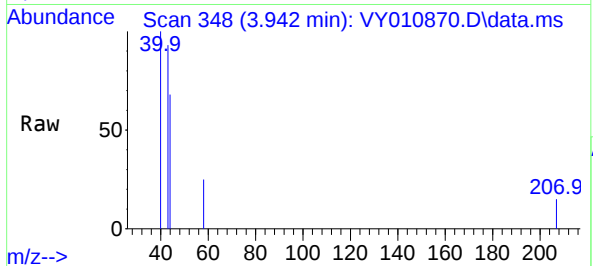




#16
Acetone
Concen: 20.364 ug/l
RT: 3.942 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY010870.D
Acq: 07 Oct 2022 14:34

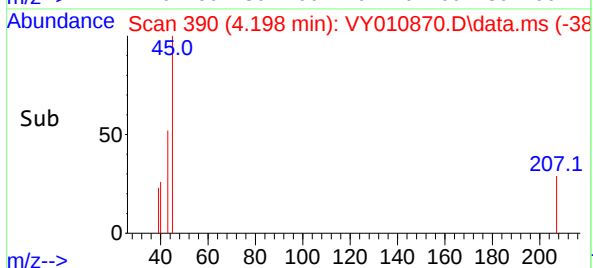
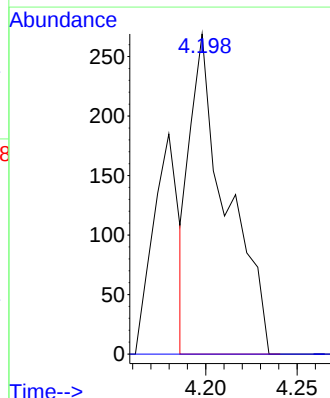
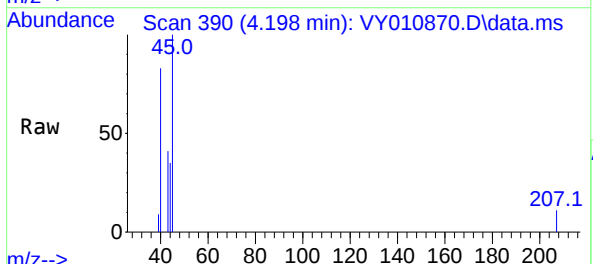
Instrument :
MSVOA_Y
ClientSampleId :
R-6

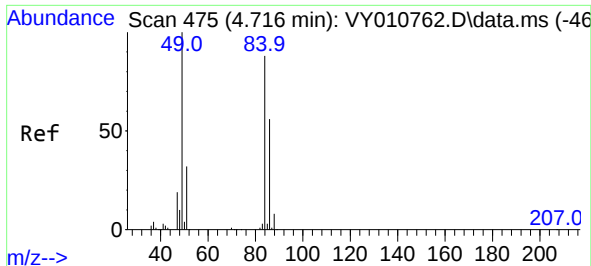
Tgt Ion: 43 Resp: 1256
Ion Ratio Lower Upper
43 100
58 27.1 22.0 33.0



#18
Methyl Acetate
Concen: 2.380 ug/l
RT: 4.198 min Scan# 390
Delta R.T. -0.274 min
Lab File: VY010870.D
Acq: 07 Oct 2022 14:34

Tgt Ion: 43 Resp: 375
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



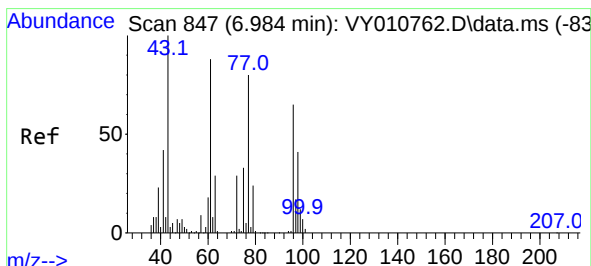
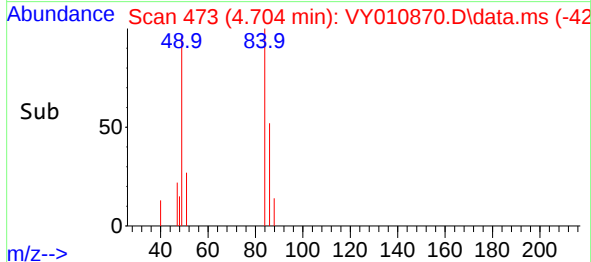
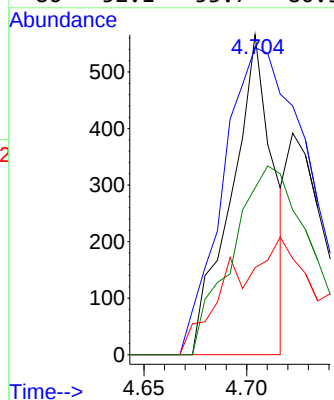
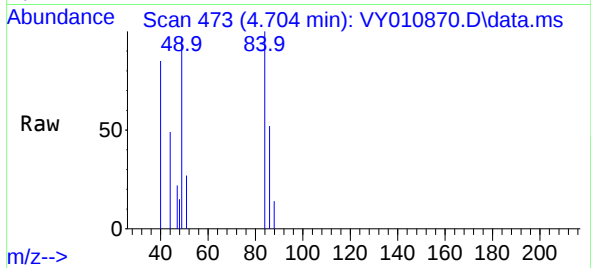


#20
Methylene Chloride
Concen: Below Cal
RT: 4.704 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY010870.D
Acq: 07 Oct 2022 14:34

Instrument :
MSVOA_Y
ClientSampleId :
R-6

Tgt Ion: 84 Resp: 803

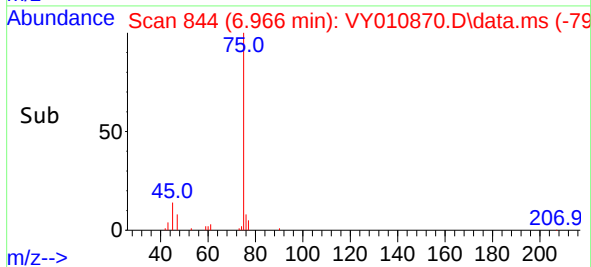
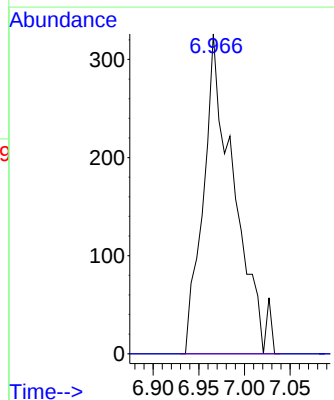
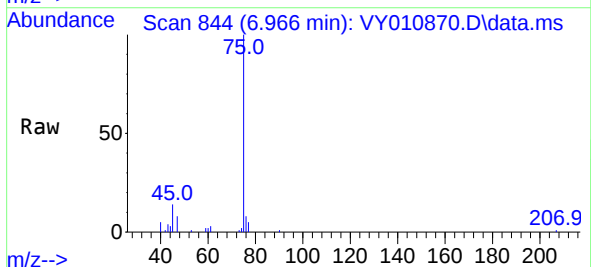
Ion	Ratio	Lower	Upper
84	100		
49	95.9	114.4	171.6#
51	27.2	35.3	52.9#
86	52.1	53.7	80.5#

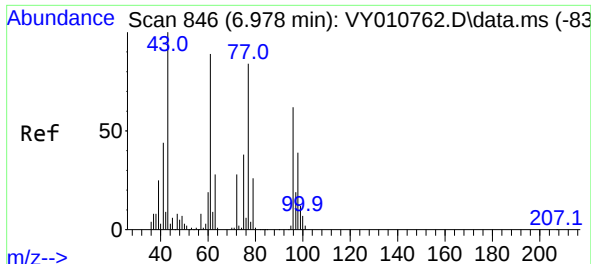


#25
2-Butanone
Concen: 8.571 ug/l
RT: 6.966 min Scan# 844
Delta R.T. -0.018 min
Lab File: VY010870.D
Acq: 07 Oct 2022 14:34

Tgt Ion: 43 Resp: 760

Ion	Ratio	Lower	Upper
43	100		
72	0.0	17.7	26.5#





#26

2,2-Dichloropropane

Concen: 2.312 ug/l

RT: 6.966 min Scan# 84

Delta R.T. -0.012 min

Lab File: VY010870.D

Acq: 07 Oct 2022 14:34

Instrument :

MSVOA_Y

ClientSampleId :

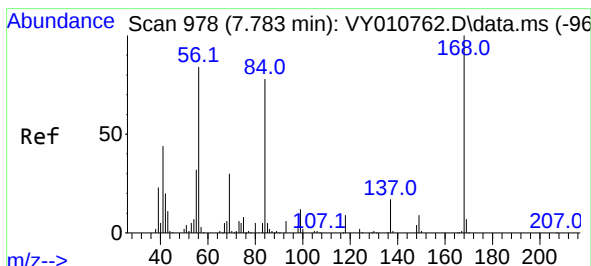
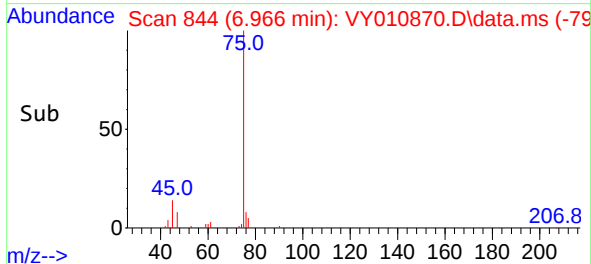
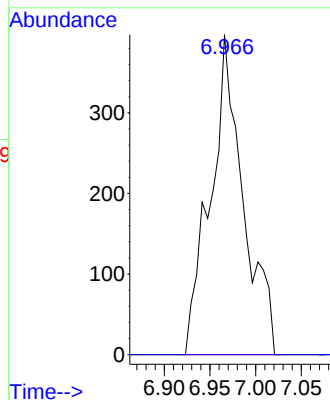
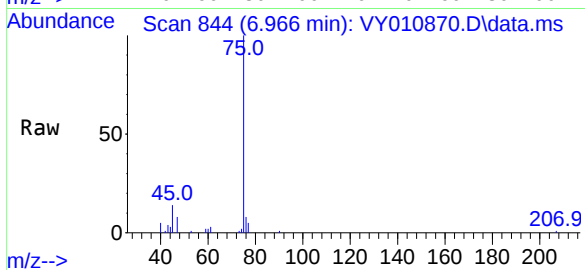
R-6

Tgt Ion: 77 Resp: 994

Ion Ratio Lower Upper

77 100

97 0.0 10.4 31.4#



#31

Cyclohexane

Concen: 1.123 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.000 min

Lab File: VY010870.D

Acq: 07 Oct 2022 14:34

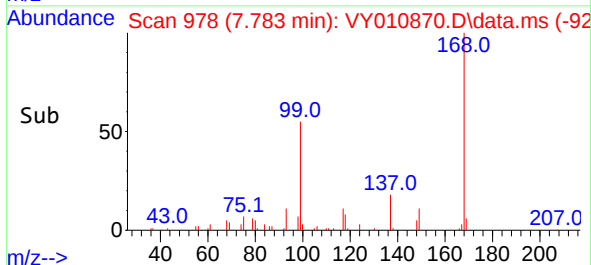
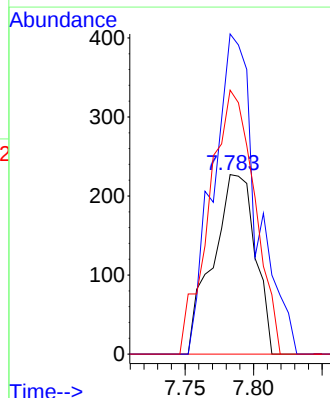
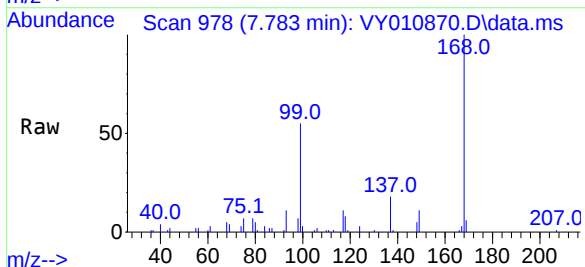
Tgt Ion: 56 Resp: 488

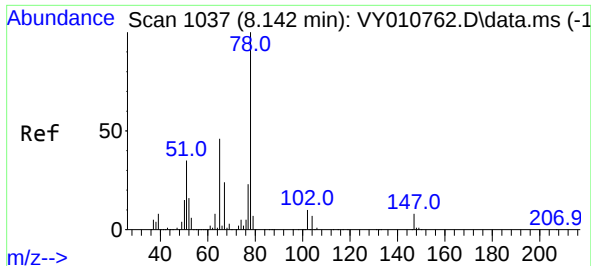
Ion Ratio Lower Upper

56 100

69 178.4 26.7 40.1#

84 147.1 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 50.582 ug/l

RT: 8.136 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY010870.D

Acq: 07 Oct 2022 14:34

Instrument :

MSVOA_Y

ClientSampleId :

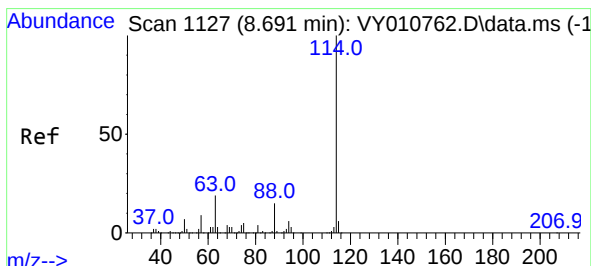
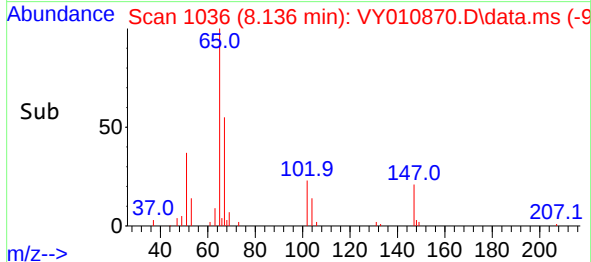
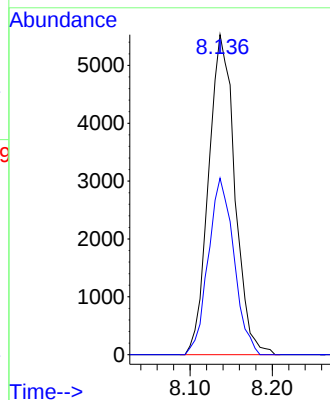
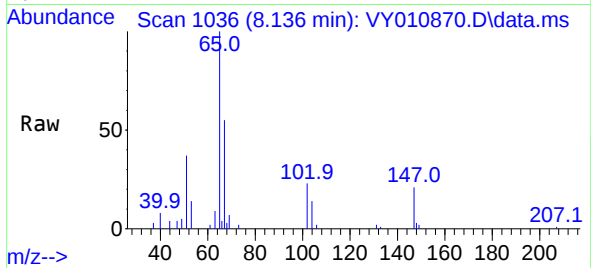
R-6

Tgt Ion: 65 Resp: 12284

Ion Ratio Lower Upper

65 100

67 53.8 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY010870.D

Acq: 07 Oct 2022 14:34

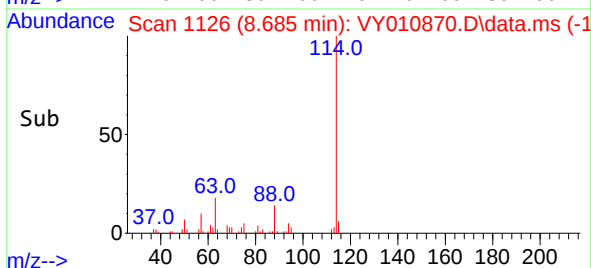
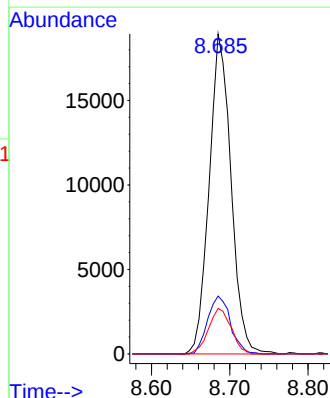
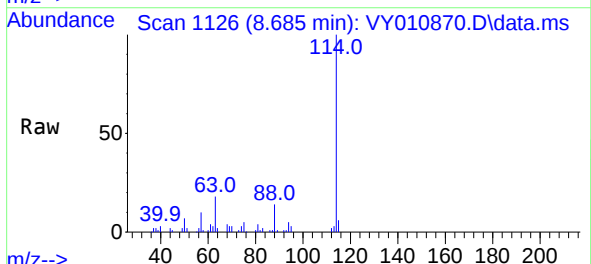
Tgt Ion: 114 Resp: 36697

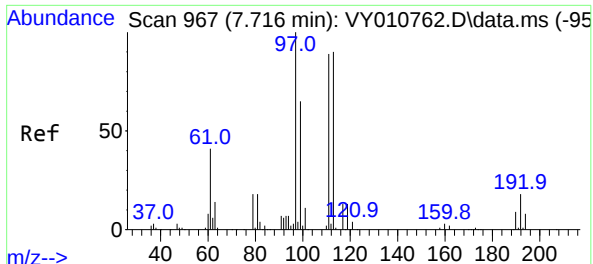
Ion Ratio Lower Upper

114 100

63 18.1 0.0 43.2

88 14.2 0.0 31.8

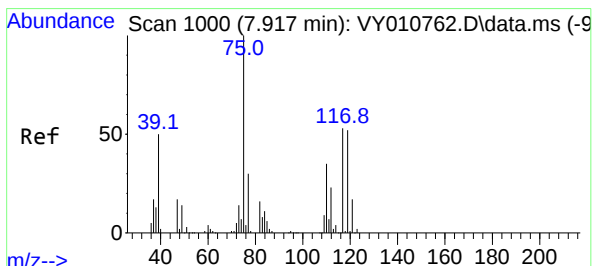
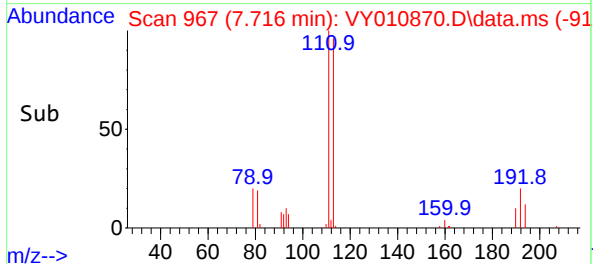
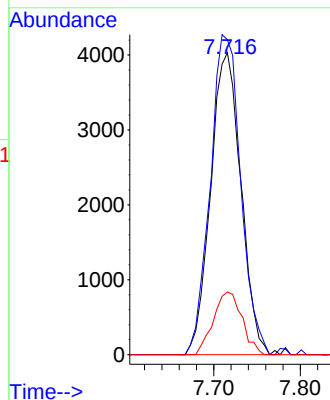
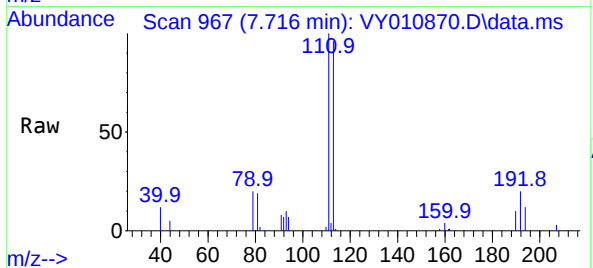




#35
Dibromofluoromethane
Concen: 40.222 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010870.D
Acq: 07 Oct 2022 14:34

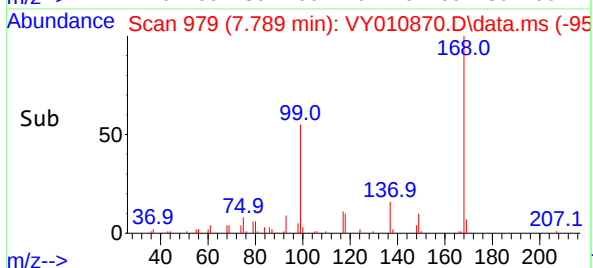
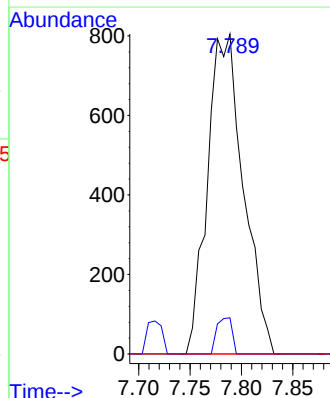
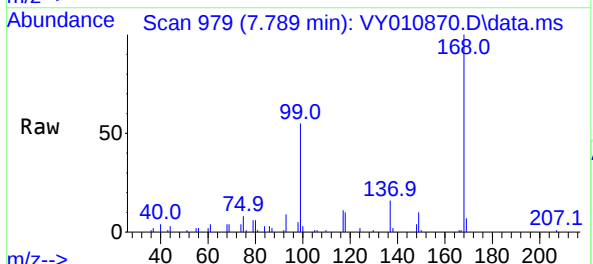
Instrument :
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R-6

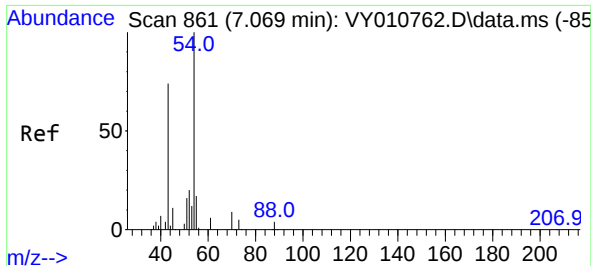
Tgt Ion:	113	Resp:	9798
Ion	Ratio	Lower	Upper
113	100		
111	106.5	82.6	124.0
192	19.6	17.6	26.4



#36
1,1-Dichloropropene
Concen: 5.562 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY010870.D
Acq: 07 Oct 2022 14:34

Tgt Ion:	75	Resp:	1956
Ion	Ratio	Lower	Upper
75	100		
110	4.8	17.1	51.2#
77	0.0	24.4	36.6#





#37

Ethyl Acetate

Concen: 4.404 ug/l

RT: 6.966 min Scan# 844

Delta R.T. -0.103 min

Lab File: VY010870.D

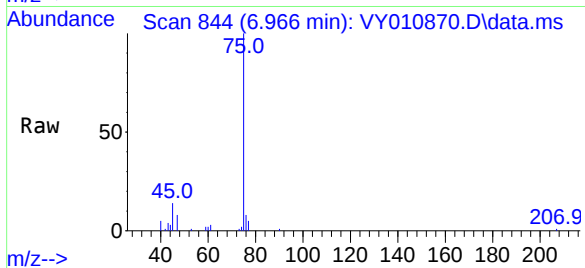
Acq: 07 Oct 2022 14:34

Instrument :

MSVOA_Y

ClientSampleId :

R-6



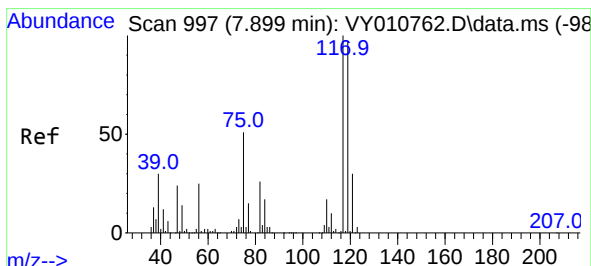
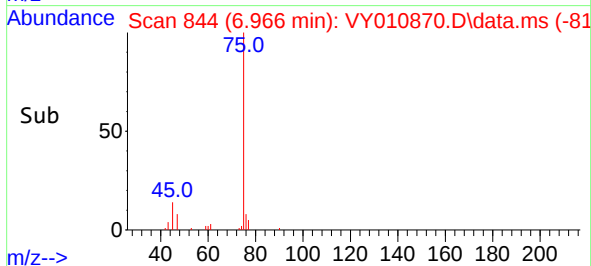
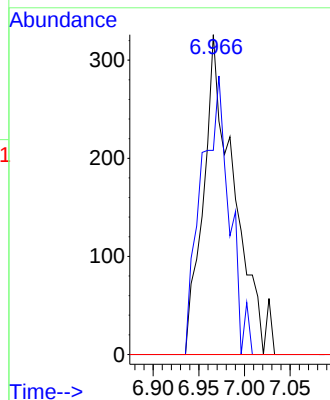
Tgt Ion: 43 Resp: 760

Ion Ratio Lower Upper

43 100

61 79.3 9.7 14.5#

70 0.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 6.763 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.116 min

Lab File: VY010870.D

Acq: 07 Oct 2022 14:34

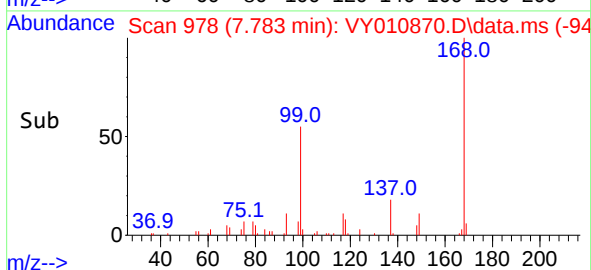
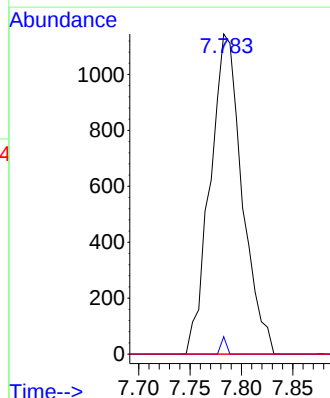
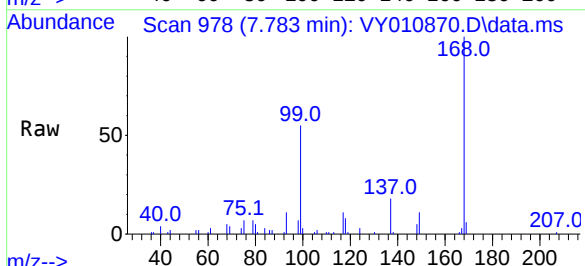
Tgt Ion: 117 Resp: 2477

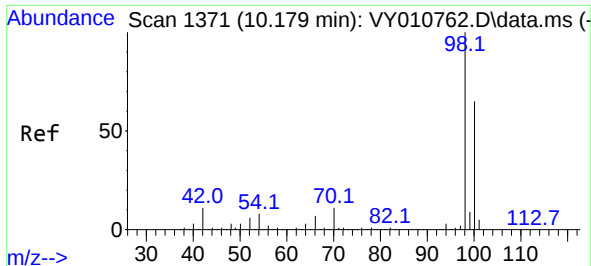
Ion Ratio Lower Upper

117 100

119 5.4 77.9 116.9#

121 0.0 24.8 37.2#

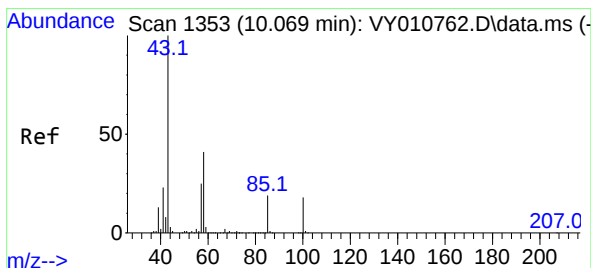
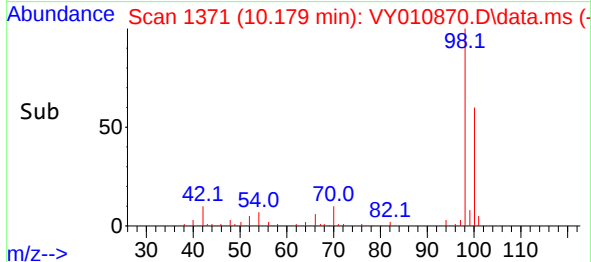
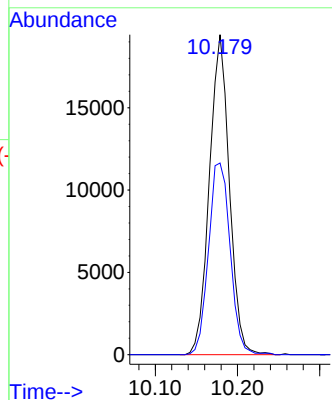
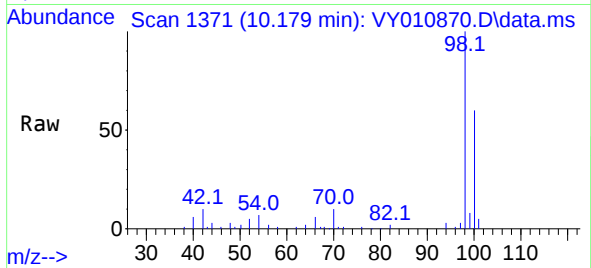




#50
Toluene-d8
Concen: 39.339 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY010870.D
Acq: 07 Oct 2022 14:34

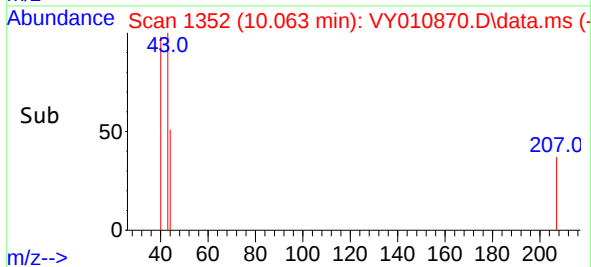
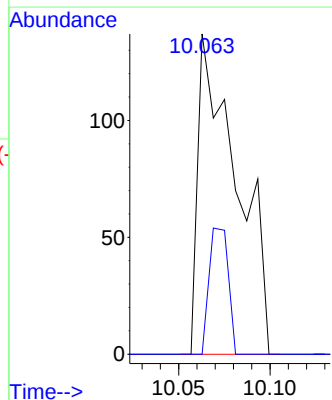
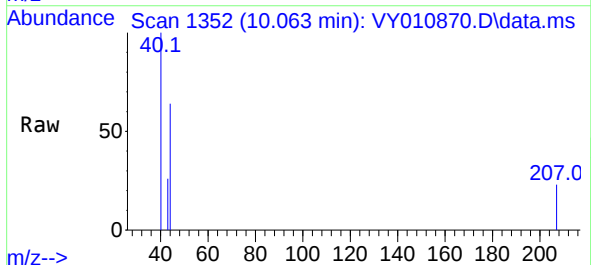
Instrument :
MSVOA_Y
ClientSampleId :
R-6

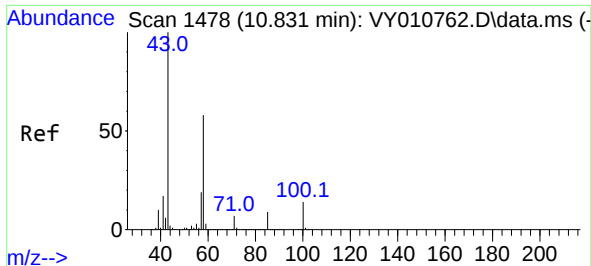
Tgt Ion: 98 Resp: 32772
Ion Ratio Lower Upper
98 100
100 65.0 50.2 75.2



#51
4-Methyl-2-Pentanone
Concen: 1.176 ug/l
RT: 10.063 min Scan# 1352
Delta R.T. -0.006 min
Lab File: VY010870.D
Acq: 07 Oct 2022 14:34

Tgt Ion: 43 Resp: 201
Ion Ratio Lower Upper
43 100
58 19.4 28.1 42.1#

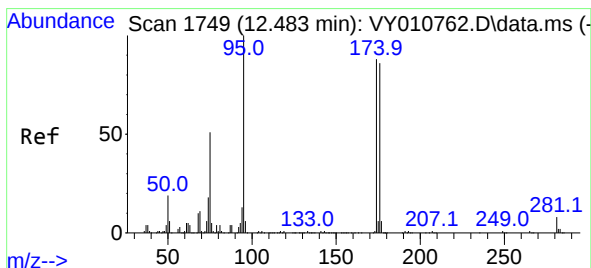
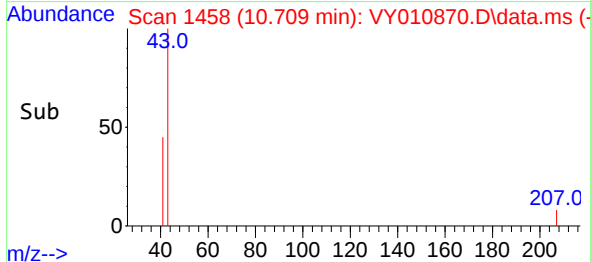
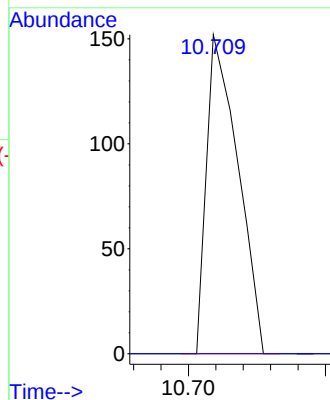
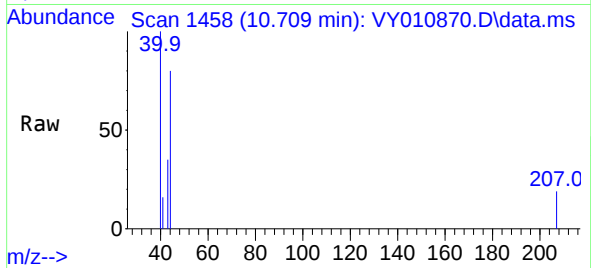




#59
2-Hexanone
Concen: 1.022 ug/l
RT: 10.709 min Scan# 1478
Delta R.T. -0.122 min
Lab File: VY010870.D
Acq: 07 Oct 2022 14:34

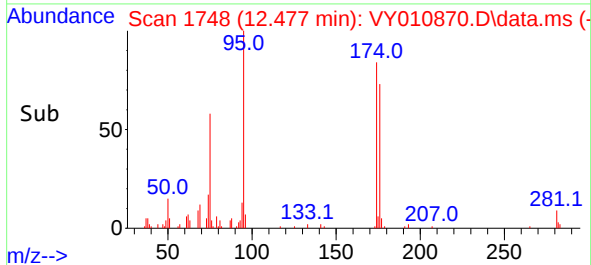
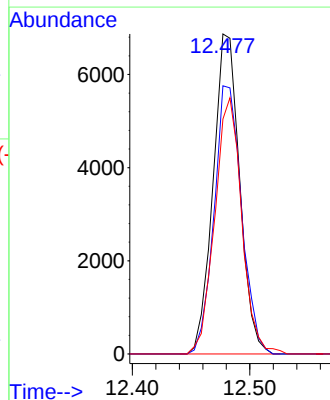
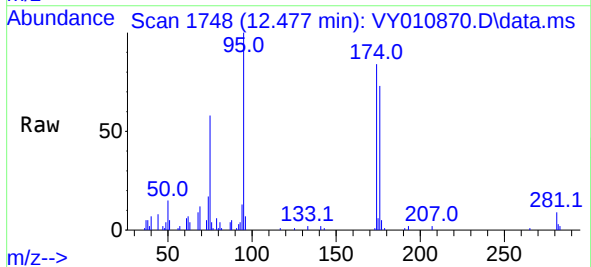
Instrument :
MSVOA_Y
ClientSampleId :
R-6

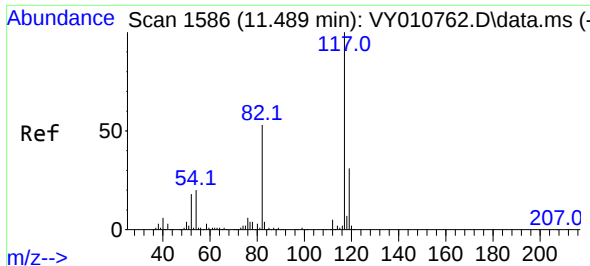
Tgt Ion: 43 Resp: 121
Ion Ratio Lower Upper
43 100
58 0.0 24.4 73.4#



#62
4-Bromofluorobenzene
Concen: 31.751 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY010870.D
Acq: 07 Oct 2022 14:34

Tgt Ion: 95 Resp: 10771
Ion Ratio Lower Upper
95 100
174 86.8 0.0 177.0
176 81.4 0.0 175.8

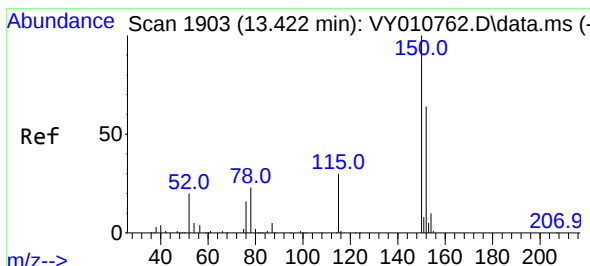
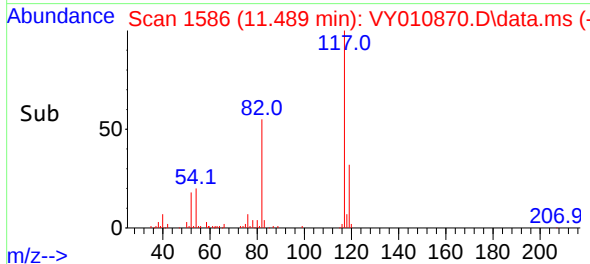
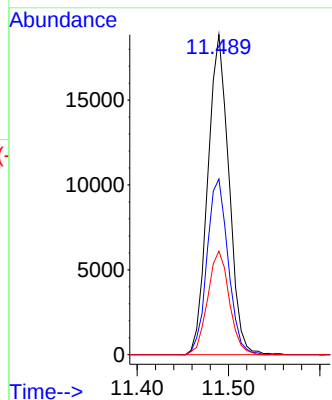
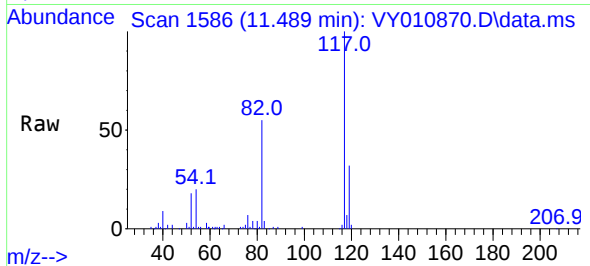




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY010870.D
Acq: 07 Oct 2022 14:34

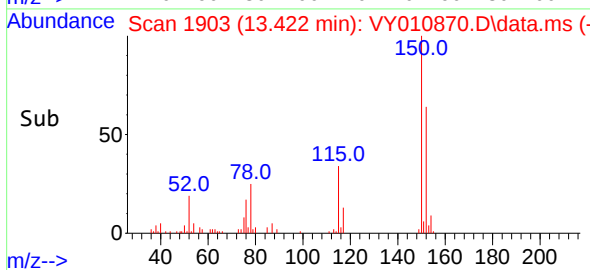
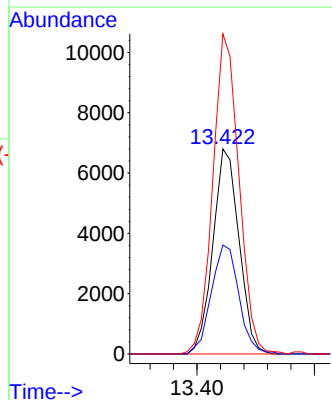
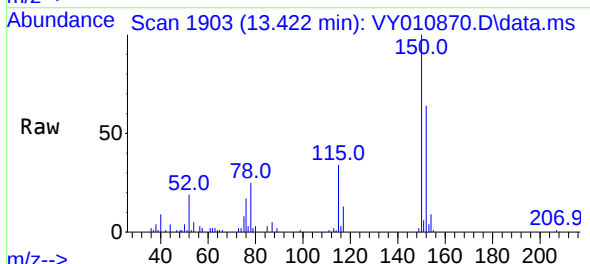
Instrument :
MSVOA_Y
ClientSampleId :
R-6

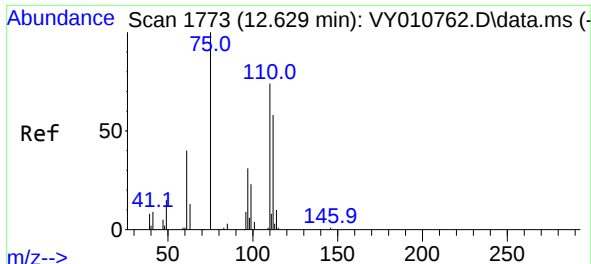
Tgt Ion:	117	Resp:	30206
Ion	Ratio	Lower	Upper
117	100		
82	54.9	43.0	64.4
119	32.3	25.4	38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY010870.D
Acq: 07 Oct 2022 14:34

Tgt Ion:	152	Resp:	10499
Ion	Ratio	Lower	Upper
152	100		
115	56.2	28.2	84.7
150	156.5	0.0	347.6

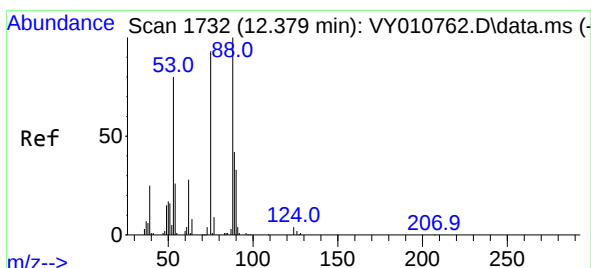
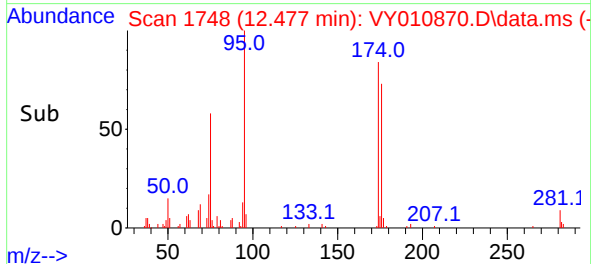
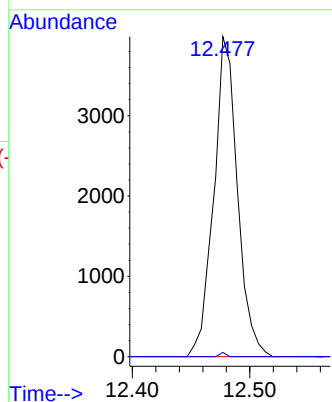
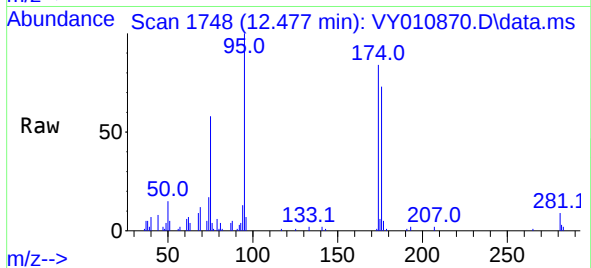




#76
1,2,3-Trichloropropane
Concen: 52.548 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY010870.D
Acq: 07 Oct 2022 14:34

Instrument :
MSVOA_Y
ClientSampleId :
R-6

Tgt Ion: 75 Resp: 5587
Ion Ratio Lower Upper
75 100
77 0.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 109.768 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY010870.D
Acq: 07 Oct 2022 14:34

Tgt Ion: 75 Resp: 5587
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#

