

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100722\
 Data File : VY010871.D
 Acq On : 07 Oct 2022 14:57
 Operator : KP/MD
 Sample : N5046-10
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 R-10

Quant Time: Oct 08 04:47:18 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)

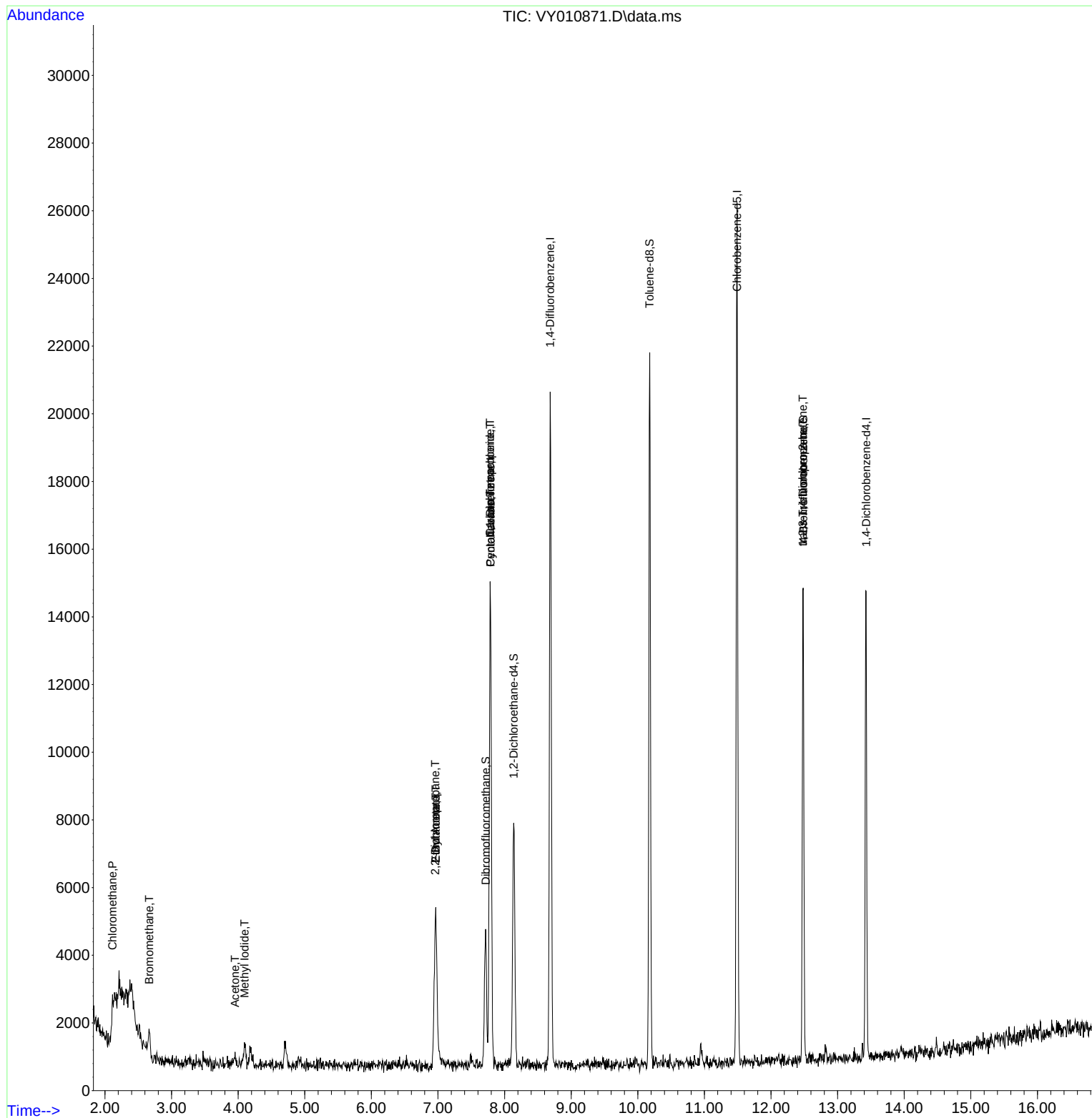
Internal Standards						
1) Pentafluorobenzene	7.789	168	10979	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	17702	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	14219	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	3953	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	5692	51.148	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.300%			
35) Dibromofluoromethane	7.715	113	3162	26.909	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 53.820%#			
50) Toluene-d8	10.178	98	14689	36.552	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 73.100%			
62) 4-Bromofluorobenzene	12.483	95	4525	27.139	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 54.280%			
Target Compounds						Qvalue
3) Chloromethane	2.113	50	291	2.300	ug/l	90
5) Bromomethane	2.661	94	366	3.386	ug/l #	58
10) Methyl Iodide	4.094	142	977	6.872	ug/l #	80
11) Tert butyl alcohol	4.911	59	128	Below Cal	#	77
16) Acetone	3.954	43	488	17.266	ug/l #	88
20) Methylene Chloride	4.710	84	639	Below Cal	#	60
25) 2-Butanone	6.966	43	241	5.931	ug/l #	54
26) 2,2-Dichloropropane	6.959	77	377	1.914	ug/l #	55
31) Cyclohexane	7.789	56	219	1.099	ug/l #	68
36) 1,1-Dichloropropene	7.782	75	986	5.813	ug/l #	42
37) Ethyl Acetate	6.966	43	241	2.895	ug/l #	1
38) Carbon Tetrachloride	7.782	117	1147	6.492	ug/l #	11
76) 1,2,3-Trichloropropane	12.477	75	2206	55.106	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	2206	115.113	ug/l #	7

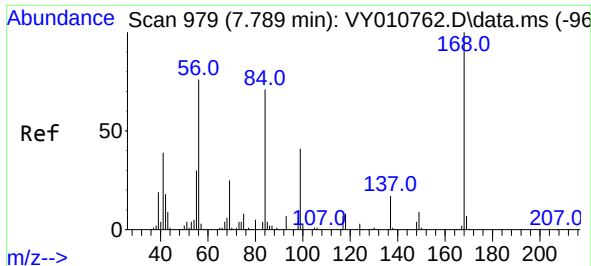
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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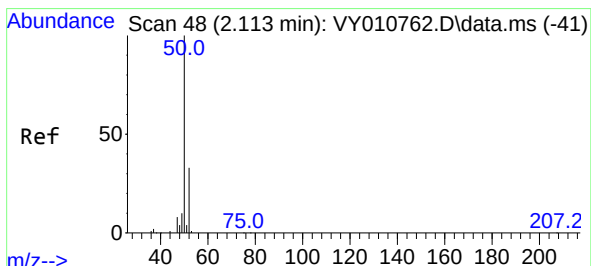
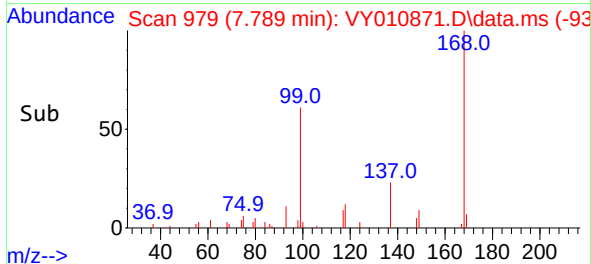
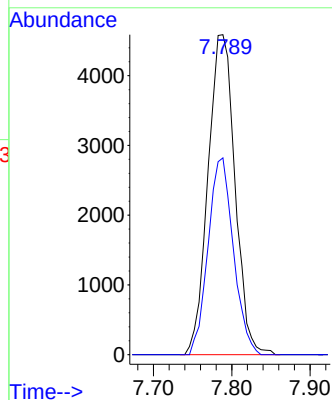
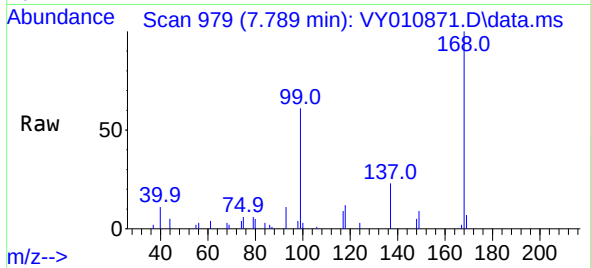




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010871.D
Acq: 07 Oct 2022 14:57

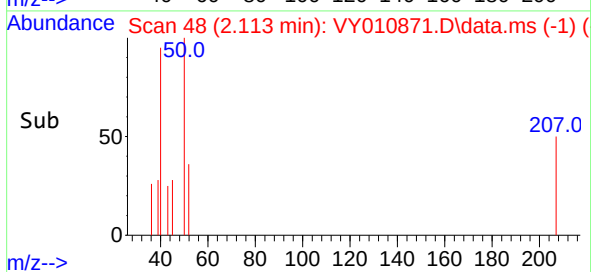
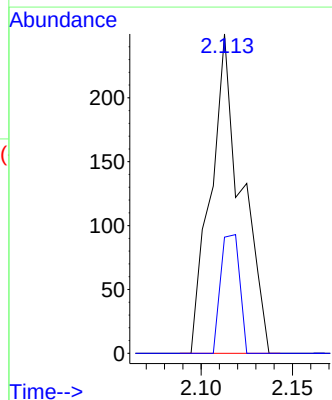
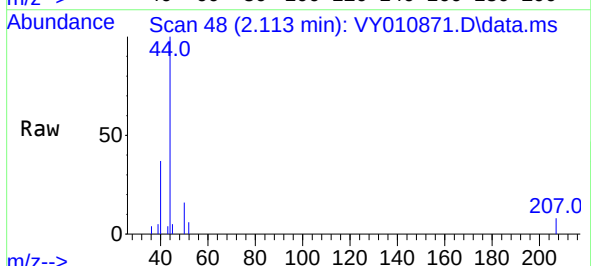
Instrument :
MSVOA_Y
ClientSampleId :
R-10

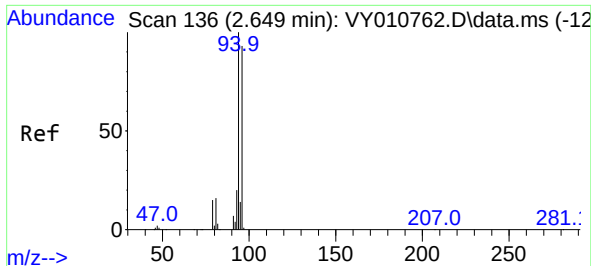
Tgt Ion:168 Resp: 10979
Ion Ratio Lower Upper
168 100
99 61.5 46.9 70.3



#3
Chloromethane
Concen: 2.300 ug/l
RT: 2.113 min Scan# 48
Delta R.T. -0.000 min
Lab File: VY010871.D
Acq: 07 Oct 2022 14:57

Tgt Ion: 50 Resp: 291
Ion Ratio Lower Upper
50 100
52 36.4 24.6 37.0

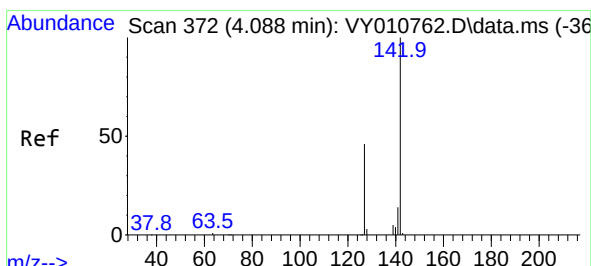
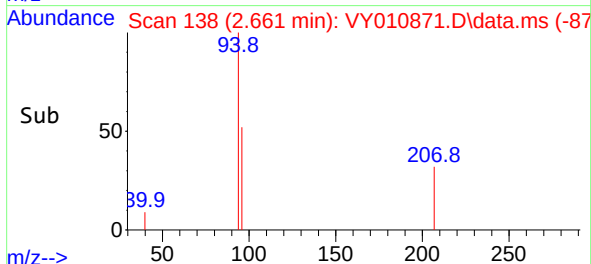
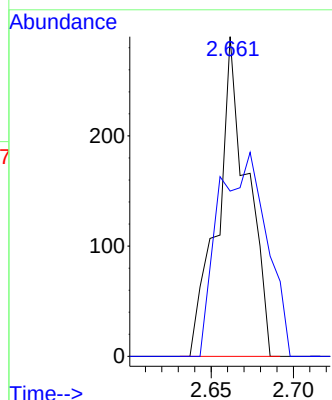
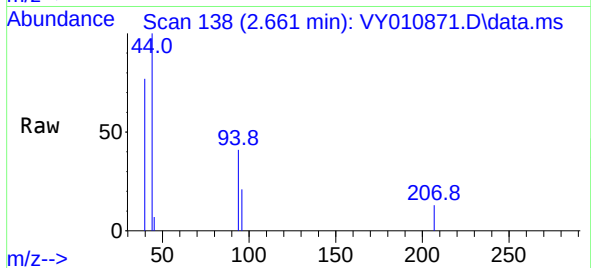




#5
Bromomethane
Concen: 3.386 ug/l
RT: 2.661 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY010871.D
Acq: 07 Oct 2022 14:57

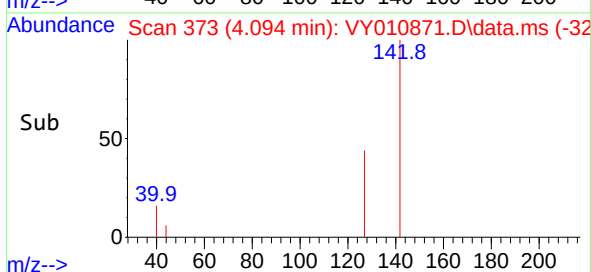
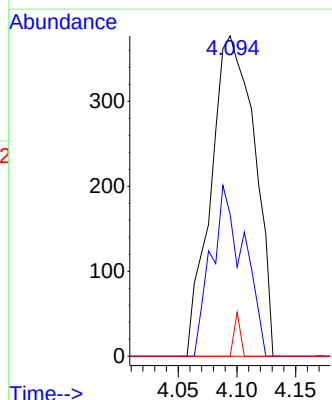
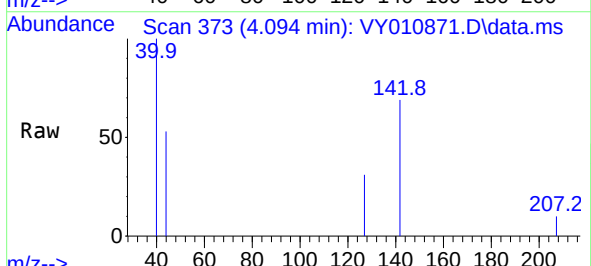
Instrument :
MSVOA_Y
ClientSampleId :
R-10

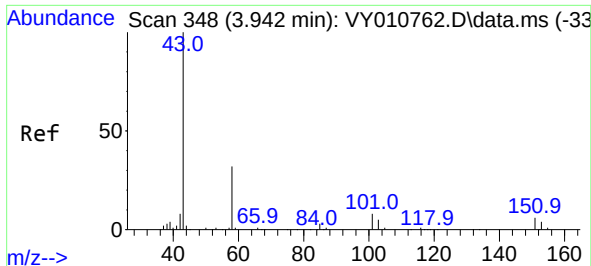
Tgt Ion: 94 Resp: 366
Ion Ratio Lower Upper
94 100
96 51.7 73.5 110.3#



#10
Methyl Iodide
Concen: 6.872 ug/l
RT: 4.094 min Scan# 373
Delta R.T. 0.006 min
Lab File: VY010871.D
Acq: 07 Oct 2022 14:57

Tgt Ion:142 Resp: 977
Ion Ratio Lower Upper
142 100
127 39.9 41.5 62.3#
141 1.9 11.9 17.9#

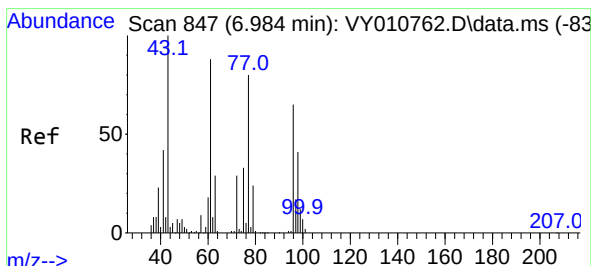
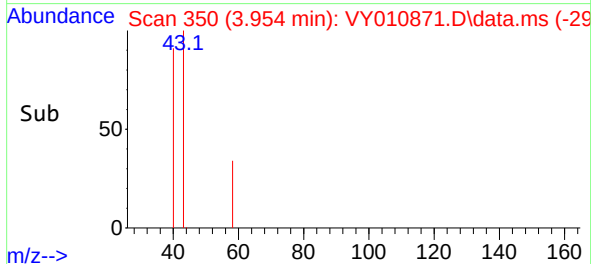
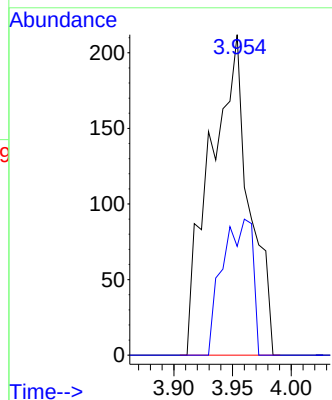
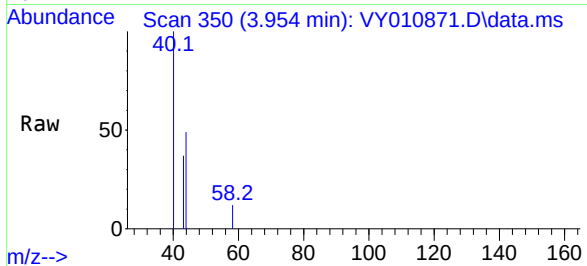




#16
Acetone
Concen: 17.266 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY010871.D
Acq: 07 Oct 2022 14:57

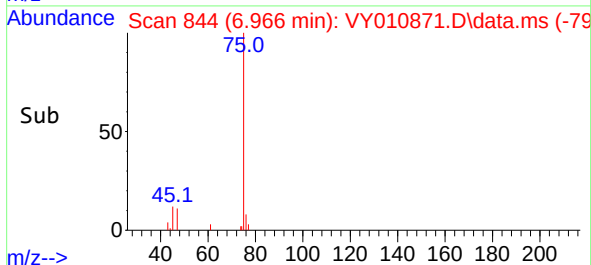
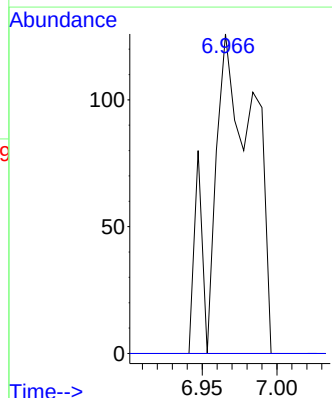
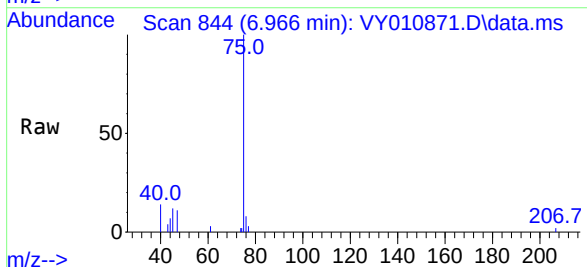
Instrument :
MSVOA_Y
ClientSampleId :
R-10

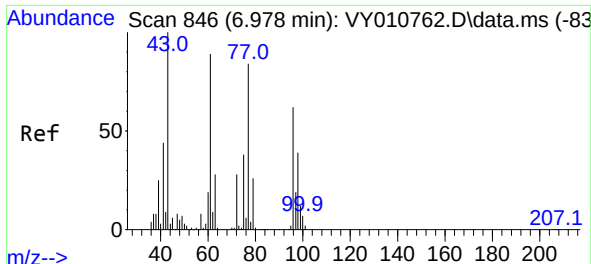
Tgt Ion: 43 Resp: 488
Ion Ratio Lower Upper
43 100
58 34.0 22.0 33.0#



#25
2-Butanone
Concen: 5.931 ug/l
RT: 6.966 min Scan# 844
Delta R.T. -0.018 min
Lab File: VY010871.D
Acq: 07 Oct 2022 14:57

Tgt Ion: 43 Resp: 241
Ion Ratio Lower Upper
43 100
72 0.0 17.7 26.5#





#26

2,2-Dichloropropane

Concen: 1.914 ug/l

RT: 6.959 min Scan# 846

Delta R.T. -0.019 min

Lab File: VY010871.D

Acq: 07 Oct 2022 14:57

Instrument :

MSVOA_Y

ClientSampleId :

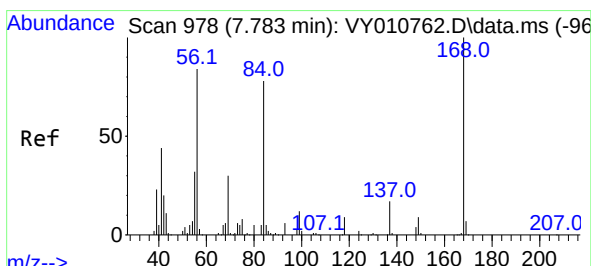
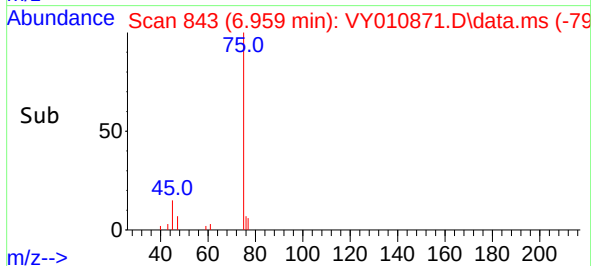
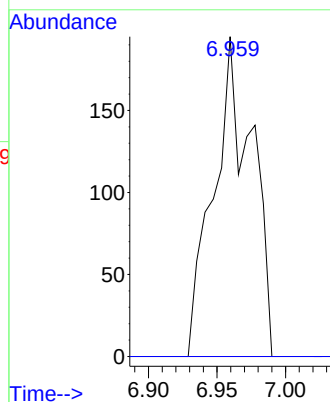
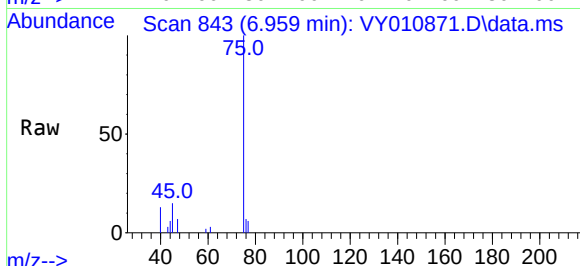
R-10

Tgt Ion: 77 Resp: 377

Ion Ratio Lower Upper

77 100

97 0.0 10.4 31.4#



#31

Cyclohexane

Concen: 1.099 ug/l

RT: 7.789 min Scan# 979

Delta R.T. 0.006 min

Lab File: VY010871.D

Acq: 07 Oct 2022 14:57

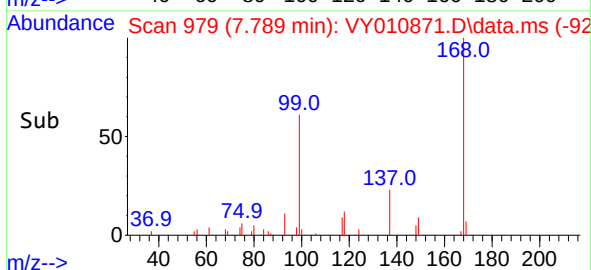
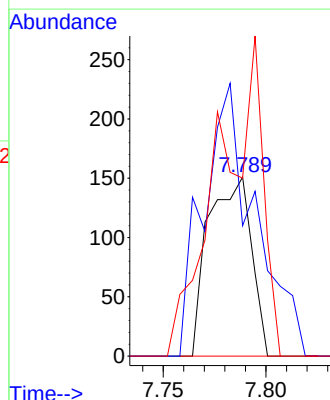
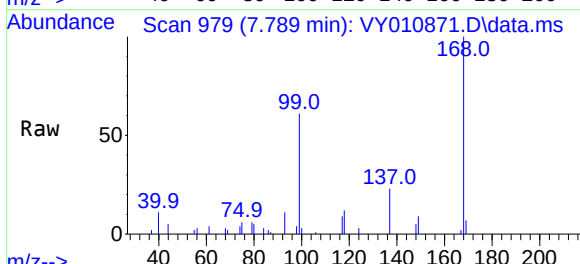
Tgt Ion: 56 Resp: 219

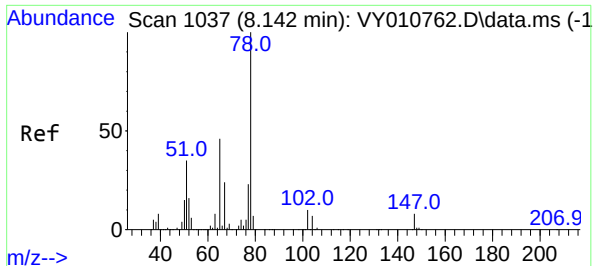
Ion Ratio Lower Upper

56 100

69 72.8 26.7 40.1#

84 99.3 67.2 100.8





#33

1,2-Dichloroethane-d4

Concen: 51.148 ug/l

RT: 8.136 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY010871.D

Acq: 07 Oct 2022 14:57

Instrument :

MSVOA_Y

ClientSampleId :

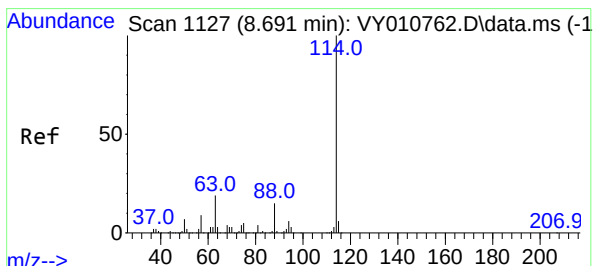
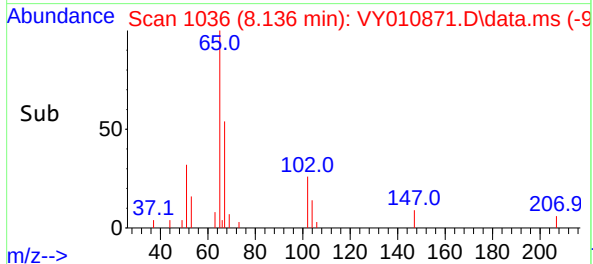
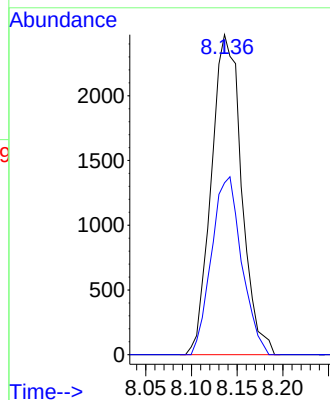
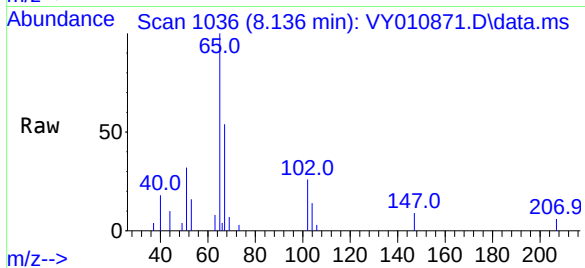
R-10

Tgt Ion: 65 Resp: 5692

Ion Ratio Lower Upper

65 100

67 55.5 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: VY010871.D

Acq: 07 Oct 2022 14:57

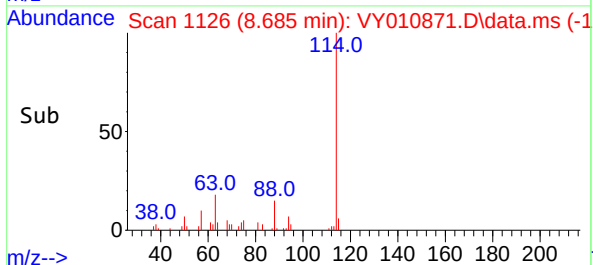
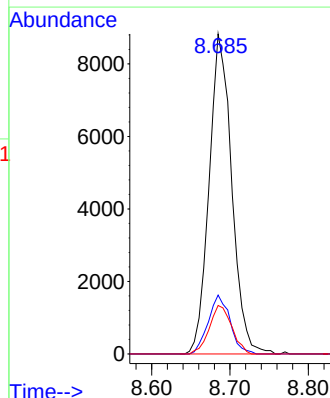
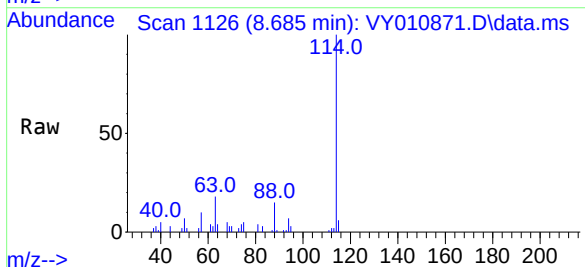
Tgt Ion: 114 Resp: 17702

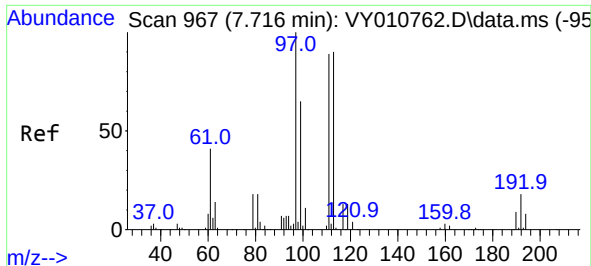
Ion Ratio Lower Upper

114 100

63 18.4 0.0 43.2

88 15.1 0.0 31.8

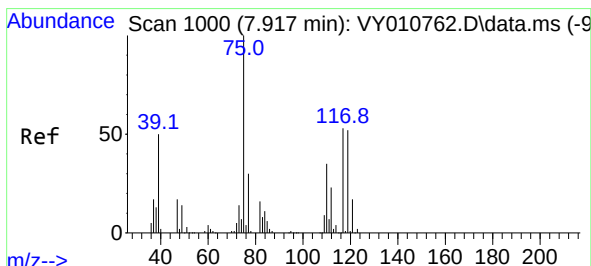
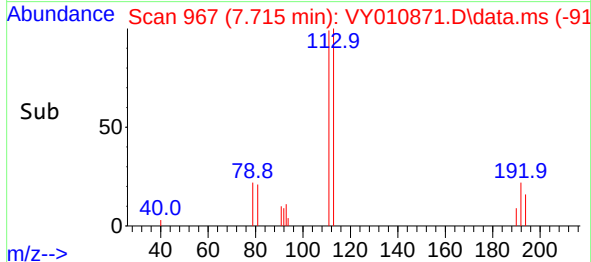
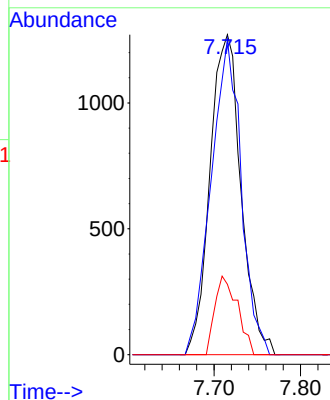
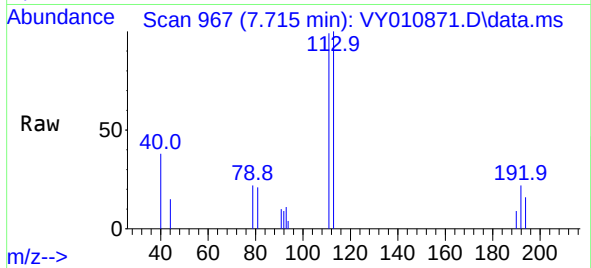




#35
Dibromofluoromethane
Concen: 26.909 ug/l
RT: 7.715 min Scan# 910
Delta R.T. -0.001 min
Lab File: VY010871.D
Acq: 07 Oct 2022 14:57

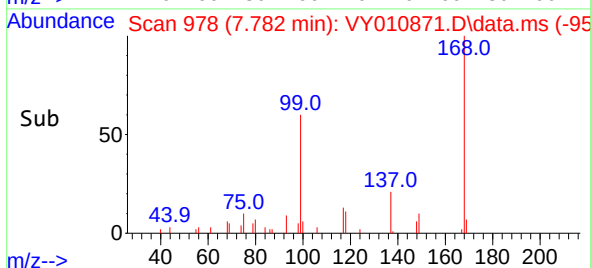
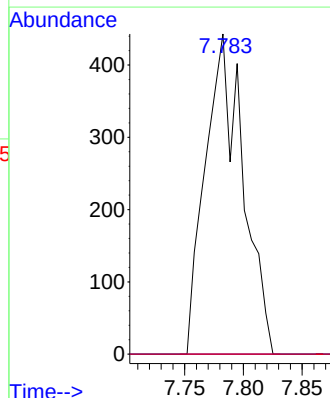
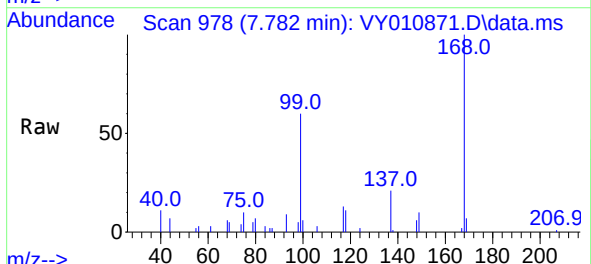
Instrument :
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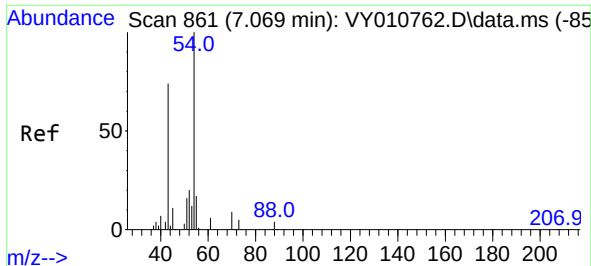
Tgt Ion:113 Resp: 3162
Ion Ratio Lower Upper
113 100
111 95.4 82.6 124.0
192 17.9 17.6 26.4



#36
1,1-Dichloropropene
Concen: 5.813 ug/l
RT: 7.782 min Scan# 978
Delta R.T. -0.135 min
Lab File: VY010871.D
Acq: 07 Oct 2022 14:57

Tgt Ion: 75 Resp: 986
Ion Ratio Lower Upper
75 100
110 0.0 17.1 51.2#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 2.895 ug/l

RT: 6.966 min Scan# 84

Delta R.T. -0.103 min

Lab File: VY010871.D

Acq: 07 Oct 2022 14:57

Instrument :

MSVOA_Y

ClientSampleId :

R-10

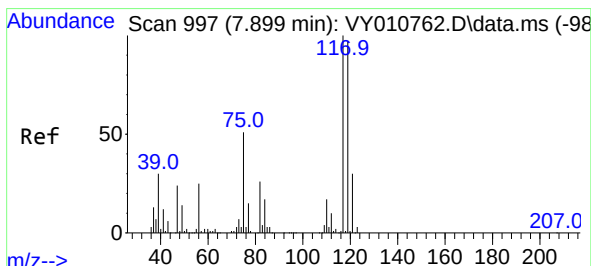
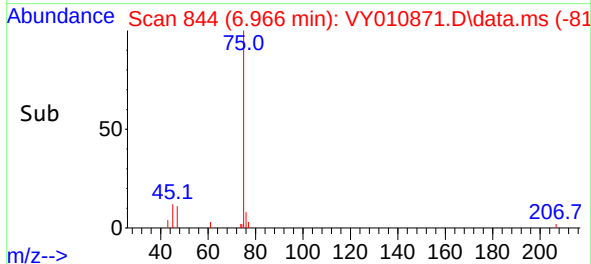
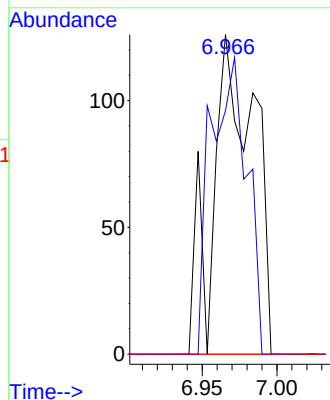
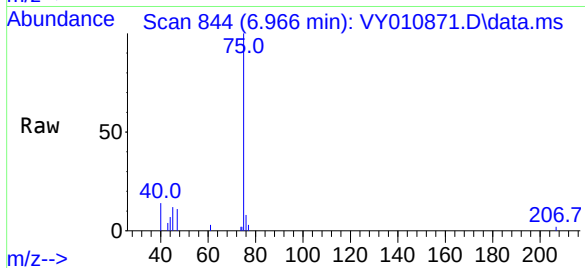
Tgt Ion: 43 Resp: 241

Ion Ratio Lower Upper

43 100

61 81.3 9.7 14.5#

70 0.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 6.492 ug/l

RT: 7.782 min Scan# 978

Delta R.T. -0.117 min

Lab File: VY010871.D

Acq: 07 Oct 2022 14:57

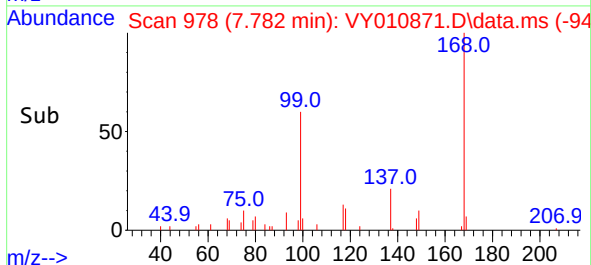
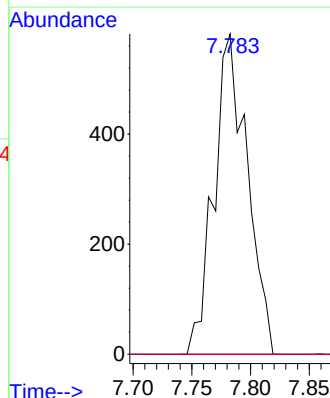
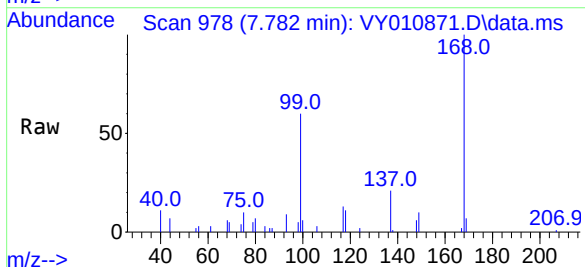
Tgt Ion: 117 Resp: 1147

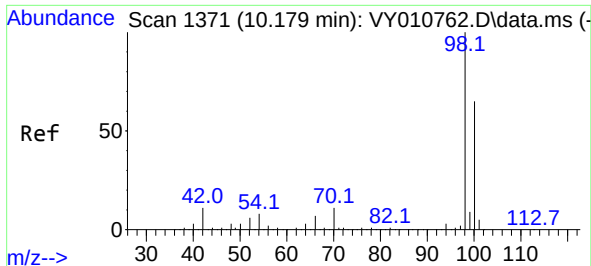
Ion Ratio Lower Upper

117 100

119 0.0 77.9 116.9#

121 0.0 24.8 37.2#

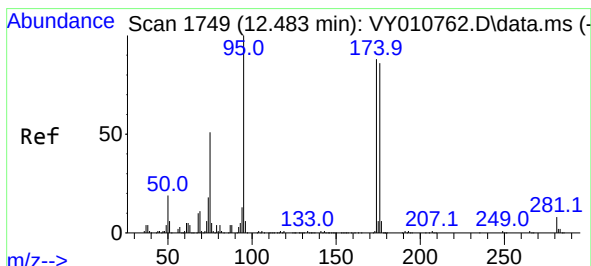
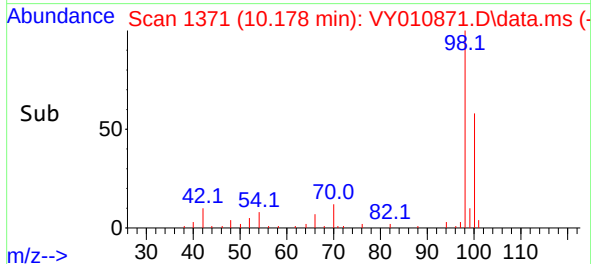
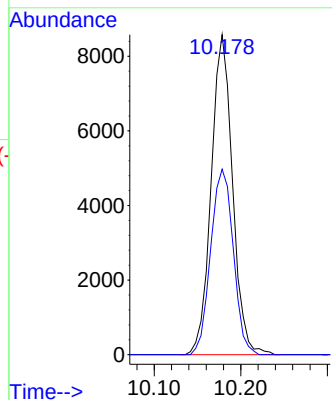
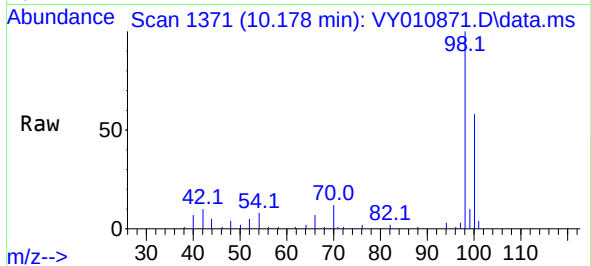




#50
Toluene-d8
Concen: 36.552 ug/l
RT: 10.178 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY010871.D
Acq: 07 Oct 2022 14:57

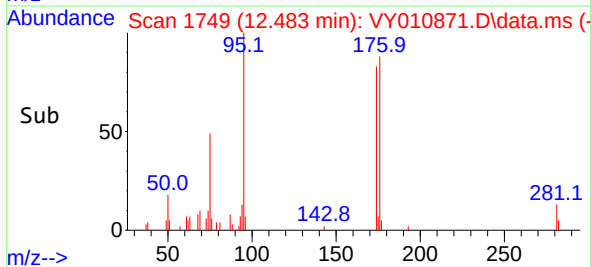
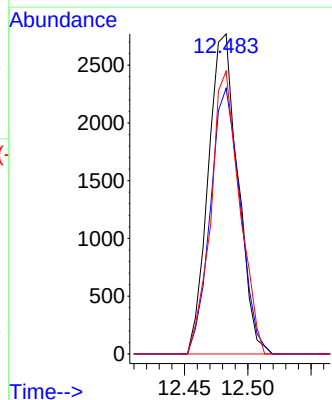
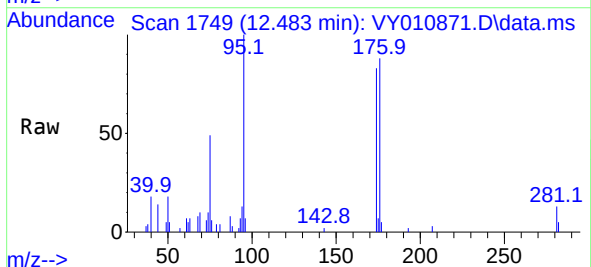
Instrument :
MSVOA_Y
ClientSampleId :
R-10

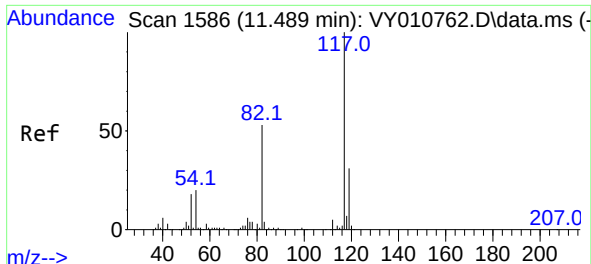
Tgt Ion: 98 Resp: 14689
Ion Ratio Lower Upper
98 100
100 61.3 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 27.139 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY010871.D
Acq: 07 Oct 2022 14:57

Tgt Ion: 95 Resp: 4525
Ion Ratio Lower Upper
95 100
174 83.4 0.0 177.0
176 85.5 0.0 175.8

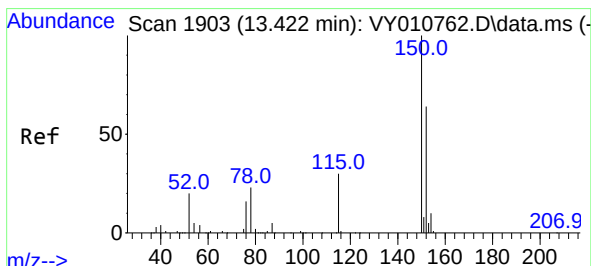
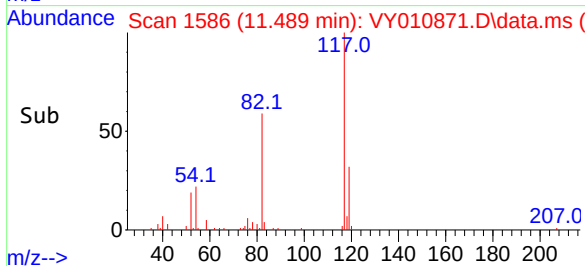
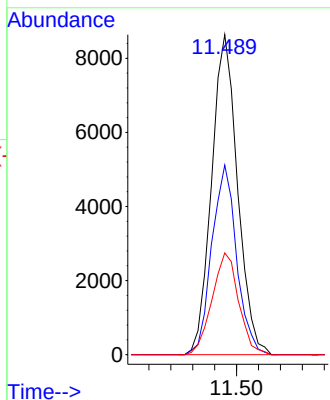
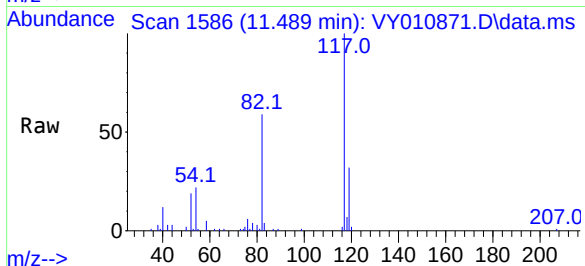




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY010871.D
Acq: 07 Oct 2022 14:57

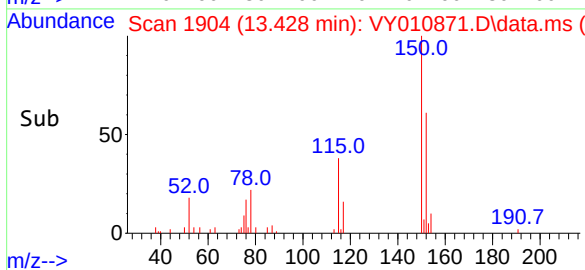
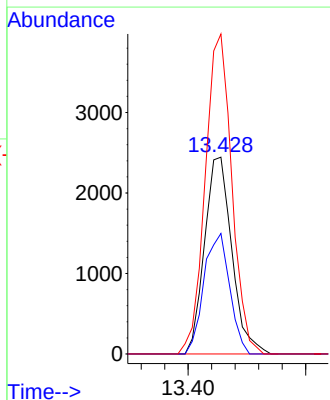
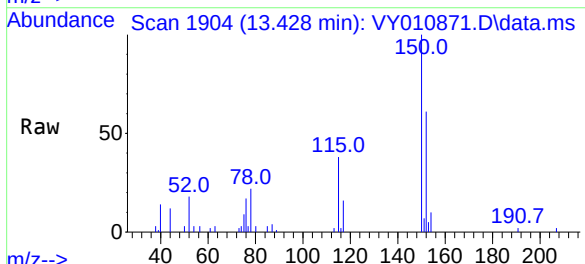
Instrument :
MSVOA_Y
ClientSampleId :
R-10

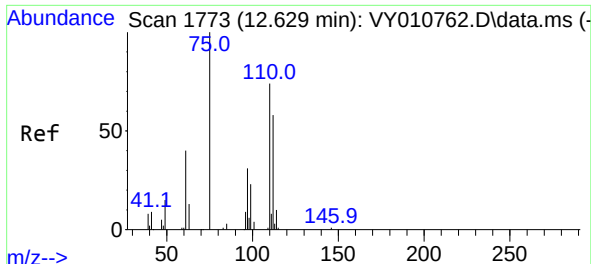
Tgt Ion:	117	Resp:	14219
Ion	Ratio	Lower	Upper
117	100		
82	59.3	43.0	64.4
119	31.8	25.4	38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY010871.D
Acq: 07 Oct 2022 14:57

Tgt Ion:	152	Resp:	3953
Ion	Ratio	Lower	Upper
152	100		
115	57.6	28.2	84.7
150	158.0	0.0	347.6

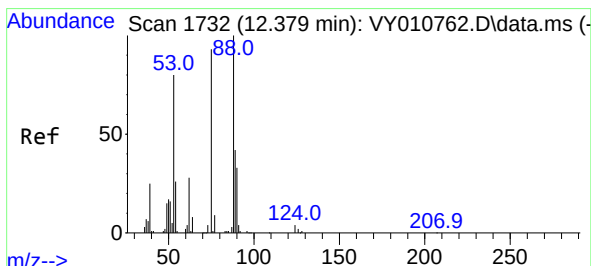
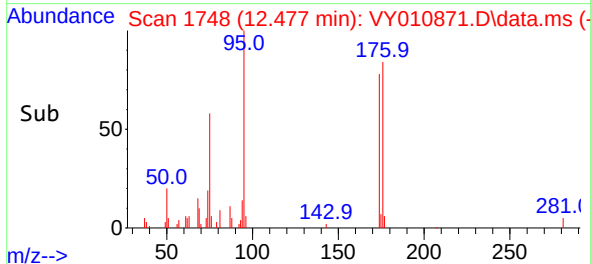
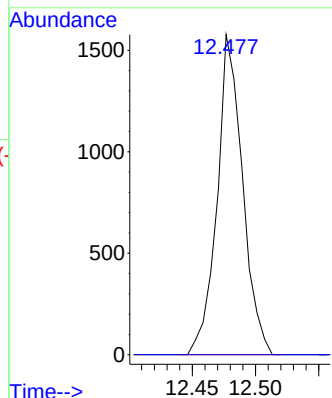
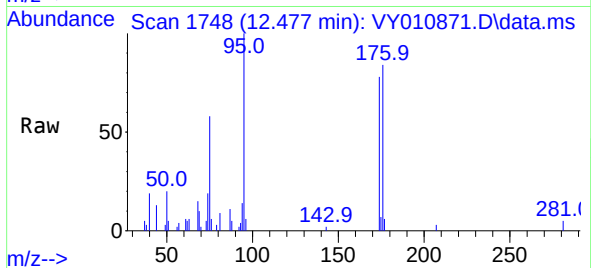




#76
1,2,3-Trichloropropane
Concen: 55.106 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY010871.D
Acq: 07 Oct 2022 14:57

Instrument :
MSVOA_Y
ClientSampleId :
R-10

Tgt Ion: 75 Resp: 2206
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 115.113 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY010871.D
Acq: 07 Oct 2022 14:57

Tgt Ion: 75 Resp: 2206
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#

