

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092222\
 Data File : VY010619.D
 Acq On : 22 Sep 2022 13:55
 Operator : KP/MD
 Sample : N4712-01
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HR-01-091922

Quant Time: Sep 23 09:02:28 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)

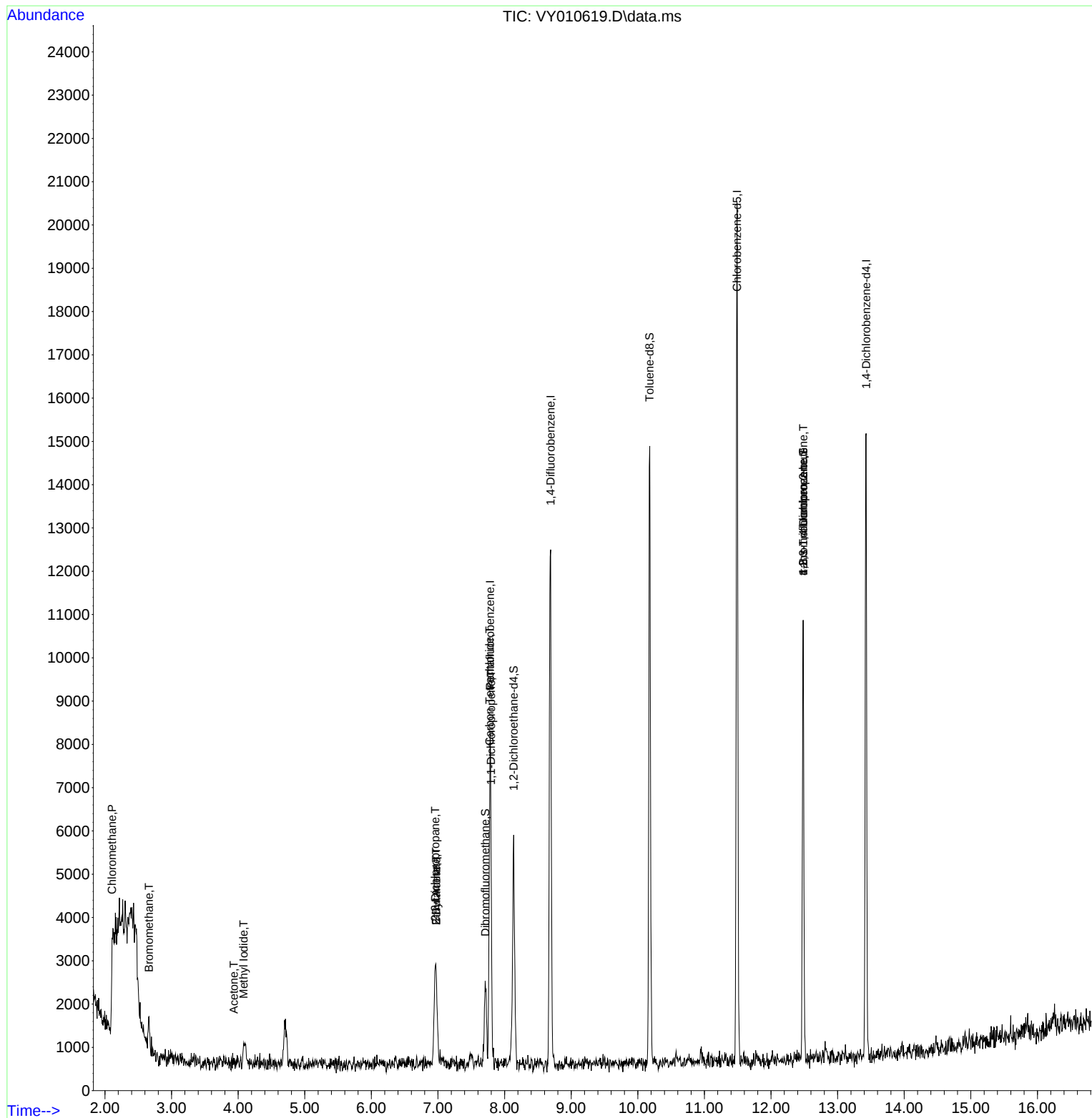
Internal Standards						
1) Pentafluorobenzene	7.783	168	6027	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	10972	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	11093	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	3941	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	3686	63.941	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 127.880%	
35) Dibromofluoromethane	7.710	113	1458	20.822	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 41.640%#	
50) Toluene-d8	10.179	98	10219	40.144	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 80.280%	
62) 4-Bromofluorobenzene	12.483	95	3087	31.122	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 62.240%	
Target Compounds						
						Qvalue
3) Chloromethane	2.107	50	345	4.292	ug/l	97
4) Vinyl Chloride	2.406	62	116	Below Cal	#	43
5) Bromomethane	2.662	94	304	3.947	ug/l #	66
10) Methyl Iodide	4.082	142	818	14.856	ug/l #	35
16) Acetone	3.936	43	173	14.716	ug/l #	47
25) 2-Butanone	6.972	43	82	4.460	ug/l #	54
26) 2,2-Dichloropropane	6.960	77	92	1.052	ug/l #	55
31) Cyclohexane	7.783	56	113	Below Cal	#	54
36) 1,1-Dichloropropene	7.795	75	482	6.178	ug/l #	42
37) Ethyl Acetate	6.972	43	82	1.820	ug/l #	72
38) Carbon Tetrachloride	7.777	117	610	6.800	ug/l #	11
76) 1,2,3-Trichloropropane	12.483	75	1464	38.921	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	1464	86.539	ug/l #	7

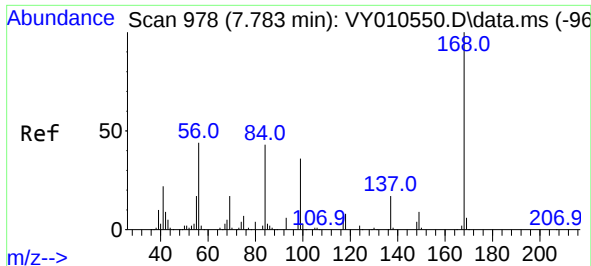
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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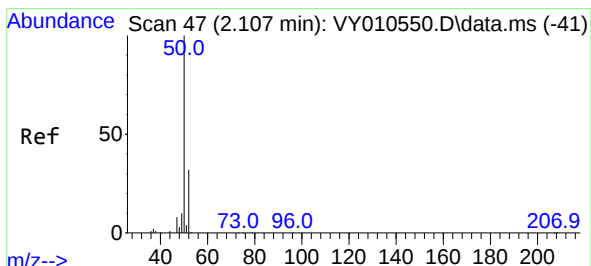
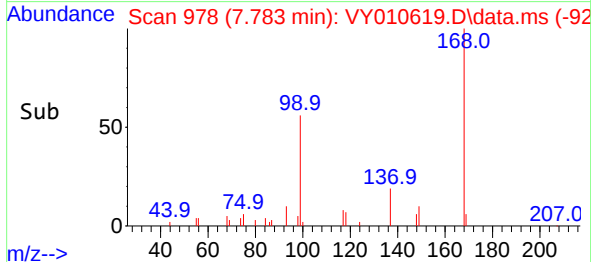
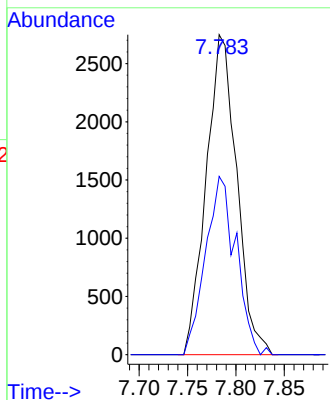
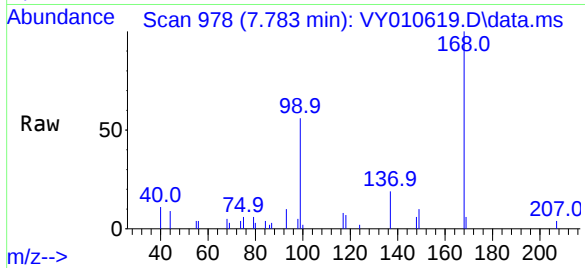




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010619.D
Acq: 22 Sep 2022 13:55

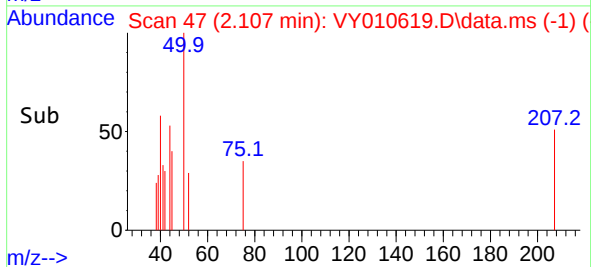
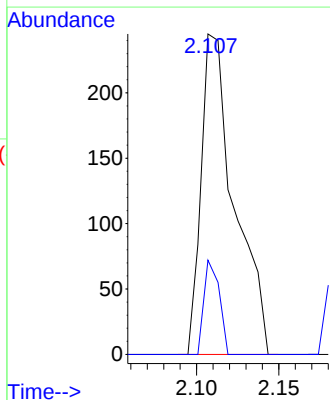
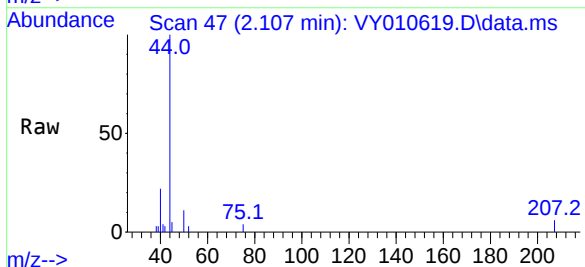
Instrument :
MSVOA_Y
ClientSampleId :
HR-01-091922

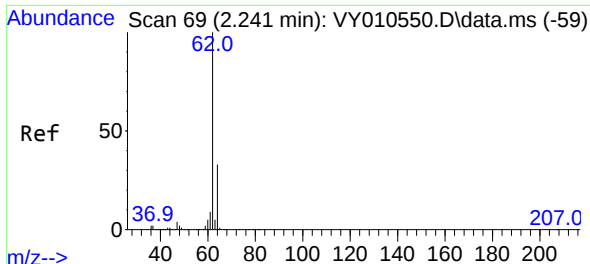
Tgt Ion:168 Resp: 6027
Ion Ratio Lower Upper
168 100
99 55.7 46.9 70.3



#3
Chloromethane
Concen: 4.292 ug/l
RT: 2.107 min Scan# 47
Delta R.T. -0.000 min
Lab File: VY010619.D
Acq: 22 Sep 2022 13:55

Tgt Ion: 50 Resp: 345
Ion Ratio Lower Upper
50 100
52 29.4 24.6 37.0

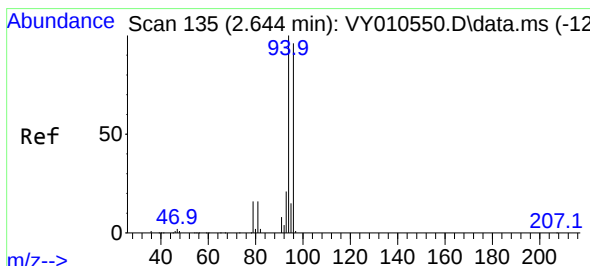
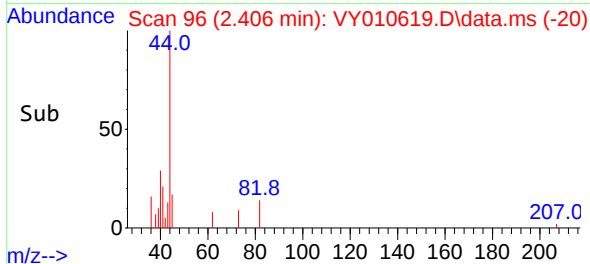
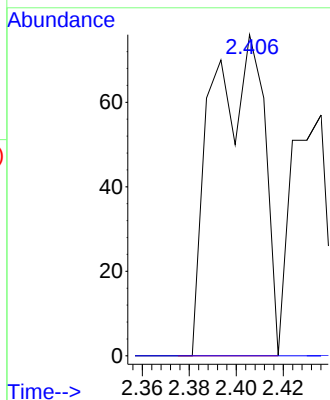
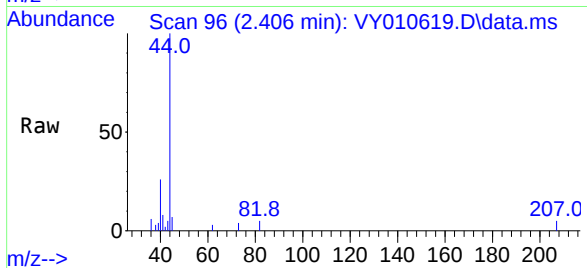




#4
 Vinyl Chloride
 Concen: Below Cal
 RT: 2.406 min Scan# 90
 Delta R.T. 0.165 min
 Lab File: VY010619.D
 Acq: 22 Sep 2022 13:55

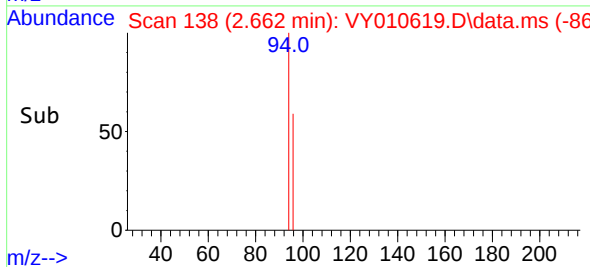
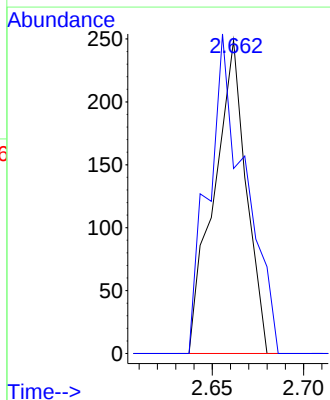
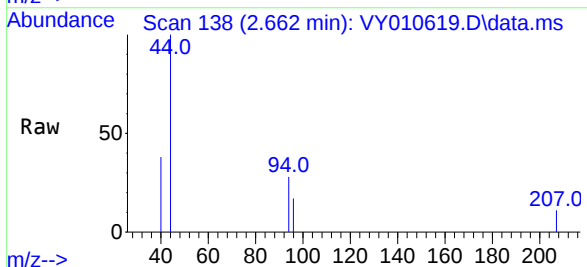
Instrument :
 MSVOA_Y
 ClientSampleId :
 HR-01-091922

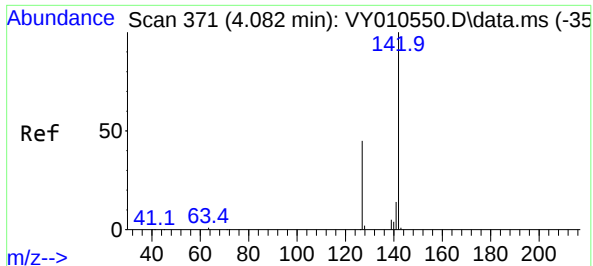
Tgt Ion: 62 Resp: 116
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.0 37.6#



#5
 Bromomethane
 Concen: 3.947 ug/l
 RT: 2.662 min Scan# 138
 Delta R.T. 0.018 min
 Lab File: VY010619.D
 Acq: 22 Sep 2022 13:55

Tgt Ion: 94 Resp: 304
 Ion Ratio Lower Upper
 94 100
 96 59.0 73.5 110.3#

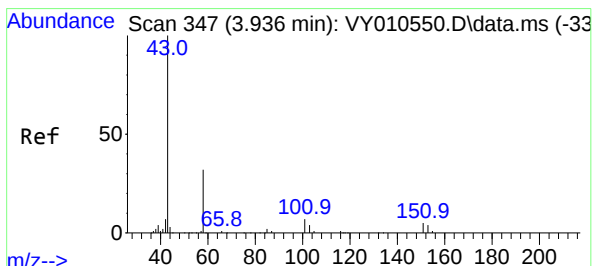
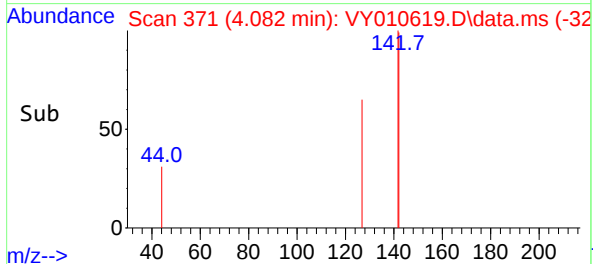
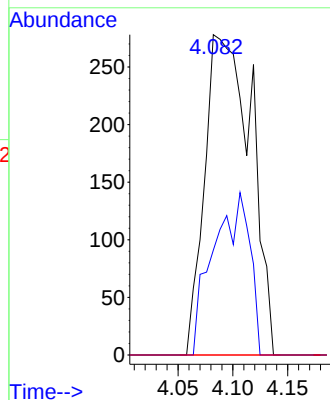
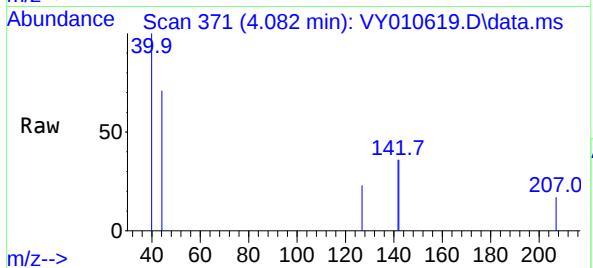




#10
Methyl Iodide
Concen: 14.856 ug/l
RT: 4.082 min Scan# 31
Delta R.T. 0.000 min
Lab File: VY010619.D
Acq: 22 Sep 2022 13:55

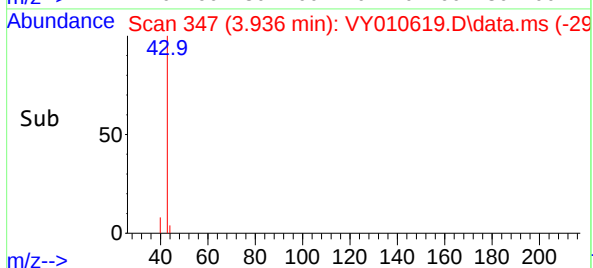
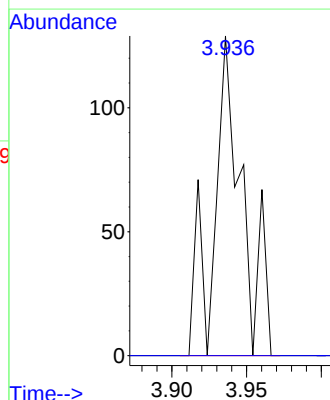
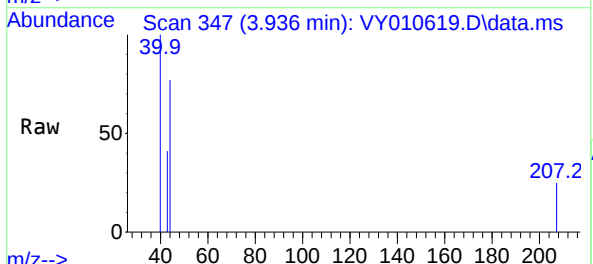
Instrument :
MSVOA_Y
ClientSampleId :
HR-01-091922

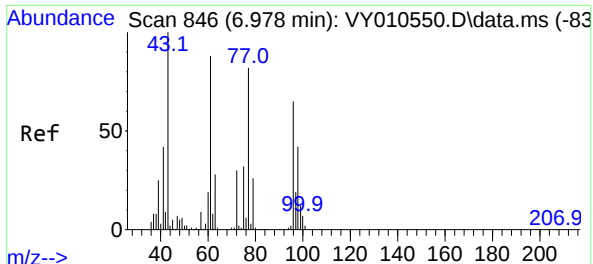
Tgt Ion:142 Resp: 818
Ion Ratio Lower Upper
142 100
127 0.0 41.5 62.3#
141 0.0 11.9 17.9#



#16
Acetone
Concen: 14.716 ug/l
RT: 3.936 min Scan# 347
Delta R.T. -0.000 min
Lab File: VY010619.D
Acq: 22 Sep 2022 13:55

Tgt Ion: 43 Resp: 173
Ion Ratio Lower Upper
43 100
58 0.0 22.0 33.0#

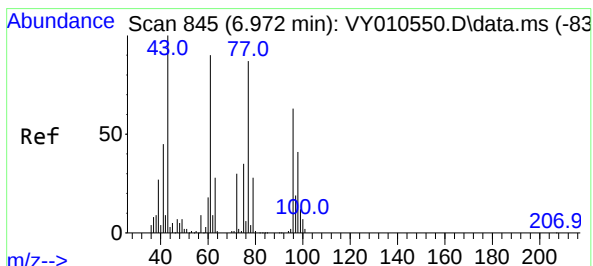
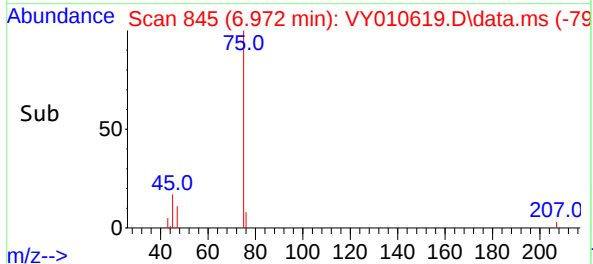
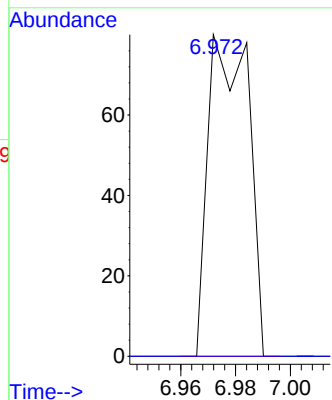
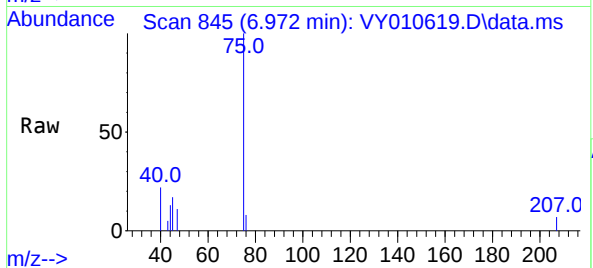




#25
2-Butanone
Concen: 4.460 ug/l
RT: 6.972 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY010619.D
Acq: 22 Sep 2022 13:55

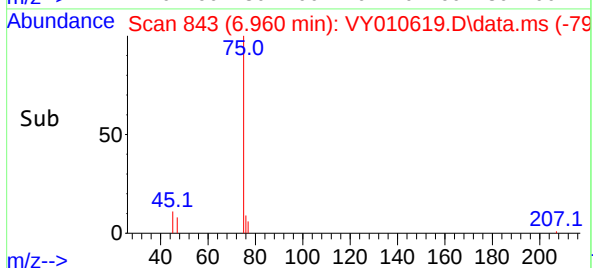
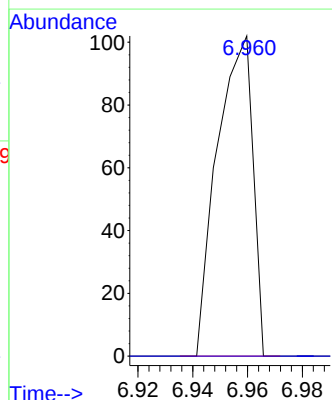
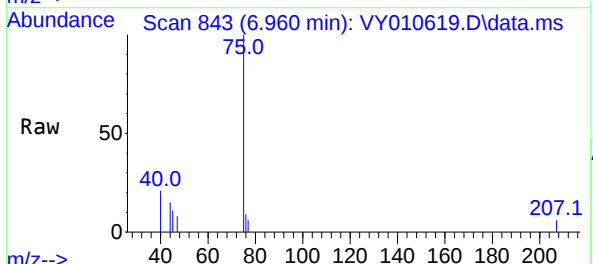
Instrument :
MSVOA_Y
ClientSampleId :
HR-01-091922

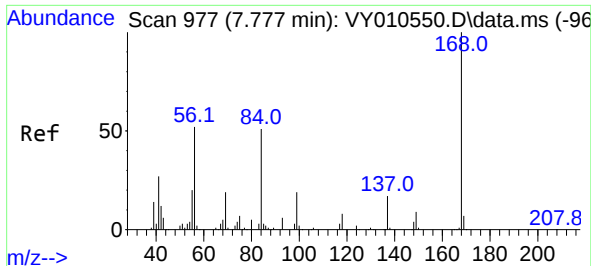
Tgt Ion: 43 Resp: 82
Ion Ratio Lower Upper
43 100
72 0.0 17.7 26.5#



#26
2,2-Dichloropropane
Concen: 1.052 ug/l
RT: 6.960 min Scan# 843
Delta R.T. -0.012 min
Lab File: VY010619.D
Acq: 22 Sep 2022 13:55

Tgt Ion: 77 Resp: 92
Ion Ratio Lower Upper
77 100
97 0.0 10.4 31.4#

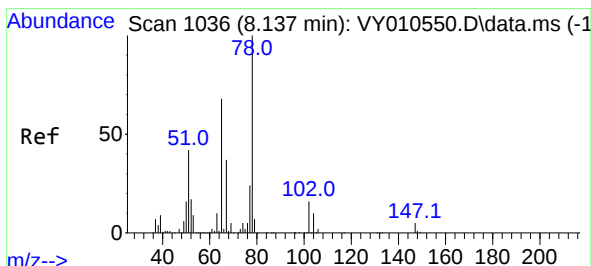
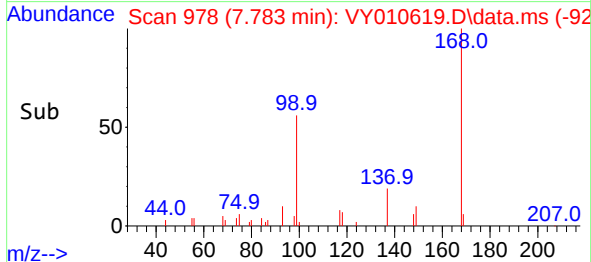
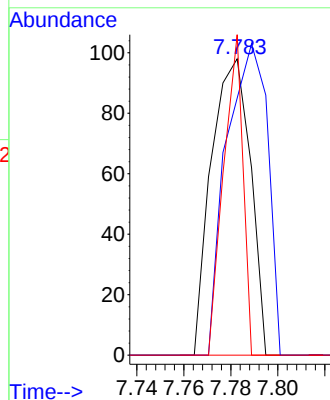
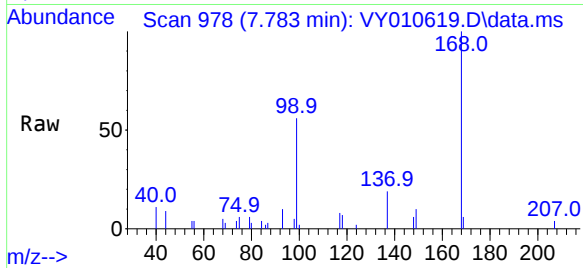




#31
Cyclohexane
Concen: Below Cal
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010619.D
Acq: 22 Sep 2022 13:55

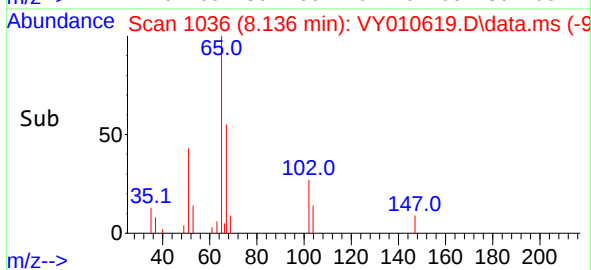
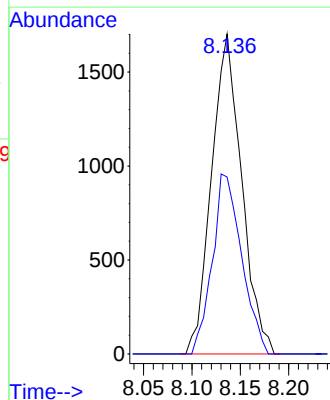
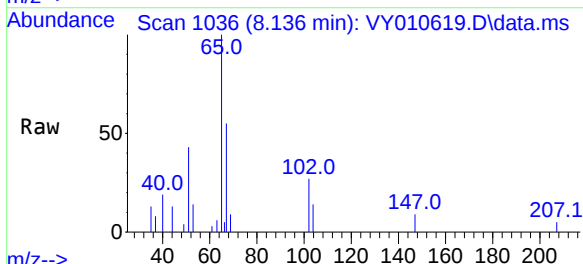
Instrument :
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ClientSampleId :
HR-01-091922

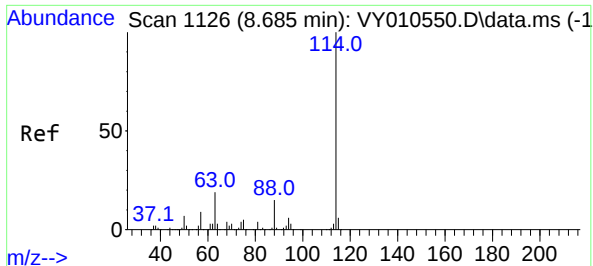
Tgt Ion: 56 Resp: 113
Ion Ratio Lower Upper
56 100
69 86.7 26.7 40.1#
84 108.2 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 63.941 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.001 min
Lab File: VY010619.D
Acq: 22 Sep 2022 13:55

Tgt Ion: 65 Resp: 3686
Ion Ratio Lower Upper
65 100
67 54.7 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VY010619.D

Acq: 22 Sep 2022 13:55

Instrument :

MSVOA_Y

ClientSampleId :

HR-01-091922

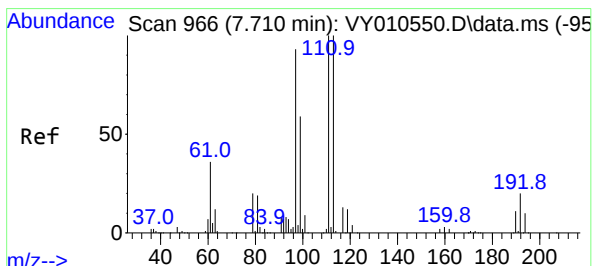
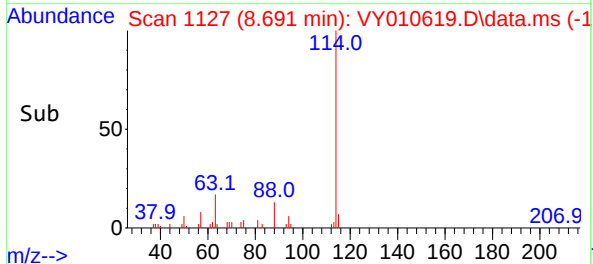
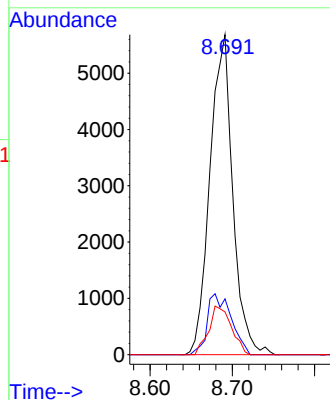
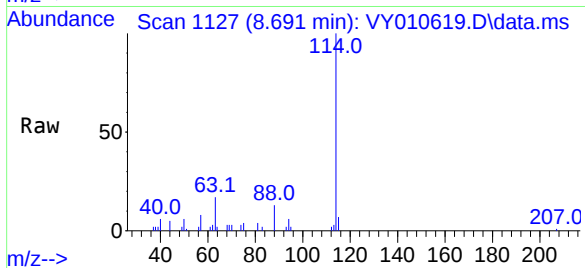
Tgt Ion:114 Resp: 10972

Ion Ratio Lower Upper

114 100

63 17.4 0.0 43.2

88 13.4 0.0 31.8



#35

Dibromofluoromethane

Concen: 20.822 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.000 min

Lab File: VY010619.D

Acq: 22 Sep 2022 13:55

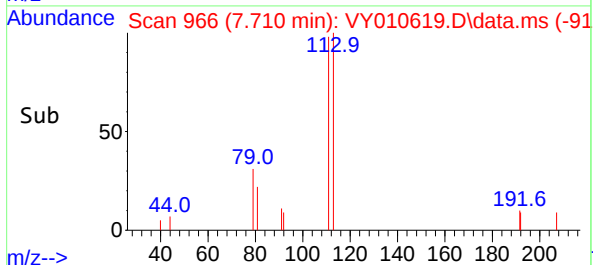
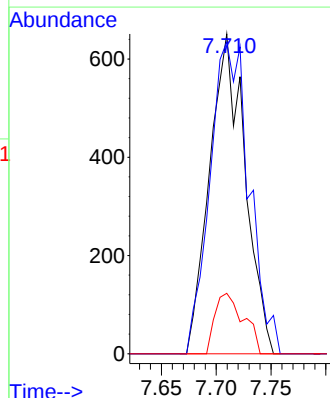
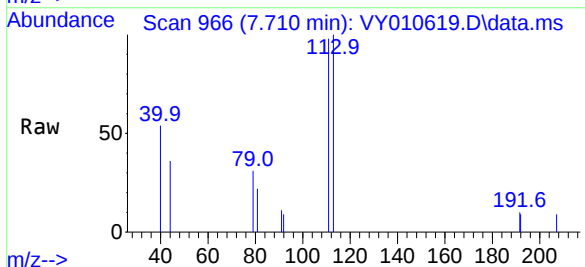
Tgt Ion:113 Resp: 1458

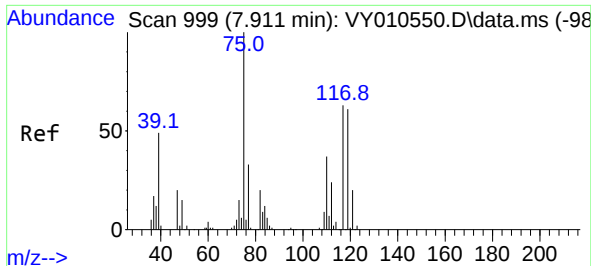
Ion Ratio Lower Upper

113 100

111 108.0 82.6 124.0

192 15.2 17.6 26.4#





#36

1,1-Dichloropropene

Concen: 6.178 ug/l

RT: 7.795 min Scan# 91

Delta R.T. -0.116 min

Lab File: VY010619.D

Acq: 22 Sep 2022 13:55

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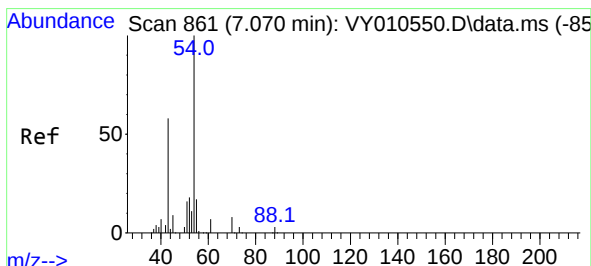
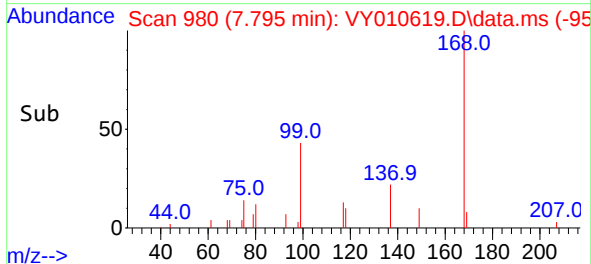
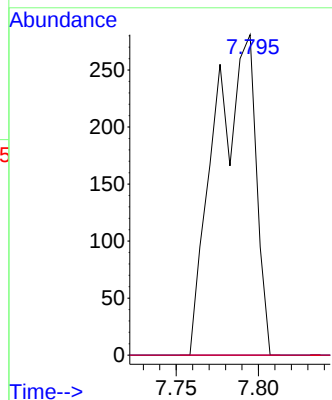
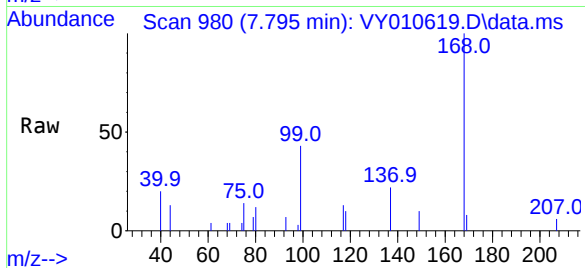
Tgt Ion: 75 Resp: 482

Ion Ratio Lower Upper

75 100

110 0.0 17.1 51.2#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 1.820 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.098 min

Lab File: VY010619.D

Acq: 22 Sep 2022 13:55

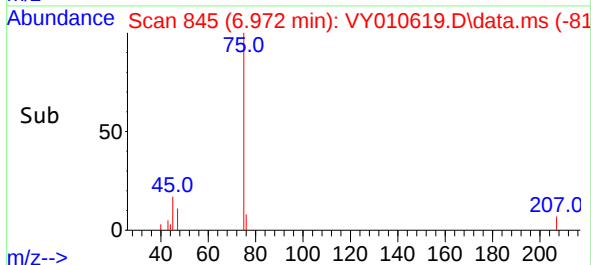
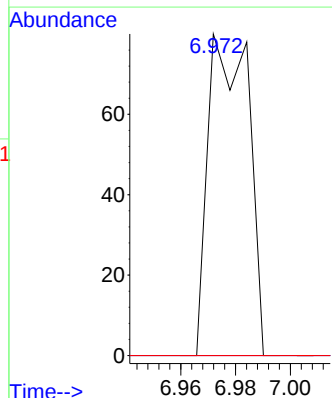
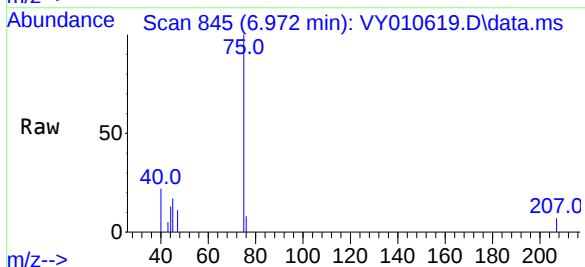
Tgt Ion: 43 Resp: 82

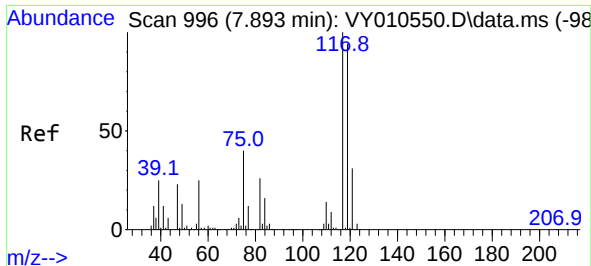
Ion Ratio Lower Upper

43 100

61 0.0 9.7 14.5#

70 0.0 7.1 10.7#

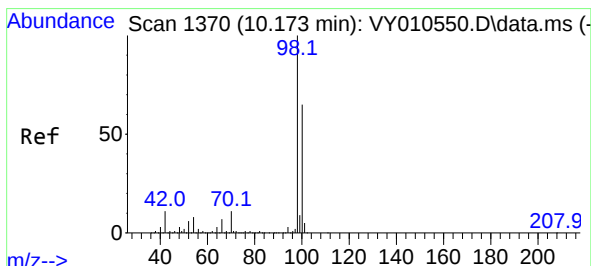
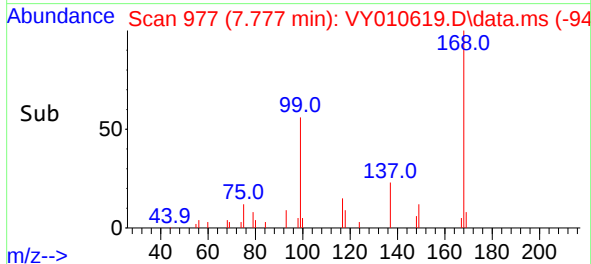
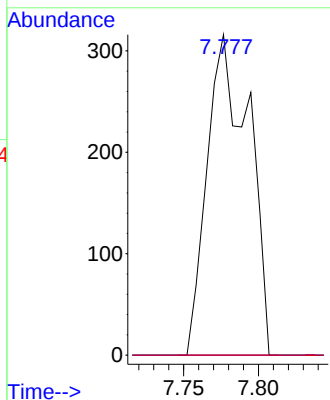
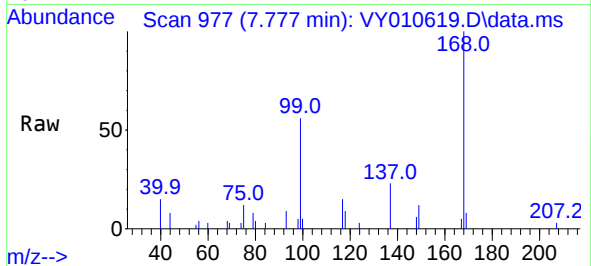




#38
Carbon Tetrachloride
Concen: 6.800 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY010619.D
Acq: 22 Sep 2022 13:55

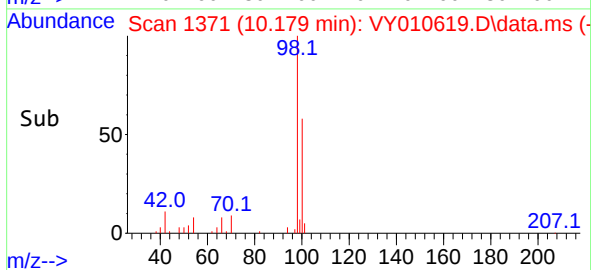
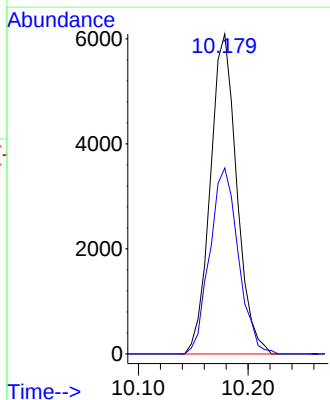
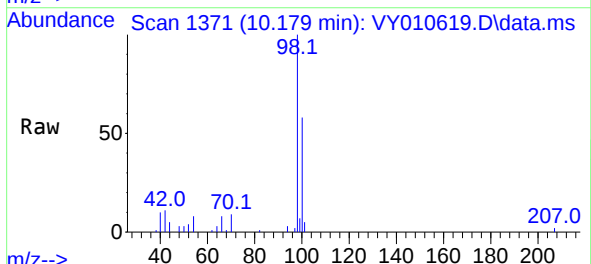
Instrument :
MSVOA_Y
ClientSampleId :
HR-01-091922

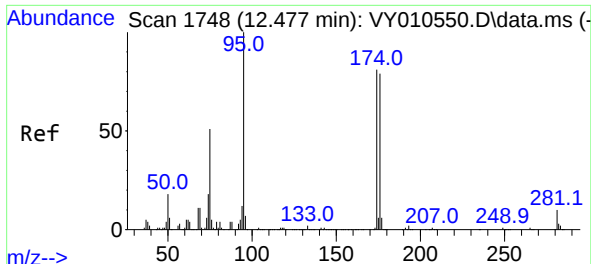
Tgt Ion:117 Resp: 610
Ion Ratio Lower Upper
117 100
119 0.0 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 40.144 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.006 min
Lab File: VY010619.D
Acq: 22 Sep 2022 13:55

Tgt Ion: 98 Resp: 10219
Ion Ratio Lower Upper
98 100
100 62.8 50.2 75.2

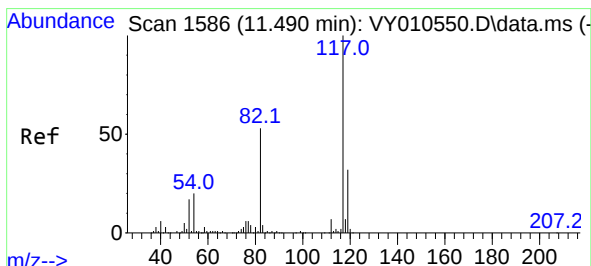
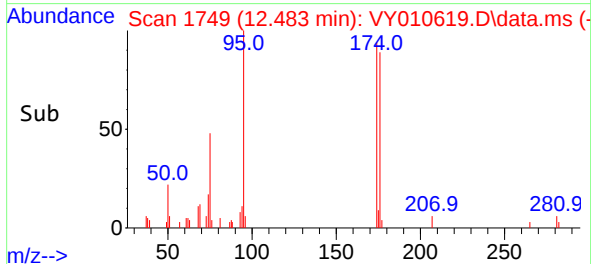
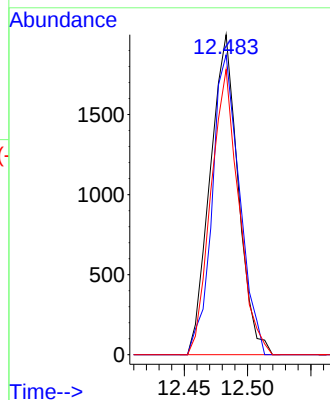
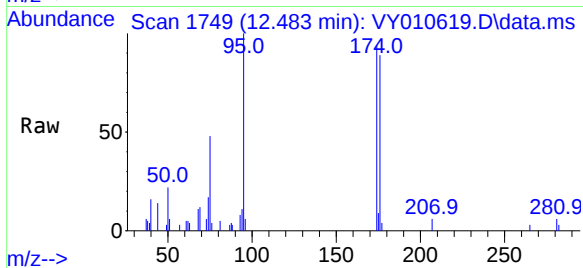




#62
4-Bromofluorobenzene
Concen: 31.122 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.006 min
Lab File: VY010619.D
Acq: 22 Sep 2022 13:55

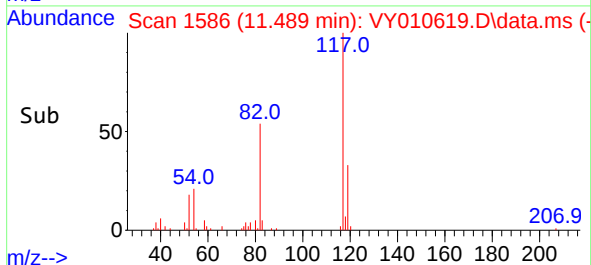
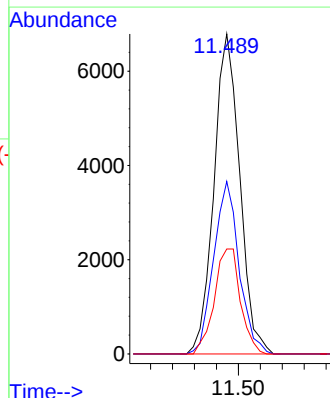
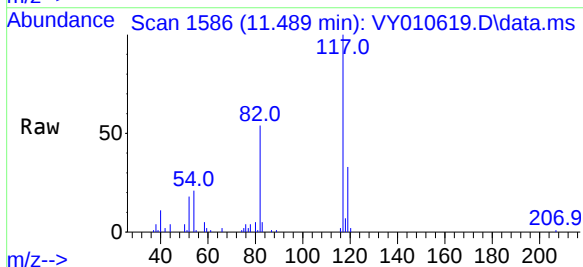
Instrument :
MSVOA_Y
ClientSampleId :
HR-01-091922

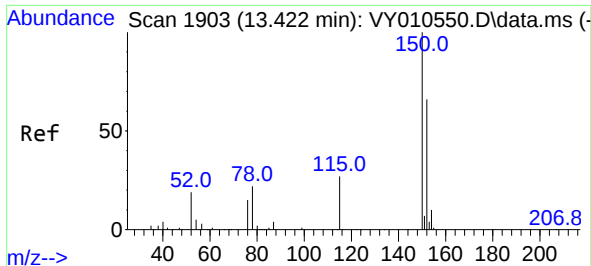
Tgt Ion:	95	Resp:	3087
Ion	Ratio	Lower	Upper
95	100		
174	90.9	0.0	177.0
176	88.1	0.0	175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY010619.D
Acq: 22 Sep 2022 13:55

Tgt Ion:	117	Resp:	11093
Ion	Ratio	Lower	Upper
117	100		
82	53.9	43.0	64.4
119	32.8	25.4	38.0

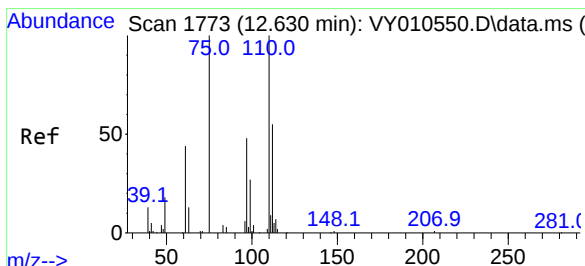
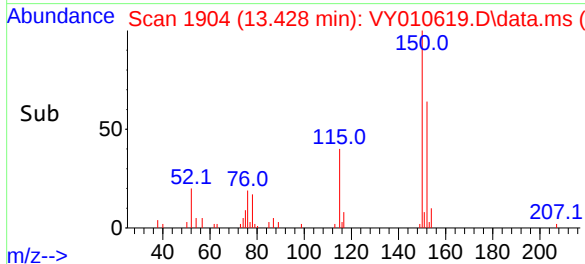
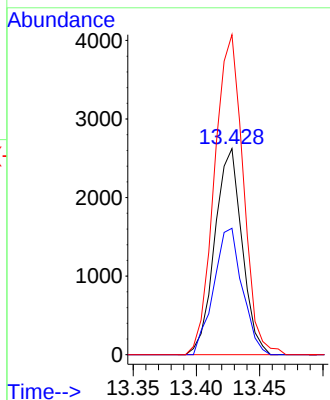
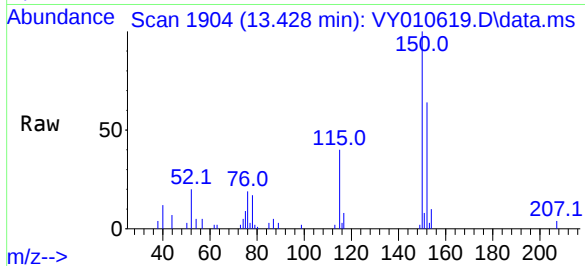




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY010619.D
Acq: 22 Sep 2022 13:55

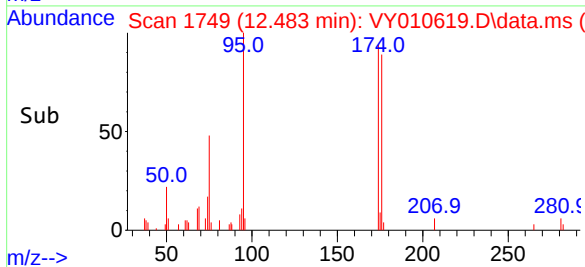
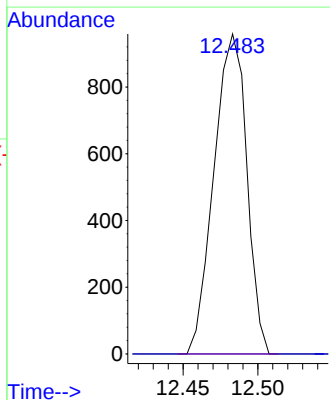
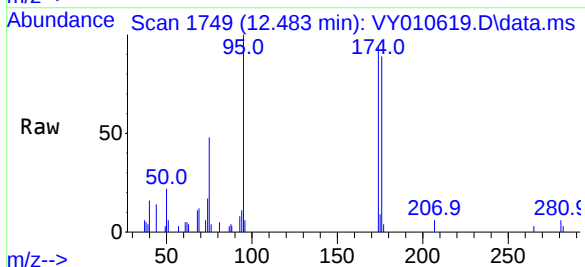
Instrument :
MSVOA_Y
ClientSampleId :
HR-01-091922

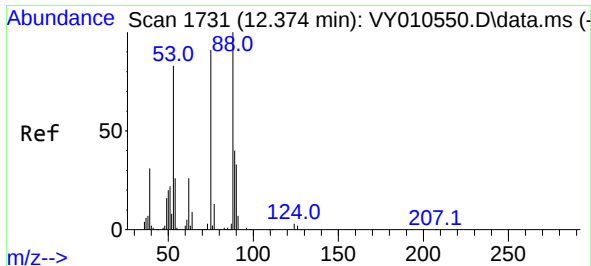
Tgt Ion:152 Resp: 3941
Ion Ratio Lower Upper
152 100
115 64.1 28.2 84.7
150 163.3 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 38.921 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY010619.D
Acq: 22 Sep 2022 13:55

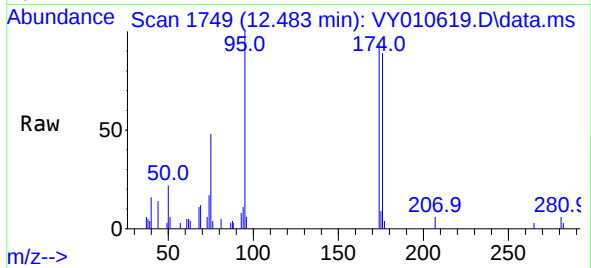
Tgt Ion: 75 Resp: 1464
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 86.539 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.109 min
 Lab File: VY010619.D
 Acq: 22 Sep 2022 13:55

Instrument :
 MSVOA_Y
 ClientSampleId :
 HR-01-091922



Tgt Ion: 75 Resp: 1464
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.3 127.9#
 89 0.0 37.0 55.4#

