

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031822\
 Data File : VY007910.D
 Acq On : 18 Mar 2022 18:18
 Operator : SY/MD
 Sample : N1951-07
 Misc : 6.87g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 DB-13-(10-15)-3-12-22

Quant Time: Mar 19 01:38:21 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y031722S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 17 13:55:34 2022
 Response via : Initial Calibration

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

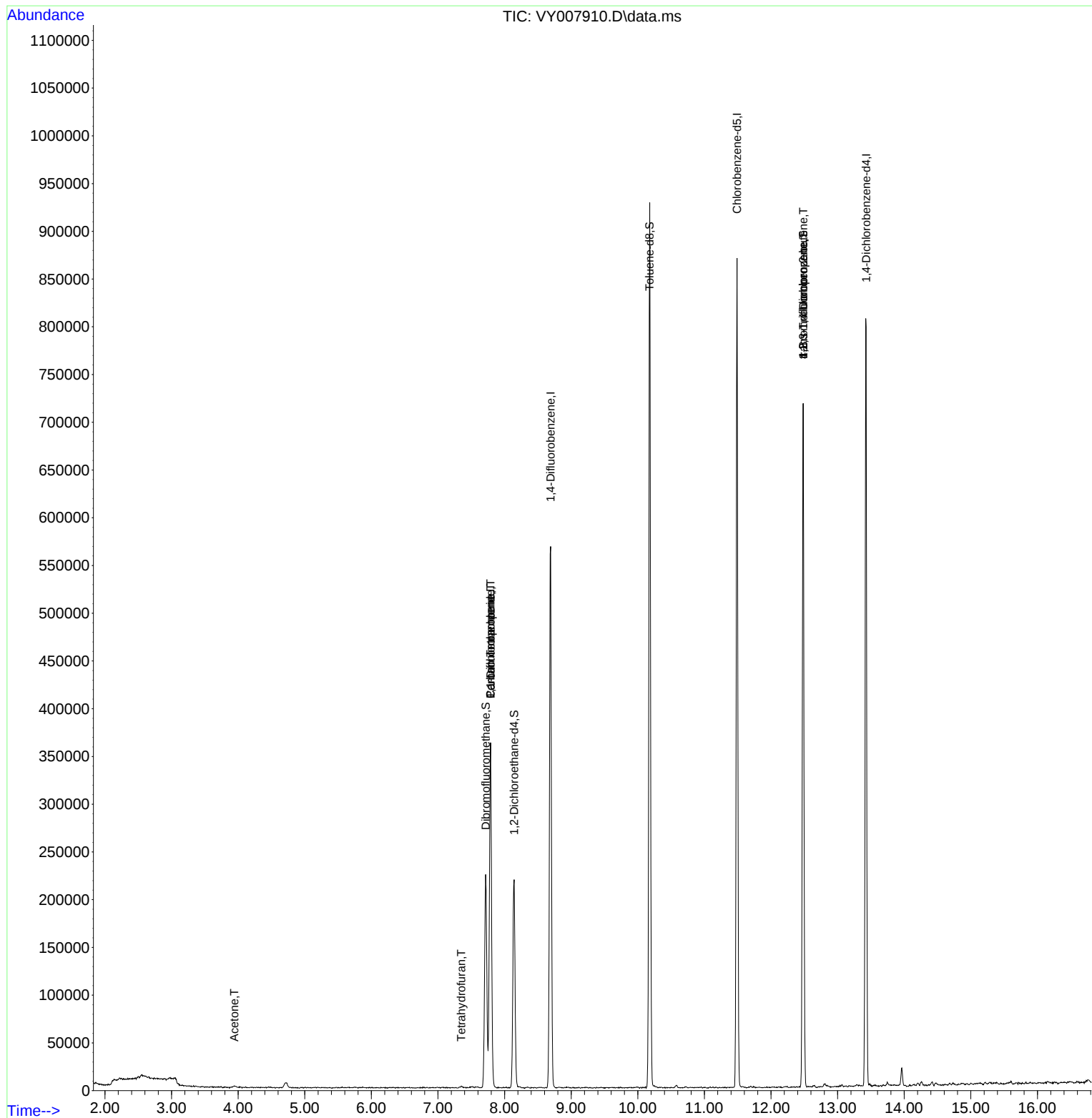
Internal Standards						
1) Pentafluorobenzene	7.789	168	269349	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	499141	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	457692	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	201493	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	168405	54.836	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.680%	
35) Dibromofluoromethane	7.716	113	157138	44.827	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 89.660%	
50) Toluene-d8	10.179	98	600942	57.679	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 115.360%	
62) 4-Bromofluorobenzene	12.483	95	214111	42.559	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 85.120%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	177	Below Cal	#	43
3) Chloromethane	2.113	50	854	Below Cal	#	85
4) Vinyl Chloride	2.247	62	78	Below Cal	#	43
5) Bromomethane	2.656	94	431	Below Cal	#	62
16) Acetone	3.942	43	2686	3.297	ug/l #	83
17) Carbon Disulfide	4.180	76	493	Below Cal	#	75
18) Methyl Acetate	4.460	43	722	Below Cal		95
20) Methylene Chloride	4.716	84	3946	Below Cal	#	81
29) Tetrahydrofuran	7.350	42	1344	1.607	ug/l	95
31) Cyclohexane	7.783	56	6348	Below Cal	#	4
36) 1,1-Dichloropropene	7.789	75	22126	4.256	ug/l #	52
38) Carbon Tetrachloride	7.789	117	28405	5.113	ug/l #	15
76) 1,2,3-Trichloropropane	12.483	75	109250	38.040	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	109250	79.900	ug/l #	8

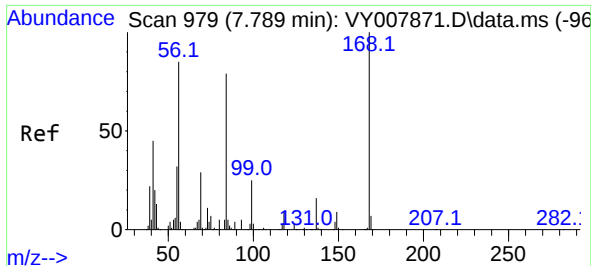
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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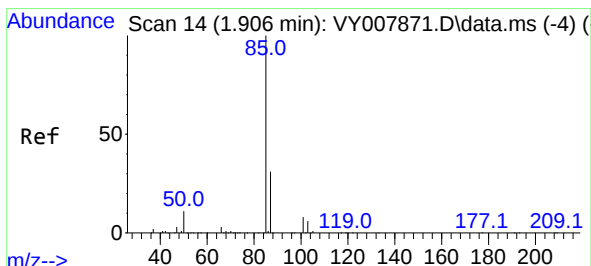
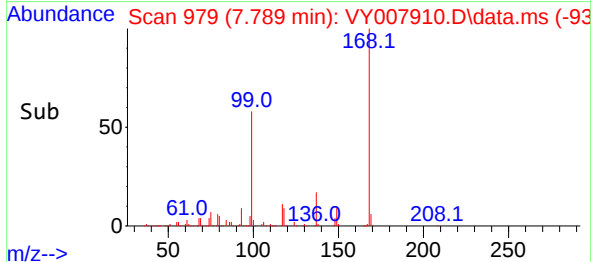
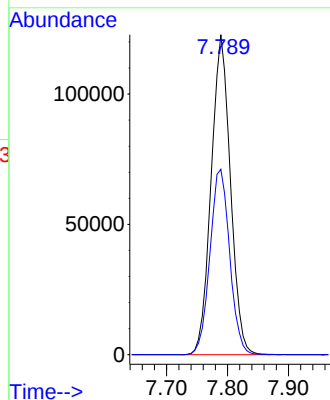
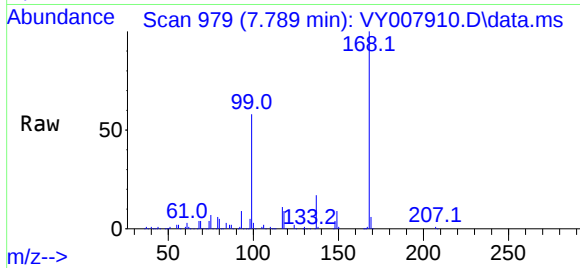




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY007910.D
Acq: 18 Mar 2022 18:18

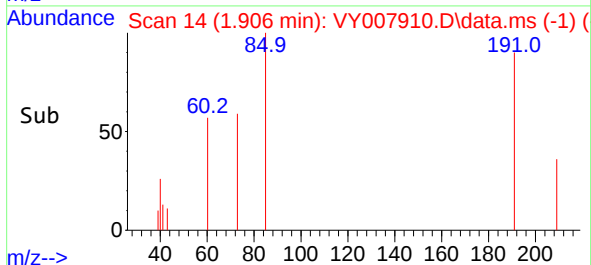
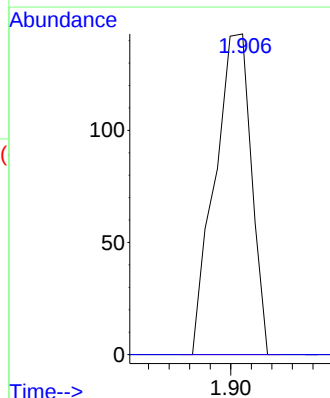
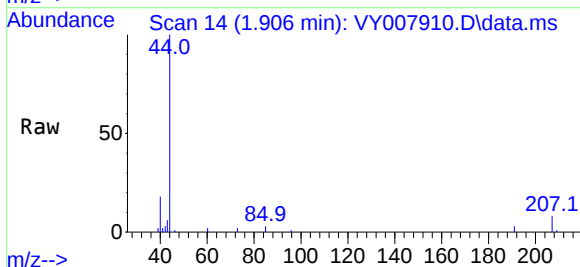
Instrument :
MSVOA_Y
ClientSampleId :
DB-13-(10-15)-3-12-22

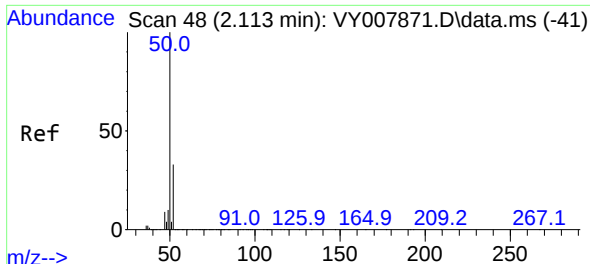
Tgt Ion:168 Resp: 269349
Ion Ratio Lower Upper
168 100
99 57.9 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY007910.D
Acq: 18 Mar 2022 18:18

Tgt Ion: 85 Resp: 177
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

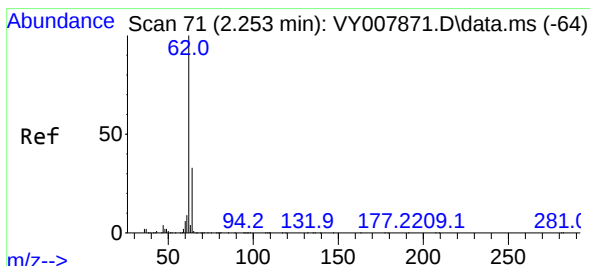
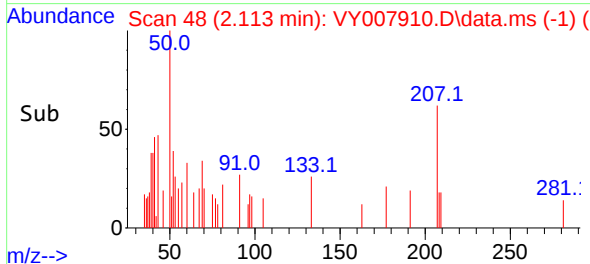
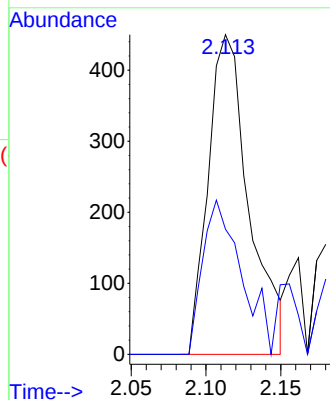
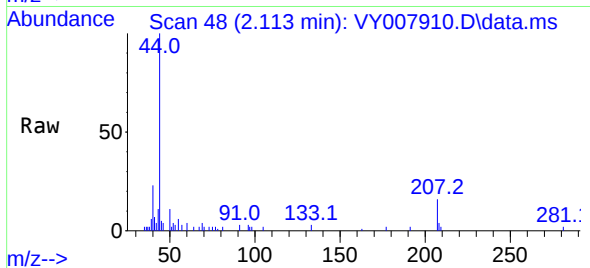




#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY007910.D
Acq: 18 Mar 2022 18:18

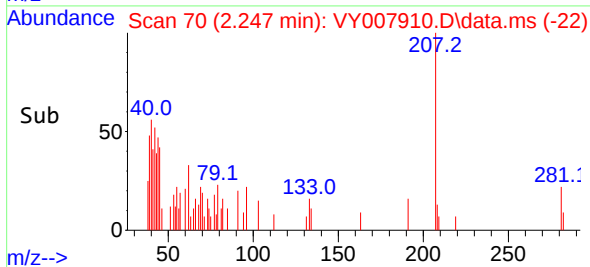
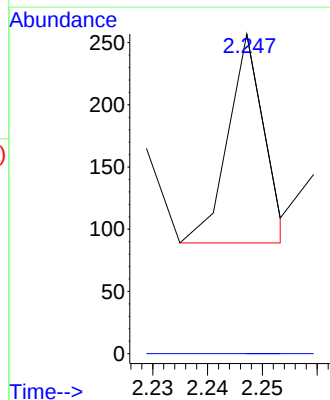
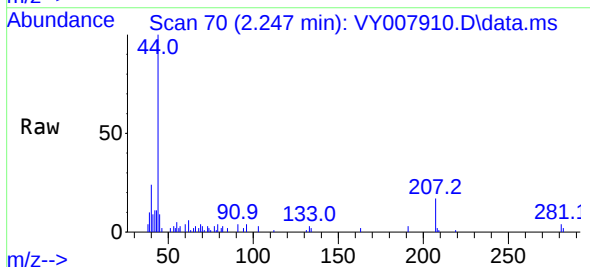
Instrument :
MSVOA_Y
ClientSampleId :
DB-13-(10-15)-3-12-22

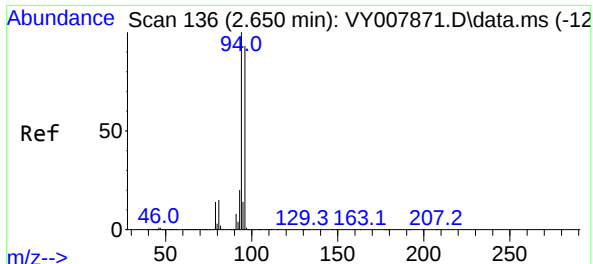
Tgt Ion: 50 Resp: 854
Ion Ratio Lower Upper
50 100
52 39.1 24.6 37.0#



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.247 min Scan# 70
Delta R.T. -0.006 min
Lab File: VY007910.D
Acq: 18 Mar 2022 18:18

Tgt Ion: 62 Resp: 78
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

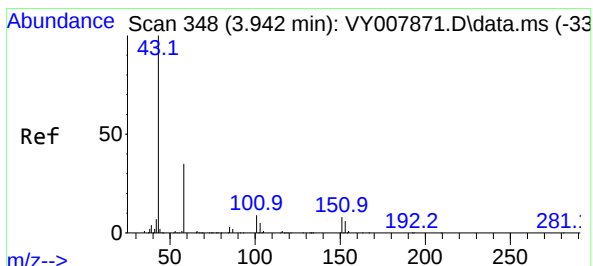
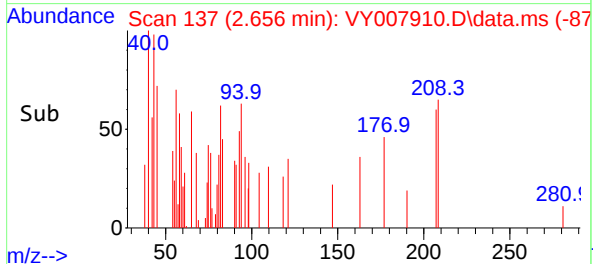
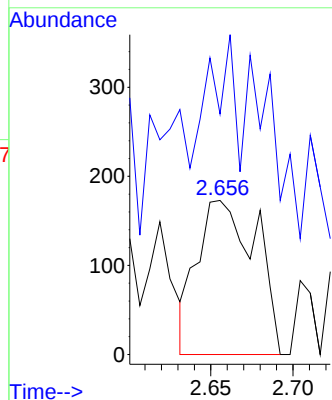
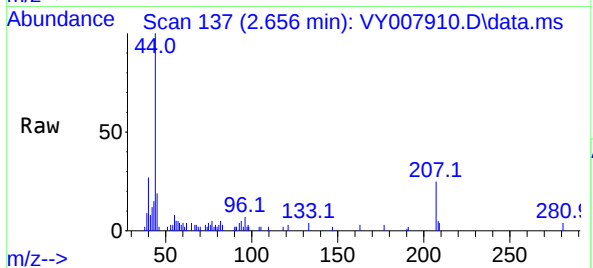




#5
Bromomethane
Concen: Below Cal
RT: 2.656 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY007910.D
Acq: 18 Mar 2022 18:18

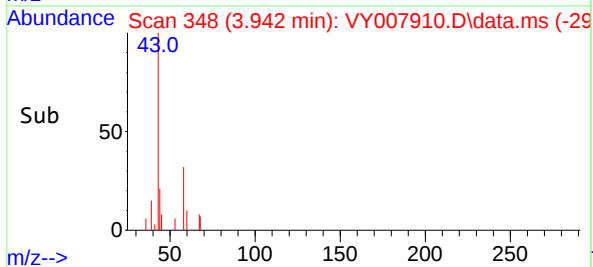
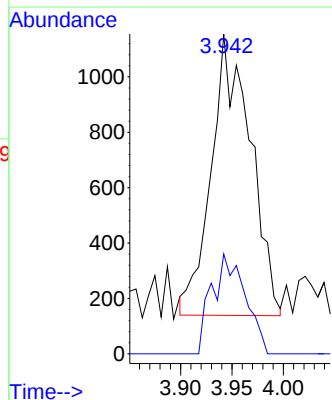
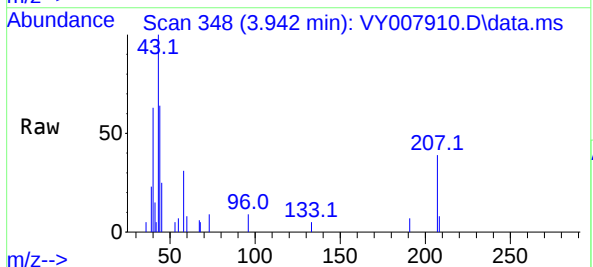
Instrument :
MSVOA_Y
ClientSampleId :
DB-13-(10-15)-3-12-22

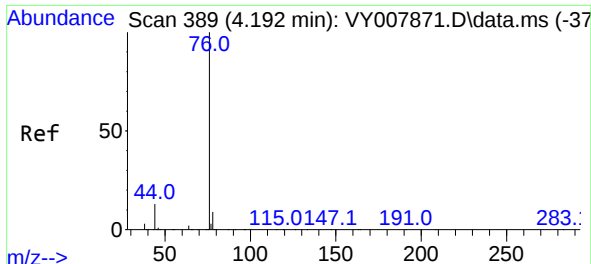
Tgt Ion: 94 Resp: 431
Ion Ratio Lower Upper
94 100
96 56.1 73.5 110.3#



#16
Acetone
Concen: 3.297 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.000 min
Lab File: VY007910.D
Acq: 18 Mar 2022 18:18

Tgt Ion: 43 Resp: 2686
Ion Ratio Lower Upper
43 100
58 36.4 22.0 33.0#

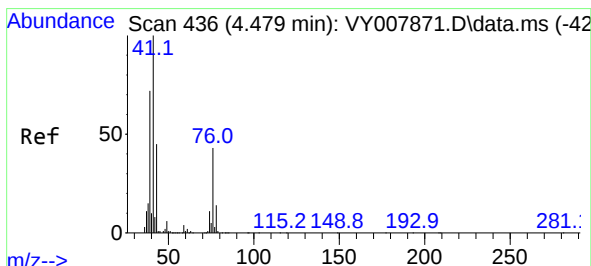
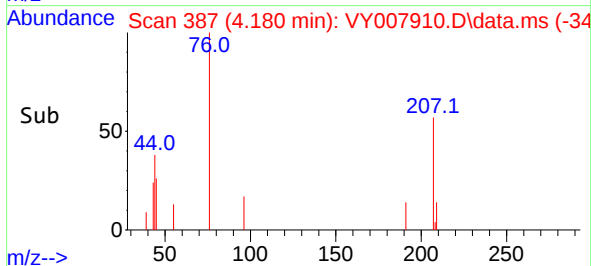
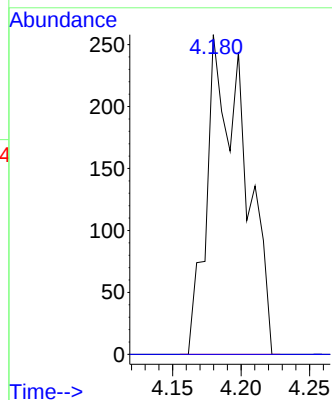
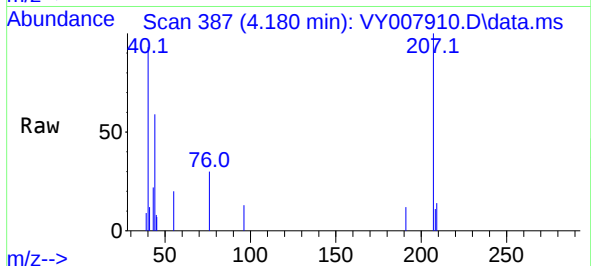




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.180 min Scan# 311
Delta R.T. -0.012 min
Lab File: VY007910.D
Acq: 18 Mar 2022 18:18

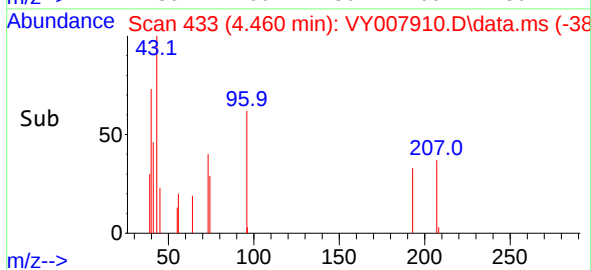
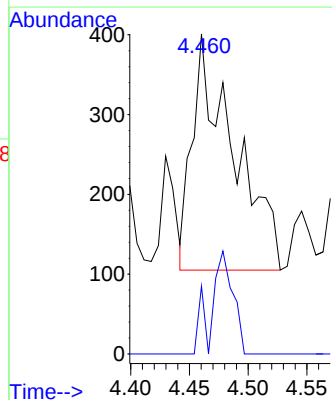
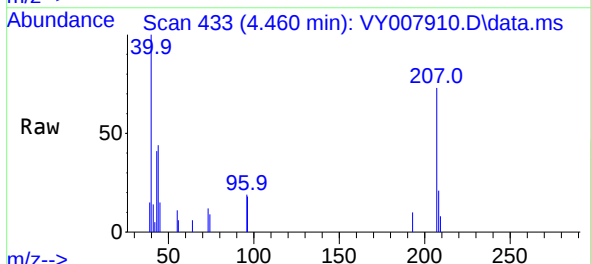
Instrument :
MSVOA_Y
ClientSampleId :
DB-13-(10-15)-3-12-22

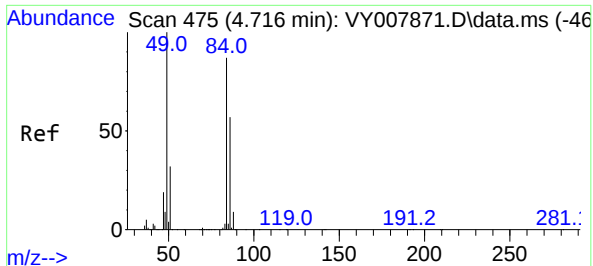
Tgt Ion: 76 Resp: 493
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.460 min Scan# 433
Delta R.T. -0.013 min
Lab File: VY007910.D
Acq: 18 Mar 2022 18:18

Tgt Ion: 43 Resp: 722
Ion Ratio Lower Upper
43 100
74 23.1 16.6 24.8



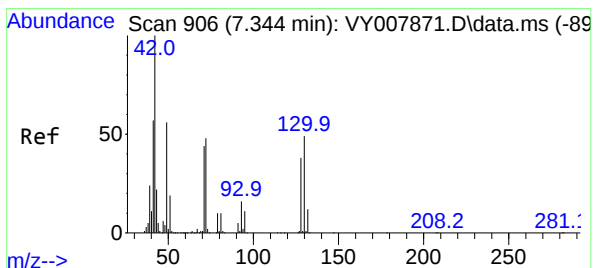
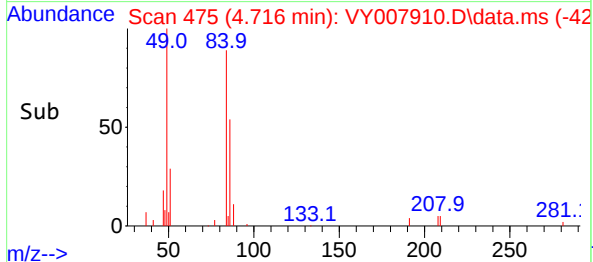
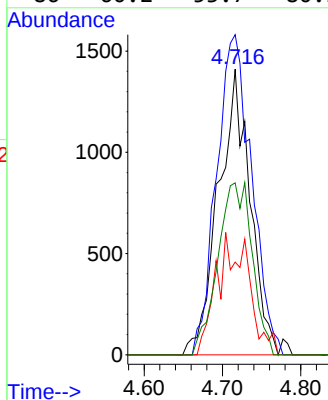
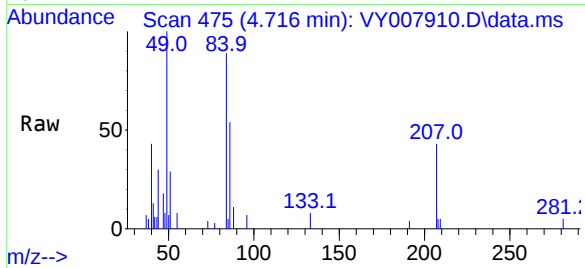


#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY007910.D
Acq: 18 Mar 2022 18:18

Instrument :
MSVOA_Y
ClientSampleId :
DB-13-(10-15)-3-12-22

Tgt Ion: 84 Resp: 3946

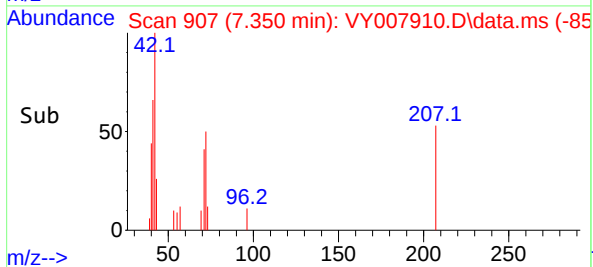
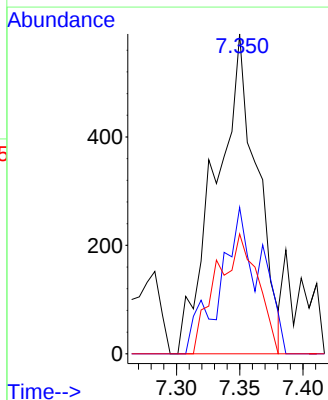
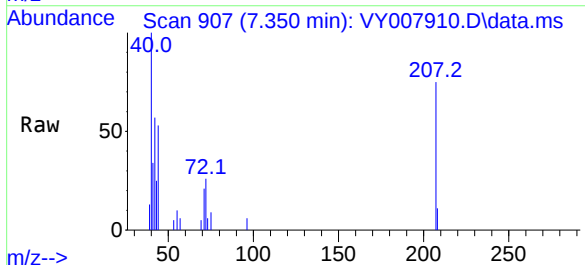
Ion	Ratio	Lower	Upper
84	100		
49	112.1	114.4	171.6#
51	32.5	35.3	52.9#
86	60.2	53.7	80.5

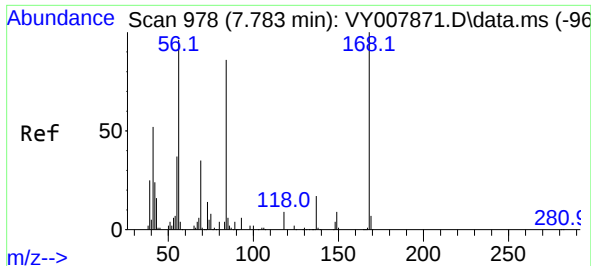


#29
Tetrahydrofuran
Concen: 1.607 ug/l
RT: 7.350 min Scan# 907
Delta R.T. 0.006 min
Lab File: VY007910.D
Acq: 18 Mar 2022 18:18

Tgt Ion: 42 Resp: 1344

Ion	Ratio	Lower	Upper
42	100		
72	33.4	30.3	45.5
71	37.1	29.0	43.4

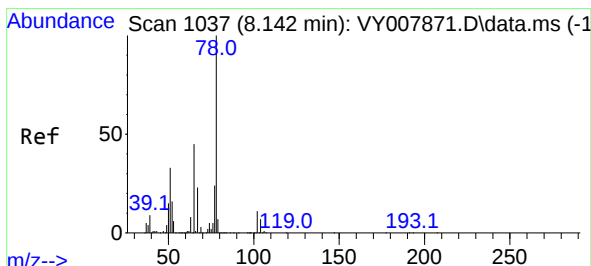
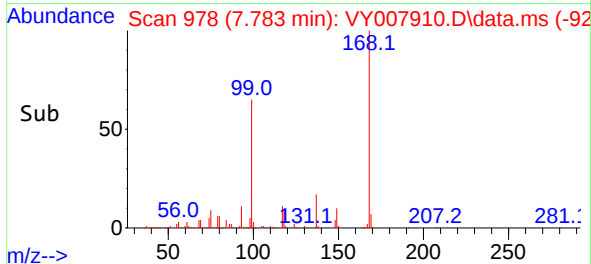
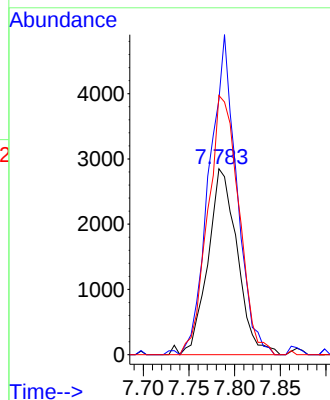
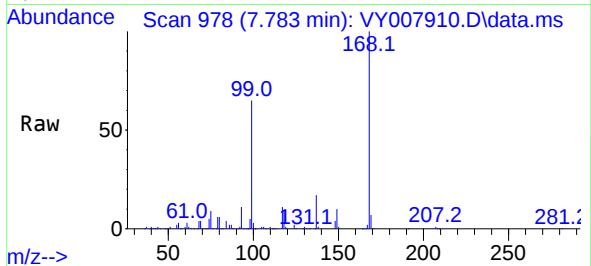




#31
Cyclohexane
Concen: Below Cal
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY007910.D
Acq: 18 Mar 2022 18:18

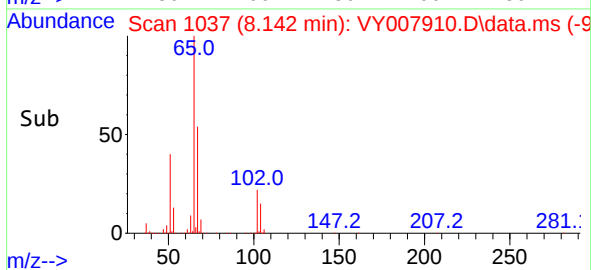
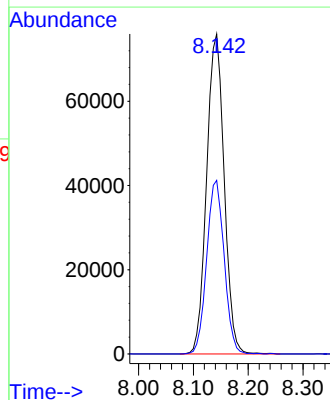
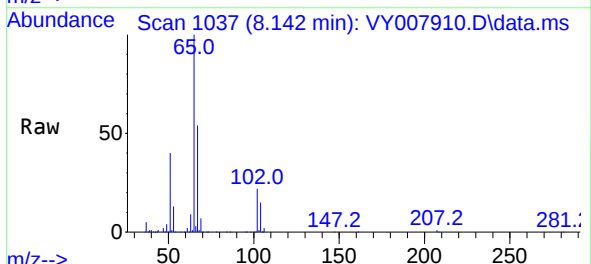
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MSVOA_Y
ClientSampleId :
DB-13-(10-15)-3-12-22

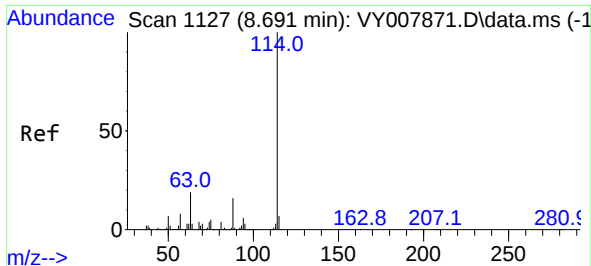
Tgt Ion: 56 Resp: 6348
Ion Ratio Lower Upper
56 100
69 137.0 26.7 40.1#
84 139.4 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 54.836 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY007910.D
Acq: 18 Mar 2022 18:18

Tgt Ion: 65 Resp: 168405
Ion Ratio Lower Upper
65 100
67 54.1 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VY007910.D

Acq: 18 Mar 2022 18:18

Instrument :

MSVOA_Y

ClientSampleId :

DB-13-(10-15)-3-12-22

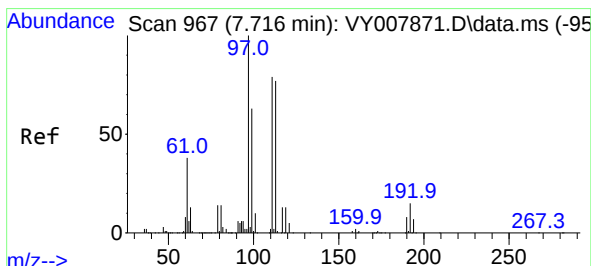
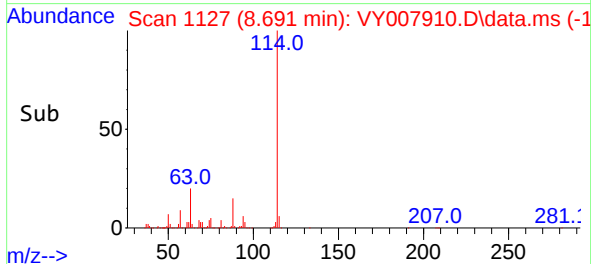
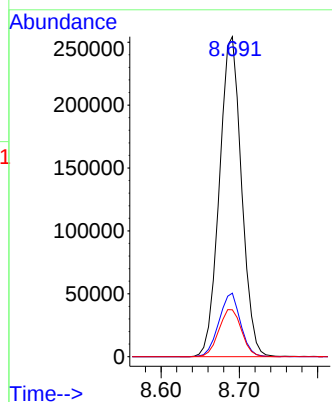
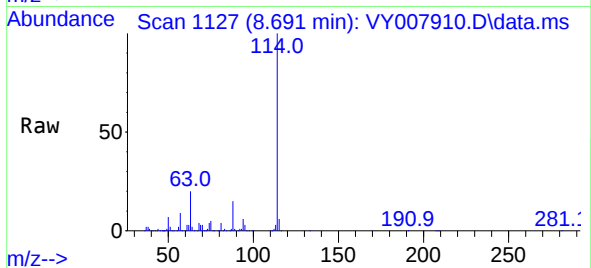
Tgt Ion:114 Resp: 499141

Ion Ratio Lower Upper

114 100

63 19.9 0.0 43.2

88 14.7 0.0 31.8



#35

Dibromofluoromethane

Concen: 44.827 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY007910.D

Acq: 18 Mar 2022 18:18

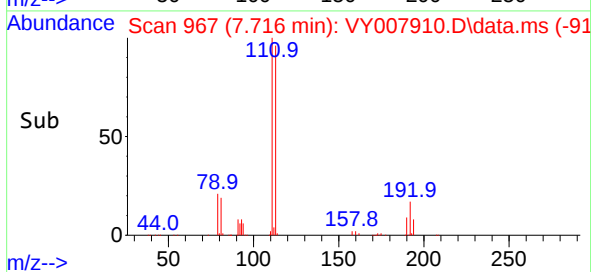
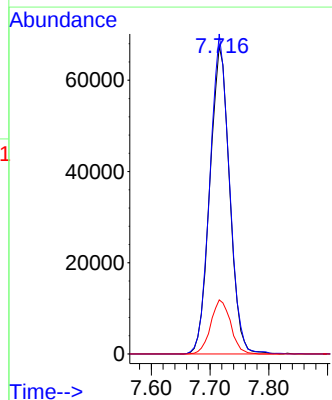
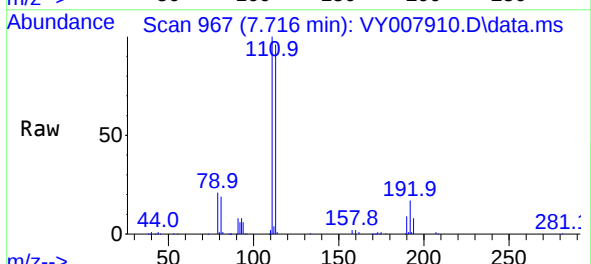
Tgt Ion:113 Resp: 157138

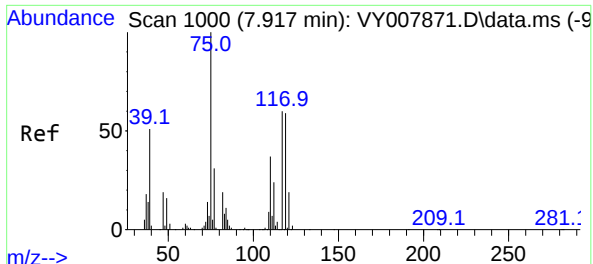
Ion Ratio Lower Upper

113 100

111 102.5 82.6 124.0

192 17.7 17.6 26.4

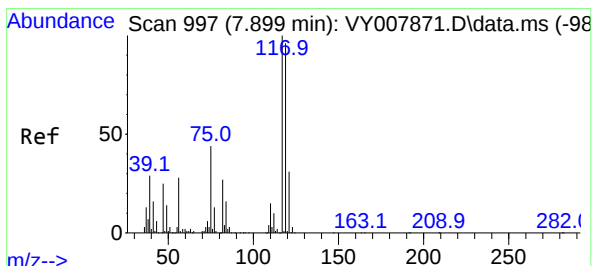
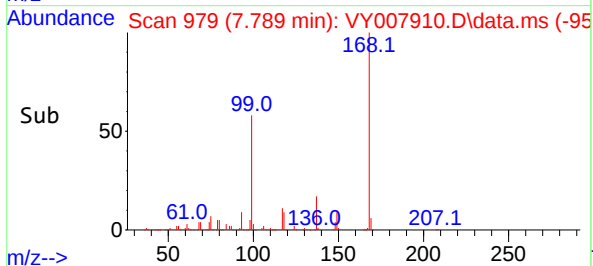
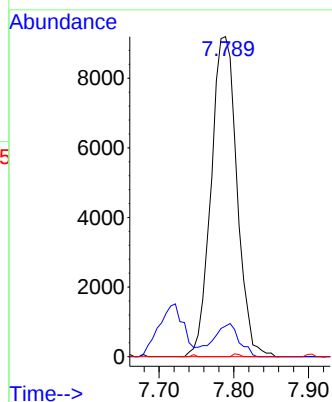
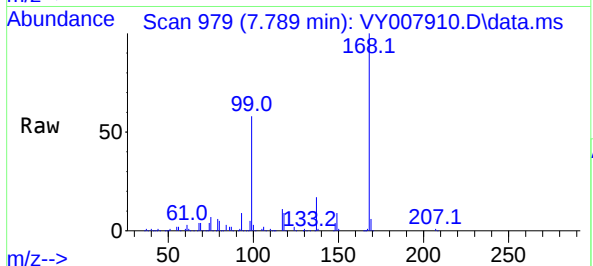




#36
1,1-Dichloropropene
Concen: 4.256 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY007910.D
Acq: 18 Mar 2022 18:18

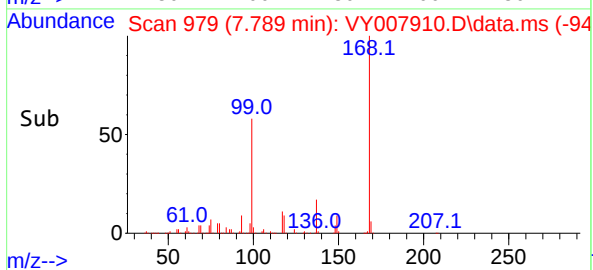
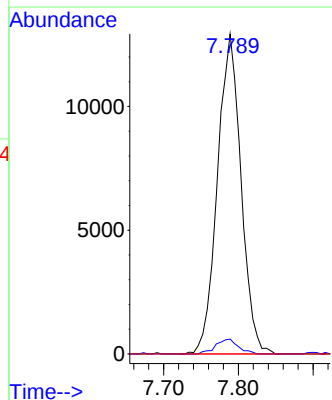
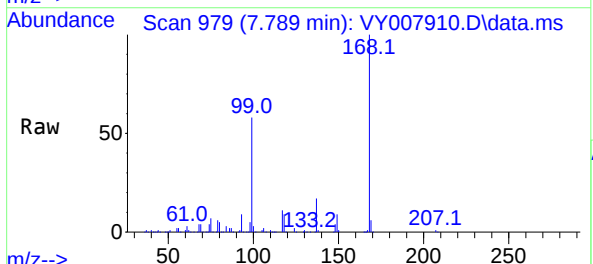
Instrument :
MSVOA_Y
ClientSampleId :
DB-13-(10-15)-3-12-22

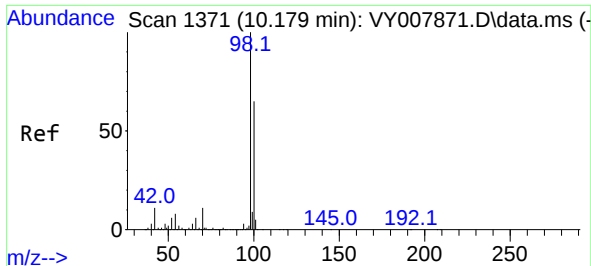
Tgt Ion: 75 Resp: 22126
Ion Ratio Lower Upper
75 100
110 10.2 17.1 51.2#
77 0.2 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.113 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.110 min
Lab File: VY007910.D
Acq: 18 Mar 2022 18:18

Tgt Ion: 117 Resp: 28405
Ion Ratio Lower Upper
117 100
119 4.7 77.9 116.9#
121 0.0 24.8 37.2#

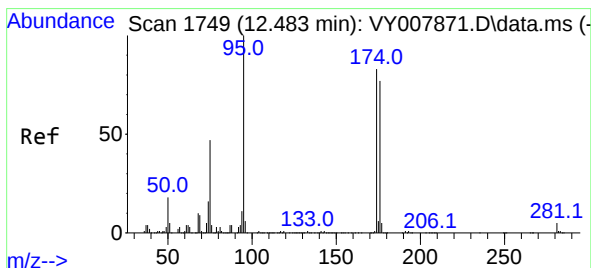
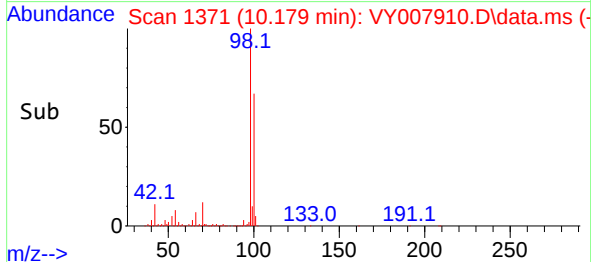
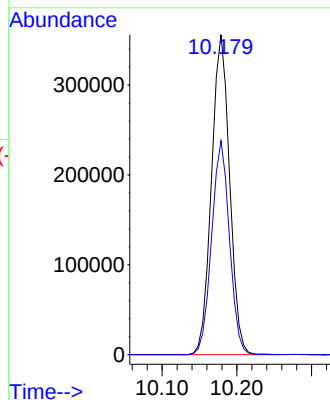
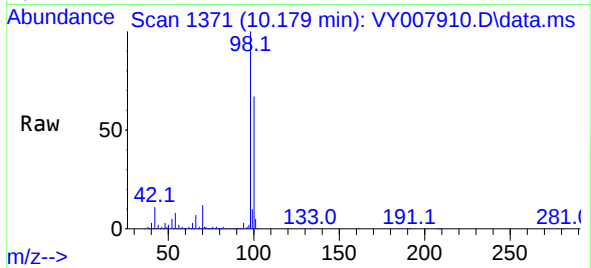




#50
Toluene-d8
Concen: 57.679 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY007910.D
Acq: 18 Mar 2022 18:18

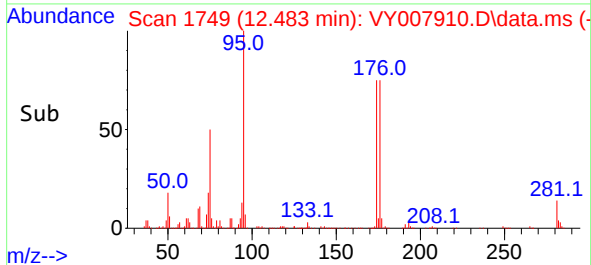
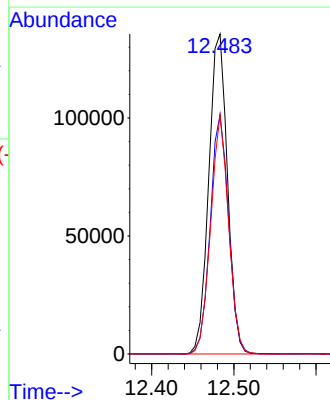
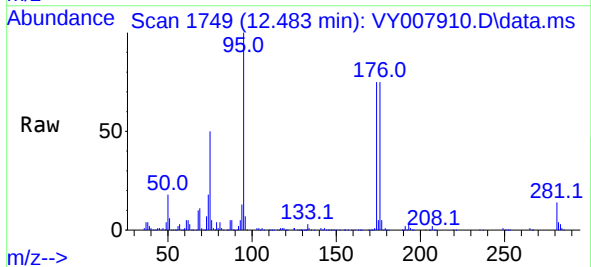
Instrument :
MSVOA_Y
ClientSampleId :
DB-13-(10-15)-3-12-22

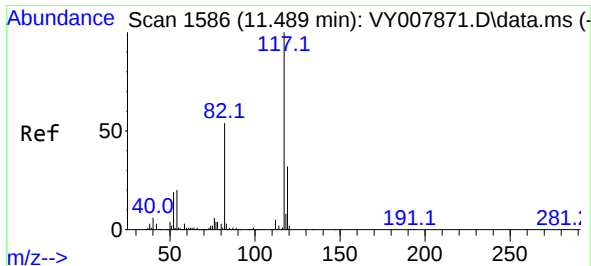
Tgt Ion: 98 Resp: 600942
Ion Ratio Lower Upper
98 100
100 65.9 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 42.559 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY007910.D
Acq: 18 Mar 2022 18:18

Tgt Ion: 95 Resp: 214111
Ion Ratio Lower Upper
95 100
174 73.5 0.0 177.0
176 71.4 0.0 175.8

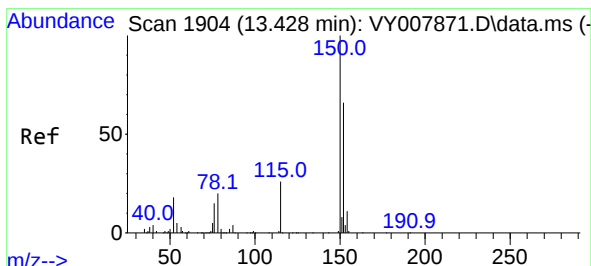
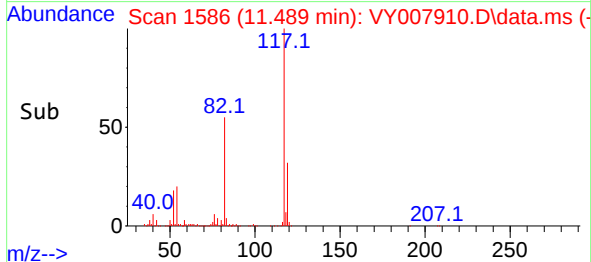
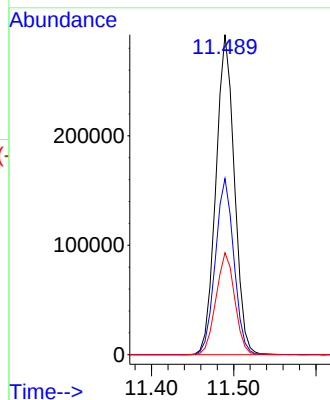
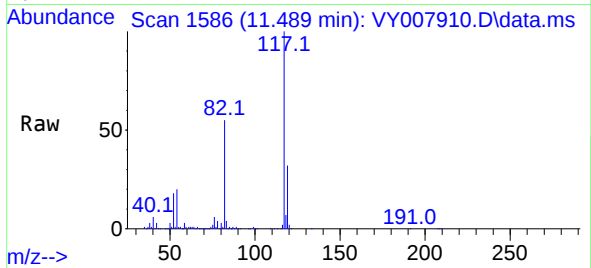




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY007910.D
Acq: 18 Mar 2022 18:18

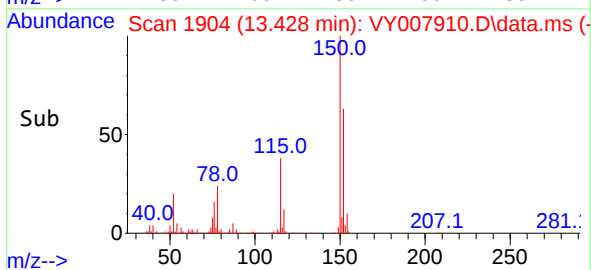
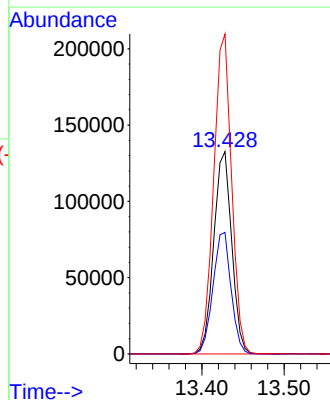
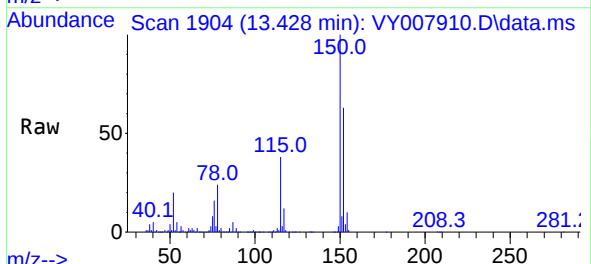
Instrument :
MSVOA_Y
ClientSampleId :
DB-13-(10-15)-3-12-22

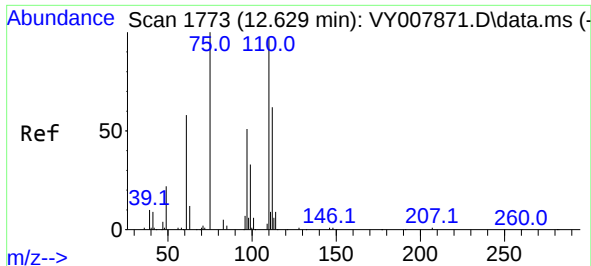
Tgt Ion:117	Resp: 457692		
Ion Ratio	Lower	Upper	
117 100			
82 55.1	43.0	64.4	
119 31.8	25.4	38.0	



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY007910.D
Acq: 18 Mar 2022 18:18

Tgt Ion:152	Resp: 201493		
Ion Ratio	Lower	Upper	
152	100		
115	60.7	28.2	84.7
150	157.3	0.0	347.6

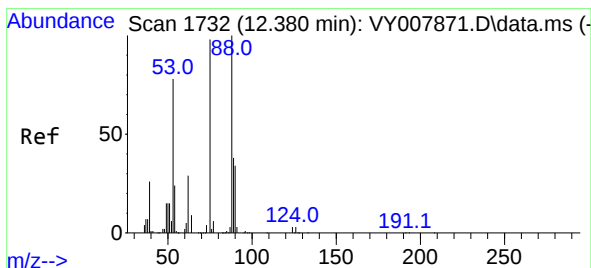
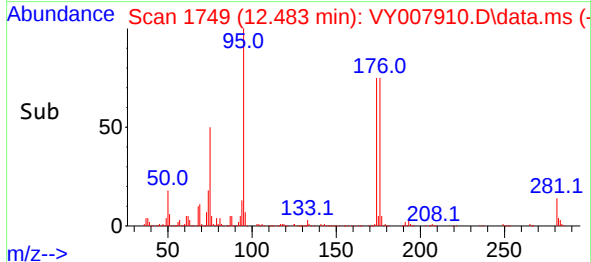
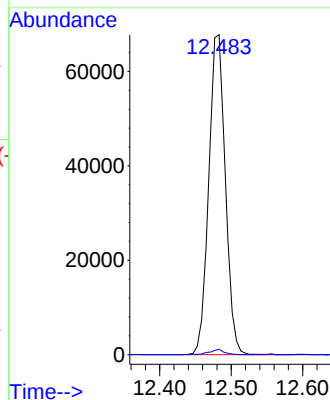
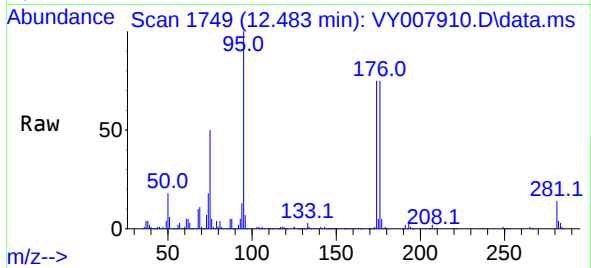




#76
1,2,3-Trichloropropane
Concen: 38.040 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY007910.D
Acq: 18 Mar 2022 18:18

Instrument :
MSVOA_Y
ClientSampleId :
DB-13-(10-15)-3-12-22

Tgt Ion: 75 Resp: 109250
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 79.900 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY007910.D
Acq: 18 Mar 2022 18:18

Tgt Ion: 75 Resp: 109250
Ion Ratio Lower Upper
75 100
53 0.1 85.3 127.9#
89 0.7 37.0 55.4#

