

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031822\
 Data File : VY007914.D
 Acq On : 18 Mar 2022 19:51
 Operator : SY/MD
 Sample : N1951-04
 Misc : 7.89g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 DB-15-(20-25)-3-12-22

Quant Time: Mar 19 01:39:12 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)

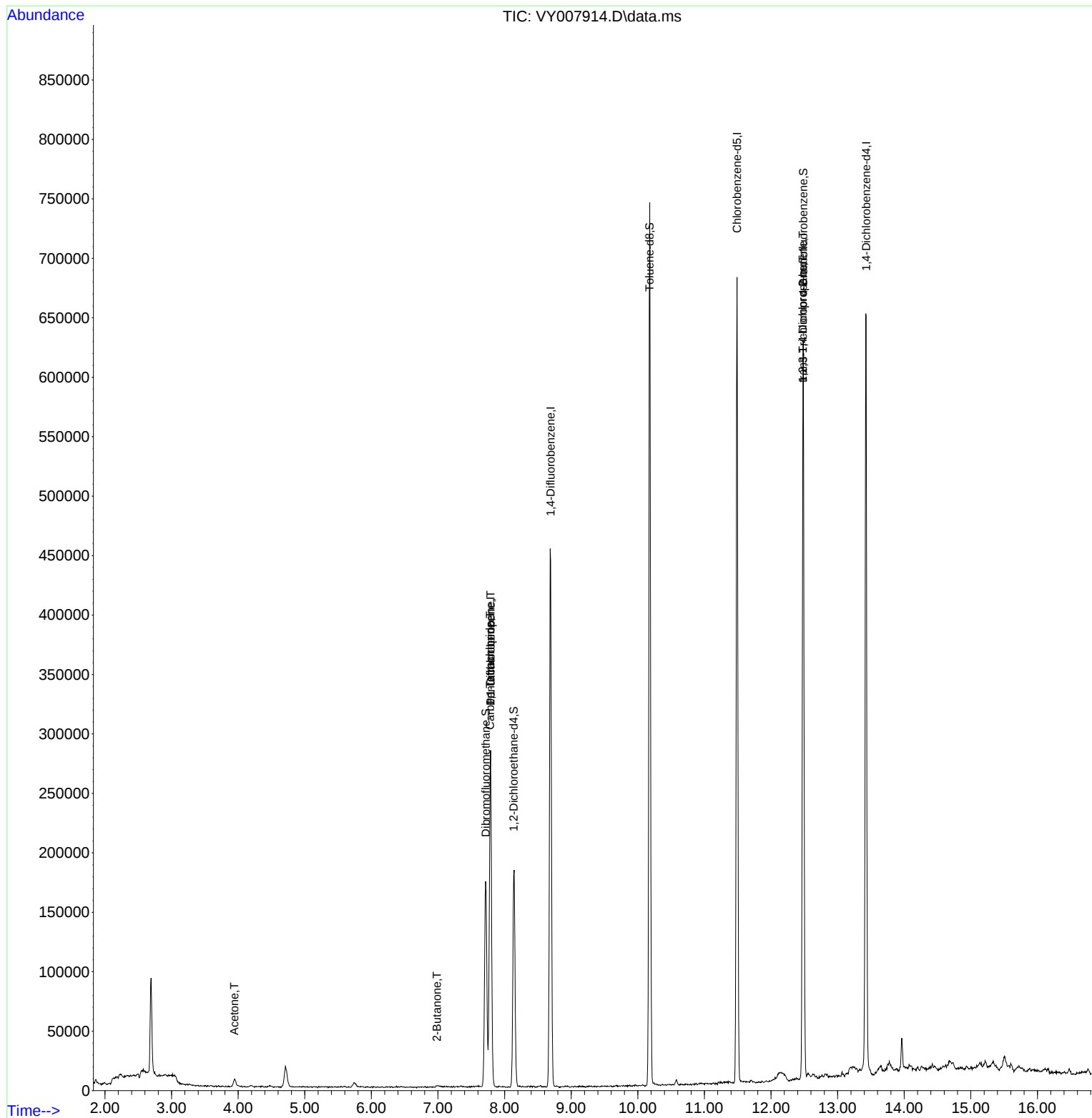
Internal Standards						
1) Pentafluorobenzene	7.789	168	213339	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	397693	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	368128	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	156806	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	139570	57.378	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 114.760%			
35) Dibromofluoromethane	7.716	113	126585	45.323	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 90.640%			
50) Toluene-d8	10.179	98	478280	57.609	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 115.220%			
62) 4-Bromofluorobenzene	12.483	95	173487	43.280	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 86.560%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.894	85	140	Below Cal	#	43
3) Chloromethane	2.113	50	863	Below Cal	#	73
4) Vinyl Chloride	2.247	62	129	Below Cal	#	43
5) Bromomethane	2.656	94	355	Below Cal	#	73
16) Acetone	3.942	43	10767	16.685	ug/l	92
17) Carbon Disulfide	4.192	76	887	Below Cal	#	75
18) Methyl Acetate	4.472	43	1188	Below Cal		96
25) 2-Butanone	6.984	43	1636	1.583	ug/l #	83
31) Cyclohexane	7.783	56	4971	Below Cal	#	18
36) 1,1-Dichloropropene	7.789	75	17520	4.229	ug/l #	50
38) Carbon Tetrachloride	7.783	117	21698	4.902	ug/l #	16
39) Methylcyclohexane	9.258	83	51	Below Cal	#	16
76) 1,2,3-Trichloropropane	12.477	75	89034	39.836	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	89034	83.672	ug/l #	8

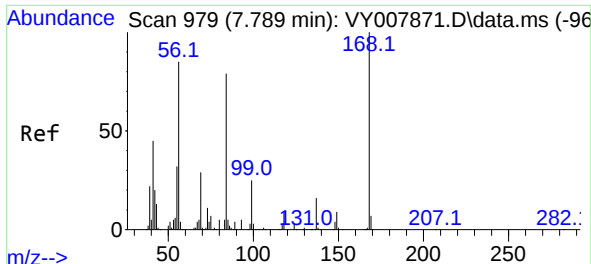
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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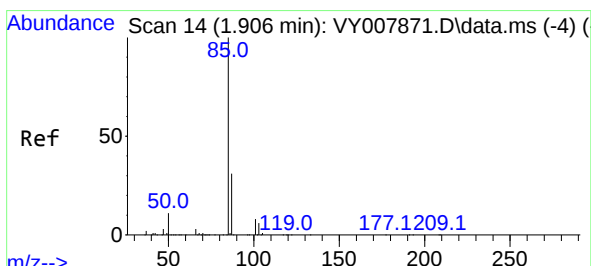
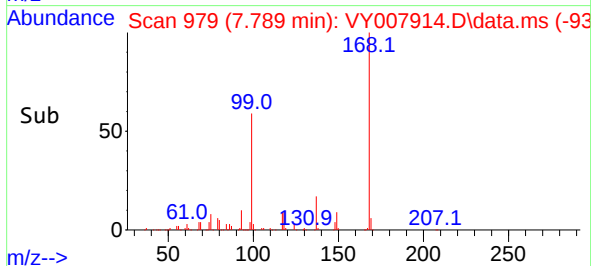
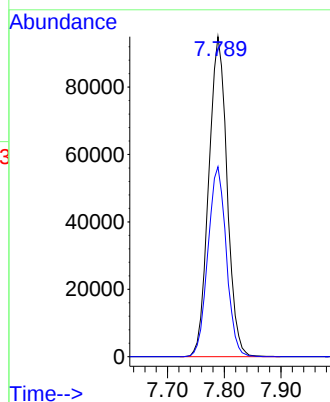
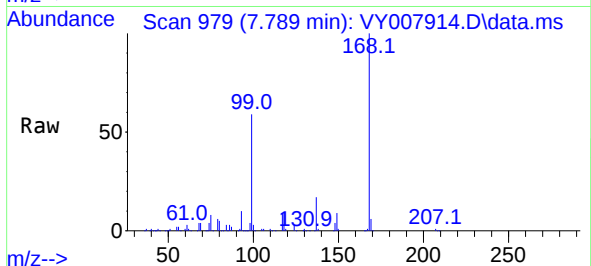




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY007914.D
Acq: 18 Mar 2022 19:51

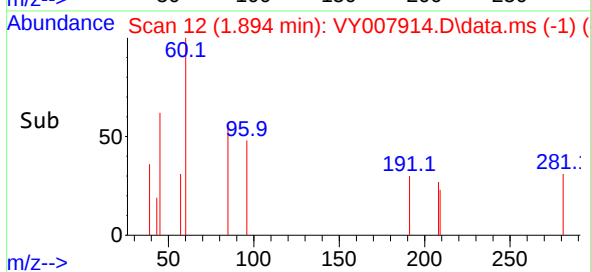
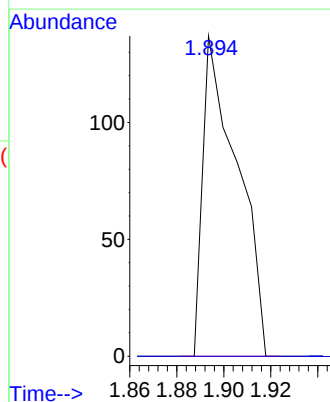
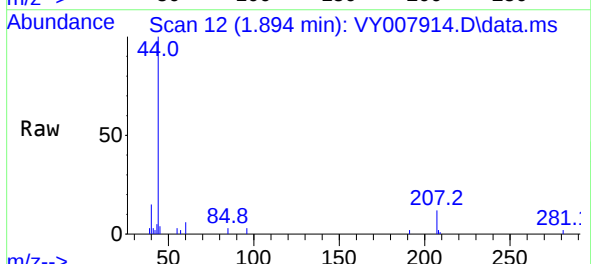
Instrument :
MSVOA_Y
ClientSampleId :
DB-15-(20-25)-3-12-22

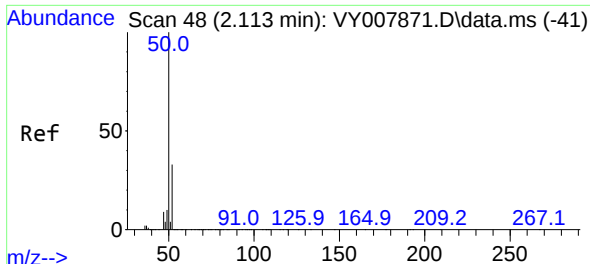
Tgt Ion:168 Resp: 213339
Ion Ratio Lower Upper
168 100
99 59.4 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.894 min Scan# 12
Delta R.T. -0.012 min
Lab File: VY007914.D
Acq: 18 Mar 2022 19:51

Tgt Ion: 85 Resp: 140
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

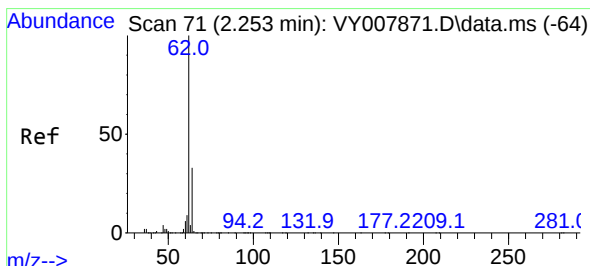
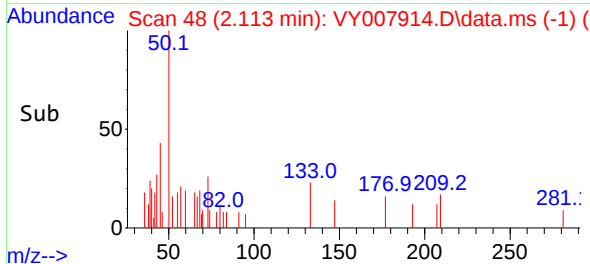
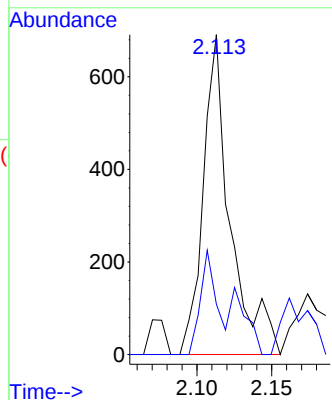
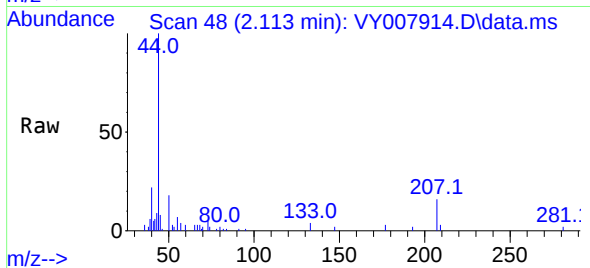




#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY007914.D
Acq: 18 Mar 2022 19:51

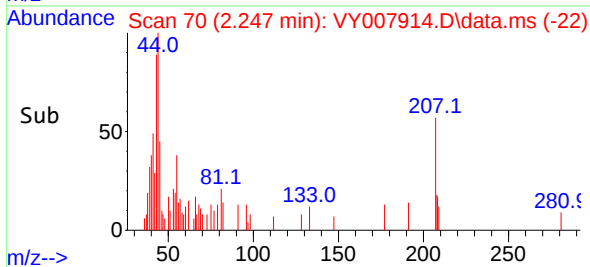
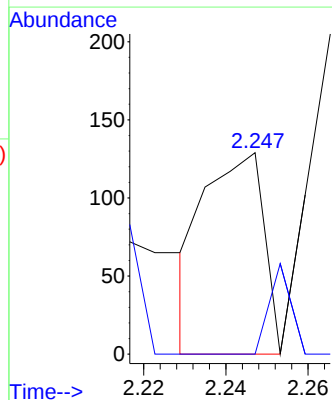
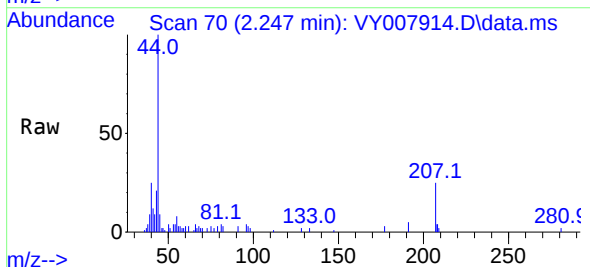
Instrument :
MSVOA_Y
ClientSampleId :
DB-15-(20-25)-3-12-22

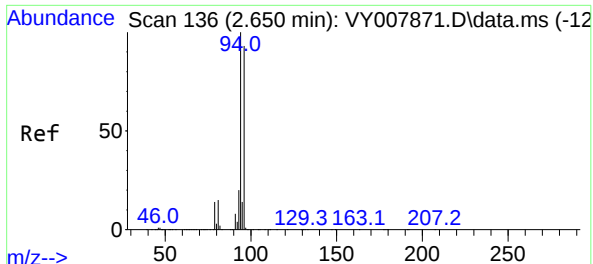
Tgt Ion: 50 Resp: 863
Ion Ratio Lower Upper
50 100
52 15.8 24.6 37.0#



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.247 min Scan# 70
Delta R.T. -0.006 min
Lab File: VY007914.D
Acq: 18 Mar 2022 19:51

Tgt Ion: 62 Resp: 129
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

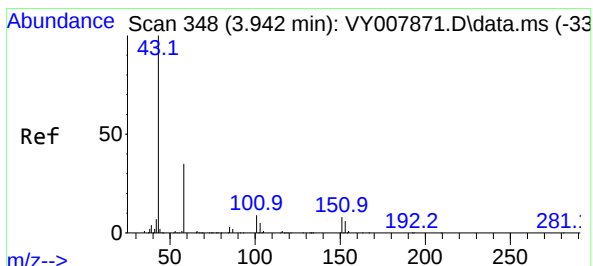
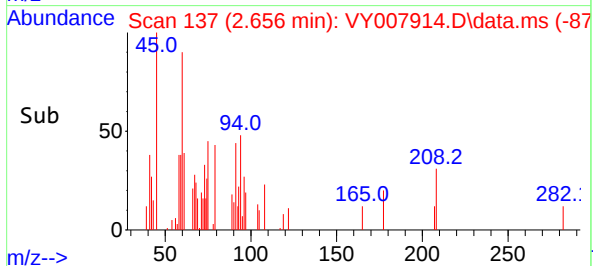
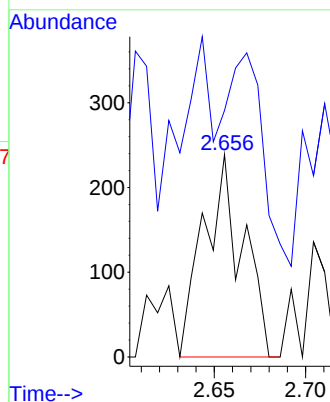
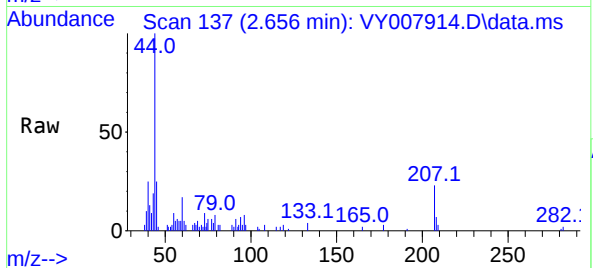




#5
Bromomethane
Concen: Below Cal
RT: 2.656 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY007914.D
Acq: 18 Mar 2022 19:51

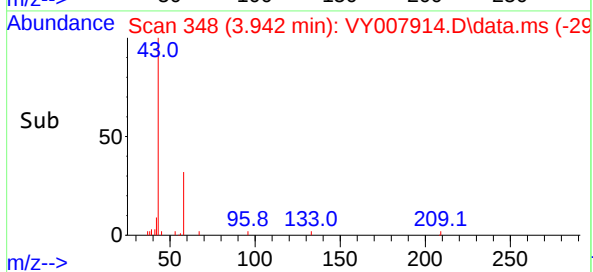
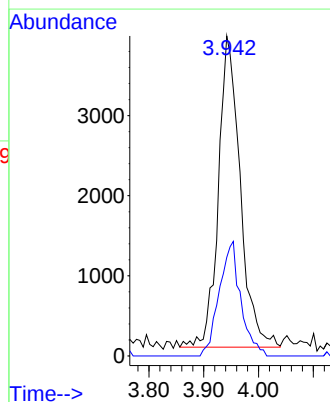
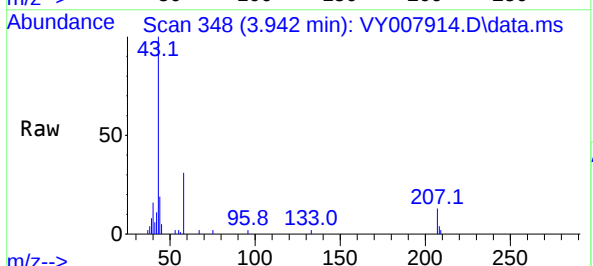
Instrument :
MSVOA_Y
ClientSampleId :
DB-15-(20-25)-3-12-22

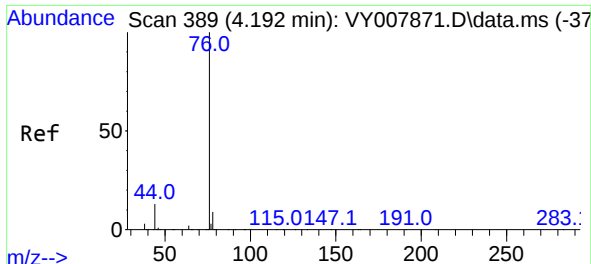
Tgt Ion: 94 Resp: 355
Ion Ratio Lower Upper
94 100
96 66.1 73.5 110.3#



#16
Acetone
Concen: 16.685 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.000 min
Lab File: VY007914.D
Acq: 18 Mar 2022 19:51

Tgt Ion: 43 Resp: 10767
Ion Ratio Lower Upper
43 100
58 31.7 22.0 33.0

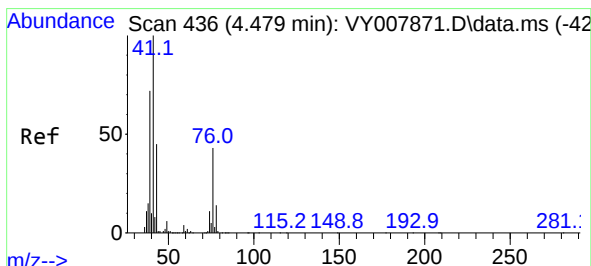
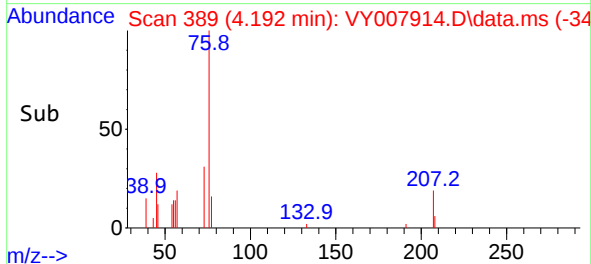
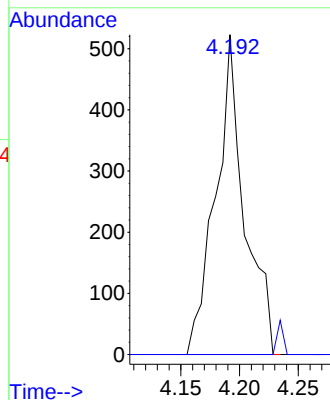
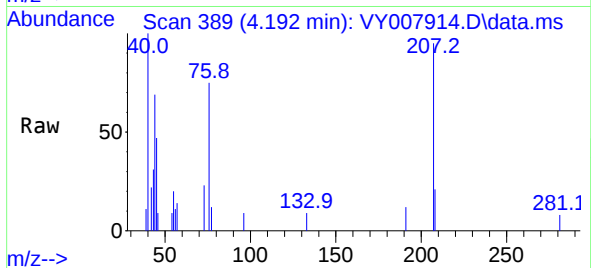




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.192 min Scan# 389
Delta R.T. -0.000 min
Lab File: VY007914.D
Acq: 18 Mar 2022 19:51

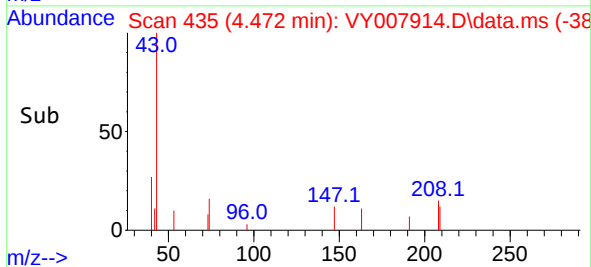
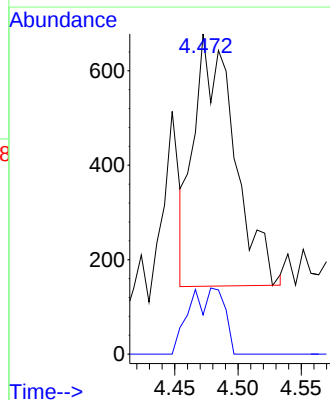
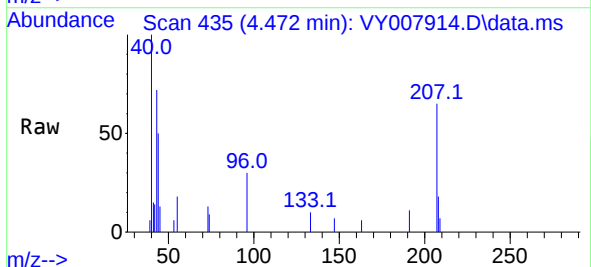
Instrument :
MSVOA_Y
ClientSampleId :
DB-15-(20-25)-3-12-22

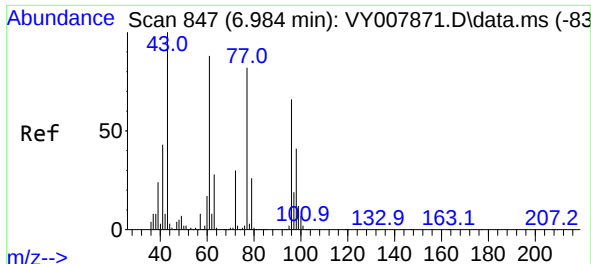
Tgt Ion: 76 Resp: 887
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.472 min Scan# 435
Delta R.T. -0.001 min
Lab File: VY007914.D
Acq: 18 Mar 2022 19:51

Tgt Ion: 43 Resp: 1188
Ion Ratio Lower Upper
43 100
74 22.5 16.6 24.8

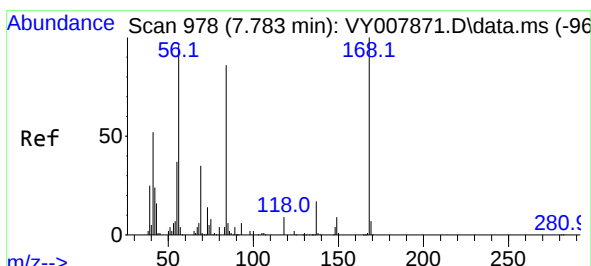
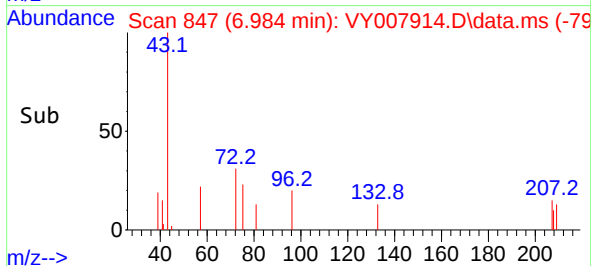
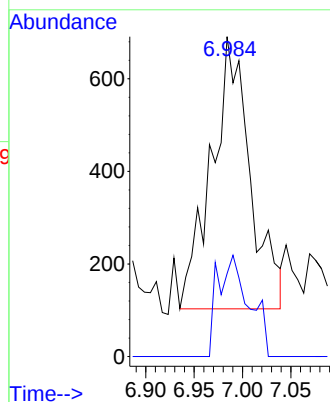
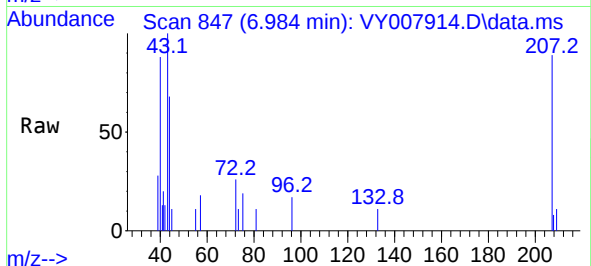




#25
2-Butanone
Concen: 1.583 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.000 min
Lab File: VY007914.D
Acq: 18 Mar 2022 19:51

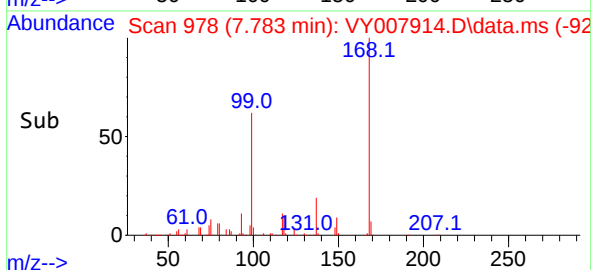
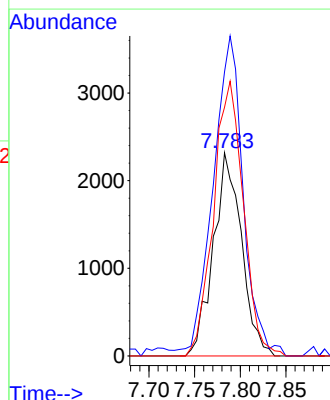
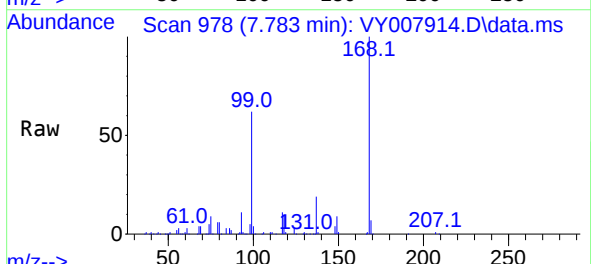
Instrument :
MSVOA_Y
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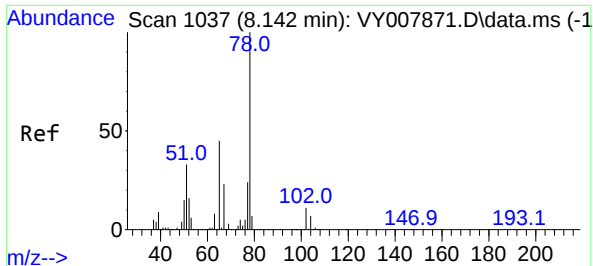
Tgt Ion: 43 Resp: 1636
Ion Ratio Lower Upper
43 100
72 30.4 17.7 26.5#



#31
Cyclohexane
Concen: Below Cal
RT: 7.783 min Scan# 978
Delta R.T. -0.000 min
Lab File: VY007914.D
Acq: 18 Mar 2022 19:51

Tgt Ion: 56 Resp: 4971
Ion Ratio Lower Upper
56 100
69 136.6 26.7 40.1#
84 122.4 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 57.378 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.000 min

Lab File: VY007914.D

Acq: 18 Mar 2022 19:51

Instrument :

MSVOA_Y

ClientSampleId :

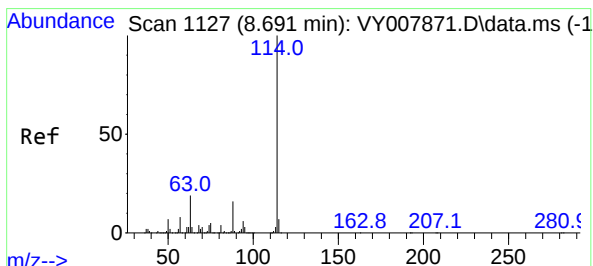
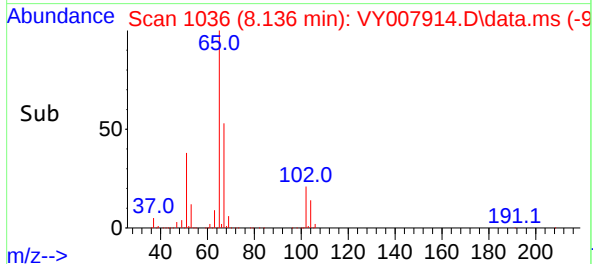
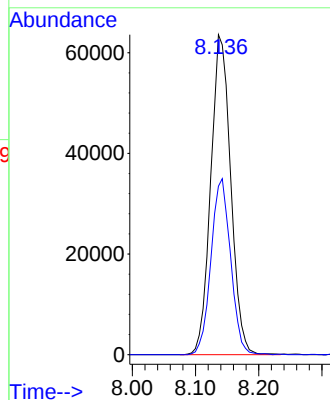
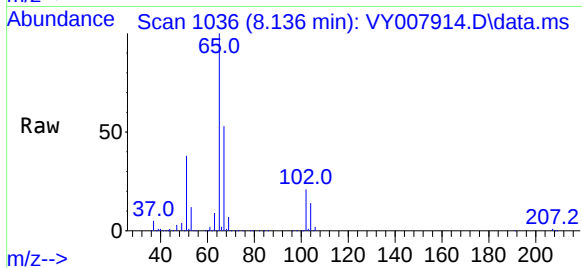
DB-15-(20-25)-3-12-22

Tgt Ion: 65 Resp: 139570

Ion Ratio Lower Upper

65 100

67 53.9 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: VY007914.D

Acq: 18 Mar 2022 19:51

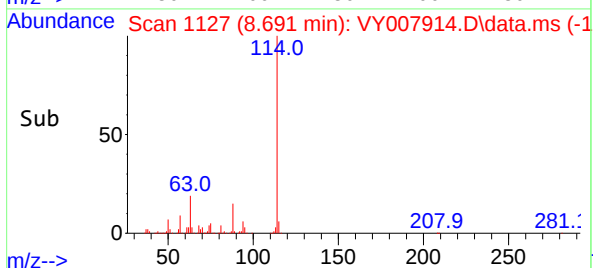
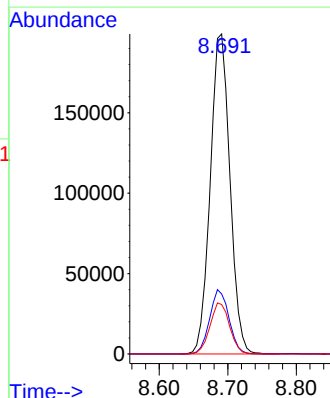
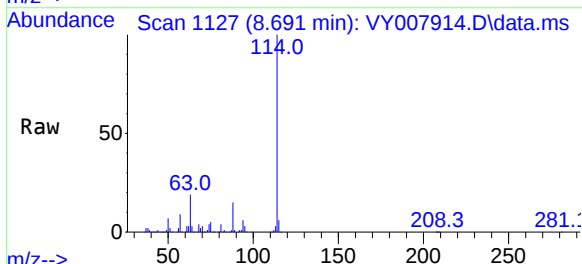
Tgt Ion: 114 Resp: 397693

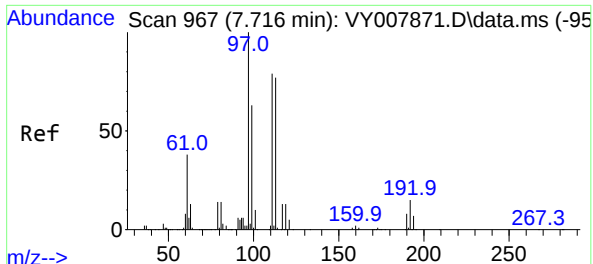
Ion Ratio Lower Upper

114 100

63 18.8 0.0 43.2

88 15.5 0.0 31.8

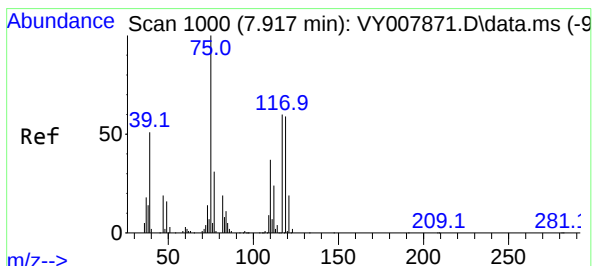
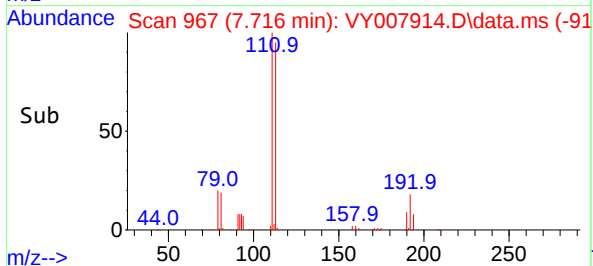
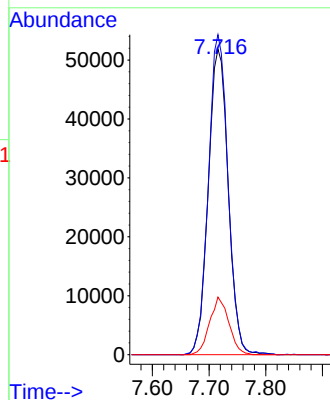
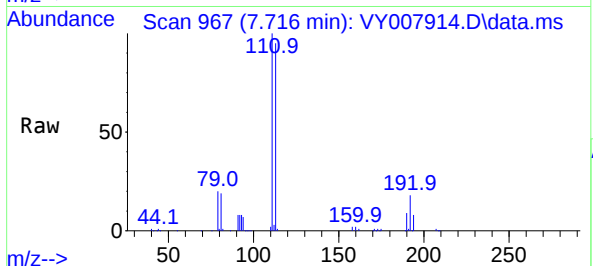




#35
Dibromofluoromethane
Concen: 45.323 ug/l
RT: 7.716 min Scan# 90
Delta R.T. -0.000 min
Lab File: VY007914.D
Acq: 18 Mar 2022 19:51

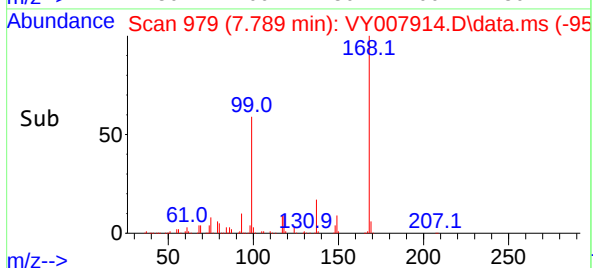
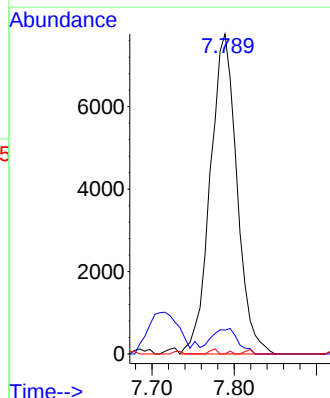
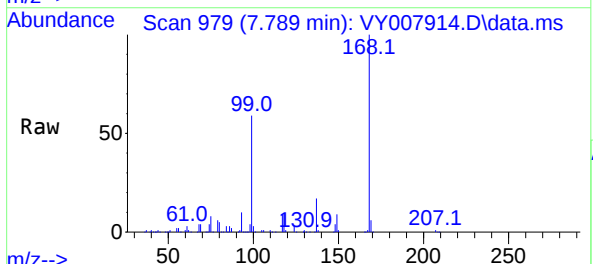
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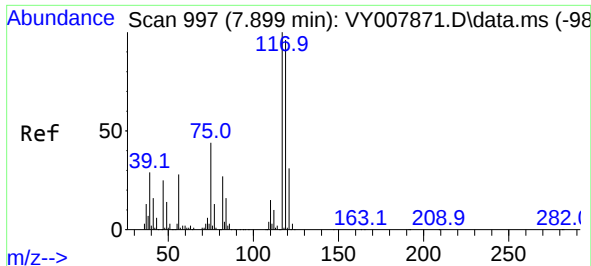
Tgt Ion:113 Resp: 126585
Ion Ratio Lower Upper
113 100
111 103.0 82.6 124.0
192 18.1 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.229 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY007914.D
Acq: 18 Mar 2022 19:51

Tgt Ion: 75 Resp: 17520
Ion Ratio Lower Upper
75 100
110 8.0 17.1 51.2#
77 0.1 24.4 36.6#

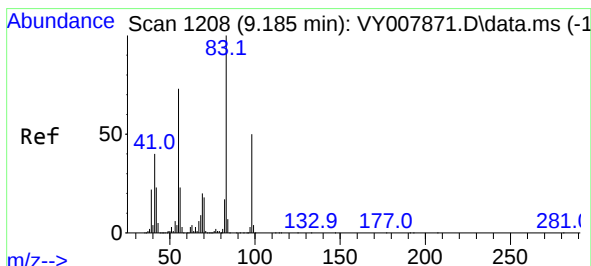
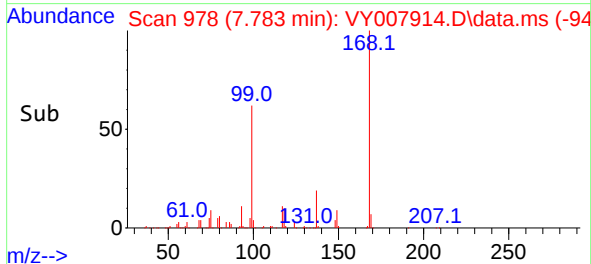
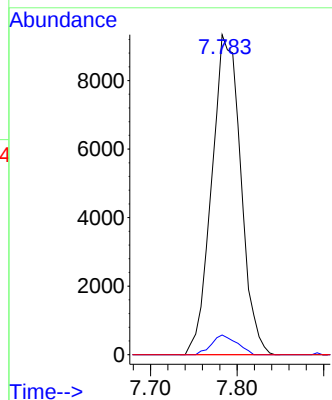
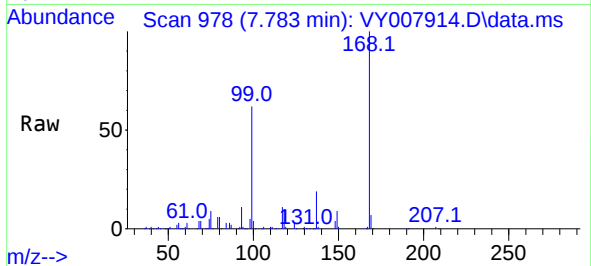




#38
Carbon Tetrachloride
Concen: 4.902 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY007914.D
Acq: 18 Mar 2022 19:51

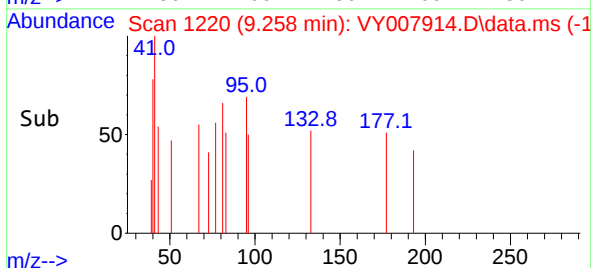
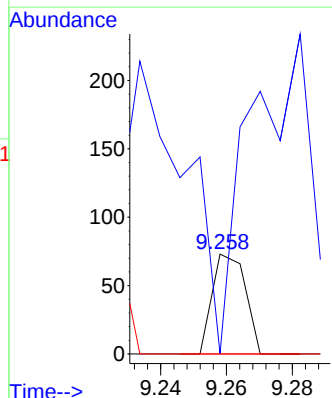
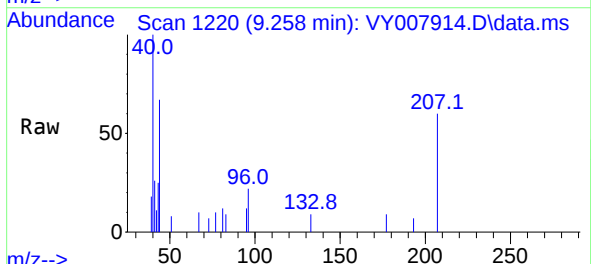
Instrument :
MSVOA_Y
ClientSampleId :
DB-15-(20-25)-3-12-22

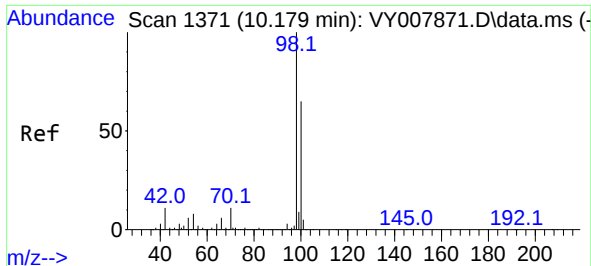
Tgt Ion:117 Resp: 21698
Ion Ratio Lower Upper
117 100
119 6.2 77.9 116.9#
121 0.0 24.8 37.2#



#39
Methylcyclohexane
Concen: Below Cal
RT: 9.258 min Scan# 1220
Delta R.T. 0.073 min
Lab File: VY007914.D
Acq: 18 Mar 2022 19:51

Tgt Ion: 83 Resp: 51
Ion Ratio Lower Upper
83 100
55 0.0 66.5 99.7#
98 0.0 37.9 56.9#

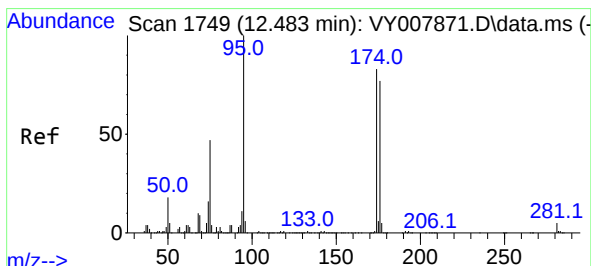
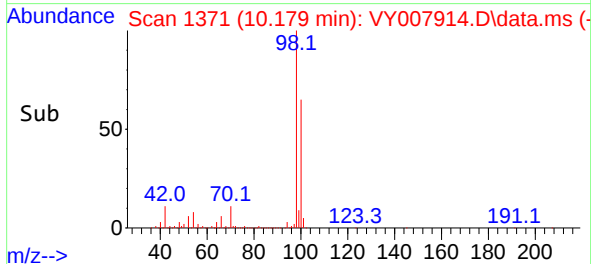
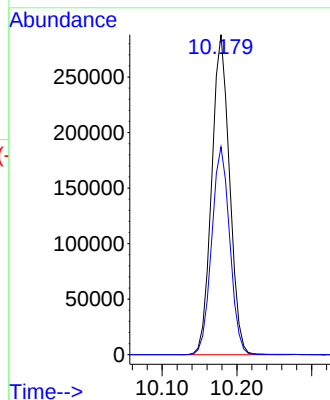
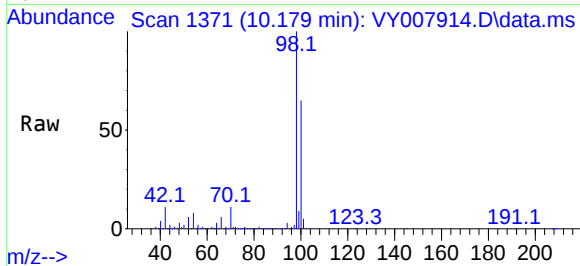




#50
Toluene-d8
Concen: 57.609 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY007914.D
Acq: 18 Mar 2022 19:51

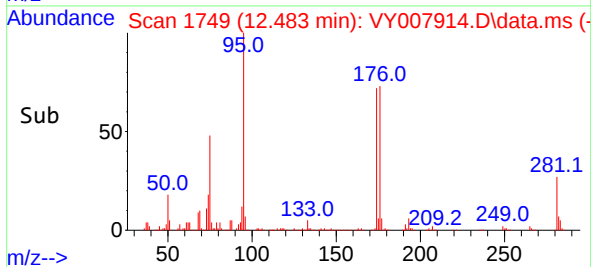
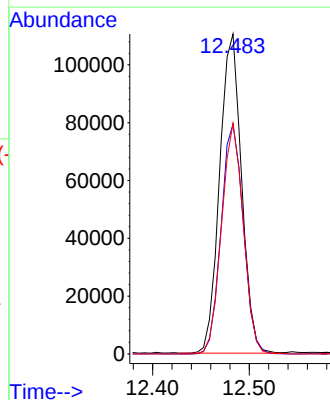
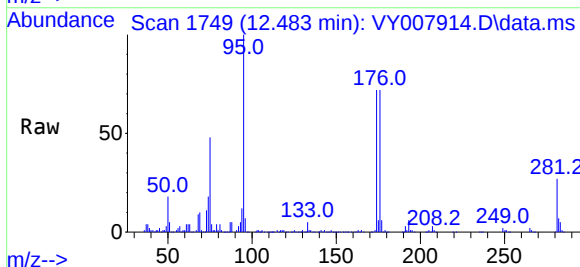
Instrument :
MSVOA_Y
ClientSampleId :
DB-15-(20-25)-3-12-22

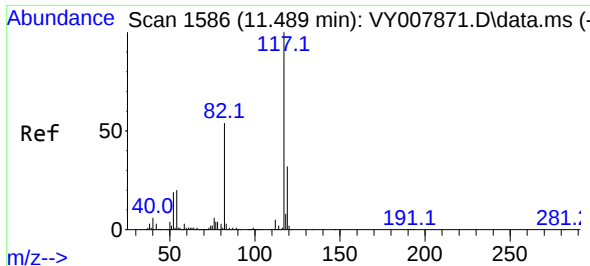
Tgt Ion: 98 Resp: 478280
Ion Ratio Lower Upper
98 100
100 65.7 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 43.280 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY007914.D
Acq: 18 Mar 2022 19:51

Tgt Ion: 95 Resp: 173487
Ion Ratio Lower Upper
95 100
174 73.0 0.0 177.0
176 71.5 0.0 175.8

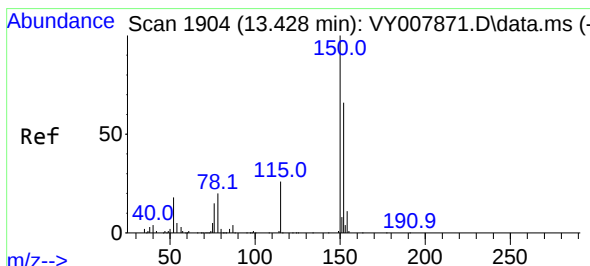
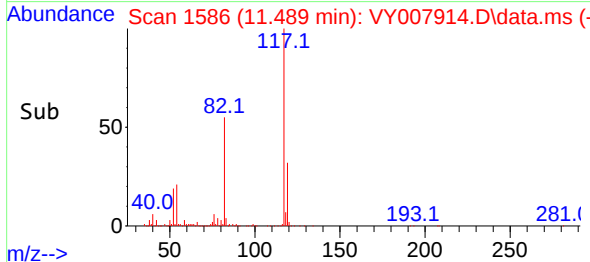
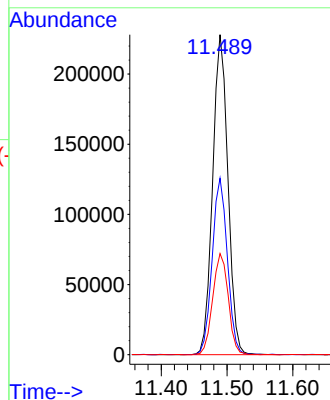
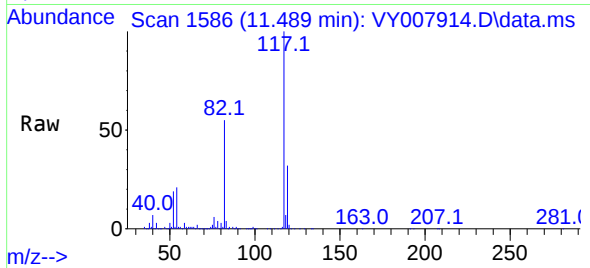




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY007914.D
Acq: 18 Mar 2022 19:51

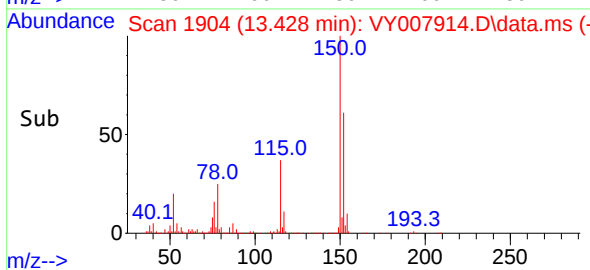
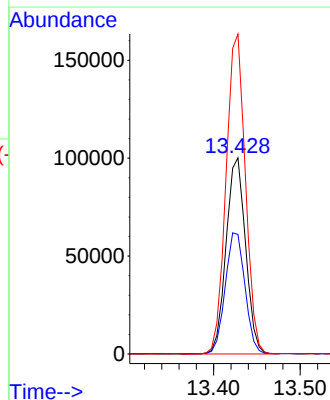
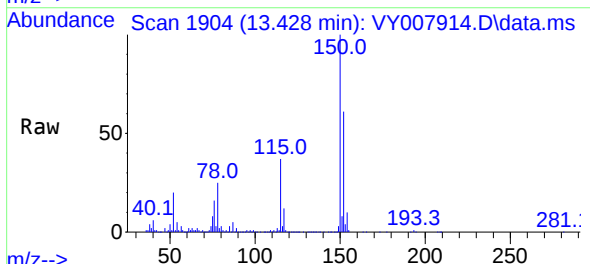
Instrument :
MSVOA_Y
ClientSampleId :
DB-15-(20-25)-3-12-22

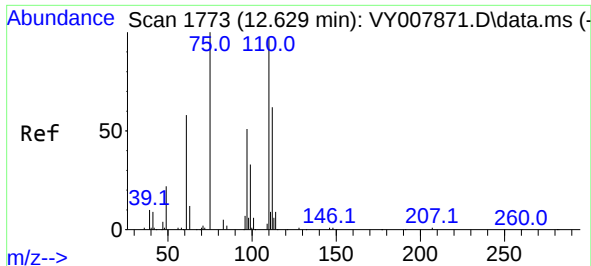
Tgt Ion:117 Resp: 368128
Ion Ratio Lower Upper
117 100
82 55.1 43.0 64.4
119 31.6 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY007914.D
Acq: 18 Mar 2022 19:51

Tgt Ion:152 Resp: 156806
Ion Ratio Lower Upper
152 100
115 62.5 28.2 84.7
150 161.6 0.0 347.6

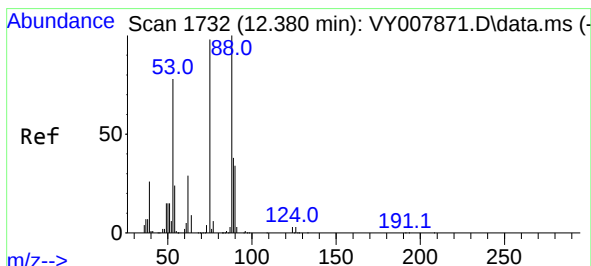
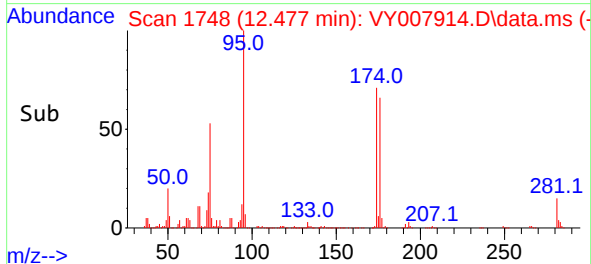
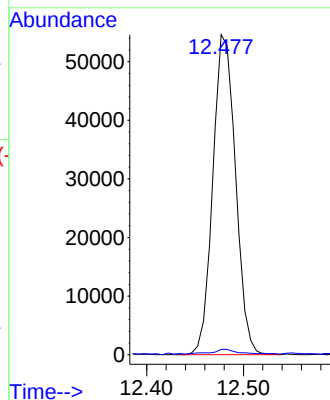
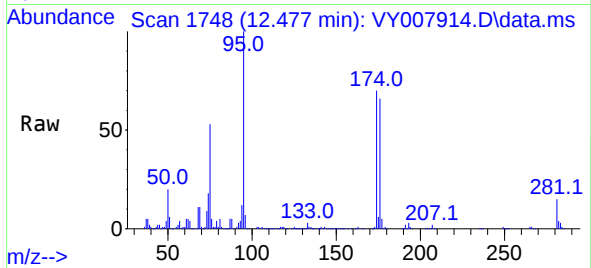




#76
1,2,3-Trichloropropane
Concen: 39.836 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.159 min
Lab File: VY007914.D
Acq: 18 Mar 2022 19:51

Instrument :
MSVOA_Y
ClientSampleId :
DB-15-(20-25)-3-12-22

Tgt Ion: 75 Resp: 89034
Ion Ratio Lower Upper
75 100
77 2.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 83.672 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.097 min
Lab File: VY007914.D
Acq: 18 Mar 2022 19:51

Tgt Ion: 75 Resp: 89034
Ion Ratio Lower Upper
75 100
53 0.2 85.3 127.9#
89 0.3 37.0 55.4#

