

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051922\
 Data File : VY008868.D
 Acq On : 19 May 2022 15:24
 Operator : KP/MD
 Sample : N2832-10RE
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB11RE

Quant Time: May 19 17:00:39 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051722S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 18 07:32:50 2022
 Response via : Initial Calibration

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

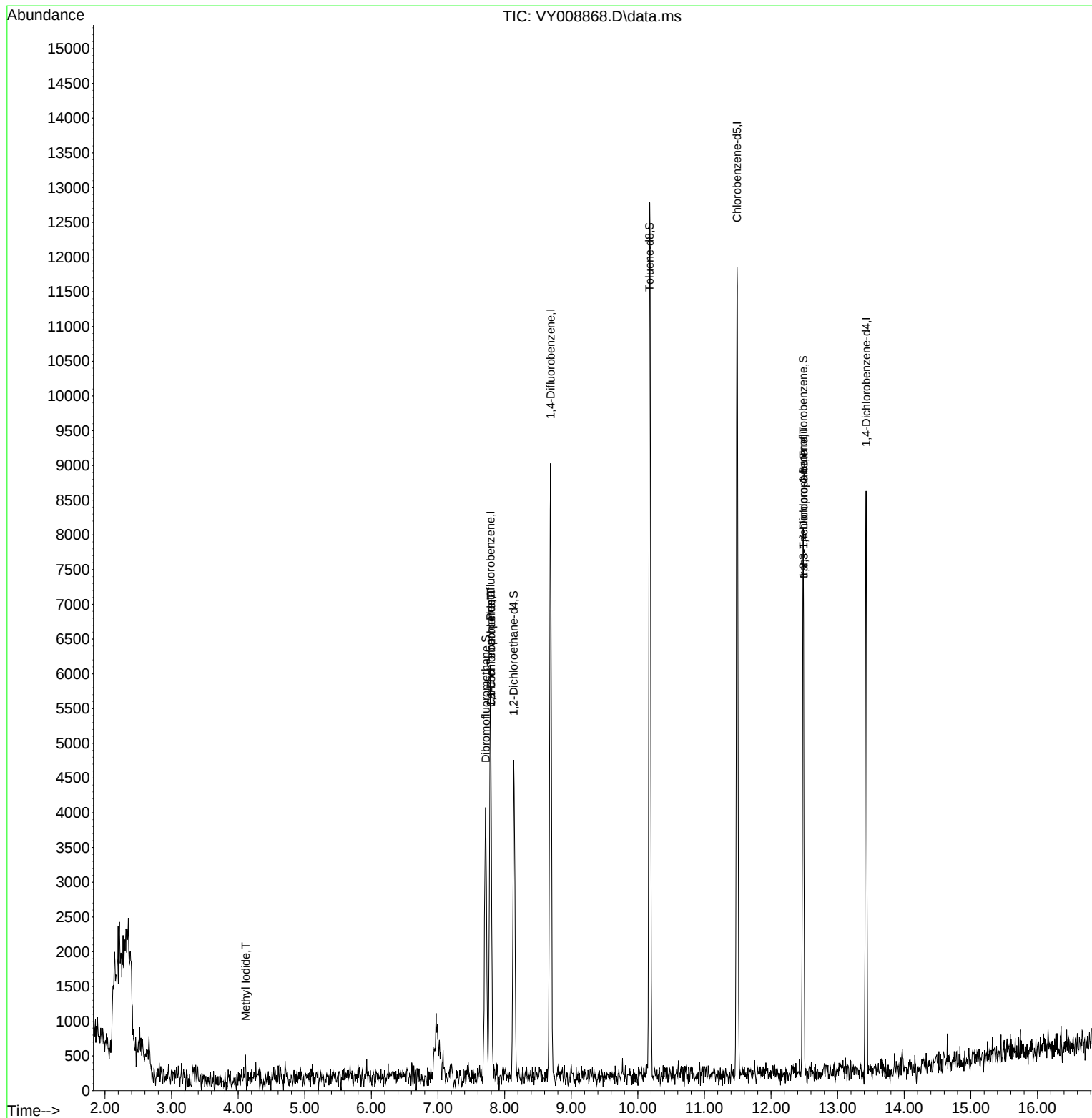
Internal Standards						
1) Pentafluorobenzene	7.789	168	4783	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	7401	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	6270	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	2189	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	3437	77.458	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 154.920%	
35) Dibromofluoromethane	7.716	113	2653	61.352	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 122.700%	
50) Toluene-d8	10.179	98	8433	44.262	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 88.520%	
62) 4-Bromofluorobenzene	12.483	95	2037	31.112	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 62.220%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	143	Below Cal	#	44
4) Vinyl Chloride	2.229	62	73	Below Cal	#	43
5) Bromomethane	2.662	94	21	Below Cal	#	1
6) Chloroethane	2.711	64	43	Below Cal	#	43
10) Methyl Iodide	4.113	142	72	1.453	ug/l #	35
20) Methylene Chloride	4.710	84	113	Below Cal	#	1
31) Cyclohexane	7.789	56	76	Below Cal	#	17
36) 1,1-Dichloropropene	7.795	75	310	4.476	ug/l #	42
38) Carbon Tetrachloride	7.795	117	465	6.265	ug/l #	11
76) 1,2,3-Trichloropropane	12.489	75	1336	52.835	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.489	75	1336	115.566	ug/l #	7

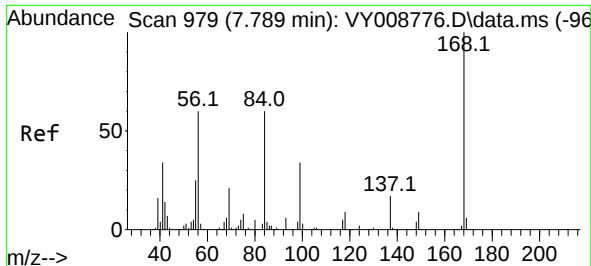
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed May 18 07:32:50 2022
Response via : Initial Calibration

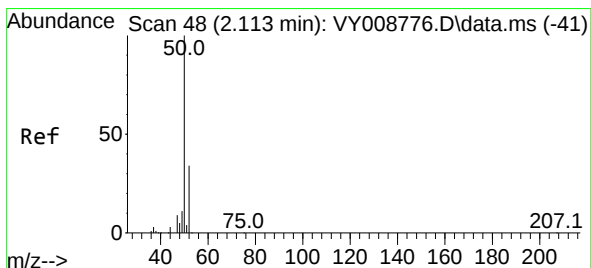
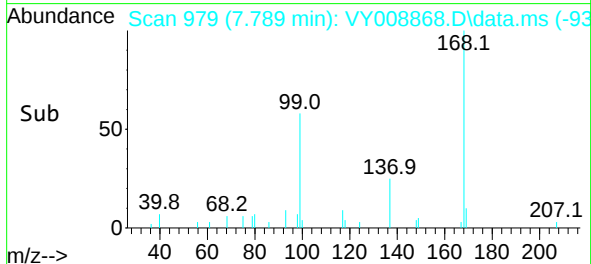
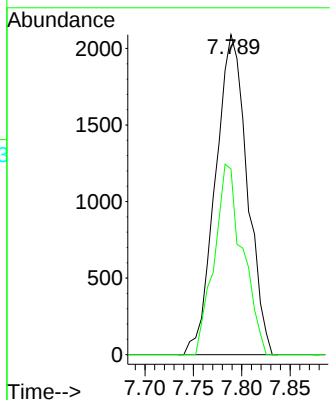
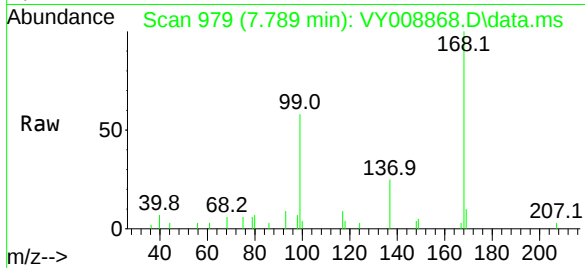




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008868.D
Acq: 19 May 2022 15:24

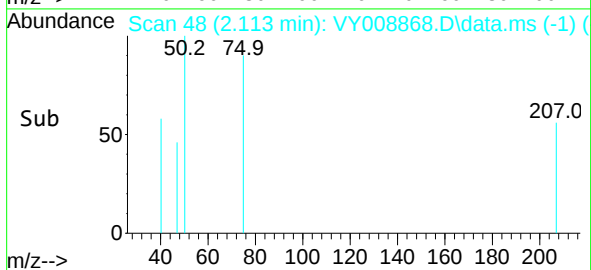
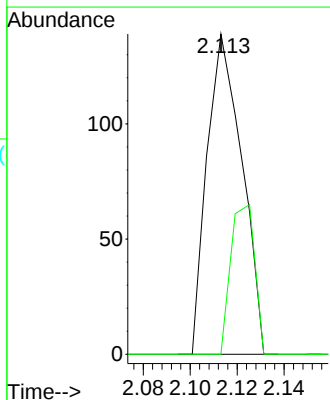
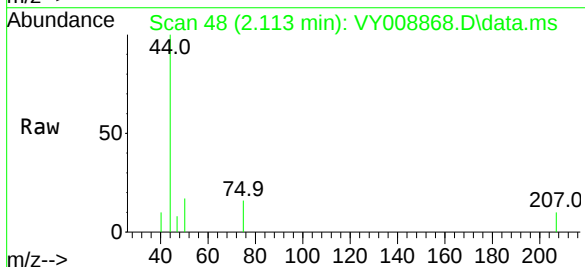
Instrument :
MSVOA_Y
ClientSampleId :
SB11RE

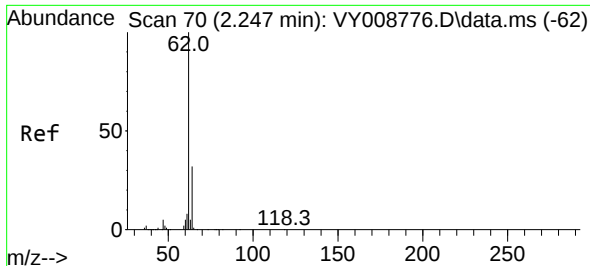
Tgt Ion:168 Resp: 4783
Ion Ratio Lower Upper
168 100
99 58.0 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY008868.D
Acq: 19 May 2022 15:24

Tgt Ion: 50 Resp: 143
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#

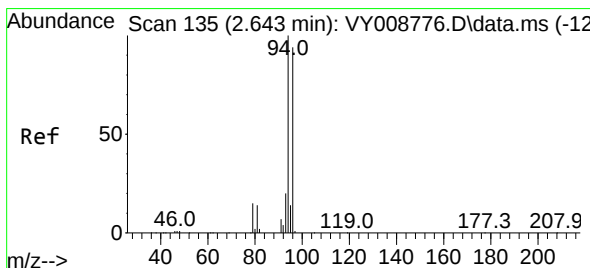
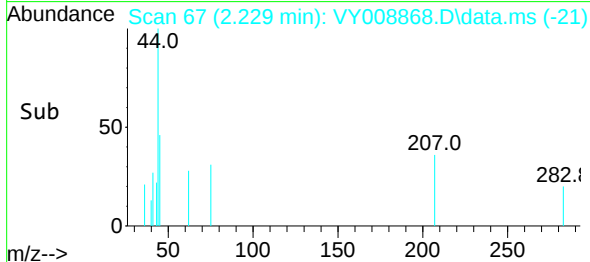
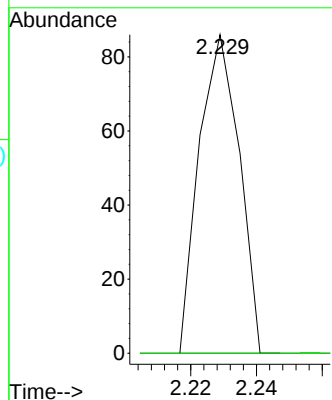
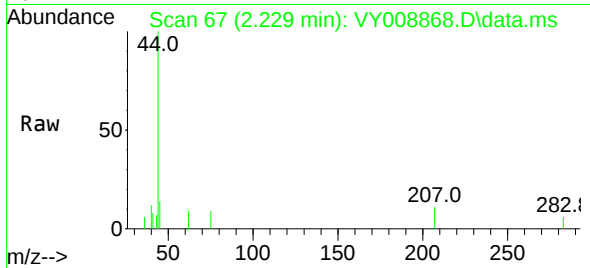




#4
 Vinyl Chloride
 Concen: Below Cal
 RT: 2.229 min Scan# 61
 Delta R.T. -0.018 min
 Lab File: VY008868.D
 Acq: 19 May 2022 15:24

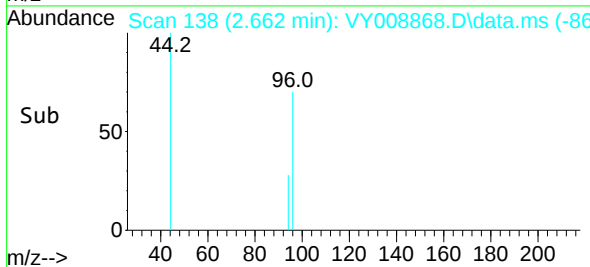
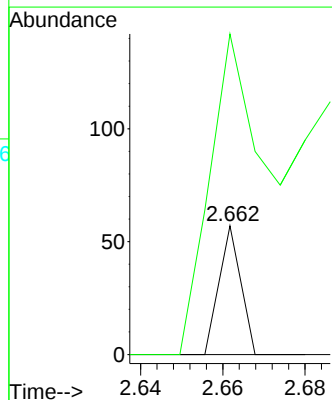
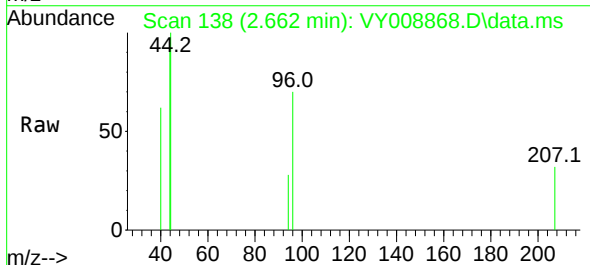
Instrument :
 MSVOA_Y
 ClientSampleId :
 SB11RE

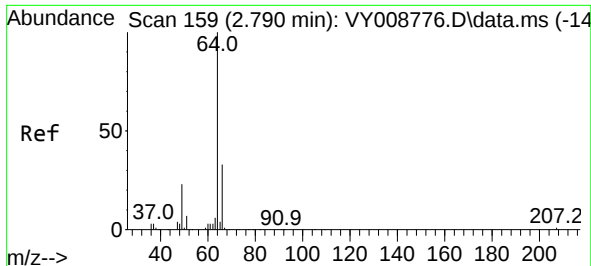
Tgt Ion: 62 Resp: 73
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.0 37.6#



#5
 Bromomethane
 Concen: Below Cal
 RT: 2.662 min Scan# 138
 Delta R.T. 0.019 min
 Lab File: VY008868.D
 Acq: 19 May 2022 15:24

Tgt Ion: 94 Resp: 21
 Ion Ratio Lower Upper
 94 100
 96 249.1 73.5 110.3#

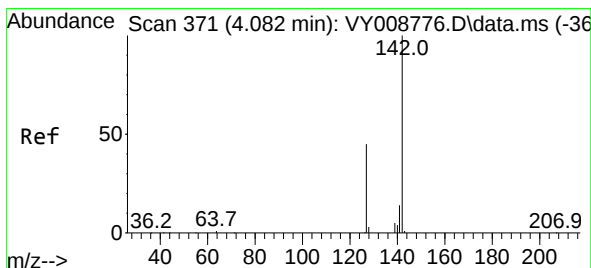
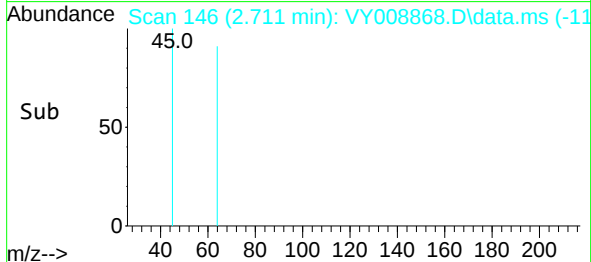
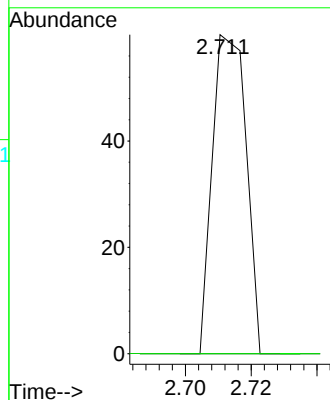
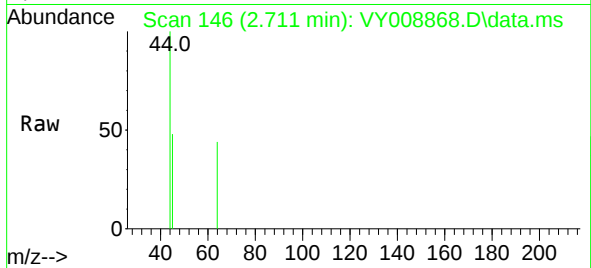




#6
Chloroethane
Concen: Below Cal
RT: 2.711 min Scan# 146
Delta R.T. -0.079 min
Lab File: VY008868.D
Acq: 19 May 2022 15:24

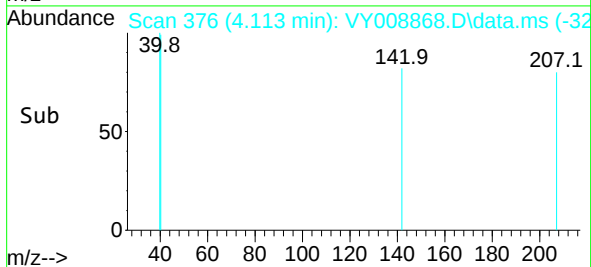
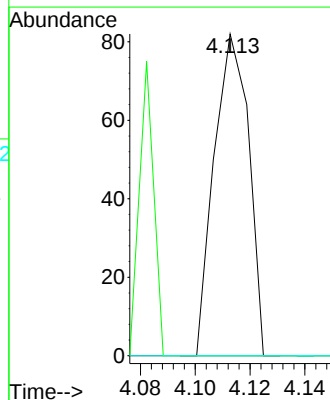
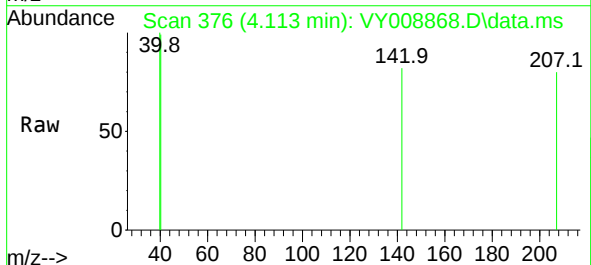
Instrument :
MSVOA_Y
ClientSampleId :
SB11RE

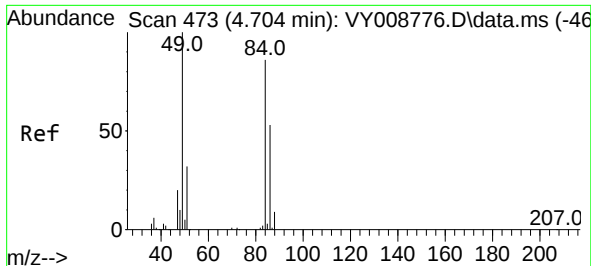
Tgt Ion: 64 Resp: 43
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#10
Methyl Iodide
Concen: 1.453 ug/l
RT: 4.113 min Scan# 376
Delta R.T. 0.030 min
Lab File: VY008868.D
Acq: 19 May 2022 15:24

Tgt Ion:142 Resp: 72
Ion Ratio Lower Upper
142 100
127 0.0 41.5 62.3#
141 0.0 11.9 17.9#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.710 min Scan# 41

Delta R.T. 0.006 min

Lab File: VY008868.D

Acq: 19 May 2022 15:24

Instrument :

MSVOA_Y

ClientSampleId :

SB11RE

Tgt Ion: 84 Resp: 113

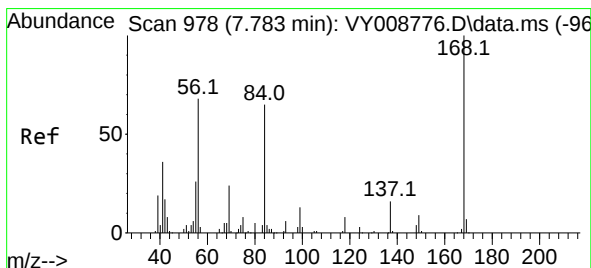
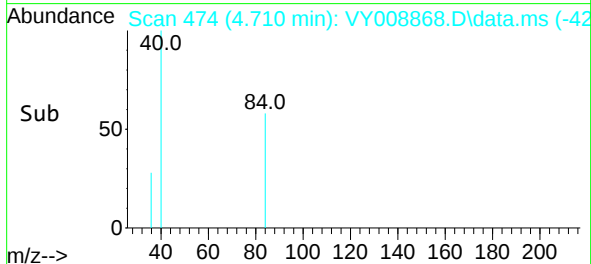
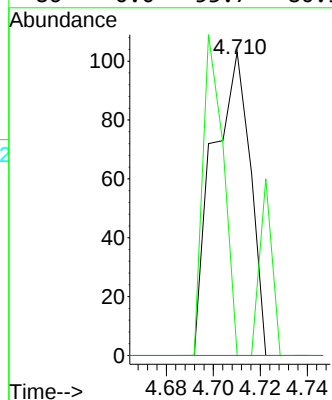
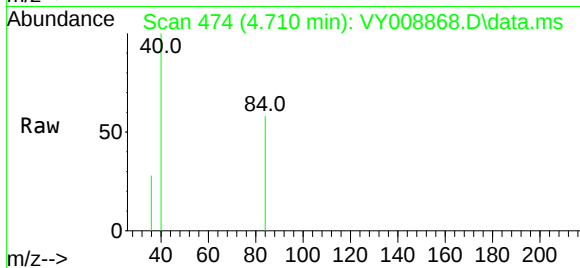
Ion Ratio Lower Upper

84 100

49 0.0 114.4 171.6#

51 0.0 35.3 52.9#

86 0.0 53.7 80.5#



#31

Cyclohexane

Concen: Below Cal

RT: 7.789 min Scan# 979

Delta R.T. 0.006 min

Lab File: VY008868.D

Acq: 19 May 2022 15:24

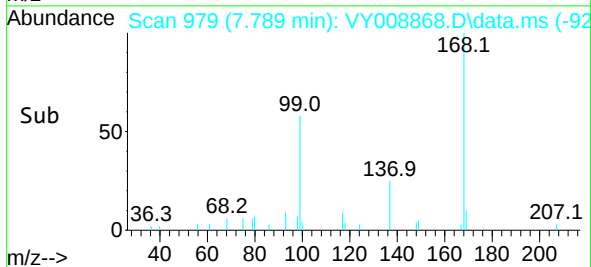
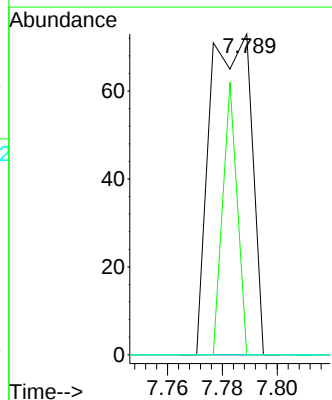
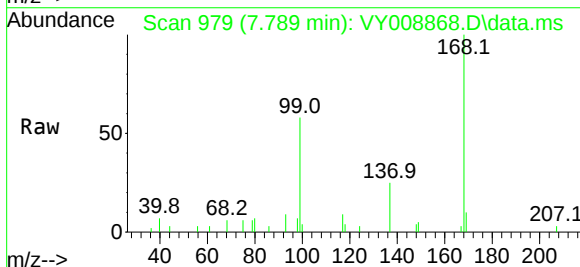
Tgt Ion: 56 Resp: 76

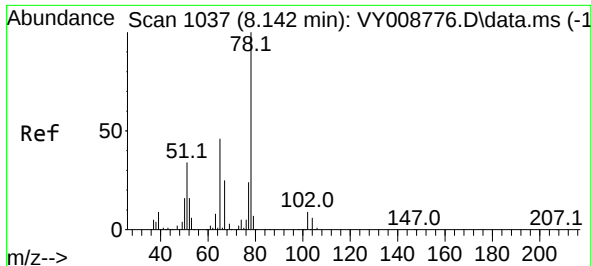
Ion Ratio Lower Upper

56 100

69 0.0 26.7 40.1#

84 0.0 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 77.458 ug/l

RT: 8.136 min Scan# 1103

Delta R.T. -0.006 min

Lab File: VY008868.D

Acq: 19 May 2022 15:24

Instrument :

MSVOA_Y

ClientSampleId :

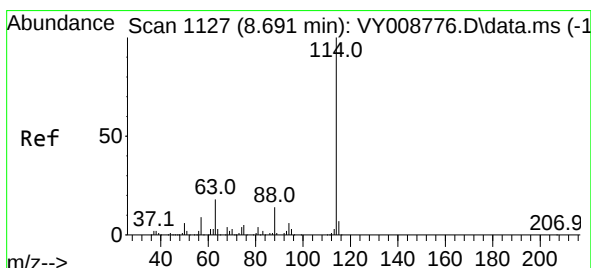
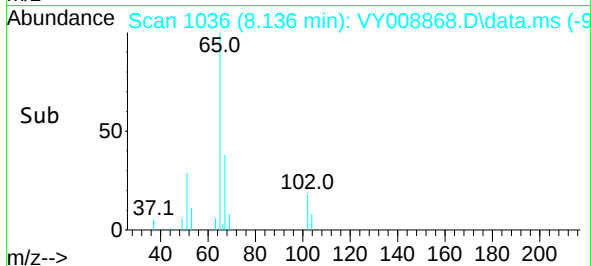
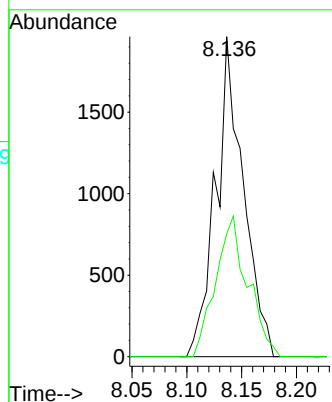
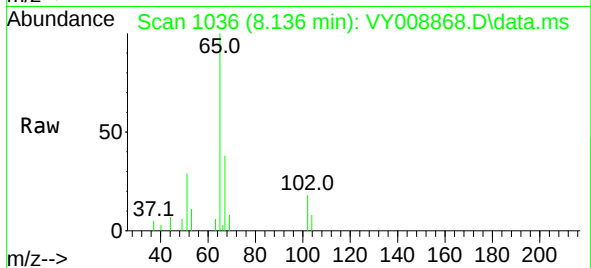
SB11RE

Tgt Ion: 65 Resp: 3437

Ion Ratio Lower Upper

65 100

67 51.1 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: VY008868.D

Acq: 19 May 2022 15:24

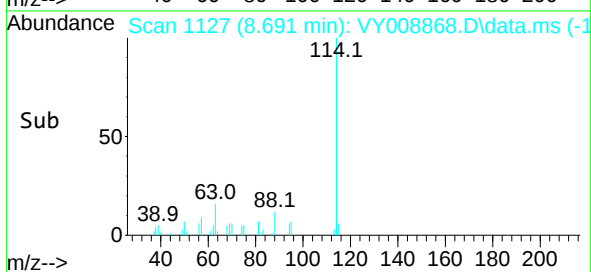
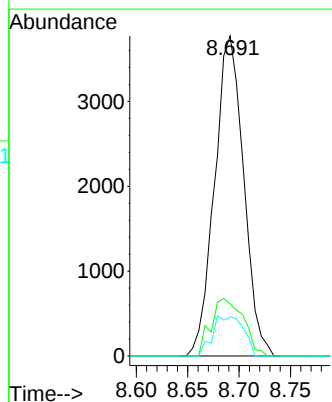
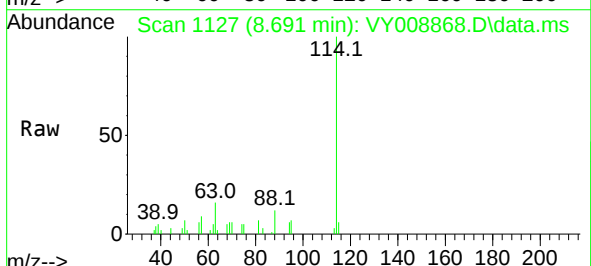
Tgt Ion: 114 Resp: 7401

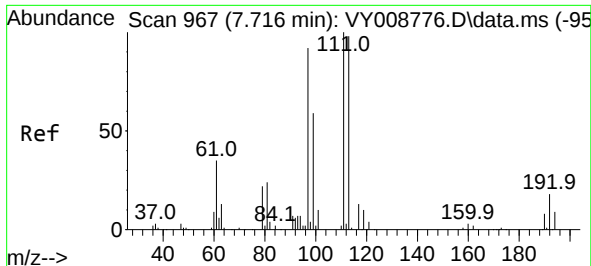
Ion Ratio Lower Upper

114 100

63 16.2 0.0 43.2

88 12.3 0.0 31.8

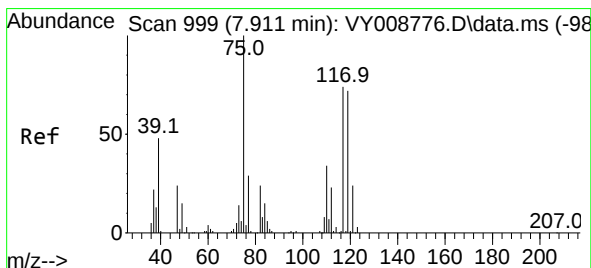
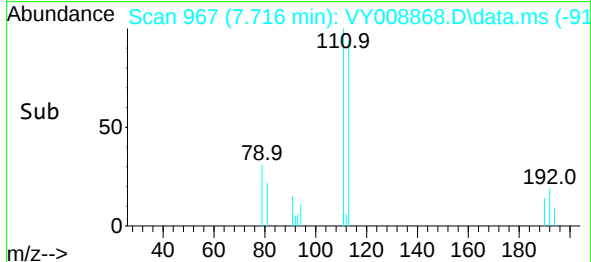
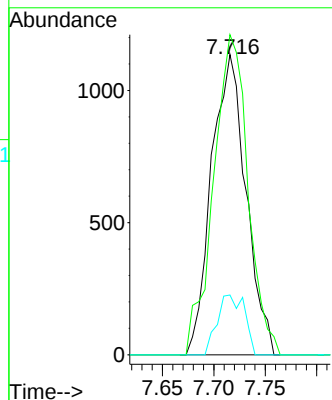
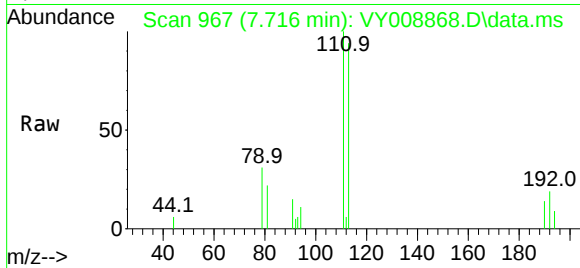




#35
Dibromofluoromethane
Concen: 61.352 ug/l
RT: 7.716 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY008868.D
Acq: 19 May 2022 15:24

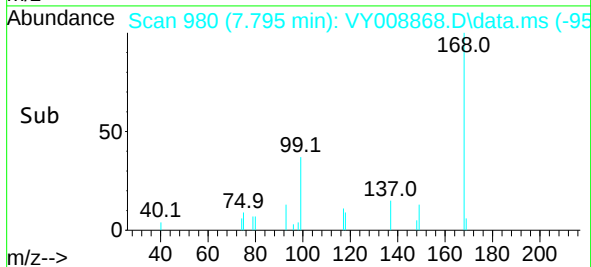
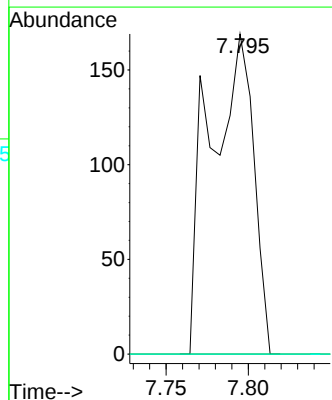
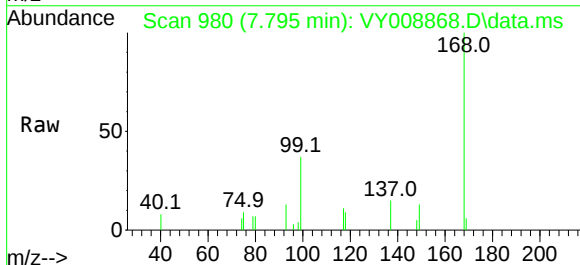
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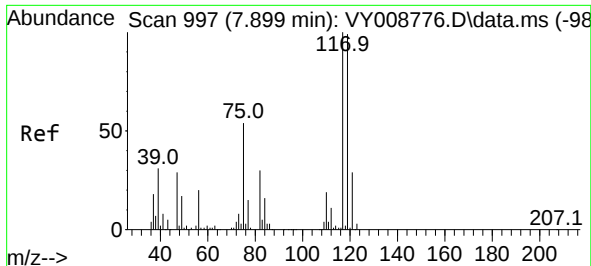
Tgt Ion:113 Resp: 2653
Ion Ratio Lower Upper
113 100
111 106.0 82.6 124.0
192 15.7 17.6 26.4#



#36
1,1-Dichloropropene
Concen: 4.476 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.116 min
Lab File: VY008868.D
Acq: 19 May 2022 15:24

Tgt Ion: 75 Resp: 310
Ion Ratio Lower Upper
75 100
110 0.0 17.1 51.2#
77 0.0 24.4 36.6#

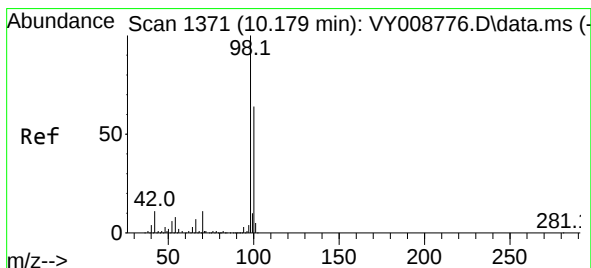
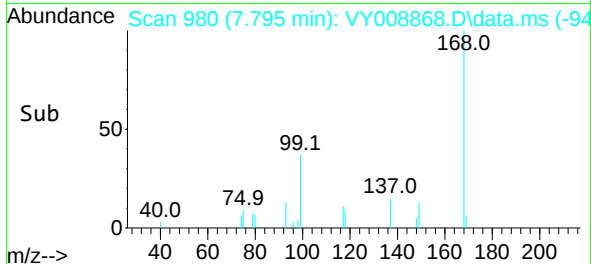
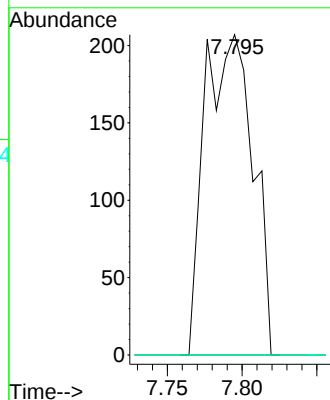
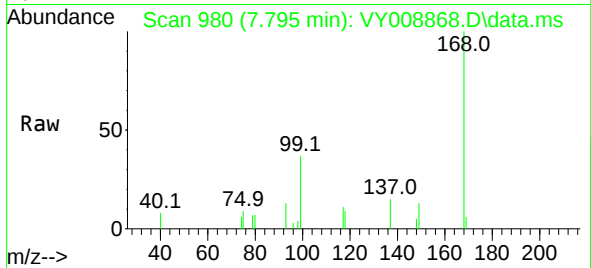




#38
Carbon Tetrachloride
Concen: 6.265 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY008868.D
Acq: 19 May 2022 15:24

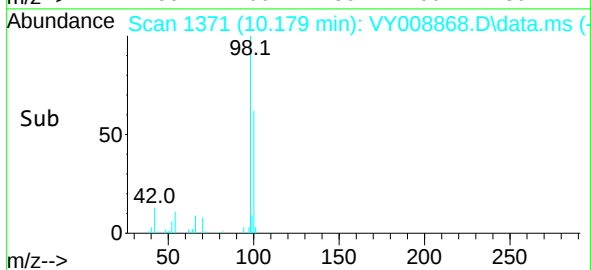
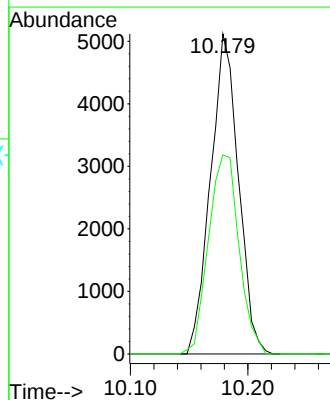
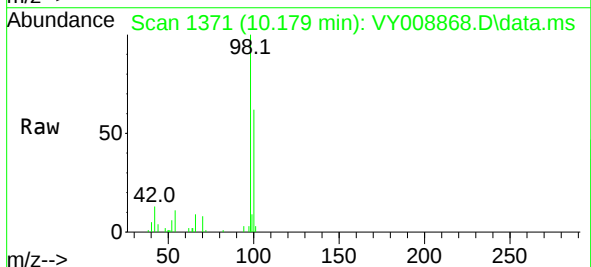
Instrument :
MSVOA_Y
ClientSampleId :
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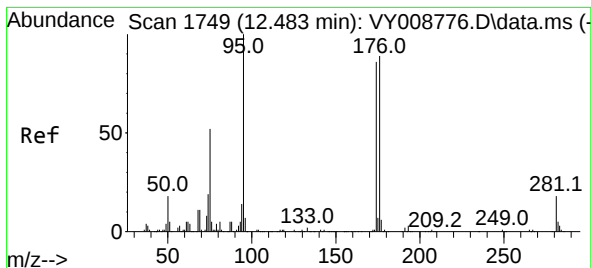
Tgt Ion:117 Resp: 465
Ion Ratio Lower Upper
117 100
119 0.0 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 44.262 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY008868.D
Acq: 19 May 2022 15:24

Tgt Ion: 98 Resp: 8433
Ion Ratio Lower Upper
98 100
100 68.1 50.2 75.2

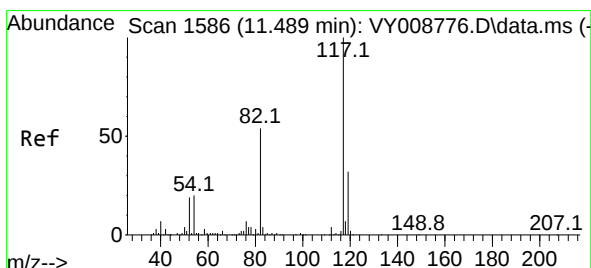
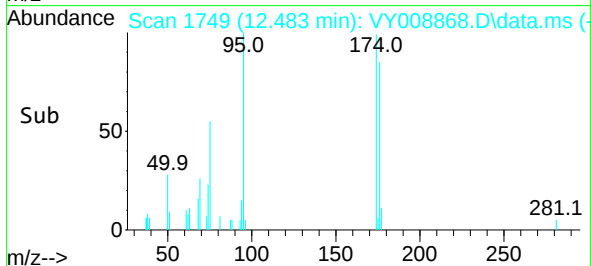
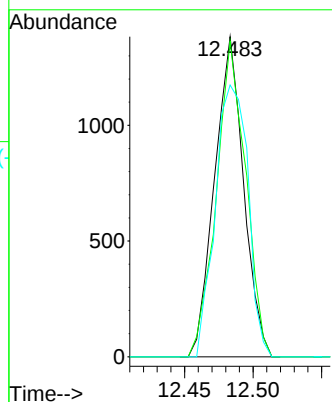
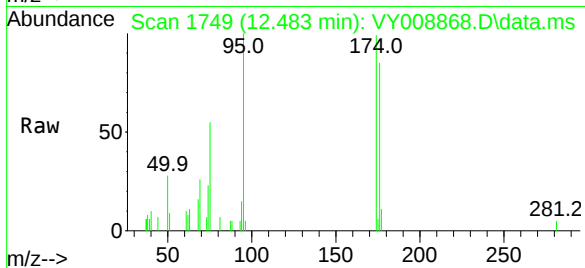




#62
4-Bromofluorobenzene
Concen: 31.112 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY008868.D
Acq: 19 May 2022 15:24

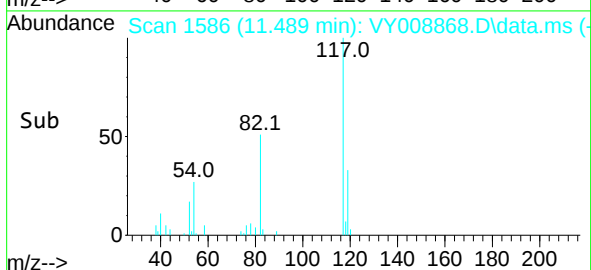
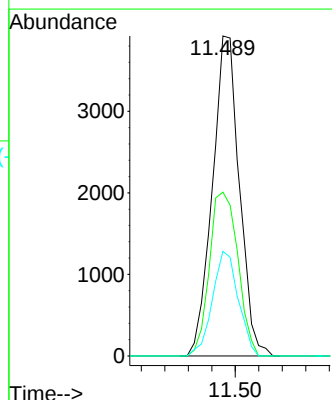
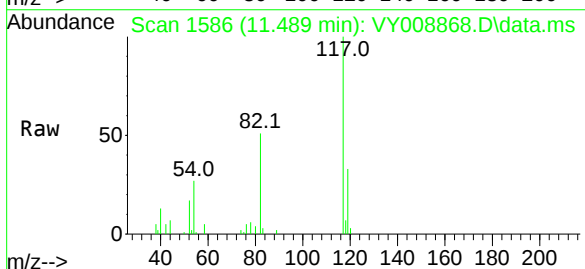
Instrument :
MSVOA_Y
ClientSampleId :
SB11RE

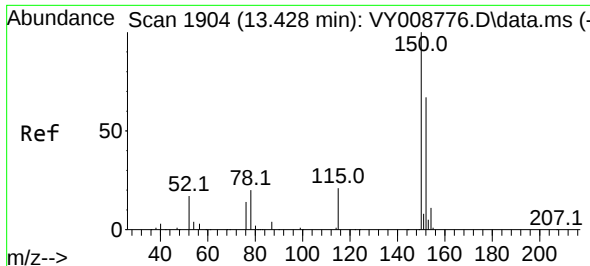
Tgt Ion: 95 Resp: 2037
Ion Ratio Lower Upper
95 100
174 99.4 0.0 177.0
176 95.7 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY008868.D
Acq: 19 May 2022 15:24

Tgt Ion: 117 Resp: 6270
Ion Ratio Lower Upper
117 100
82 51.2 43.0 64.4
119 32.7 25.4 38.0

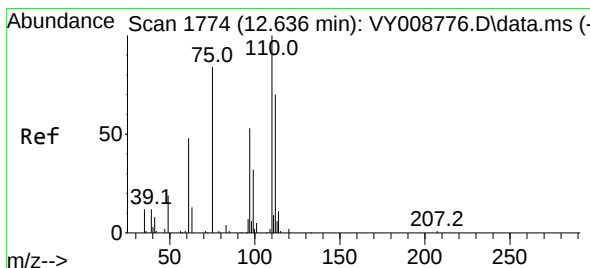
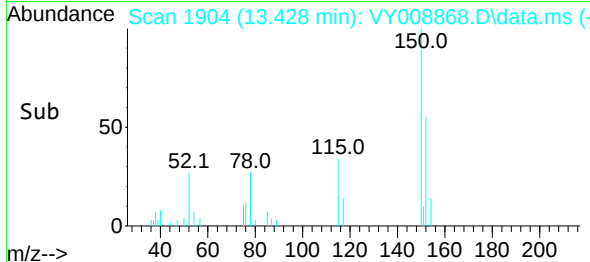
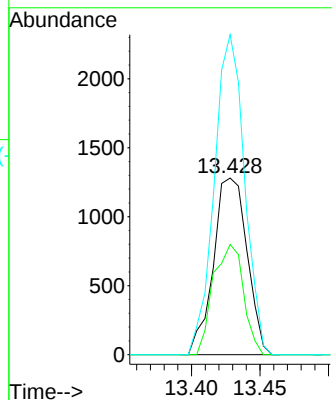
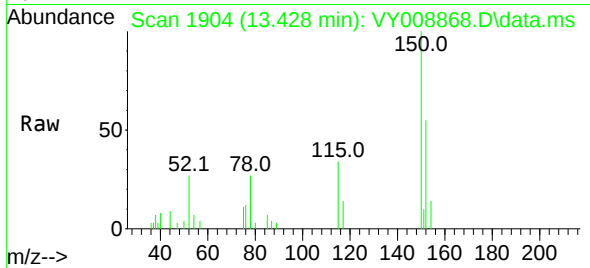




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY008868.D
 Acq: 19 May 2022 15:24

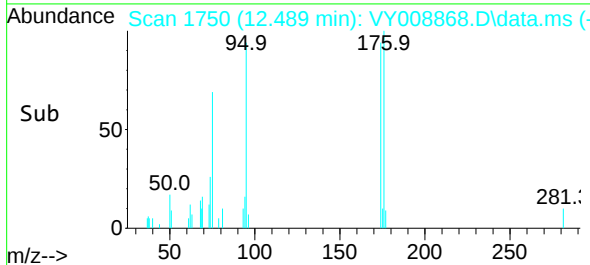
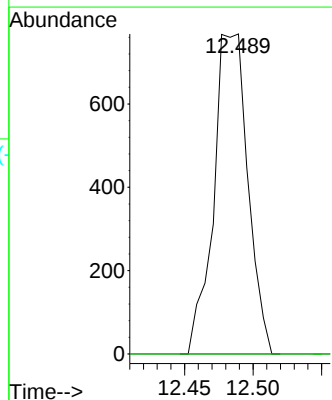
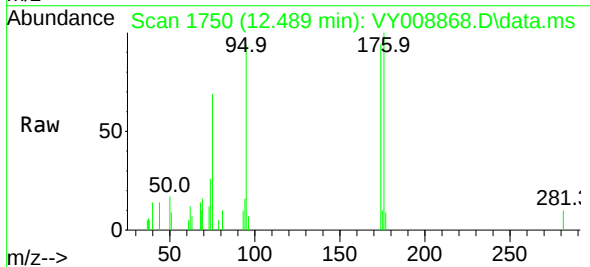
Instrument :
 MSVOA_Y
 ClientSampleId :
 SB11RE

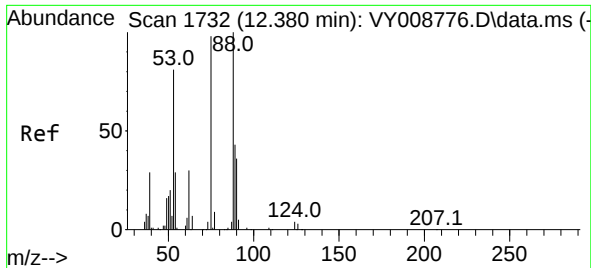
Tgt Ion:152 Resp: 2189
 Ion Ratio Lower Upper
 152 100
 115 55.8 28.2 84.7
 150 162.7 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 52.835 ug/l
 RT: 12.489 min Scan# 1750
 Delta R.T. -0.146 min
 Lab File: VY008868.D
 Acq: 19 May 2022 15:24

Tgt Ion: 75 Resp: 1336
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 115.566 ug/l
 RT: 12.489 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY008868.D
 Acq: 19 May 2022 15:24

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB11RE

Tgt Ion: 75 Resp: 1336
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.3 127.9#
 89 0.0 37.0 55.4#

