

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030922\
 Data File : VY007806.D
 Acq On : 09 Mar 2022 17:53
 Operator : SY/MD
 Sample : N1763-16
 Misc : 5.56g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Mar 10 01:04:37 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022822S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 01 09:08:03 2022
 Response via : Initial Calibration

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

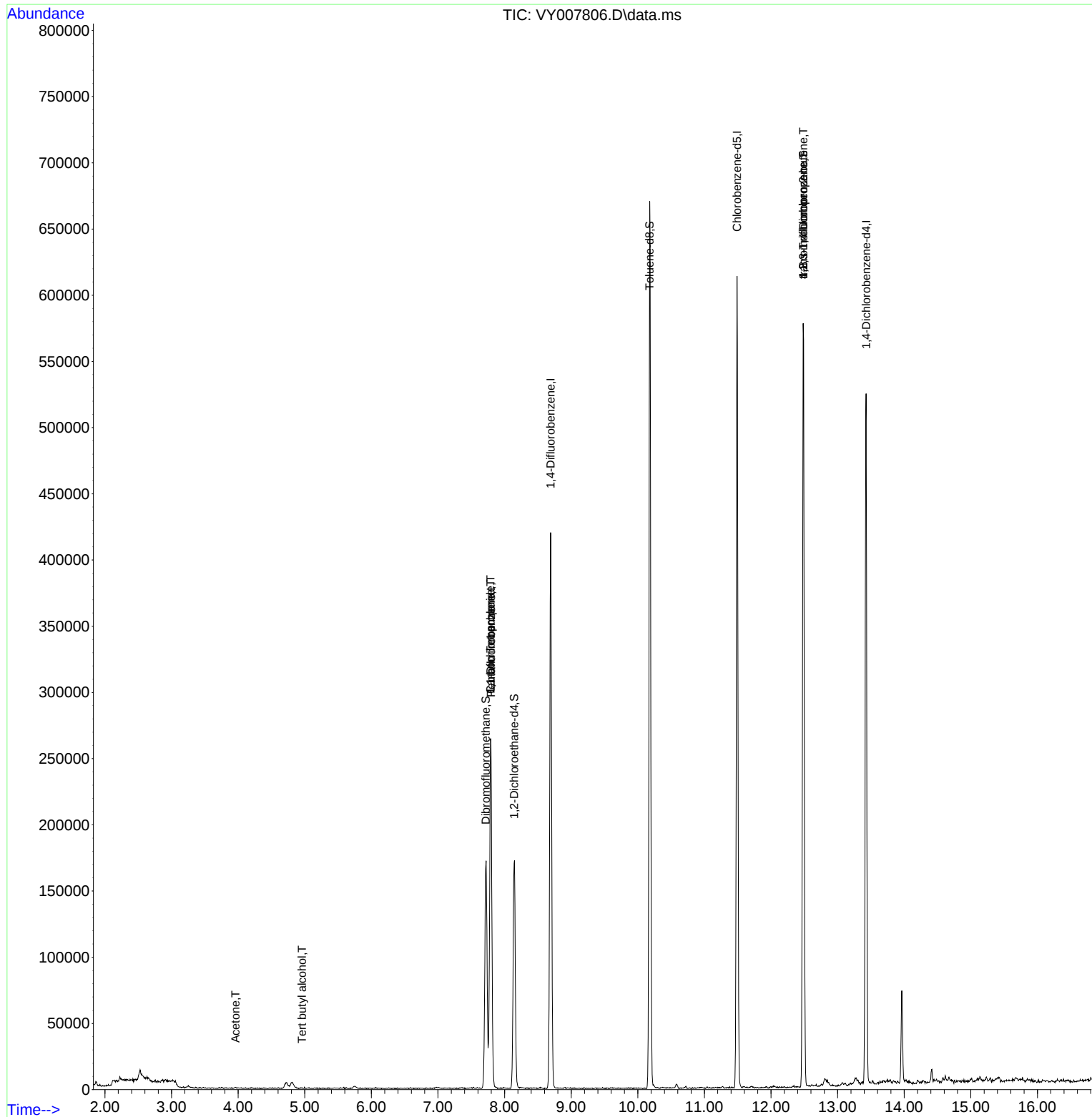
Internal Standards						
1) Pentafluorobenzene	7.795	168	202026	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	348280	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	316402	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	128571	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	132665	62.725	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 125.440%	
35) Dibromofluoromethane	7.715	113	118093	53.036	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.080%	
50) Toluene-d8	10.178	98	428739	52.308	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 104.620%	
62) 4-Bromofluorobenzene	12.483	95	122373	46.317	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 92.640%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	80	Below Cal	#	43
3) Chloromethane	2.113	50	1295	Below Cal		98
11) Tert butyl alcohol	4.960	59	392	2.141 ug/l	#	77
13) Acrolein	3.710	56	69	Below Cal	#	14
16) Acetone	3.960	43	594	1.381 ug/l		94
17) Carbon Disulfide	4.222	76	30	Below Cal	#	75
18) Methyl Acetate	4.533	43	37	Below Cal	#	56
20) Methylene Chloride	4.704	84	1136	Below Cal	#	59
31) Cyclohexane	7.789	56	5205	Below Cal	#	23
36) 1,1-Dichloropropene	7.789	75	16233	4.634 ug/l	#	53
38) Carbon Tetrachloride	7.789	117	20114	5.383 ug/l	#	16
76) 1,2,3-Trichloropropane	12.483	75	75457	52.553 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.483	75	75457	107.437 ug/l	#	8

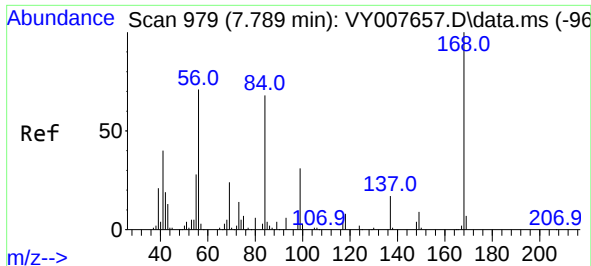
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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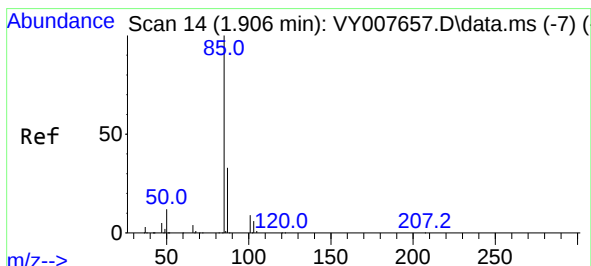
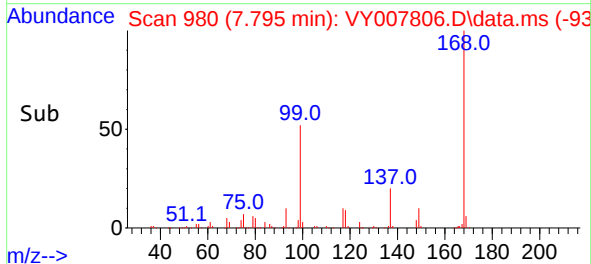
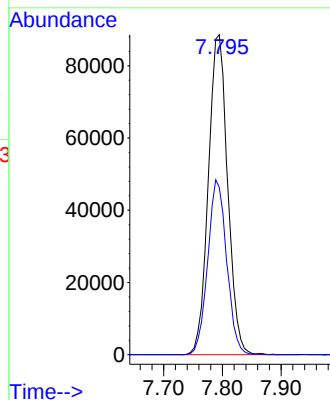
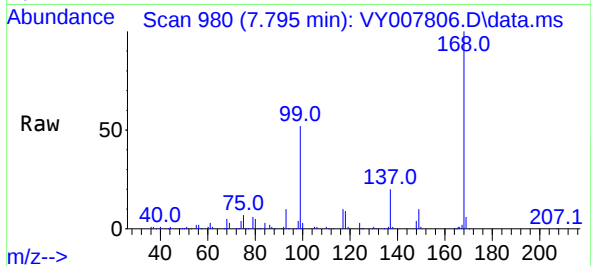




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY007806.D
Acq: 09 Mar 2022 17:53

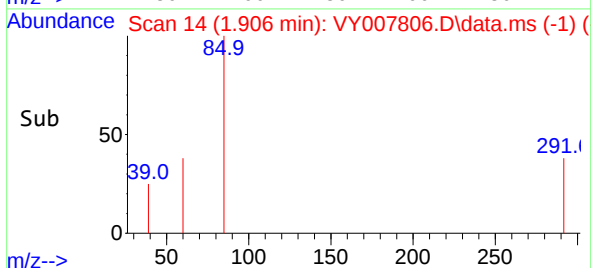
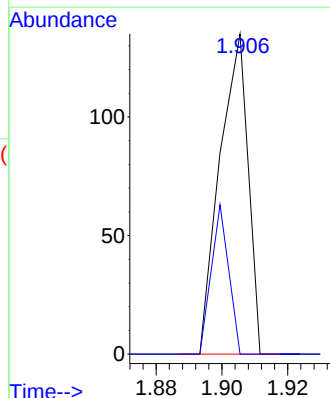
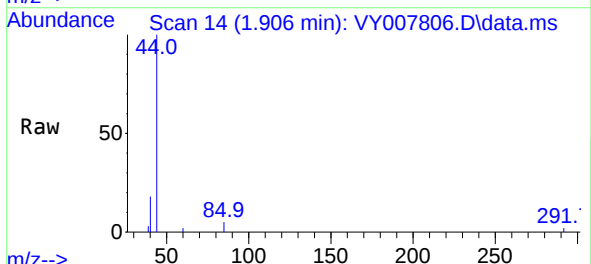
Instrument :
MSVOA_Y
ClientSampleId :

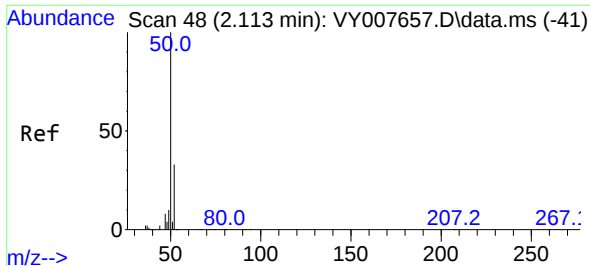
Tgt Ion:168 Resp: 202026
Ion Ratio Lower Upper
168 100
99 52.4 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY007806.D
Acq: 09 Mar 2022 17:53

Tgt Ion: 85 Resp: 80
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

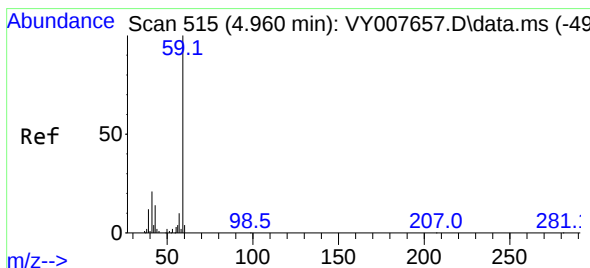
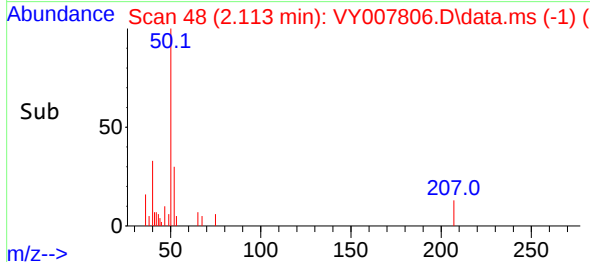
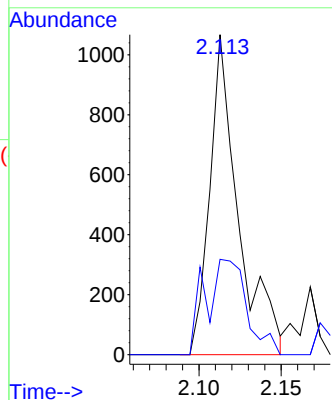
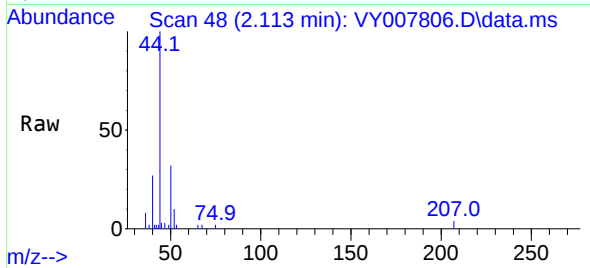




#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY007806.D
Acq: 09 Mar 2022 17:53

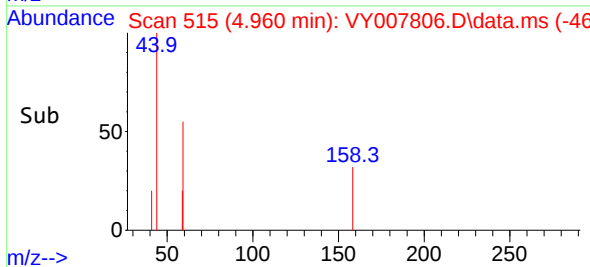
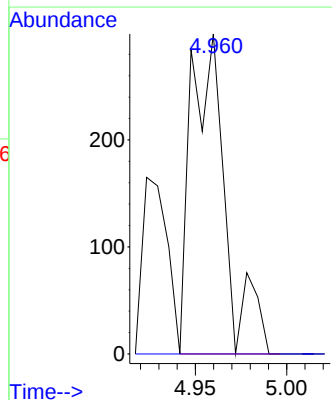
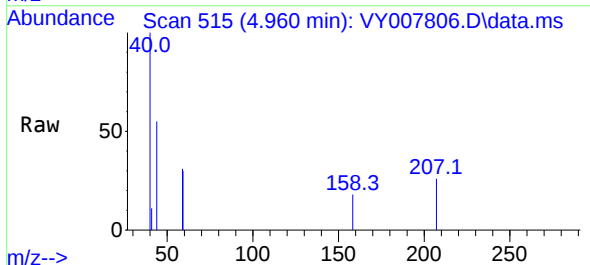
Instrument :
MSVOA_Y
ClientSampleId :

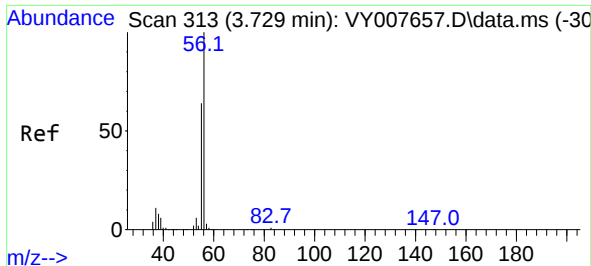
Tgt Ion: 50 Resp: 1295
Ion Ratio Lower Upper
50 100
52 29.8 24.6 37.0



#11
Tert butyl alcohol
Concen: 2.141 ug/l
RT: 4.960 min Scan# 515
Delta R.T. -0.000 min
Lab File: VY007806.D
Acq: 09 Mar 2022 17:53

Tgt Ion: 59 Resp: 392
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#





#13

Acrolein

Concen: Below Cal

RT: 3.710 min Scan# 31

Delta R.T. -0.019 min

Lab File: VY007806.D

Acq: 09 Mar 2022 17:53

Instrument :

MSVOA_Y

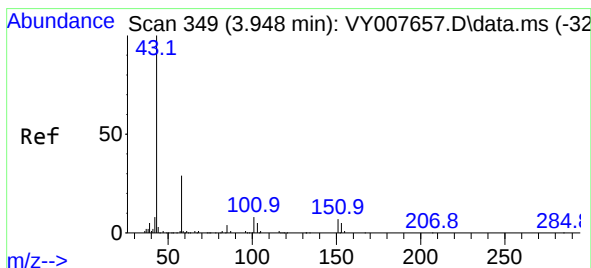
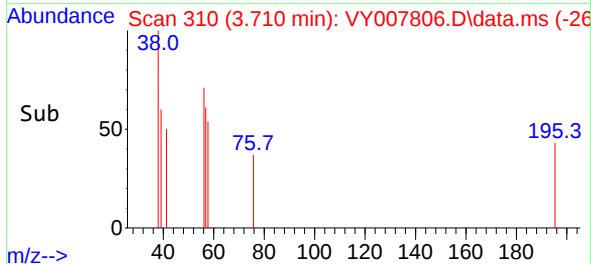
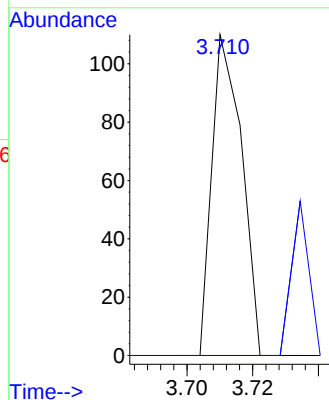
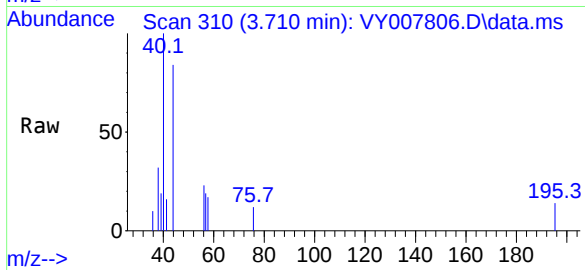
ClientSampleId :

Tgt Ion: 56 Resp: 69

Ion Ratio Lower Upper

56 100

55 0.0 57.6 86.4#



#16

Acetone

Concen: 1.381 ug/l

RT: 3.960 min Scan# 351

Delta R.T. 0.012 min

Lab File: VY007806.D

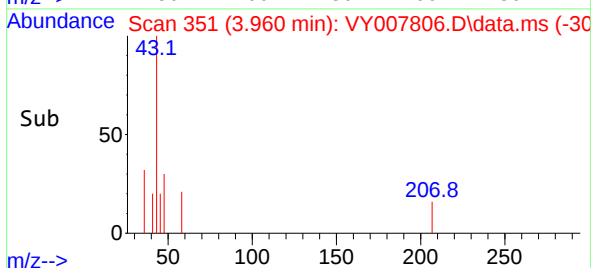
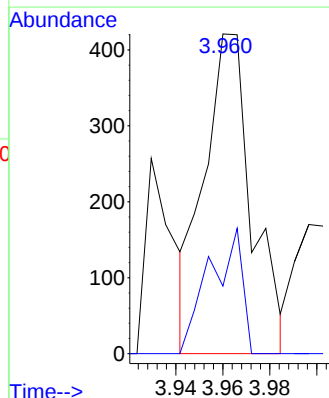
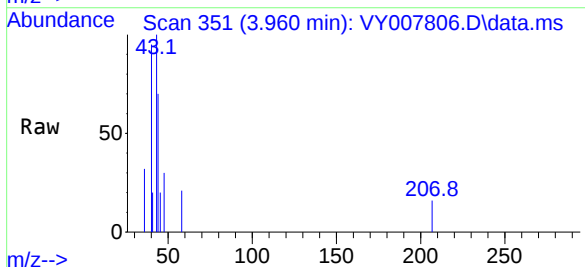
Acq: 09 Mar 2022 17:53

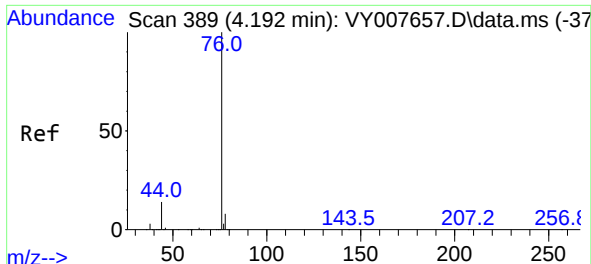
Tgt Ion: 43 Resp: 594

Ion Ratio Lower Upper

43 100

58 24.1 22.0 33.0

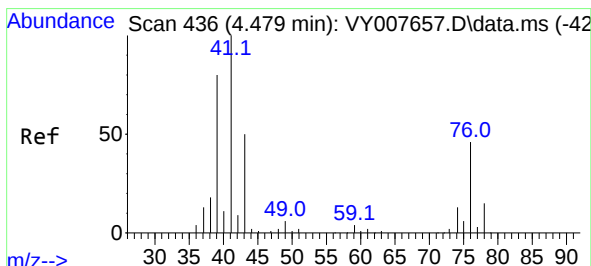
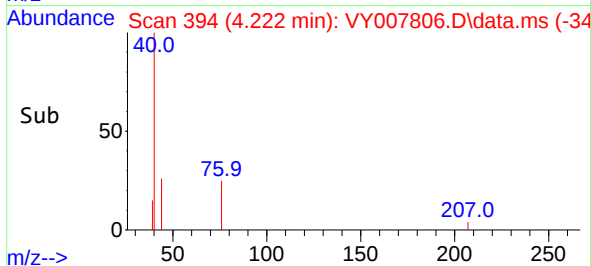
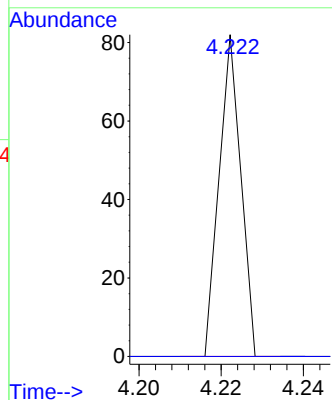
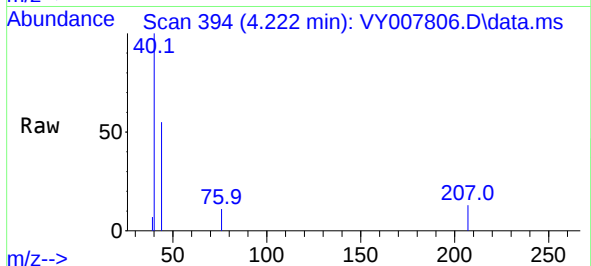




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.222 min Scan# 394
Delta R.T. 0.030 min
Lab File: VY007806.D
Acq: 09 Mar 2022 17:53

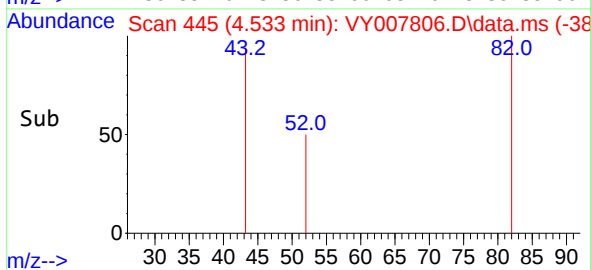
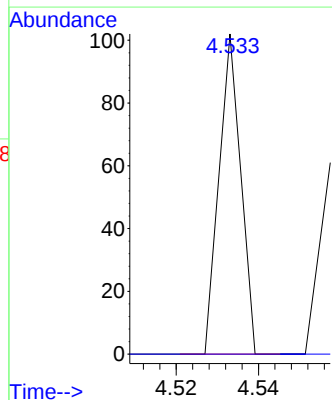
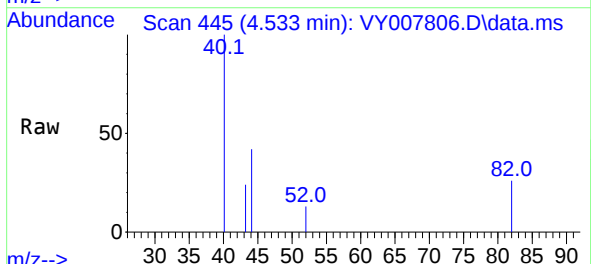
Instrument :
MSVOA_Y
ClientSampleId :

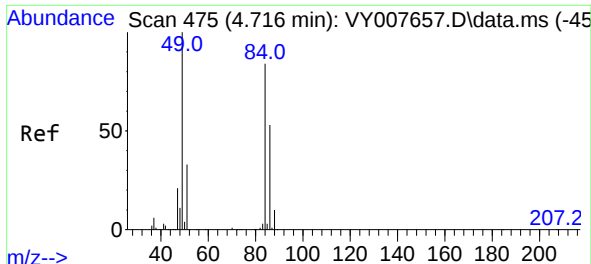
Tgt Ion: 76 Resp: 30
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.533 min Scan# 445
Delta R.T. 0.054 min
Lab File: VY007806.D
Acq: 09 Mar 2022 17:53

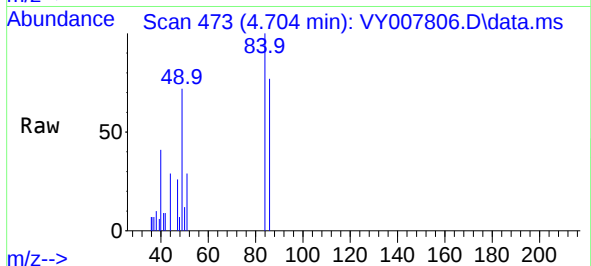
Tgt Ion: 43 Resp: 37
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#





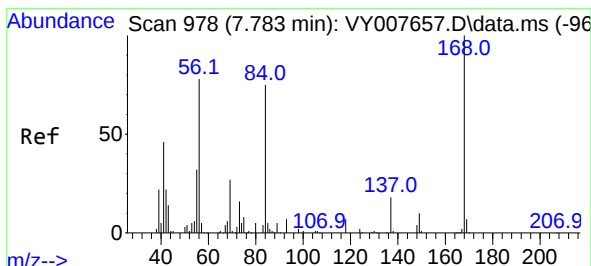
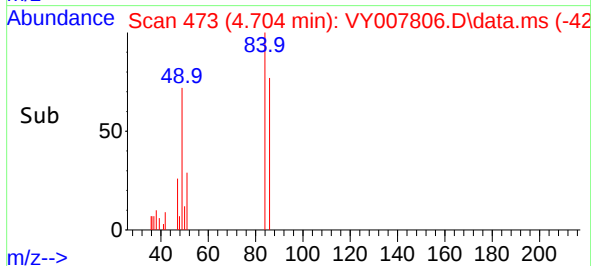
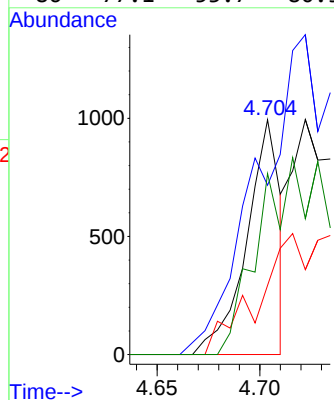
#20
Methylene Chloride
Concen: Below Cal
RT: 4.704 min Scan# 41
Delta R.T. -0.012 min
Lab File: VY007806.D
Acq: 09 Mar 2022 17:53

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 84 Resp: 1136

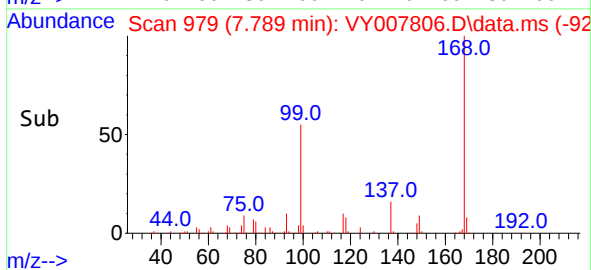
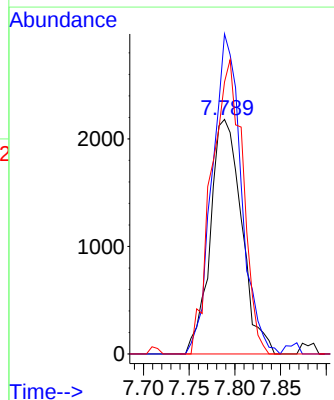
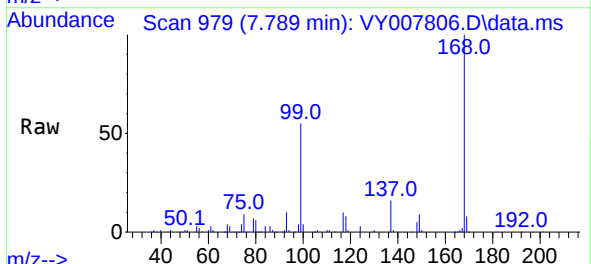
Ion	Ratio	Lower	Upper
84	100		
49	72.1	114.4	171.6#
51	22.8	35.3	52.9#
86	77.1	53.7	80.5

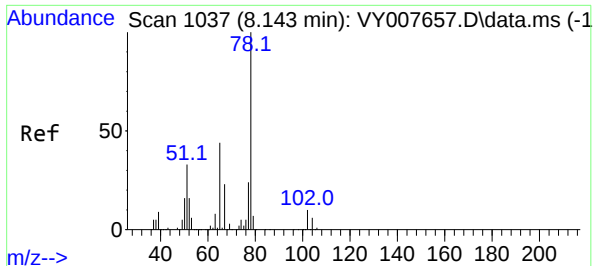


#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 979
Delta R.T. 0.006 min
Lab File: VY007806.D
Acq: 09 Mar 2022 17:53

Tgt Ion: 56 Resp: 5205

Ion	Ratio	Lower	Upper
56	100		
69	136.5	26.7	40.1#
84	116.0	67.2	100.8#





#33

1,2-Dichloroethane-d4

Concen: 62.725 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. -0.001 min

Lab File: VY007806.D

Acq: 09 Mar 2022 17:53

Instrument :

MSVOA_Y

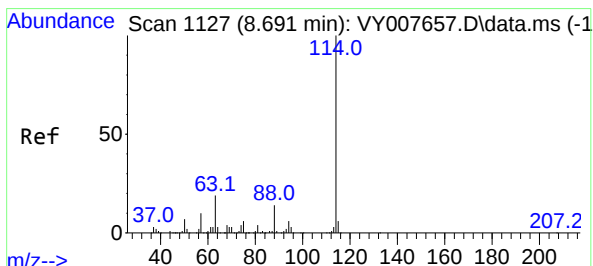
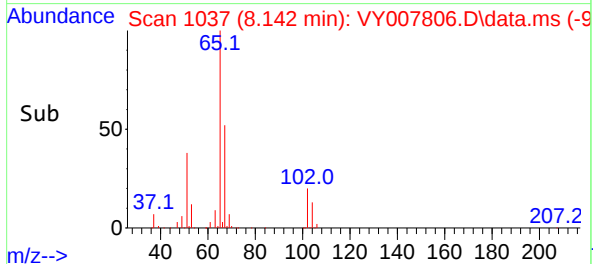
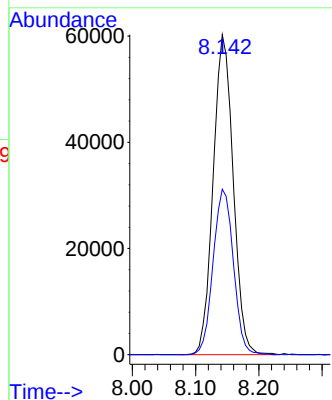
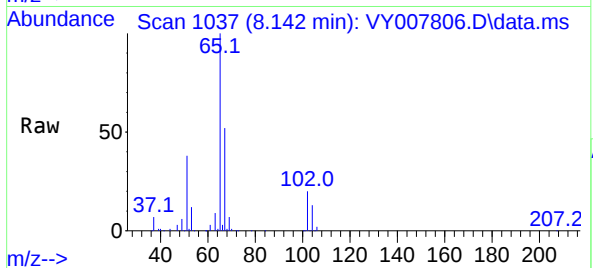
ClientSampleId :

Tgt Ion: 65 Resp: 132665

Ion Ratio Lower Upper

65 100

67 52.2 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: VY007806.D

Acq: 09 Mar 2022 17:53

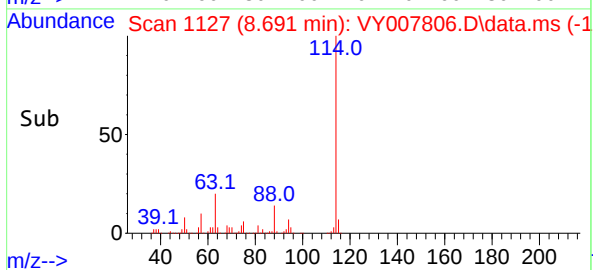
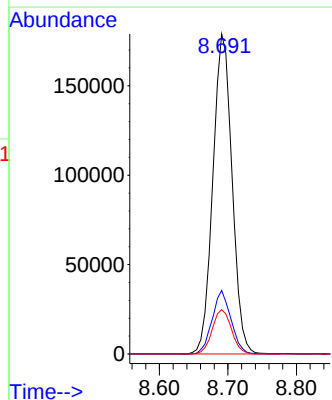
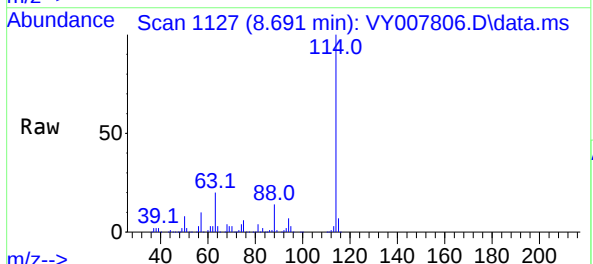
Tgt Ion: 114 Resp: 348280

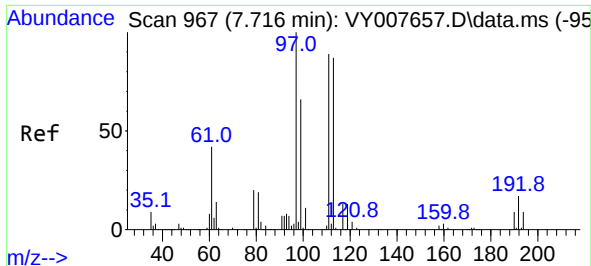
Ion Ratio Lower Upper

114 100

63 19.9 0.0 43.2

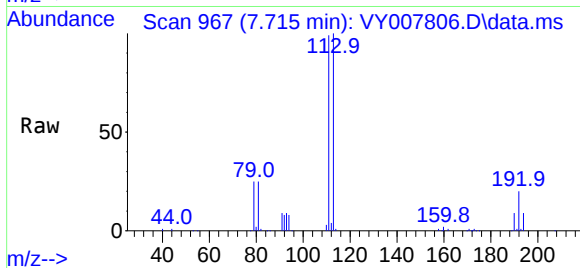
88 13.8 0.0 31.8



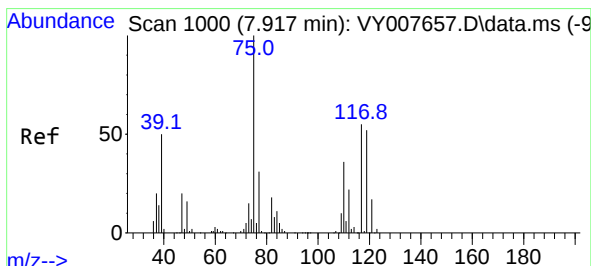
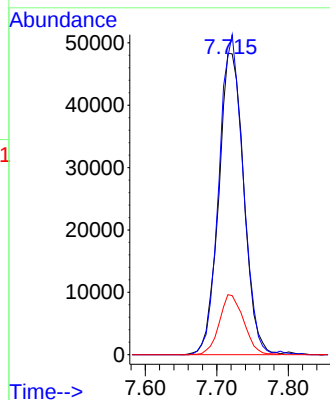
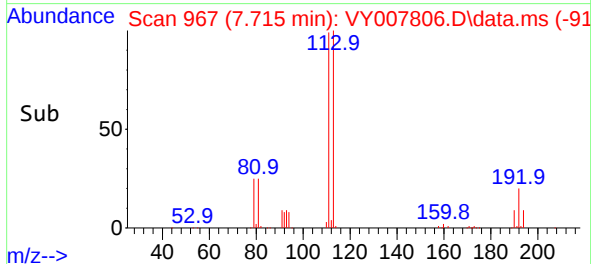


#35
Dibromofluoromethane
Concen: 53.036 ug/l
RT: 7.715 min Scan# 910
Delta R.T. -0.001 min
Lab File: VY007806.D
Acq: 09 Mar 2022 17:53

Instrument :
MSVOA_Y
ClientSampleId :

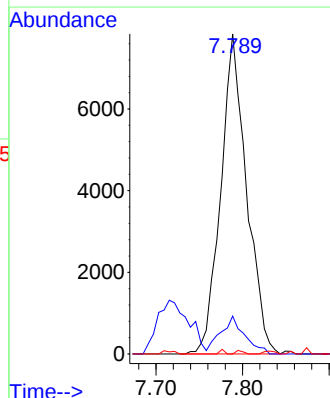
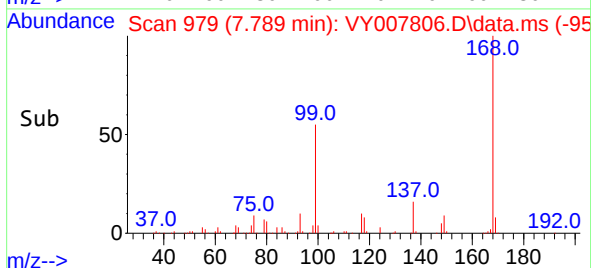
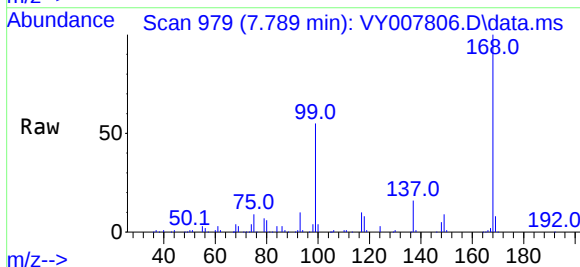


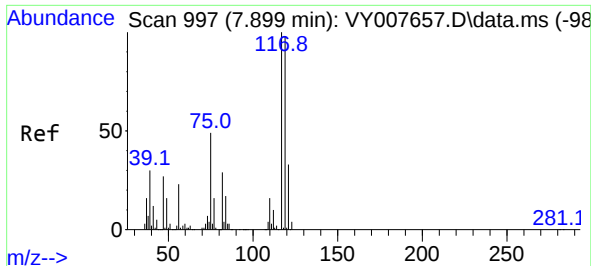
Tgt Ion:113 Resp: 118093
Ion Ratio Lower Upper
113 100
111 101.8 82.6 124.0
192 19.3 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.634 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY007806.D
Acq: 09 Mar 2022 17:53

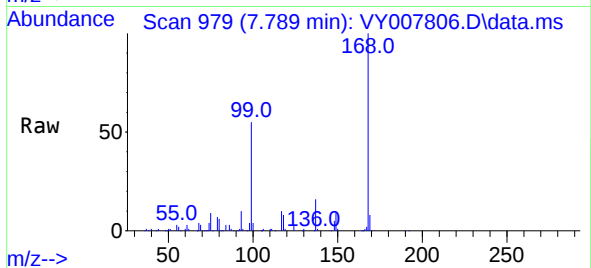
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Ion Ratio Lower Upper
75 100
110 11.0 17.1 51.2#
77 0.3 24.4 36.6#



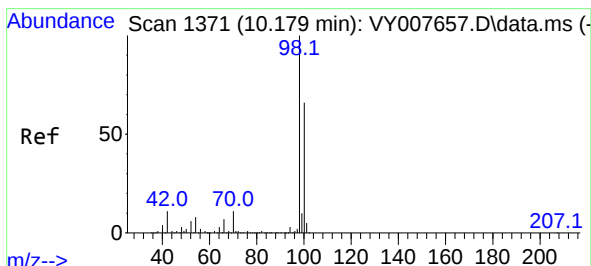
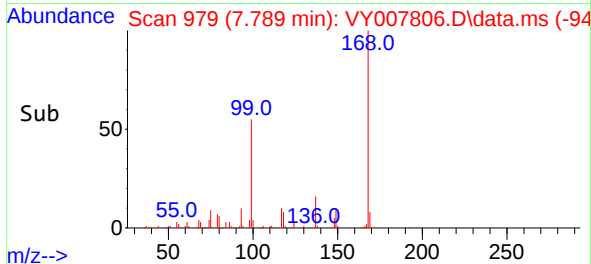
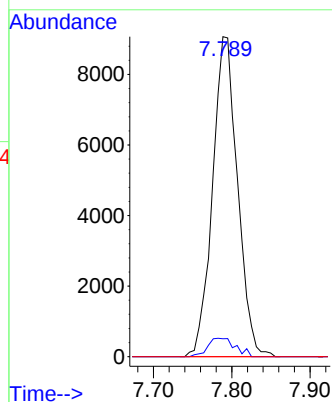


#38
Carbon Tetrachloride
Concen: 5.383 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY007806.D
Acq: 09 Mar 2022 17:53

Instrument :
MSVOA_Y
ClientSampleId :

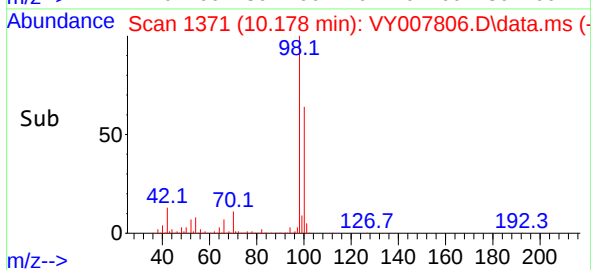
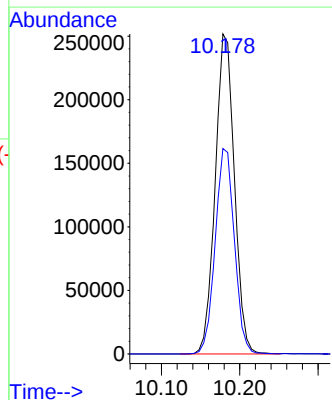
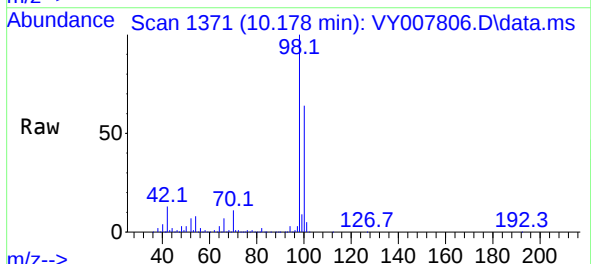


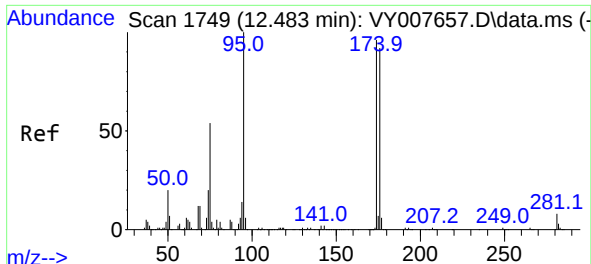
Tgt Ion:117 Resp: 20114
Ion Ratio Lower Upper
117 100
119 5.6 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 52.308 ug/l
RT: 10.178 min Scan# 1371
Delta R.T. -0.001 min
Lab File: VY007806.D
Acq: 09 Mar 2022 17:53

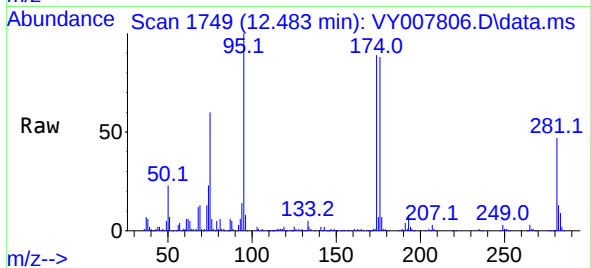
Tgt Ion: 98 Resp: 428739
Ion Ratio Lower Upper
98 100
100 64.3 50.2 75.2



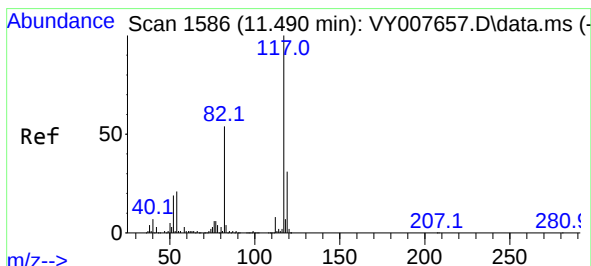
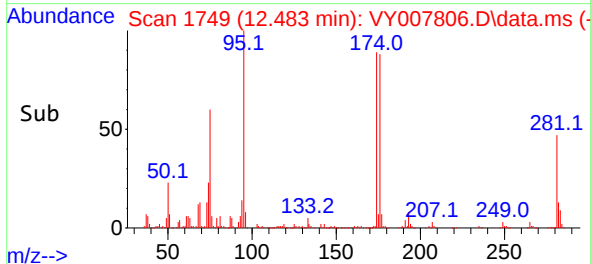
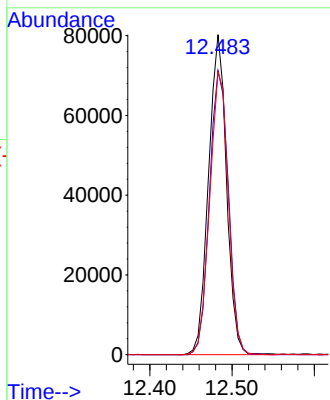


#62
4-Bromofluorobenzene
Concen: 46.317 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY007806.D
Acq: 09 Mar 2022 17:53

Instrument :
MSVOA_Y
ClientSampleId :

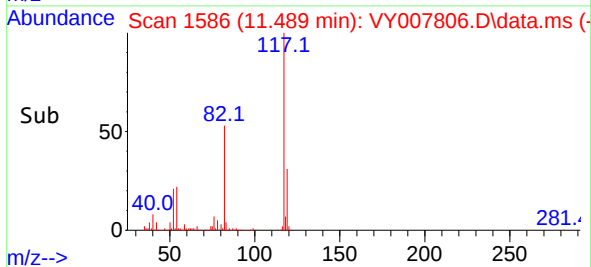
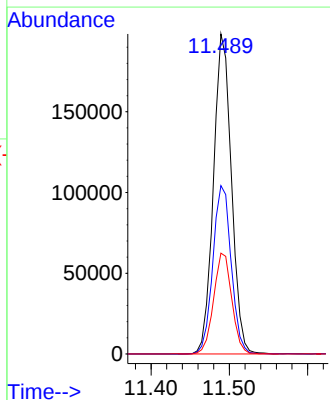
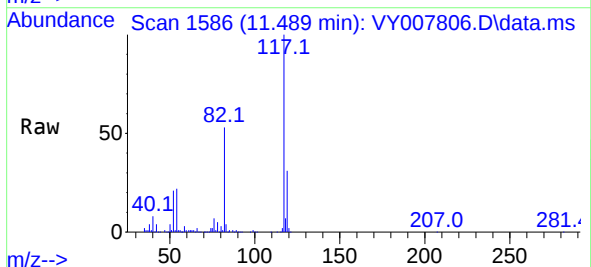


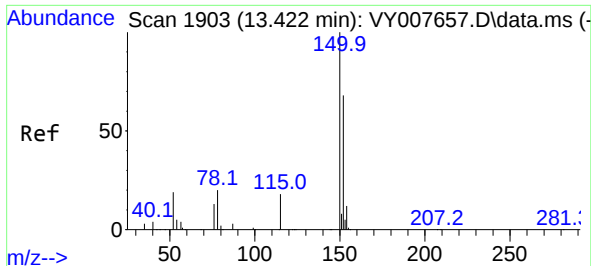
Tgt Ion: 95 Resp: 122373
Ion Ratio Lower Upper
95 100
174 93.1 0.0 177.0
176 91.0 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY007806.D
Acq: 09 Mar 2022 17:53

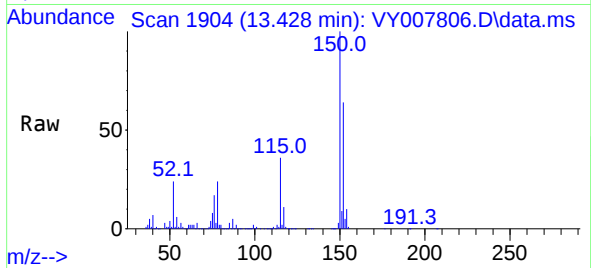
Tgt Ion: 117 Resp: 316402
Ion Ratio Lower Upper
117 100
82 52.6 43.0 64.4
119 31.5 25.4 38.0



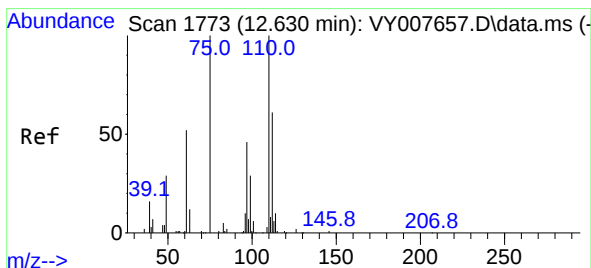
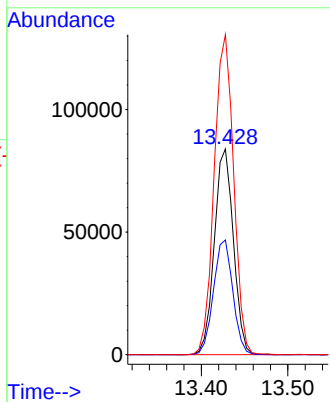
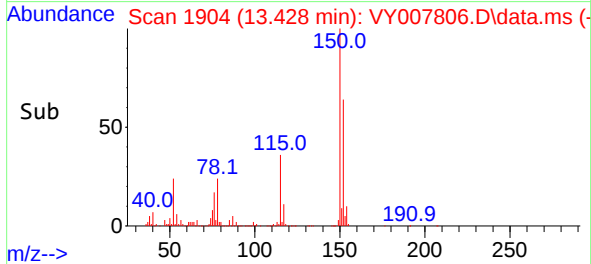


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1903
 Delta R.T. 0.006 min
 Lab File: VY007806.D
 Acq: 09 Mar 2022 17:53

Instrument :
 MSVOA_Y
 ClientSampleId :

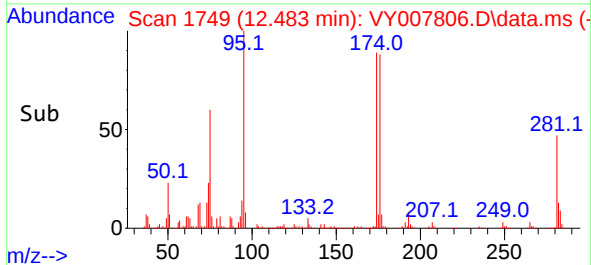
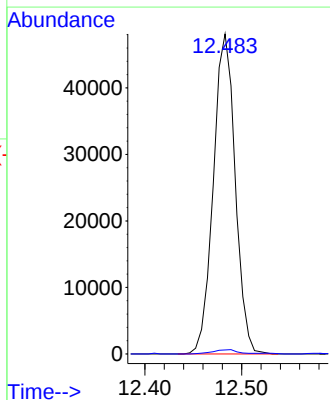
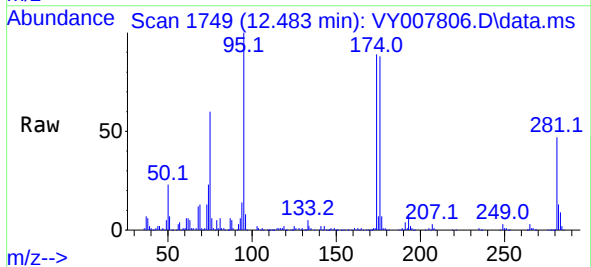


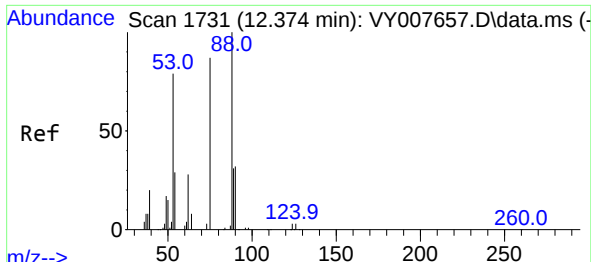
Tgt Ion:152 Resp: 128571
 Ion Ratio Lower Upper
 152 100
 115 56.6 28.2 84.7
 150 158.6 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 52.553 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.147 min
 Lab File: VY007806.D
 Acq: 09 Mar 2022 17:53

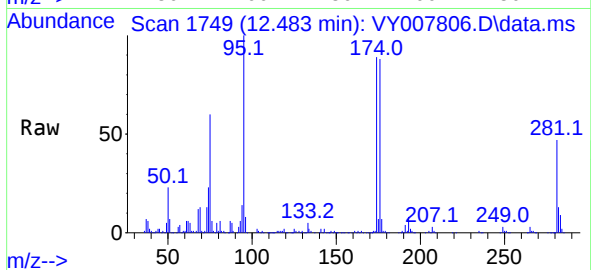
Tgt Ion: 75 Resp: 75457
 Ion Ratio Lower Upper
 75 100
 77 1.6 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 107.437 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.109 min
Lab File: VY007806.D
Acq: 09 Mar 2022 17:53

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 75 Resp: 75457
Ion Ratio Lower Upper
75 100
53 0.2 85.3 127.9#
89 0.7 37.0 55.4#

