

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110422\
 Data File : VY011310.D
 Acq On : 04 Nov 2022 20:10
 Operator : KP/MD
 Sample : N5436-01
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 07 01:55:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y110122S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 01 11:56:18 2022
 Response via : Initial Calibration

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

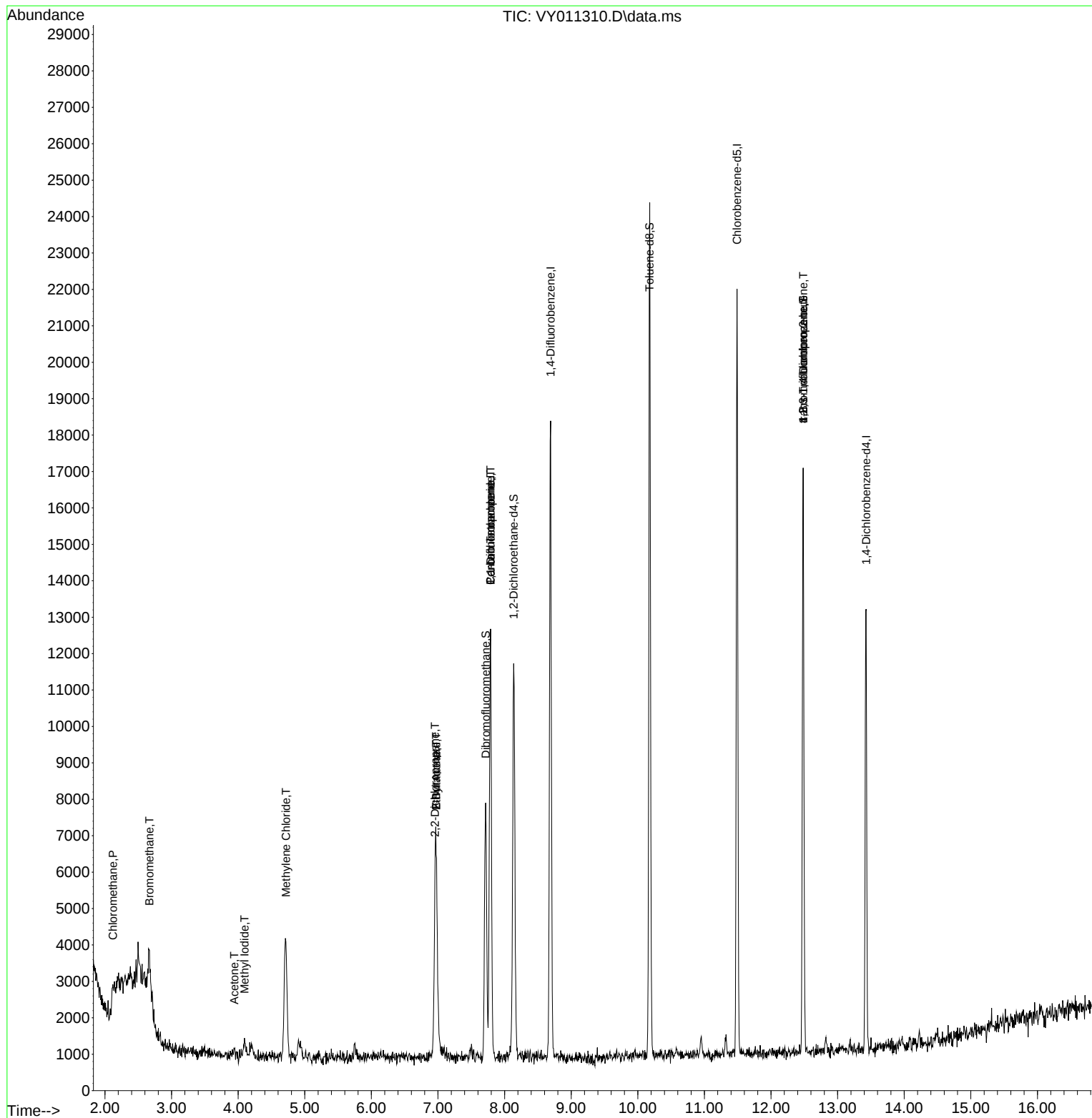
Internal Standards						
1) Pentafluorobenzene	7.789	168	9481	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	15380	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	12617	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	3652	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	8286	81.716	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 163.440%#		
35) Dibromofluoromethane	7.716	113	5175	52.370	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 104.740%		
50) Toluene-d8	10.179	98	16571	43.192	ug/l	0.00
Spiked Amount	50.000	Range 49 - 140	Recovery	= 86.380%		
62) 4-Bromofluorobenzene	12.483	95	5262	39.507	ug/l	0.00
Spiked Amount	50.000	Range 25 - 144	Recovery	= 79.020%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.119	50	230	2.188	ug/l #	44
5) Bromomethane	2.668	94	390	4.978	ug/l	90
10) Methyl Iodide	4.095	142	758	5.645	ug/l #	56
11) Tert butyl alcohol	4.936	59	336	Below Cal	#	77
16) Acetone	3.942	43	353	11.533	ug/l #	89
20) Methylene Chloride	4.716	84	2813	19.394	ug/l #	71
25) 2-Butanone	6.972	43	266	6.176	ug/l #	54
26) 2,2-Dichloropropane	6.954	77	505	2.723	ug/l #	55
36) 1,1-Dichloropropene	7.789	75	674	4.177	ug/l #	42
37) Ethyl Acetate	6.972	43	266	3.058	ug/l #	1
38) Carbon Tetrachloride	7.789	117	899	5.370	ug/l #	11
76) 1,2,3-Trichloropropane	12.483	75	2489	55.983	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	2489	119.811	ug/l #	7

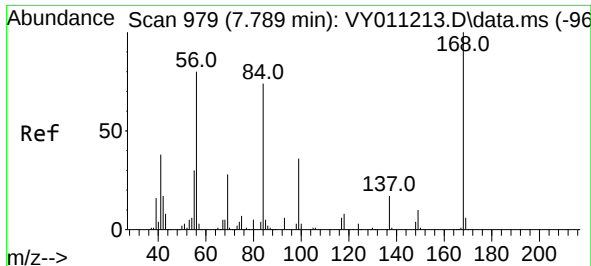
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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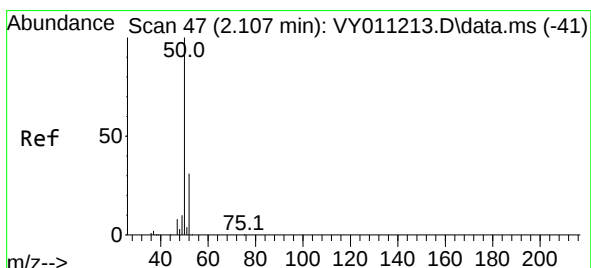
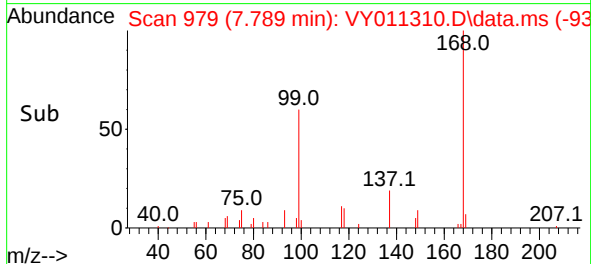
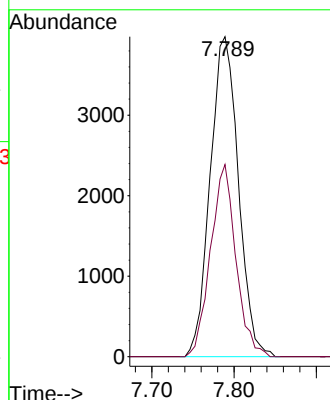
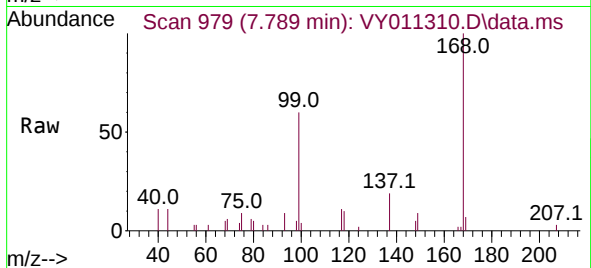




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011310.D
Acq: 04 Nov 2022 20:10

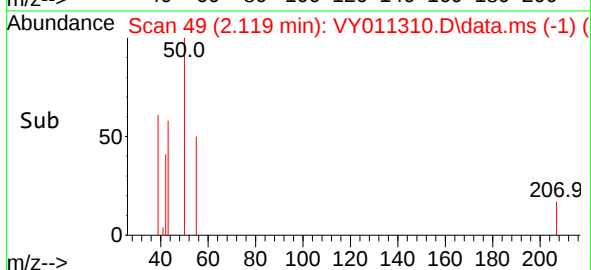
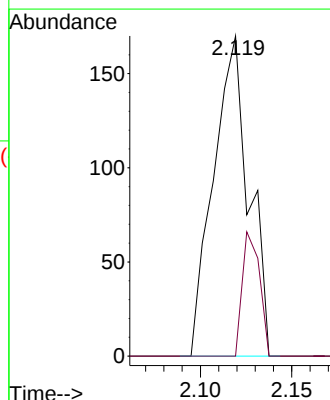
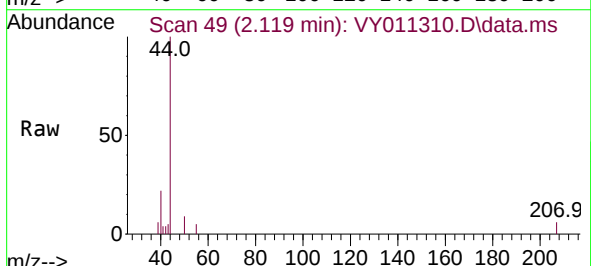
Instrument :
MSVOA_Y
ClientSampleId :

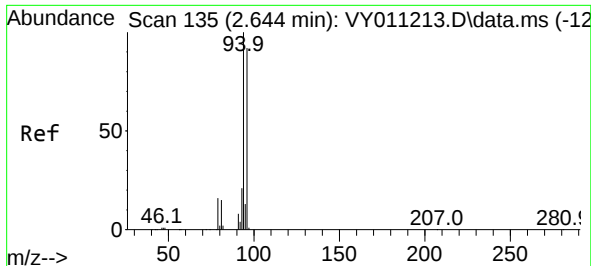
Tgt Ion:168 Resp: 9481
Ion Ratio Lower Upper
168 100
99 60.1 46.9 70.3



#3
Chloromethane
Concen: 2.188 ug/l
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY011310.D
Acq: 04 Nov 2022 20:10

Tgt Ion: 50 Resp: 230
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#

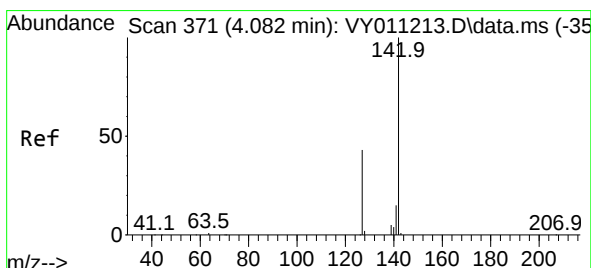
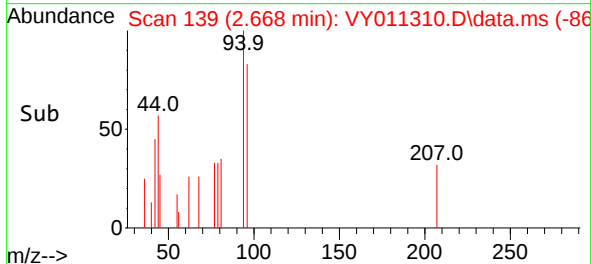
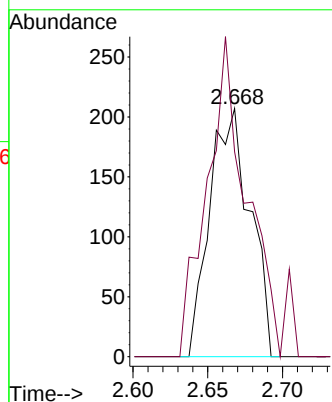
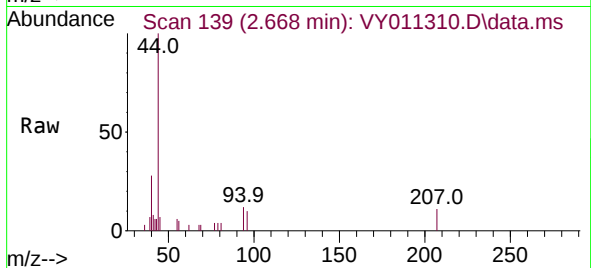




#5
Bromomethane
Concen: 4.978 ug/l
RT: 2.668 min Scan# 11
Delta R.T. 0.024 min
Lab File: VY011310.D
Acq: 04 Nov 2022 20:10

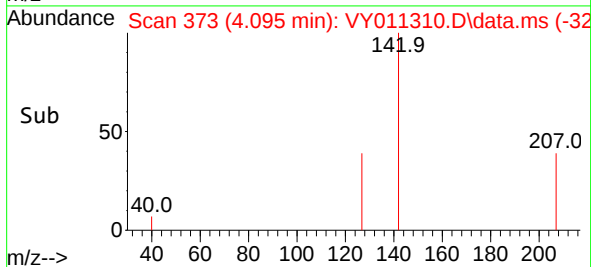
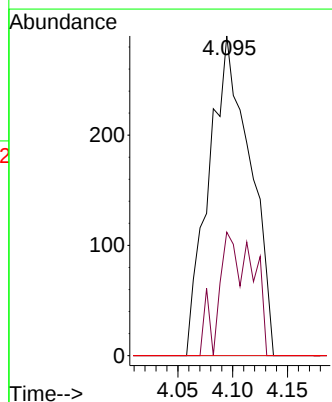
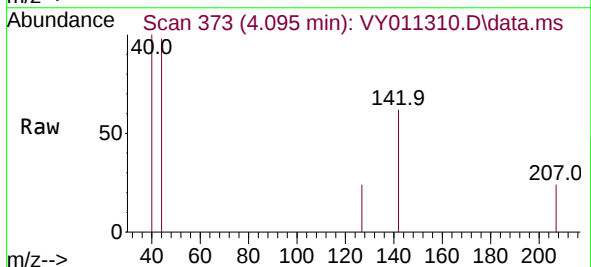
Instrument :
MSVOA_Y
ClientSampleId :

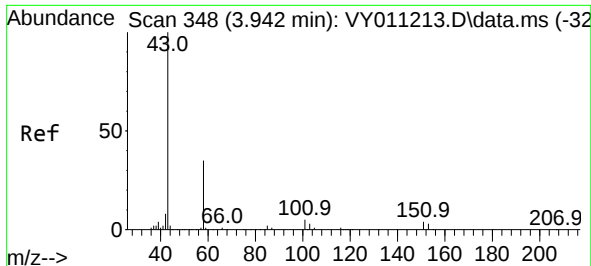
Tgt Ion: 94 Resp: 390
Ion Ratio Lower Upper
94 100
96 82.6 73.5 110.3



#10
Methyl Iodide
Concen: 5.645 ug/l
RT: 4.095 min Scan# 373
Delta R.T. 0.006 min
Lab File: VY011310.D
Acq: 04 Nov 2022 20:10

Tgt Ion:142 Resp: 758
Ion Ratio Lower Upper
142 100
127 19.4 41.5 62.3#
141 0.0 11.9 17.9#

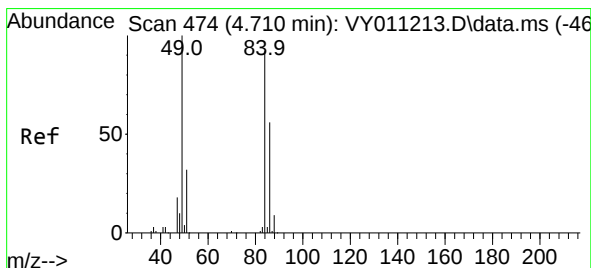
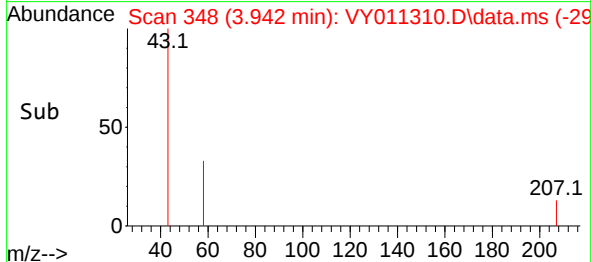
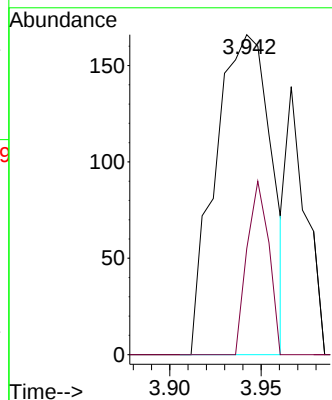
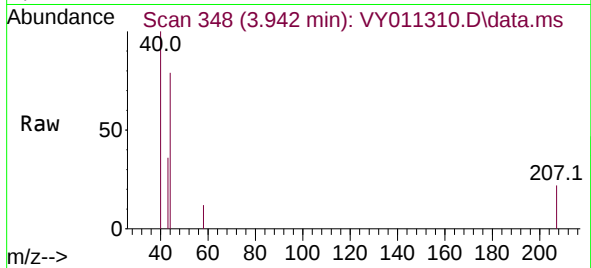




#16
Acetone
Concen: 11.533 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY011310.D
Acq: 04 Nov 2022 20:10

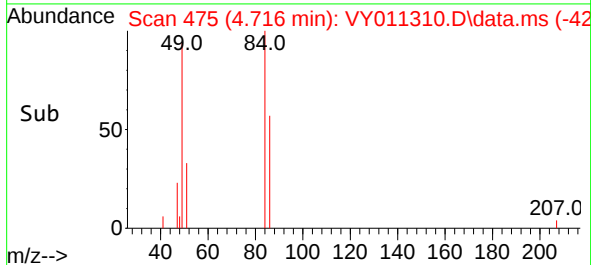
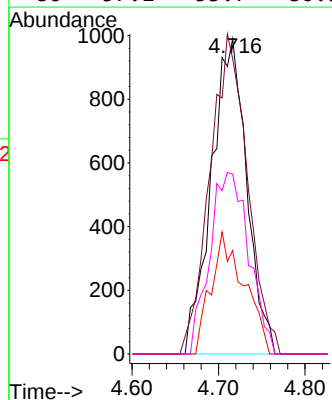
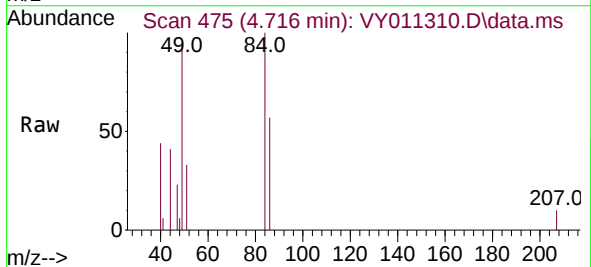
Instrument :
MSVOA_Y
ClientSampleId :

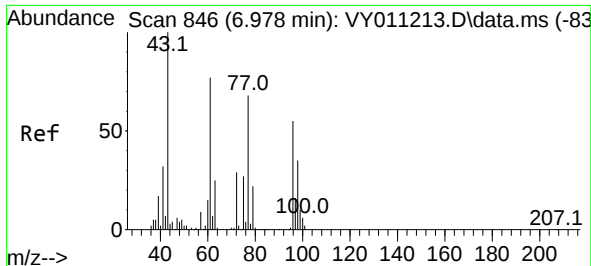
Tgt Ion: 43 Resp: 353
Ion Ratio Lower Upper
43 100
58 33.1 22.0 33.0#



#20
Methylene Chloride
Concen: 19.394 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.006 min
Lab File: VY011310.D
Acq: 04 Nov 2022 20:10

Tgt Ion: 84 Resp: 2813
Ion Ratio Lower Upper
84 100
49 93.6 114.4 171.6#
51 32.8 35.3 52.9#
86 57.1 53.7 80.5





#25

2-Butanone

Concen: 6.176 ug/l

RT: 6.972 min Scan# 84

Delta R.T. -0.006 min

Lab File: VY011310.D

Acq: 04 Nov 2022 20:10

Instrument :

MSVOA_Y

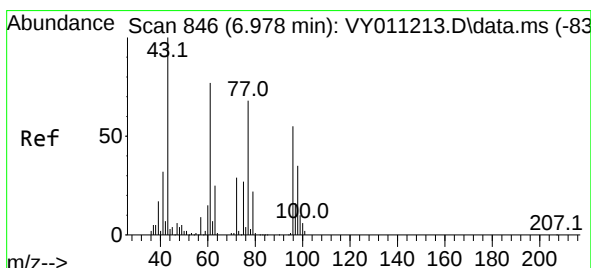
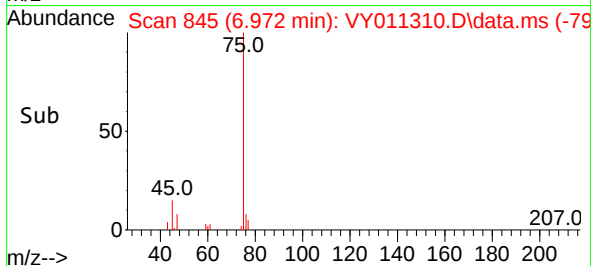
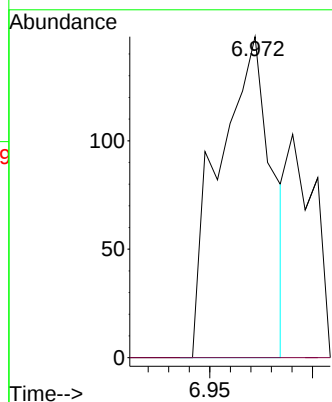
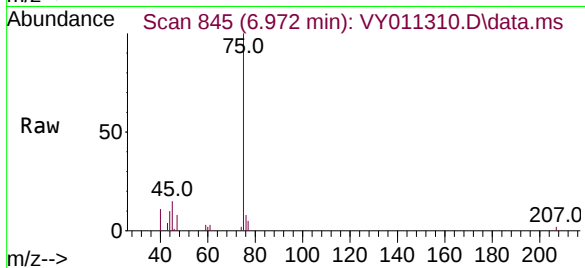
ClientSampleId :

Tgt Ion: 43 Resp: 266

Ion Ratio Lower Upper

43 100

72 0.0 17.7 26.5#



#26

2,2-Dichloropropane

Concen: 2.723 ug/l

RT: 6.954 min Scan# 842

Delta R.T. -0.024 min

Lab File: VY011310.D

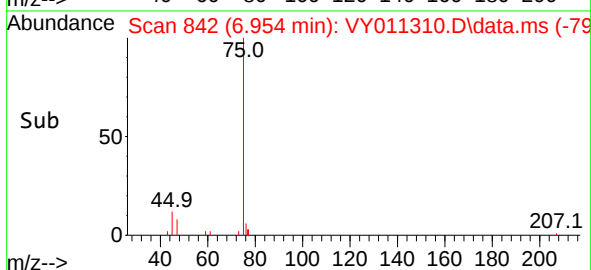
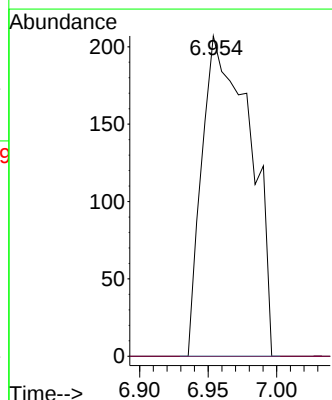
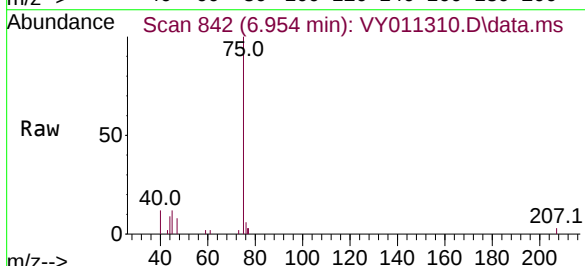
Acq: 04 Nov 2022 20:10

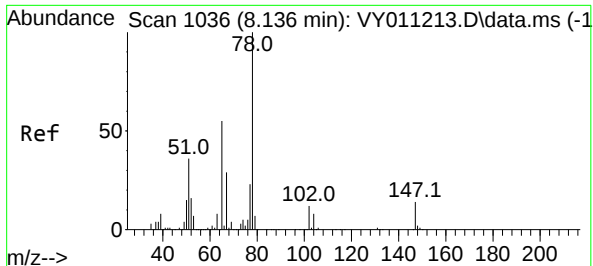
Tgt Ion: 77 Resp: 505

Ion Ratio Lower Upper

77 100

97 0.0 10.4 31.4#





#33

1,2-Dichloroethane-d4

Concen: 81.716 ug/l

RT: 8.136 min Scan# 110

Delta R.T. 0.000 min

Lab File: VY011310.D

Acq: 04 Nov 2022 20:10

Instrument :

MSVOA_Y

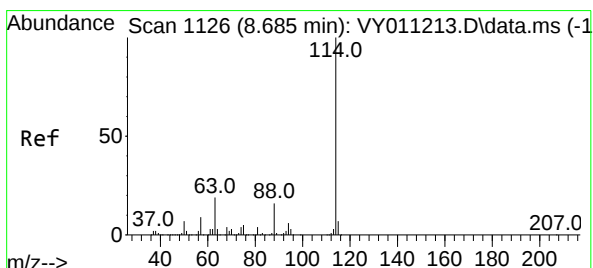
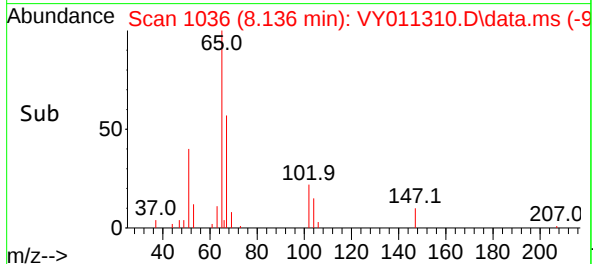
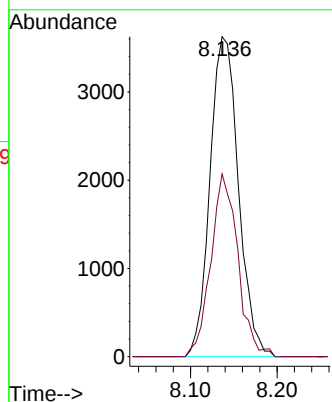
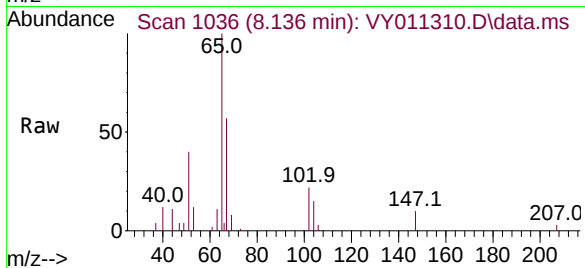
ClientSampleId :

Tgt Ion: 65 Resp: 8286

Ion Ratio Lower Upper

65 100

67 54.2 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY011310.D

Acq: 04 Nov 2022 20:10

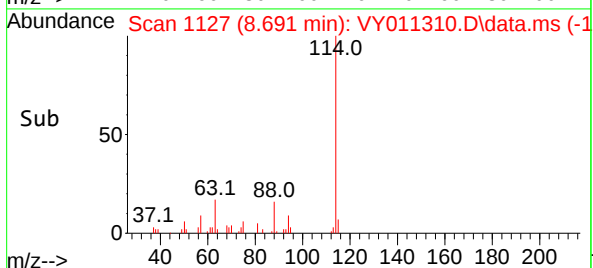
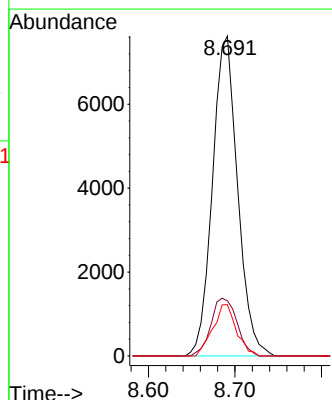
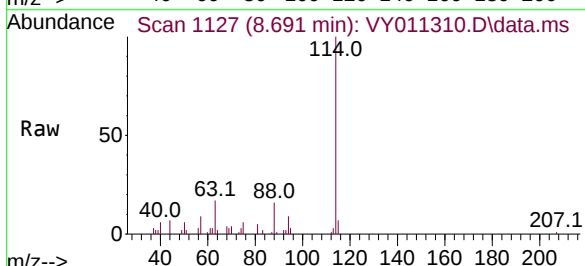
Tgt Ion: 114 Resp: 15380

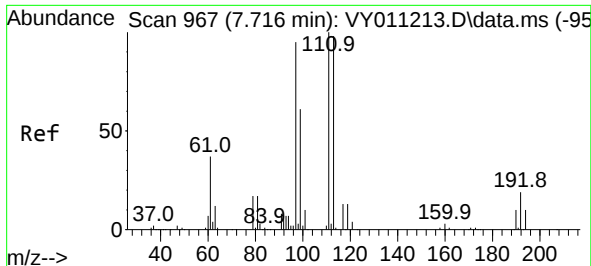
Ion Ratio Lower Upper

114 100

63 17.2 0.0 43.2

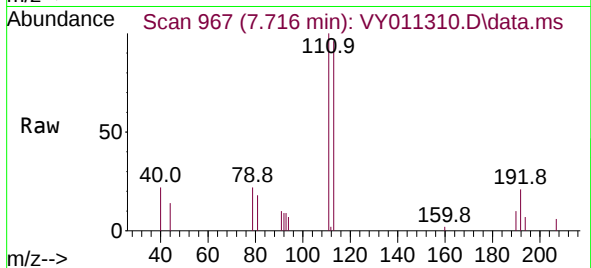
88 16.0 0.0 31.8



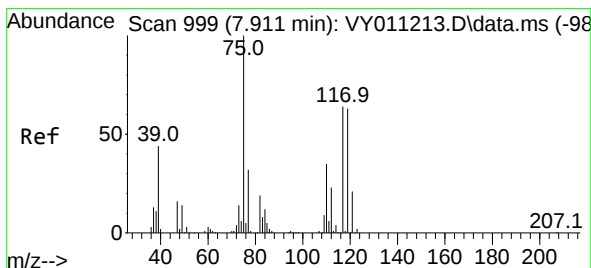
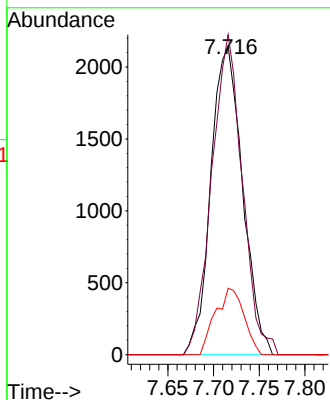
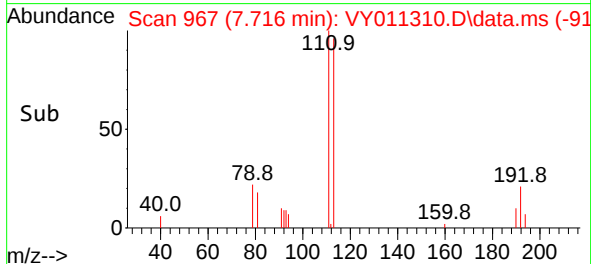


#35
Dibromofluoromethane
Concen: 52.370 ug/l
RT: 7.716 min Scan# 910
Delta R.T. 0.006 min
Lab File: VY011310.D
Acq: 04 Nov 2022 20:10

Instrument :
MSVOA_Y
ClientSampleId :

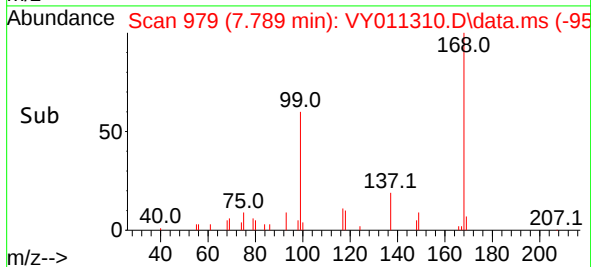
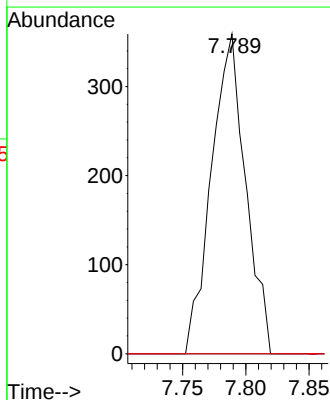
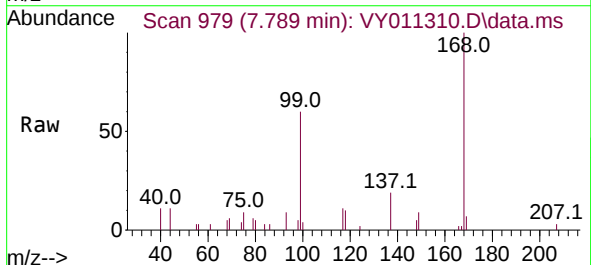


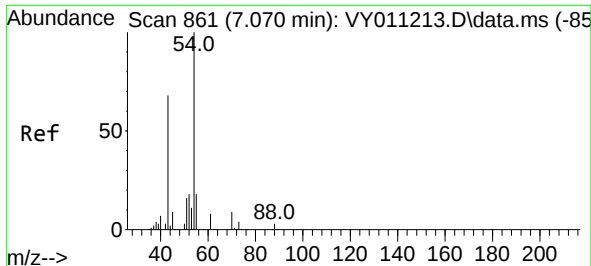
Tgt Ion:113 Resp: 5175
Ion Ratio Lower Upper
113 100
111 99.8 82.6 124.0
192 19.3 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.177 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY011310.D
Acq: 04 Nov 2022 20:10

Tgt Ion: 75 Resp: 674
Ion Ratio Lower Upper
75 100
110 0.0 17.1 51.2#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 3.058 ug/l

RT: 6.972 min Scan# 84

Delta R.T. -0.098 min

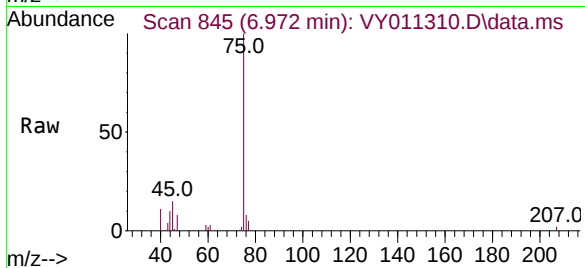
Lab File: VY011310.D

Acq: 04 Nov 2022 20:10

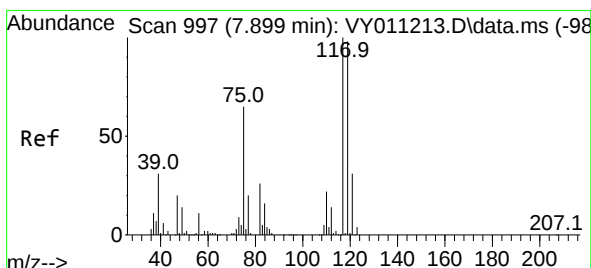
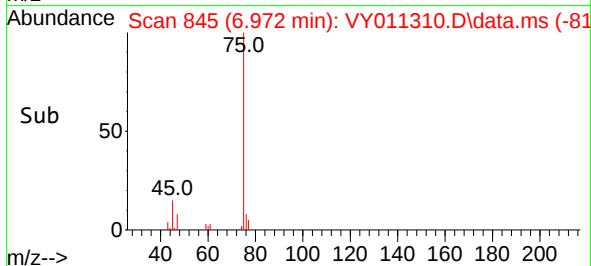
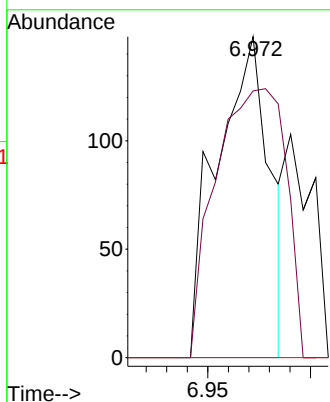
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	43	Resp:	266
Ion	Ratio	Lower	Upper
43	100		
61	110.9	9.7	14.5#
70	0.0	7.1	10.7#



#38

Carbon Tetrachloride

Concen: 5.370 ug/l

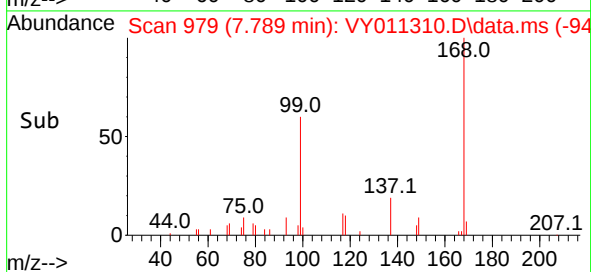
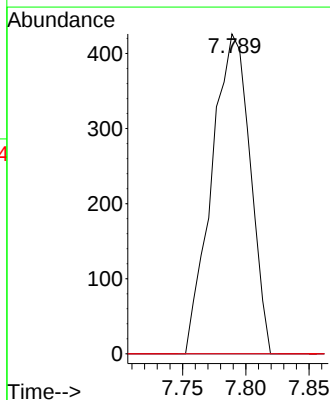
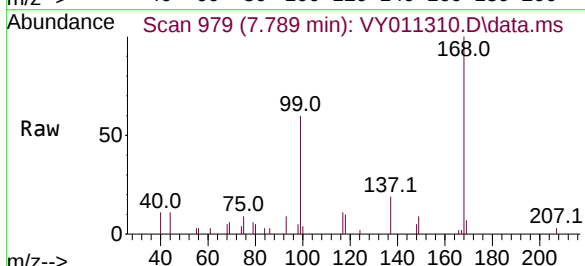
RT: 7.789 min Scan# 979

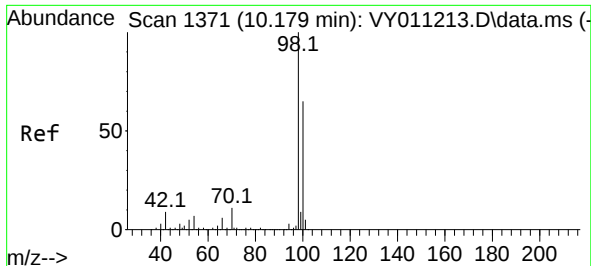
Delta R.T. -0.110 min

Lab File: VY011310.D

Acq: 04 Nov 2022 20:10

Tgt Ion:	117	Resp:	899
Ion	Ratio	Lower	Upper
117	100		
119	0.0	77.9	116.9#
121	0.0	24.8	37.2#

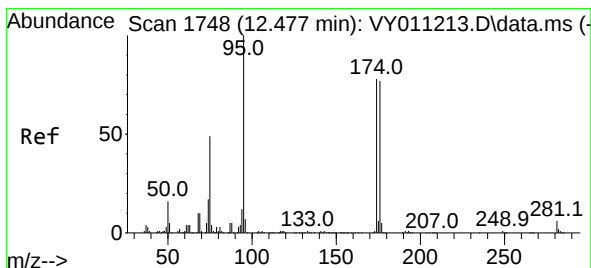
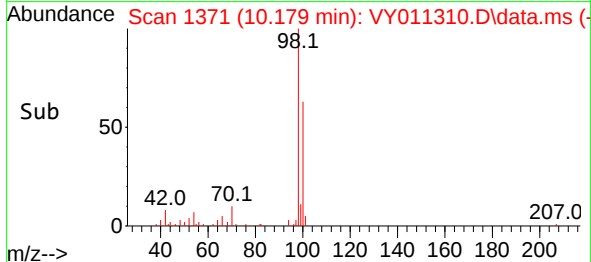
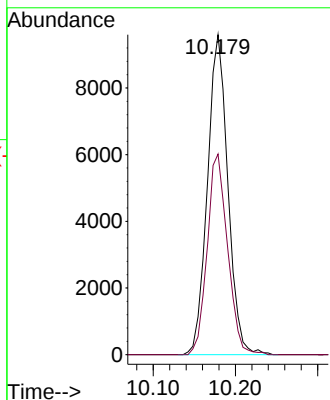
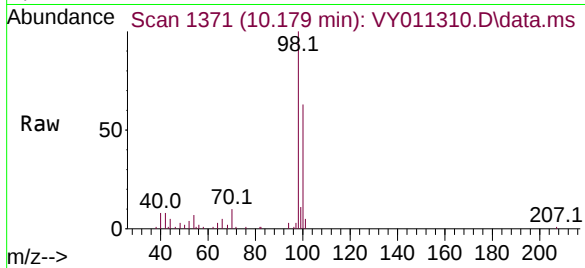




#50
Toluene-d8
Concen: 43.192 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011310.D
Acq: 04 Nov 2022 20:10

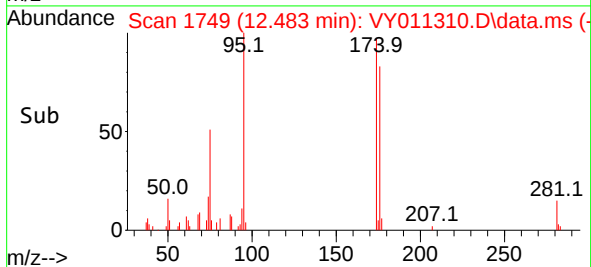
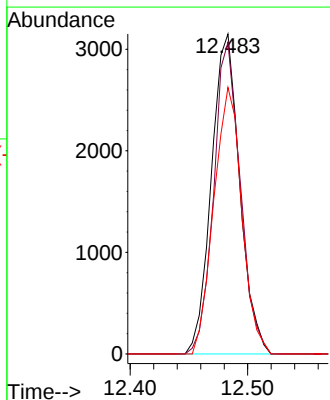
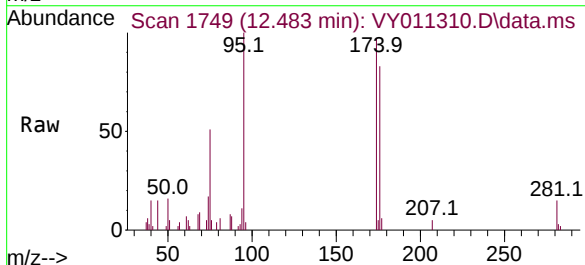
Instrument :
MSVOA_Y
ClientSampleId :

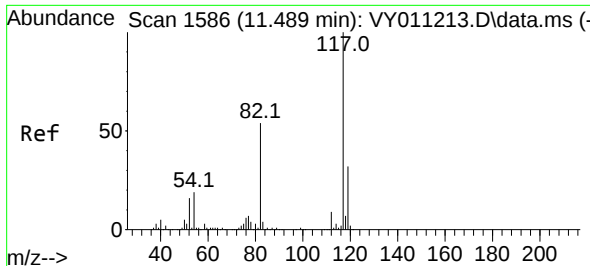
Tgt Ion: 98 Resp: 16571
Ion Ratio Lower Upper
98 100
100 62.5 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 39.507 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011310.D
Acq: 04 Nov 2022 20:10

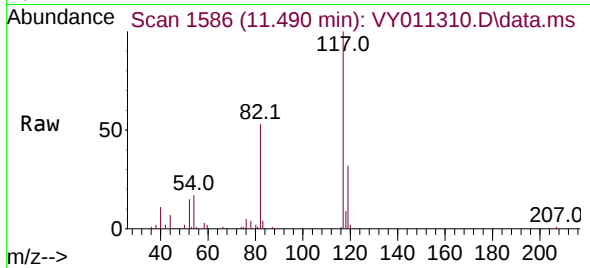
Tgt Ion: 95 Resp: 5262
Ion Ratio Lower Upper
95 100
174 91.4 0.0 177.0
176 82.3 0.0 175.8



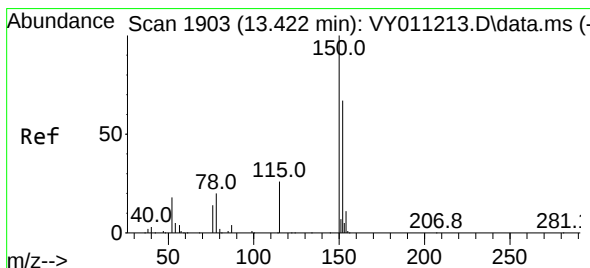
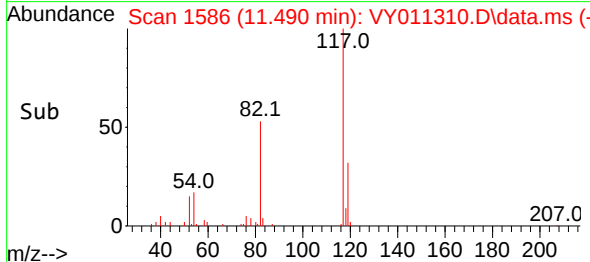
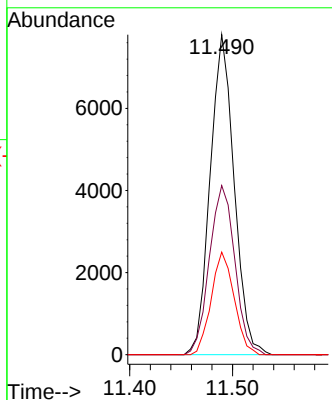


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011310.D
Acq: 04 Nov 2022 20:10

Instrument :
MSVOA_Y
ClientSampleId :

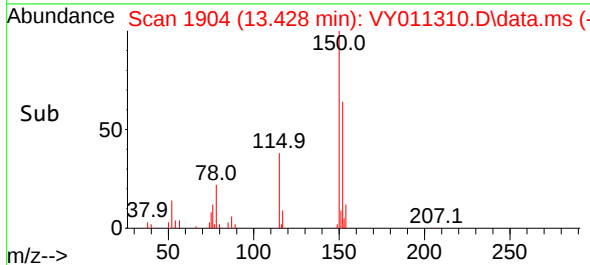
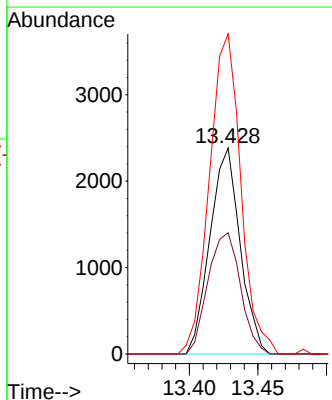
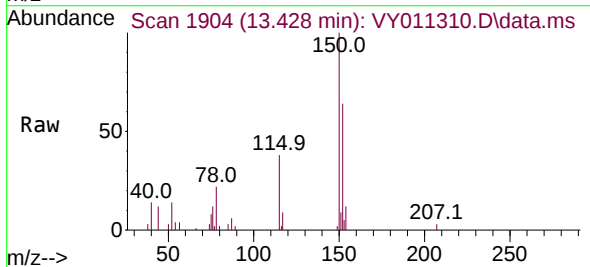


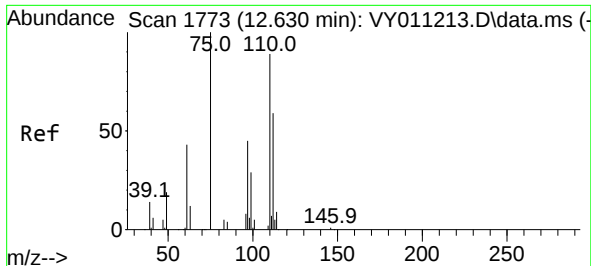
Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.9	43.0	64.4
119	32.1	25.4	38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY011310.D
Acq: 04 Nov 2022 20:10

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.3	28.2	84.7
150	161.4	0.0	347.6

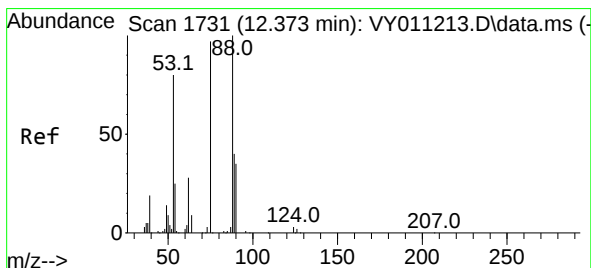
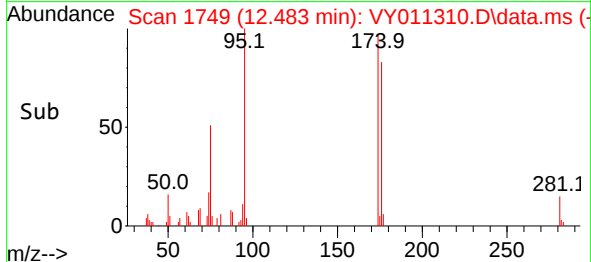
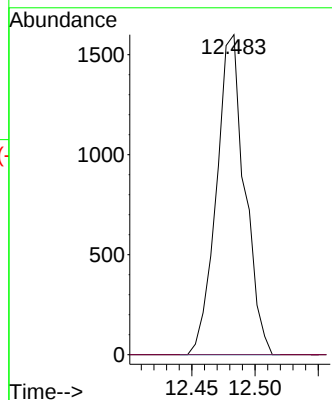
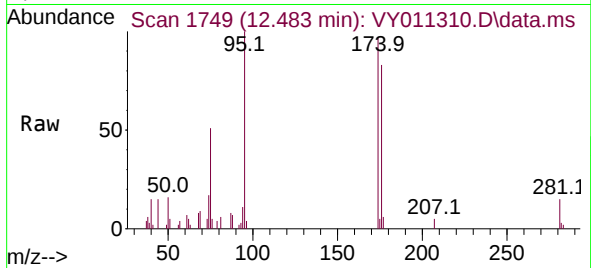




#76
1,2,3-Trichloropropane
Concen: 55.983 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY011310.D
Acq: 04 Nov 2022 20:10

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 2489
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 119.811 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY011310.D
Acq: 04 Nov 2022 20:10

Tgt Ion: 75 Resp: 2489
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#

