

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY110422\
 Data File : VY011312.D
 Acq On : 04 Nov 2022 20:55
 Operator : KP/MD
 Sample : N5436-03
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 07 01:55:43 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	7.795	168	1998	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.691	114	3123	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	2236	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.434	152	343	50.000	ug/l	0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	1252	58.590	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	117.180%
35) Dibromofluoromethane	7.716	113	550	27.411	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	54.820%
50) Toluene-d8	10.179	98	2363	30.332	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	60.660%
62) 4-Bromofluorobenzene	12.483	95	672	24.847	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	49.700%

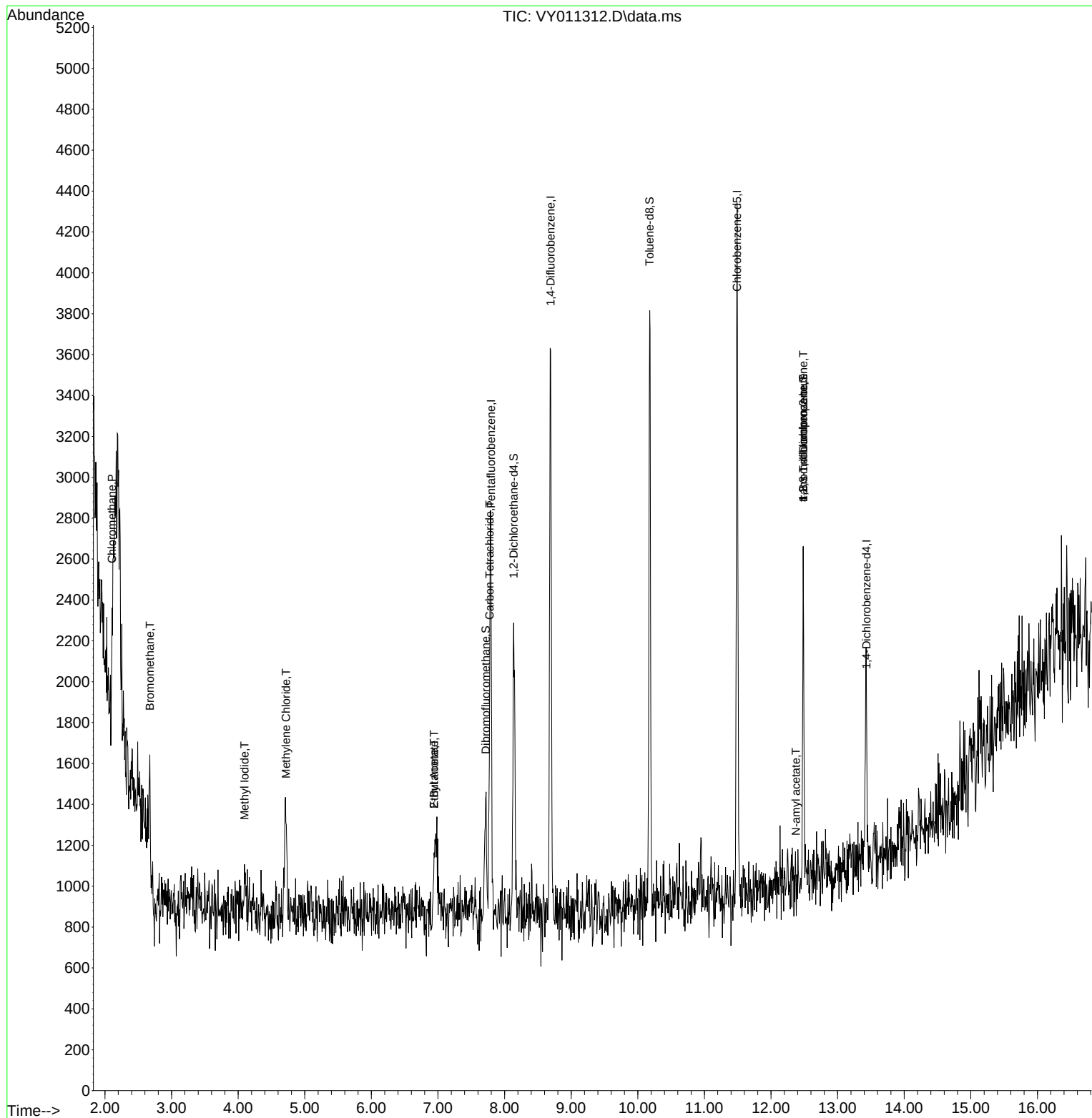
Target Compounds						Qvalue
3) Chloromethane	2.107	50	107	4.830	ug/l	# 44
5) Bromomethane	2.674	94	139	8.419	ug/l	92
10) Methyl Iodide	4.094	142	238	8.411	ug/l	# 35
20) Methylene Chloride	4.716	84	497	15.356	ug/l	# 45
25) 2-Butanone	6.942	43	18	1.983	ug/l	# 54
37) Ethyl Acetate	6.942	43	18	1.019	ug/l	# 72
38) Carbon Tetrachloride	7.777	117	105	3.089	ug/l	# 11
74) N-amyl acetate	12.373	43	19	2.951	ug/l	# 47
76) 1,2,3-Trichloropropane	12.483	75	294	70.407	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	294	150.680	ug/l	# 7

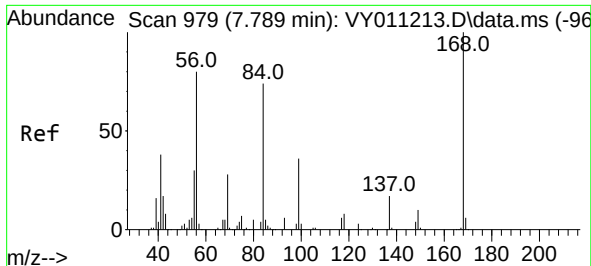
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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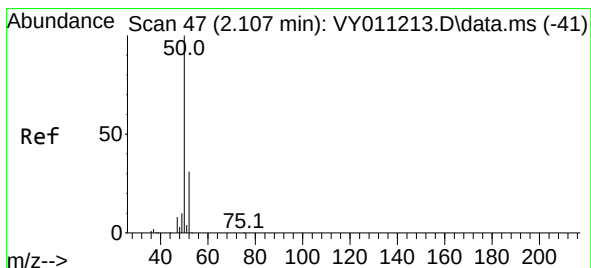
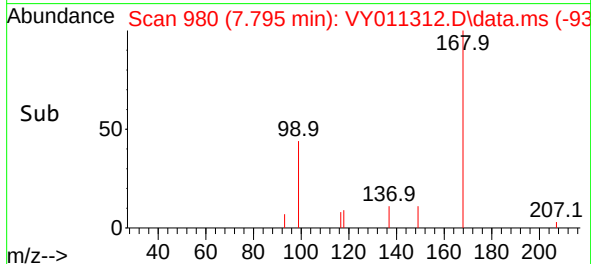
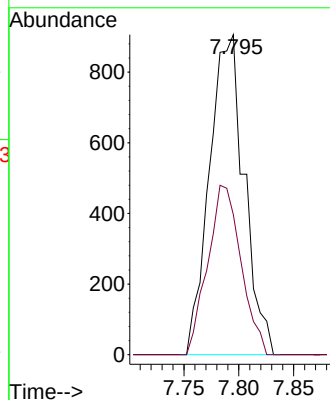
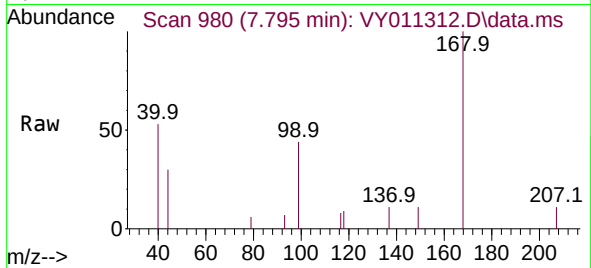




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 99
Delta R.T. 0.006 min
Lab File: VY011312.D
Acq: 04 Nov 2022 20:55

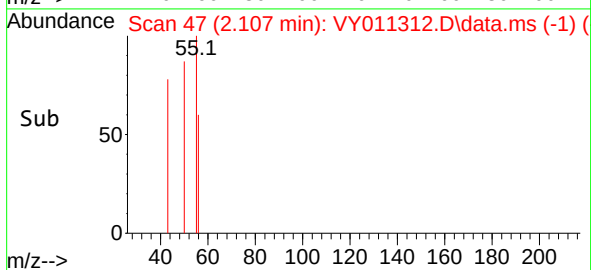
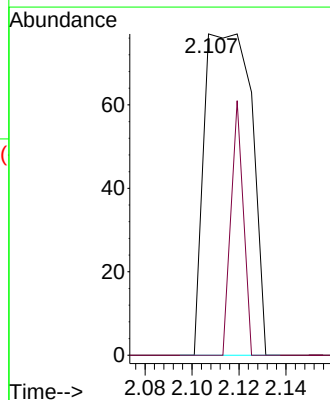
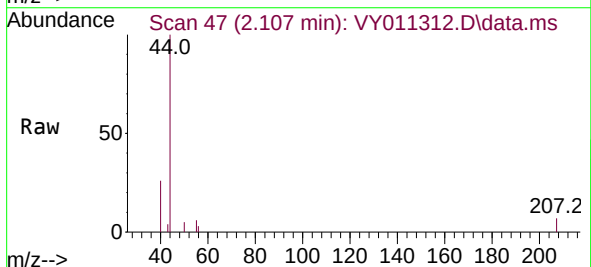
Instrument :
MSVOA_Y
ClientSampleId :

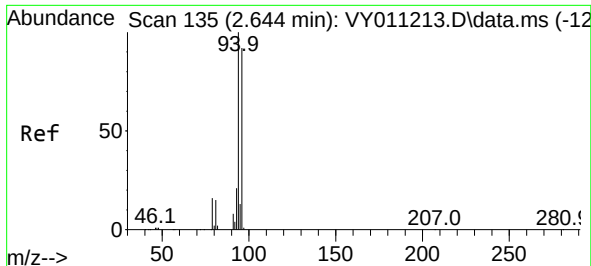
Tgt Ion:168 Resp: 1998
Ion Ratio Lower Upper
168 100
99 43.8 46.9 70.3#



#3
Chloromethane
Concen: 4.830 ug/l
RT: 2.107 min Scan# 47
Delta R.T. -0.006 min
Lab File: VY011312.D
Acq: 04 Nov 2022 20:55

Tgt Ion: 50 Resp: 107
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#





#5

Bromomethane

Concen: 8.419 ug/l

RT: 2.674 min Scan# 14

Delta R.T. 0.030 min

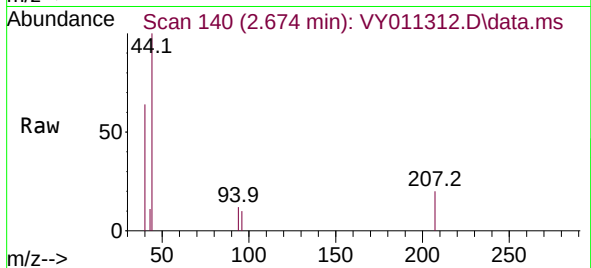
Lab File: VY011312.D

Acq: 04 Nov 2022 20:55

Instrument :

MSVOA_Y

ClientSampleId :

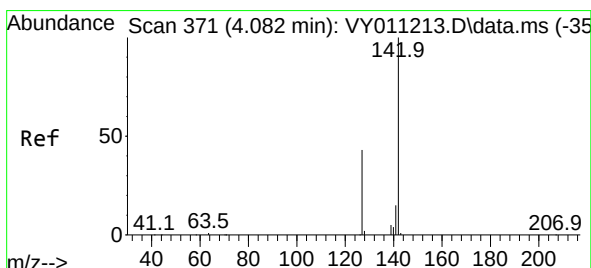
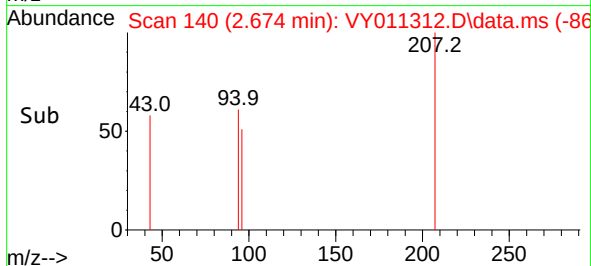
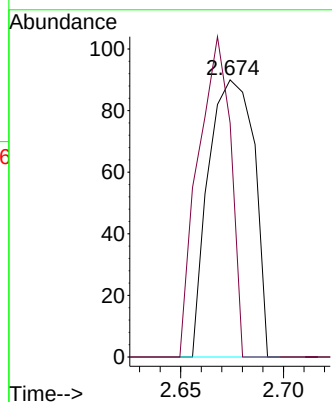


Tgt Ion: 94 Resp: 139

Ion Ratio Lower Upper

94 100

96 84.4 73.5 110.3



#10

Methyl Iodide

Concen: 8.411 ug/l

RT: 4.094 min Scan# 373

Delta R.T. 0.006 min

Lab File: VY011312.D

Acq: 04 Nov 2022 20:55

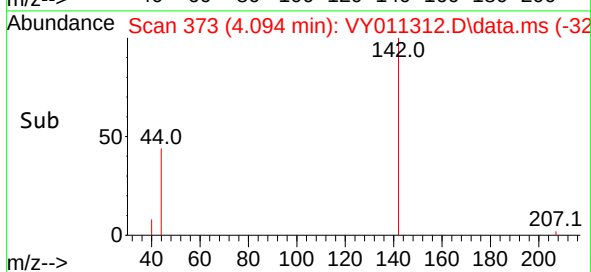
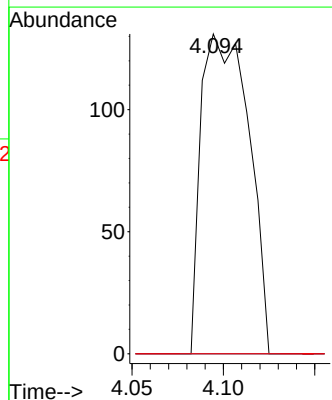
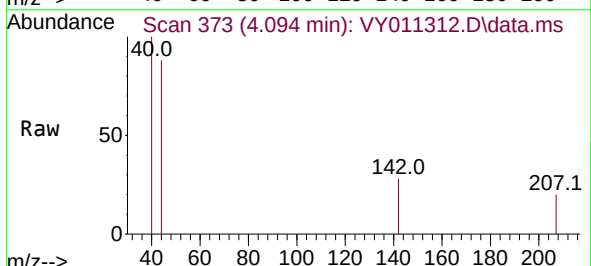
Tgt Ion:142 Resp: 238

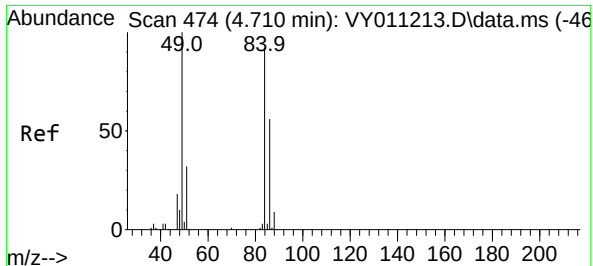
Ion Ratio Lower Upper

142 100

127 0.0 41.5 62.3#

141 0.0 11.9 17.9#





#20

Methylene Chloride

Concen: 15.356 ug/l

RT: 4.716 min Scan# 41

Delta R.T. 0.006 min

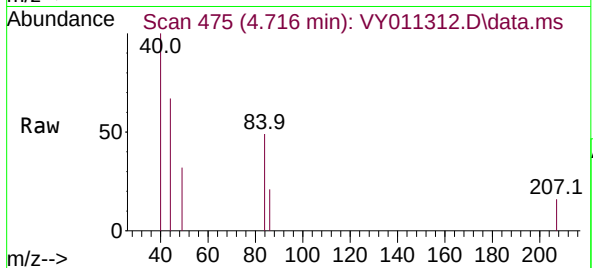
Lab File: VY011312.D

Acq: 04 Nov 2022 20:55

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 84 Resp: 497

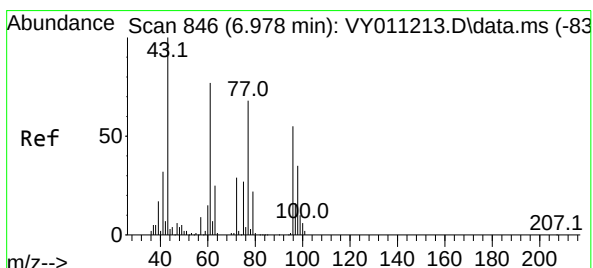
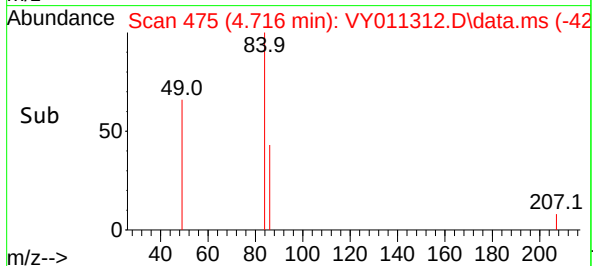
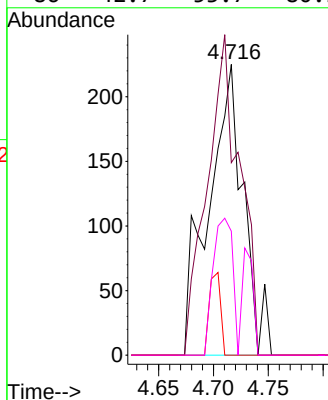
Ion Ratio Lower Upper

84 100

49 66.2 114.4 171.6#

51 0.0 35.3 52.9#

86 42.7 53.7 80.5#



#25

2-Butanone

Concen: 1.983 ug/l

RT: 6.942 min Scan# 840

Delta R.T. -0.036 min

Lab File: VY011312.D

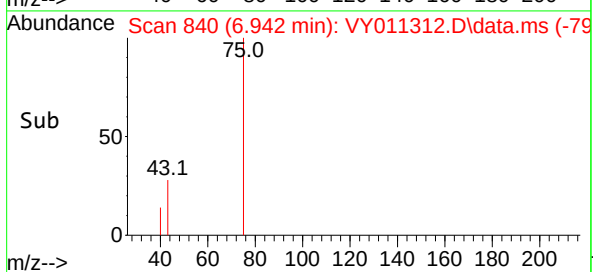
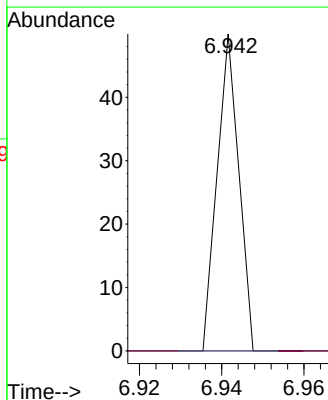
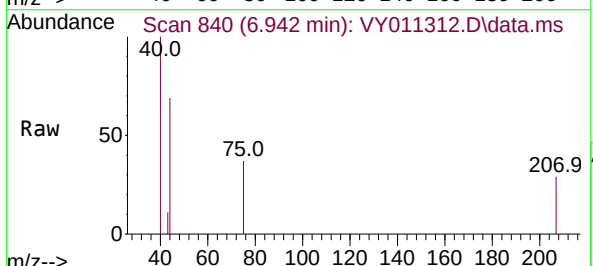
Acq: 04 Nov 2022 20:55

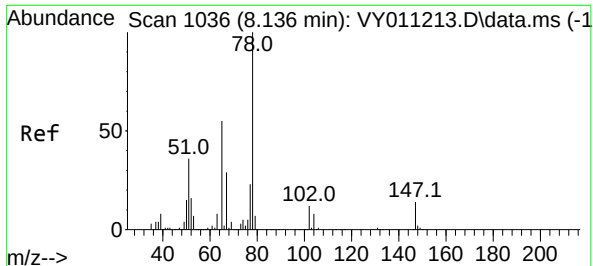
Tgt Ion: 43 Resp: 18

Ion Ratio Lower Upper

43 100

72 0.0 17.7 26.5#





#33

1,2-Dichloroethane-d4

Concen: 58.590 ug/l

RT: 8.136 min Scan# 110

Delta R.T. 0.000 min

Lab File: VY011312.D

Acq: 04 Nov 2022 20:55

Instrument :

MSVOA_Y

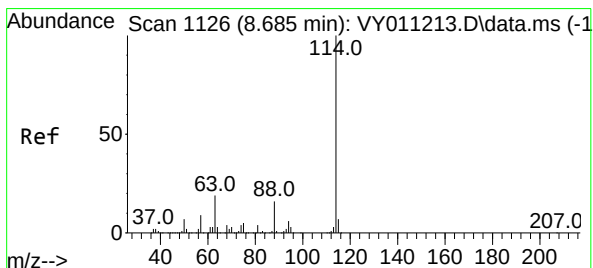
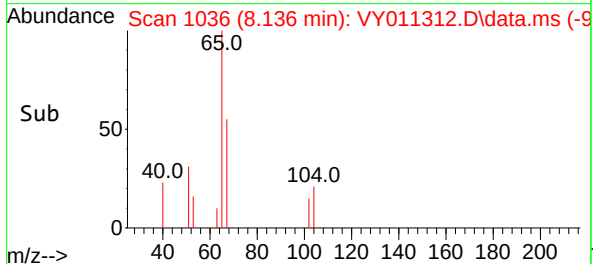
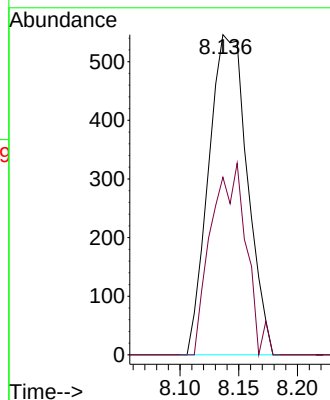
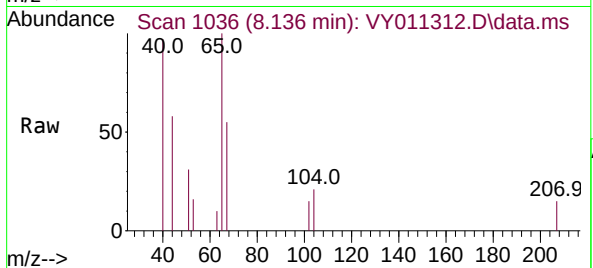
ClientSampleId :

Tgt Ion: 65 Resp: 1252

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: VY011312.D

Acq: 04 Nov 2022 20:55

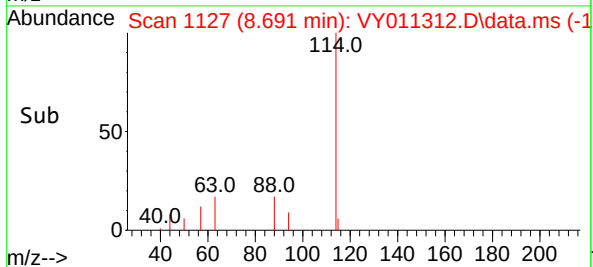
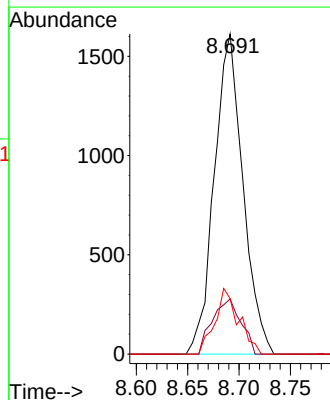
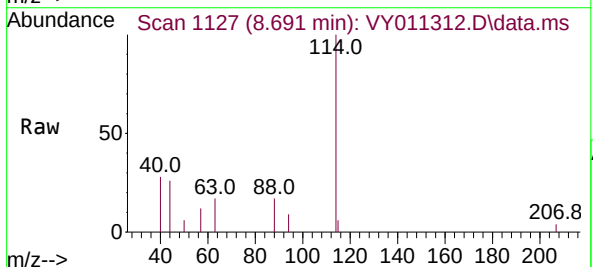
Tgt Ion: 114 Resp: 3123

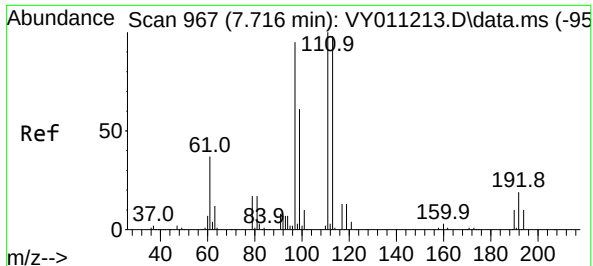
Ion Ratio Lower Upper

114 100

63 17.2 0.0 43.2

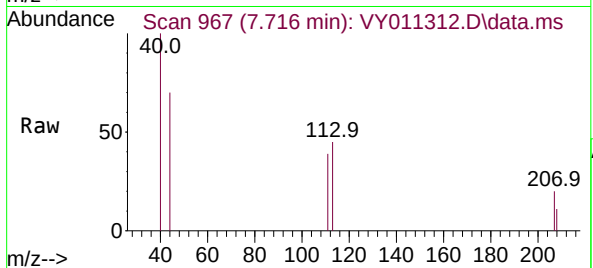
88 17.3 0.0 31.8



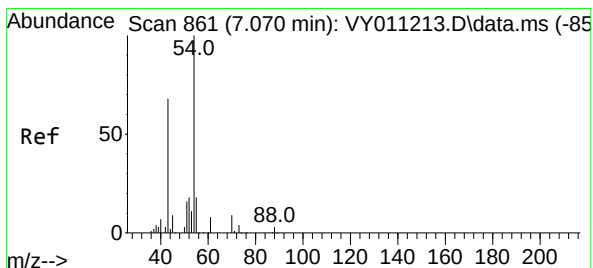
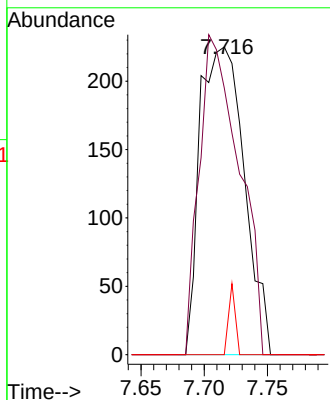
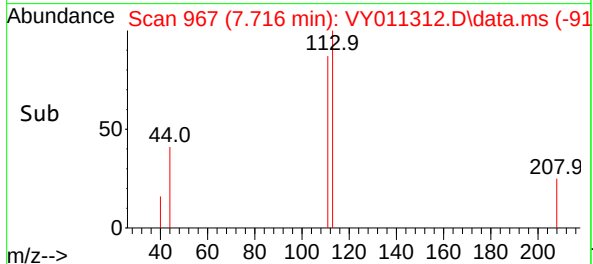


#35
Dibromofluoromethane
Concen: 27.411 ug/l
RT: 7.716 min Scan# 90
Delta R.T. 0.006 min
Lab File: VY011312.D
Acq: 04 Nov 2022 20:55

Instrument :
MSVOA_Y
ClientSampleId :

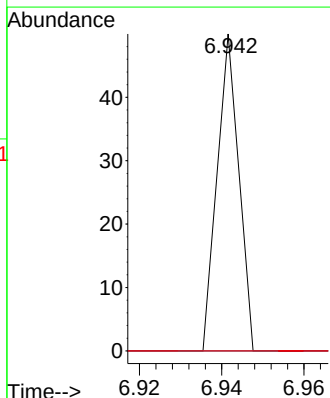
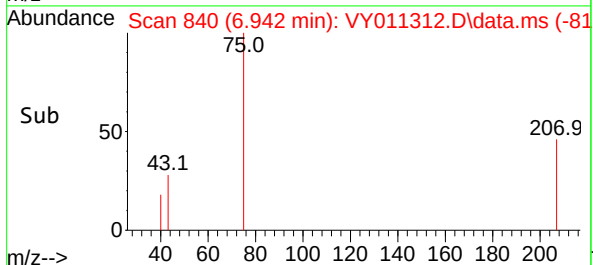
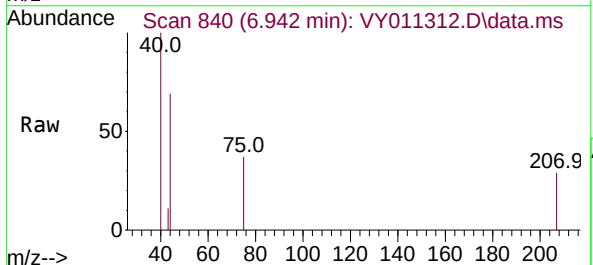


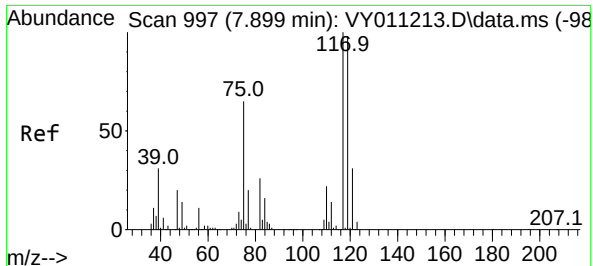
Tgt Ion:113 Resp: 550
Ion Ratio Lower Upper
113 100
111 93.3 82.6 124.0
192 3.5 17.6 26.4#



#37
Ethyl Acetate
Concen: 1.019 ug/l
RT: 6.942 min Scan# 840
Delta R.T. -0.128 min
Lab File: VY011312.D
Acq: 04 Nov 2022 20:55

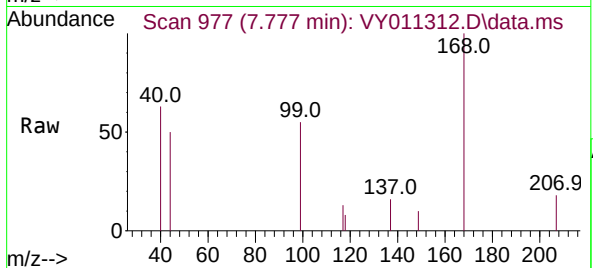
Tgt Ion: 43 Resp: 18
Ion Ratio Lower Upper
43 100
61 0.0 9.7 14.5#
70 0.0 7.1 10.7#



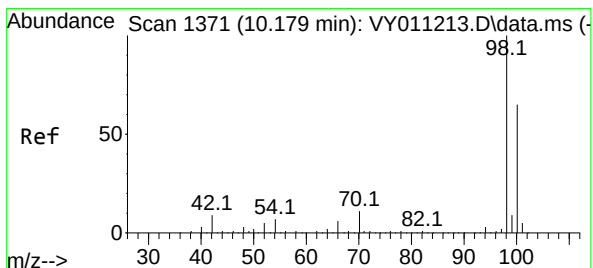
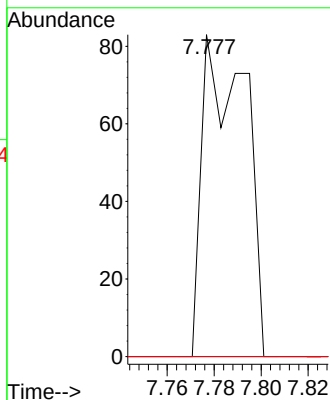
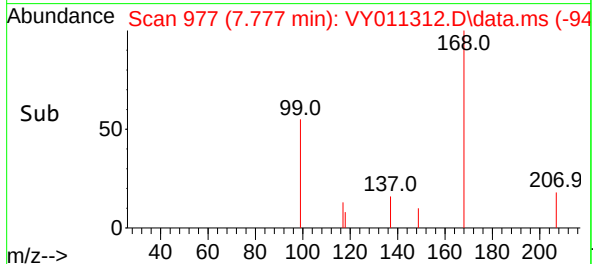


#38
Carbon Tetrachloride
Concen: 3.089 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY011312.D
Acq: 04 Nov 2022 20:55

Instrument :
MSVOA_Y
ClientSampleId :

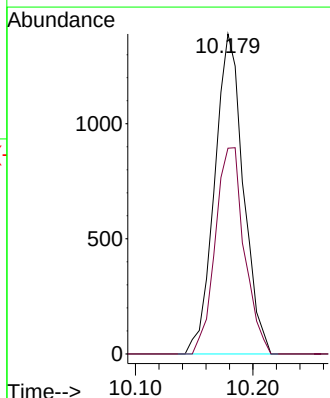
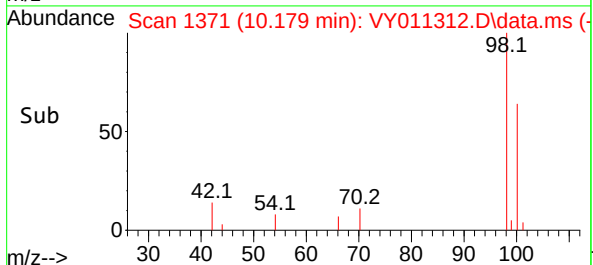
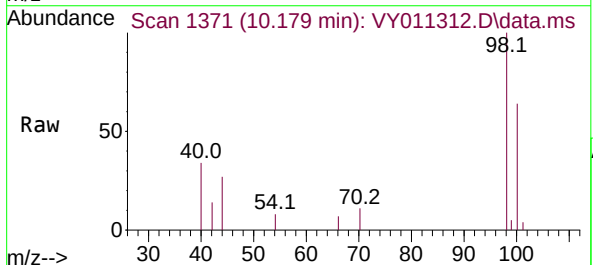


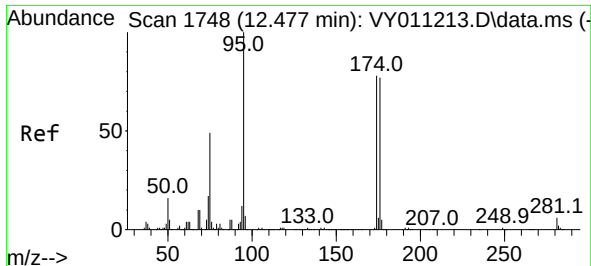
Tgt Ion:117 Resp: 105
Ion Ratio Lower Upper
117 100
119 0.0 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 30.332 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011312.D
Acq: 04 Nov 2022 20:55

Tgt Ion: 98 Resp: 2363
Ion Ratio Lower Upper
98 100
100 65.2 50.2 75.2





#62

4-Bromofluorobenzene

Concen: 24.847 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VY011312.D

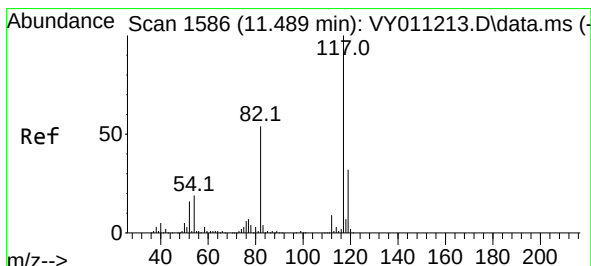
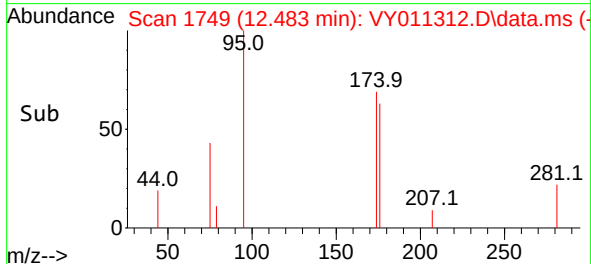
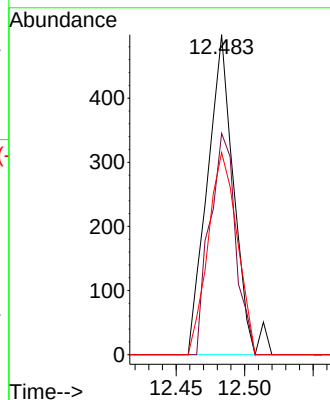
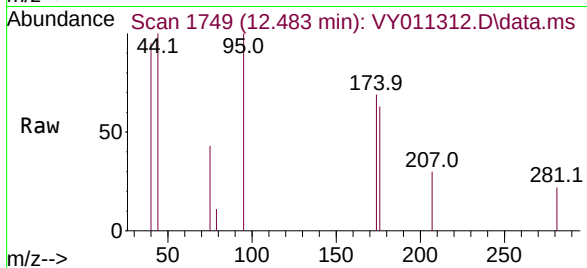
Acq: 04 Nov 2022 20:55

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion: 95	Resp: 672
Ion Ratio	Lower Upper
95 100	
174 67.3	0.0 177.0
176 69.0	0.0 175.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

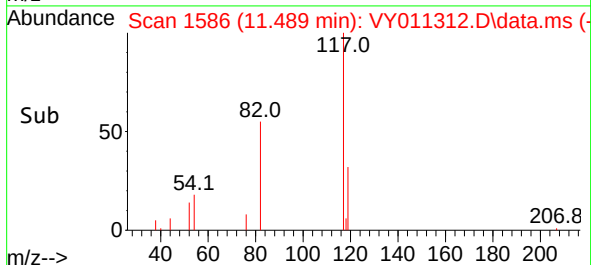
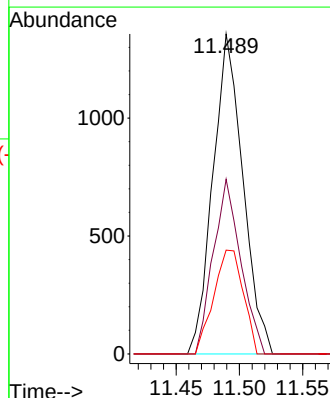
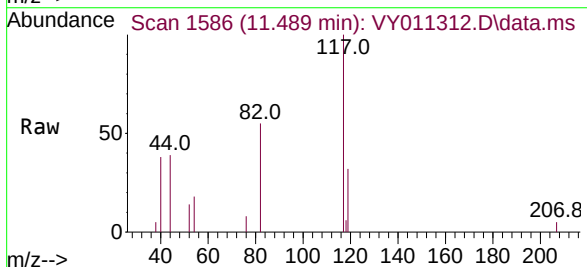
RT: 11.489 min Scan# 1586

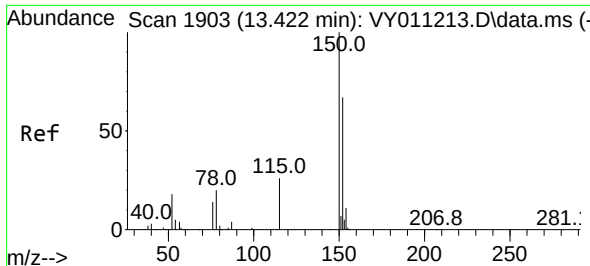
Delta R.T. -0.001 min

Lab File: VY011312.D

Acq: 04 Nov 2022 20:55

Tgt Ion: 117	Resp: 2236
Ion Ratio	Lower Upper
117 100	
82 54.6	43.0 64.4
119 32.4	25.4 38.0

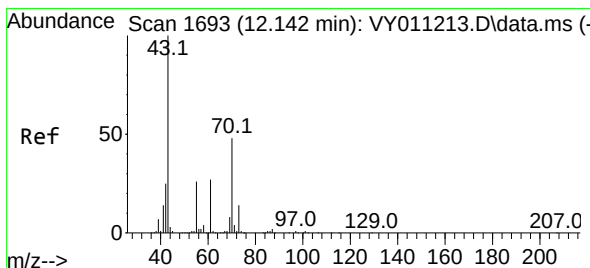
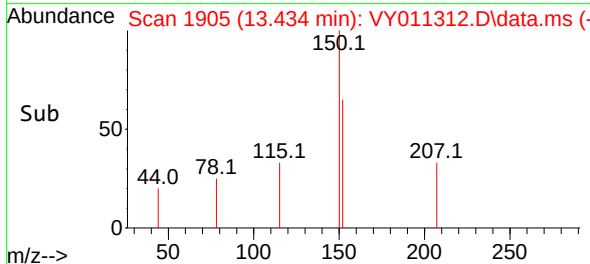
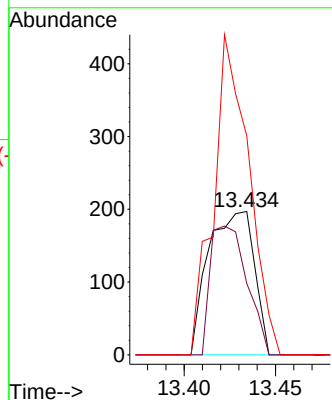
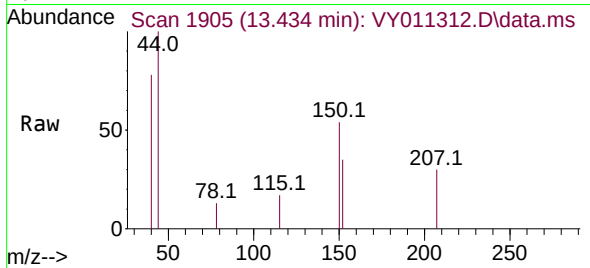




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.434 min Scan# 1903
Delta R.T. 0.012 min
Lab File: VY011312.D
Acq: 04 Nov 2022 20:55

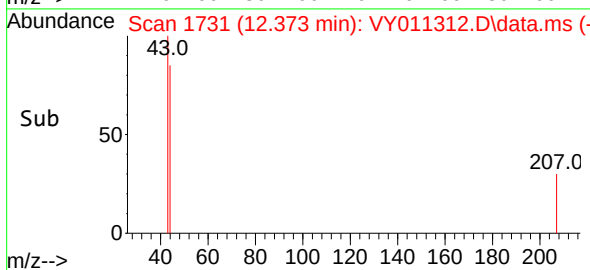
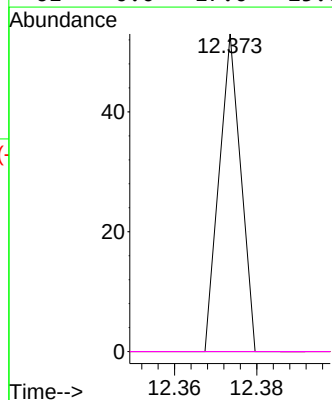
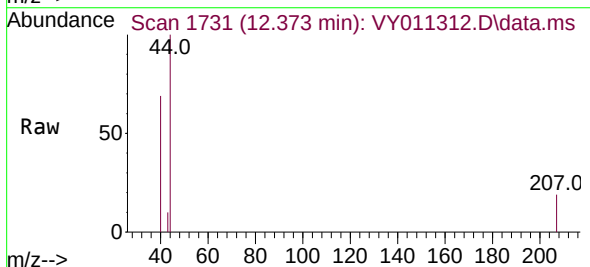
Instrument :
MSVOA_Y
ClientSampleId :

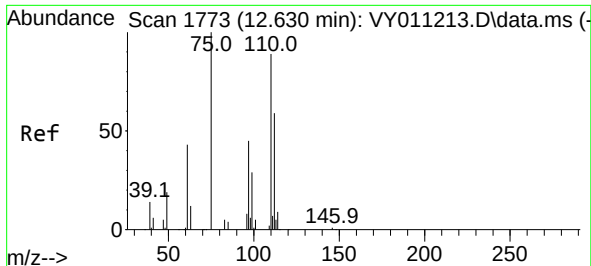
Tgt Ion:152 Resp: 343
Ion Ratio Lower Upper
152 100
115 72.0 28.2 84.7
150 172.9 0.0 347.6



#74
N-ethyl acetate
Concen: 2.951 ug/l
RT: 12.373 min Scan# 1731
Delta R.T. 0.231 min
Lab File: VY011312.D
Acq: 04 Nov 2022 20:55

Tgt Ion: 43 Resp: 19
Ion Ratio Lower Upper
43 100
70 0.0 28.7 43.1#
55 0.0 17.3 25.9#
61 0.0 17.0 25.6#

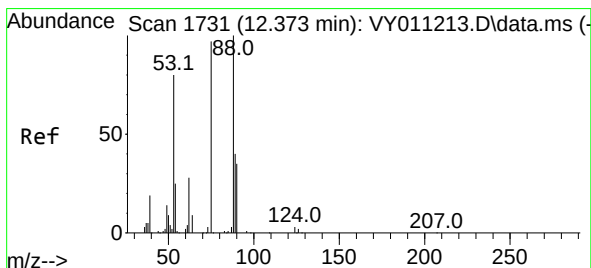
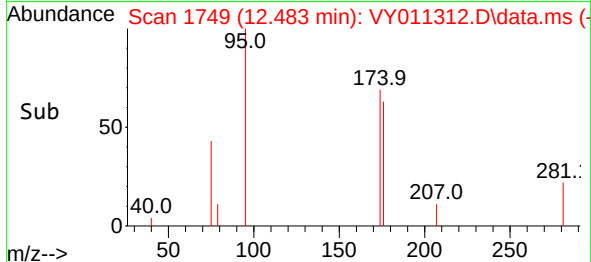
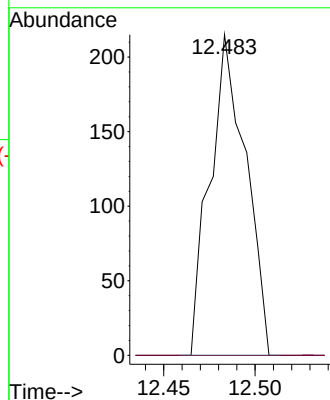
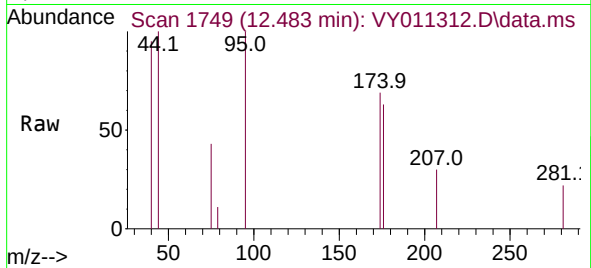




#76
1,2,3-Trichloropropane
Concen: 70.407 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY011312.D
Acq: 04 Nov 2022 20:55

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 294
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 150.680 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY011312.D
Acq: 04 Nov 2022 20:55

Tgt Ion: 75 Resp: 294
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#

