

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121422\
 Data File : VY011850.D
 Acq On : 14 Dec 2022 17:04
 Operator : KP/MD
 Sample : N6038-03
 Misc : 5.79g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RB-30-(1.5-3.5)

Quant Time: Dec 15 01:22:03 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y120922S.M
 Quant Title : SW846 8260
 QLast Update : Sat Dec 10 04:19:59 2022
 Response via : Initial Calibration

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

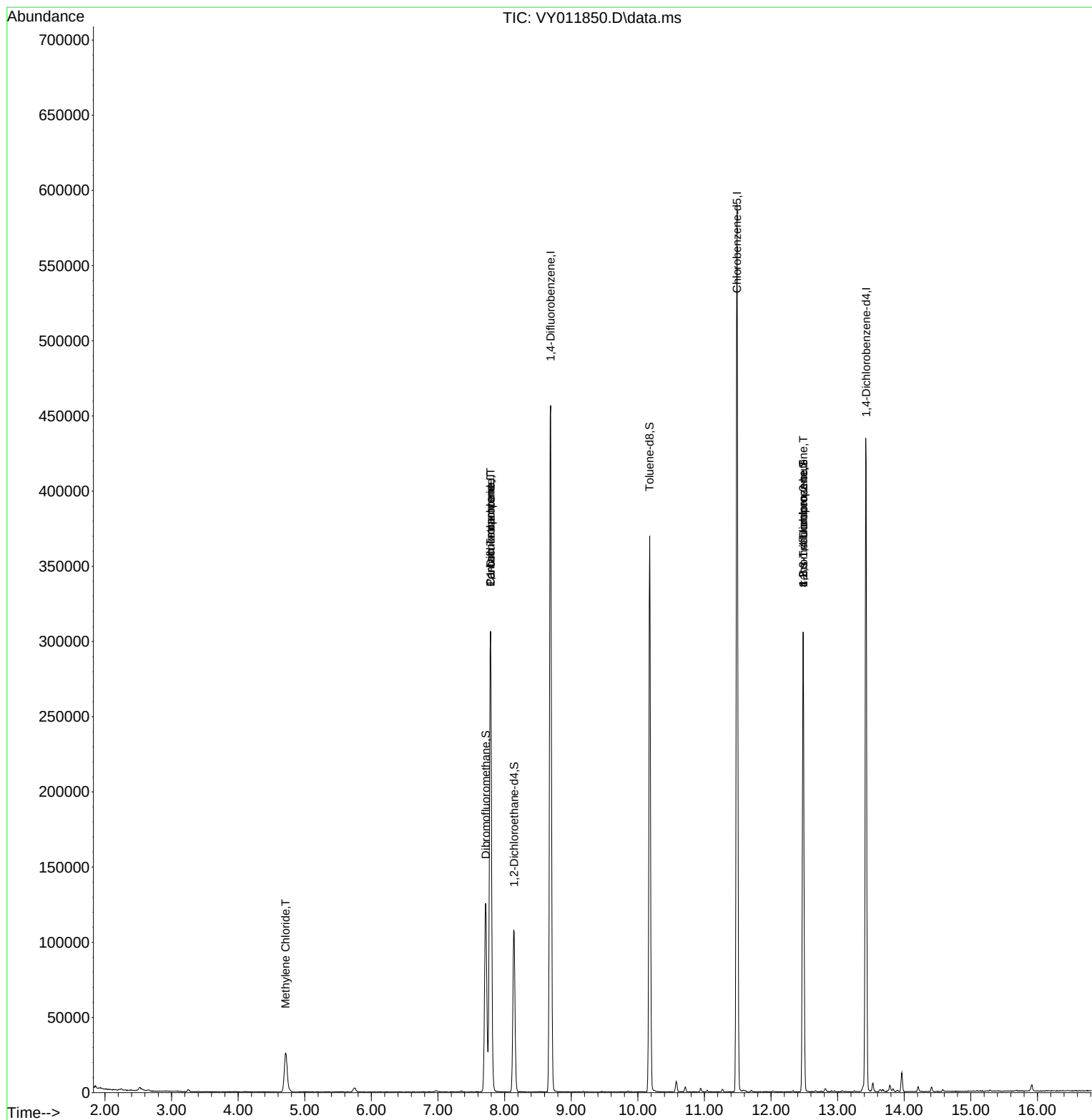
Internal Standards						
1) Pentafluorobenzene	7.789	168	239855	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	396574	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	322851	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	114272	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	86020	52.827	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.660%	
35) Dibromofluoromethane	7.716	113	88205	50.066	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.140%	
50) Toluene-d8	10.179	98	241221	40.495	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 81.000%	
62) 4-Bromofluorobenzene	12.483	95	78728	32.657	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 65.320%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.900	85	132	Below Cal	#	41
3) Chloromethane	2.125	50	164	Below Cal	#	42
4) Vinyl Chloride	2.247	62	27	Below Cal	#	43
5) Bromomethane	2.650	94	151	Below Cal		88
11) Tert butyl alcohol	4.966	59	20	Below Cal	#	74
18) Methyl Acetate	4.485	43	50	Below Cal	#	50
20) Methylene Chloride	4.710	84	20716	3.412	ug/l	91
31) Cyclohexane	7.789	56	4942	Below Cal	#	3
36) 1,1-Dichloropropene	7.789	75	17950	5.965	ug/l #	49
38) Carbon Tetrachloride	7.789	117	23886	6.757	ug/l #	17
76) 1,2,3-Trichloropropane	12.483	75	41918	36.257	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	41918	82.275	ug/l #	13

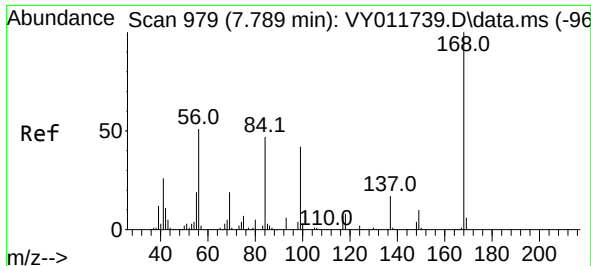
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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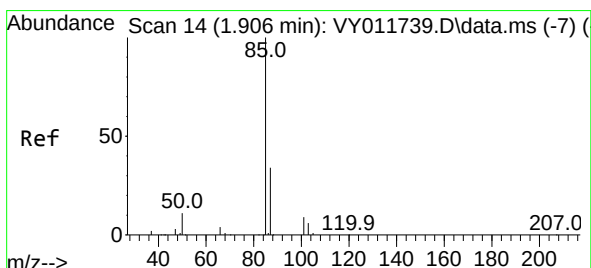
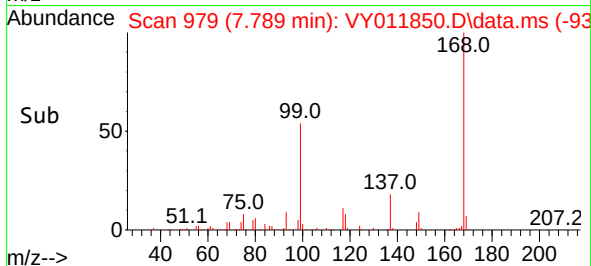
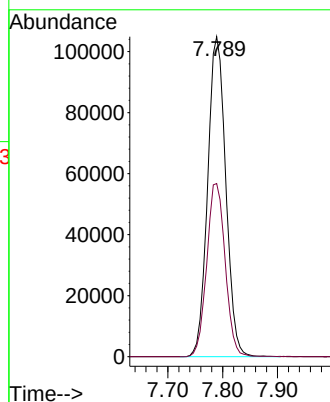
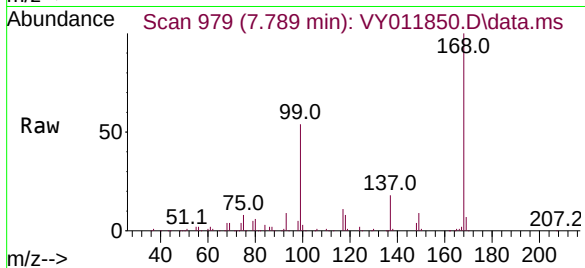




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011850.D
Acq: 14 Dec 2022 17:04

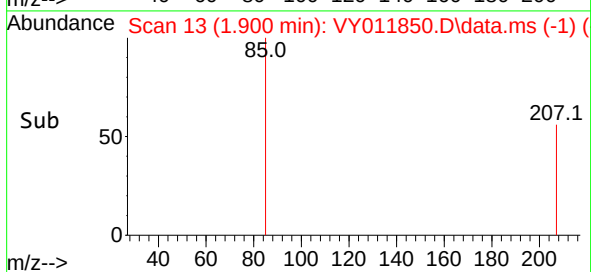
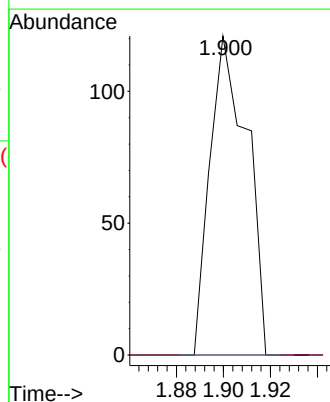
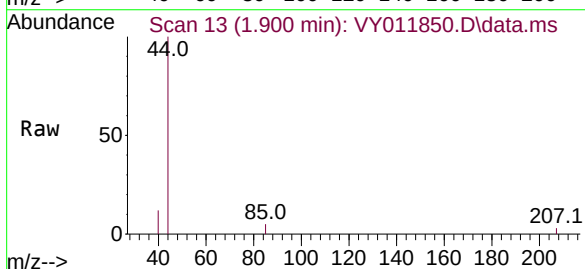
Instrument :
MSVOA_Y
ClientSampleId :
RB-30-(1.5-3.5)

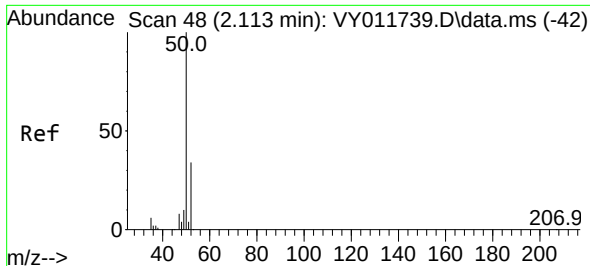
Tgt Ion:168 Resp: 239855
Ion Ratio Lower Upper
168 100
99 54.1 44.0 66.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY011850.D
Acq: 14 Dec 2022 17:04

Tgt Ion: 85 Resp: 132
Ion Ratio Lower Upper
85 100
87 0.0 16.8 50.4#

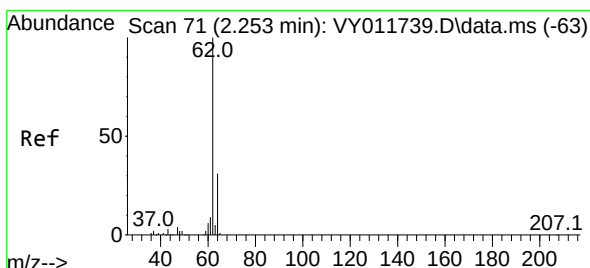
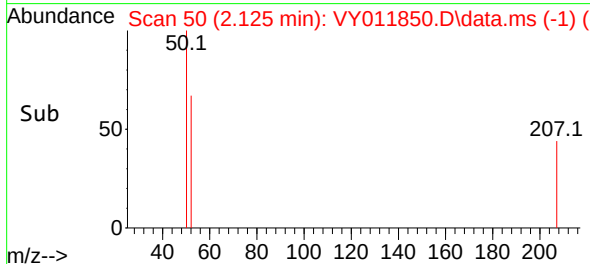
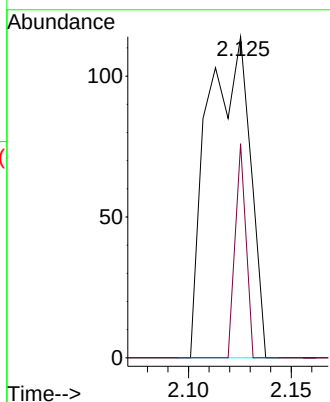
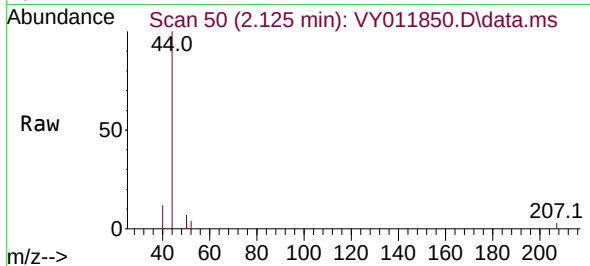




#3
Chloromethane
Concen: Below Cal
RT: 2.125 min Scan# 50
Delta R.T. 0.012 min
Lab File: VY011850.D
Acq: 14 Dec 2022 17:04

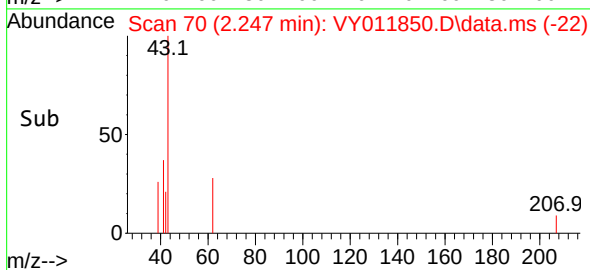
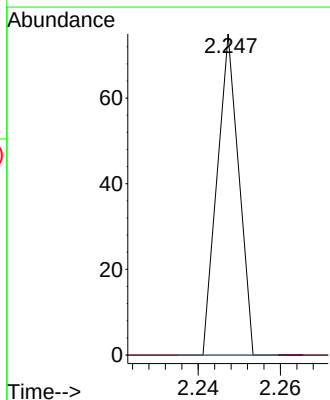
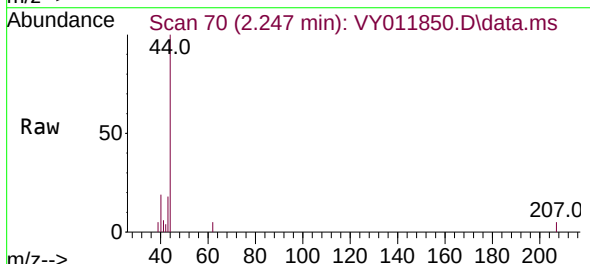
Instrument :
MSVOA_Y
ClientSampleId :
RB-30-(1.5-3.5)

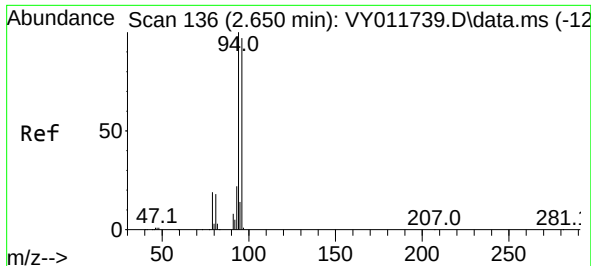
Tgt Ion: 50 Resp: 164
Ion Ratio Lower Upper
50 100
52 66.7 26.8 40.2#



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.247 min Scan# 70
Delta R.T. -0.006 min
Lab File: VY011850.D
Acq: 14 Dec 2022 17:04

Tgt Ion: 62 Resp: 27
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

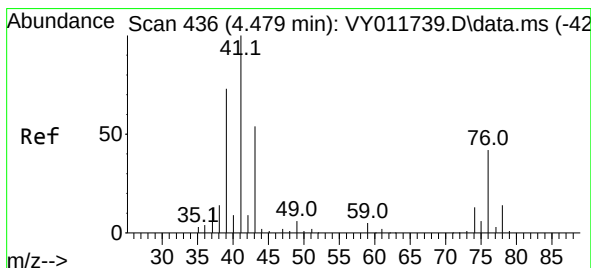
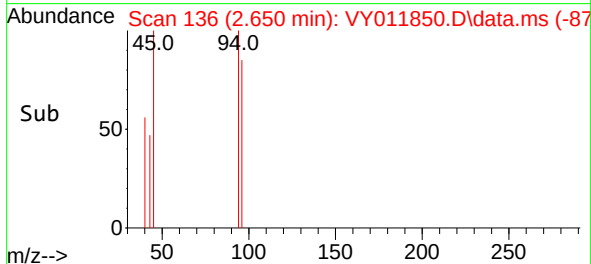
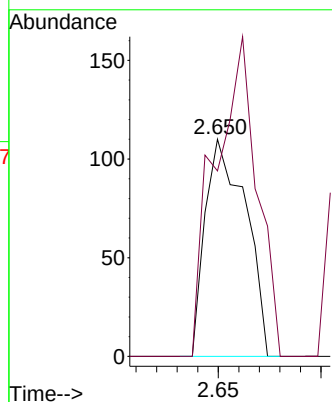
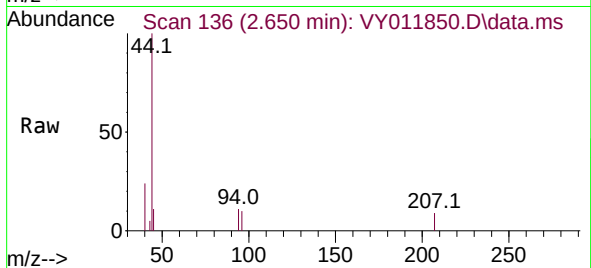




#5
Bromomethane
Concen: Below Cal
RT: 2.650 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011850.D
Acq: 14 Dec 2022 17:04

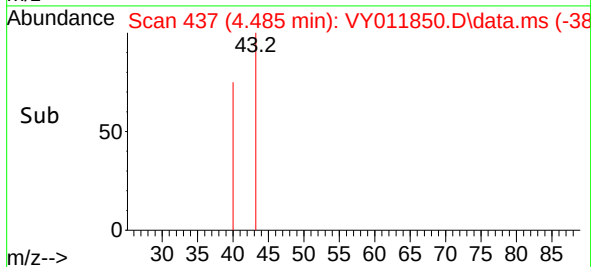
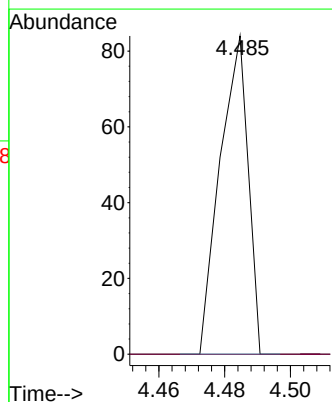
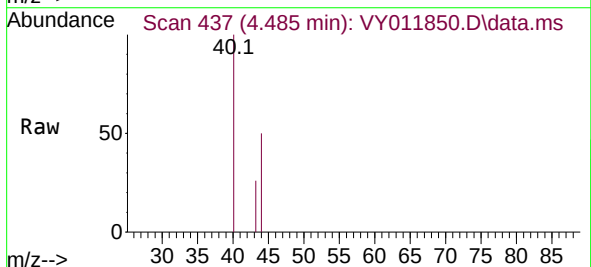
Instrument :
MSVOA_Y
ClientSampleId :
RB-30-(1.5-3.5)

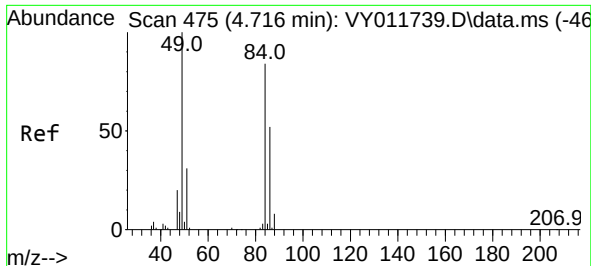
Tgt Ion: 94 Resp: 151
Ion Ratio Lower Upper
94 100
96 85.5 77.4 116.2



#18
Methyl Acetate
Concen: Below Cal
RT: 4.485 min Scan# 437
Delta R.T. 0.006 min
Lab File: VY011850.D
Acq: 14 Dec 2022 17:04

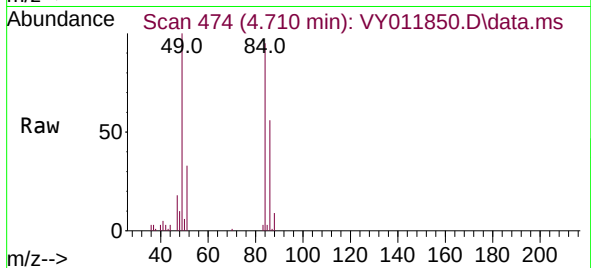
Tgt Ion: 43 Resp: 50
Ion Ratio Lower Upper
43 100
74 0.0 20.1 30.1#



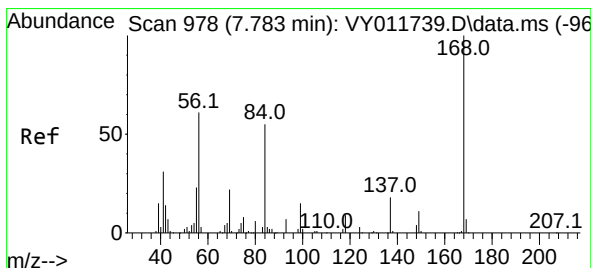
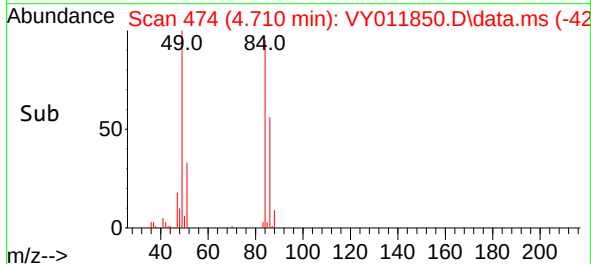
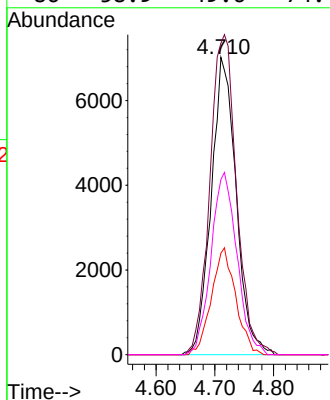


#20
Methylene Chloride
Concen: 3.412 ug/l
RT: 4.710 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY011850.D
Acq: 14 Dec 2022 17:04

Instrument :
MSVOA_Y
ClientSampleId :
RB-30-(1.5-3.5)

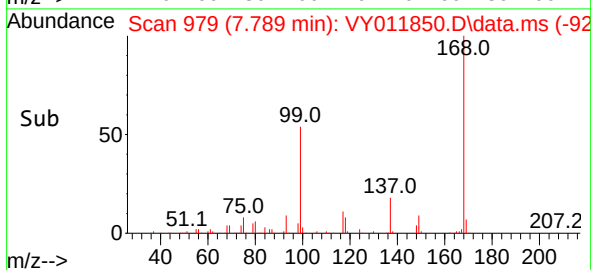
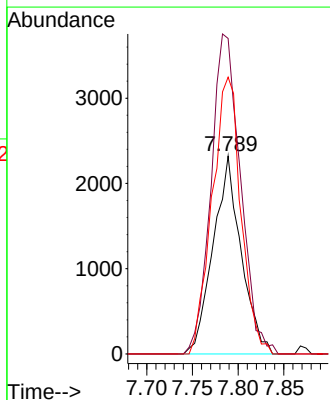
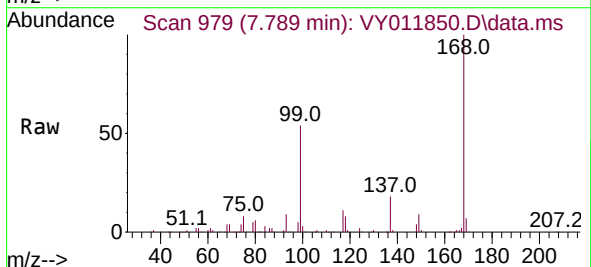


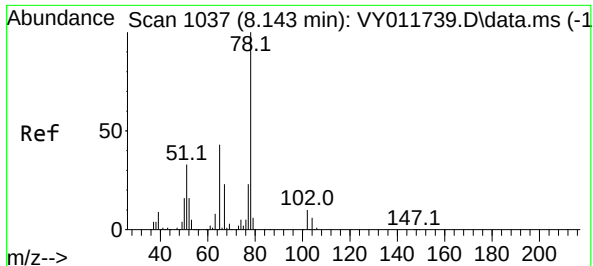
Tgt Ion:	84	Resp:	20716
Ion	Ratio	Lower	Upper
84	100		
49	104.7	95.4	143.2
51	34.1	29.9	44.9
86	58.9	49.6	74.4



#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 979
Delta R.T. 0.006 min
Lab File: VY011850.D
Acq: 14 Dec 2022 17:04

Tgt Ion:	56	Resp:	4942
Ion	Ratio	Lower	Upper
56	100		
69	159.4	29.2	43.8#
84	139.8	72.6	108.8#





#33

1,2-Dichloroethane-d4

Concen: 52.827 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. -0.000 min

Lab File: VY011850.D

Acq: 14 Dec 2022 17:04

Instrument :

MSVOA_Y

ClientSampleId :

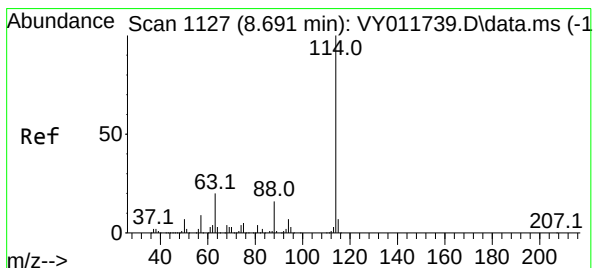
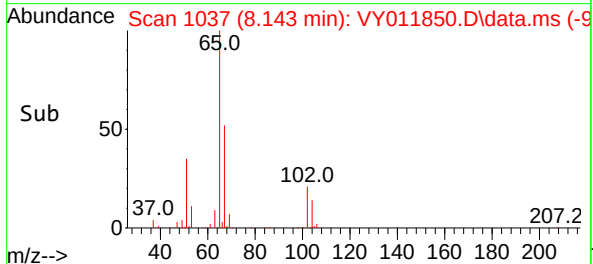
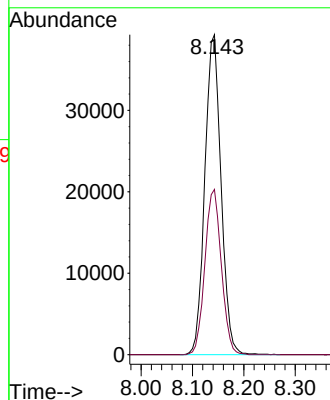
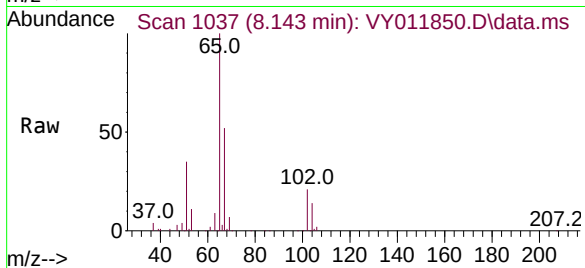
RB-30-(1.5-3.5)

Tgt Ion: 65 Resp: 86020

Ion Ratio Lower Upper

65 100

67 52.4 0.0 103.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY011850.D

Acq: 14 Dec 2022 17:04

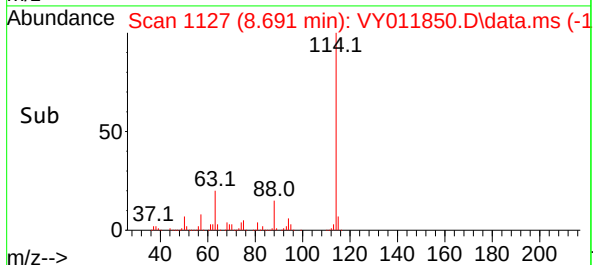
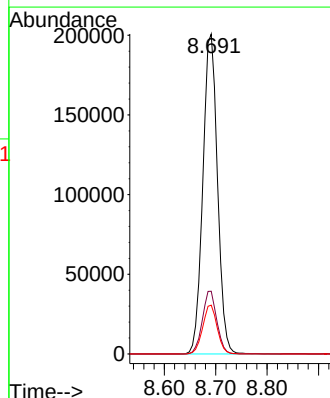
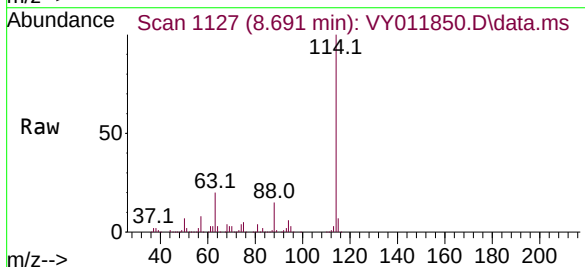
Tgt Ion: 114 Resp: 396574

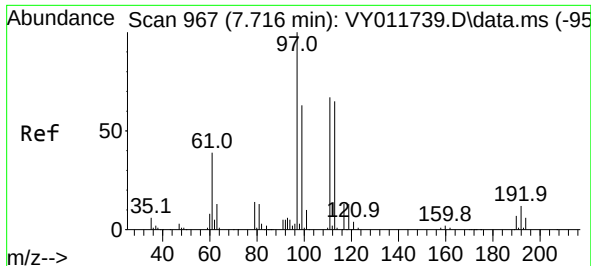
Ion Ratio Lower Upper

114 100

63 19.6 0.0 39.6

88 15.2 0.0 32.2

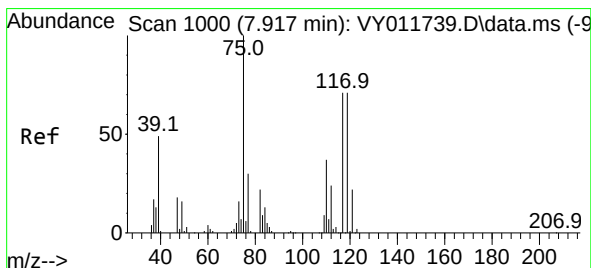
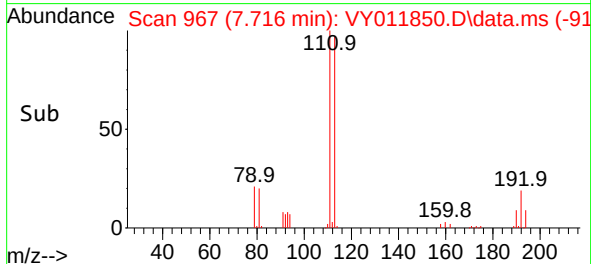
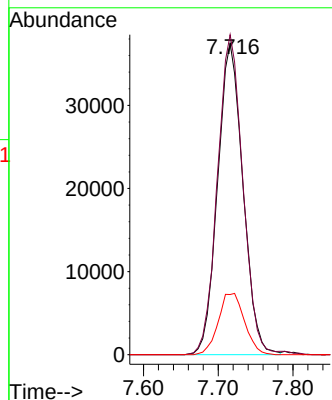
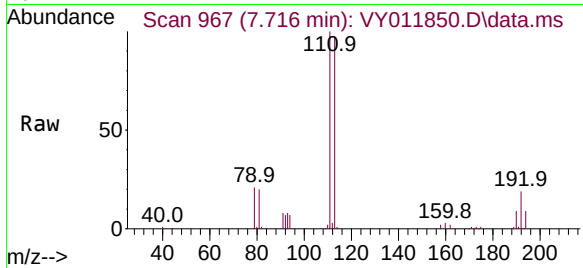




#35
Dibromofluoromethane
Concen: 50.066 ug/l
RT: 7.716 min Scan# 910
Delta R.T. -0.000 min
Lab File: VY011850.D
Acq: 14 Dec 2022 17:04

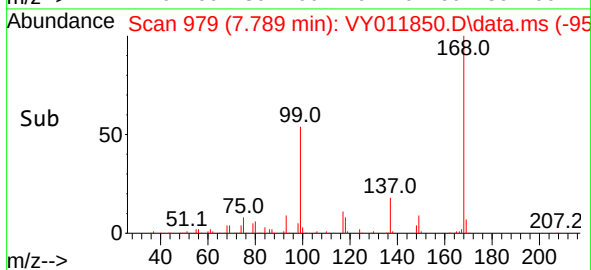
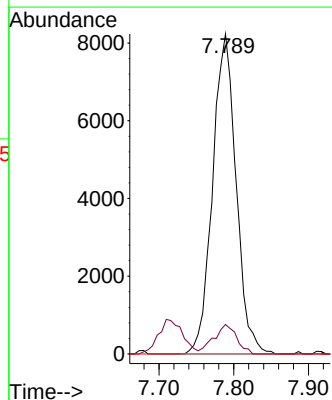
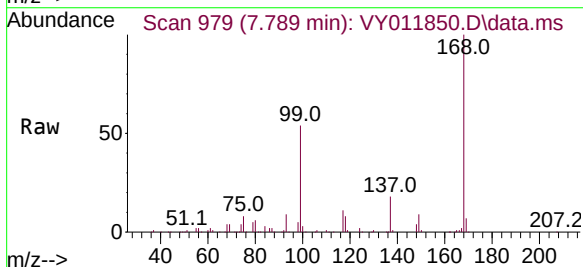
Instrument :
MSVOA_Y
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RB-30-(1.5-3.5)

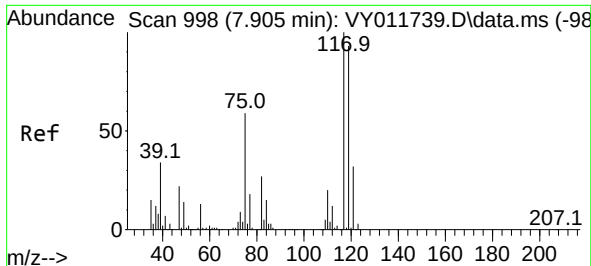
Tgt Ion:113 Resp: 88205
Ion Ratio Lower Upper
113 100
111 103.4 83.0 124.4
192 20.4 16.0 24.0



#36
1,1-Dichloropropene
Concen: 5.965 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY011850.D
Acq: 14 Dec 2022 17:04

Tgt Ion: 75 Resp: 17950
Ion Ratio Lower Upper
75 100
110 8.9 18.1 54.1#
77 0.0 25.1 37.7#

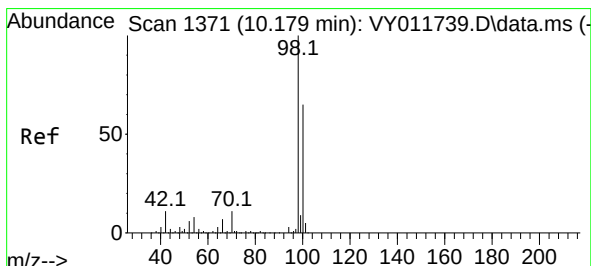
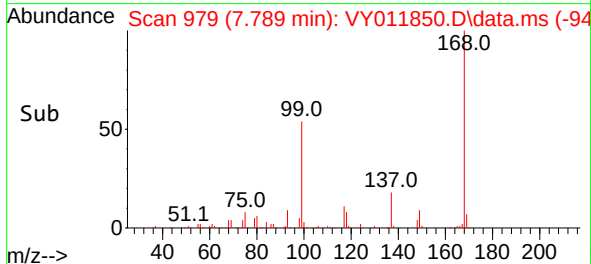
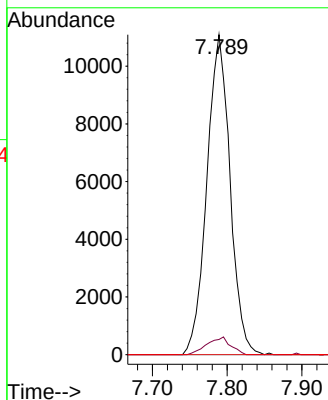
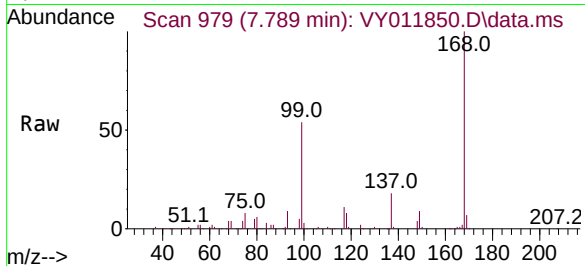




#38
Carbon Tetrachloride
Concen: 6.757 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY011850.D
Acq: 14 Dec 2022 17:04

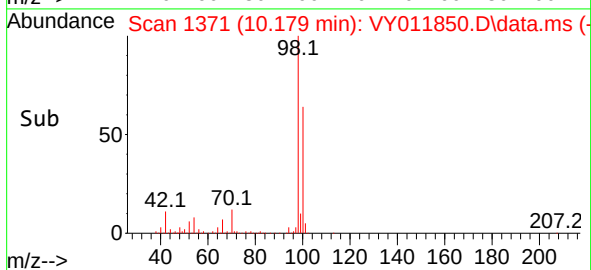
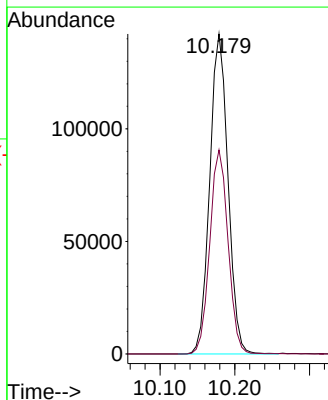
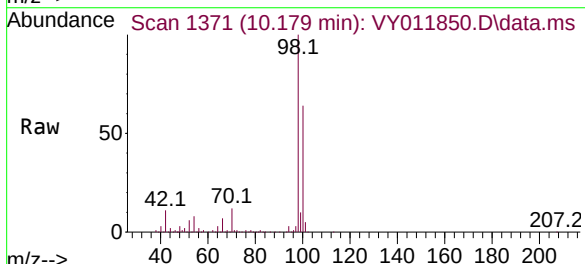
Instrument :
MSVOA_Y
ClientSampleId :
RB-30-(1.5-3.5)

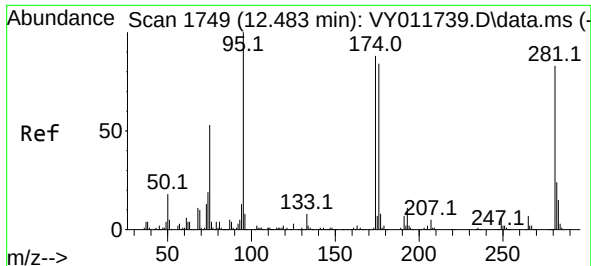
Tgt Ion:117 Resp: 23886
Ion Ratio Lower Upper
117 100
119 4.8 73.8 110.8#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 40.495 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011850.D
Acq: 14 Dec 2022 17:04

Tgt Ion: 98 Resp: 241221
Ion Ratio Lower Upper
98 100
100 63.7 51.9 77.9

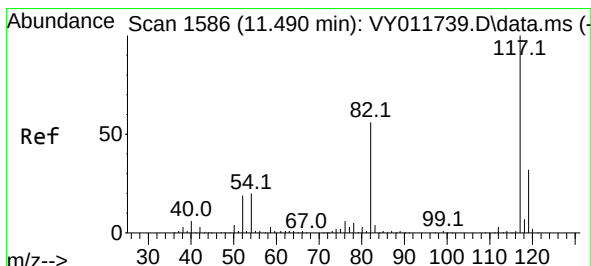
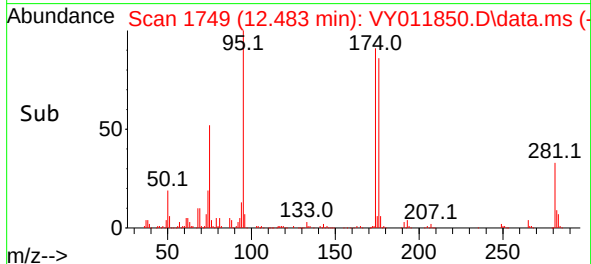
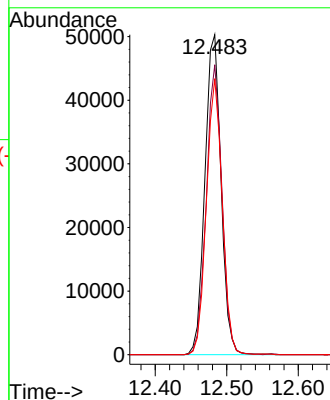
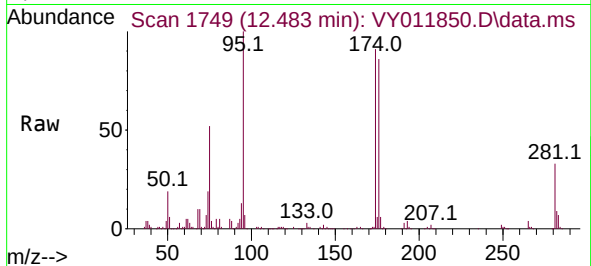




#62
4-Bromofluorobenzene
Concen: 32.657 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011850.D
Acq: 14 Dec 2022 17:04

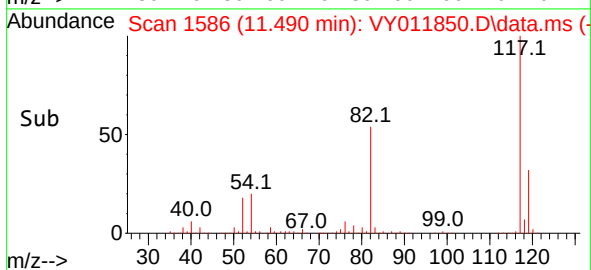
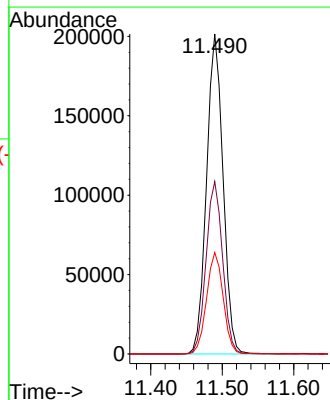
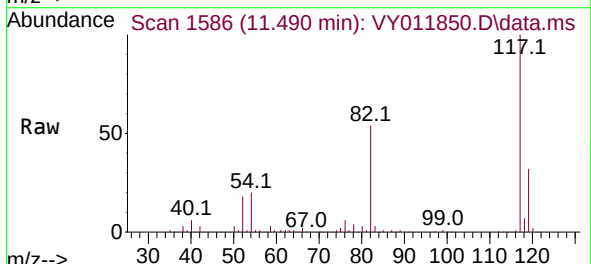
Instrument :
MSVOA_Y
ClientSampleId :
RB-30-(1.5-3.5)

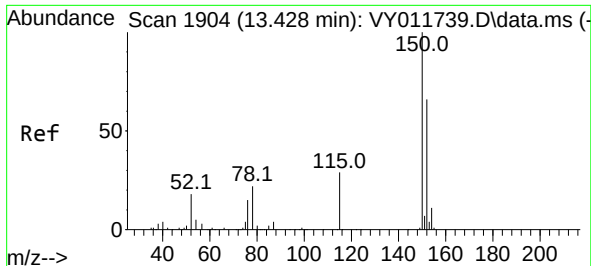
Tgt Ion: 95 Resp: 78728
Ion Ratio Lower Upper
95 100
174 88.6 0.0 172.0
176 84.6 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY011850.D
Acq: 14 Dec 2022 17:04

Tgt Ion: 117 Resp: 322851
Ion Ratio Lower Upper
117 100
82 53.9 44.8 67.2
119 31.7 25.4 38.2

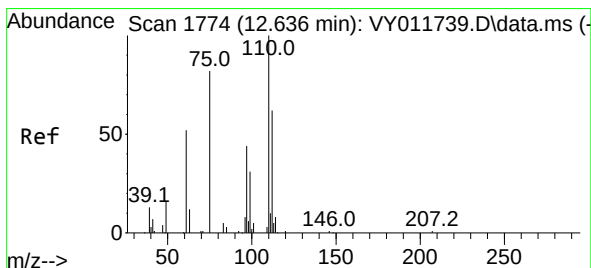
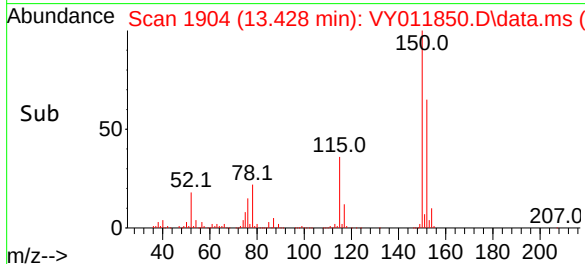
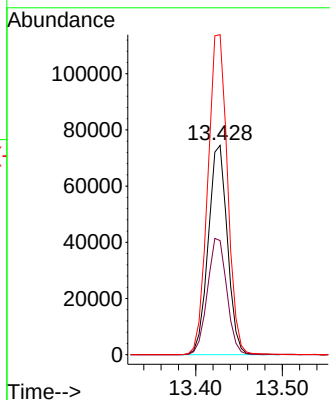
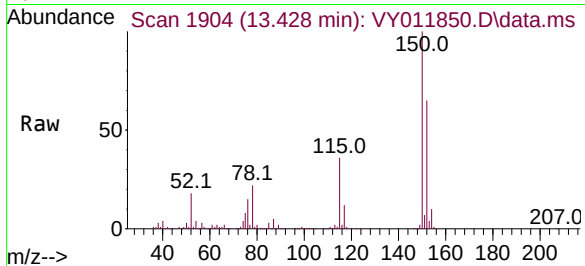




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. -0.000 min
 Lab File: VY011850.D
 Acq: 14 Dec 2022 17:04

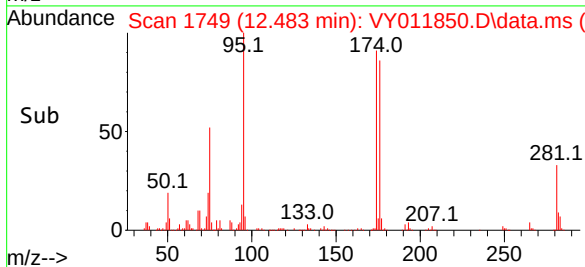
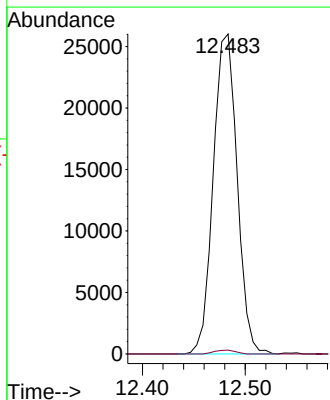
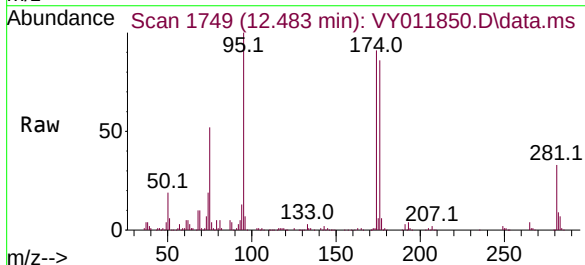
Instrument :
 MSVOA_Y
 ClientSampleId :
 RB-30-(1.5-3.5)

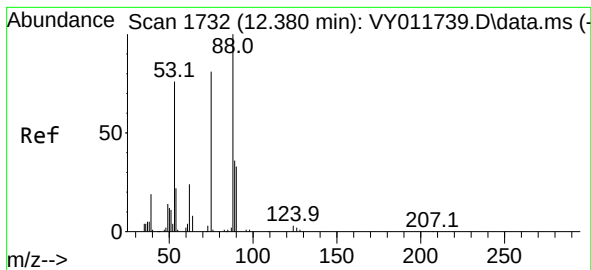
Tgt Ion:152 Resp: 114272
 Ion Ratio Lower Upper
 152 100
 115 56.4 29.1 87.3
 150 157.5 0.0 342.6



#76
 1,2,3-Trichloropropane
 Concen: 36.257 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.152 min
 Lab File: VY011850.D
 Acq: 14 Dec 2022 17:04

Tgt Ion: 75 Resp: 41918
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 82.275 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY011850.D
 Acq: 14 Dec 2022 17:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 RB-30-(1.5-3.5)

Tgt Ion: 75 Resp: 41918
 Ion Ratio Lower Upper
 75 100
 53 0.1 72.5 108.7#
 89 0.5 37.0 55.4#

