

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121522\
 Data File : VY011868.D
 Acq On : 15 Dec 2022 13:51
 Operator : KP/MD
 Sample : N6038-14
 Misc : 3.50g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RB-36-(0-2)

Quant Time: Dec 16 00:14:14 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	196271	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	318100	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	265622	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	101368	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	68858	51.562	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	103.120%
35) Dibromofluoromethane	7.716	113	78420	55.950	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	111.900%
50) Toluene-d8	10.179	98	214747	45.786	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	91.580%
62) 4-Bromofluorobenzene	12.483	95	91796	49.751	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	99.500%

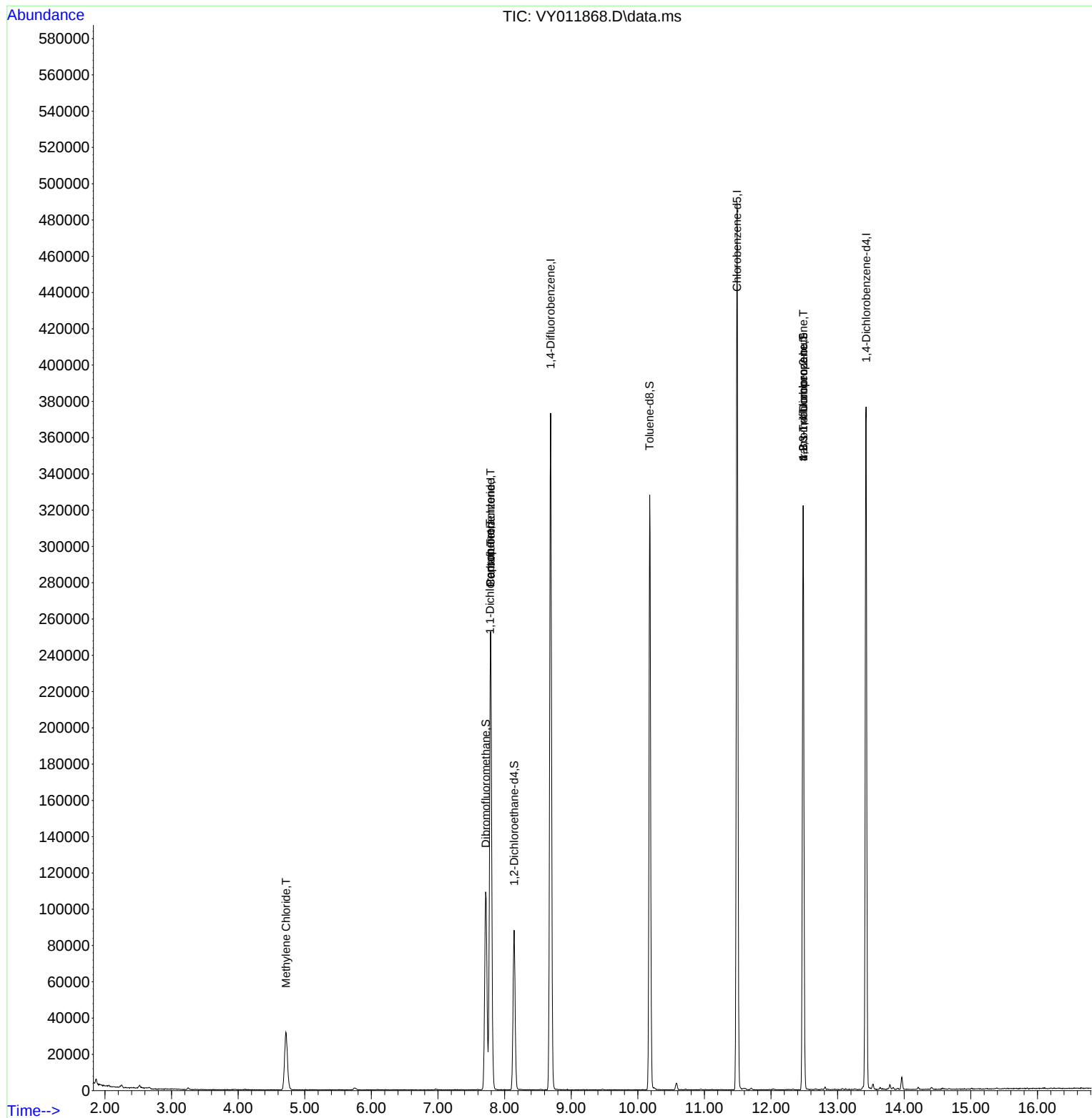
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.900	85	57	Below Cal	# 41
3) Chloromethane	2.119	50	213	Below Cal	# 41
5) Bromomethane	2.662	94	234	Below Cal	# 88
18) Methyl Acetate	4.485	43	53	Below Cal	# 50
20) Methylene Chloride	4.716	84	24530	7.913	ug/l 98
31) Cyclohexane	7.789	56	3973	Below Cal	# 1
36) 1,1-Dichloropropene	7.783	75	14149	5.862	ug/l # 49
38) Carbon Tetrachloride	7.789	117	19688	6.943	ug/l # 18
76) 1,2,3-Trichloropropane	12.483	75	47733	46.543	ug/l # 100
81) trans-1,4-Dichloro-2-b...	12.483	75	47733	105.614	ug/l # 13

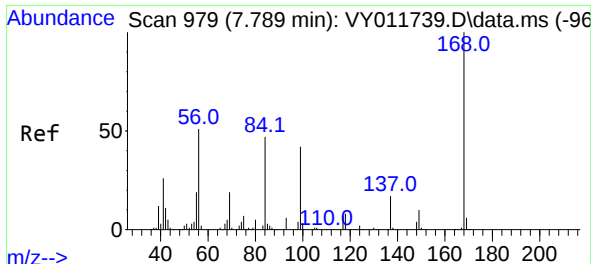
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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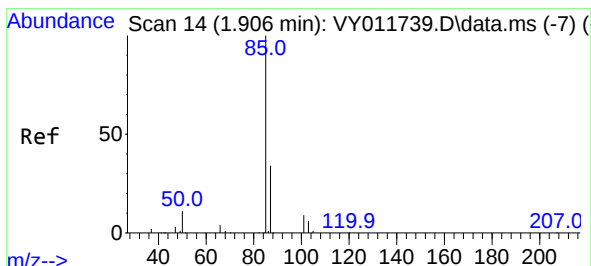
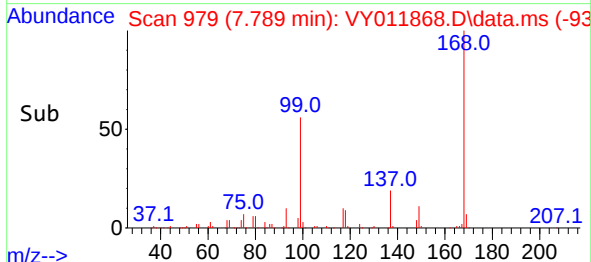
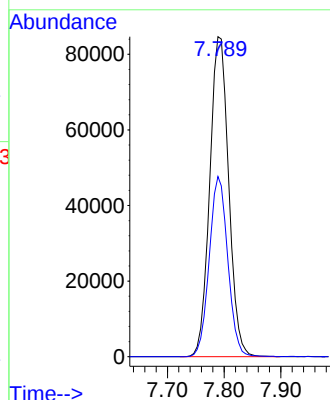
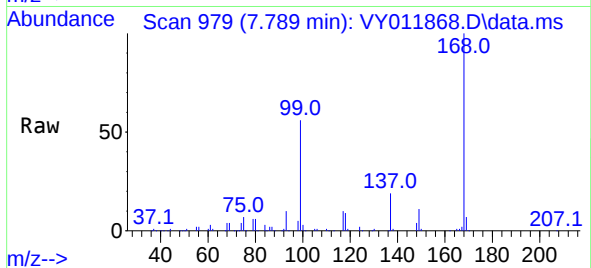




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY011868.D
Acq: 15 Dec 2022 13:51

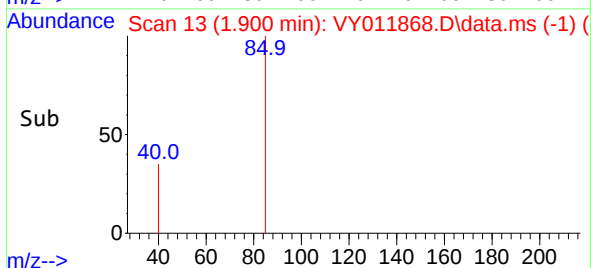
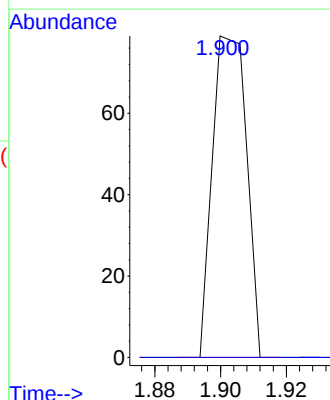
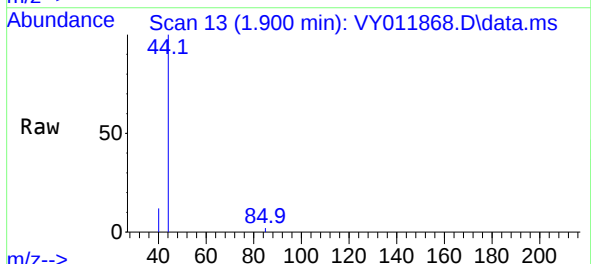
Instrument :
MSVOA_Y
ClientSampleId :
RB-36-(0-2)

Tgt Ion:168 Resp: 196271
Ion Ratio Lower Upper
168 100
99 56.3 44.0 66.0

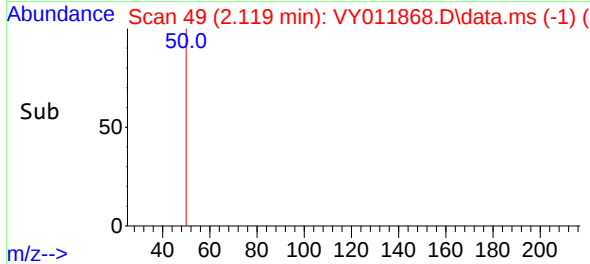
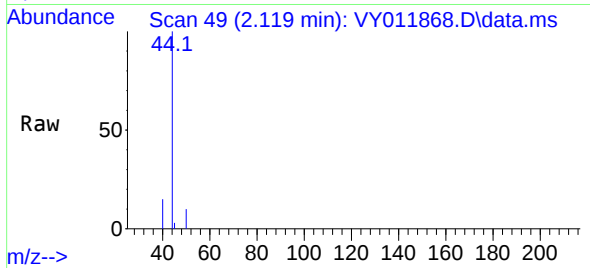
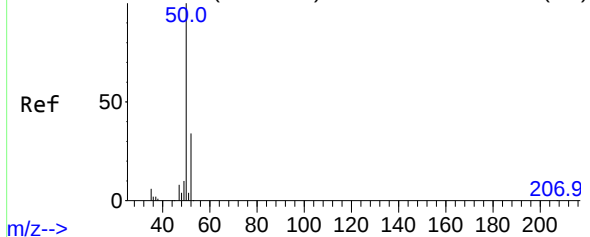


#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY011868.D
Acq: 15 Dec 2022 13:51

Tgt Ion: 85 Resp: 57
Ion Ratio Lower Upper
85 100
87 0.0 16.8 50.4#



Abundance Scan 48 (2.113 min): VY011739.D\data.ms (-42)



#3

Chloromethane

Concen: Below Cal

RT: 2.119 min Scan# 49

Delta R.T. 0.006 min

Lab File: VY011868.D

Acq: 15 Dec 2022 13:51

Instrument :

MSVOA_Y

ClientSampleId :

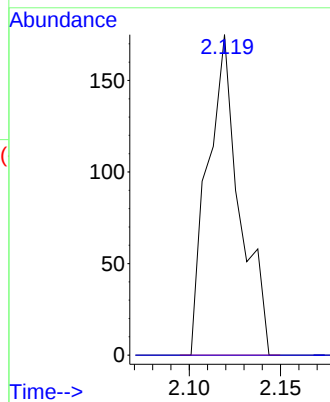
RB-36-(0-2)

Tgt Ion: 50 Resp: 213

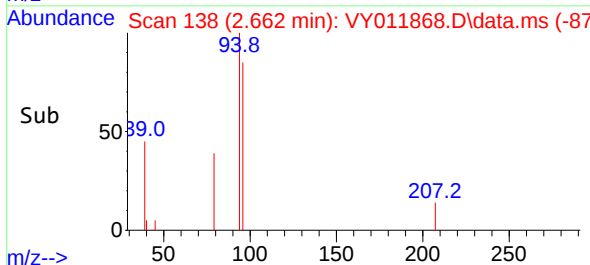
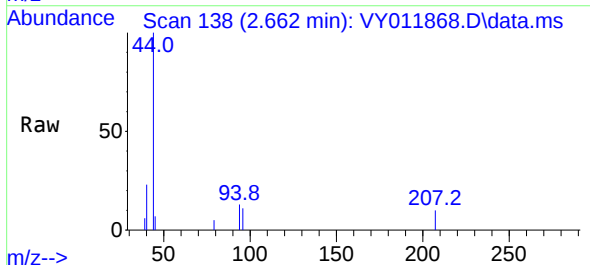
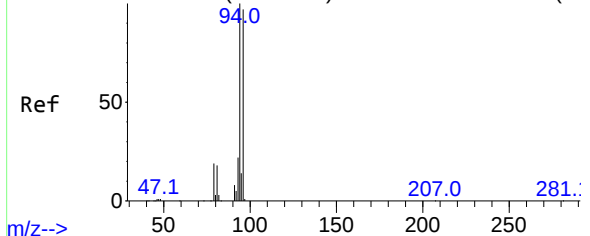
Ion Ratio Lower Upper

50 100

52 0.0 26.8 40.2#



Abundance Scan 136 (2.650 min): VY011739.D\data.ms (-12)



#5

Bromomethane

Concen: Below Cal

RT: 2.662 min Scan# 138

Delta R.T. 0.012 min

Lab File: VY011868.D

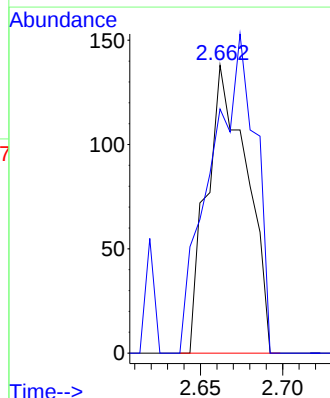
Acq: 15 Dec 2022 13:51

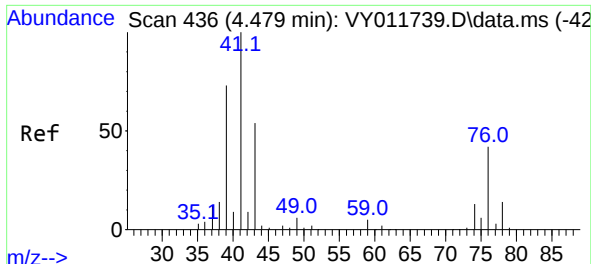
Tgt Ion: 94 Resp: 234

Ion Ratio Lower Upper

94 100

96 84.8 77.4 116.2

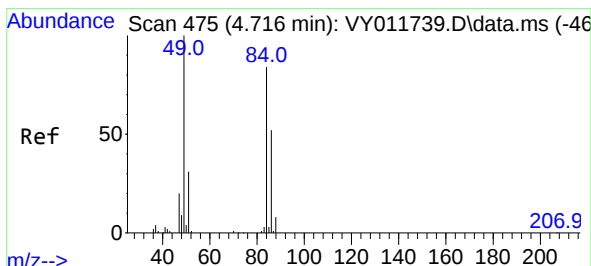
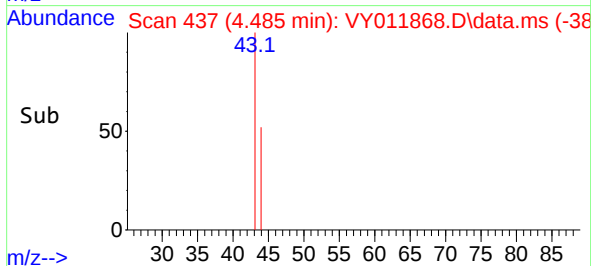
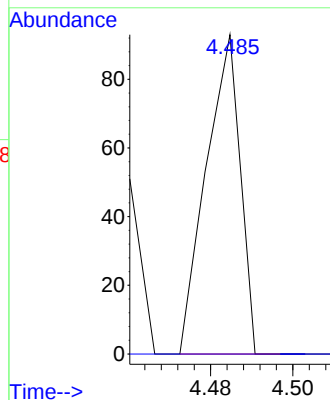
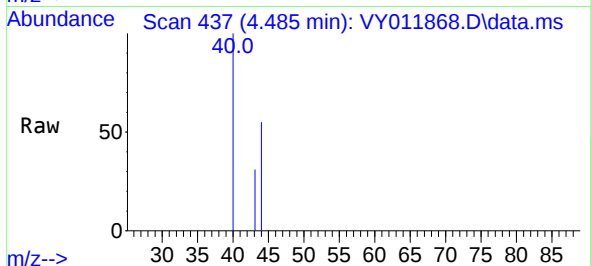




#18
Methyl Acetate
Concen: Below Cal
RT: 4.485 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY011868.D
Acq: 15 Dec 2022 13:51

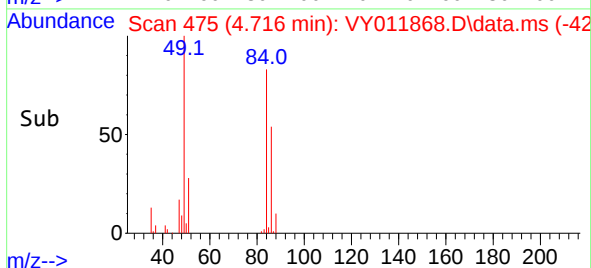
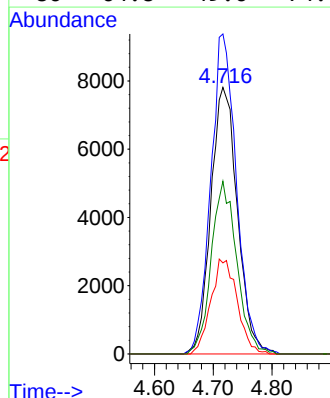
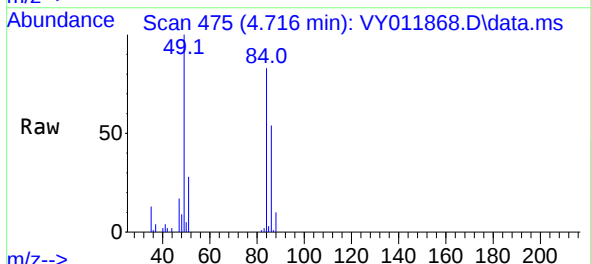
Instrument :
MSVOA_Y
ClientSampleId :
RB-36-(0-2)

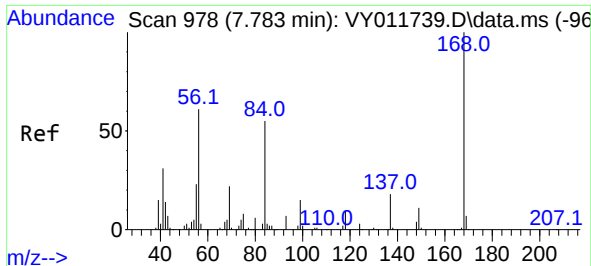
Tgt Ion: 43 Resp: 53
Ion Ratio Lower Upper
43 100
74 0.0 20.1 30.1#



#20
Methylene Chloride
Concen: 7.913 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY011868.D
Acq: 15 Dec 2022 13:51

Tgt Ion: 84 Resp: 24530
Ion Ratio Lower Upper
84 100
49 120.1 95.4 143.2
51 34.1 29.9 44.9
86 64.8 49.6 74.4

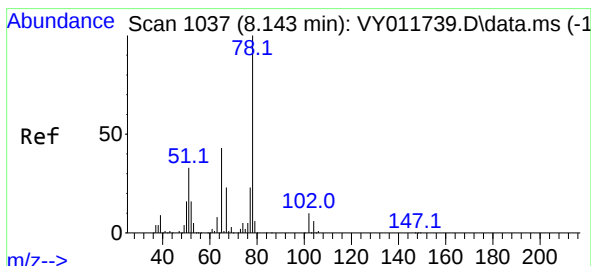
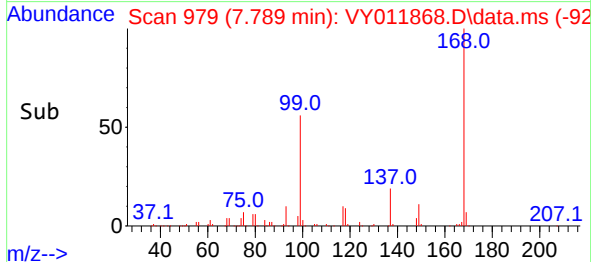
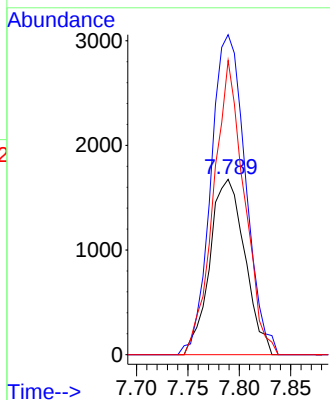
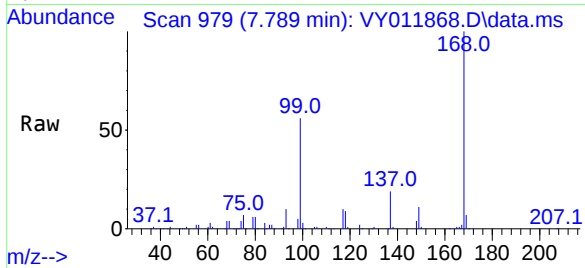




#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY011868.D
Acq: 15 Dec 2022 13:51

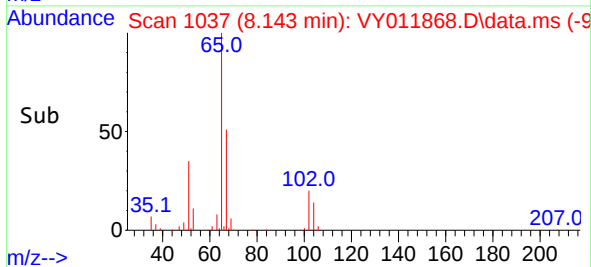
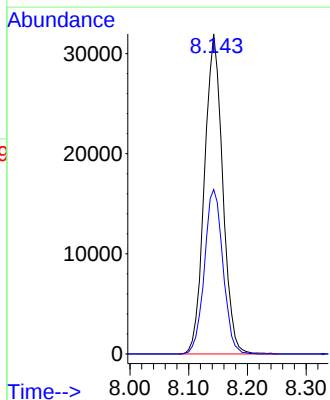
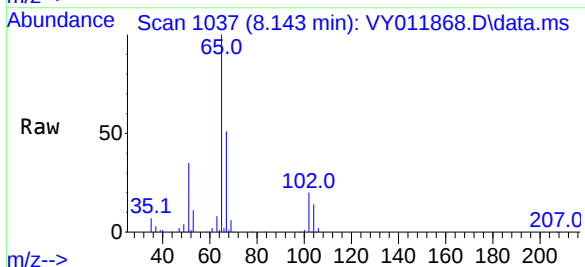
Instrument :
MSVOA_Y
ClientSampleId :
RB-36-(0-2)

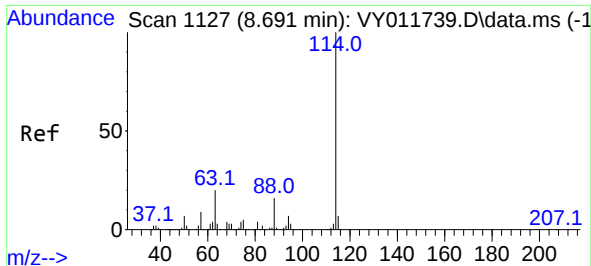
Tgt Ion: 56 Resp: 3973
Ion Ratio Lower Upper
56 100
69 182.5 29.2 43.8#
84 172.1 72.6 108.8#



#33
1,2-Dichloroethane-d4
Concen: 51.562 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY011868.D
Acq: 15 Dec 2022 13:51

Tgt Ion: 65 Resp: 68858
Ion Ratio Lower Upper
65 100
67 52.3 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: VY011868.D

Acq: 15 Dec 2022 13:51

Instrument :

MSVOA_Y

ClientSampleId :

RB-36-(0-2)

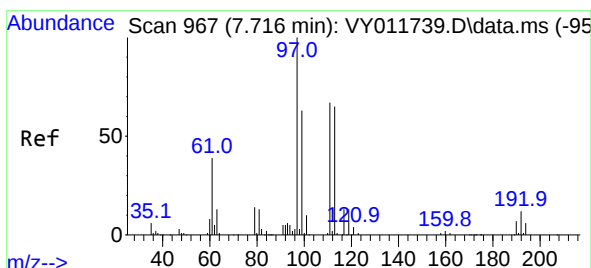
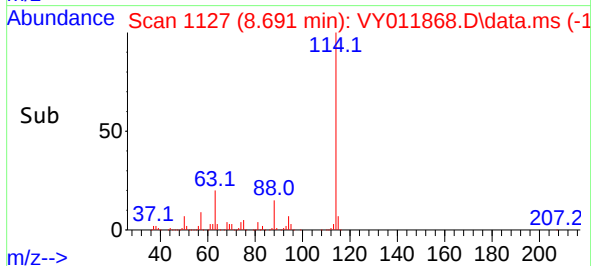
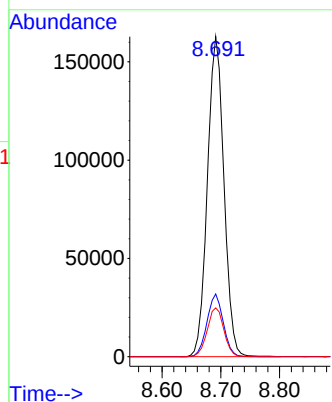
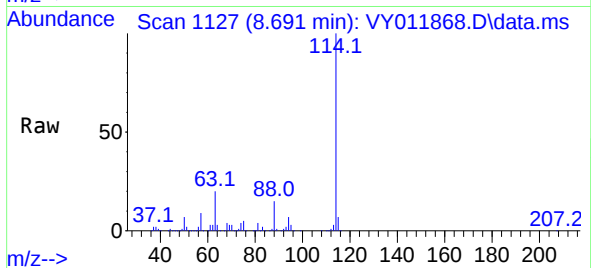
Tgt Ion:114 Resp: 318100

Ion Ratio Lower Upper

114 100

63 19.6 0.0 39.6

88 15.3 0.0 32.2



#35

Dibromofluoromethane

Concen: 55.950 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY011868.D

Acq: 15 Dec 2022 13:51

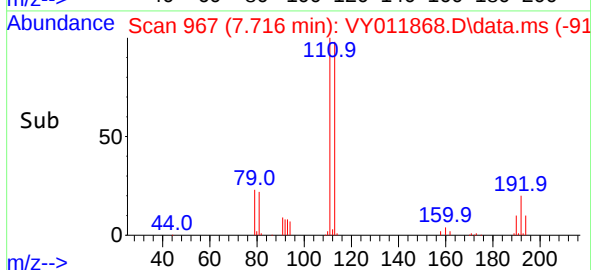
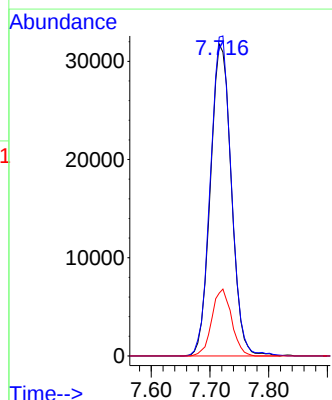
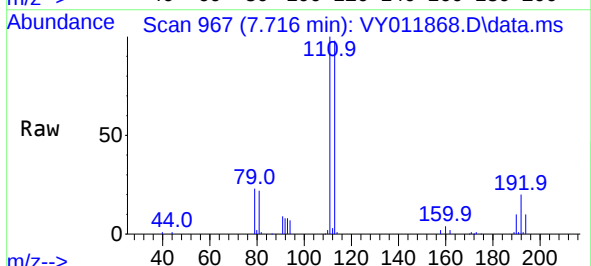
Tgt Ion:113 Resp: 78420

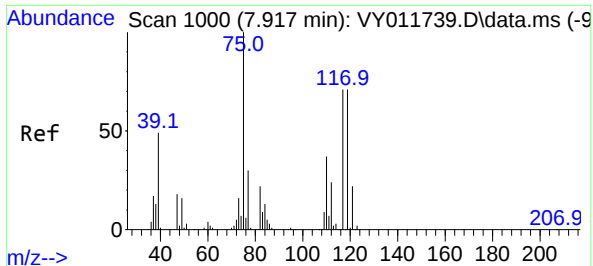
Ion Ratio Lower Upper

113 100

111 102.7 83.0 124.4

192 20.2 16.0 24.0





#36

1,1-Dichloropropene

Concen: 5.862 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY011868.D

Acq: 15 Dec 2022 13:51

Instrument :

MSVOA_Y

ClientSampleId :

RB-36-(0-2)

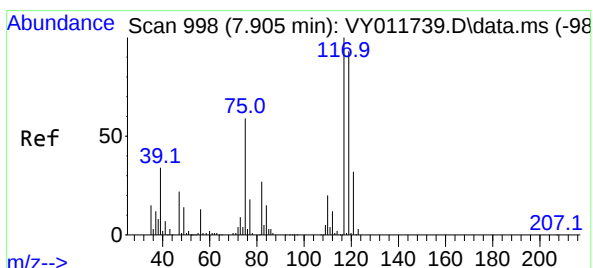
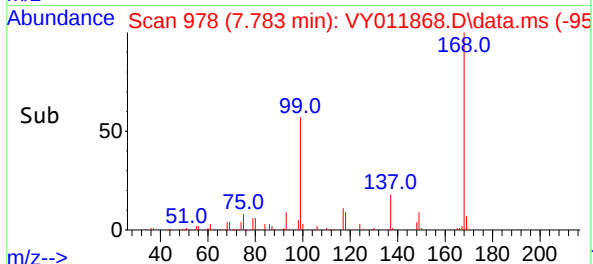
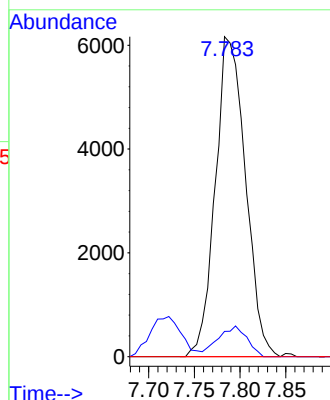
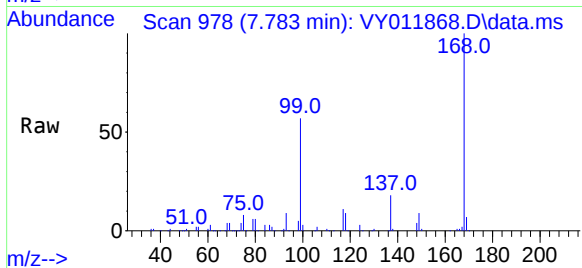
Tgt Ion: 75 Resp: 14149

Ion Ratio Lower Upper

75 100

110 9.1 18.1 54.1#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 6.943 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.116 min

Lab File: VY011868.D

Acq: 15 Dec 2022 13:51

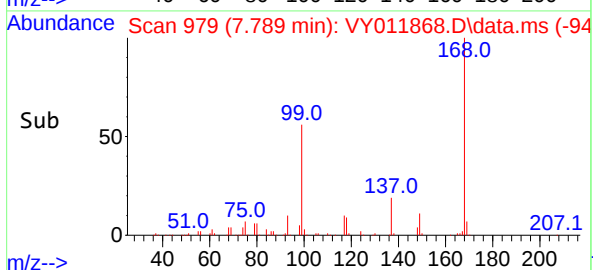
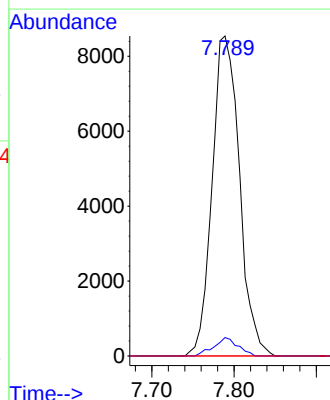
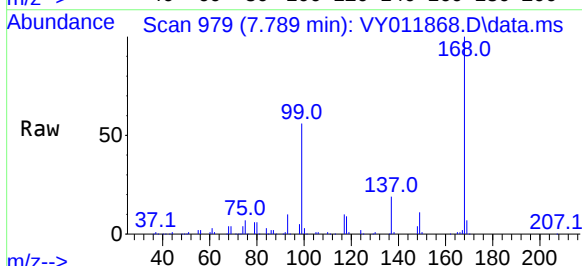
Tgt Ion: 117 Resp: 19688

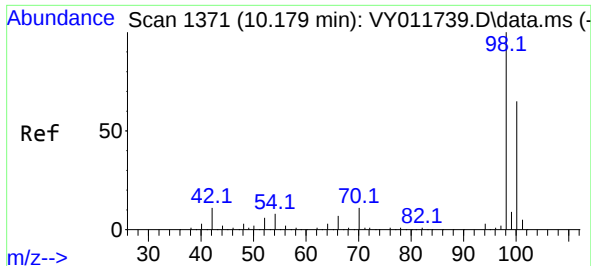
Ion Ratio Lower Upper

117 100

119 5.7 73.8 110.8#

121 0.0 25.2 37.8#

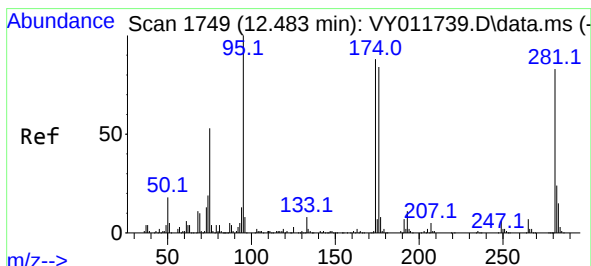
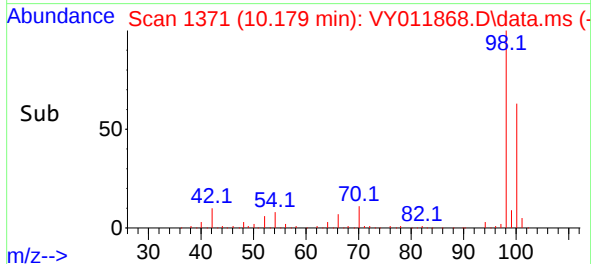
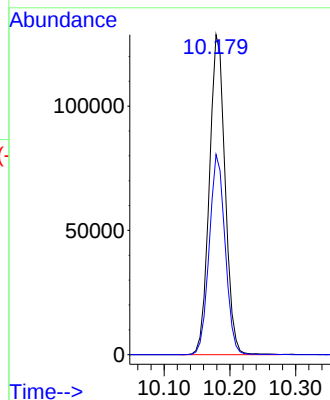
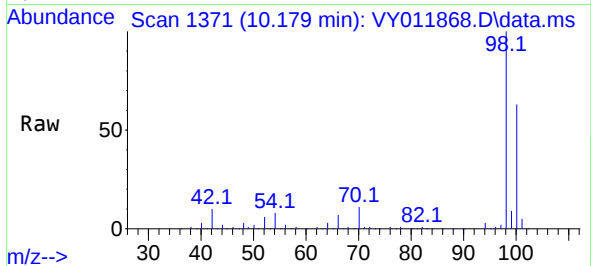




#50
Toluene-d8
Concen: 45.786 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011868.D
Acq: 15 Dec 2022 13:51

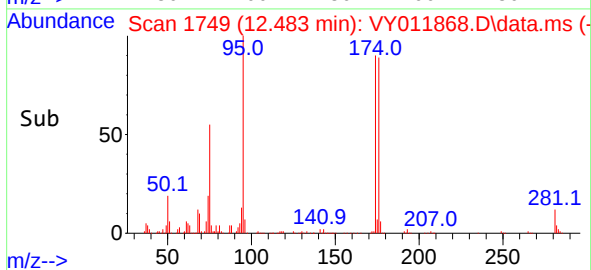
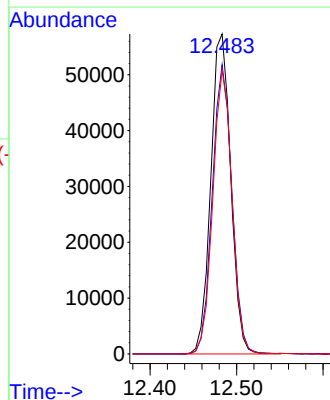
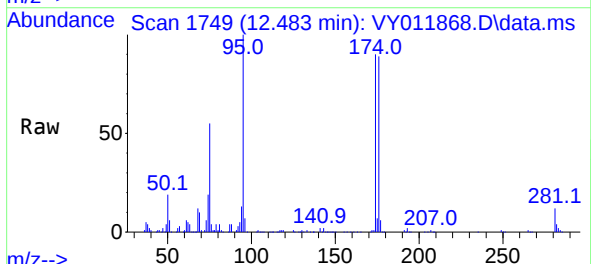
Instrument :
MSVOA_Y
ClientSampleId :
RB-36-(0-2)

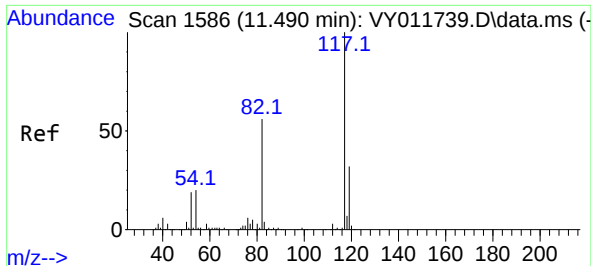
Tgt Ion: 98 Resp: 214747
Ion Ratio Lower Upper
98 100
100 63.0 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 49.751 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011868.D
Acq: 15 Dec 2022 13:51

Tgt Ion: 95 Resp: 91796
Ion Ratio Lower Upper
95 100
174 88.6 0.0 172.0
176 85.5 0.0 167.6

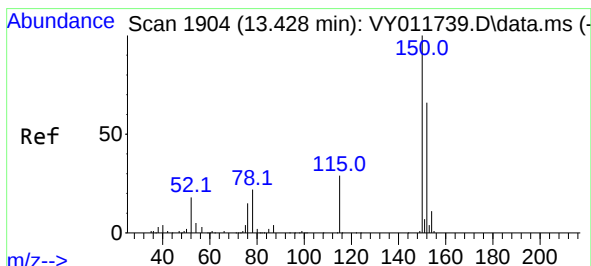
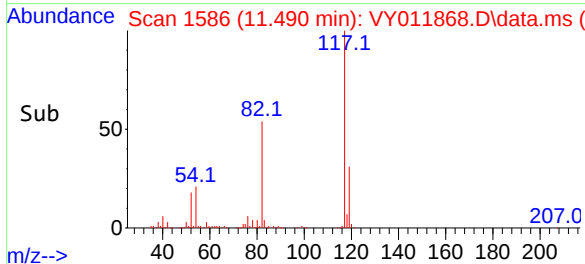
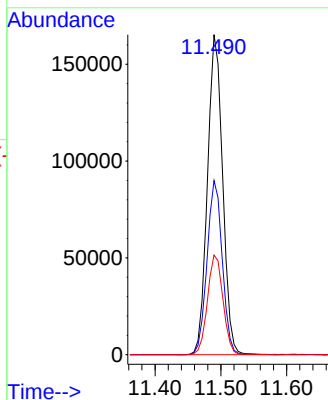
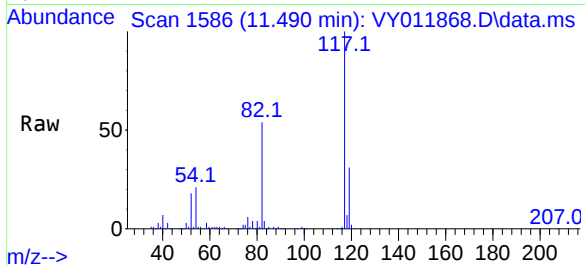




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY011868.D
Acq: 15 Dec 2022 13:51

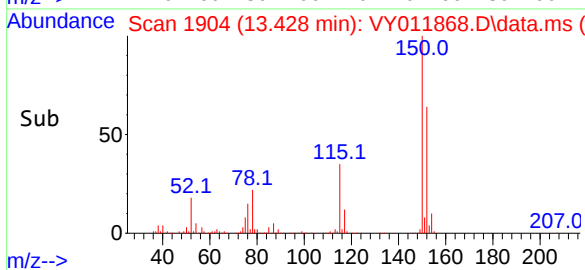
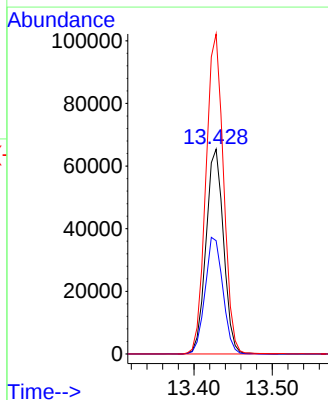
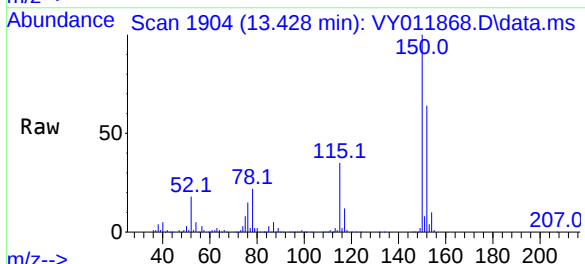
Instrument :
MSVOA_Y
ClientSampleId :
RB-36-(0-2)

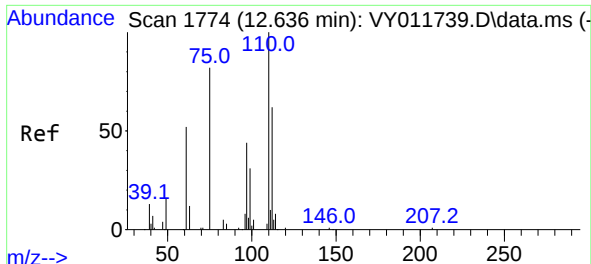
Tgt Ion:117 Resp: 265622
Ion Ratio Lower Upper
117 100
82 54.4 44.8 67.2
119 31.1 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY011868.D
Acq: 15 Dec 2022 13:51

Tgt Ion:152 Resp: 101368
Ion Ratio Lower Upper
152 100
115 57.8 29.1 87.3
150 157.3 0.0 342.6

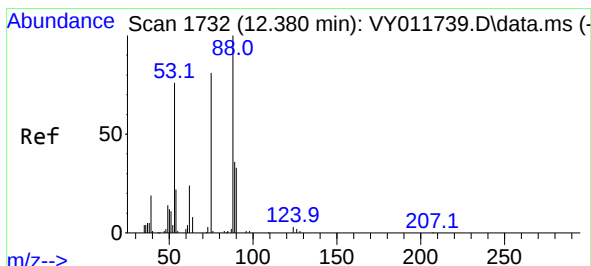
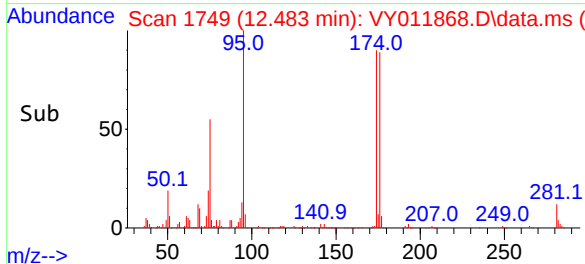
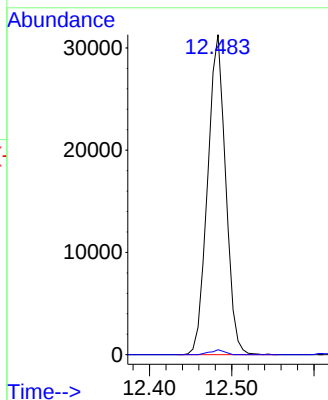
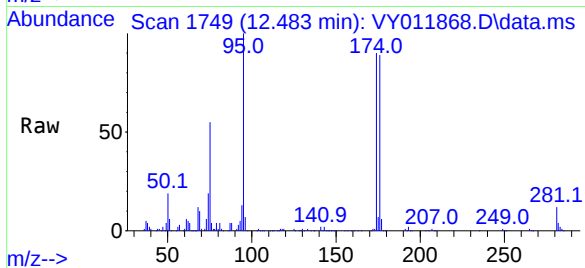




#76
1,2,3-Trichloropropane
Concen: 46.543 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY011868.D
Acq: 15 Dec 2022 13:51

Instrument :
MSVOA_Y
ClientSampleId :
RB-36-(0-2)

Tgt Ion: 75 Resp: 47733
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 105.614 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY011868.D
Acq: 15 Dec 2022 13:51

Tgt Ion: 75 Resp: 47733
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.1 37.0 55.4#

