

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121422\
 Data File : VY011849.D
 Acq On : 14 Dec 2022 16:42
 Operator : KP/MD
 Sample : N6038-02
 Misc : 1.92g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RB-29-(8-10)

Quant Time: Dec 15 01:21:47 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)

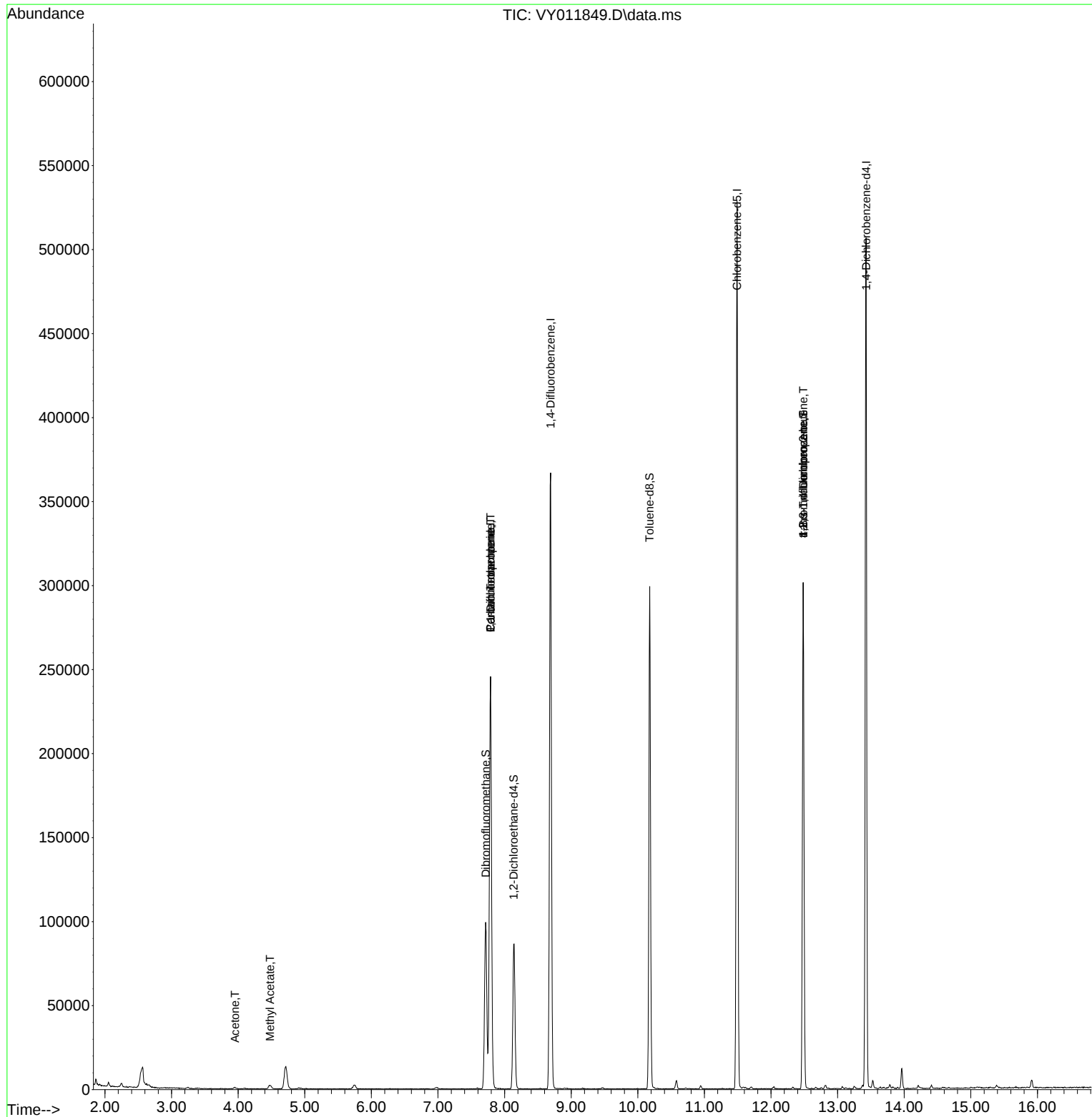
Internal Standards						
1) Pentafluorobenzene	7.789	168	189428	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	315893	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	284017	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	133490	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	68891	53.645	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.280%	
35) Dibromofluoromethane	7.715	113	69617	49.569	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.140%	
50) Toluene-d8	10.178	98	194805	41.162	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 82.320%	
62) 4-Bromofluorobenzene	12.483	95	77471	41.526	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 83.060%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	69	Below Cal	#	41
3) Chloromethane	2.125	50	201	Below Cal	#	41
5) Bromomethane	2.625	94	296	Below Cal		84
11) Tert butyl alcohol	4.972	59	64	Below Cal	#	74
16) Acetone	3.954	43	1448	2.799	ug/l #	80
18) Methyl Acetate	4.478	43	4419	1.895	ug/l	100
20) Methylene Chloride	4.710	84	10561	Below Cal		99
31) Cyclohexane	7.789	56	3989	Below Cal	#	1
36) 1,1-Dichloropropene	7.789	75	13711	5.720	ug/l #	49
38) Carbon Tetrachloride	7.789	117	19214	6.824	ug/l #	18
76) 1,2,3-Trichloropropane	12.483	75	39979	29.602	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	39979	67.172	ug/l #	13

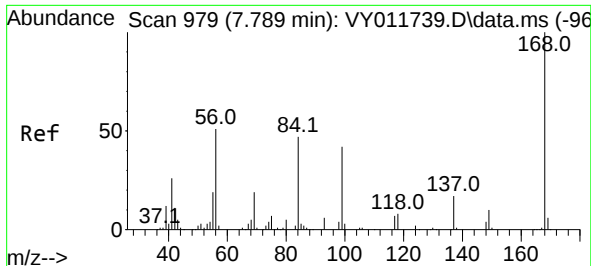
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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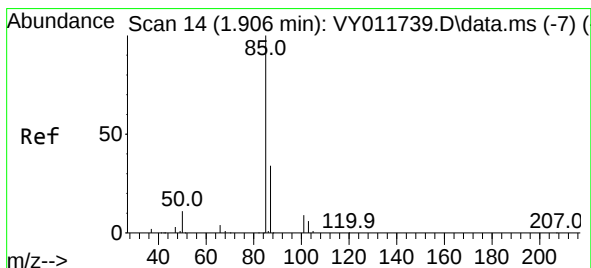
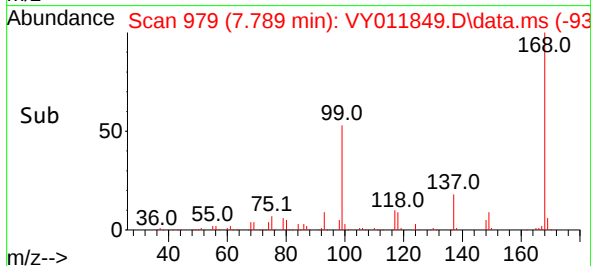
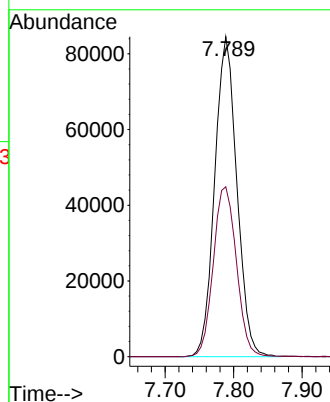
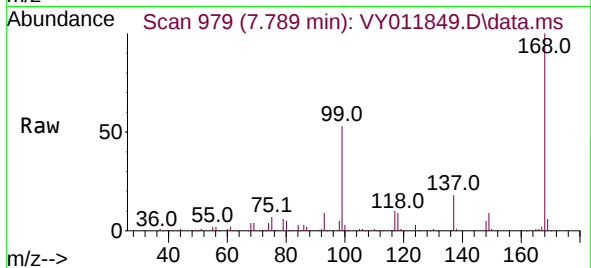




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011849.D
Acq: 14 Dec 2022 16:42

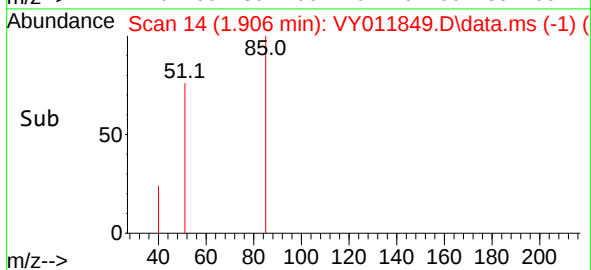
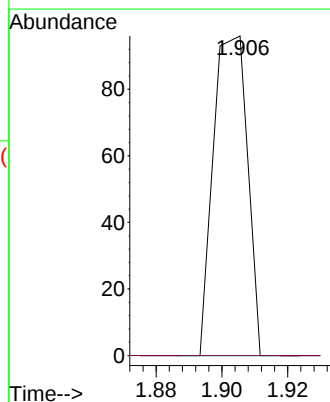
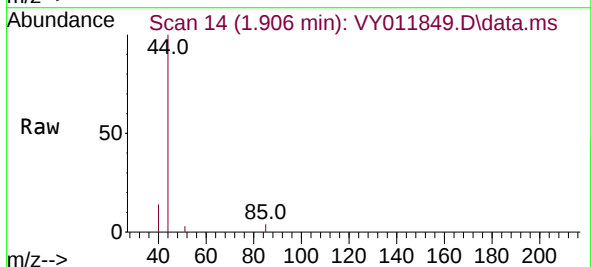
Instrument :
MSVOA_Y
ClientSampleId :
RB-29-(8-10)

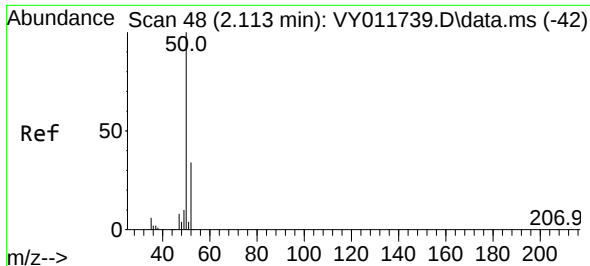
Tgt Ion:168 Resp: 189428
Ion Ratio Lower Upper
168 100
99 53.1 44.0 66.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY011849.D
Acq: 14 Dec 2022 16:42

Tgt Ion: 85 Resp: 69
Ion Ratio Lower Upper
85 100
87 0.0 16.8 50.4#

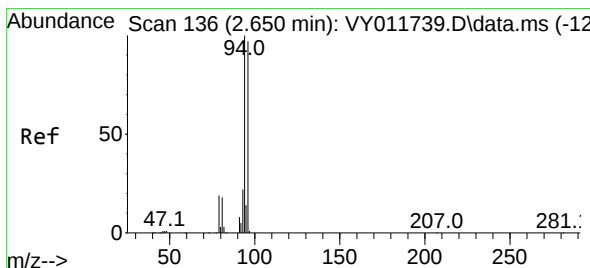
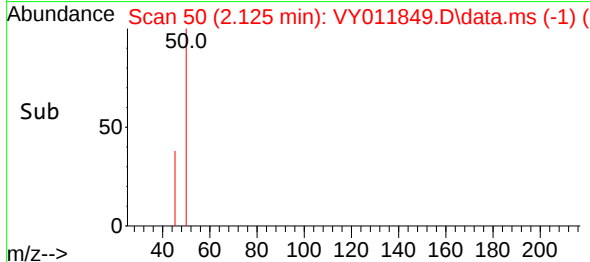
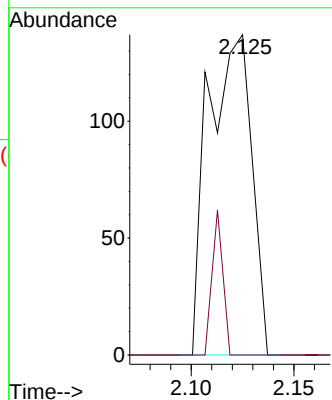
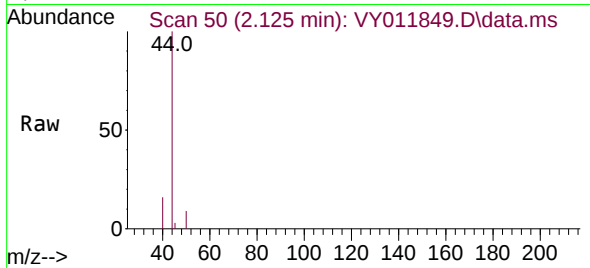




#3
Chloromethane
Concen: Below Cal
RT: 2.125 min Scan# 50
Delta R.T. 0.012 min
Lab File: VY011849.D
Acq: 14 Dec 2022 16:42

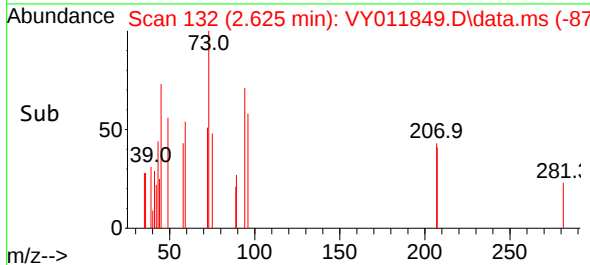
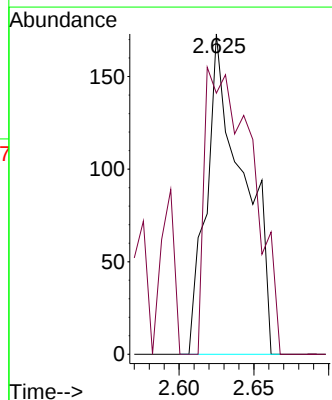
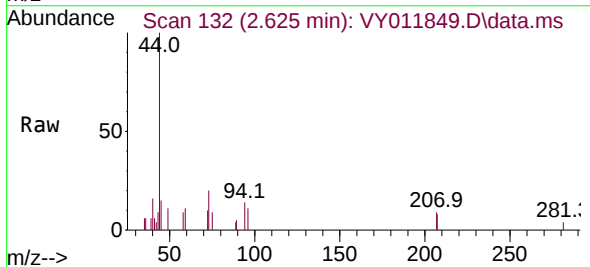
Instrument :
MSVOA_Y
ClientSampleId :
RB-29-(8-10)

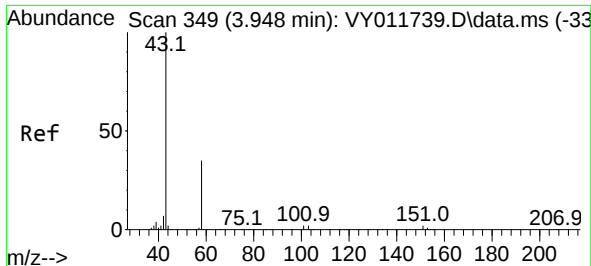
Tgt Ion: 50 Resp: 201
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#



#5
Bromomethane
Concen: Below Cal
RT: 2.625 min Scan# 132
Delta R.T. -0.025 min
Lab File: VY011849.D
Acq: 14 Dec 2022 16:42

Tgt Ion: 94 Resp: 296
Ion Ratio Lower Upper
94 100
96 81.5 77.4 116.2

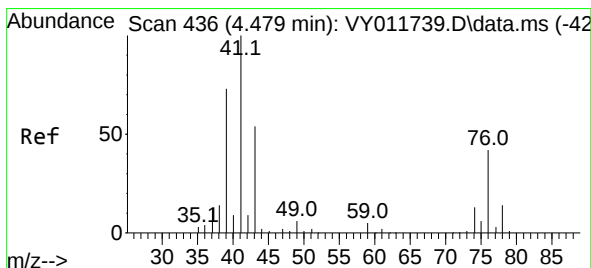
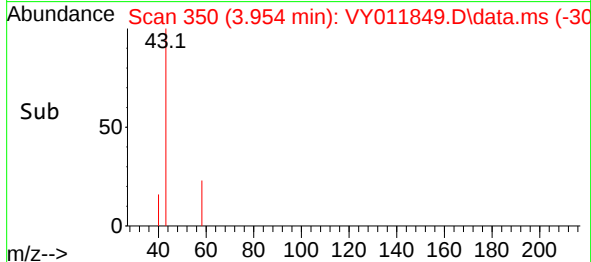
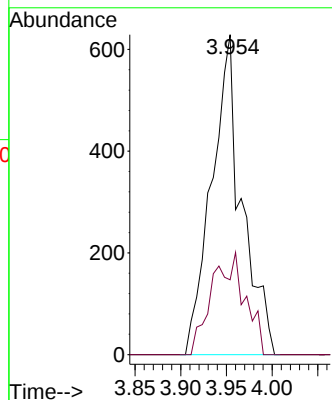
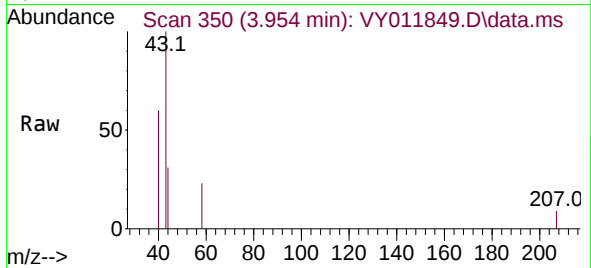




#16
Acetone
Concen: 2.799 ug/l
RT: 3.954 min Scan# 311
Delta R.T. 0.006 min
Lab File: VY011849.D
Acq: 14 Dec 2022 16:42

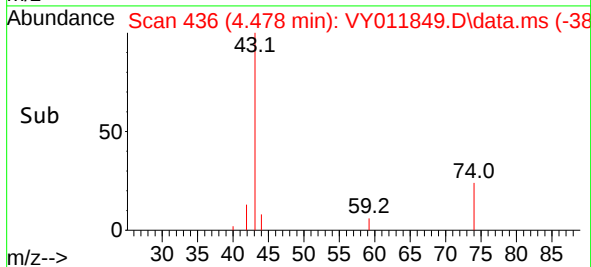
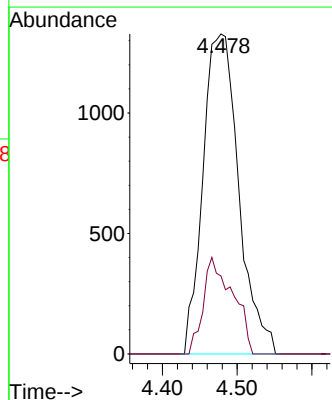
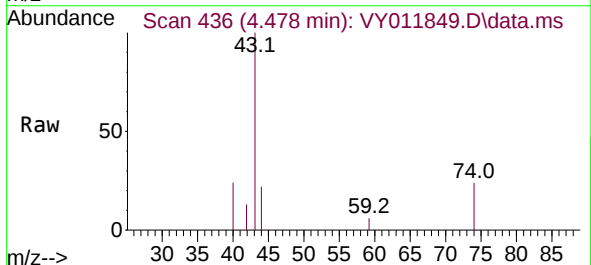
Instrument :
MSVOA_Y
ClientSampleId :
RB-29-(8-10)

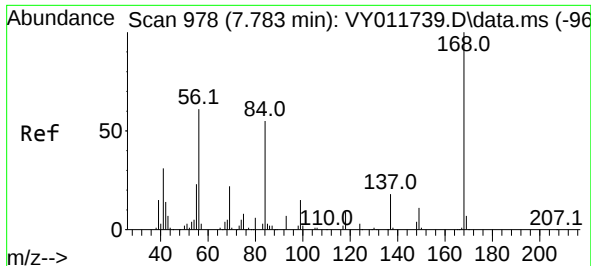
Tgt Ion: 43 Resp: 1448
Ion Ratio Lower Upper
43 100
58 23.4 27.9 41.9#



#18
Methyl Acetate
Concen: 1.895 ug/l
RT: 4.478 min Scan# 436
Delta R.T. -0.001 min
Lab File: VY011849.D
Acq: 14 Dec 2022 16:42

Tgt Ion: 43 Resp: 4419
Ion Ratio Lower Upper
43 100
74 24.9 20.1 30.1

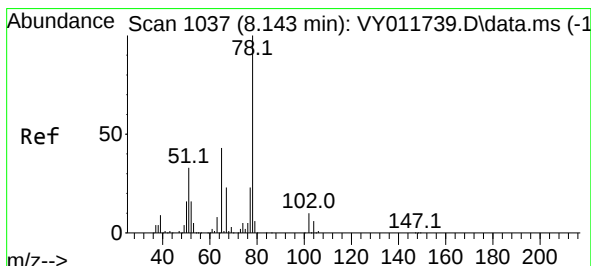
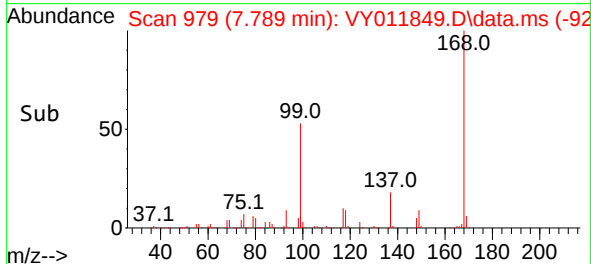
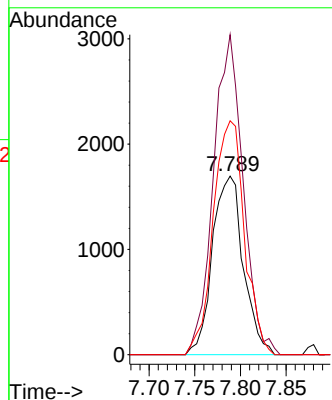
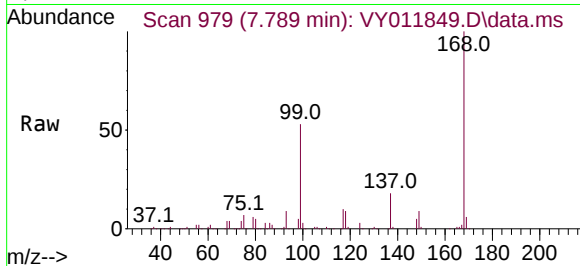




#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY011849.D
Acq: 14 Dec 2022 16:42

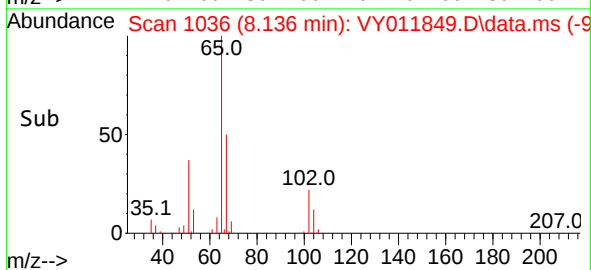
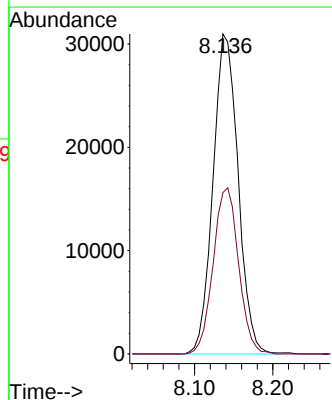
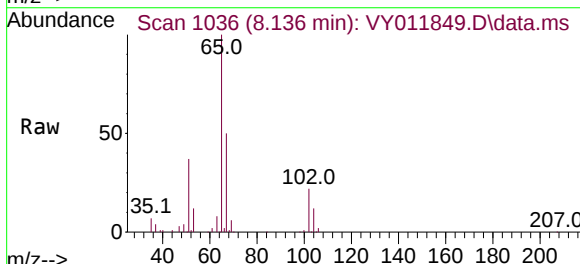
Instrument :
MSVOA_Y
ClientSampleId :
RB-29-(8-10)

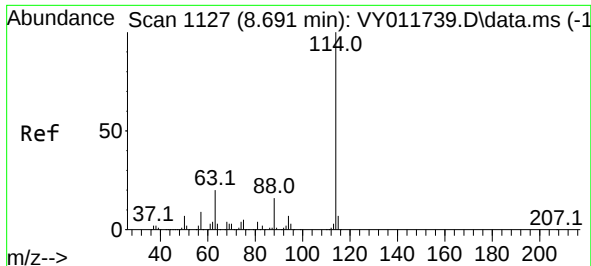
Tgt Ion: 56 Resp: 3989
Ion Ratio Lower Upper
56 100
69 179.1 29.2 43.8#
84 130.9 72.6 108.8#



#33
1,2-Dichloroethane-d4
Concen: 53.645 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.007 min
Lab File: VY011849.D
Acq: 14 Dec 2022 16:42

Tgt Ion: 65 Resp: 68891
Ion Ratio Lower Upper
65 100
67 52.6 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: VY011849.D

Acq: 14 Dec 2022 16:42

Instrument :

MSVOA_Y

ClientSampleId :

RB-29-(8-10)

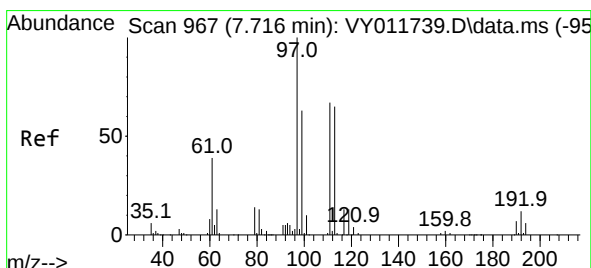
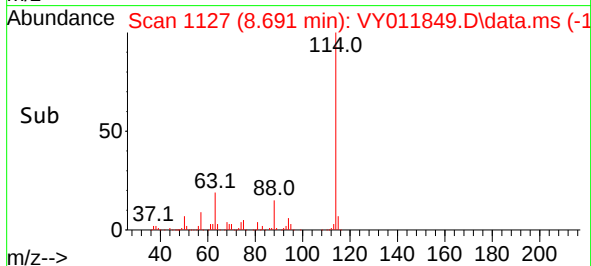
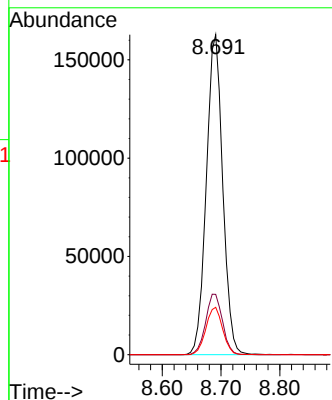
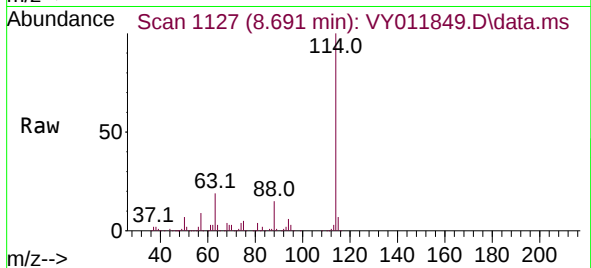
Tgt Ion:114 Resp: 315893

Ion Ratio Lower Upper

114 100

63 18.9 0.0 39.6

88 14.8 0.0 32.2



#35

Dibromofluoromethane

Concen: 49.569 ug/l

RT: 7.715 min Scan# 967

Delta R.T. -0.001 min

Lab File: VY011849.D

Acq: 14 Dec 2022 16:42

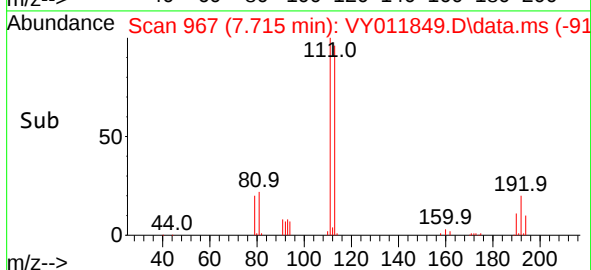
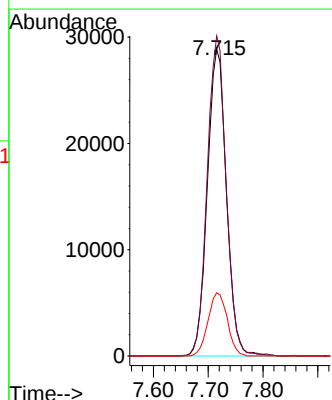
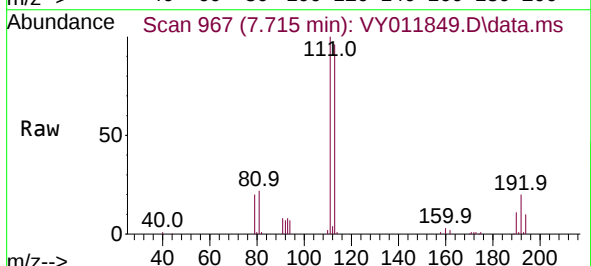
Tgt Ion:113 Resp: 69617

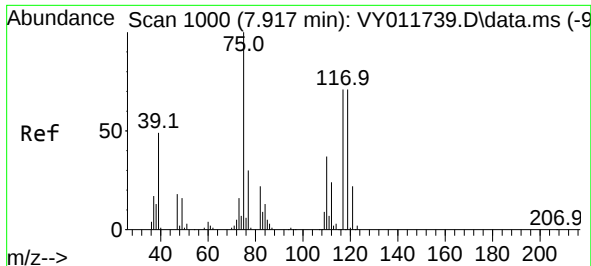
Ion Ratio Lower Upper

113 100

111 103.7 83.0 124.4

192 20.8 16.0 24.0





#36

1,1-Dichloropropene

Concen: 5.720 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY011849.D

Acq: 14 Dec 2022 16:42

Instrument :

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ClientSampleId :

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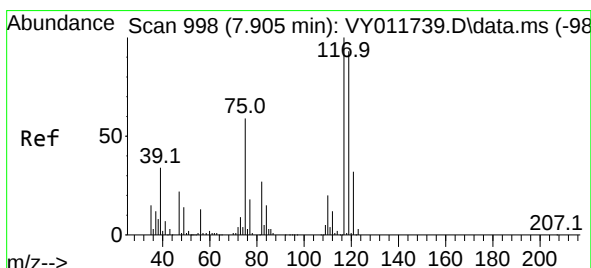
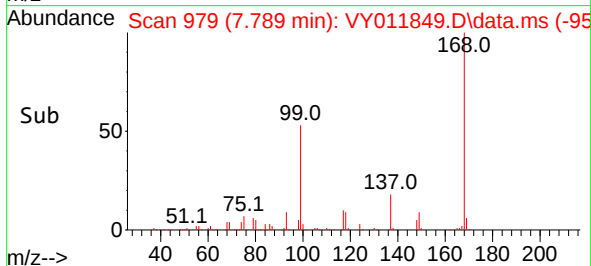
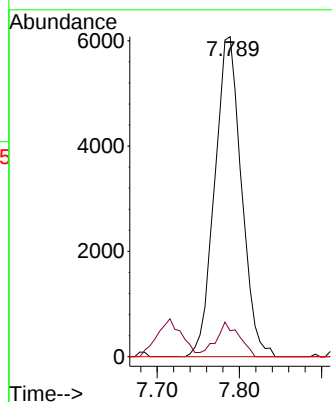
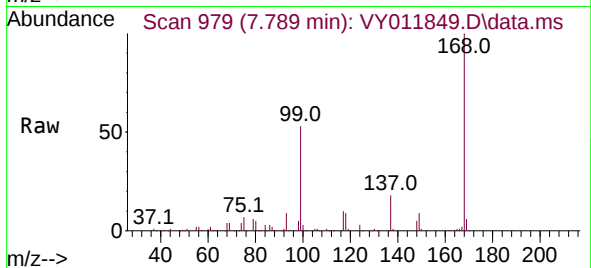
Tgt Ion: 75 Resp: 13711

Ion Ratio Lower Upper

75 100

110 9.3 18.1 54.1#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 6.824 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.116 min

Lab File: VY011849.D

Acq: 14 Dec 2022 16:42

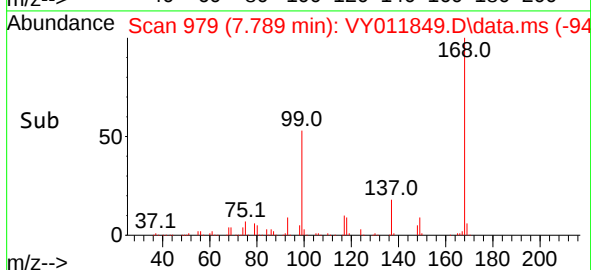
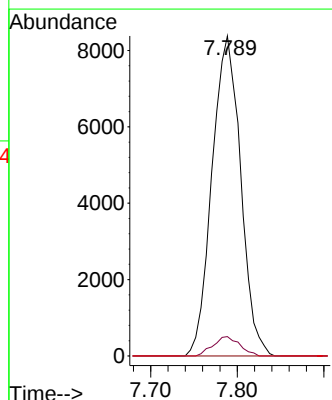
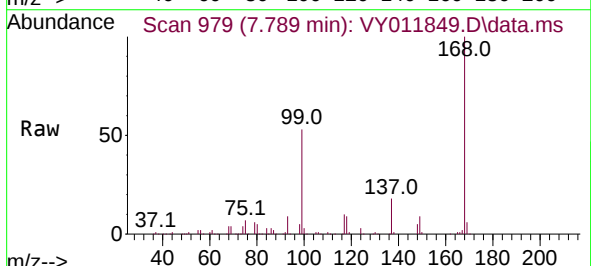
Tgt Ion: 117 Resp: 19214

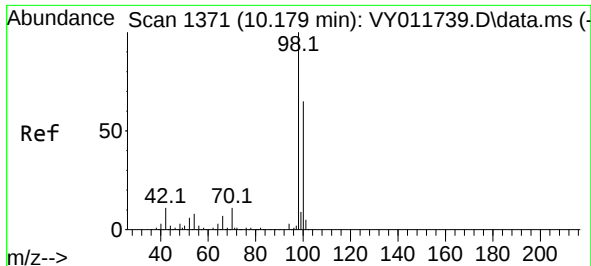
Ion Ratio Lower Upper

117 100

119 6.1 73.8 110.8#

121 0.0 25.2 37.8#

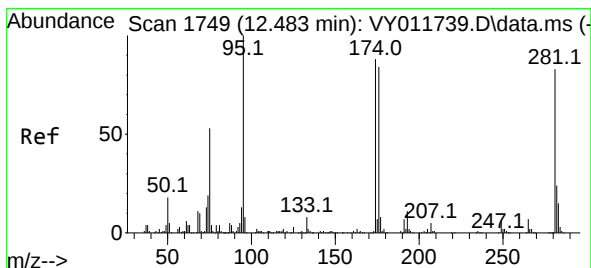
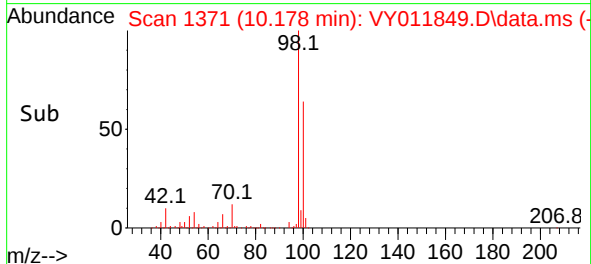
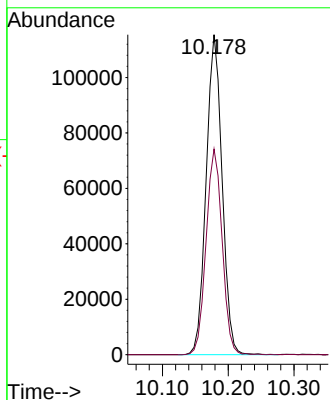
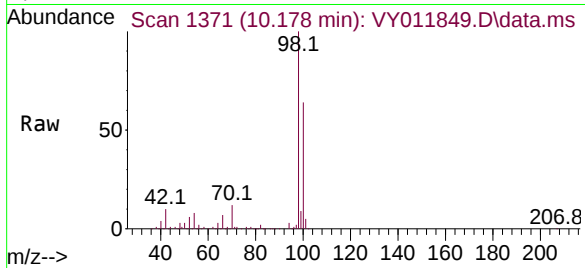




#50
Toluene-d8
Concen: 41.162 ug/l
RT: 10.178 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY011849.D
Acq: 14 Dec 2022 16:42

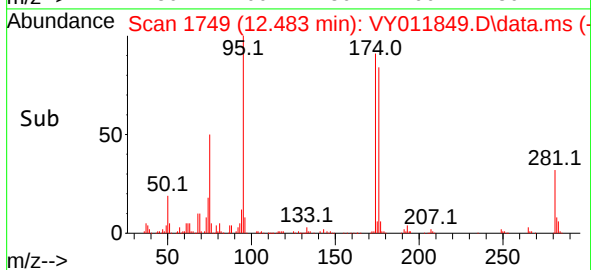
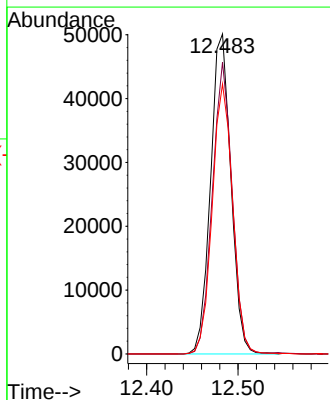
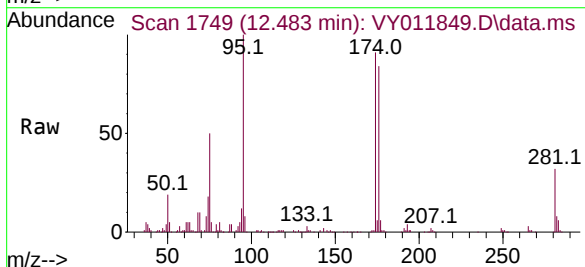
Instrument :
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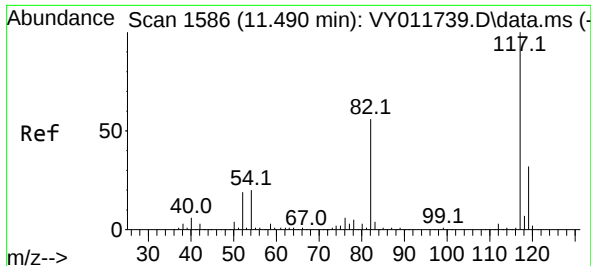
Tgt Ion: 98 Resp: 194805
Ion Ratio Lower Upper
98 100
100 64.7 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 41.526 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY011849.D
Acq: 14 Dec 2022 16:42

Tgt Ion: 95 Resp: 77471
Ion Ratio Lower Upper
95 100
174 89.0 0.0 172.0
176 85.0 0.0 167.6

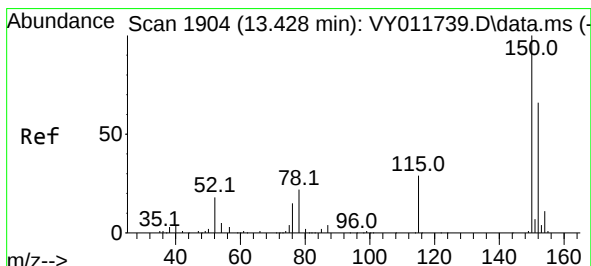
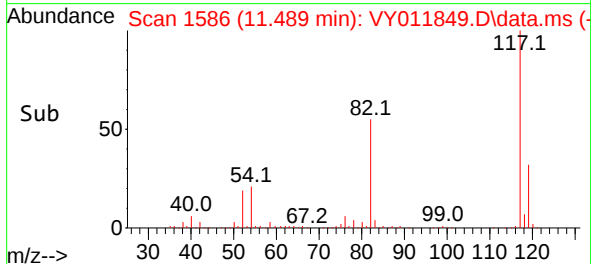
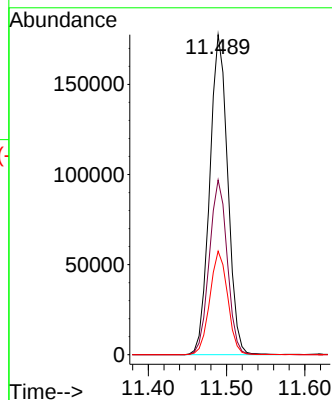
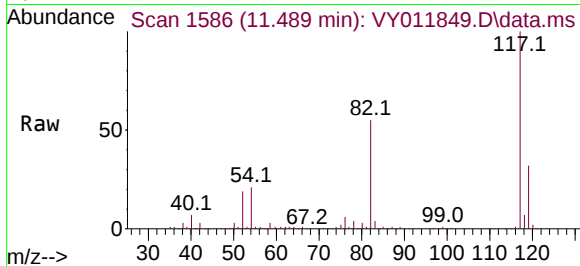




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY011849.D
Acq: 14 Dec 2022 16:42

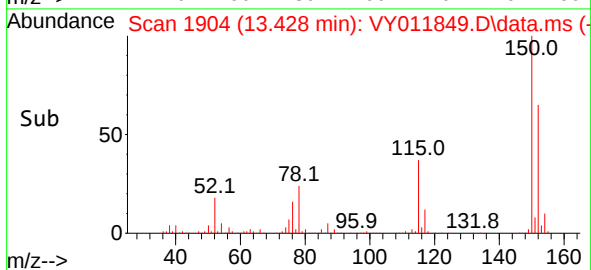
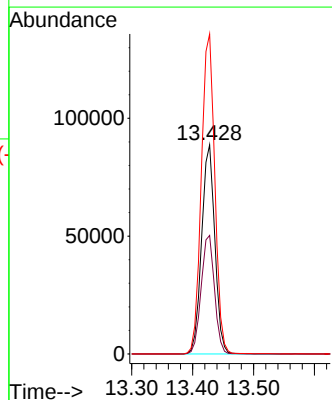
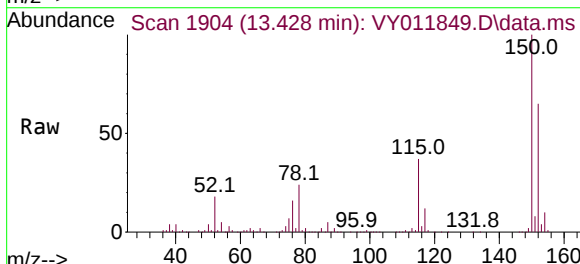
Instrument :
MSVOA_Y
ClientSampleId :
RB-29-(8-10)

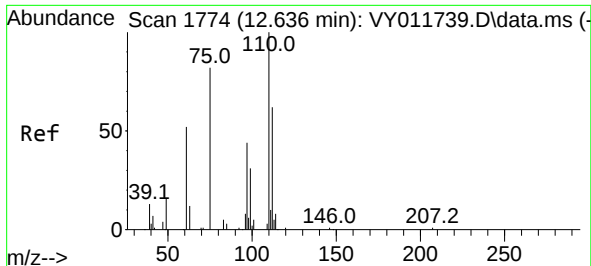
Tgt Ion:117 Resp: 284017
Ion Ratio Lower Upper
117 100
82 54.6 44.8 67.2
119 32.3 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY011849.D
Acq: 14 Dec 2022 16:42

Tgt Ion:152 Resp: 133490
Ion Ratio Lower Upper
152 100
115 57.3 29.1 87.3
150 156.1 0.0 342.6

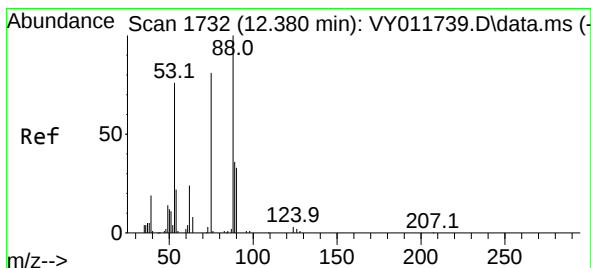
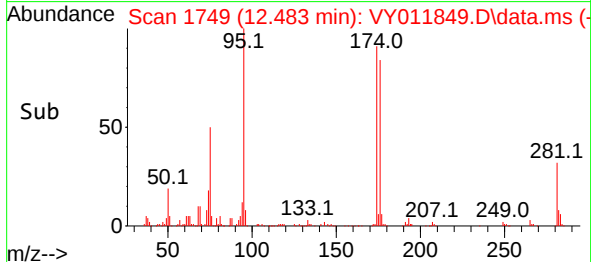
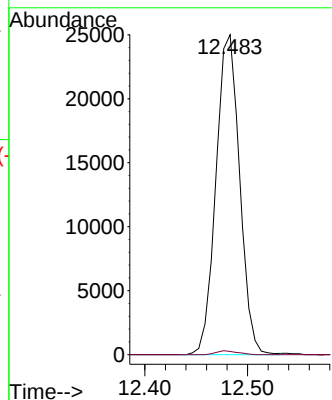
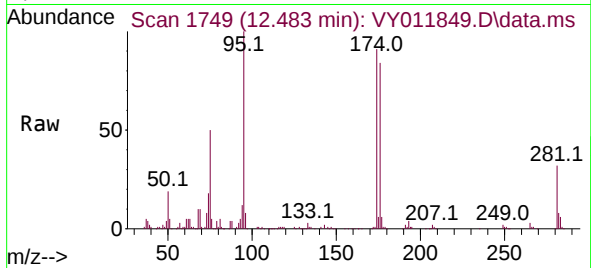




#76
1,2,3-Trichloropropane
Concen: 29.602 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY011849.D
Acq: 14 Dec 2022 16:42

Instrument :
MSVOA_Y
ClientSampleId :
RB-29-(8-10)

Tgt Ion: 75 Resp: 39979
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 67.172 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY011849.D
Acq: 14 Dec 2022 16:42

Tgt Ion: 75 Resp: 39979
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.4 37.0 55.4#

