

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121522\
 Data File : VY011869.D
 Acq On : 15 Dec 2022 14:14
 Operator : KP/MD
 Sample : N6038-15
 Misc : 4.51g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RB-36-(3-5)

Quant Time: Dec 16 00:14:23 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)

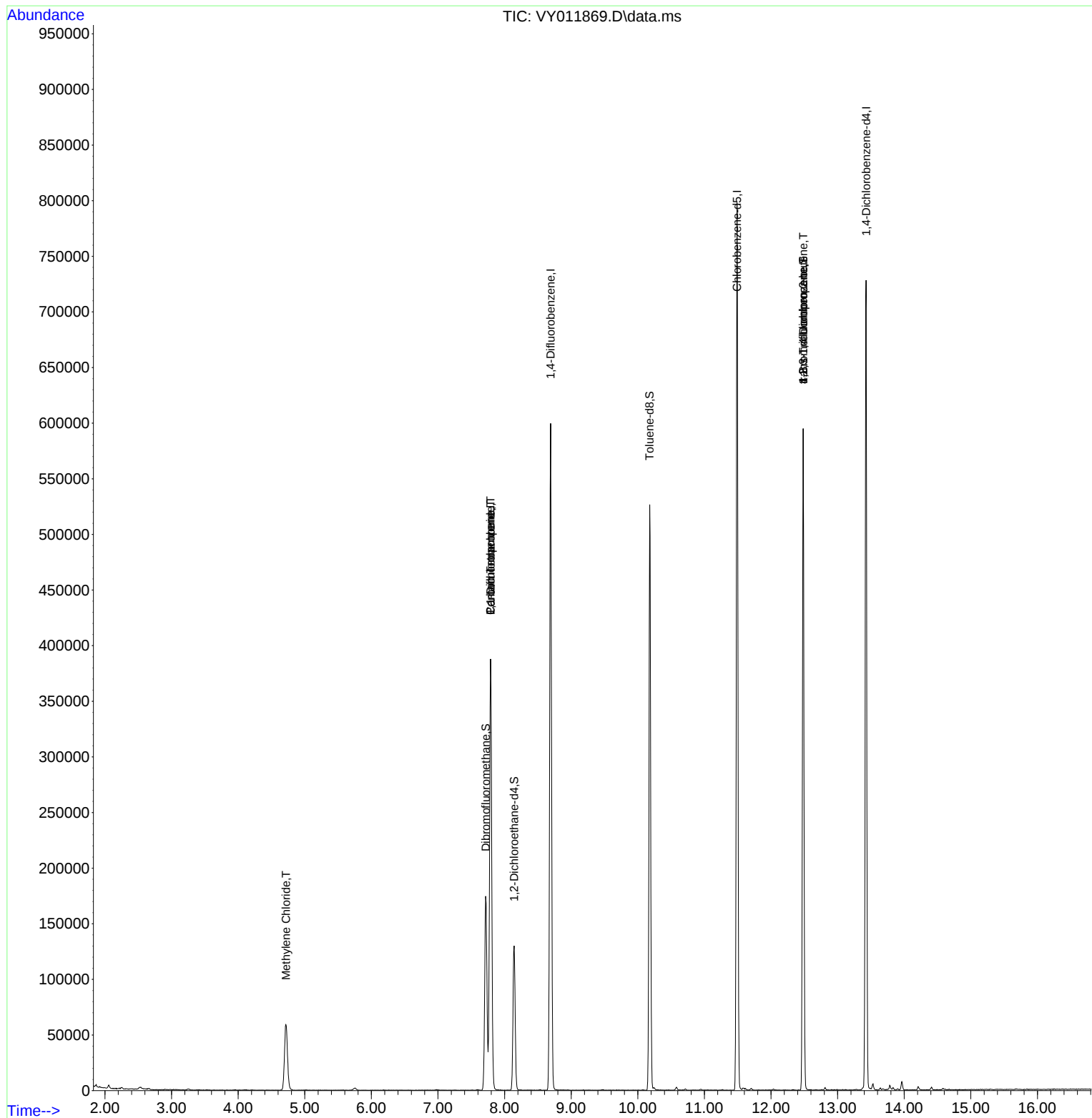
Internal Standards						
1) Pentafluorobenzene	7.789	168	302427	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	500635	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	433794	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	191867	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	106192	51.611	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.220%	
35) Dibromofluoromethane	7.716	113	121870	55.194	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 110.380%	
50) Toluene-d8	10.179	98	348043	47.378	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 94.760%	
62) 4-Bromofluorobenzene	12.483	95	167148	58.349	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 116.700%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.906	85	53	Below Cal	#	41
3) Chloromethane	2.119	50	124	Below Cal	#	41
5) Bromomethane	2.656	94	219	Below Cal		95
11) Tert butyl alcohol	4.936	59	161	Below Cal	#	74
18) Methyl Acetate	4.722	43	181	Below Cal	#	50
20) Methylene Chloride	4.716	84	47304	11.577	ug/l	97
31) Cyclohexane	7.789	56	6067	Below Cal	#	1
36) 1,1-Dichloropropene	7.789	75	22091	5.815	ug/l #	50
38) Carbon Tetrachloride	7.789	117	30147	6.756	ug/l #	17
76) 1,2,3-Trichloropropane	12.483	75	88473	45.577	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	88473	103.423	ug/l #	13

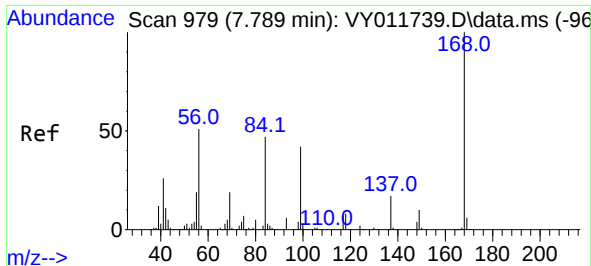
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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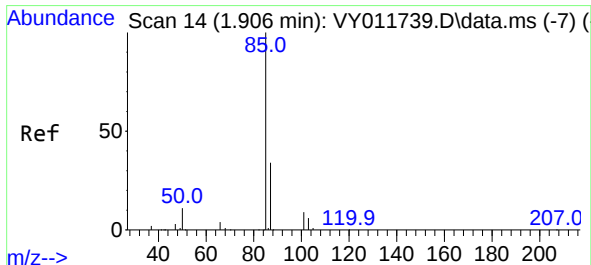
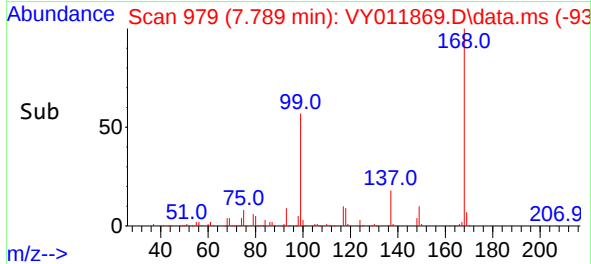
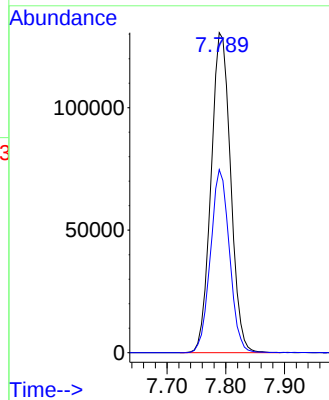
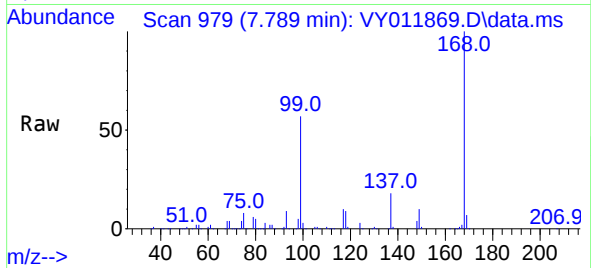




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011869.D
Acq: 15 Dec 2022 14:14

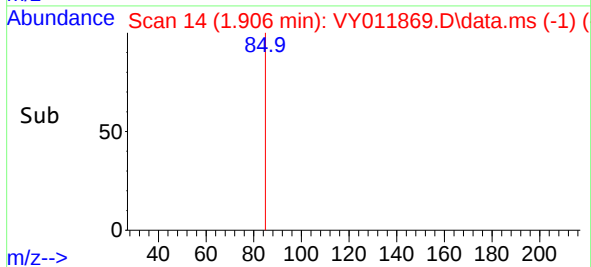
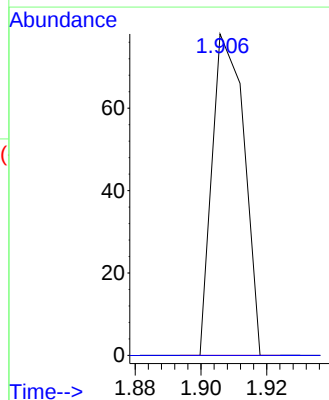
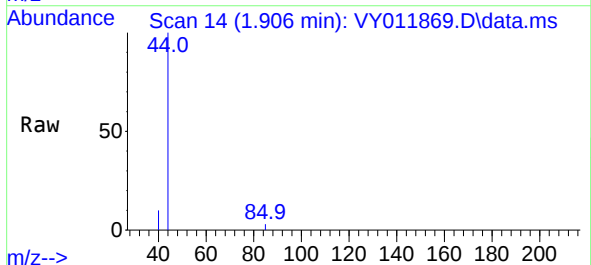
Instrument :
MSVOA_Y
ClientSampleId :
RB-36-(3-5)

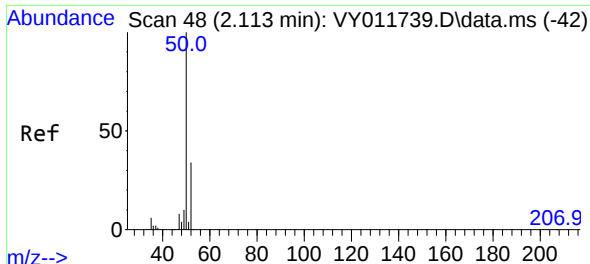
Tgt Ion:168 Resp: 302427
Ion Ratio Lower Upper
168 100
99 57.2 44.0 66.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY011869.D
Acq: 15 Dec 2022 14:14

Tgt Ion: 85 Resp: 53
Ion Ratio Lower Upper
85 100
87 0.0 16.8 50.4#

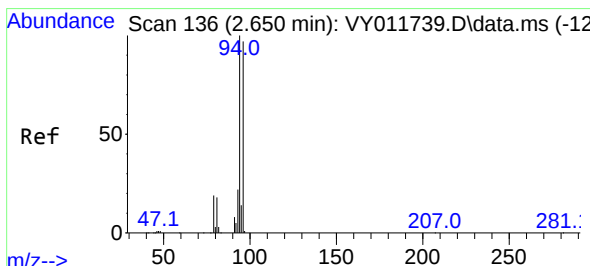
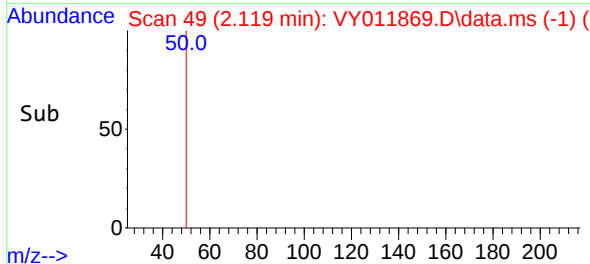
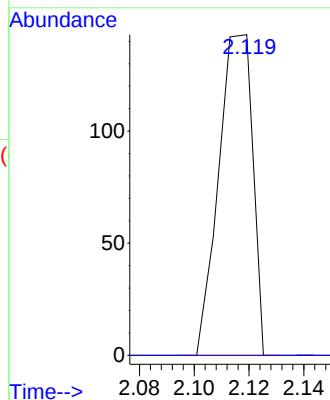
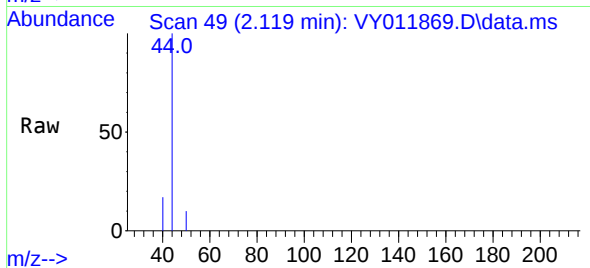




#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY011869.D
Acq: 15 Dec 2022 14:14

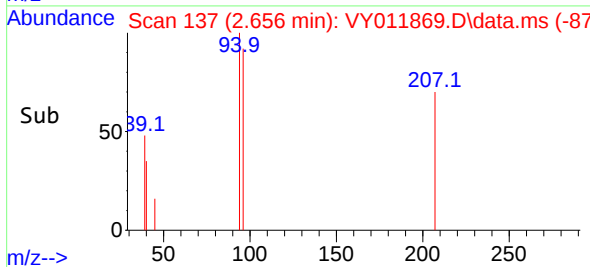
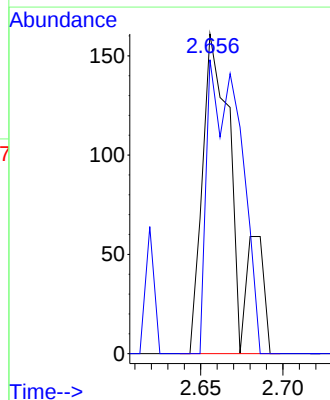
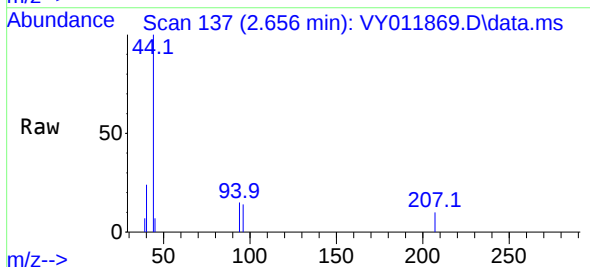
Instrument :
MSVOA_Y
ClientSampleId :
RB-36-(3-5)

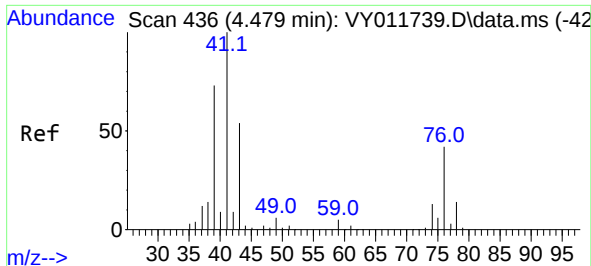
Tgt Ion: 50 Resp: 124
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#



#5
Bromomethane
Concen: Below Cal
RT: 2.656 min Scan# 137
Delta R.T. 0.006 min
Lab File: VY011869.D
Acq: 15 Dec 2022 14:14

Tgt Ion: 94 Resp: 219
Ion Ratio Lower Upper
94 100
96 91.9 77.4 116.2

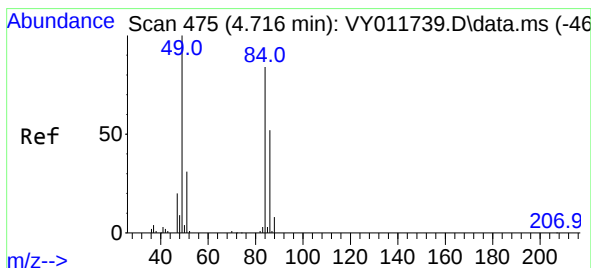
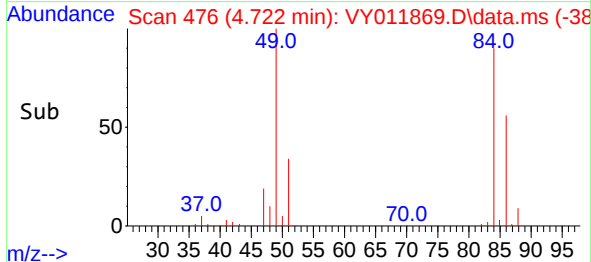
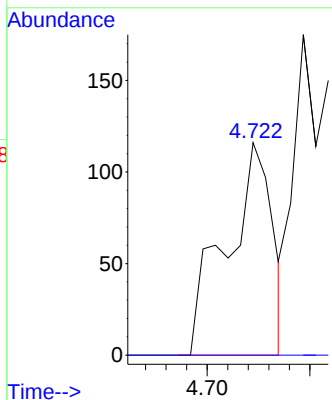
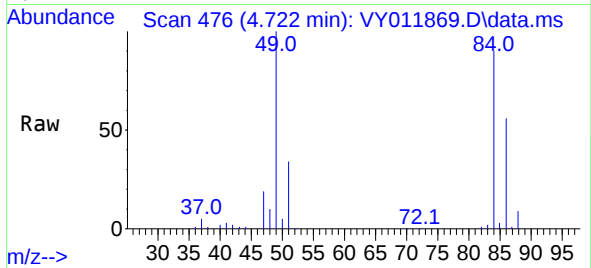




#18
Methyl Acetate
Concen: Below Cal
RT: 4.722 min Scan# 41
Delta R.T. 0.243 min
Lab File: VY011869.D
Acq: 15 Dec 2022 14:14

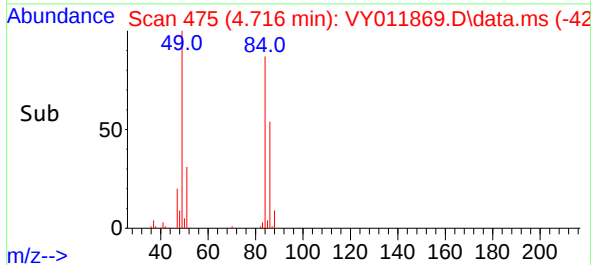
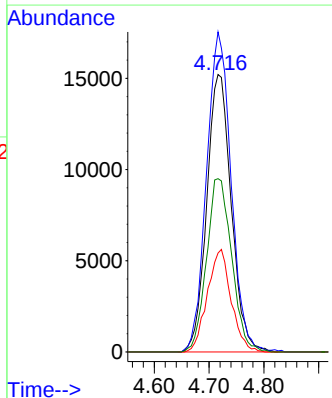
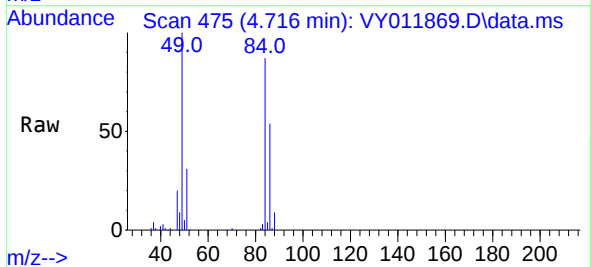
Instrument :
MSVOA_Y
ClientSampleId :
RB-36-(3-5)

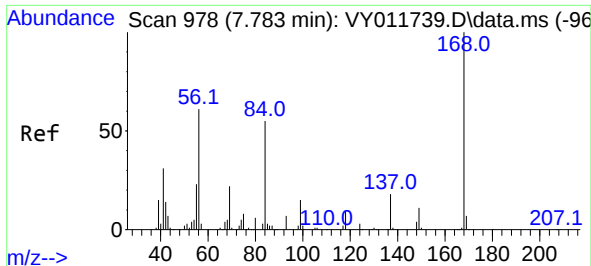
Tgt Ion: 43 Resp: 181
Ion Ratio Lower Upper
43 100
74 0.0 20.1 30.1#



#20
Methylene Chloride
Concen: 11.577 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY011869.D
Acq: 15 Dec 2022 14:14

Tgt Ion: 84 Resp: 47304
Ion Ratio Lower Upper
84 100
49 115.3 95.4 143.2
51 35.6 29.9 44.9
86 62.5 49.6 74.4

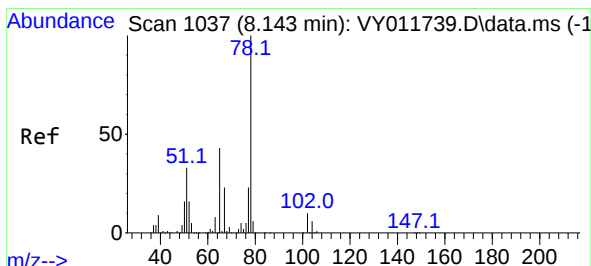
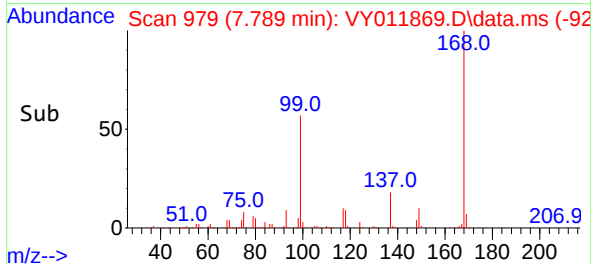
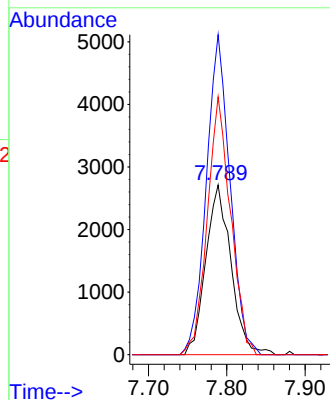
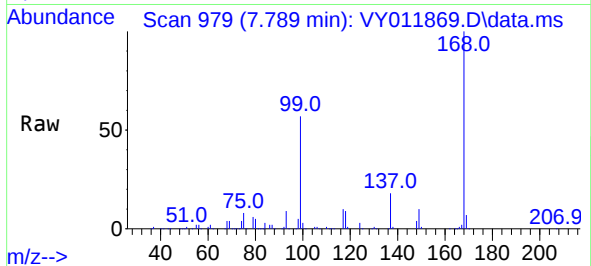




#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY011869.D
Acq: 15 Dec 2022 14:14

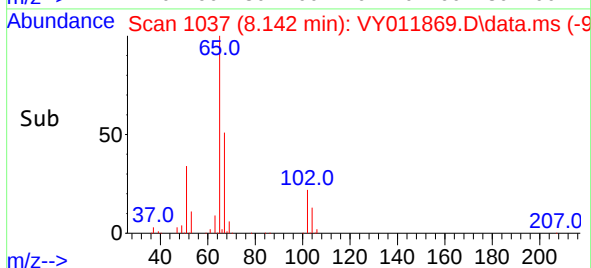
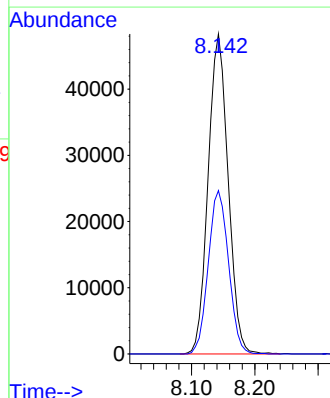
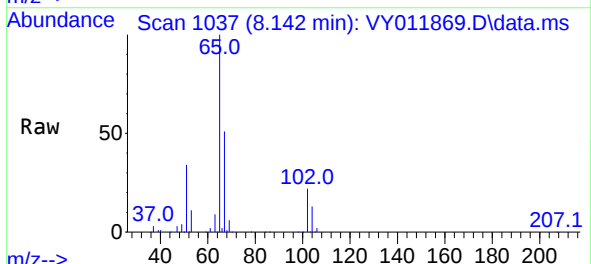
Instrument :
MSVOA_Y
ClientSampleId :
RB-36-(3-5)

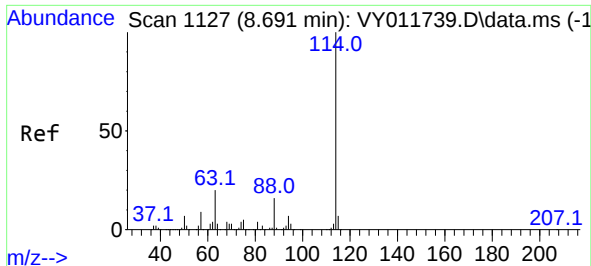
Tgt Ion: 56 Resp: 6067
Ion Ratio Lower Upper
56 100
69 188.6 29.2 43.8#
84 152.0 72.6 108.8#



#33
1,2-Dichloroethane-d4
Concen: 51.611 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.001 min
Lab File: VY011869.D
Acq: 15 Dec 2022 14:14

Tgt Ion: 65 Resp: 106192
Ion Ratio Lower Upper
65 100
67 51.7 0.0 103.2

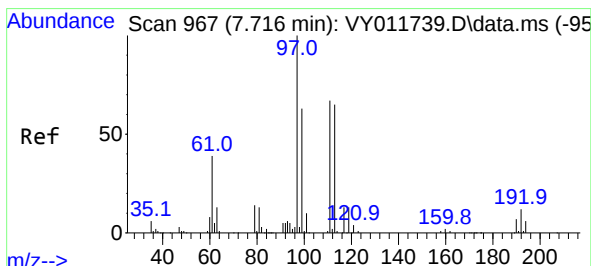
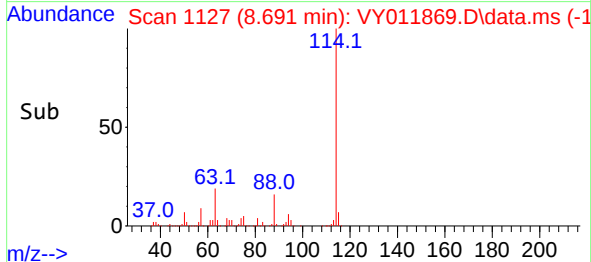
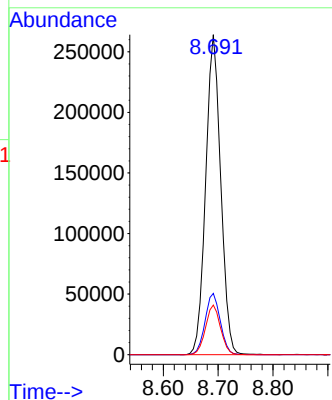
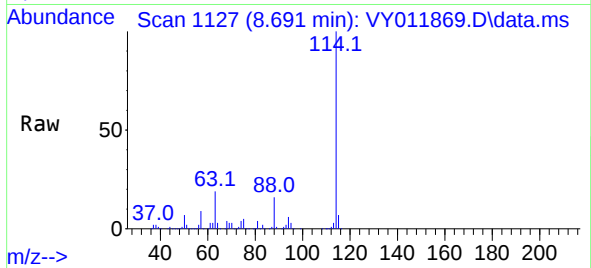




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY011869.D
Acq: 15 Dec 2022 14:14

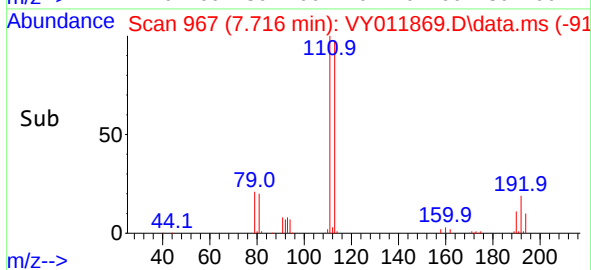
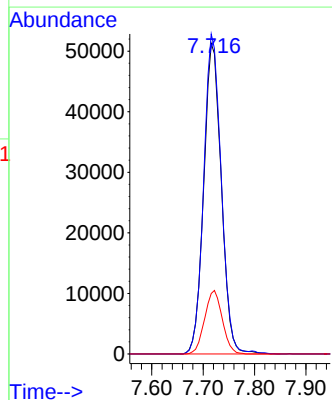
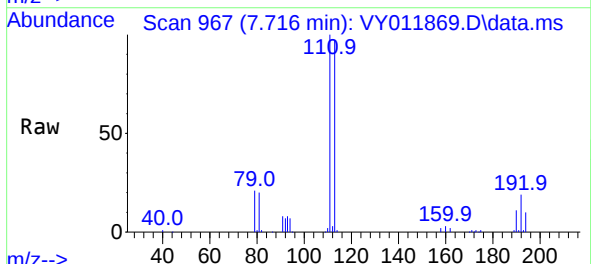
Instrument :
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RB-36-(3-5)

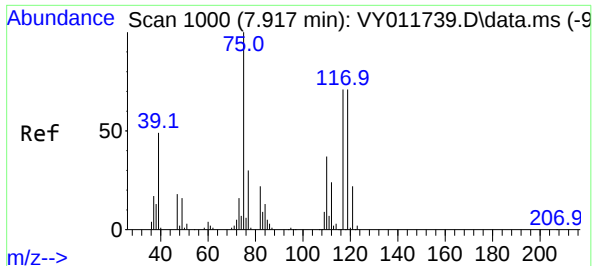
Tgt Ion:	114	Resp:	500635
Ion	Ratio	Lower	Upper
114	100		
63	19.2	0.0	39.6
88	15.5	0.0	32.2



#35
Dibromofluoromethane
Concen: 55.194 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY011869.D
Acq: 15 Dec 2022 14:14

Tgt Ion:	113	Resp:	121870
Ion	Ratio	Lower	Upper
113	100		
111	102.6	83.0	124.4
192	20.5	16.0	24.0

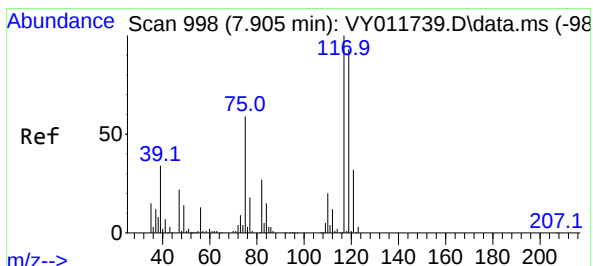
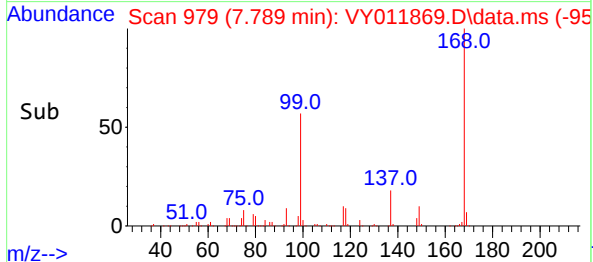
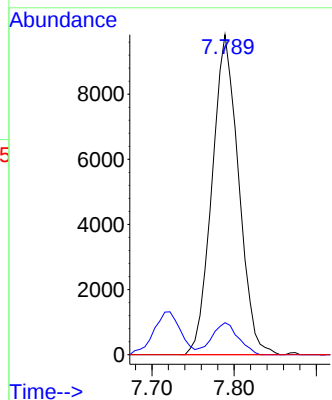
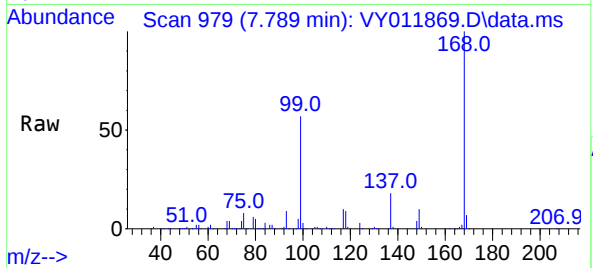




#36
1,1-Dichloropropene
Concen: 5.815 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY011869.D
Acq: 15 Dec 2022 14:14

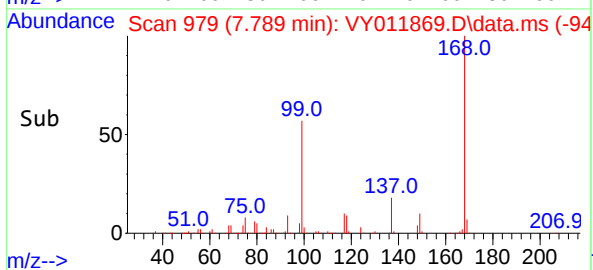
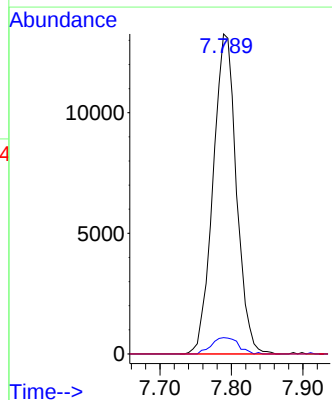
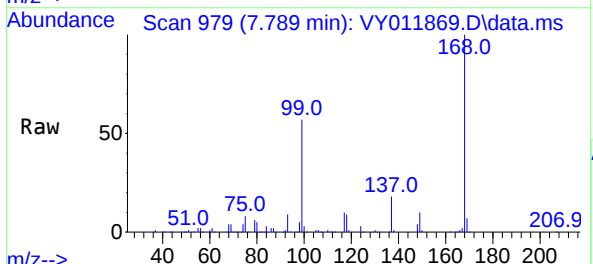
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RB-36-(3-5)

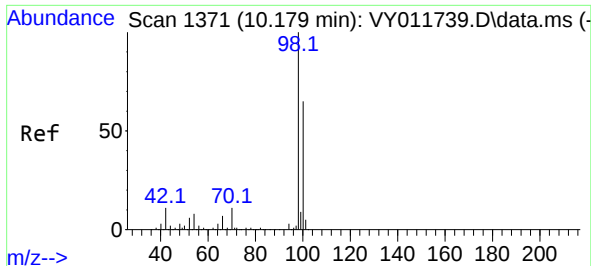
Tgt Ion: 75 Resp: 22091
Ion Ratio Lower Upper
75 100
110 10.0 18.1 54.1#
77 0.0 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 6.756 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.116 min
Lab File: VY011869.D
Acq: 15 Dec 2022 14:14

Tgt Ion: 117 Resp: 30147
Ion Ratio Lower Upper
117 100
119 5.1 73.8 110.8#
121 0.0 25.2 37.8#

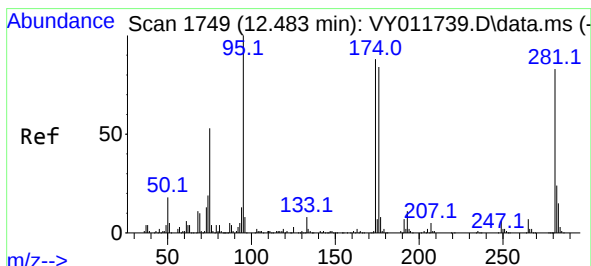
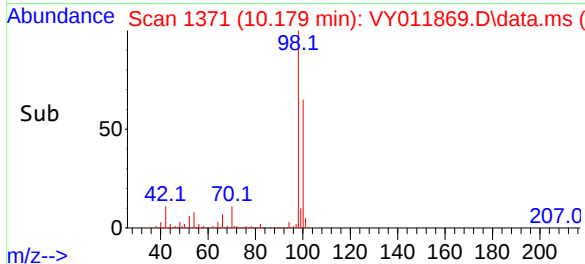
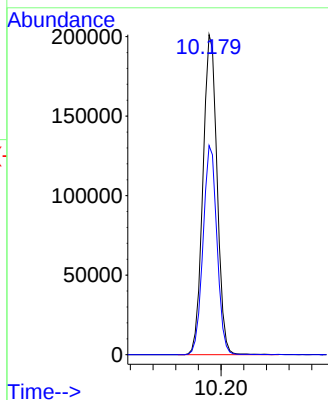
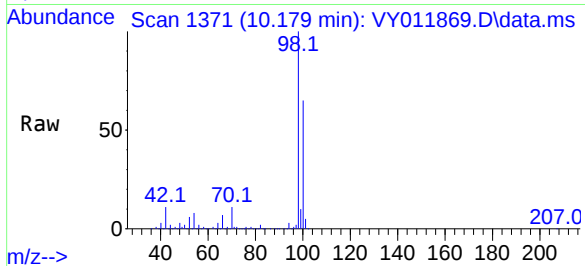




#50
Toluene-d8
Concen: 47.378 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011869.D
Acq: 15 Dec 2022 14:14

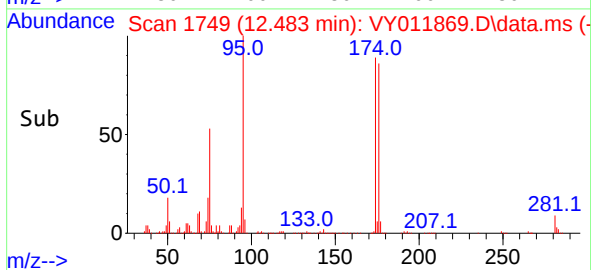
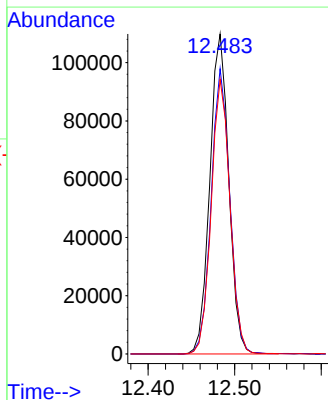
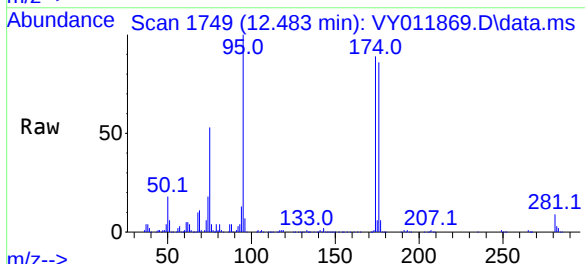
Instrument :
MSVOA_Y
ClientSampleId :
RB-36-(3-5)

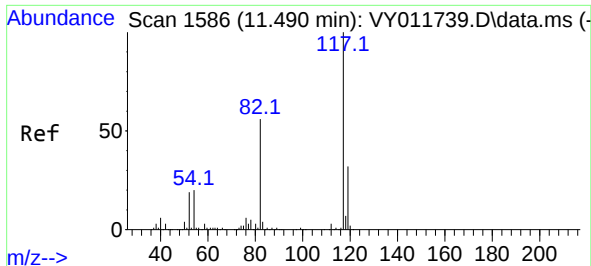
Tgt Ion: 98 Resp: 348043
Ion Ratio Lower Upper
98 100
100 64.3 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 58.349 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011869.D
Acq: 15 Dec 2022 14:14

Tgt Ion: 95 Resp: 167148
Ion Ratio Lower Upper
95 100
174 87.5 0.0 172.0
176 84.8 0.0 167.6

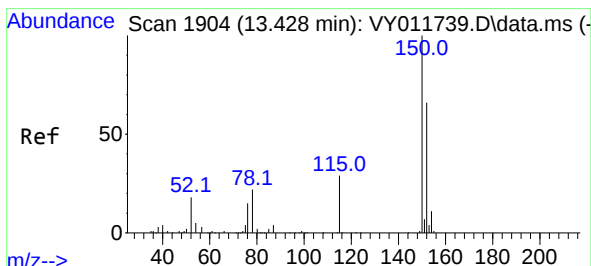
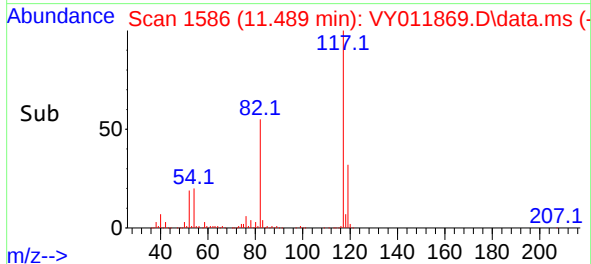
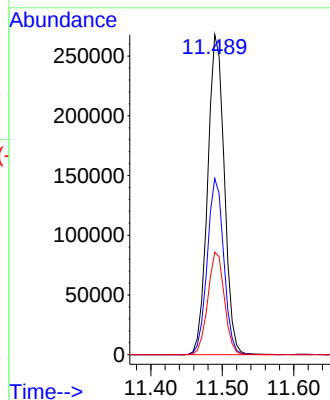
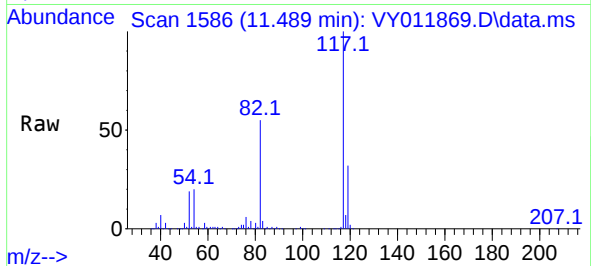




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY011869.D
Acq: 15 Dec 2022 14:14

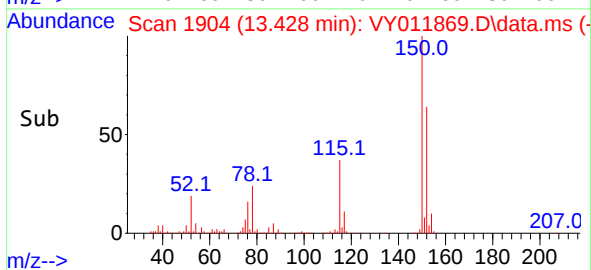
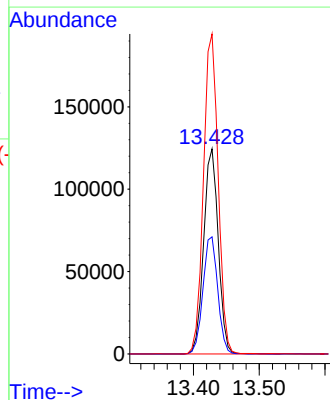
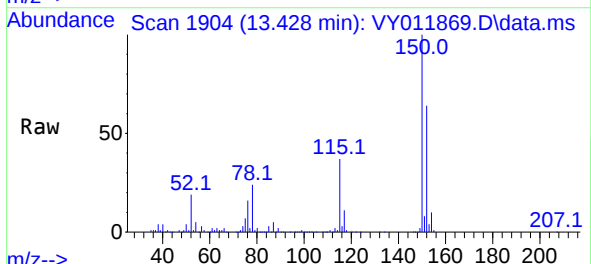
Instrument :
MSVOA_Y
ClientSampleId :
RB-36-(3-5)

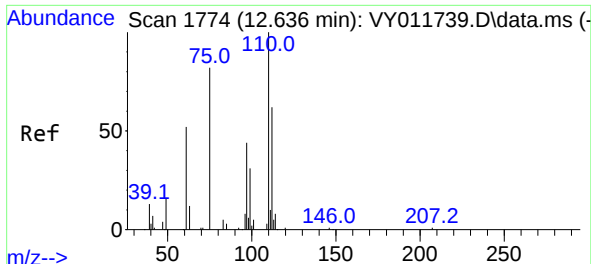
Tgt Ion:117 Resp: 433794
Ion Ratio Lower Upper
117 100
82 55.0 44.8 67.2
119 32.0 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY011869.D
Acq: 15 Dec 2022 14:14

Tgt Ion:152 Resp: 191867
Ion Ratio Lower Upper
152 100
115 58.0 29.1 87.3
150 157.3 0.0 342.6

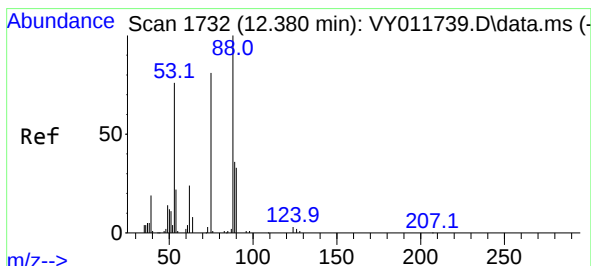
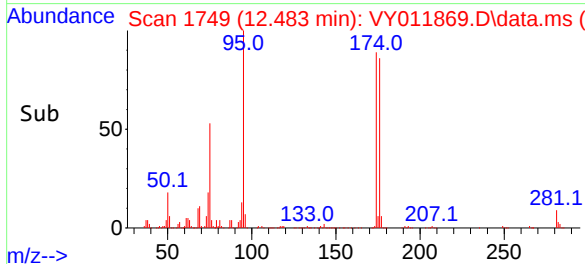
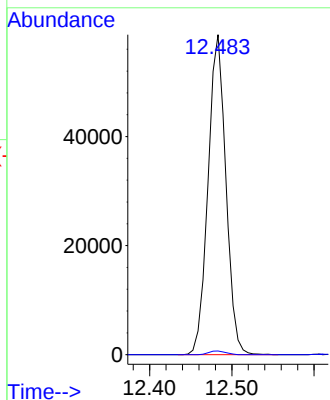
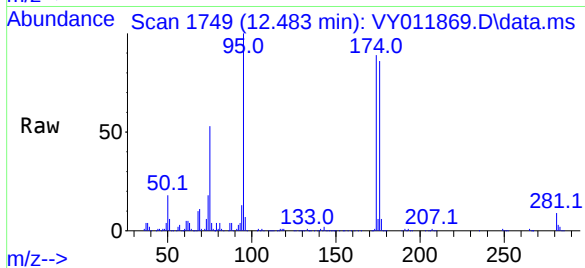




#76
1,2,3-Trichloropropane
Concen: 45.577 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY011869.D
Acq: 15 Dec 2022 14:14

Instrument :
MSVOA_Y
ClientSampleId :
RB-36-(3-5)

Tgt Ion: 75 Resp: 88473
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 103.423 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY011869.D
Acq: 15 Dec 2022 14:14

Tgt Ion: 75 Resp: 88473
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.2 37.0 55.4#

