

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121222\
 Data File : VY011769.D
 Acq On : 12 Dec 2022 14:26
 Operator : KP/MD
 Sample : N5965-01
 Misc : 4.70g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-P

Quant Time: Dec 13 00:19:41 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)

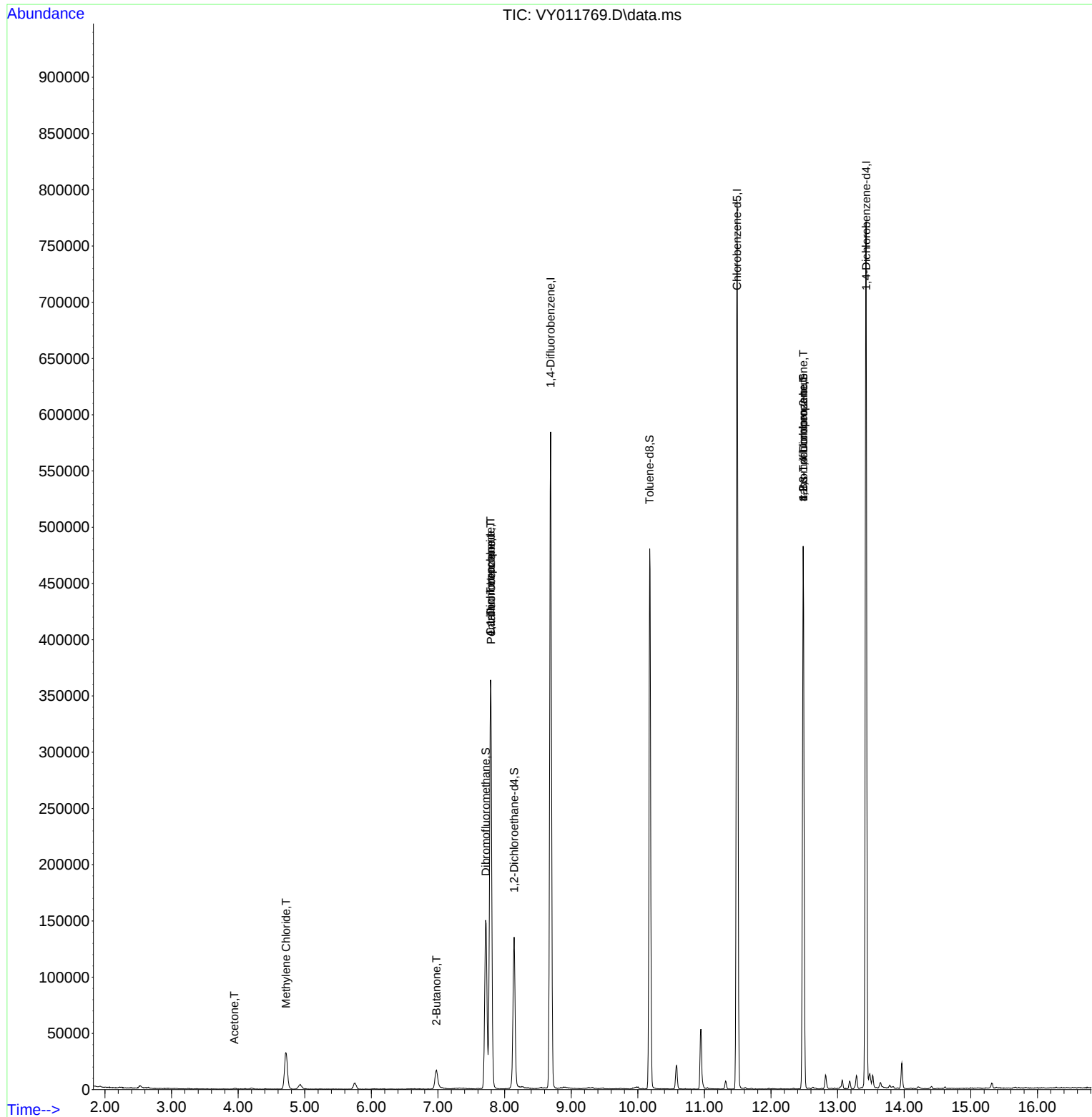
Internal Standards						
1) Pentafluorobenzene	7.795	168	284379	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	483321	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	432337	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	200617	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	102139	52.913	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.820%	
35) Dibromofluoromethane	7.715	113	105822	49.219	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 98.440%	
50) Toluene-d8	10.178	98	315478	44.015	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 88.040%	
62) 4-Bromofluorobenzene	12.483	95	122866	43.228	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 86.460%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	71	Below Cal	#	41
3) Chloromethane	2.125	50	221	Below Cal	#	41
5) Bromomethane	2.649	94	135	Below Cal	#	59
11) Tert butyl alcohol	4.929	59	4437	Below Cal	#	74
16) Acetone	3.942	43	1272	1.638	ug/l	96
18) Methyl Acetate	4.747	43	103	Below Cal	#	50
20) Methylene Chloride	4.716	84	25045	3.610	ug/l	98
25) 2-Butanone	6.978	43	1239	1.240	ug/l #	46
31) Cyclohexane	7.783	56	5690	Below Cal	#	17
36) 1,1-Dichloropropene	7.789	75	21694	5.915	ug/l #	49
38) Carbon Tetrachloride	7.789	117	28713	6.665	ug/l #	18
76) 1,2,3-Trichloropropane	12.483	75	65764	32.401	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	65764	73.523	ug/l #	13

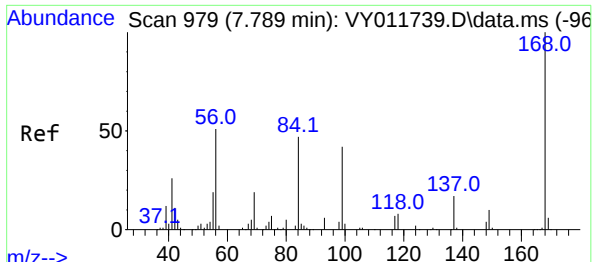
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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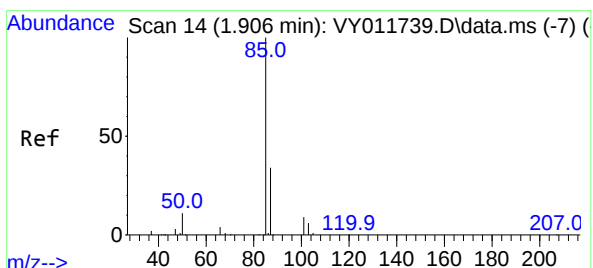
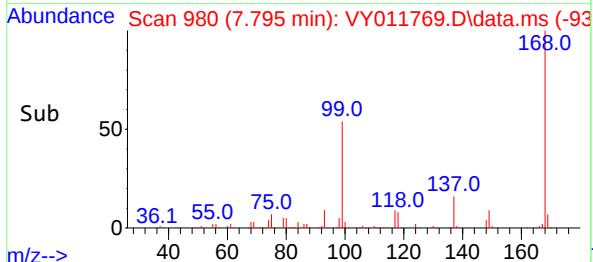
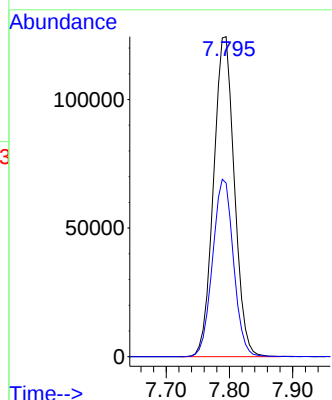
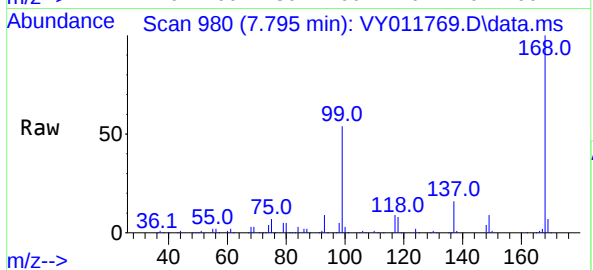




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY011769.D
Acq: 12 Dec 2022 14:26

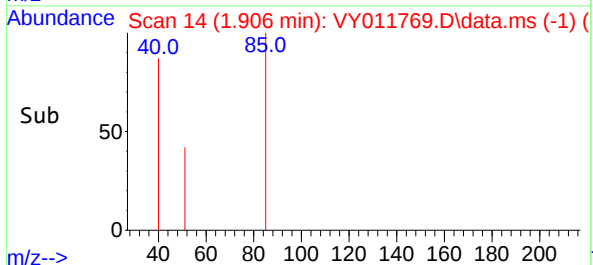
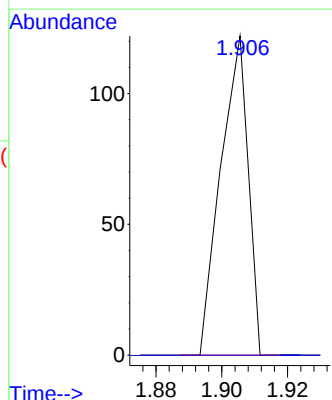
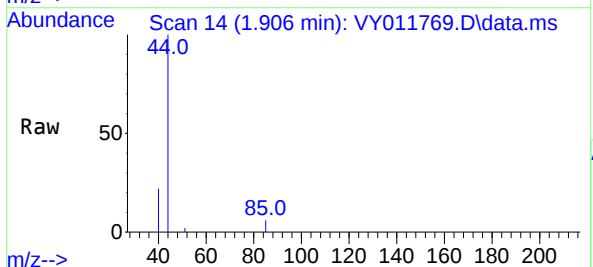
Instrument :
MSVOA_Y
ClientSampleId :
TP-P

Tgt Ion:168 Resp: 284379
Ion Ratio Lower Upper
168 100
99 54.2 44.0 66.0

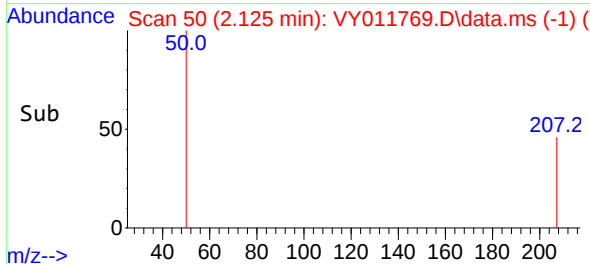
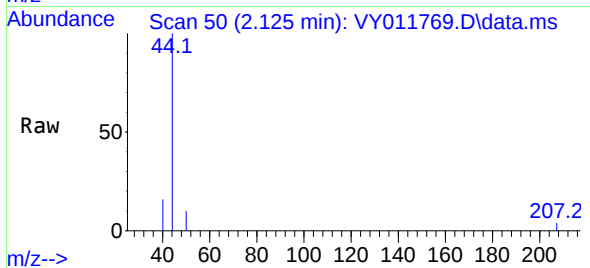
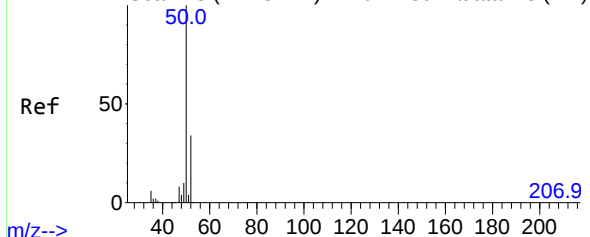


#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY011769.D
Acq: 12 Dec 2022 14:26

Tgt Ion: 85 Resp: 71
Ion Ratio Lower Upper
85 100
87 0.0 16.8 50.4#



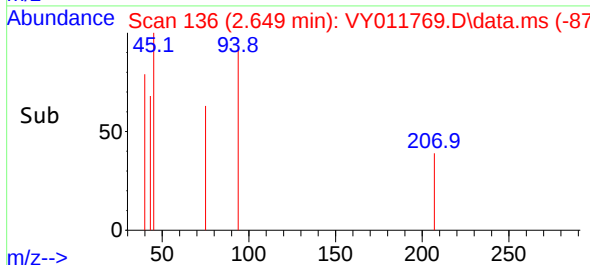
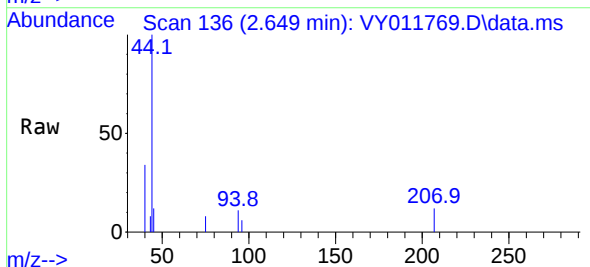
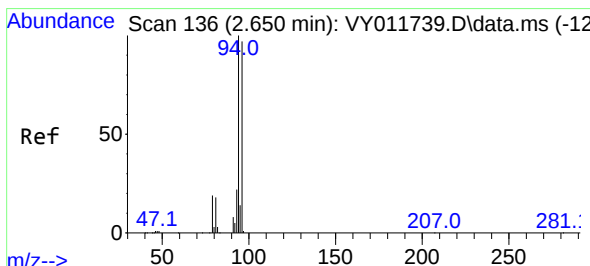
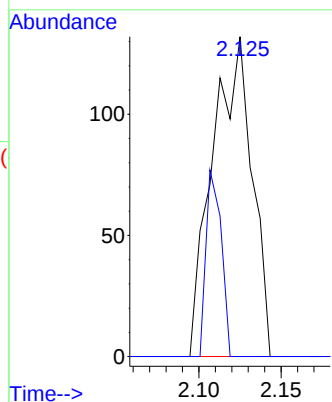
Abundance Scan 48 (2.113 min): VY011739.D\data.ms (-42)



#3
Chloromethane
Concen: Below Cal
RT: 2.125 min Scan# 50
Delta R.T. 0.012 min
Lab File: VY011769.D
Acq: 12 Dec 2022 14:26

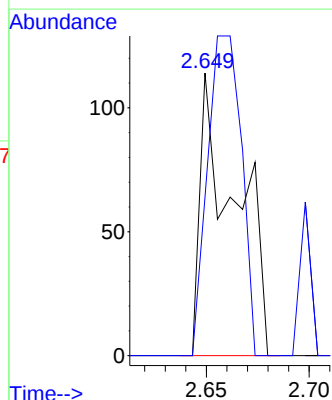
Instrument :
MSVOA_Y
ClientSampleId :
TP-P

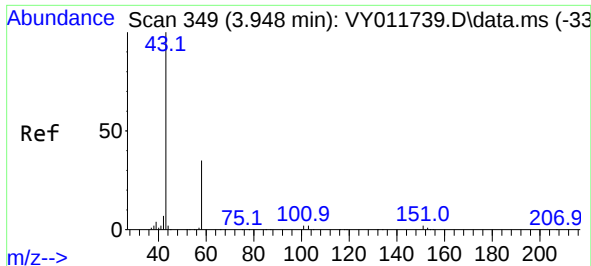
Tgt Ion: 50 Resp: 221
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#



#5
Bromomethane
Concen: Below Cal
RT: 2.649 min Scan# 136
Delta R.T. -0.001 min
Lab File: VY011769.D
Acq: 12 Dec 2022 14:26

Tgt Ion: 94 Resp: 135
Ion Ratio Lower Upper
94 100
96 56.1 77.4 116.2#

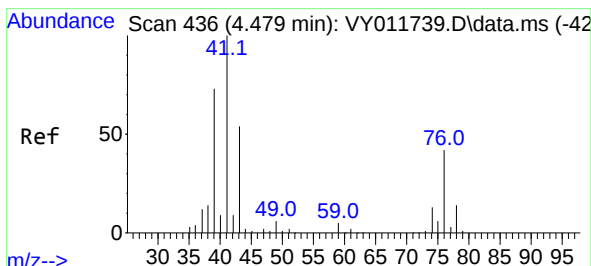
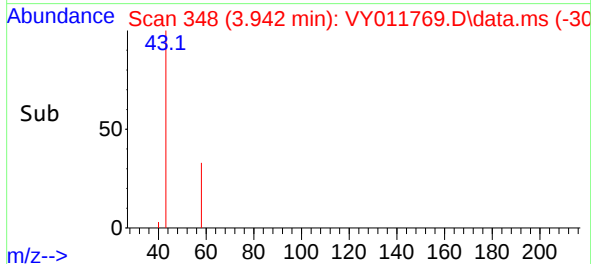
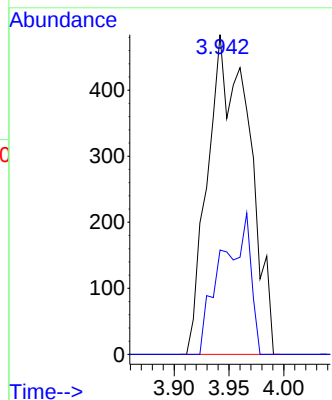
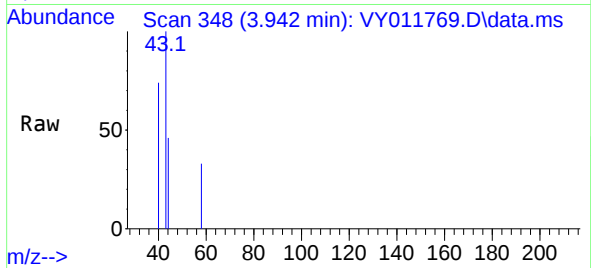




#16
Acetone
Concen: 1.638 ug/l
RT: 3.942 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY011769.D
Acq: 12 Dec 2022 14:26

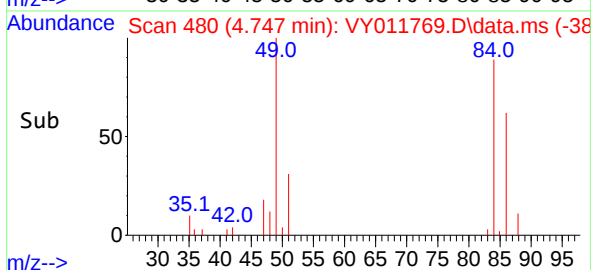
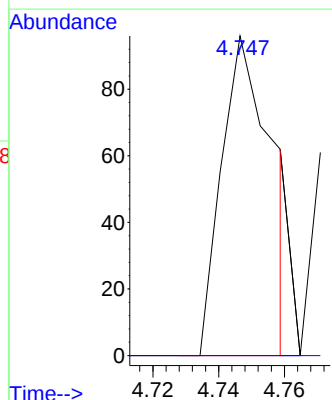
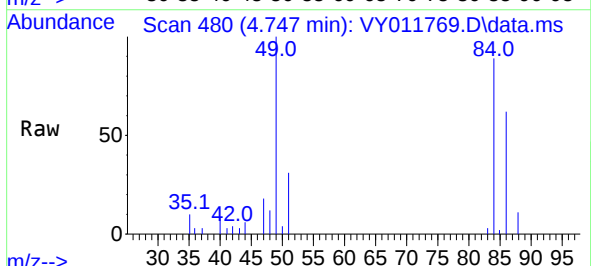
Instrument :
MSVOA_Y
ClientSampleId :
TP-P

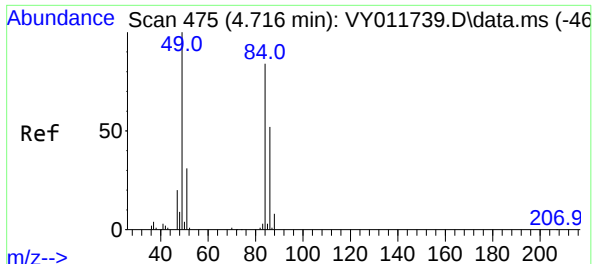
Tgt Ion: 43 Resp: 1272
Ion Ratio Lower Upper
43 100
58 32.6 27.9 41.9



#18
Methyl Acetate
Concen: Below Cal
RT: 4.747 min Scan# 480
Delta R.T. 0.268 min
Lab File: VY011769.D
Acq: 12 Dec 2022 14:26

Tgt Ion: 43 Resp: 103
Ion Ratio Lower Upper
43 100
74 0.0 20.1 30.1#



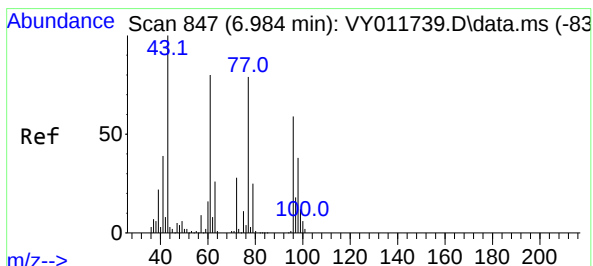
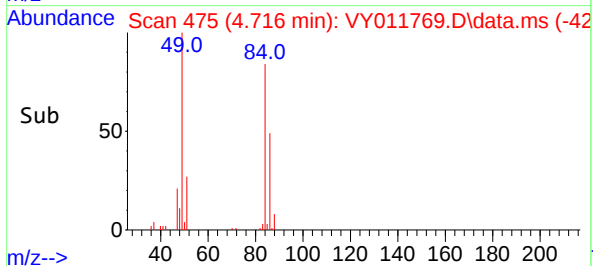
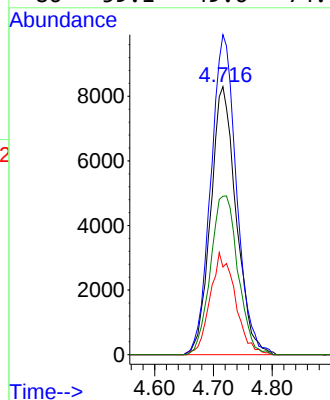
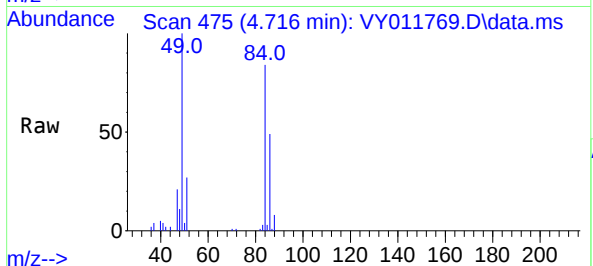


#20
Methylene Chloride
Concen: 3.610 ug/l
RT: 4.716 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY011769.D
Acq: 12 Dec 2022 14:26

Instrument :
MSVOA_Y
ClientSampleId :
TP-P

Tgt Ion: 84 Resp: 25045

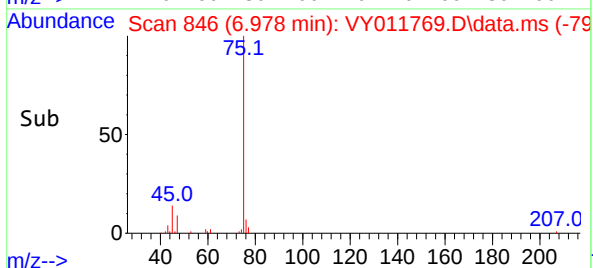
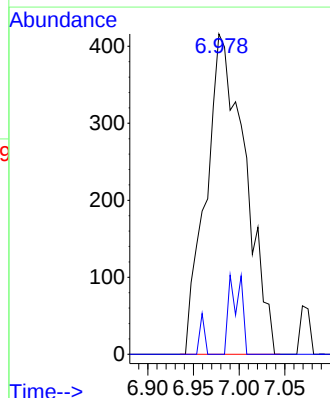
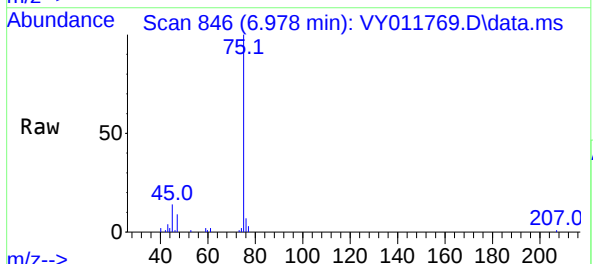
Ion	Ratio	Lower	Upper
84	100		
49	119.4	95.4	143.2
51	32.7	29.9	44.9
86	59.1	49.6	74.4

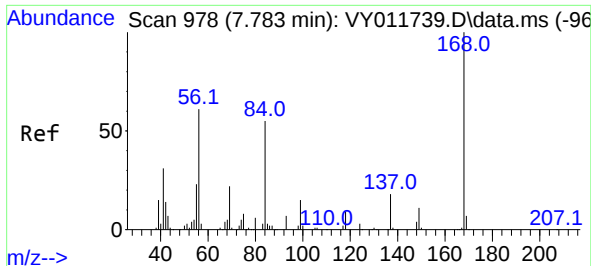


#25
2-Butanone
Concen: 1.240 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY011769.D
Acq: 12 Dec 2022 14:26

Tgt Ion: 43 Resp: 1239

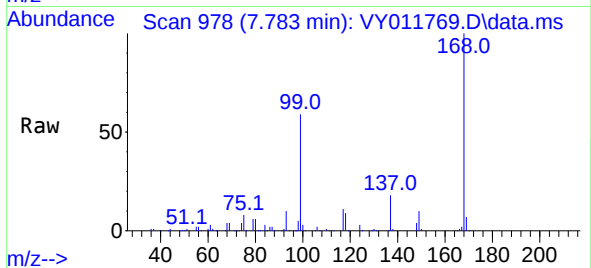
Ion	Ratio	Lower	Upper
43	100		
72	0.0	22.6	34.0#



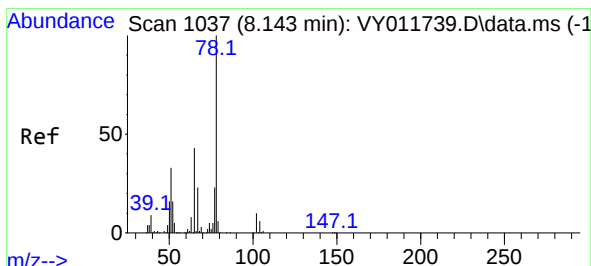
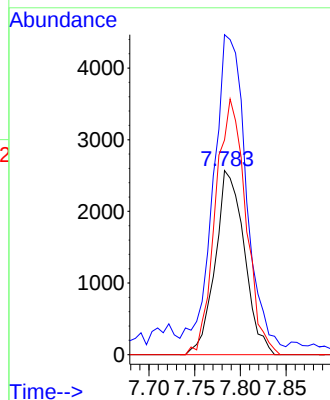
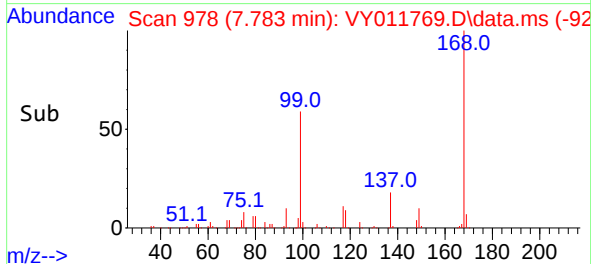


#31
Cyclohexane
Concen: Below Cal
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011769.D
Acq: 12 Dec 2022 14:26

Instrument :
MSVOA_Y
ClientSampleId :
TP-P

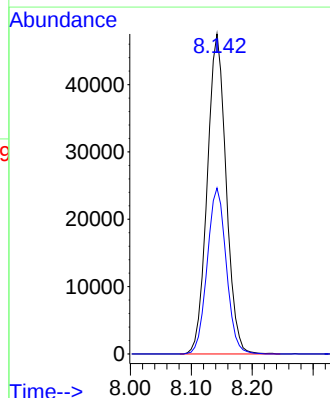
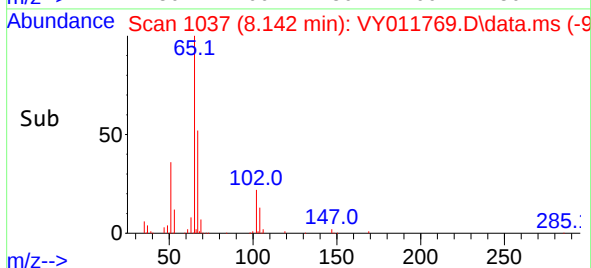
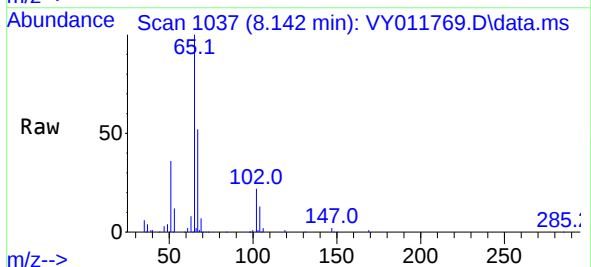


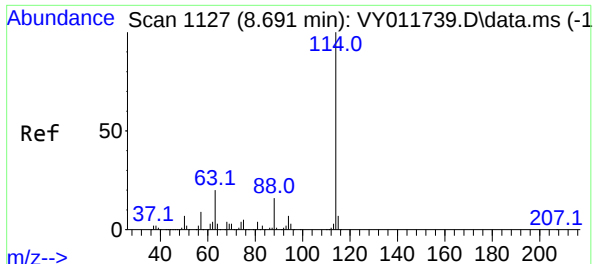
Tgt Ion: 56 Resp: 5690
Ion Ratio Lower Upper
56 100
69 168.3 29.2 43.8#
84 116.5 72.6 108.8#



#33
1,2-Dichloroethane-d4
Concen: 52.913 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.001 min
Lab File: VY011769.D
Acq: 12 Dec 2022 14:26

Tgt Ion: 65 Resp: 102139
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: VY011769.D

Acq: 12 Dec 2022 14:26

Instrument :

MSVOA_Y

ClientSampleId :

TP-P

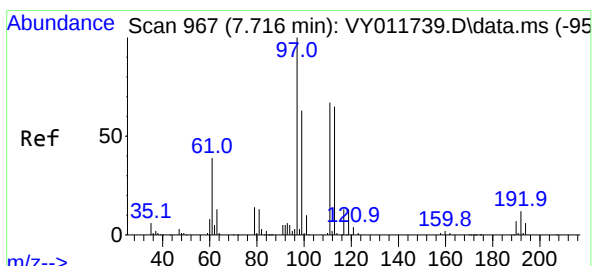
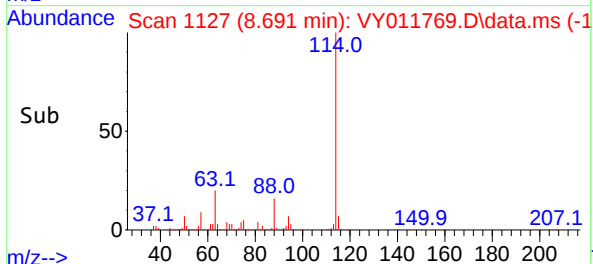
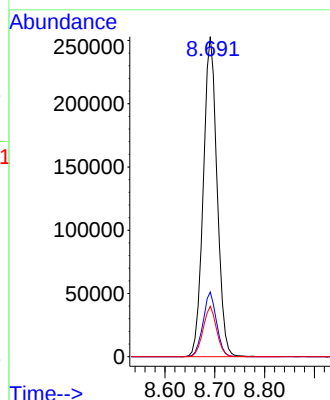
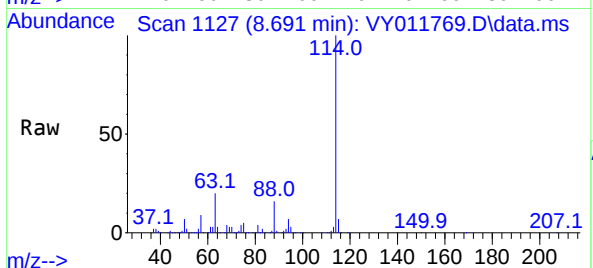
Tgt Ion:114 Resp: 483321

Ion Ratio Lower Upper

114 100

63 20.2 0.0 39.6

88 15.7 0.0 32.2



#35

Dibromofluoromethane

Concen: 49.219 ug/l

RT: 7.715 min Scan# 967

Delta R.T. -0.001 min

Lab File: VY011769.D

Acq: 12 Dec 2022 14:26

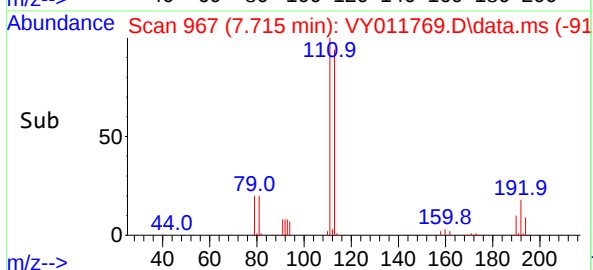
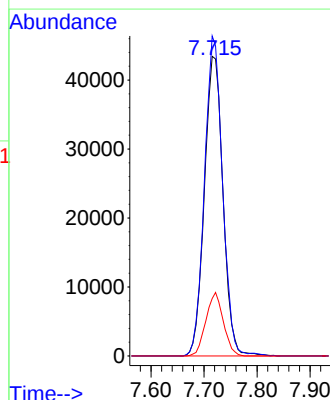
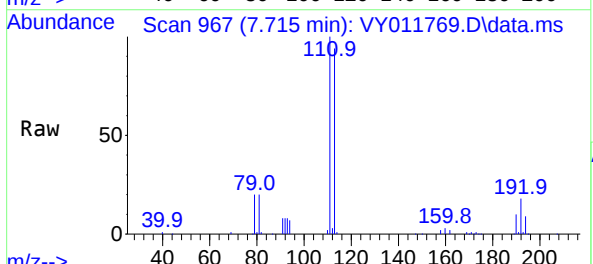
Tgt Ion:113 Resp: 105822

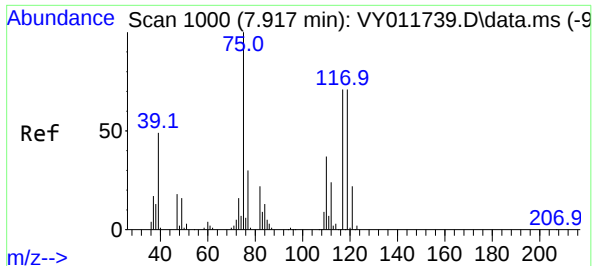
Ion Ratio Lower Upper

113 100

111 103.7 83.0 124.4

192 19.8 16.0 24.0





#36

1,1-Dichloropropene

Concen: 5.915 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY011769.D

Acq: 12 Dec 2022 14:26

Instrument :

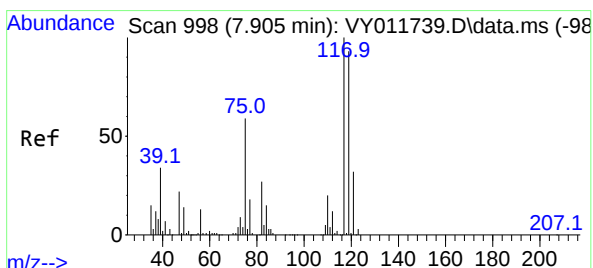
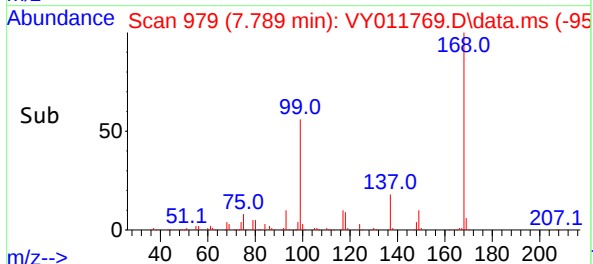
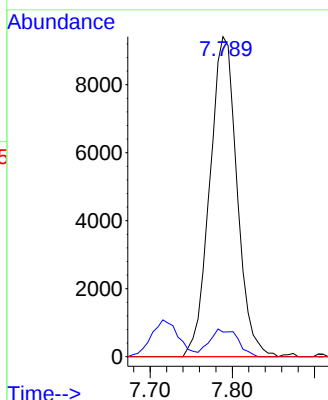
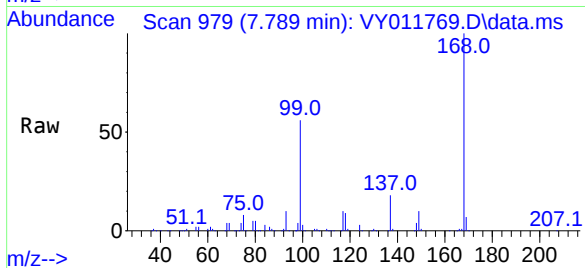
MSVOA_Y

ClientSampleId :

TP-P

Tgt Ion: 75 Resp: 21694

Ion	Ratio	Lower	Upper
75	100		
110	8.9	18.1	54.1#
77	0.0	25.1	37.7#



#38

Carbon Tetrachloride

Concen: 6.665 ug/l

RT: 7.789 min Scan# 979

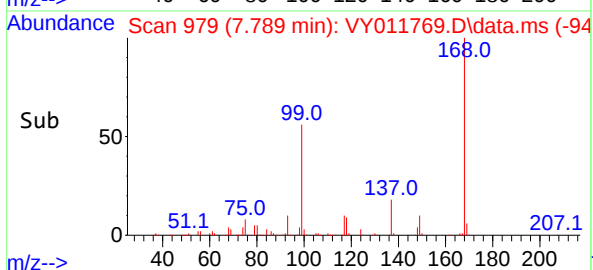
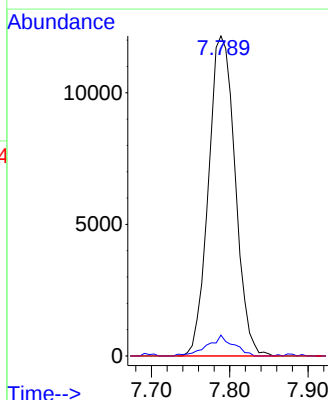
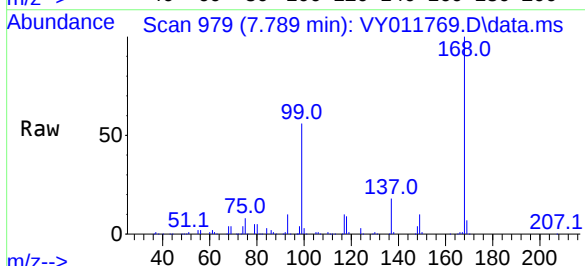
Delta R.T. -0.116 min

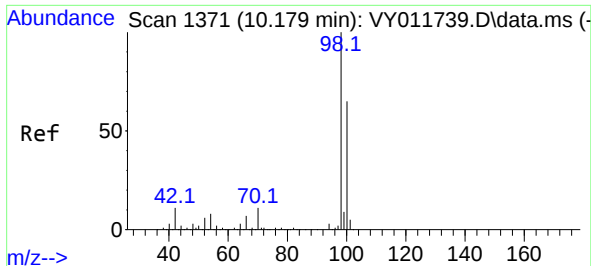
Lab File: VY011769.D

Acq: 12 Dec 2022 14:26

Tgt Ion: 117 Resp: 28713

Ion	Ratio	Lower	Upper
117	100		
119	6.1	73.8	110.8#
121	0.0	25.2	37.8#

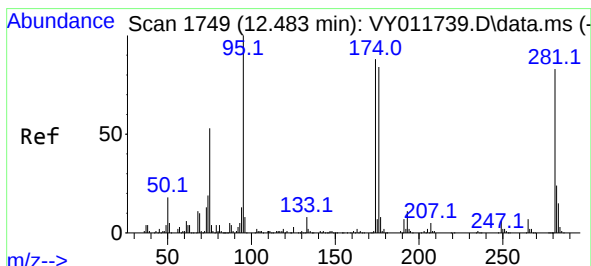
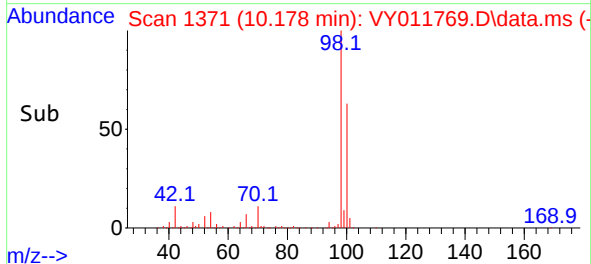
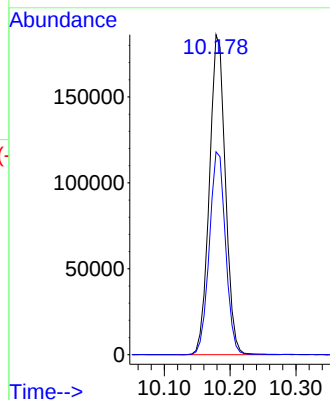
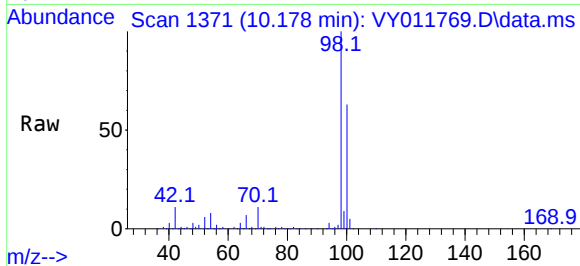




#50
Toluene-d8
Concen: 44.015 ug/l
RT: 10.178 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY011769.D
Acq: 12 Dec 2022 14:26

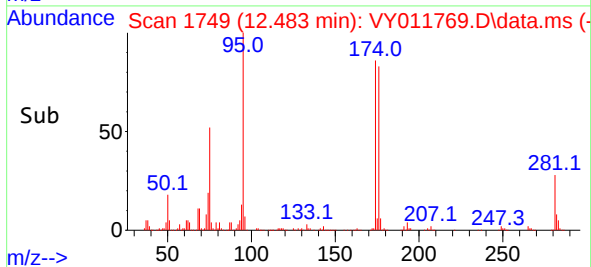
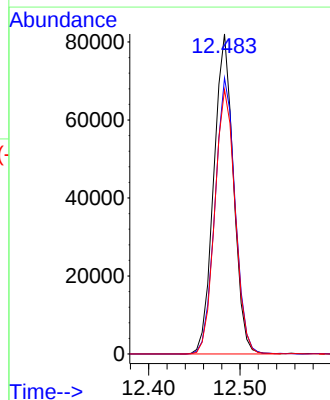
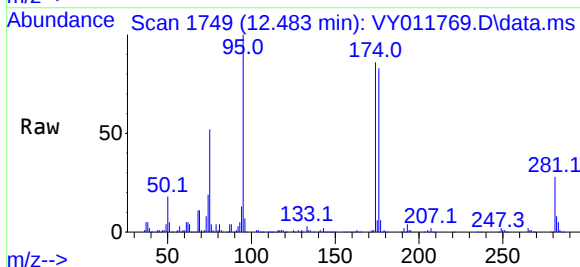
Instrument :
MSVOA_Y
ClientSampleId :
TP-P

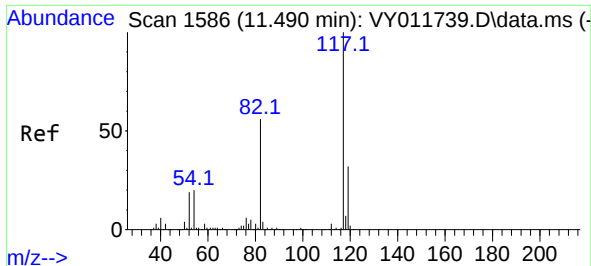
Tgt Ion: 98 Resp: 315478
Ion Ratio Lower Upper
98 100
100 64.1 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 43.228 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY011769.D
Acq: 12 Dec 2022 14:26

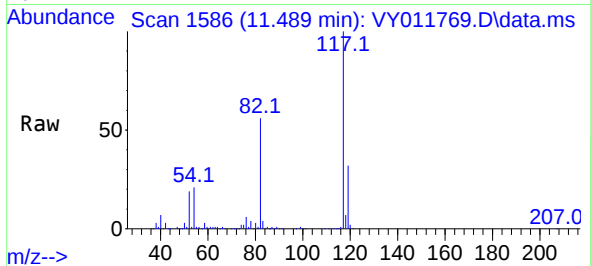
Tgt Ion: 95 Resp: 122866
Ion Ratio Lower Upper
95 100
174 88.2 0.0 172.0
176 85.3 0.0 167.6



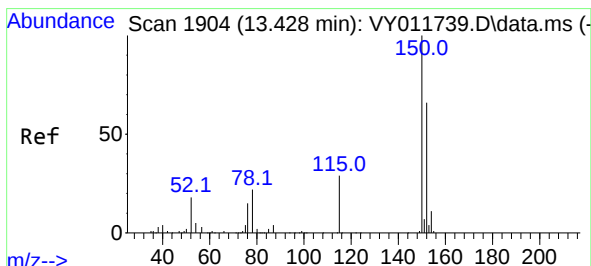
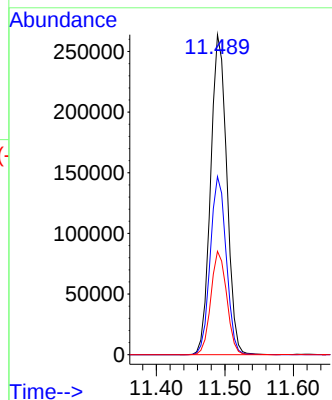
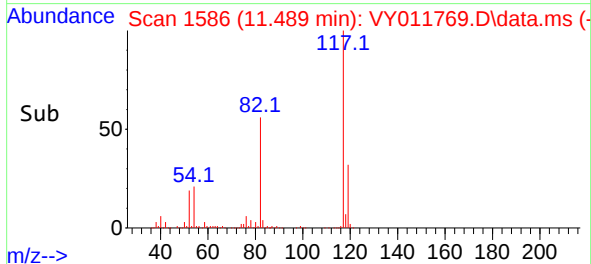


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1158
Delta R.T. -0.000 min
Lab File: VY011769.D
Acq: 12 Dec 2022 14:26

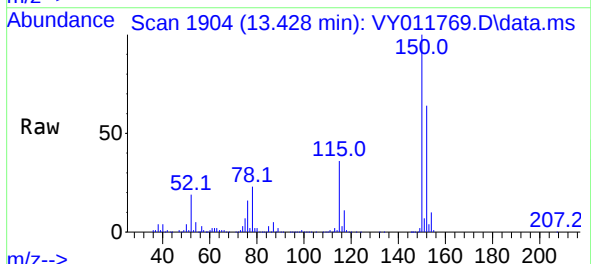
Instrument :
MSVOA_Y
ClientSampleId :
TP-P



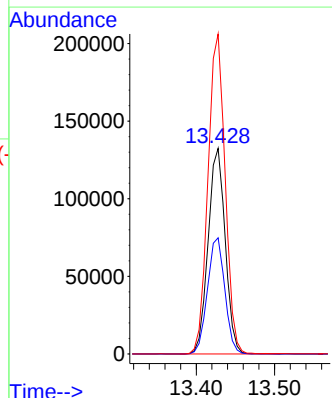
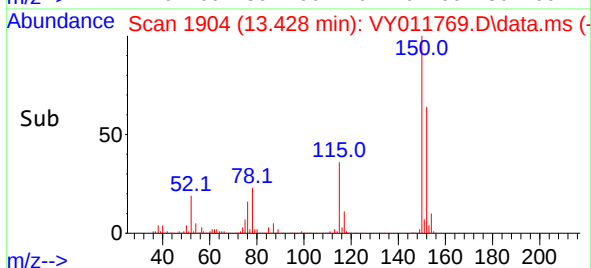
Tgt Ion:117 Resp: 432337
Ion Ratio Lower Upper
117 100
82 55.6 44.8 67.2
119 32.3 25.4 38.2

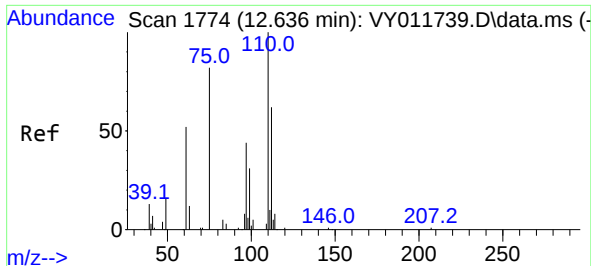


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY011769.D
Acq: 12 Dec 2022 14:26



Tgt Ion:152 Resp: 200617
Ion Ratio Lower Upper
152 100
115 57.4 29.1 87.3
150 156.4 0.0 342.6

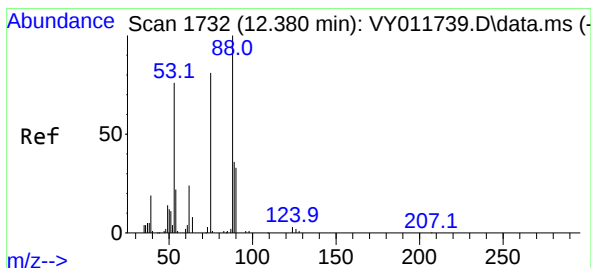
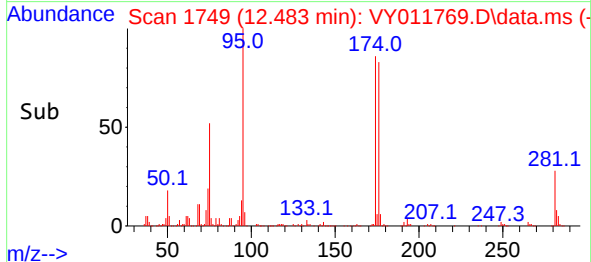
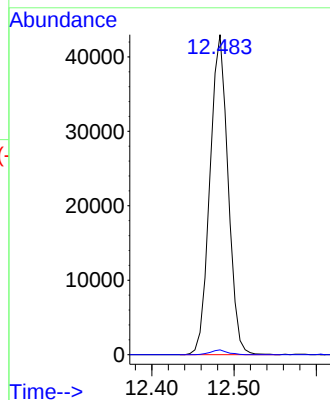
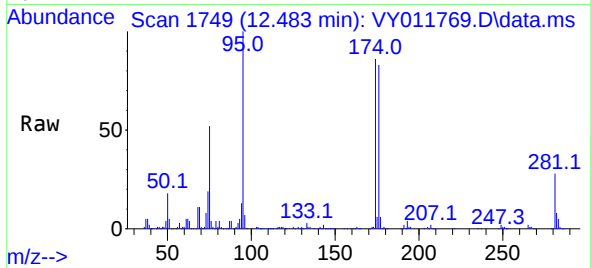




#76
1,2,3-Trichloropropane
Concen: 32.401 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY011769.D
Acq: 12 Dec 2022 14:26

Instrument :
MSVOA_Y
ClientSampleId :
TP-P

Tgt Ion: 75 Resp: 65764
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.523 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY011769.D
Acq: 12 Dec 2022 14:26

Tgt Ion: 75 Resp: 65764
Ion Ratio Lower Upper
75 100
53 0.1 72.5 108.7#
89 0.4 37.0 55.4#

