

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021722\
 Data File : VY007534.D
 Acq On : 17 Feb 2022 19:45
 Operator : SY/MD
 Sample : N1580-09
 Misc : 6.09g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 D-9

Quant Time: Feb 18 07:43:52 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y021422S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 15 09:34:50 2022
 Response via : Initial Calibration

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

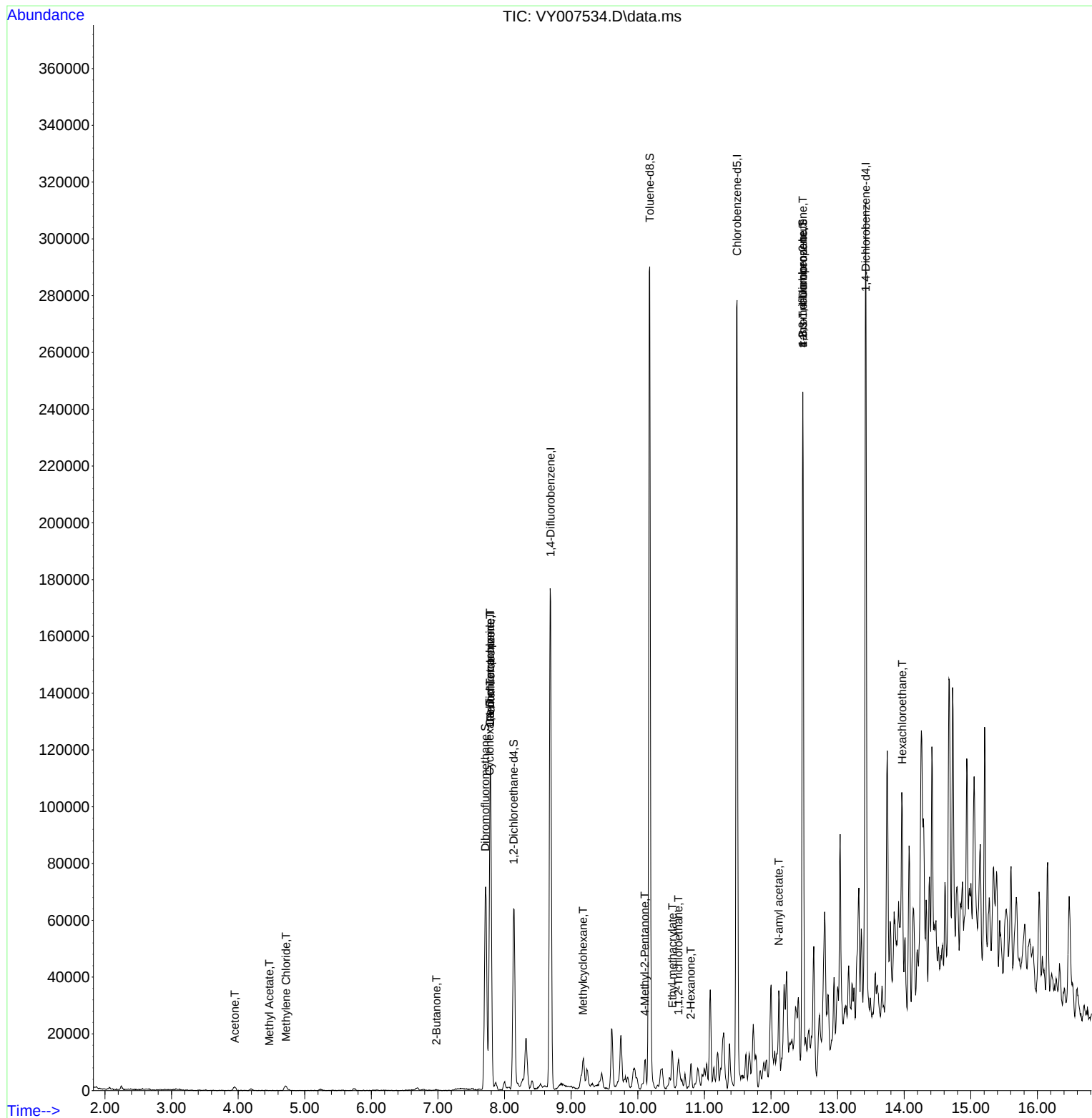
Internal Standards						
1) Pentafluorobenzene	7.789	168	86925	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	155896	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	155285	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	71392	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	50379	52.495	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 104.980%	
35) Dibromofluoromethane	7.710	113	50839	51.712	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.420%	
50) Toluene-d8	10.179	98	188971	50.608	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 101.220%	
62) 4-Bromofluorobenzene	12.477	95	71703	56.632	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 113.260%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.107	50	216	Below Cal	#	44
5) Bromomethane	2.656	94	64	Below Cal	#	67
16) Acetone	3.948	43	2237	8.786	ug/l #	89
18) Methyl Acetate	4.466	43	103	1.546	ug/l #	56
20) Methylene Chloride	4.716	84	1404	1.345	ug/l #	72
25) 2-Butanone	6.978	43	477	1.513	ug/l #	54
31) Cyclohexane	7.777	56	2373	1.398	ug/l #	43
36) 1,1-Dichloropropene	7.783	75	6097	3.828	ug/l #	54
38) Carbon Tetrachloride	7.783	117	9036	4.993	ug/l #	15
39) Methylcyclohexane	9.179	83	4090	1.978	ug/l #	75
51) 4-Methyl-2-Pentanone	10.106	43	957	1.318	ug/l #	86
55) 1,1,2-Trichloroethane	10.612	97	3378	3.939	ug/l #	20
56) Ethyl methacrylate	10.520	69	1891	1.640	ug/l #	67
59) 2-Hexanone	10.795	43	3212	6.129	ug/l #	29
74) N-amyl acetate	12.118	43	5966	4.167	ug/l #	70
76) 1,2,3-Trichloropropane	12.477	75	36984	44.835	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	36984	93.186	ug/l #	7
90) Hexachloroethane	13.971	117	2181	2.053	ug/l #	6

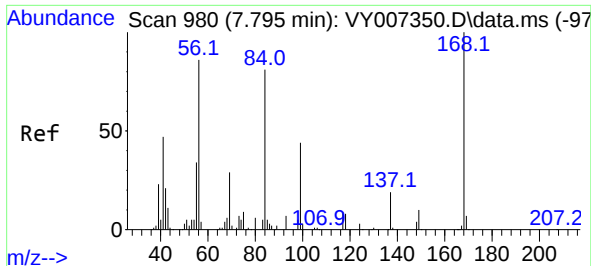
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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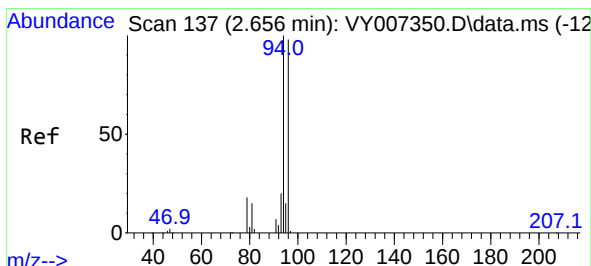
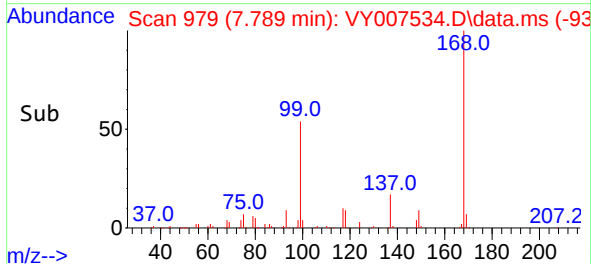
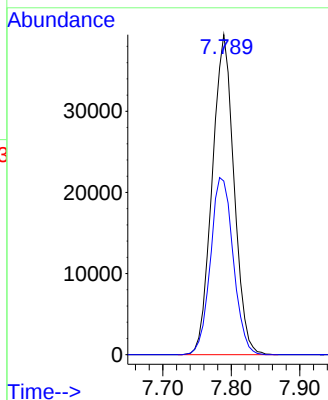
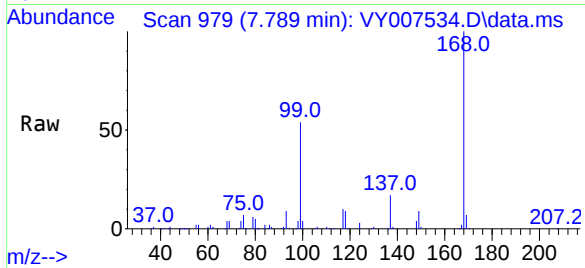




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY007534.D
Acq: 17 Feb 2022 19:45

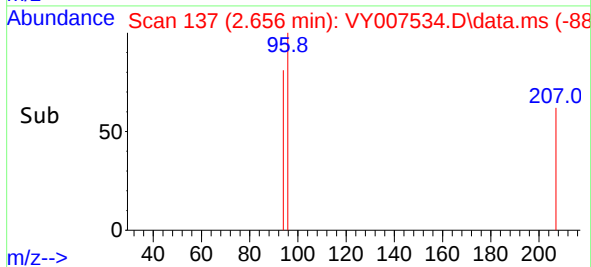
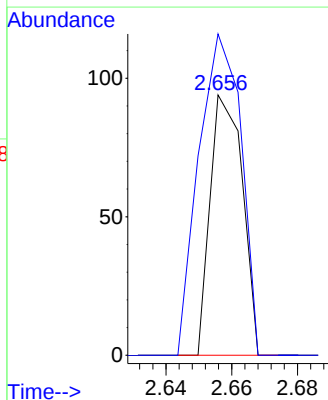
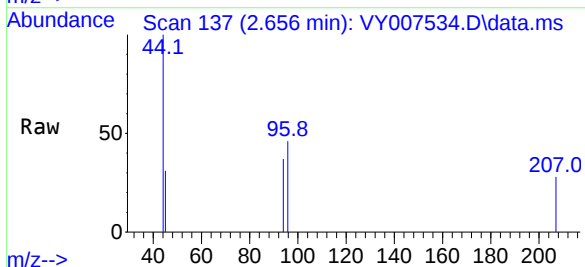
Instrument :
MSVOA_Y
ClientSampleId :
D-9

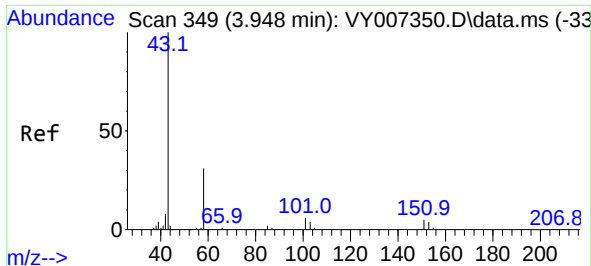
Tgt Ion:168 Resp: 86925
Ion Ratio Lower Upper
168 100
99 54.2 46.9 70.3



#5
Bromomethane
Concen: Below Cal
RT: 2.656 min Scan# 137
Delta R.T. -0.000 min
Lab File: VY007534.D
Acq: 17 Feb 2022 19:45

Tgt Ion: 94 Resp: 64
Ion Ratio Lower Upper
94 100
96 123.4 73.5 110.3#

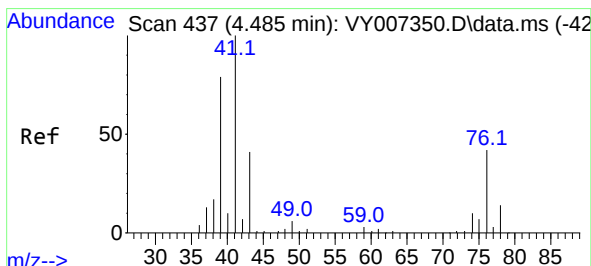
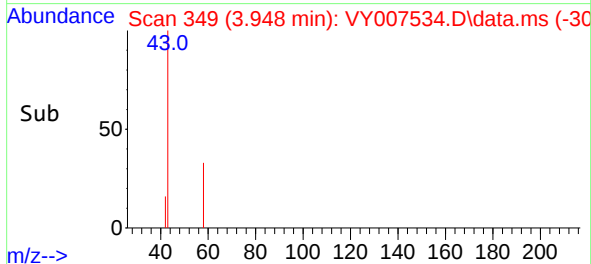
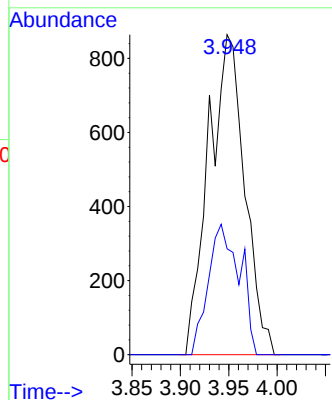
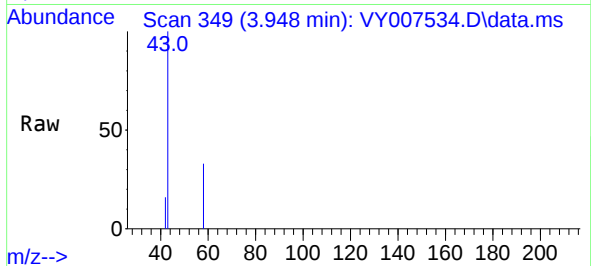




#16
Acetone
Concen: 8.786 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY007534.D
Acq: 17 Feb 2022 19:45

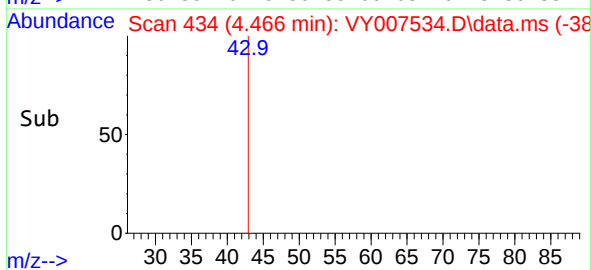
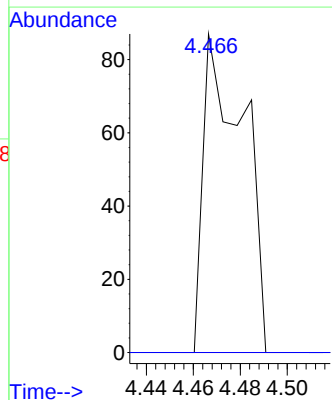
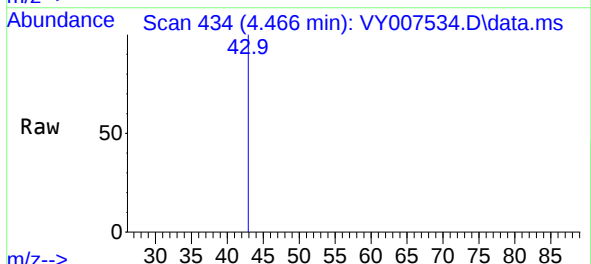
Instrument :
MSVOA_Y
ClientSampleId :
D-9

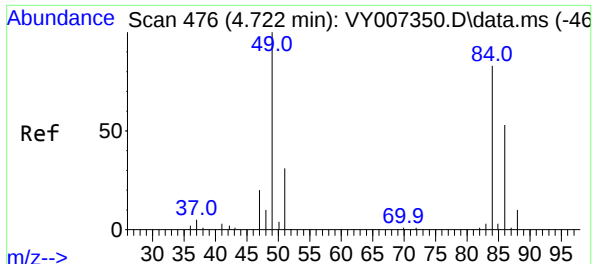
Tgt Ion: 43 Resp: 2237
Ion Ratio Lower Upper
43 100
58 33.1 22.0 33.0#



#18
Methyl Acetate
Concen: 1.546 ug/l
RT: 4.466 min Scan# 434
Delta R.T. -0.019 min
Lab File: VY007534.D
Acq: 17 Feb 2022 19:45

Tgt Ion: 43 Resp: 103
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



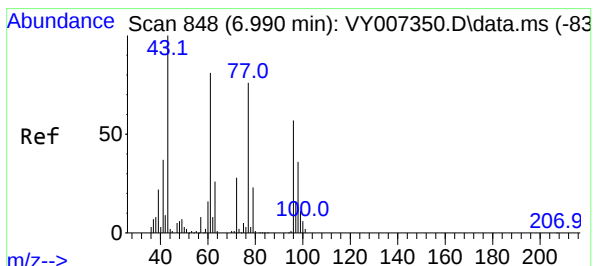
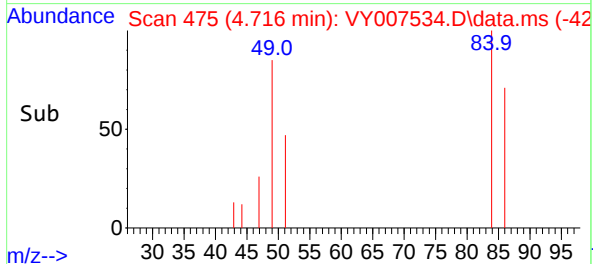
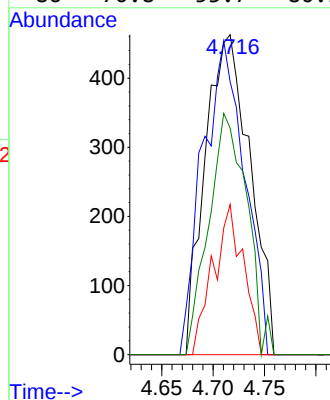
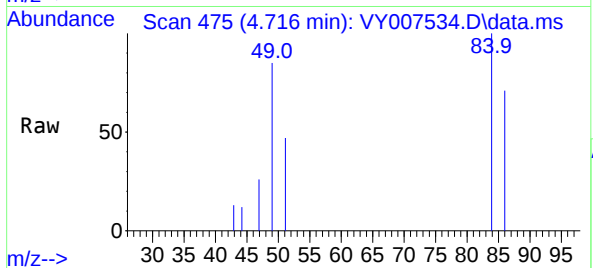


#20
Methylene Chloride
Concen: 1.345 ug/l
RT: 4.716 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY007534.D
Acq: 17 Feb 2022 19:45

Instrument :
MSVOA_Y
ClientSampleId :
D-9

Tgt Ion: 84 Resp: 1404

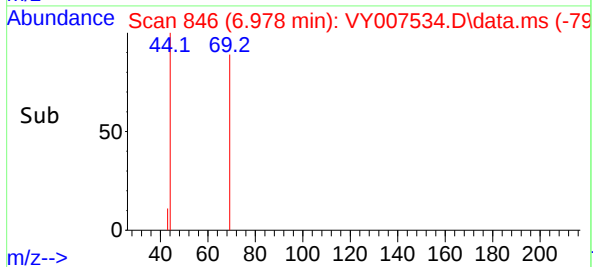
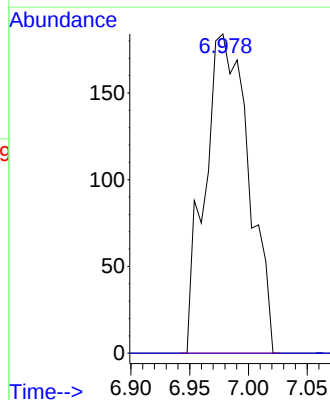
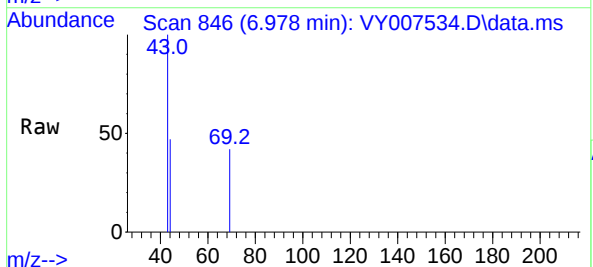
Ion	Ratio	Lower	Upper
84	100		
49	85.3	114.4	171.6#
51	46.9	35.3	52.9
86	70.8	53.7	80.5

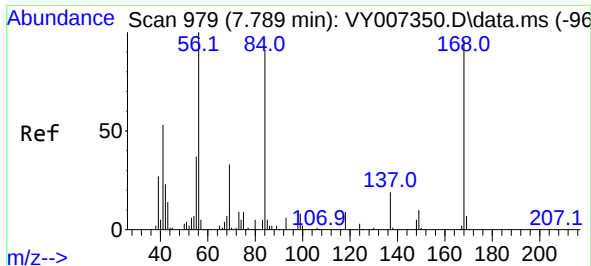


#25
2-Butanone
Concen: 1.513 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.012 min
Lab File: VY007534.D
Acq: 17 Feb 2022 19:45

Tgt Ion: 43 Resp: 477

Ion	Ratio	Lower	Upper
43	100		
72	0.0	17.7	26.5#

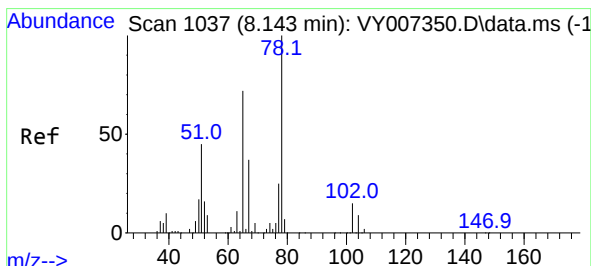
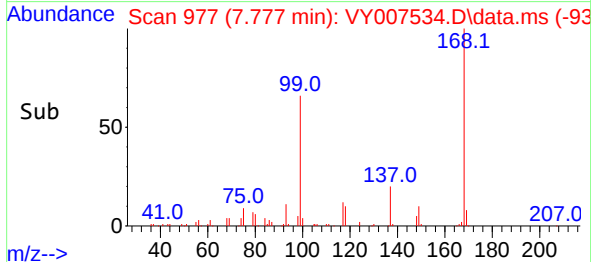
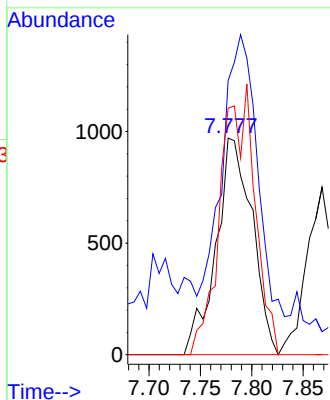
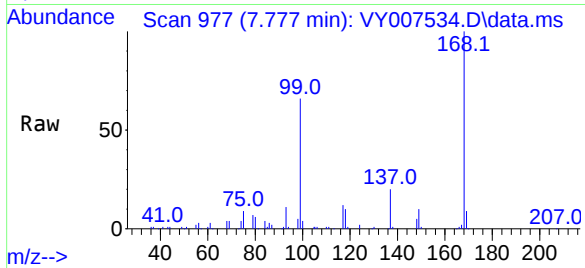




#31
Cyclohexane
Concen: 1.398 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY007534.D
Acq: 17 Feb 2022 19:45

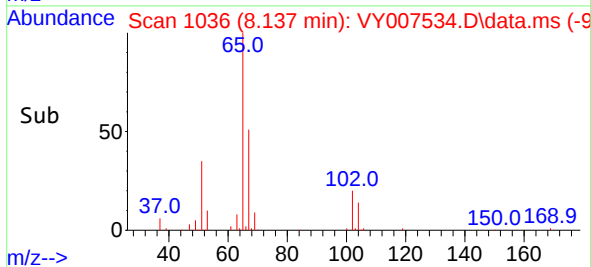
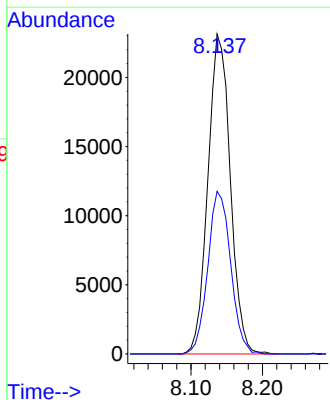
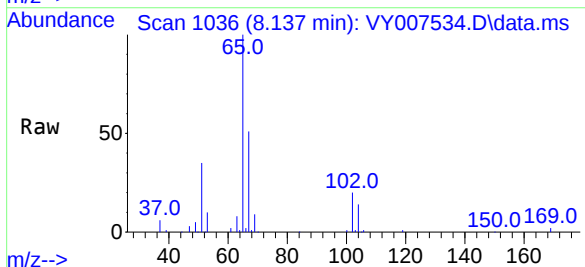
Instrument :
MSVOA_Y
ClientSampleId :
D-9

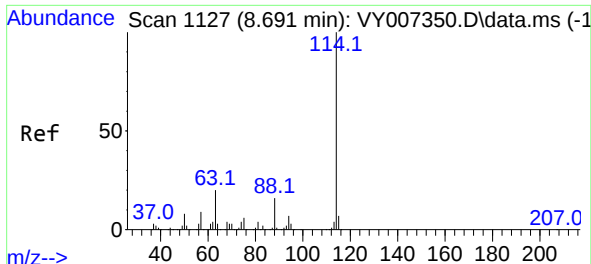
Tgt Ion: 56 Resp: 2373
Ion Ratio Lower Upper
56 100
69 100.8 26.7 40.1#
84 113.7 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 52.495 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY007534.D
Acq: 17 Feb 2022 19:45

Tgt Ion: 65 Resp: 50379
Ion Ratio Lower Upper
65 100
67 51.9 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY007534.D

Acq: 17 Feb 2022 19:45

Instrument :

MSVOA_Y

ClientSampleId :

D-9

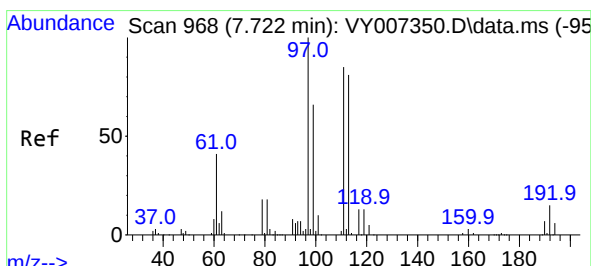
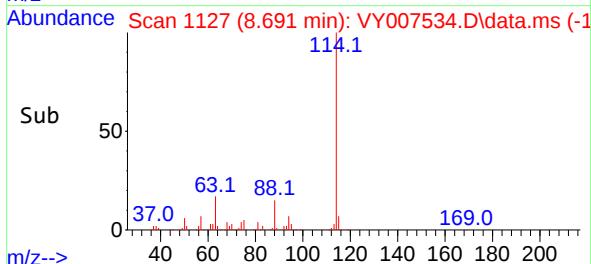
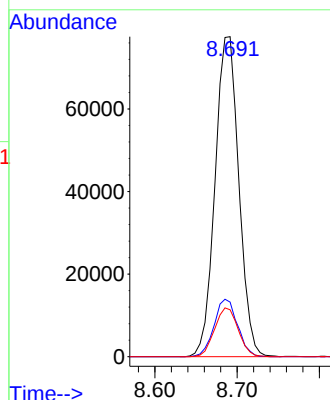
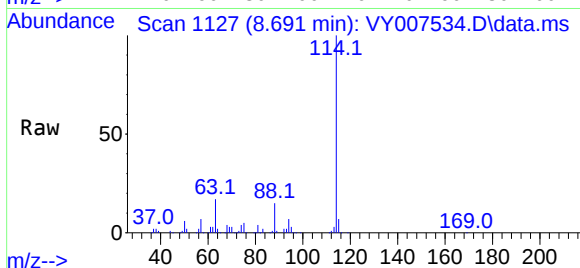
Tgt Ion:114 Resp: 155896

Ion Ratio Lower Upper

114 100

63 17.1 0.0 43.2

88 14.7 0.0 31.8



#35

Dibromofluoromethane

Concen: 51.712 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.012 min

Lab File: VY007534.D

Acq: 17 Feb 2022 19:45

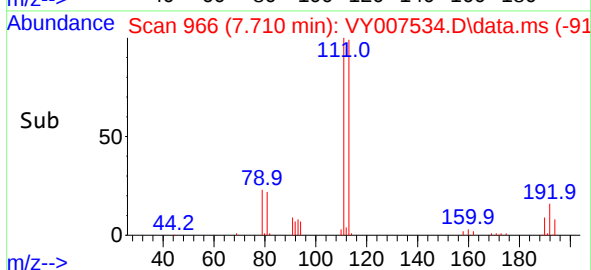
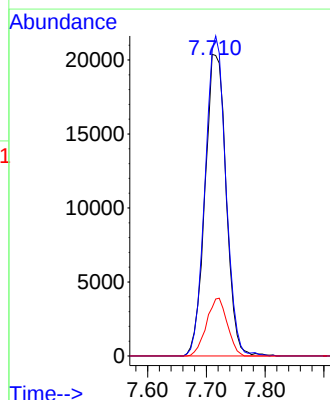
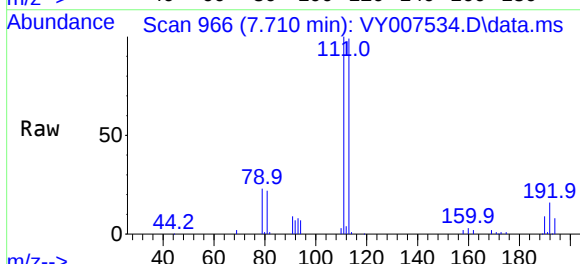
Tgt Ion:113 Resp: 50839

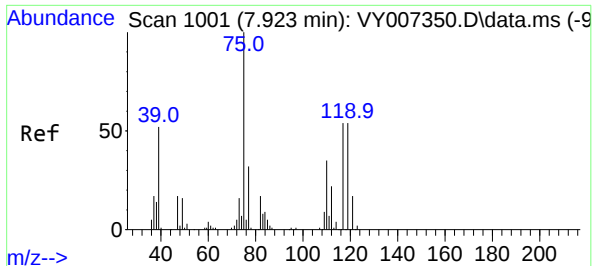
Ion Ratio Lower Upper

113 100

111 103.7 82.6 124.0

192 18.8 17.6 26.4





#36

1,1-Dichloropropene

Concen: 3.828 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.140 min

Lab File: VY007534.D

Acq: 17 Feb 2022 19:45

Instrument :

MSVOA_Y

ClientSampleId :

D-9

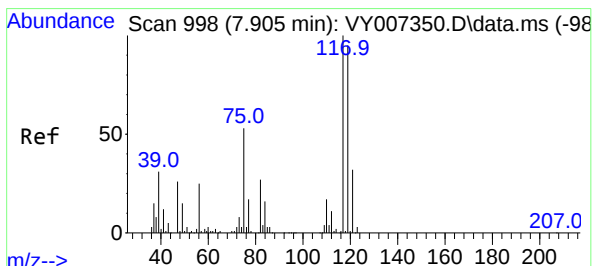
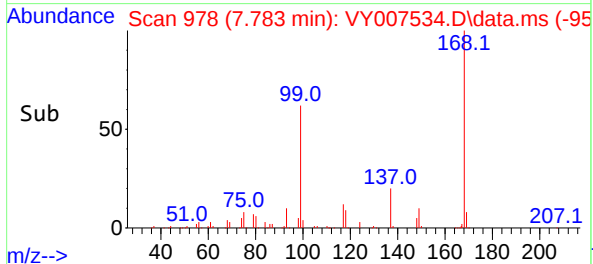
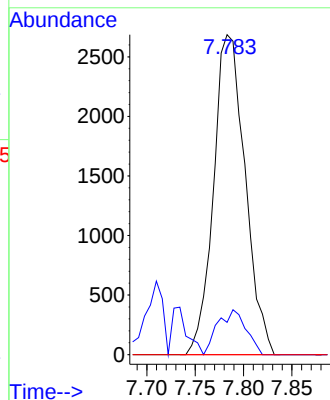
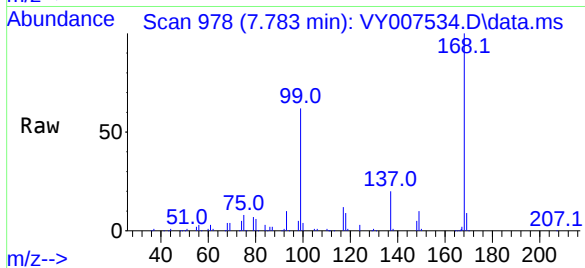
Tgt Ion: 75 Resp: 6097

Ion Ratio Lower Upper

75 100

110 12.6 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 4.993 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.122 min

Lab File: VY007534.D

Acq: 17 Feb 2022 19:45

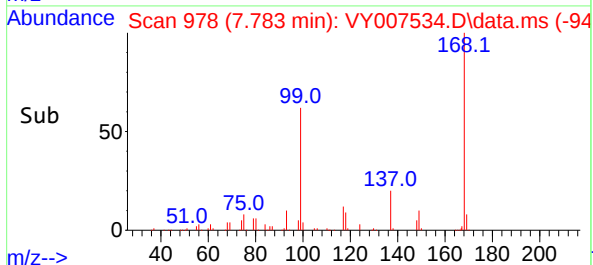
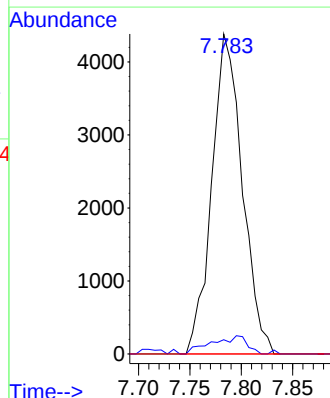
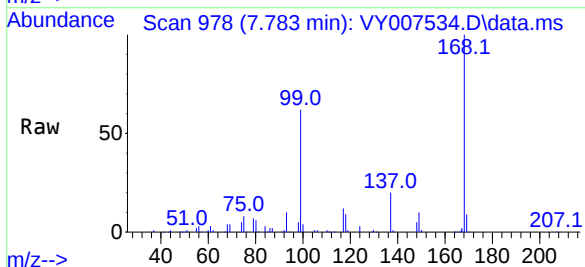
Tgt Ion: 117 Resp: 9036

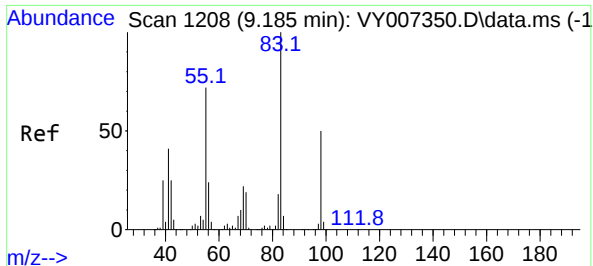
Ion Ratio Lower Upper

117 100

119 4.4 77.9 116.9#

121 0.0 24.8 37.2#





#39

Methylcyclohexane

Concen: 1.978 ug/l

RT: 9.179 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY007534.D

Acq: 17 Feb 2022 19:45

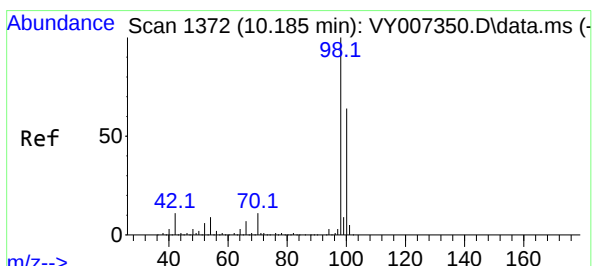
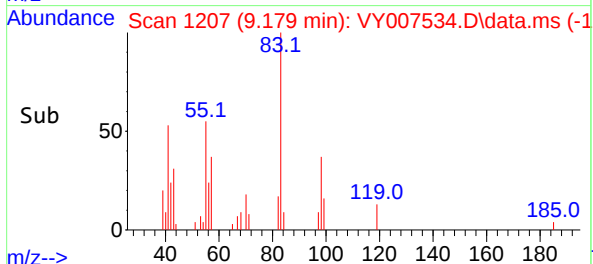
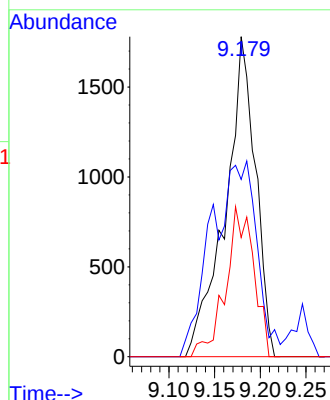
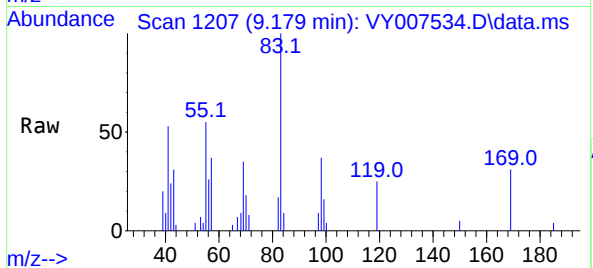
Instrument :

MSVOA_Y

ClientSampleId :

D-9

Tgt Ion: 83	Resp:	4090
Ion	Ratio	Lower Upper
83	100	
55	55.4	66.5 99.7#
98	37.2	37.9 56.9#



#50

Toluene-d8

Concen: 50.608 ug/l

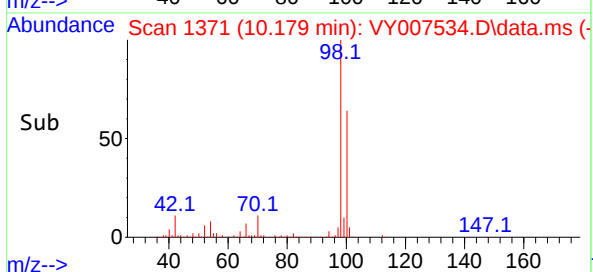
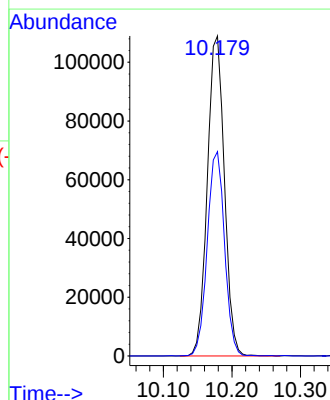
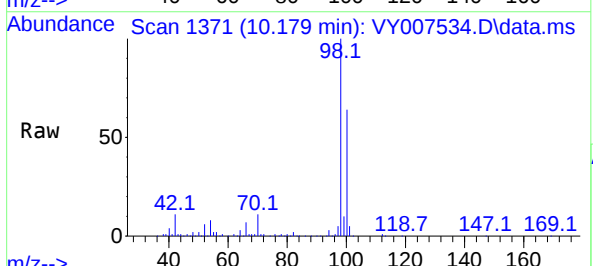
RT: 10.179 min Scan# 1371

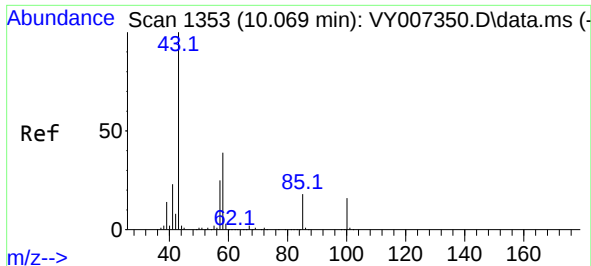
Delta R.T. -0.006 min

Lab File: VY007534.D

Acq: 17 Feb 2022 19:45

Tgt Ion: 98	Resp:	188971
Ion	Ratio	Lower Upper
98	100	
100	64.6	50.2 75.2

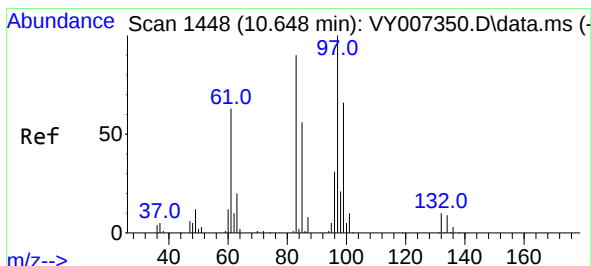
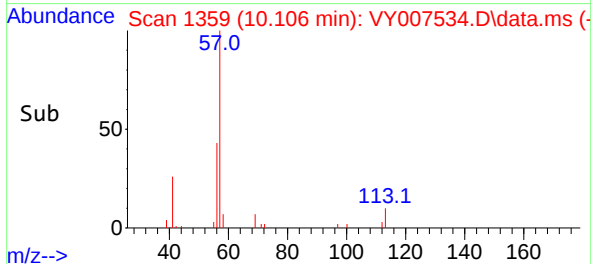
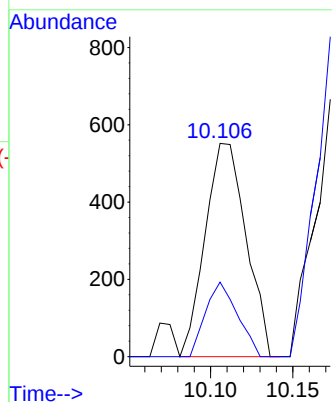
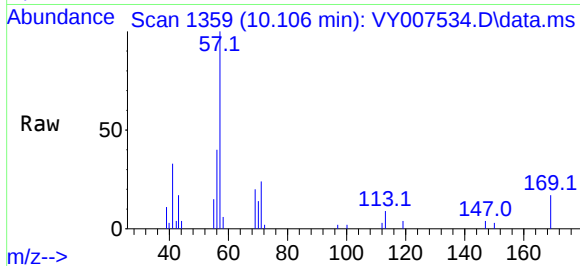




#51
4-Methyl-2-Pentanone
Concen: 1.318 ug/l
RT: 10.106 min Scan# 11
Delta R.T. 0.037 min
Lab File: VY007534.D
Acq: 17 Feb 2022 19:45

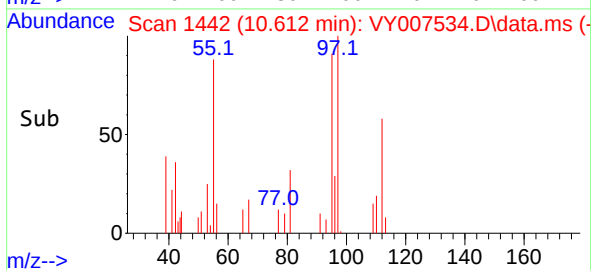
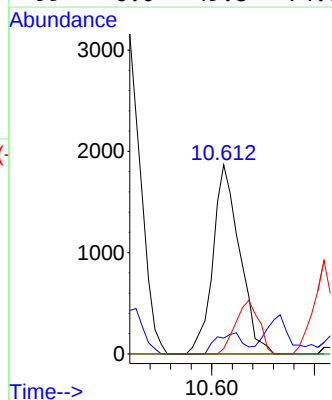
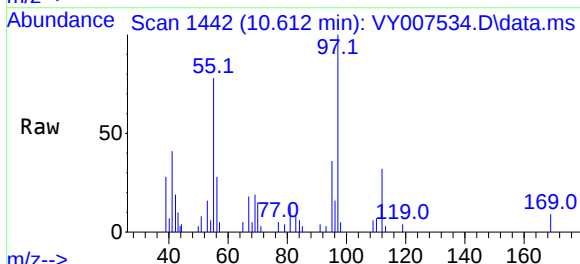
Instrument :
MSVOA_Y
ClientSampleId :
D-9

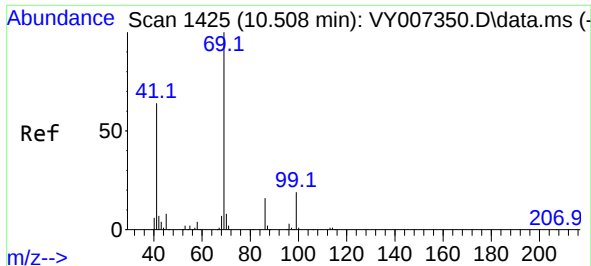
Tgt Ion: 43 Resp: 957
Ion Ratio Lower Upper
43 100
58 27.2 28.1 42.1#



#55
1,1,2-Trichloroethane
Concen: 3.939 ug/l
RT: 10.612 min Scan# 1442
Delta R.T. -0.036 min
Lab File: VY007534.D
Acq: 17 Feb 2022 19:45

Tgt Ion: 97 Resp: 3378
Ion Ratio Lower Upper
97 100
83 8.4 69.8 104.8#
85 2.8 44.3 66.5#
99 0.0 49.8 74.6#

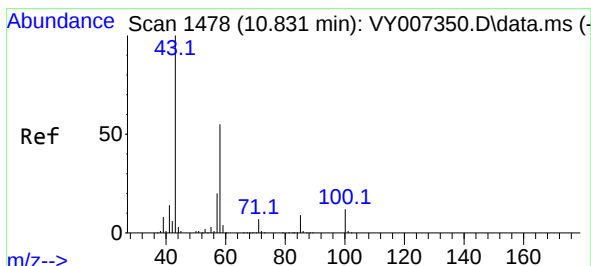
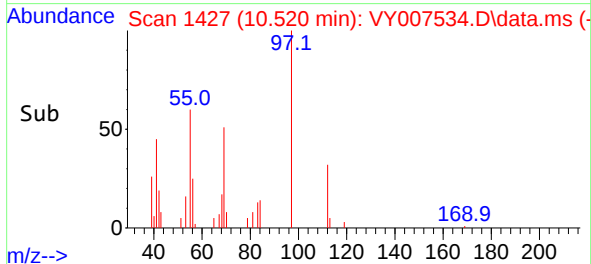
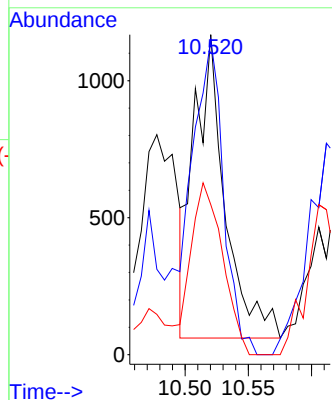
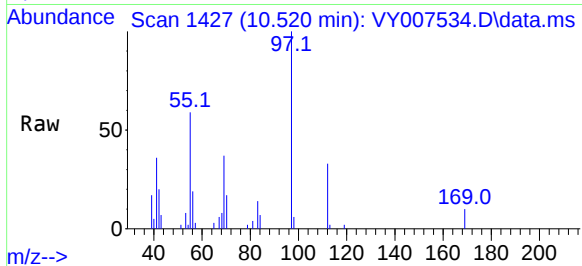




#56
Ethyl methacrylate
Concen: 1.640 ug/l
RT: 10.520 min Scan# 1427
Delta R.T. 0.012 min
Lab File: VY007534.D
Acq: 17 Feb 2022 19:45

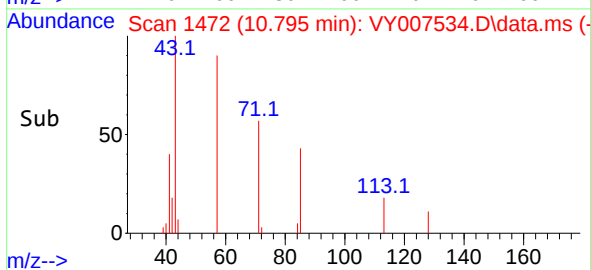
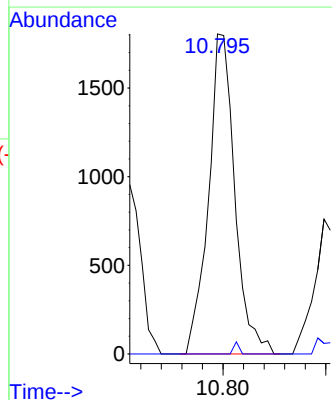
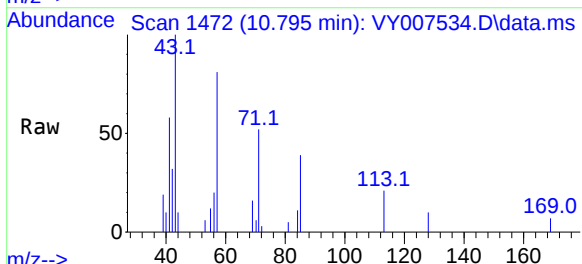
Instrument :
MSVOA_Y
ClientSampleId :
D-9

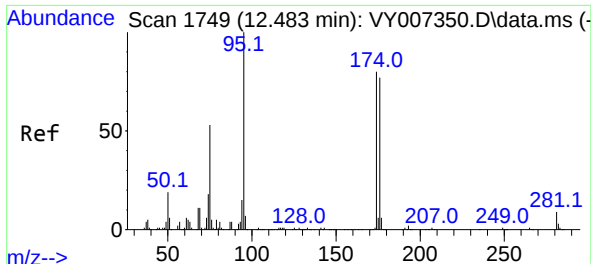
Tgt Ion: 69 Resp: 1891
Ion Ratio Lower Upper
69 100
41 113.7 63.4 95.0#
39 59.2 35.8 53.8#



#59
2-Hexanone
Concen: 6.129 ug/l
RT: 10.795 min Scan# 1472
Delta R.T. -0.036 min
Lab File: VY007534.D
Acq: 17 Feb 2022 19:45

Tgt Ion: 43 Resp: 3212
Ion Ratio Lower Upper
43 100
58 0.8 24.4 73.4#

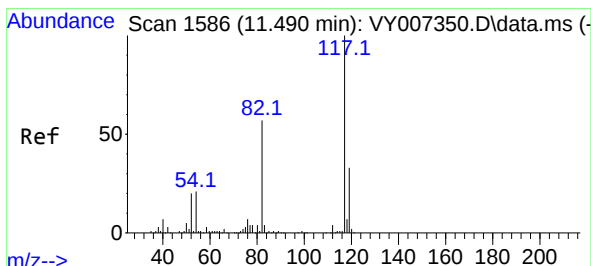
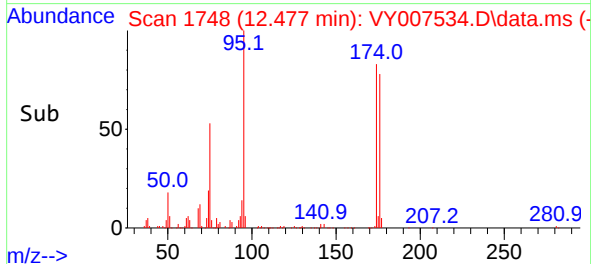
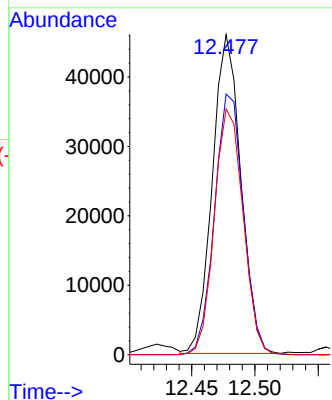
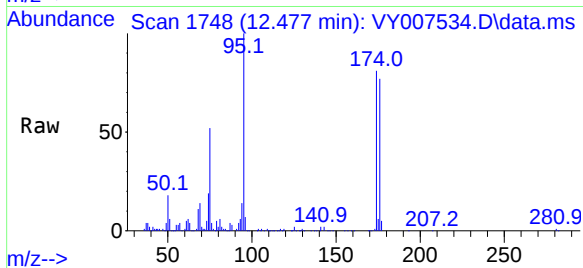




#62
4-Bromofluorobenzene
Concen: 56.632 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY007534.D
Acq: 17 Feb 2022 19:45

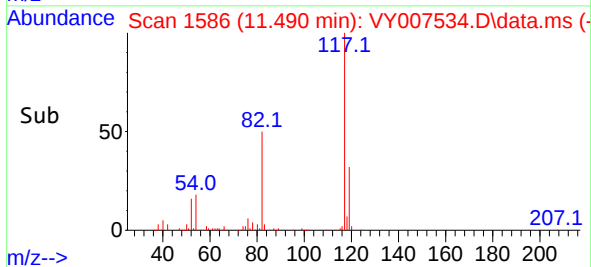
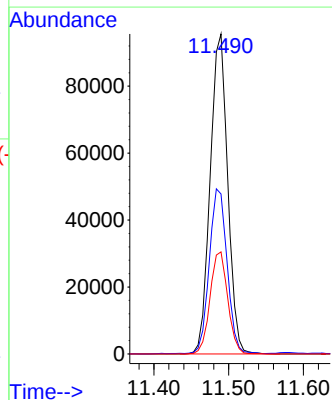
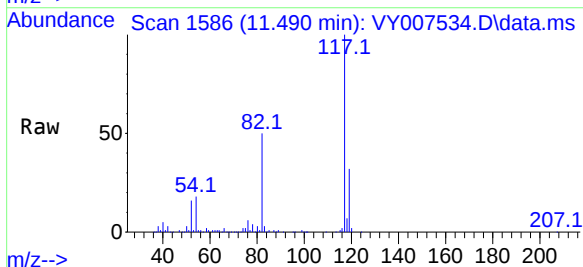
Instrument :
MSVOA_Y
ClientSampleId :
D-9

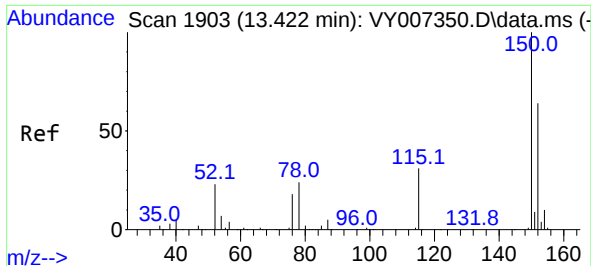
Tgt Ion: 95 Resp: 71703
Ion Ratio Lower Upper
95 100
174 83.1 0.0 177.0
176 78.1 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY007534.D
Acq: 17 Feb 2022 19:45

Tgt Ion: 117 Resp: 155285
Ion Ratio Lower Upper
117 100
82 49.8 43.0 64.4
119 31.9 25.4 38.0

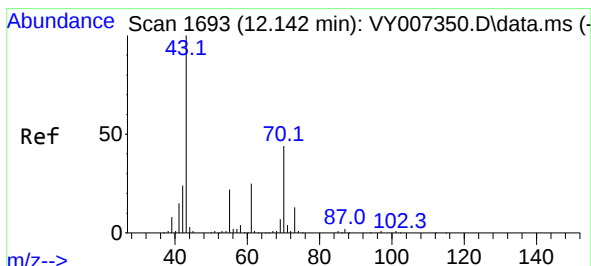
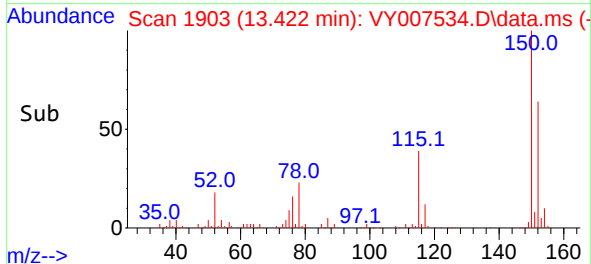
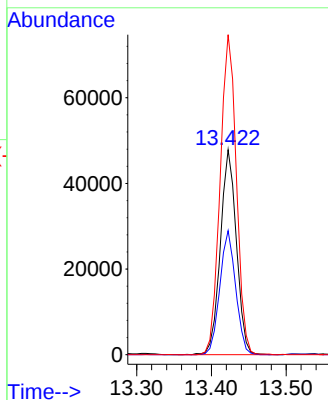
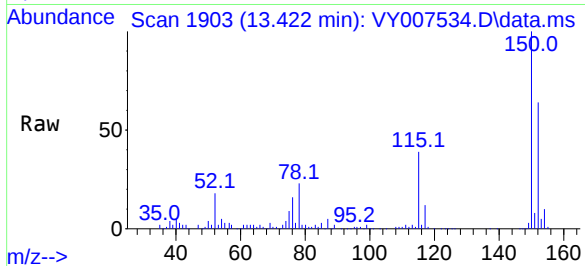




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY007534.D
Acq: 17 Feb 2022 19:45

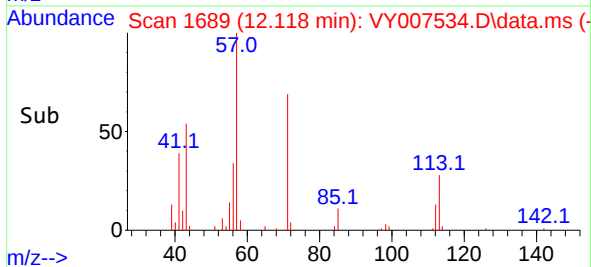
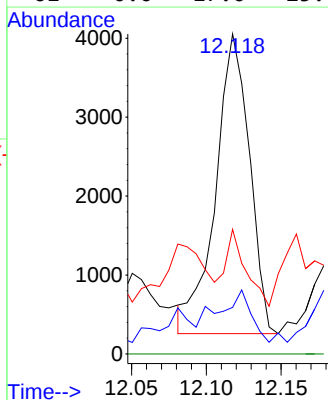
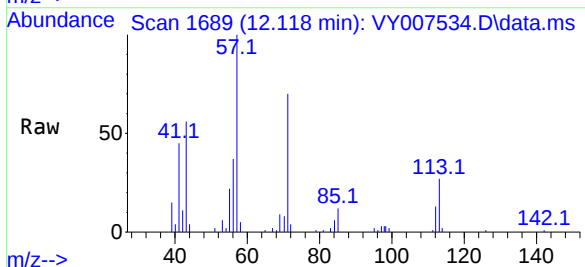
Instrument :
MSVOA_Y
ClientSampleId :
D-9

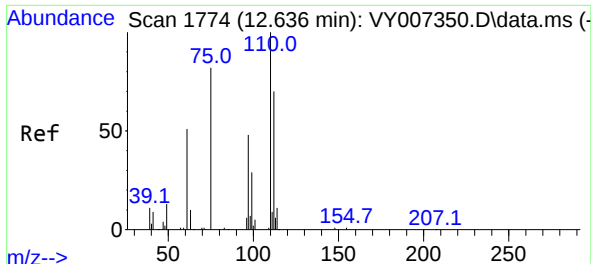
Tgt Ion:152 Resp: 71392
Ion Ratio Lower Upper
152 100
115 59.7 28.2 84.7
150 158.1 0.0 347.6



#74
N-ethyl acetate
Concen: 4.167 ug/l
RT: 12.118 min Scan# 1689
Delta R.T. -0.024 min
Lab File: VY007534.D
Acq: 17 Feb 2022 19:45

Tgt Ion: 43 Resp: 5966
Ion Ratio Lower Upper
43 100
70 17.2 28.7 43.1#
55 15.4 17.3 25.9#
61 0.0 17.0 25.6#

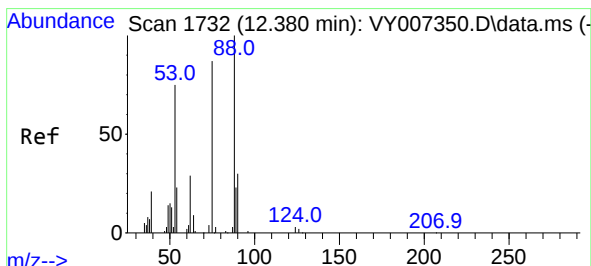
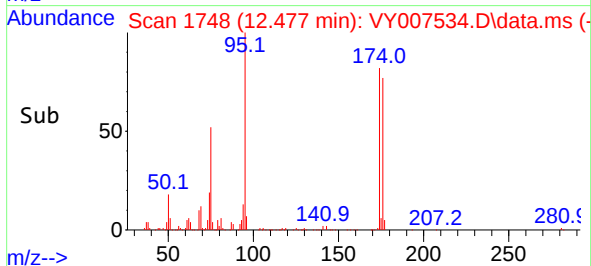
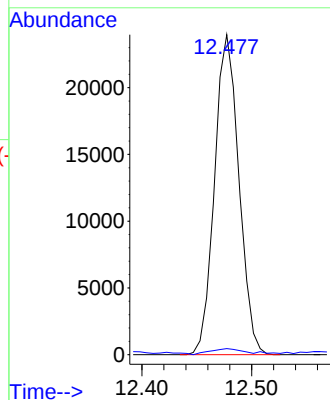
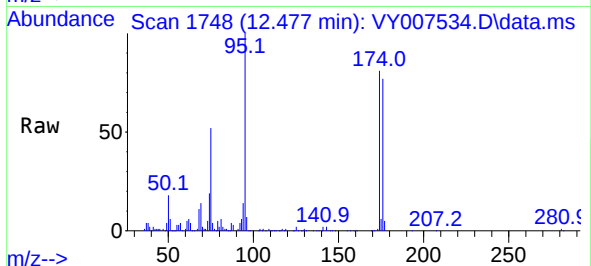




#76
1,2,3-Trichloropropane
Concen: 44.835 ug/l
RT: 12.477 min Scan# 1774
Delta R.T. -0.159 min
Lab File: VY007534.D
Acq: 17 Feb 2022 19:45

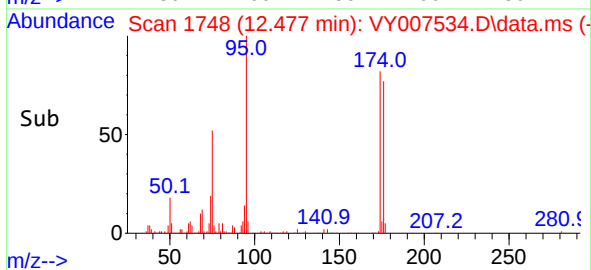
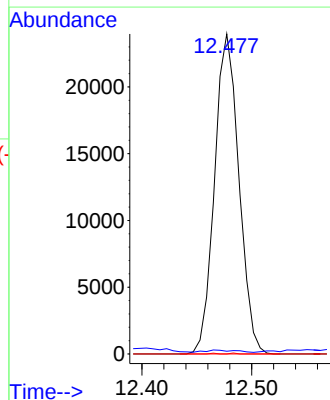
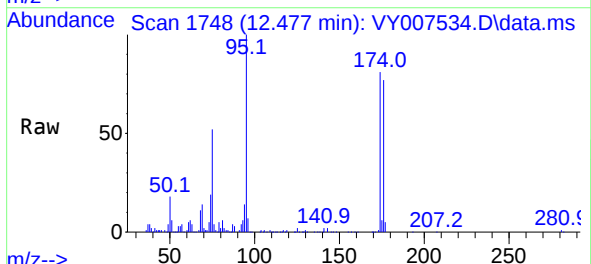
Instrument :
MSVOA_Y
ClientSampleId :
D-9

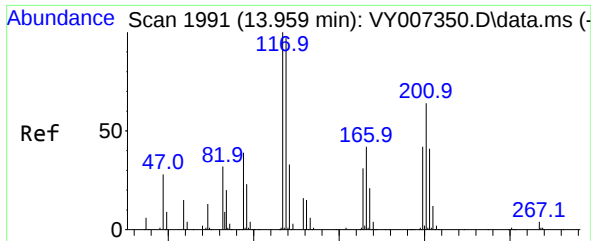
Tgt Ion: 75 Resp: 36984
Ion Ratio Lower Upper
75 100
77 2.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 93.186 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.097 min
Lab File: VY007534.D
Acq: 17 Feb 2022 19:45

Tgt Ion: 75 Resp: 36984
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.1 37.0 55.4#





#90
 Hexachloroethane
 Concen: 2.053 ug/l
 RT: 13.971 min Scan# 1993
 Delta R.T. 0.012 min
 Lab File: VY007534.D
 Acq: 17 Feb 2022 19:45

Instrument :
 MSVOA_Y
 ClientSampleId :
 D-9

Tgt Ion:117 Resp: 2181
 Ion Ratio Lower Upper
 117 100
 201 0.0 43.0 128.8#

