

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041122\
 Data File : VY008274.D
 Acq On : 11 Apr 2022 15:43
 Operator : KP/MD
 Sample : N2340-04
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 12 06:58:56 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y040822S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 08 16:02:50 2022
 Response via : Initial Calibration

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

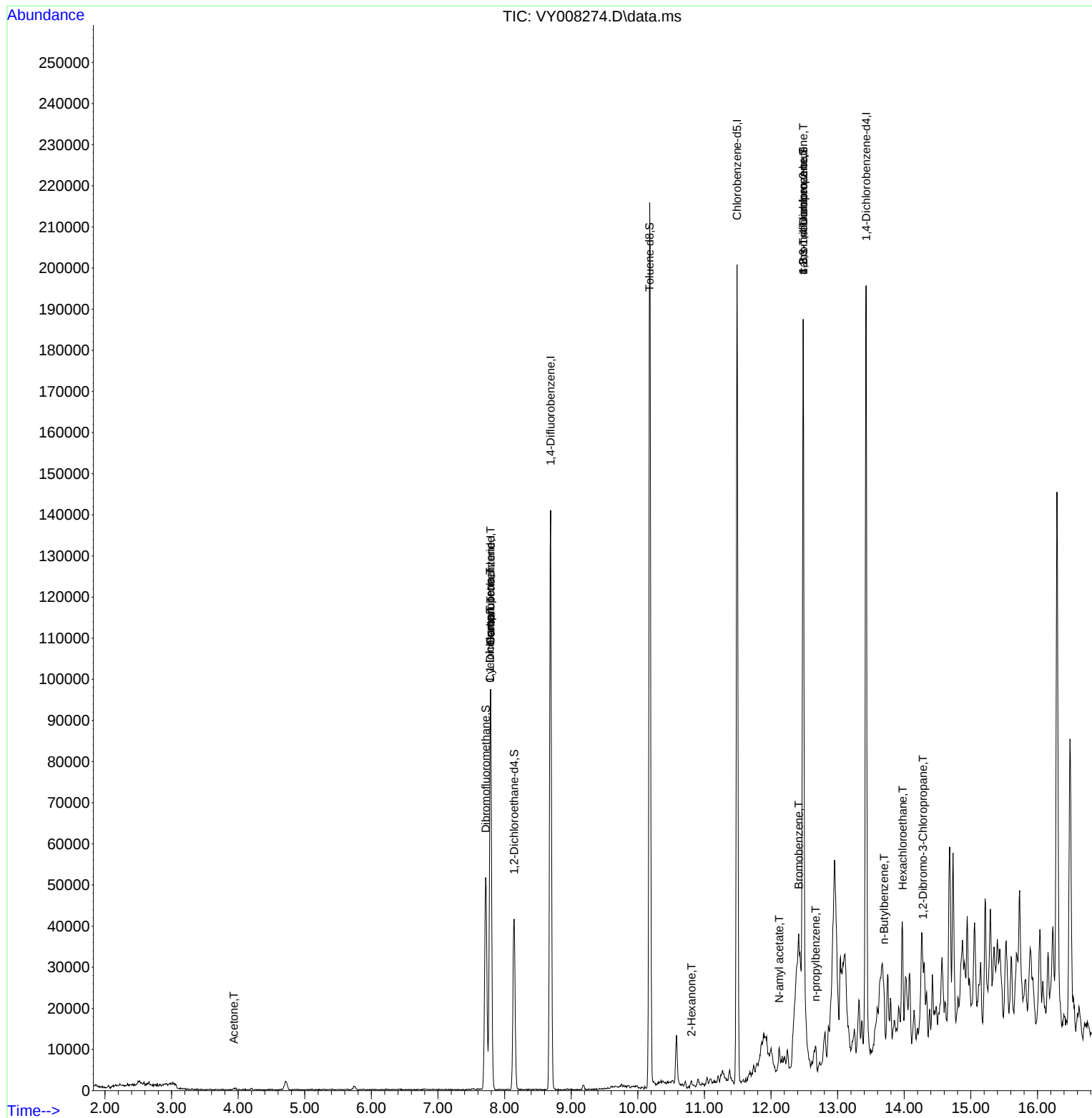
Internal Standards						
1) Pentafluorobenzene	7.789	168	76116	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	125433	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	110800	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	48771	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	33468	46.810	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	93.620%
35) Dibromofluoromethane	7.716	113	37626	51.935	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.880%
50) Toluene-d8	10.179	98	148713	59.989	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	119.980%
62) 4-Bromofluorobenzene	12.483	95	46789	50.180	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	100.360%
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	267	Below Cal	#	44
5) Bromomethane	2.668	94	224	Below Cal		94
16) Acetone	3.936	43	866	5.036	ug/l	98
18) Methyl Acetate	4.478	43	20	Below Cal	#	56
20) Methylene Chloride	4.722	84	1737	Below Cal	#	64
31) Cyclohexane	7.783	56	1560	1.207	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	5594	4.835	ug/l #	52
38) Carbon Tetrachloride	7.789	117	7530	6.050	ug/l #	15
59) 2-Hexanone	10.807	43	822	2.090	ug/l #	28
74) N-amyl acetate	12.123	43	818	1.039	ug/l #	55
76) 1,2,3-Trichloropropane	12.483	75	24897	46.157	ug/l #	100
77) Bromobenzene	12.416	156	23209	26.120	ug/l #	1
78) n-propylbenzene	12.672	91	4998	1.168	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.483	75	24897	103.275	ug/l #	8
89) n-Butylbenzene	13.696	91	4070	1.365	ug/l #	87
90) Hexachloroethane	13.977	117	1325	2.148	ug/l #	6
92) 1,2-Dibromo-3-Chloropr...	14.282	75	150	1.366	ug/l	72

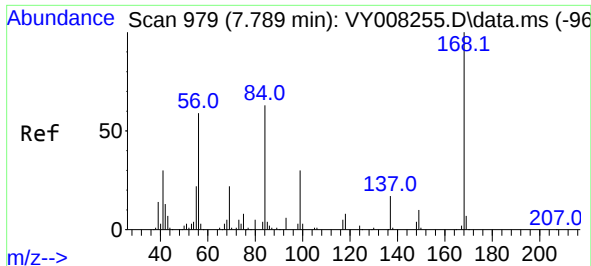
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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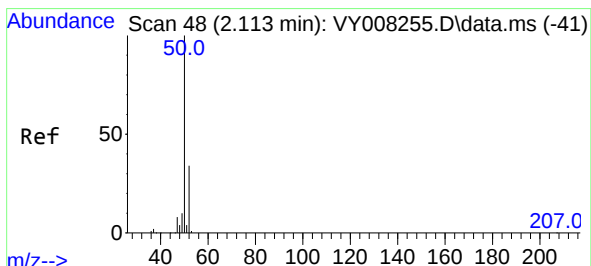
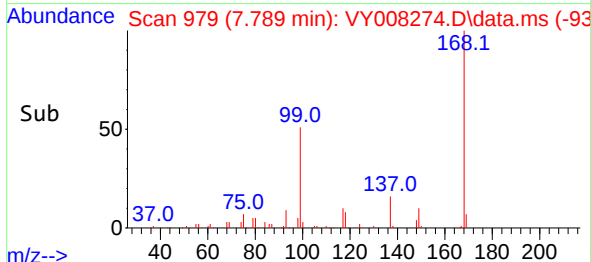
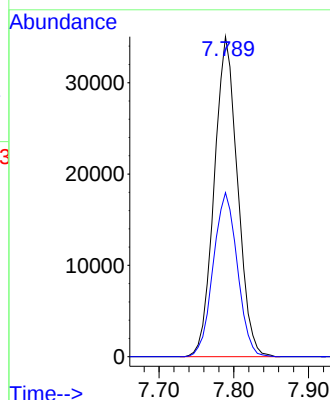
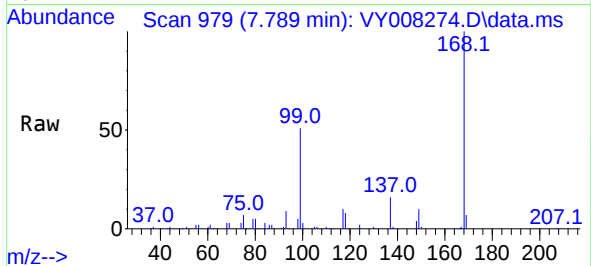




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008274.D
Acq: 11 Apr 2022 15:43

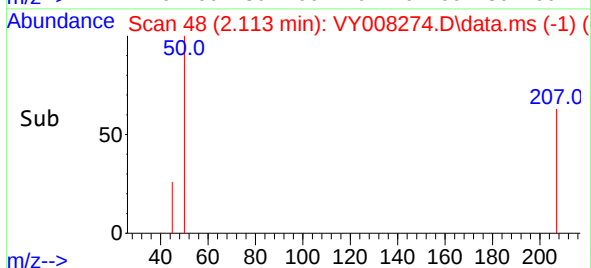
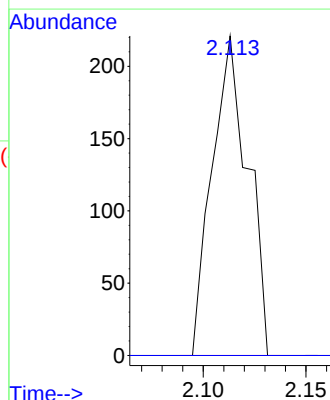
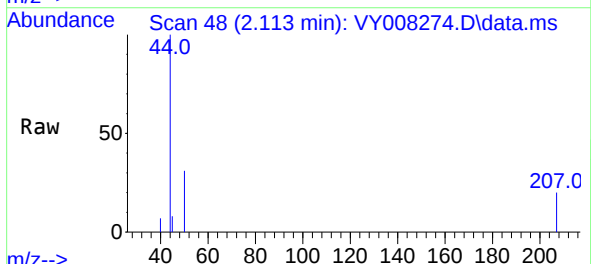
Instrument :
MSVOA_Y
ClientSampleId :

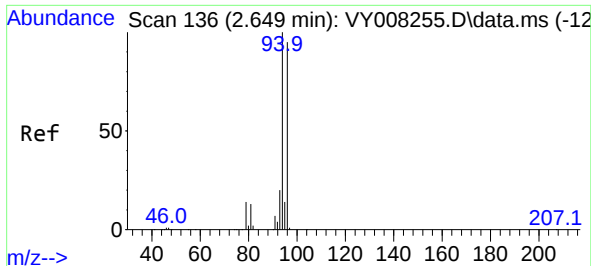
Tgt Ion:168 Resp: 76116
Ion Ratio Lower Upper
168 100
99 51.3 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY008274.D
Acq: 11 Apr 2022 15:43

Tgt Ion: 50 Resp: 267
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#

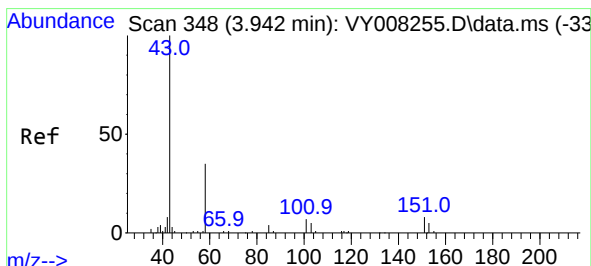
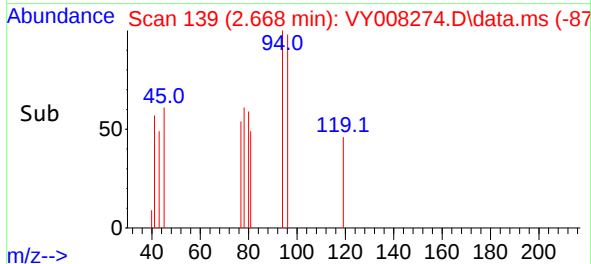
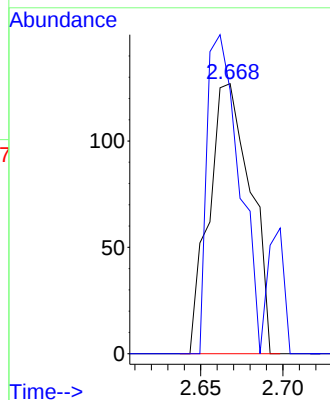
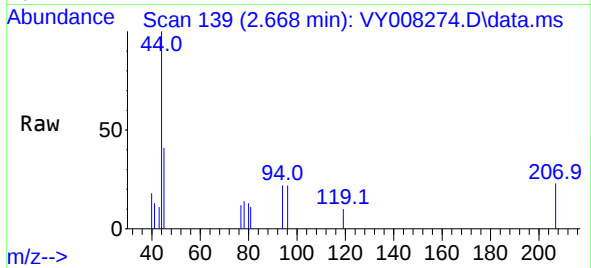




#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 11
Delta R.T. 0.019 min
Lab File: VY008274.D
Acq: 11 Apr 2022 15:43

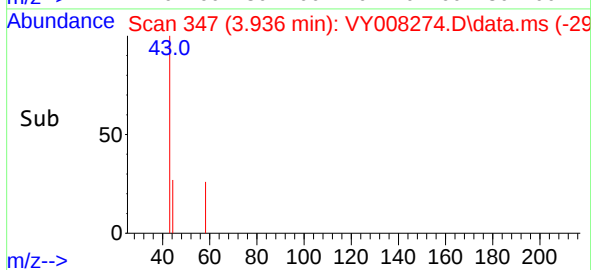
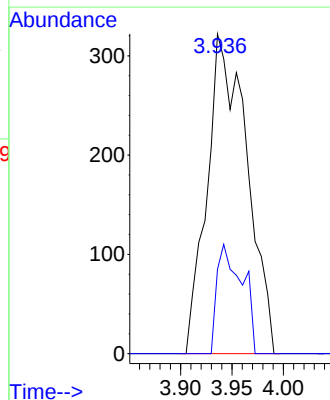
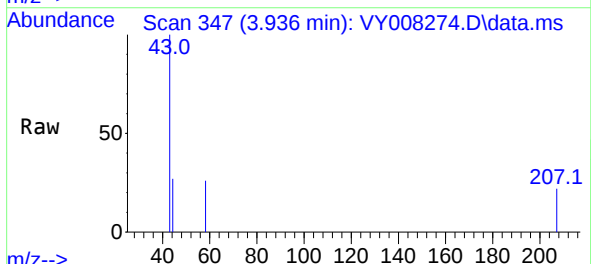
Instrument :
MSVOA_Y
ClientSampleId :

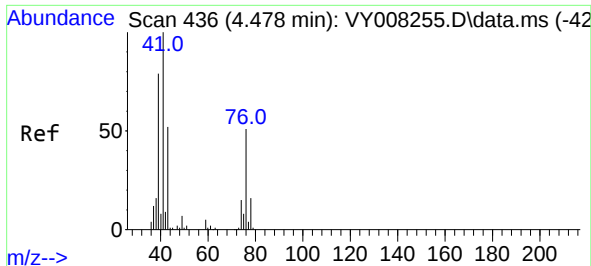
Tgt Ion: 94 Resp: 224
Ion Ratio Lower Upper
94 100
96 97.6 73.5 110.3



#16
Acetone
Concen: 5.036 ug/l
RT: 3.936 min Scan# 347
Delta R.T. -0.006 min
Lab File: VY008274.D
Acq: 11 Apr 2022 15:43

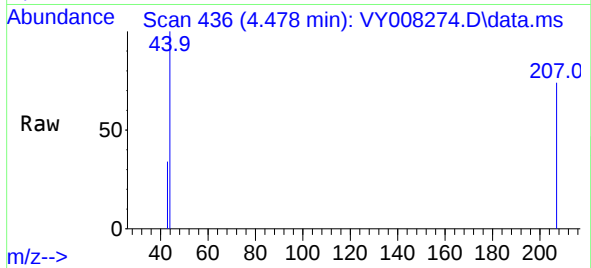
Tgt Ion: 43 Resp: 866
Ion Ratio Lower Upper
43 100
58 26.4 22.0 33.0



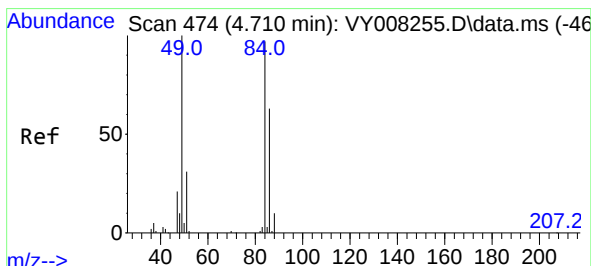
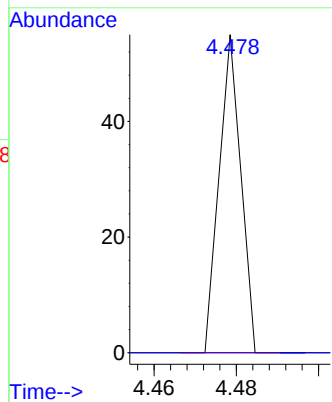
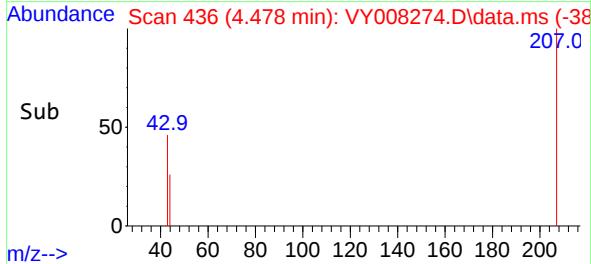


#18
Methyl Acetate
Concen: Below Cal
RT: 4.478 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY008274.D
Acq: 11 Apr 2022 15:43

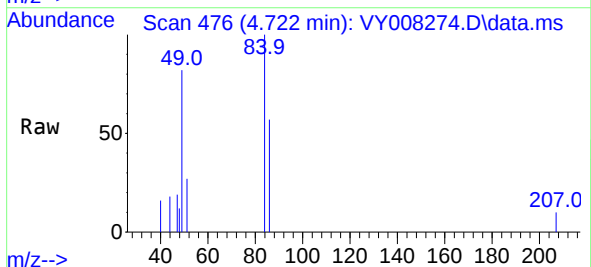
Instrument :
MSVOA_Y
ClientSampleId :



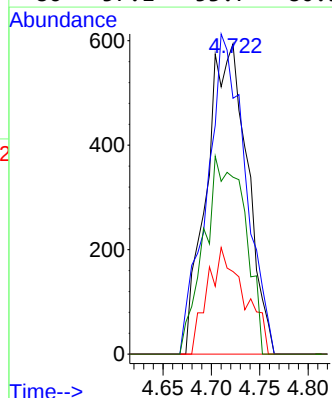
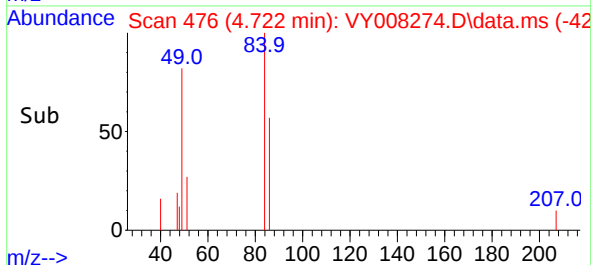
Tgt Ion: 43 Resp: 20
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#

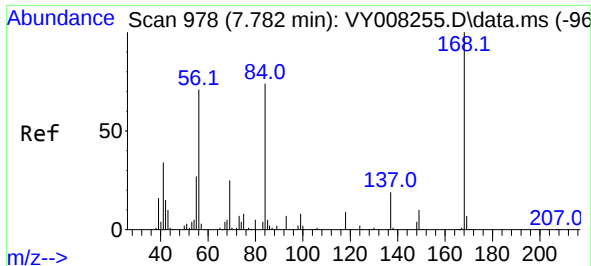


#20
Methylene Chloride
Concen: Below Cal
RT: 4.722 min Scan# 476
Delta R.T. 0.012 min
Lab File: VY008274.D
Acq: 11 Apr 2022 15:43



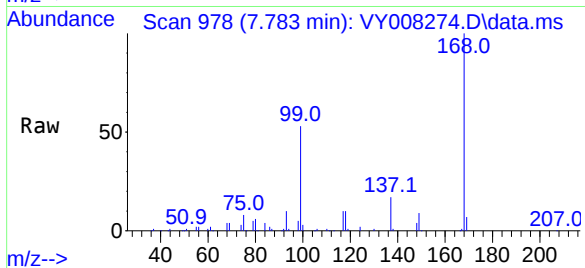
Tgt Ion: 84 Resp: 1737
Ion Ratio Lower Upper
84 100
49 82.5 114.4 171.6#
51 26.6 35.3 52.9#
86 57.1 53.7 80.5



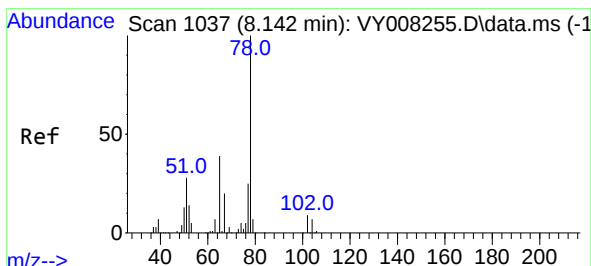
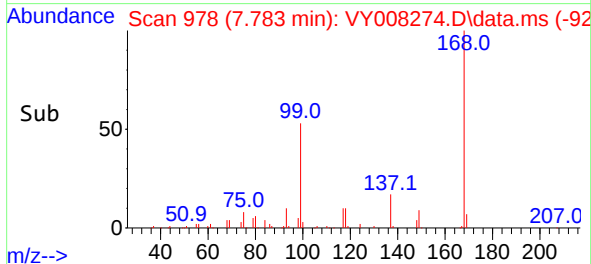
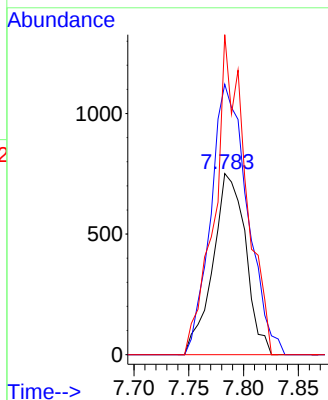


#31
Cyclohexane
Concen: 1.207 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.001 min
Lab File: VY008274.D
Acq: 11 Apr 2022 15:43

Instrument :
MSVOA_Y
ClientSampleId :

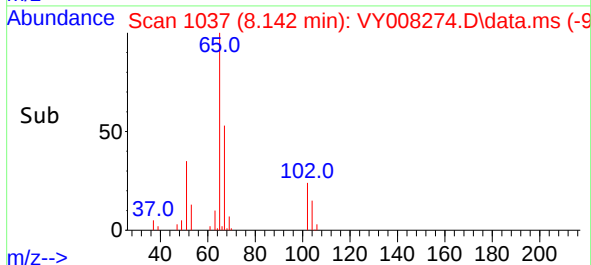
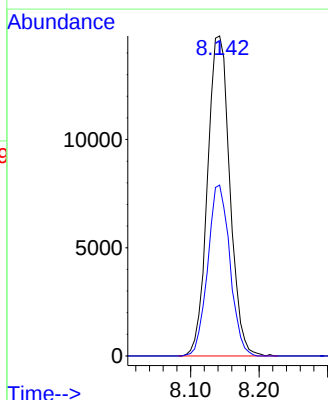
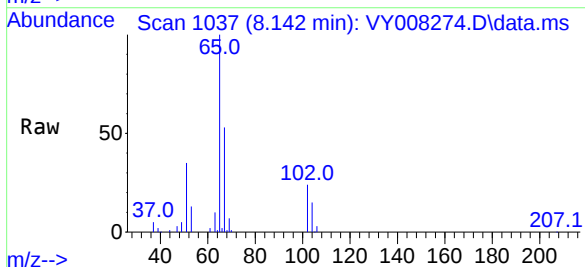


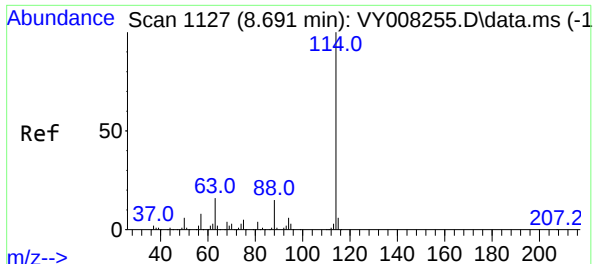
Tgt Ion: 56 Resp: 1560
Ion Ratio Lower Upper
56 100
69 149.3 26.7 40.1#
84 176.7 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 46.810 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VY008274.D
Acq: 11 Apr 2022 15:43

Tgt Ion: 65 Resp: 33468
Ion Ratio Lower Upper
65 100
67 52.9 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: VY008274.D

Acq: 11 Apr 2022 15:43

Instrument :

MSVOA_Y

ClientSampleId :

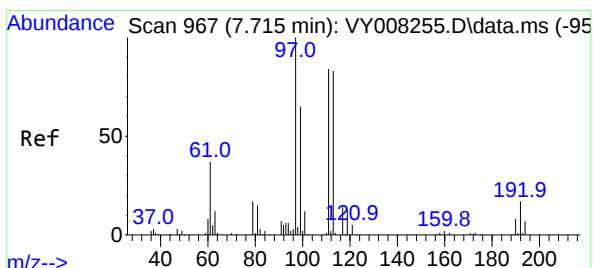
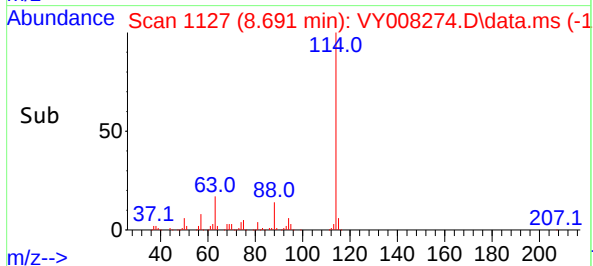
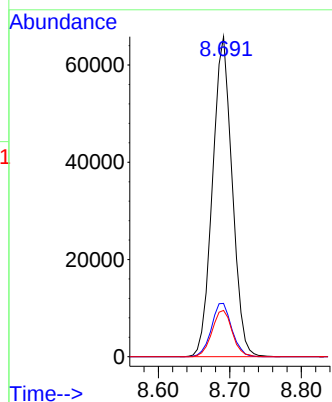
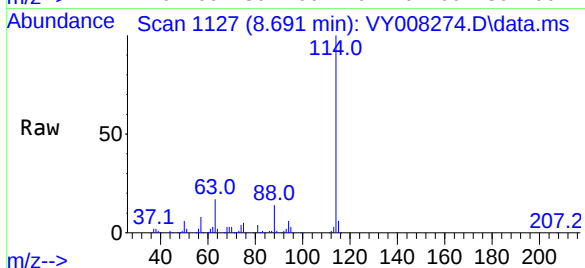
Tgt Ion:114 Resp: 125433

Ion Ratio Lower Upper

114 100

63 16.6 0.0 43.2

88 14.4 0.0 31.8



#35

Dibromofluoromethane

Concen: 51.935 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.001 min

Lab File: VY008274.D

Acq: 11 Apr 2022 15:43

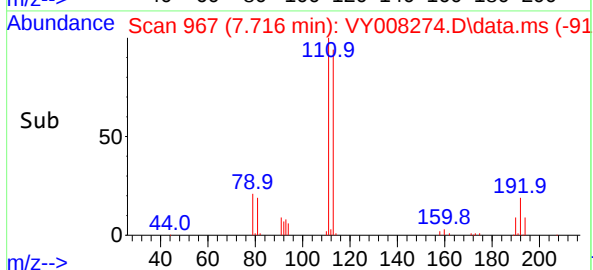
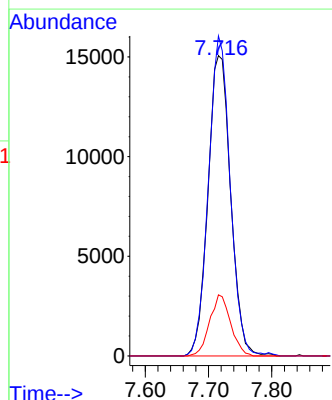
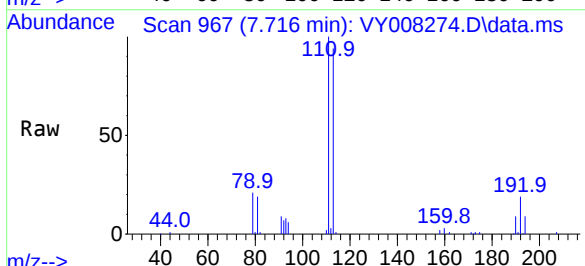
Tgt Ion:113 Resp: 37626

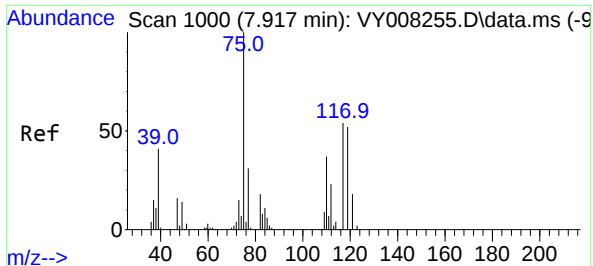
Ion Ratio Lower Upper

113 100

111 101.5 82.6 124.0

192 18.8 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.835 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY008274.D

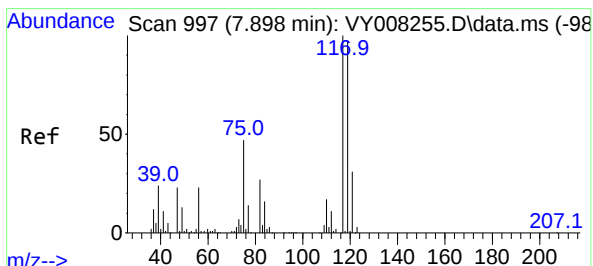
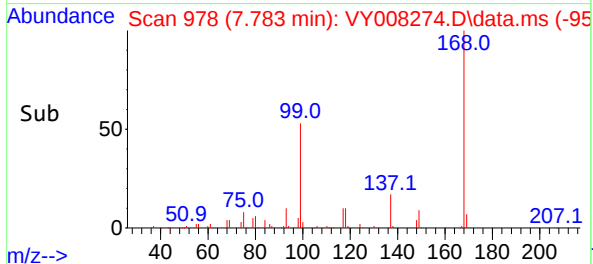
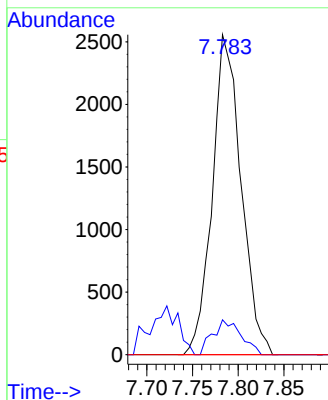
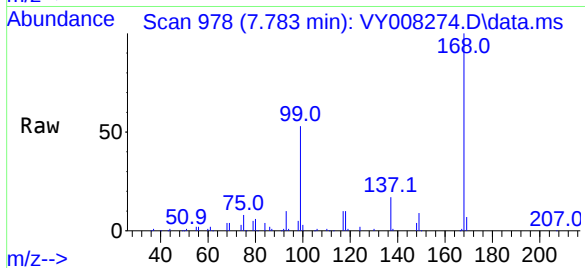
Acq: 11 Apr 2022 15:43

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:	75	Resp:	5594
Ion	Ratio	Lower	Upper
75	100		
110	10.7	17.1	51.2#
77	0.0	24.4	36.6#



#38

Carbon Tetrachloride

Concen: 6.050 ug/l

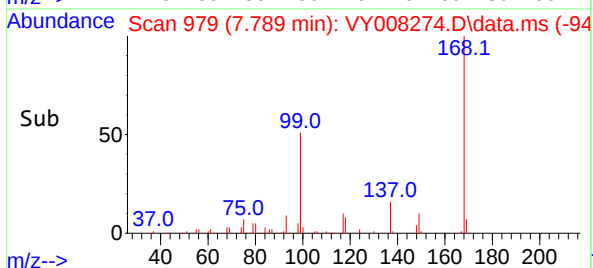
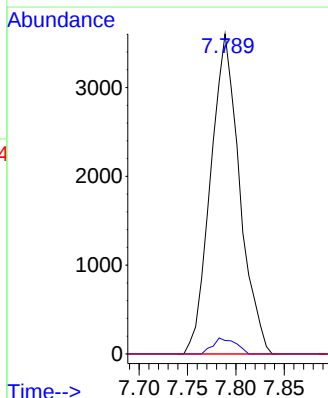
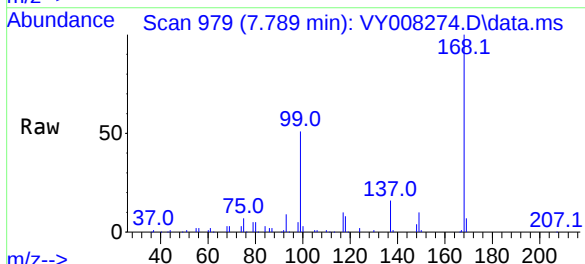
RT: 7.789 min Scan# 979

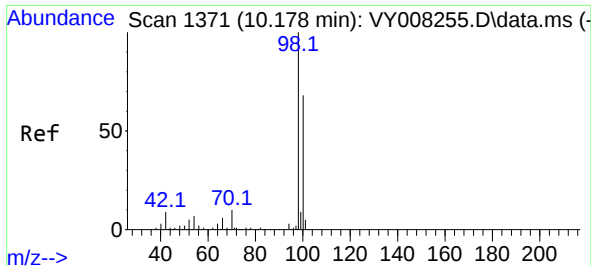
Delta R.T. -0.109 min

Lab File: VY008274.D

Acq: 11 Apr 2022 15:43

Tgt Ion:	117	Resp:	7530
Ion	Ratio	Lower	Upper
117	100		
119	4.2	77.9	116.9#
121	0.0	24.8	37.2#

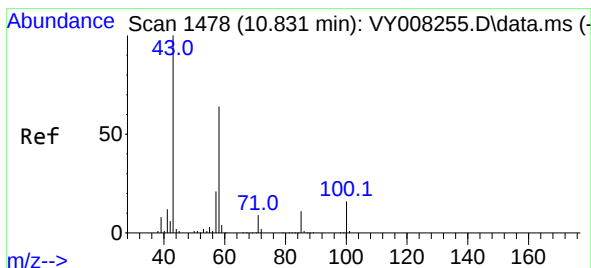
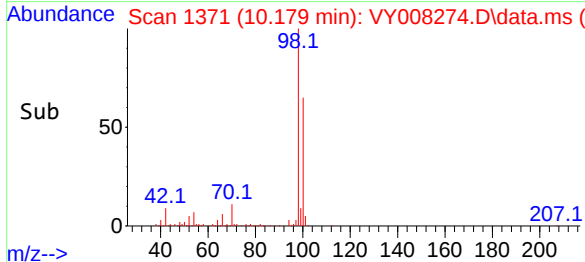
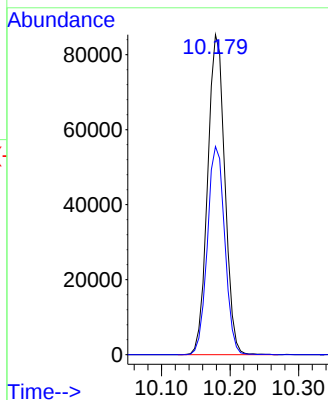
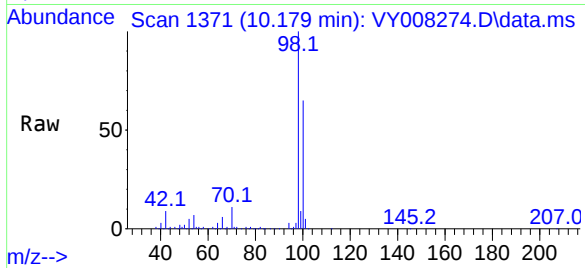




#50
Toluene-d8
Concen: 59.989 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.001 min
Lab File: VY008274.D
Acq: 11 Apr 2022 15:43

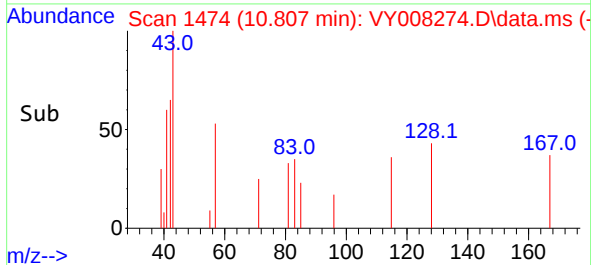
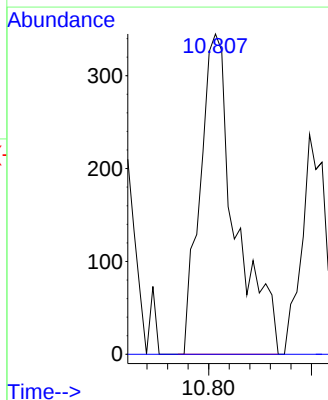
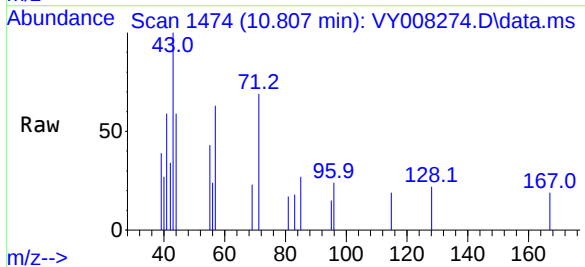
Instrument :
MSVOA_Y
ClientSampleId :

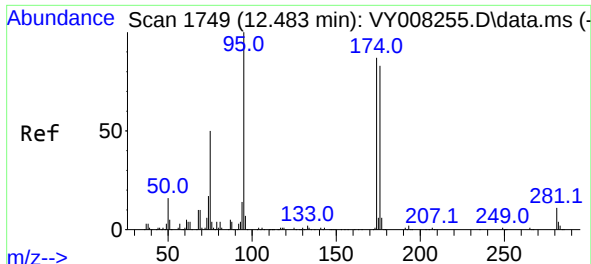
Tgt Ion: 98 Resp: 148713
Ion Ratio Lower Upper
98 100
100 65.6 50.2 75.2



#59
2-Hexanone
Concen: 2.090 ug/l
RT: 10.807 min Scan# 1474
Delta R.T. -0.024 min
Lab File: VY008274.D
Acq: 11 Apr 2022 15:43

Tgt Ion: 43 Resp: 822
Ion Ratio Lower Upper
43 100
58 0.0 24.4 73.4#

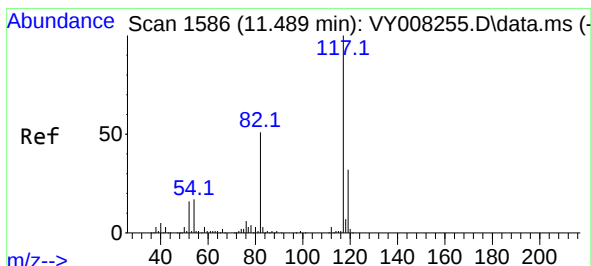
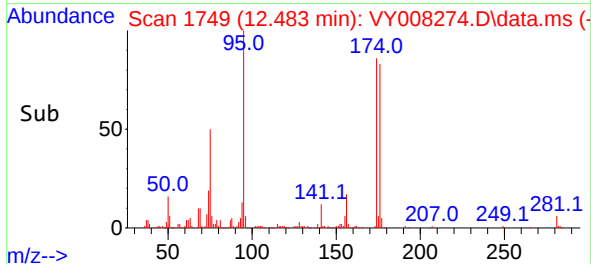
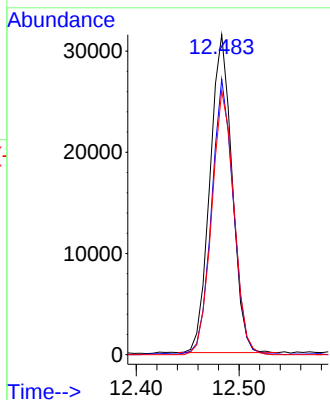
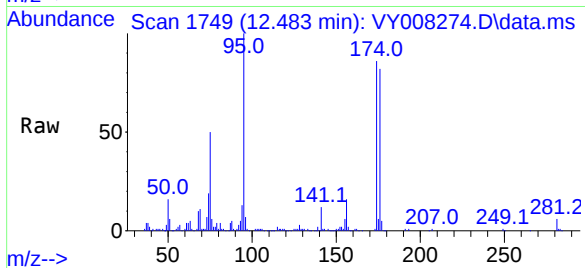




#62
4-Bromofluorobenzene
Concen: 50.180 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY008274.D
Acq: 11 Apr 2022 15:43

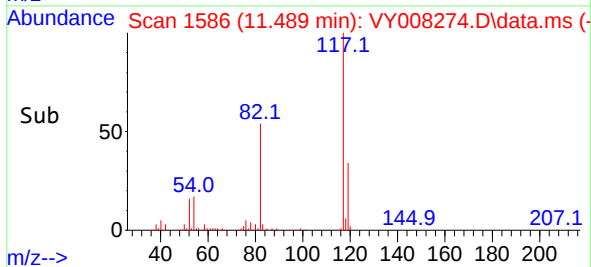
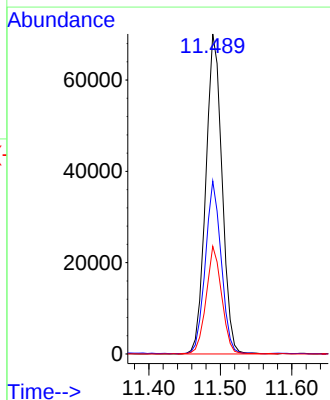
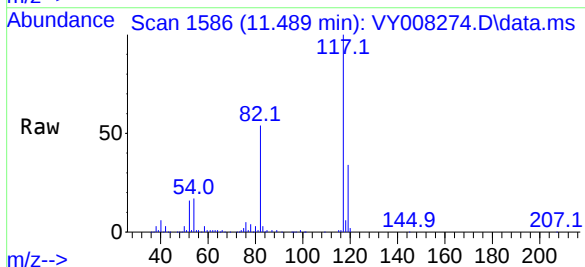
Instrument :
MSVOA_Y
ClientSampleId :

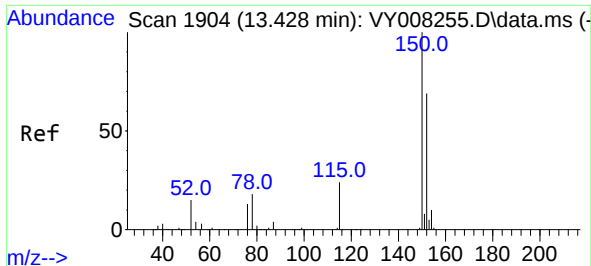
Tgt Ion: 95 Resp: 46789
Ion Ratio Lower Upper
95 100
174 85.6 0.0 177.0
176 83.6 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY008274.D
Acq: 11 Apr 2022 15:43

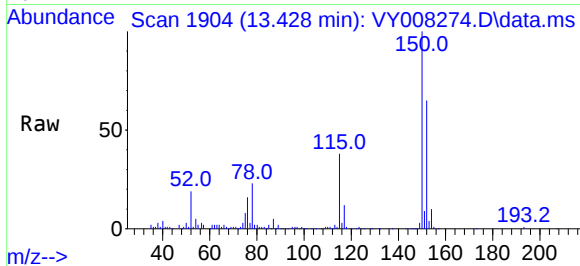
Tgt Ion: 117 Resp: 110800
Ion Ratio Lower Upper
117 100
82 54.0 43.0 64.4
119 33.6 25.4 38.0



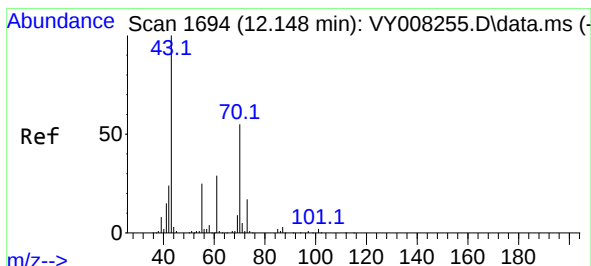
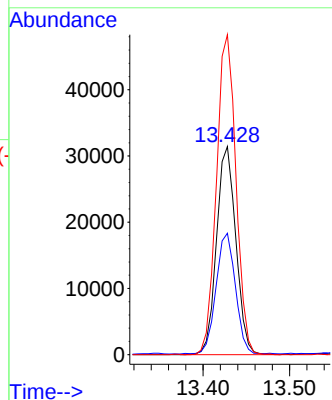
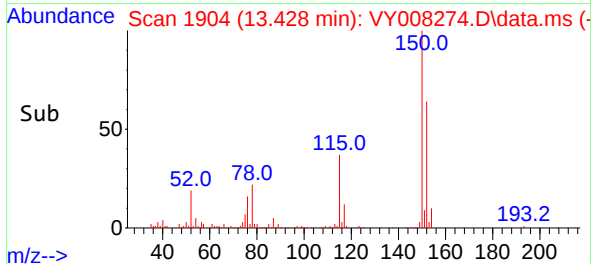


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY008274.D
Acq: 11 Apr 2022 15:43

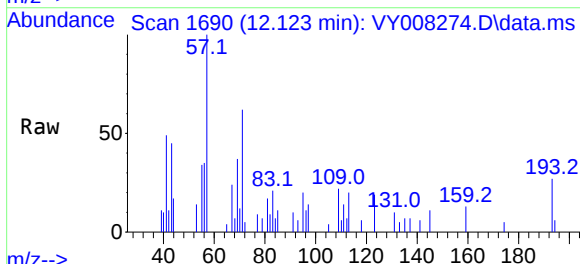
Instrument :
MSVOA_Y
ClientSampleId :



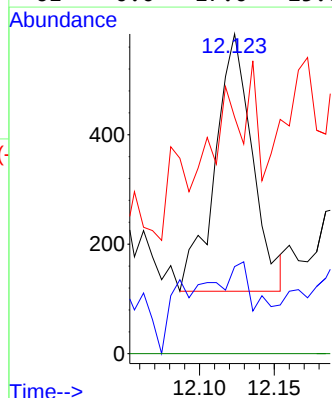
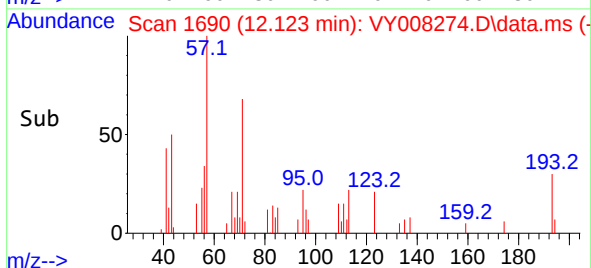
Tgt Ion:152 Resp: 48771
Ion Ratio Lower Upper
152 100
115 58.3 28.2 84.7
150 154.7 0.0 347.6

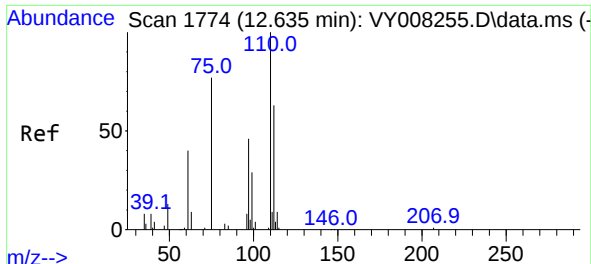


#74
N-ethyl acetate
Concen: 1.039 ug/l
RT: 12.123 min Scan# 1690
Delta R.T. -0.025 min
Lab File: VY008274.D
Acq: 11 Apr 2022 15:43



Tgt Ion: 43 Resp: 818
Ion Ratio Lower Upper
43 100
70 0.0 28.7 43.1#
55 29.5 17.3 25.9#
61 0.0 17.0 25.6#

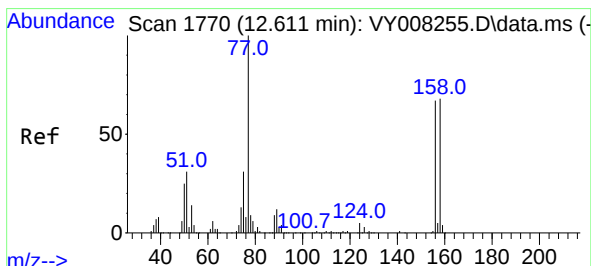
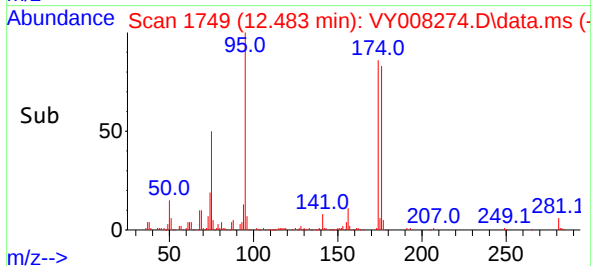
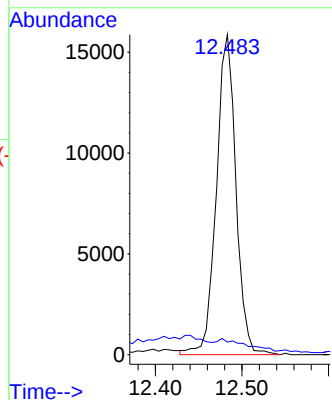
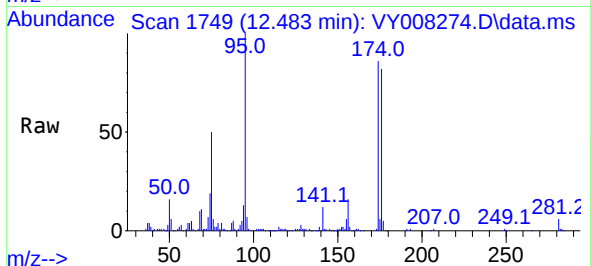




#76
1,2,3-Trichloropropane
Concen: 46.157 ug/l
RT: 12.483 min Scan# 1738
Delta R.T. -0.152 min
Lab File: VY008274.D
Acq: 11 Apr 2022 15:43

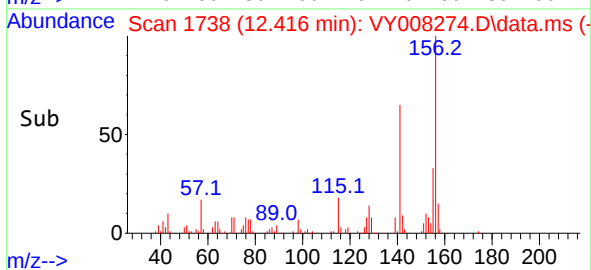
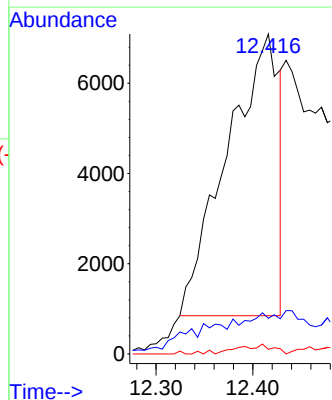
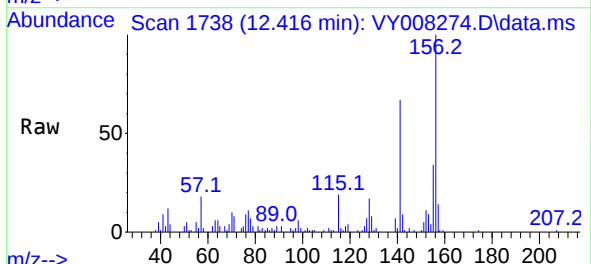
Instrument :
MSVOA_Y
ClientSampleId :

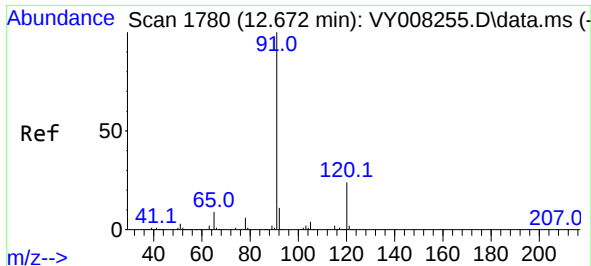
Tgt Ion: 75 Resp: 24897
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#77
Bromobenzene
Concen: 26.120 ug/l
RT: 12.416 min Scan# 1738
Delta R.T. -0.195 min
Lab File: VY008274.D
Acq: 11 Apr 2022 15:43

Tgt Ion:156 Resp: 23209
Ion Ratio Lower Upper
156 100
77 6.4 95.5 286.4#
158 0.0 48.0 144.0#

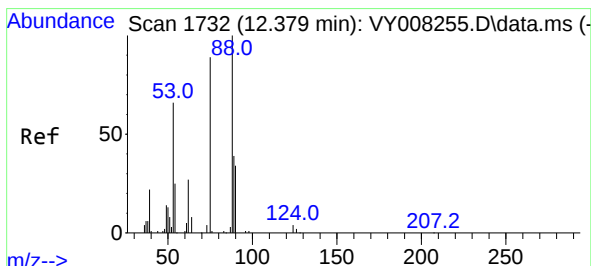
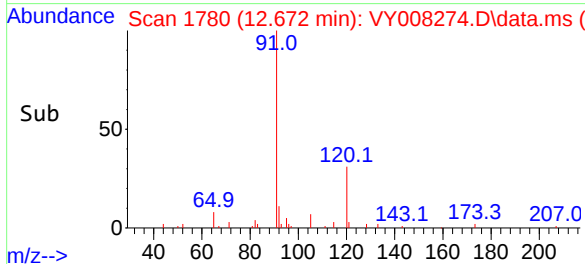
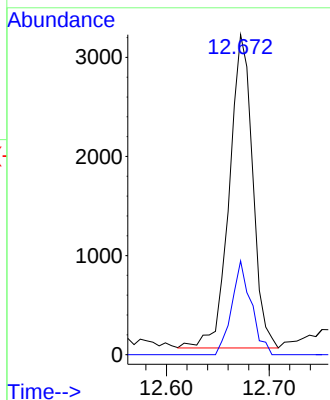
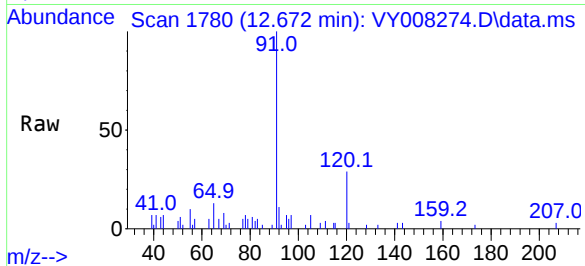




#78
n-propylbenzene
Concen: 1.168 ug/l
RT: 12.672 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY008274.D
Acq: 11 Apr 2022 15:43

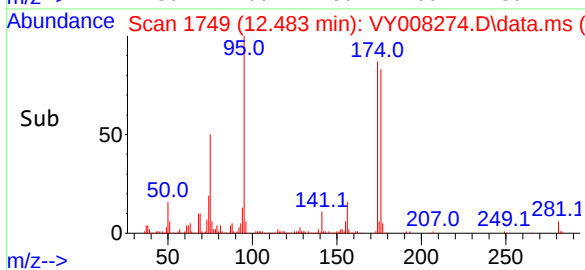
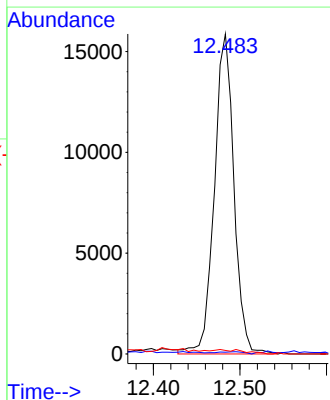
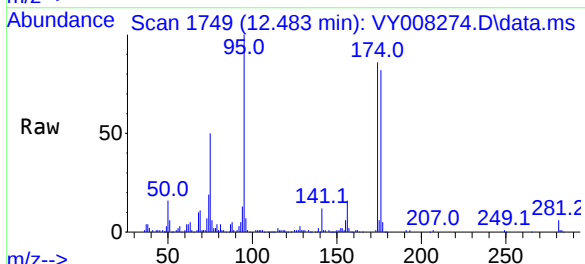
Instrument :
MSVOA_Y
ClientSampleId :

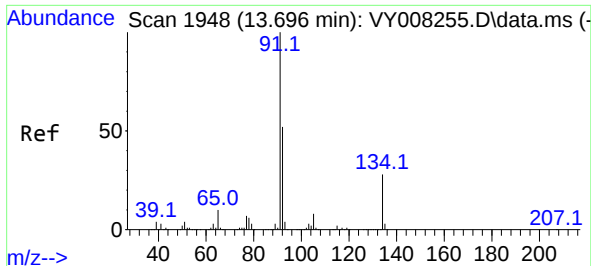
Tgt Ion: 91 Resp: 4998
Ion Ratio Lower Upper
91 100
120 24.8 11.3 33.9



#81
trans-1,4-Dichloro-2-butene
Concen: 103.275 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY008274.D
Acq: 11 Apr 2022 15:43

Tgt Ion: 75 Resp: 24897
Ion Ratio Lower Upper
75 100
53 0.8 85.3 127.9#
89 0.3 37.0 55.4#





#89

n-Butylbenzene

Concen: 1.365 ug/l

RT: 13.696 min Scan# 1948

Delta R.T. 0.000 min

Lab File: VY008274.D

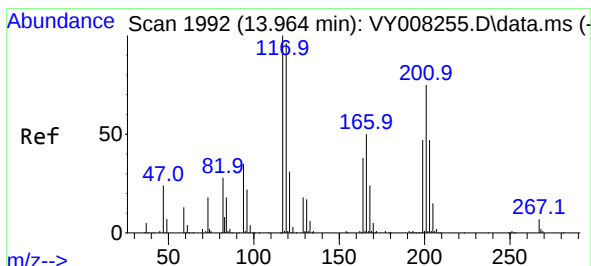
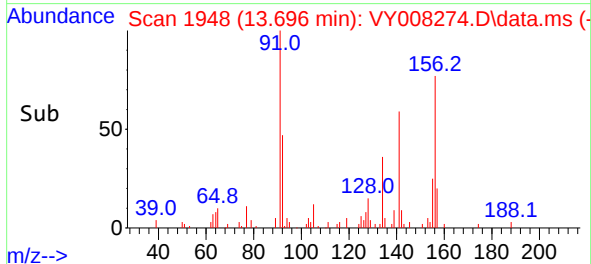
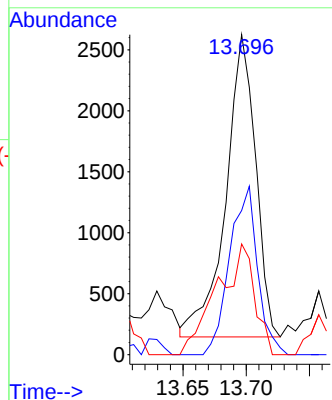
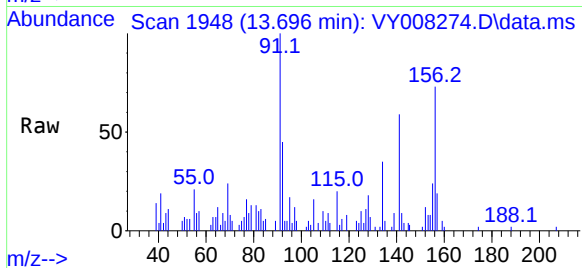
Acq: 11 Apr 2022 15:43

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:	91	Resp:	4070
Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.3	78.9
134	45.9	13.0	38.9#



#90

Hexachloroethane

Concen: 2.148 ug/l

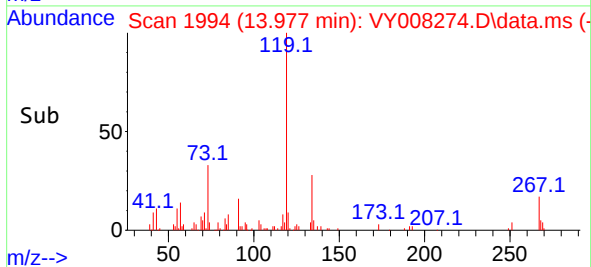
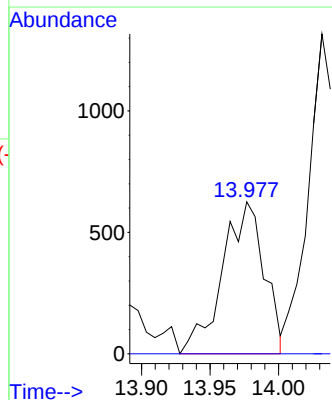
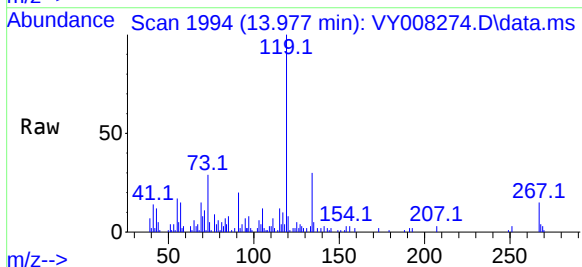
RT: 13.977 min Scan# 1994

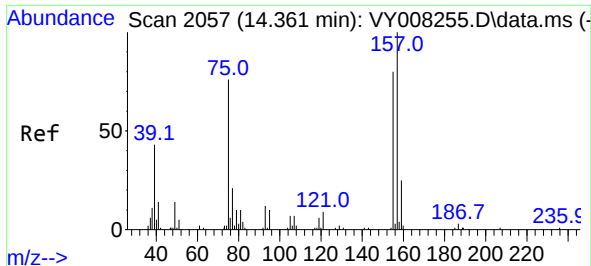
Delta R.T. 0.013 min

Lab File: VY008274.D

Acq: 11 Apr 2022 15:43

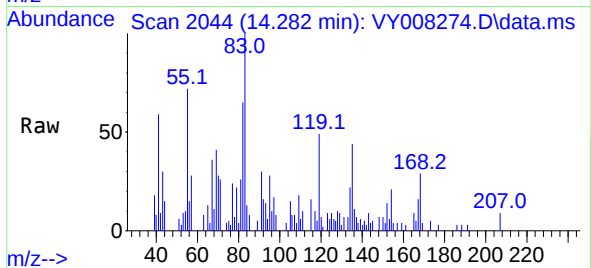
Tgt Ion:	117	Resp:	1325
Ion	Ratio	Lower	Upper
117	100		
201	0.0	43.0	128.8#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.366 ug/l
 RT: 14.282 min Scan# 20
 Delta R.T. -0.079 min
 Lab File: VY008274.D
 Acq: 11 Apr 2022 15:43

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 150

Ion	Ratio	Lower	Upper
75	100		
155	64.0	38.0	113.9
157	133.3	47.8	143.3

