

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042622\
 Data File : VY008509.D
 Acq On : 26 Apr 2022 17:14
 Operator : KP/MD
 Sample : N2555-01RE
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-03-042522

Quant Time: Apr 27 01:23:54 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042122S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 21 14:28:40 2022
 Response via : Initial Calibration

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

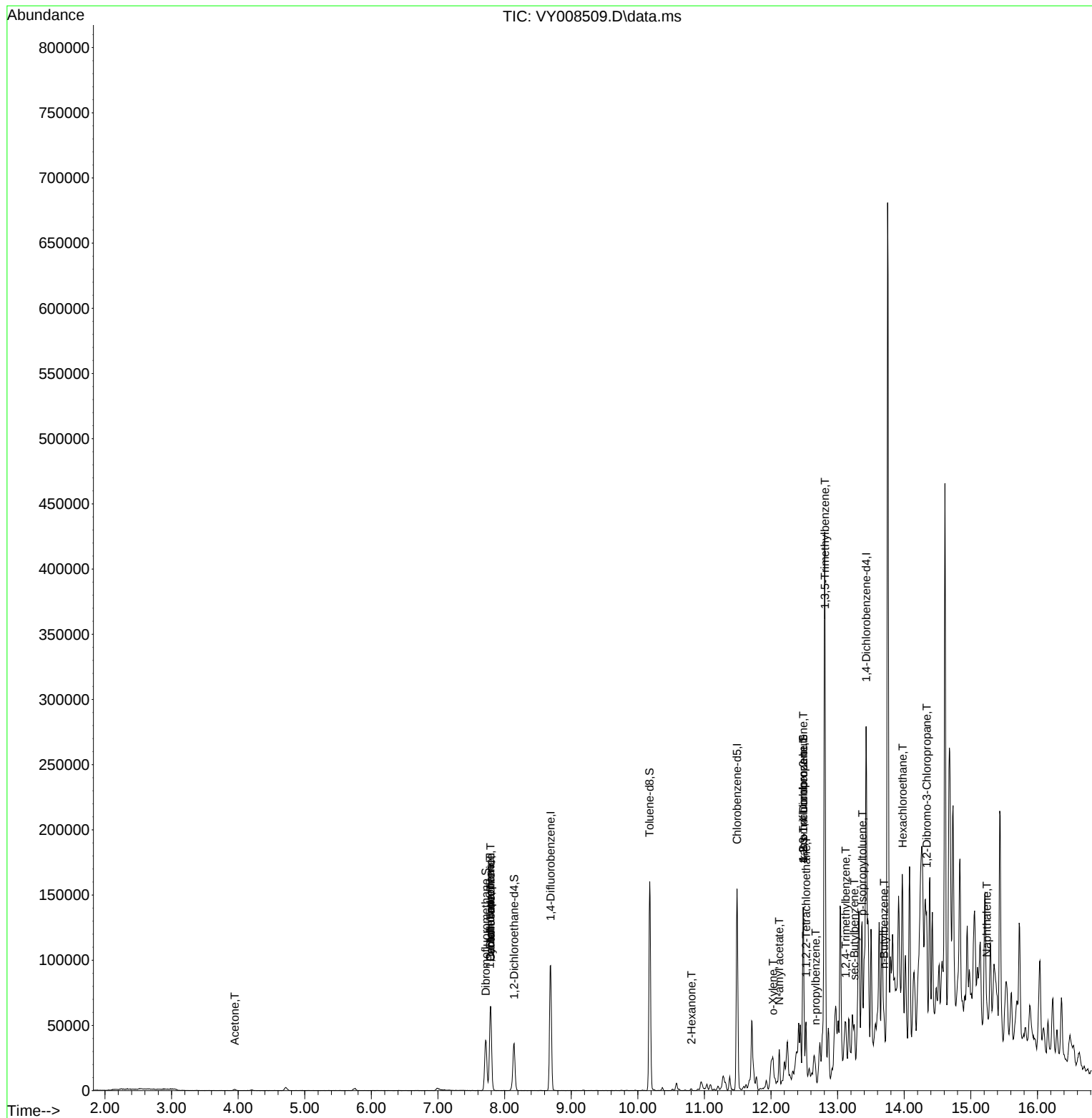
Internal Standards						
1) Pentafluorobenzene	7.789	168	49926	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	87388	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	84946	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	41036	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	26824	45.662	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	91.320%
35) Dibromofluoromethane	7.716	113	27067	47.992	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.980%
50) Toluene-d8	10.179	98	107037	47.726	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	95.460%
62) 4-Bromofluorobenzene	12.483	95	36139	47.587	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	95.180%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.930	59	20	Below Cal	#	77
16) Acetone	3.948	43	1557	11.379	ug/l	97
20) Methylene Chloride	4.710	84	1775	Below Cal	#	84
31) Cyclohexane	7.789	56	1100	1.139	ug/l	# 1
36) 1,1-Dichloropropene	7.783	75	4126	4.599	ug/l	# 50
38) Carbon Tetrachloride	7.789	117	5129	5.503	ug/l	# 16
59) 2-Hexanone	10.807	43	507	1.535	ug/l	# 28
69) o-Xylene	12.032	106	4382	3.409	ug/l	89
74) N-amyl acetate	12.123	43	5312	6.910	ug/l	# 75
75) 1,1,2,2-Tetrachloroethane	12.526	83	1006	1.447	ug/l	# 50
76) 1,2,3-Trichloropropane	12.483	75	19928	37.524	ug/l	# 100
78) n-propylbenzene	12.672	91	6967	1.867	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	30094	11.653	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.483	75	19928	87.051	ug/l	# 8
84) 1,2,4-Trimethylbenzene	13.123	105	14213	5.547	ug/l	99
85) sec-Butylbenzene	13.251	105	7803	2.306	ug/l	85
86) p-Isopropyltoluene	13.373	119	8819	3.112	ug/l	98
89) n-Butylbenzene	13.696	91	10740	4.176	ug/l	# 72
90) Hexachloroethane	13.977	117	3818	7.495	ug/l	# 6
92) 1,2-Dibromo-3-Chloropr...	14.336	75	364	3.484	ug/l	# 1
95) Naphthalene	15.239	128	3830	2.247	ug/l	# 77

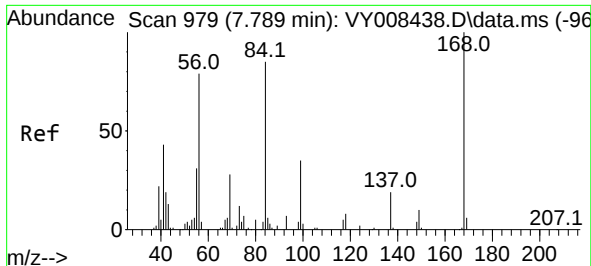
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Apr 21 14:28:40 2022
Response via : Initial Calibration

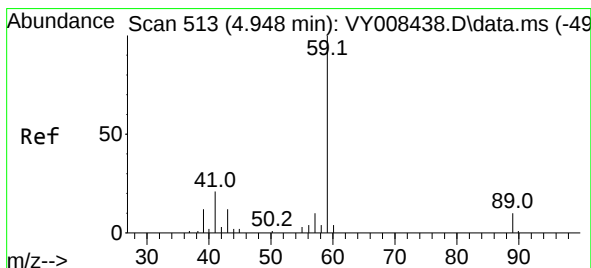
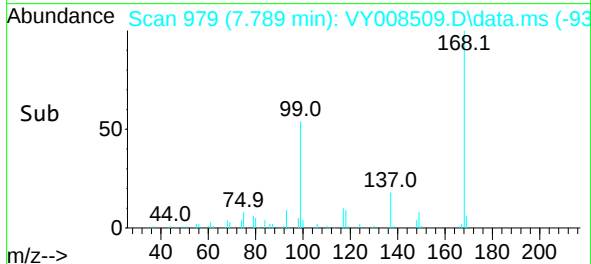
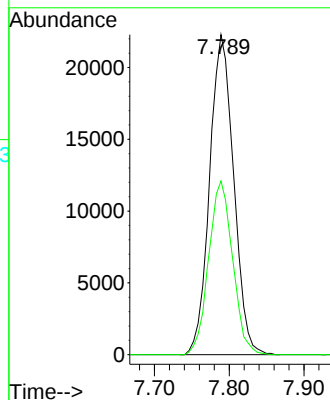
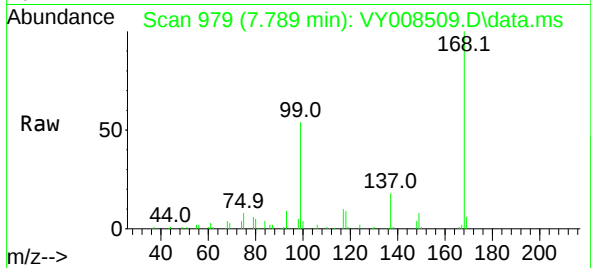




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008509.D
Acq: 26 Apr 2022 17:14

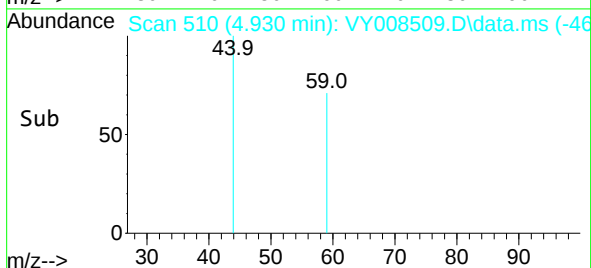
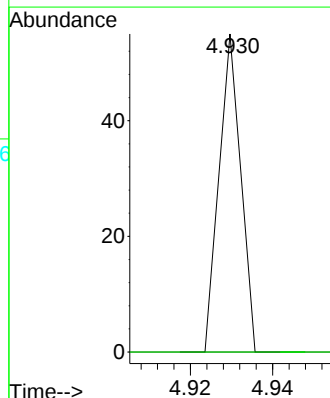
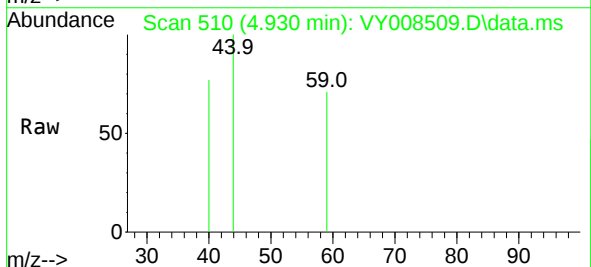
Instrument :
MSVOA_Y
ClientSampleId :
OR-03-042522

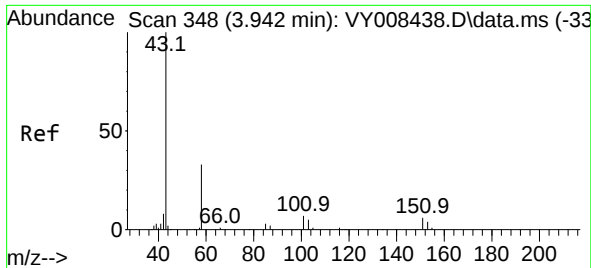
Tgt Ion:168 Resp: 49926
Ion Ratio Lower Upper
168 100
99 54.3 46.9 70.3



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.930 min Scan# 510
Delta R.T. -0.018 min
Lab File: VY008509.D
Acq: 26 Apr 2022 17:14

Tgt Ion: 59 Resp: 20
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#





#16

Acetone

Concen: 11.379 ug/l

RT: 3.948 min Scan# 34

Delta R.T. 0.006 min

Lab File: VY008509.D

Acq: 26 Apr 2022 17:14

Instrument :

MSVOA_Y

ClientSampleId :

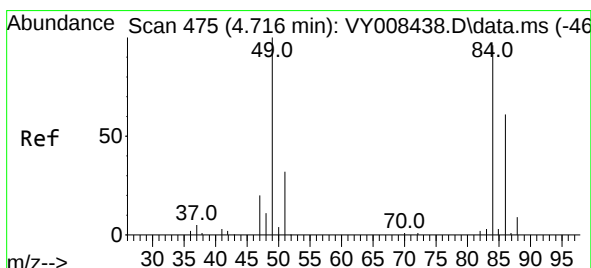
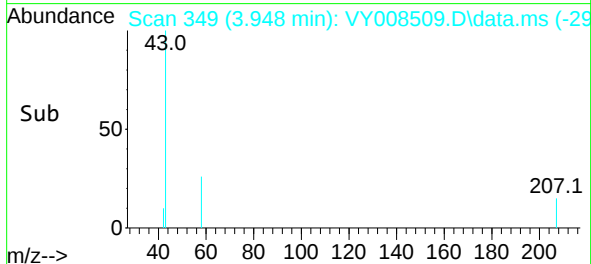
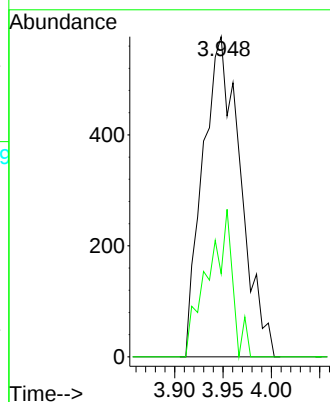
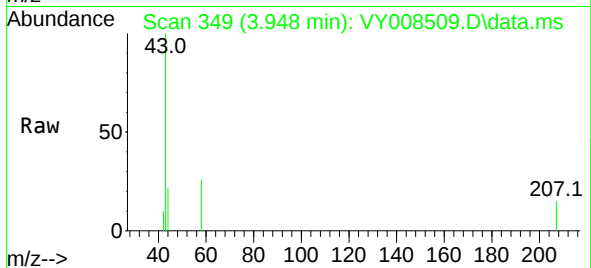
OR-03-042522

Tgt Ion: 43 Resp: 1557

Ion Ratio Lower Upper

43 100

58 26.0 22.0 33.0



#20

Methylene Chloride

Concen: Below Cal

RT: 4.710 min Scan# 474

Delta R.T. -0.006 min

Lab File: VY008509.D

Acq: 26 Apr 2022 17:14

Tgt Ion: 84 Resp: 1775

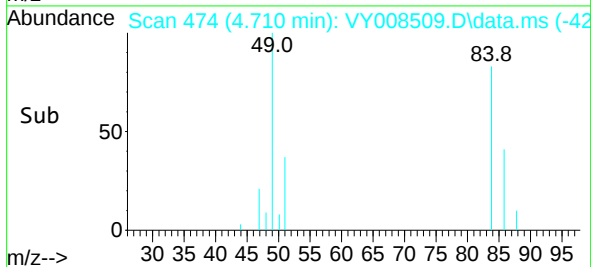
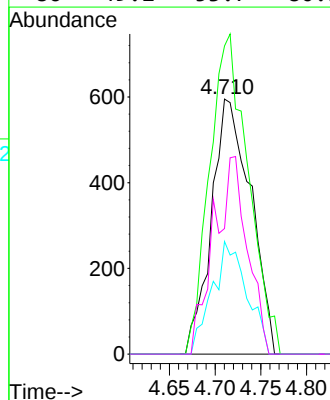
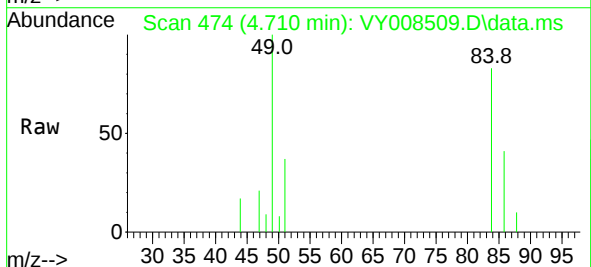
Ion Ratio Lower Upper

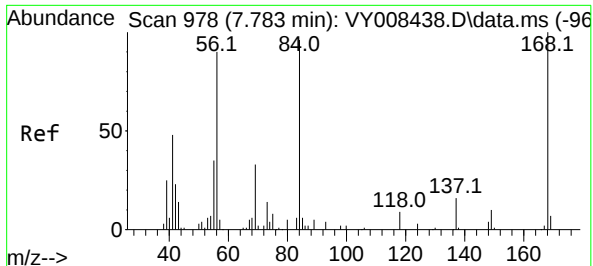
84 100

49 120.8 114.4 171.6

51 44.2 35.3 52.9

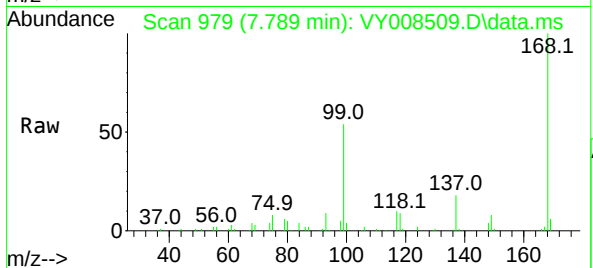
86 49.2 53.7 80.5#



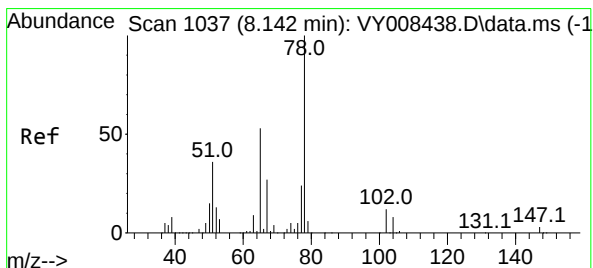
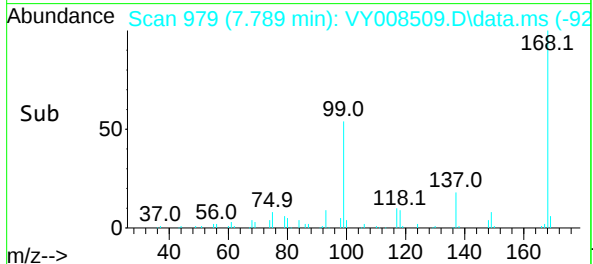
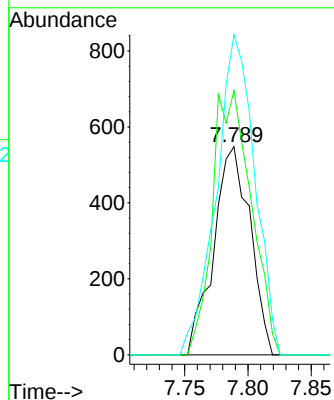


#31
Cyclohexane
Concen: 1.139 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY008509.D
Acq: 26 Apr 2022 17:14

Instrument :
MSVOA_Y
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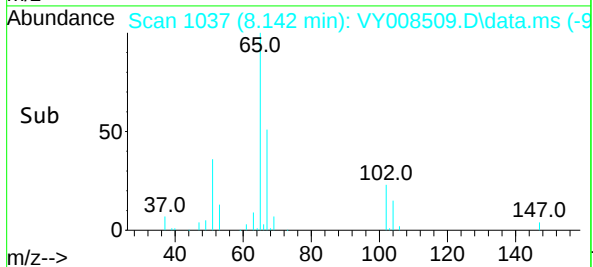
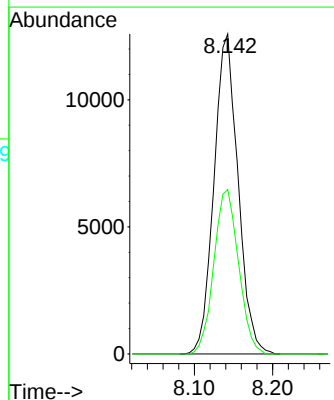
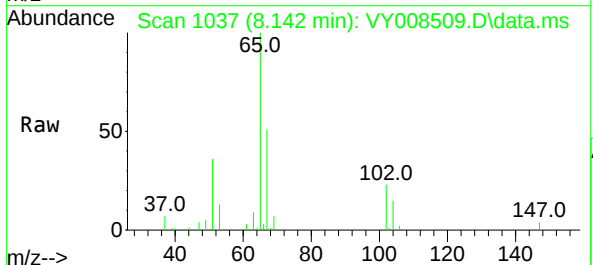


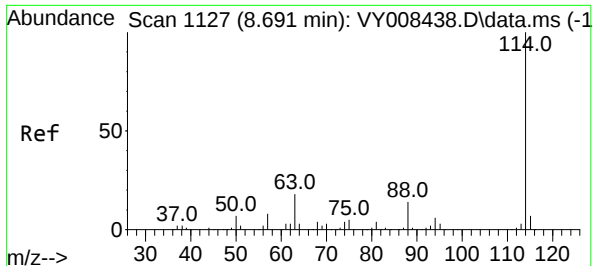
Tgt Ion: 56 Resp: 1100
Ion Ratio Lower Upper
56 100
69 127.0 26.7 40.1#
84 153.8 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 45.662 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VY008509.D
Acq: 26 Apr 2022 17:14

Tgt Ion: 65 Resp: 26824
Ion Ratio Lower Upper
65 100
67 52.8 0.0 99.4

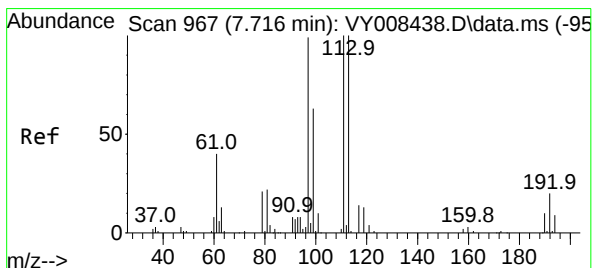
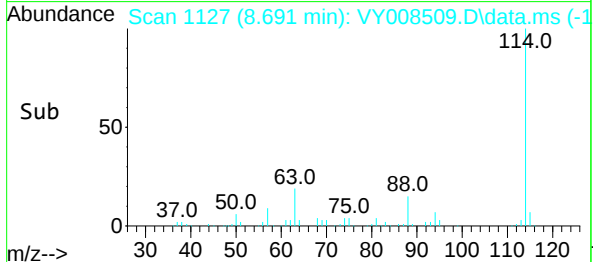
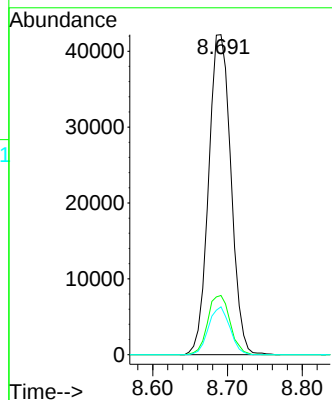
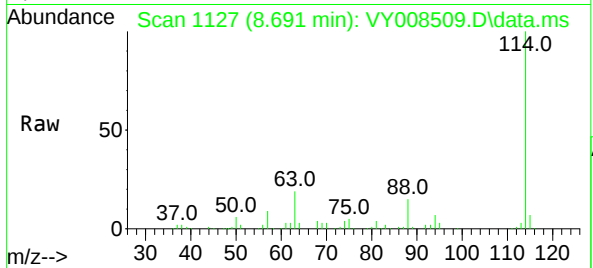




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY008509.D
Acq: 26 Apr 2022 17:14

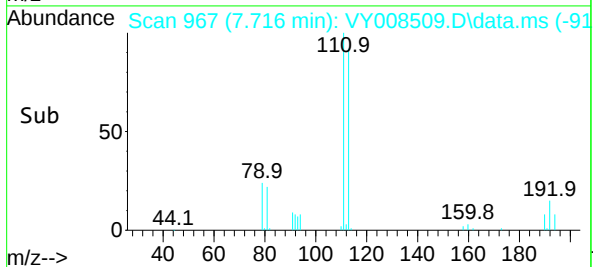
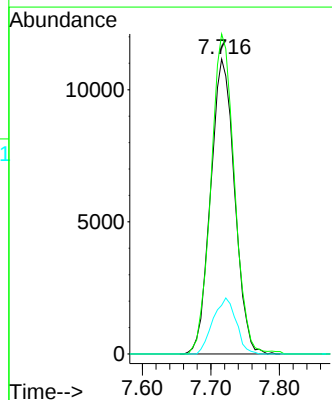
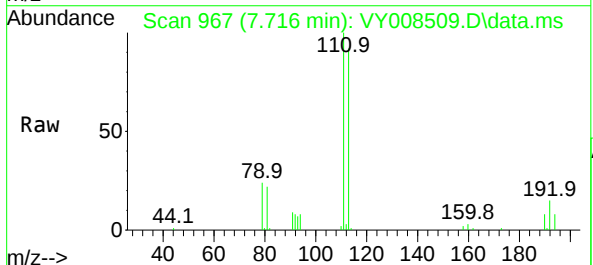
Instrument :
MSVOA_Y
ClientSampleId :
OR-03-042522

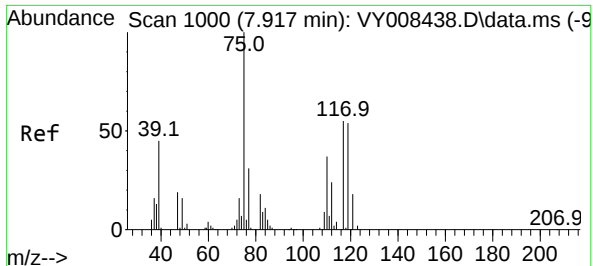
Tgt Ion:114 Resp: 87388
Ion Ratio Lower Upper
114 100
63 18.5 0.0 43.2
88 15.0 0.0 31.8



#35
Dibromofluoromethane
Concen: 47.992 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY008509.D
Acq: 26 Apr 2022 17:14

Tgt Ion:113 Resp: 27067
Ion Ratio Lower Upper
113 100
111 106.4 82.6 124.0
192 18.4 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.599 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY008509.D

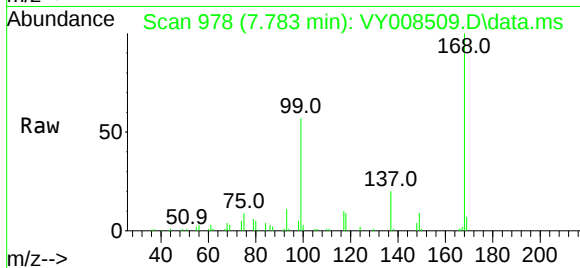
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Instrument :

MSVOA_Y

ClientSampleId :

OR-03-042522



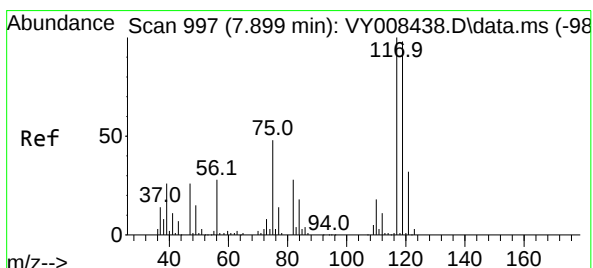
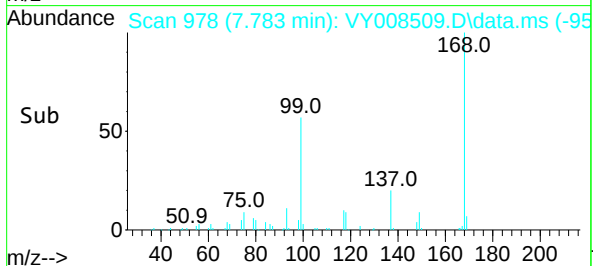
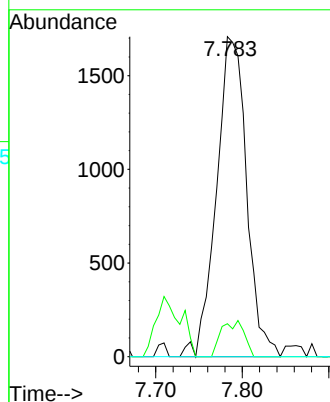
Tgt Ion: 75 Resp: 4126

Ion Ratio Lower Upper

75 100

110 8.6 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.503 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY008509.D

Acq: 26 Apr 2022 17:14

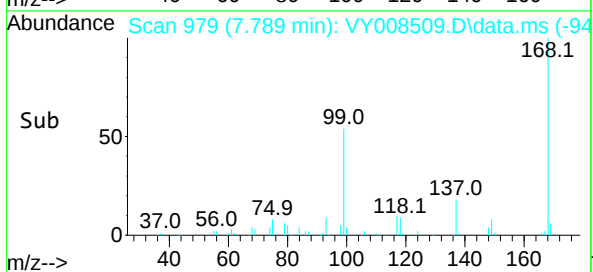
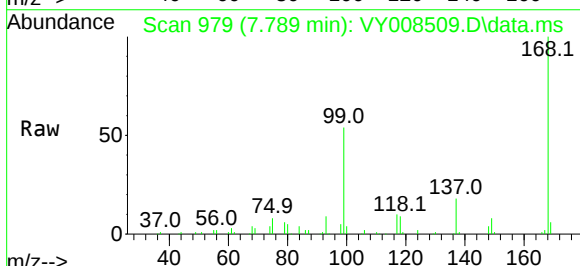
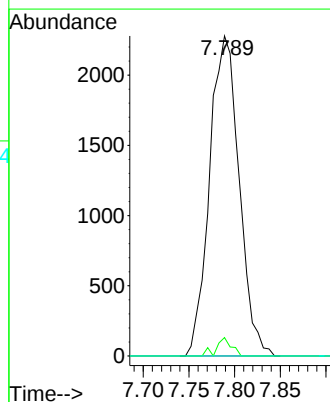
Tgt Ion: 117 Resp: 5129

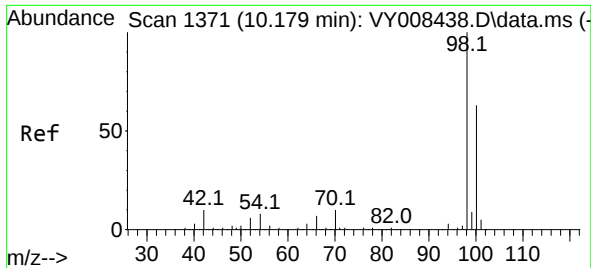
Ion Ratio Lower Upper

117 100

119 5.7 77.9 116.9#

121 0.0 24.8 37.2#

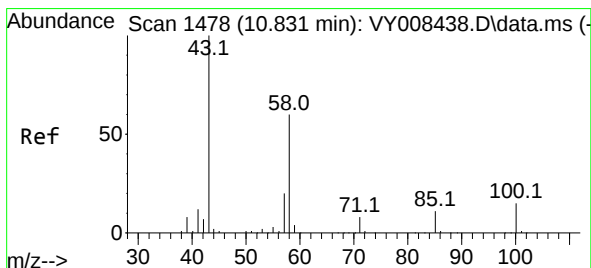
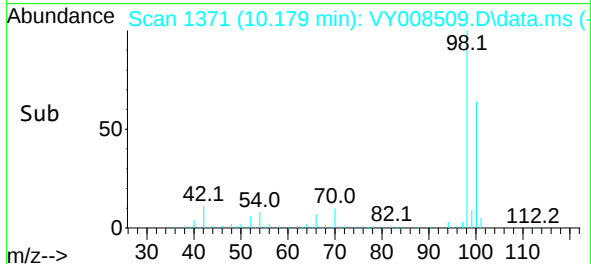
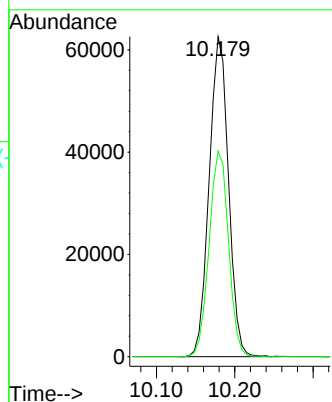
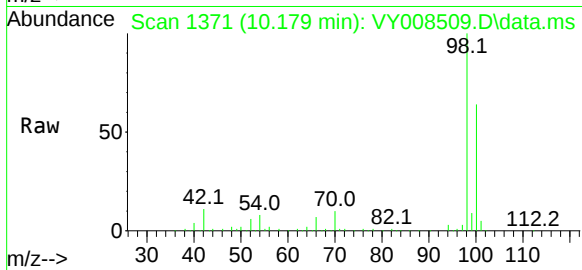




#50
Toluene-d8
Concen: 47.726 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY008509.D
Acq: 26 Apr 2022 17:14

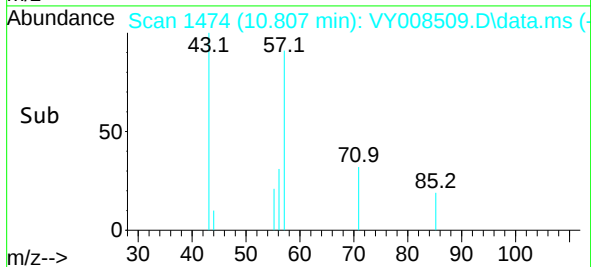
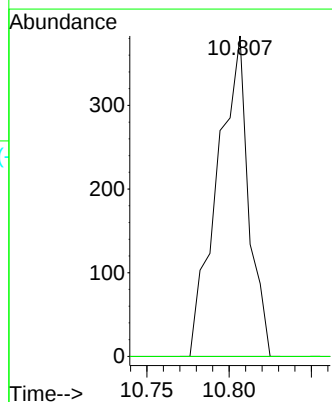
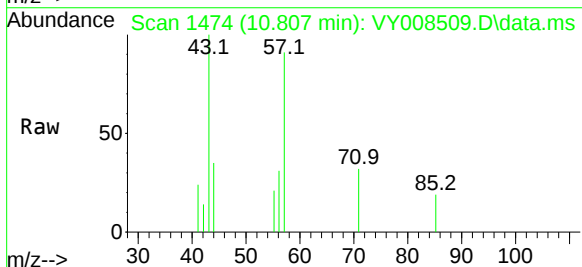
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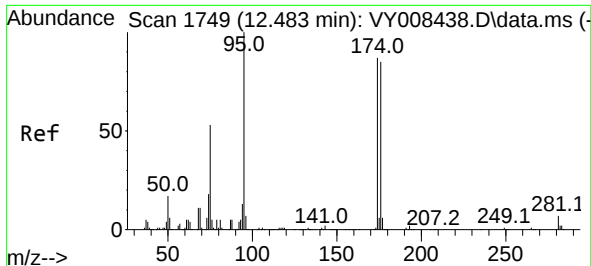
Tgt Ion: 98 Resp: 107037
Ion Ratio Lower Upper
98 100
100 64.5 50.2 75.2



#59
2-Hexanone
Concen: 1.535 ug/l
RT: 10.807 min Scan# 1474
Delta R.T. -0.024 min
Lab File: VY008509.D
Acq: 26 Apr 2022 17:14

Tgt Ion: 43 Resp: 507
Ion Ratio Lower Upper
43 100
58 0.0 24.4 73.4#

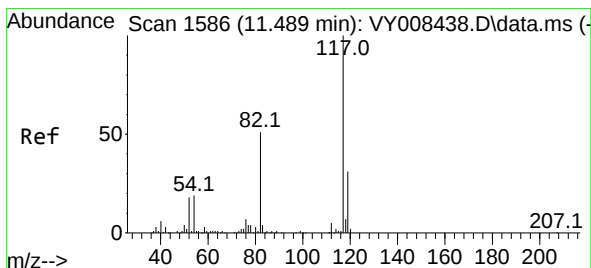
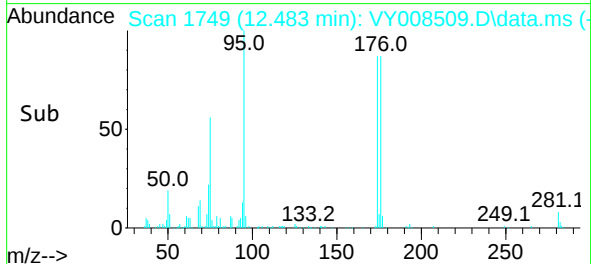
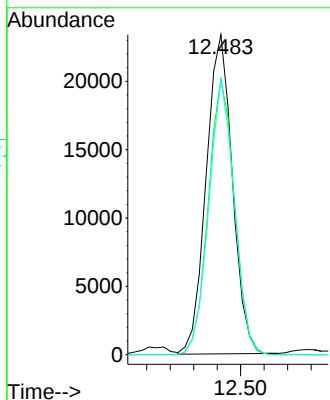
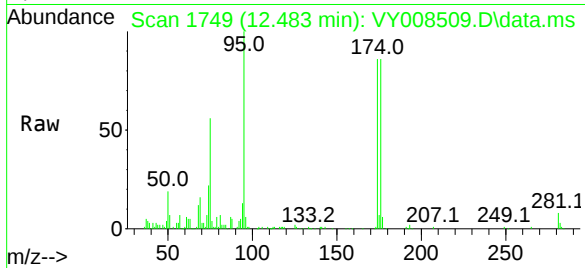




#62
4-Bromofluorobenzene
Concen: 47.587 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY008509.D
Acq: 26 Apr 2022 17:14

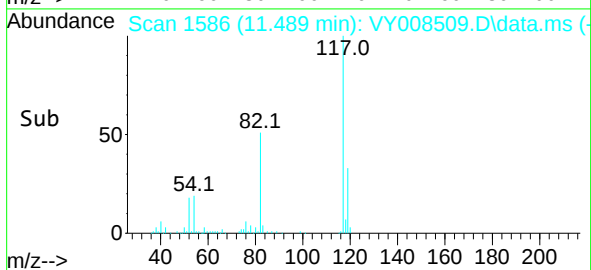
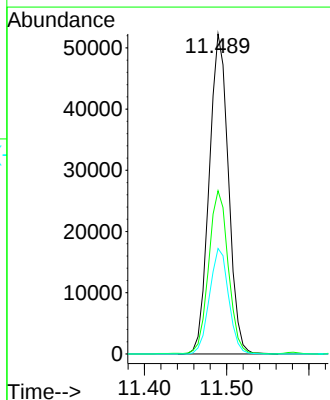
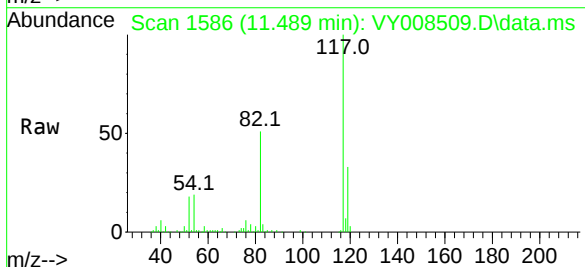
Instrument :
MSVOA_Y
ClientSampleId :
OR-03-042522

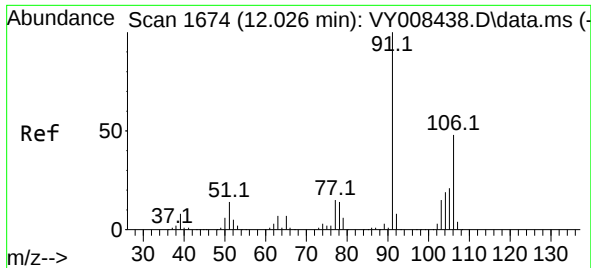
Tgt Ion: 95 Resp: 36139
Ion Ratio Lower Upper
95 100
174 86.6 0.0 177.0
176 83.8 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY008509.D
Acq: 26 Apr 2022 17:14

Tgt Ion: 117 Resp: 84946
Ion Ratio Lower Upper
117 100
82 50.9 43.0 64.4
119 32.9 25.4 38.0

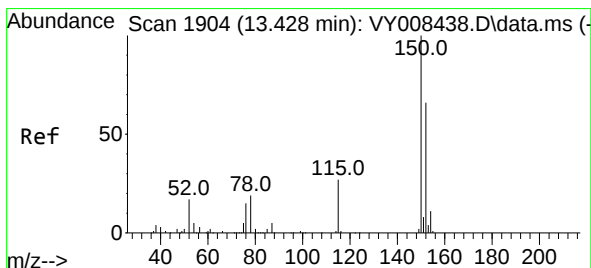
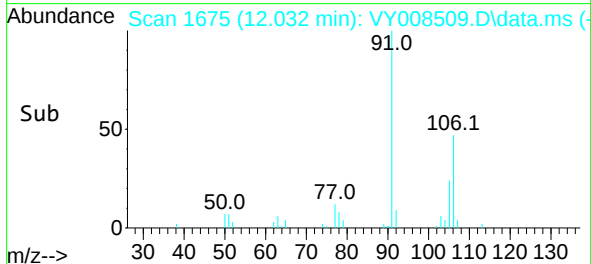
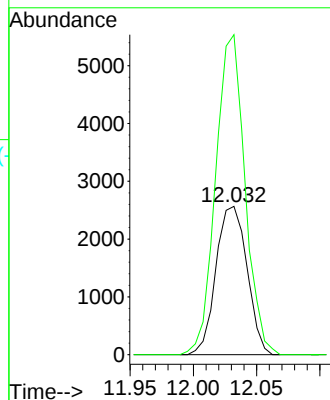
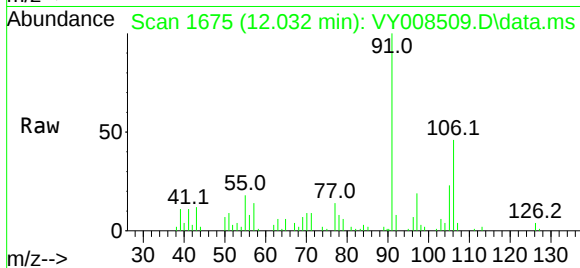




#69
o-Xylene
Concen: 3.409 ug/l
RT: 12.032 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY008509.D
Acq: 26 Apr 2022 17:14

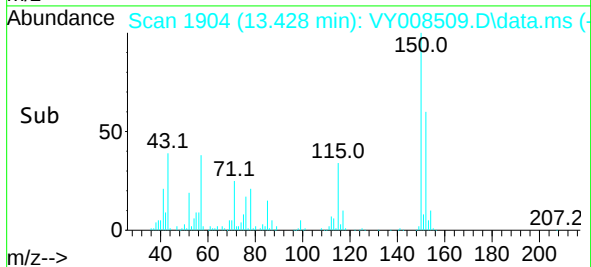
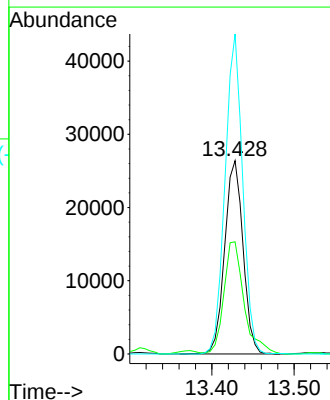
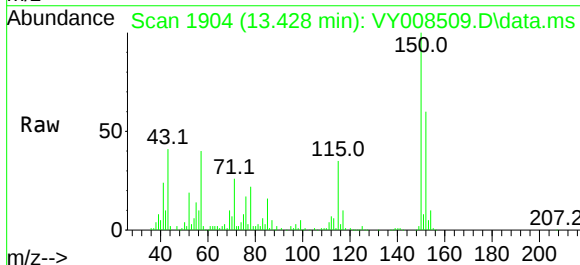
Instrument :
MSVOA_Y
ClientSampleId :
OR-03-042522

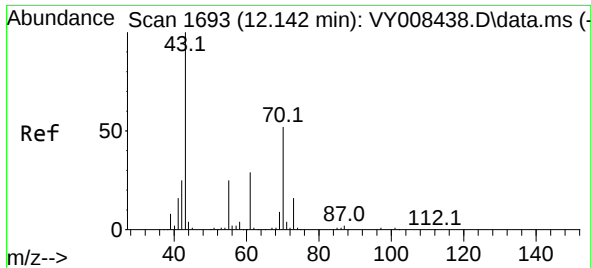
Tgt Ion:106 Resp: 4382
Ion Ratio Lower Upper
106 100
91 203.6 110.3 331.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY008509.D
Acq: 26 Apr 2022 17:14

Tgt Ion:152 Resp: 41036
Ion Ratio Lower Upper
152 100
115 63.7 28.2 84.7
150 158.7 0.0 347.6

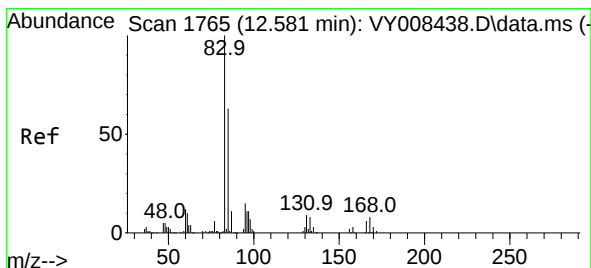
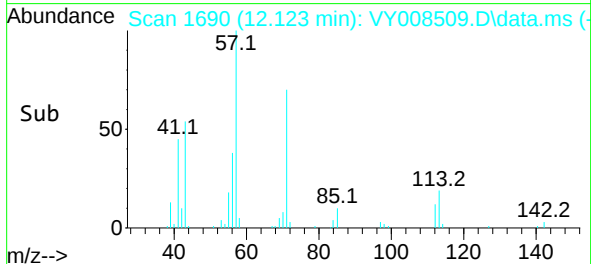
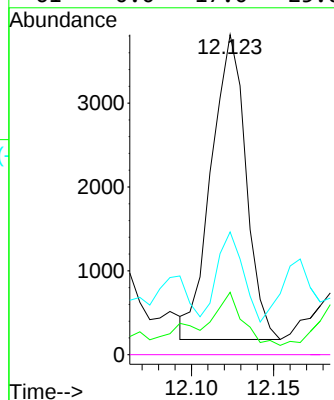
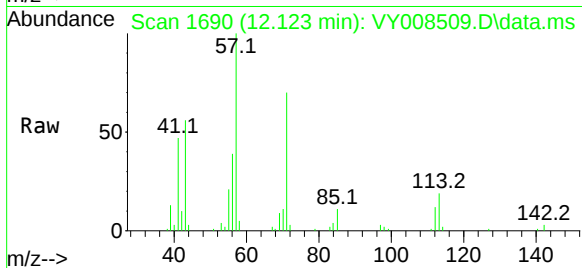




#74
N-amy1 acetate
Concen: 6.910 ug/l
RT: 12.123 min Scan# 1690
Delta R.T. -0.019 min
Lab File: VY008509.D
Acq: 26 Apr 2022 17:14

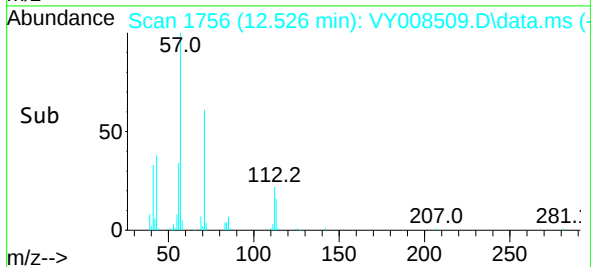
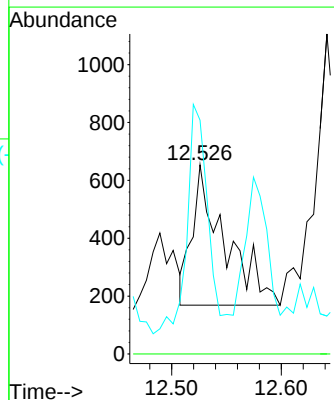
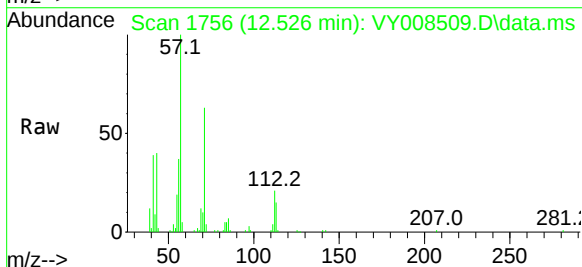
Instrument :
MSVOA_Y
ClientSampleId :
OR-03-042522

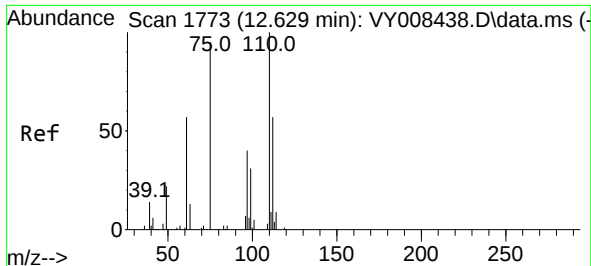
Tgt Ion:	43	Resp:	5312
Ion	Ratio	Lower	Upper
43	100		
70	20.0	28.7	43.1#
55	21.9	17.3	25.9
61	0.0	17.0	25.6#



#75
1,1,2,2-Tetrachloroethane
Concen: 1.447 ug/l
RT: 12.526 min Scan# 1756
Delta R.T. -0.055 min
Lab File: VY008509.D
Acq: 26 Apr 2022 17:14

Tgt Ion:	83	Resp:	1006
Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.6	16.8#
85	106.6	32.3	96.8#

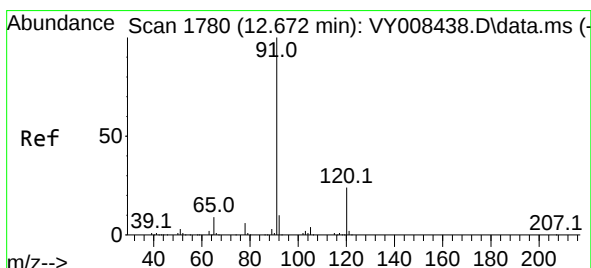
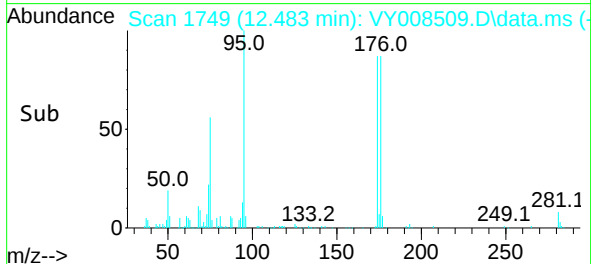
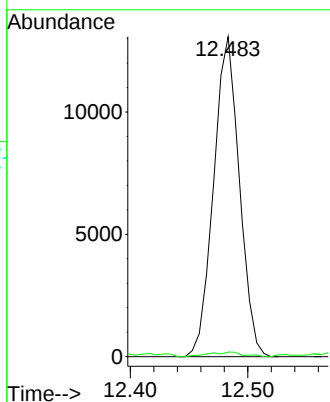
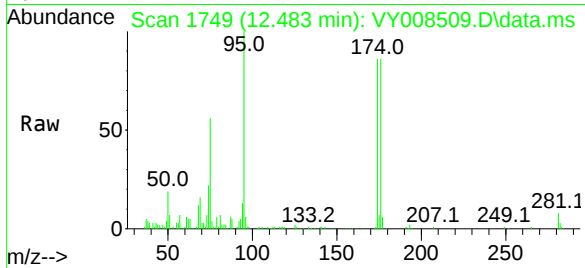




#76
1,2,3-Trichloropropane
Concen: 37.524 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.146 min
Lab File: VY008509.D
Acq: 26 Apr 2022 17:14

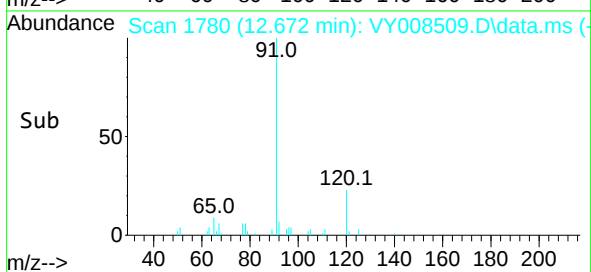
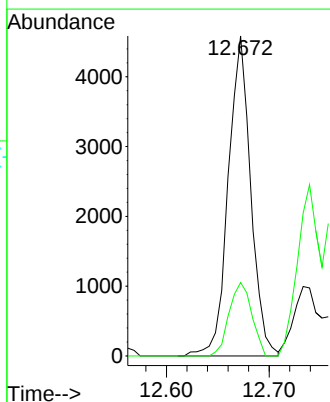
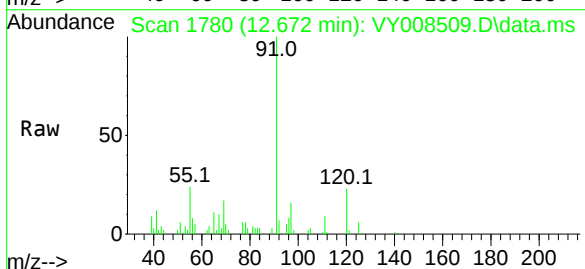
Instrument :
MSVOA_Y
ClientSampleId :
OR-03-042522

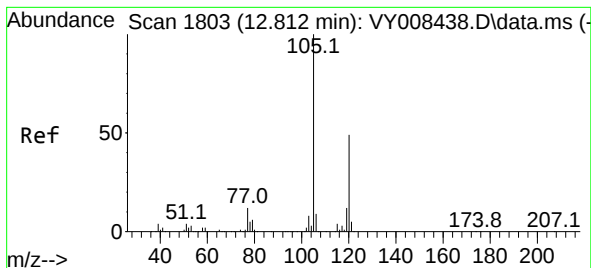
Tgt Ion: 75 Resp: 19928
Ion Ratio Lower Upper
75 100
77 1.9 0.0 0.0#



#78
n-propylbenzene
Concen: 1.867 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. 0.000 min
Lab File: VY008509.D
Acq: 26 Apr 2022 17:14

Tgt Ion: 91 Resp: 6967
Ion Ratio Lower Upper
91 100
120 23.1 11.3 33.9





#80

1,3,5-Trimethylbenzene

Concen: 11.653 ug/l

RT: 12.812 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VY008509.D

Acq: 26 Apr 2022 17:14

Instrument :

MSVOA_Y

ClientSampleId :

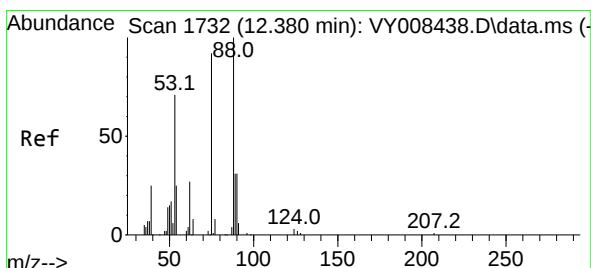
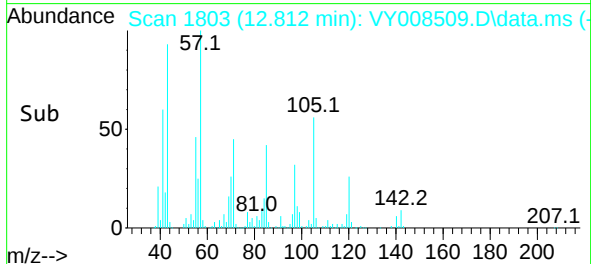
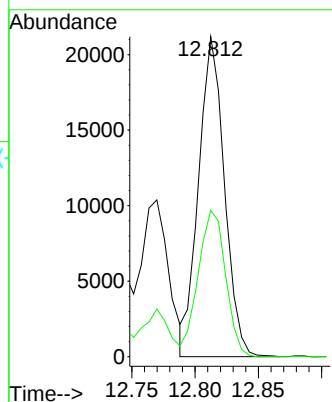
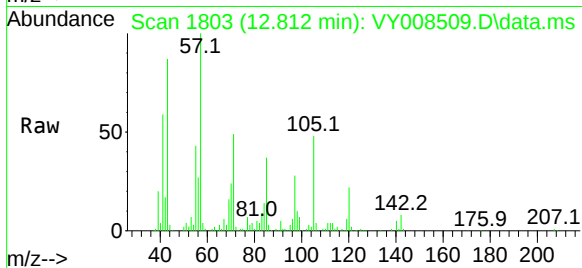
OR-03-042522

Tgt Ion:105 Resp: 30094

Ion Ratio Lower Upper

105 100

120 48.5 24.4 73.4



#81

trans-1,4-Dichloro-2-butene

Concen: 87.051 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.103 min

Lab File: VY008509.D

Acq: 26 Apr 2022 17:14

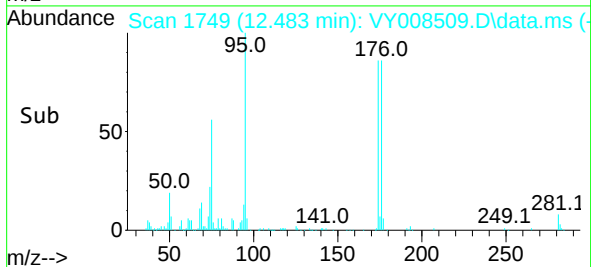
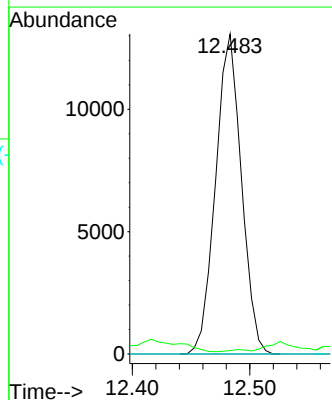
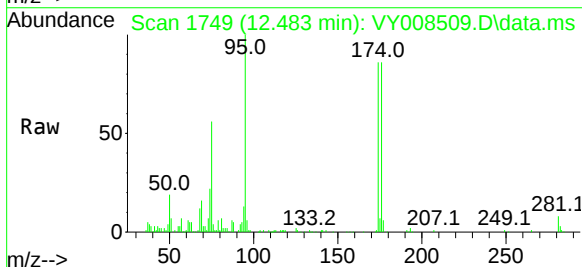
Tgt Ion: 75 Resp: 19928

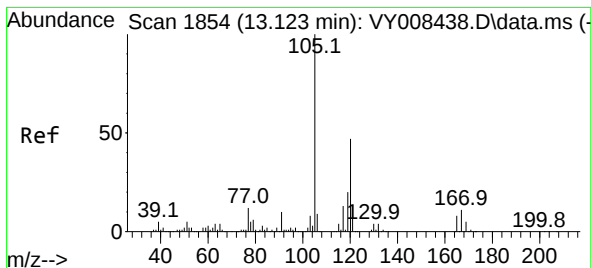
Ion Ratio Lower Upper

75 100

53 0.5 85.3 127.9#

89 0.0 37.0 55.4#





#84

1,2,4-Trimethylbenzene

Concen: 5.547 ug/l

RT: 13.123 min Scan# 1854

Delta R.T. 0.000 min

Lab File: VY008509.D

Acq: 26 Apr 2022 17:14

Instrument :

MSVOA_Y

ClientSampleId :

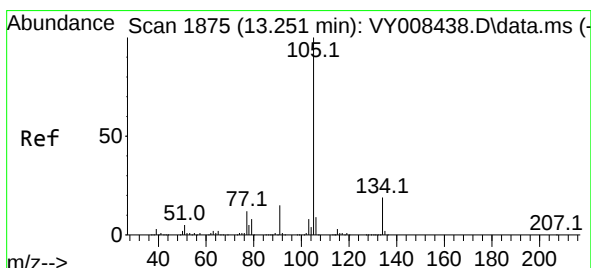
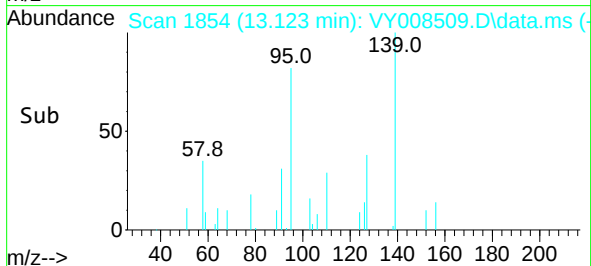
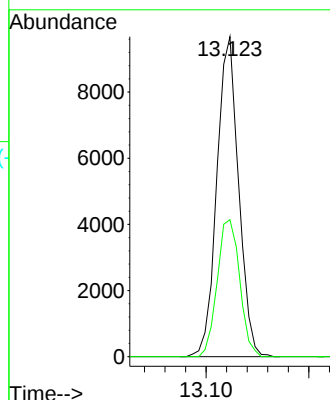
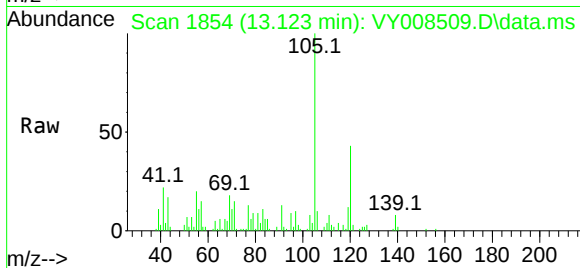
OR-03-042522

Tgt Ion:105 Resp: 14213

Ion Ratio Lower Upper

105 100

120 44.1 22.3 66.9



#85

sec-Butylbenzene

Concen: 2.306 ug/l

RT: 13.251 min Scan# 1875

Delta R.T. 0.000 min

Lab File: VY008509.D

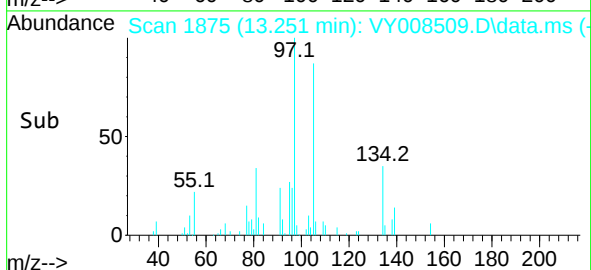
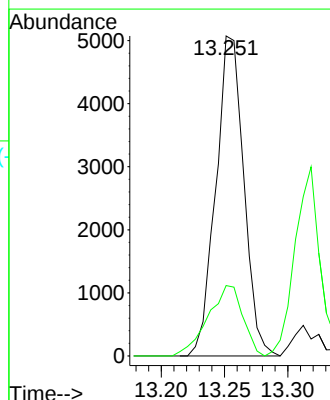
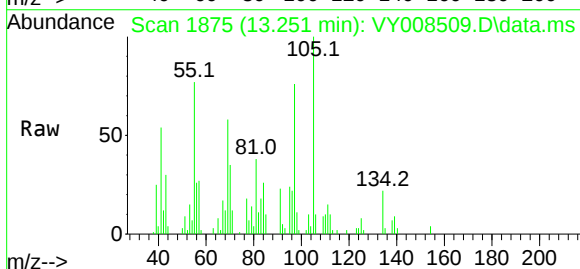
Acq: 26 Apr 2022 17:14

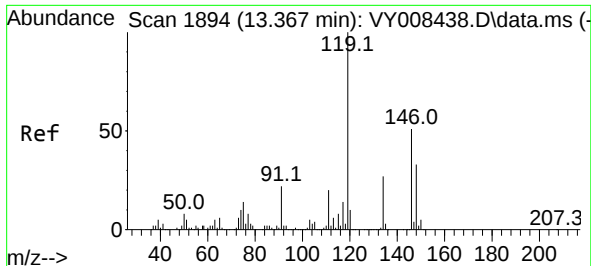
Tgt Ion:105 Resp: 7803

Ion Ratio Lower Upper

105 100

134 27.4 10.2 30.4

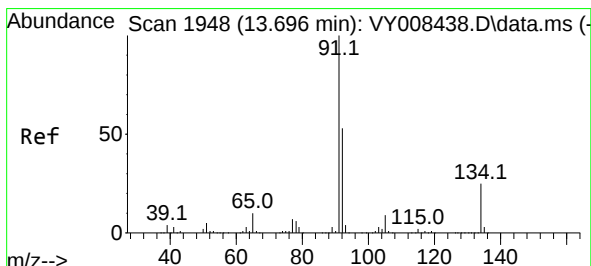
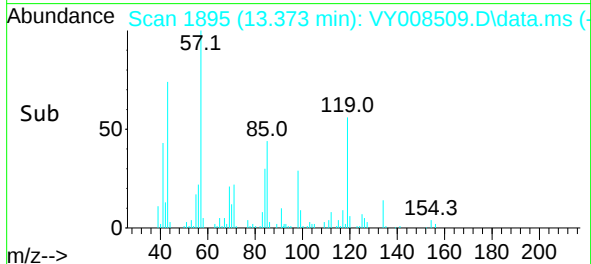
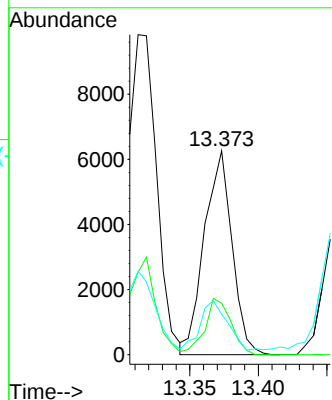
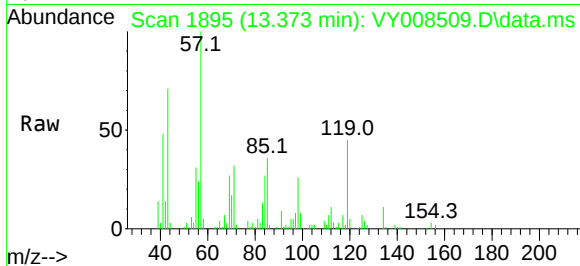




#86
p-Isopropyltoluene
Concen: 3.112 ug/l
RT: 13.373 min Scan# 1895
Delta R.T. 0.006 min
Lab File: VY008509.D
Acq: 26 Apr 2022 17:14

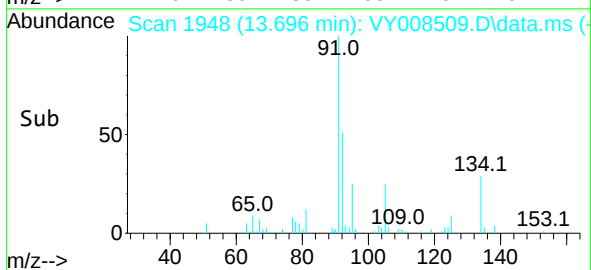
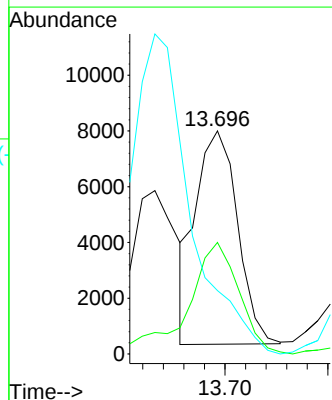
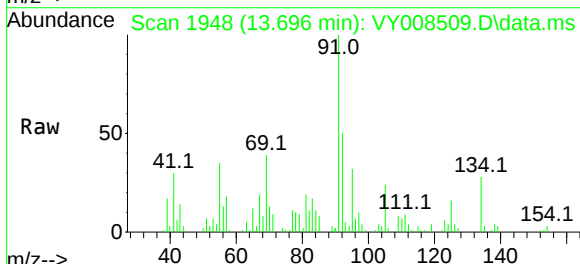
Instrument :
MSVOA_Y
ClientSampleId :
OR-03-042522

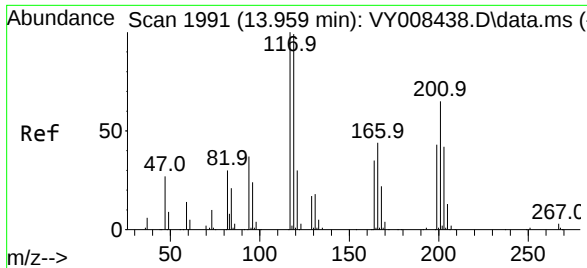
Tgt Ion:119 Resp: 8819
Ion Ratio Lower Upper
119 100
134 26.1 13.2 39.5
91 23.3 12.4 37.2



#89
n-Butylbenzene
Concen: 4.176 ug/l
RT: 13.696 min Scan# 1948
Delta R.T. 0.000 min
Lab File: VY008509.D
Acq: 26 Apr 2022 17:14

Tgt Ion: 91 Resp: 10740
Ion Ratio Lower Upper
91 100
92 64.5 26.3 78.9
134 0.0 13.0 38.9#

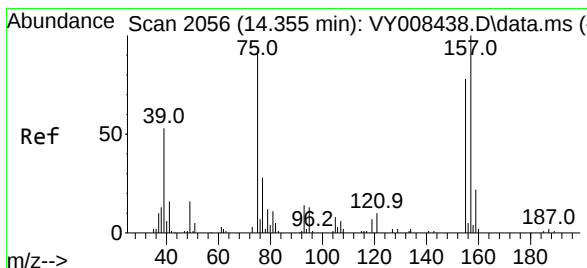
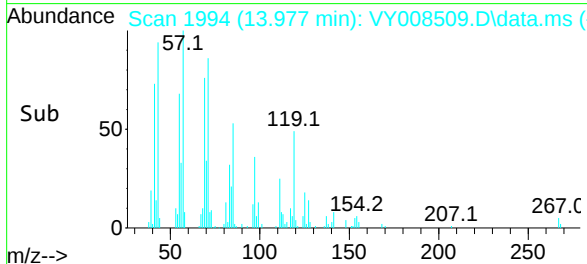
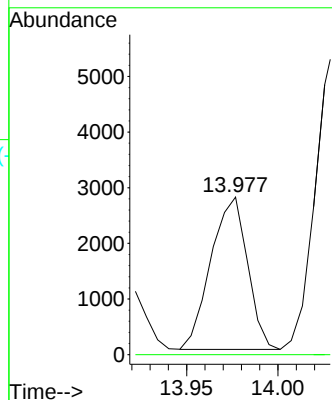
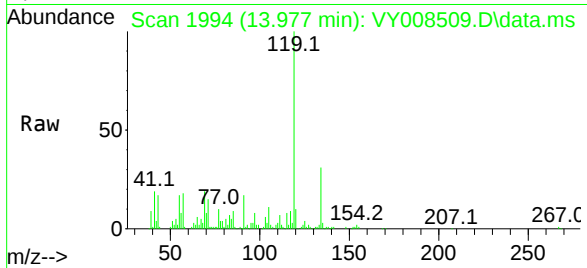




#90
Hexachloroethane
Concen: 7.495 ug/l
RT: 13.977 min Scan# 1994
Delta R.T. 0.018 min
Lab File: VY008509.D
Acq: 26 Apr 2022 17:14

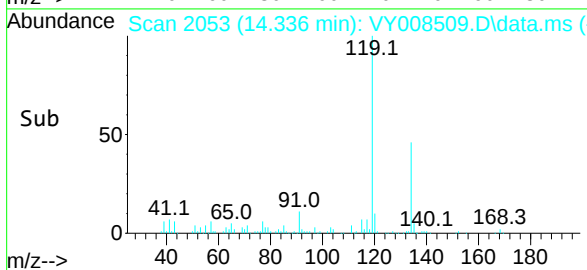
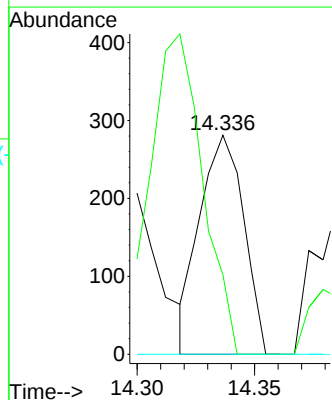
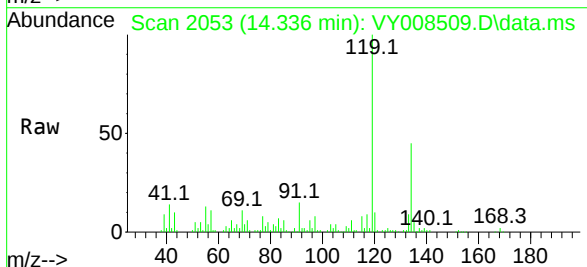
Instrument :
MSVOA_Y
ClientSampleId :
OR-03-042522

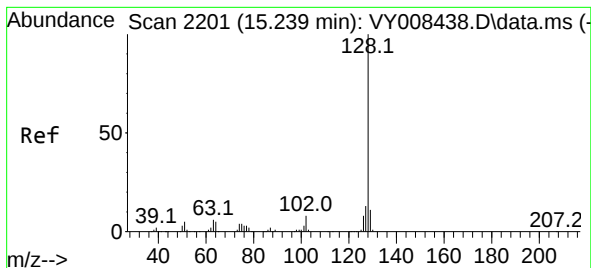
Tgt Ion:117 Resp: 3818
Ion Ratio Lower Upper
117 100
201 0.0 43.0 128.8#



#92
1,2-Dibromo-3-Chloropropane
Concen: 3.484 ug/l
RT: 14.336 min Scan# 2053
Delta R.T. -0.019 min
Lab File: VY008509.D
Acq: 26 Apr 2022 17:14

Tgt Ion: 75 Resp: 364
Ion Ratio Lower Upper
75 100
155 162.6 38.0 113.9#
157 0.0 47.8 143.3#





#95

Naphthalene

Concen: 2.247 ug/l

RT: 15.239 min Scan# 21

Delta R.T. -0.000 min

Lab File: VY008509.D

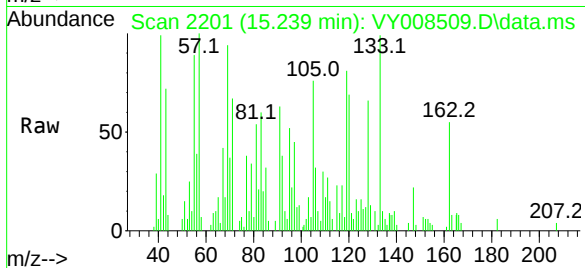
Acq: 26 Apr 2022 17:14

Instrument :

MSVOA_Y

ClientSampleId :

OR-03-042522



Tgt Ion:128 Resp: 3830

Ion Ratio Lower Upper

128 100

127 0.0 11.0 16.4#

129 7.5 8.4 12.6#

