

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042622\
 Data File : VY008505.D
 Acq On : 26 Apr 2022 15:40
 Operator : KP/MD
 Sample : N2555-01
 Misc : 5.10g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-03-042522

Quant Time: Apr 27 01:23:04 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)

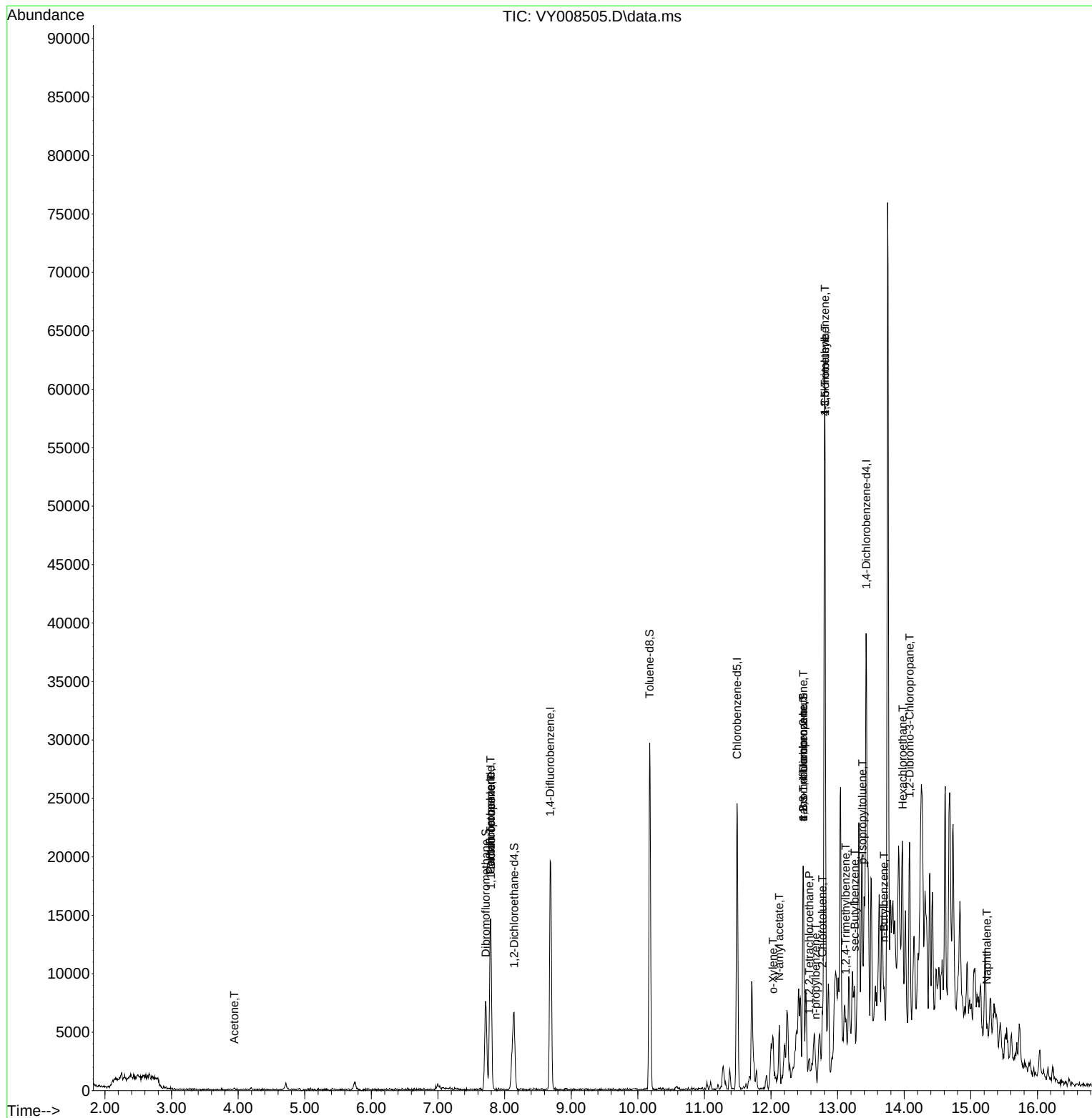
Internal Standards						
1) Pentafluorobenzene	7.789	168	11502	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	18317	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	14211	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	5366	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	4388	32.423	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	64.840%
35) Dibromofluoromethane	7.716	113	5312	44.935	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	89.880%
50) Toluene-d8	10.179	98	19561	41.889	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	83.780%
62) 4-Bromofluorobenzene	12.483	95	5128	32.215	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	64.420%
Target Compounds						
					Qvalue	
16) Acetone	3.942	43	124	3.934	ug/l #	47
20) Methylene Chloride	4.716	84	378	Below Cal	#	63
36) 1,1-Dichloropropene	7.795	75	906	4.818	ug/l #	42
38) Carbon Tetrachloride	7.789	117	1148	5.876	ug/l #	11
69) o-Xylene	12.032	106	848	3.943	ug/l	93
74) N-amyl acetate	12.123	43	1101	10.952	ug/l #	78
75) 1,1,2,2-Tetrachloroethane	12.575	83	113	1.243	ug/l #	26
76) 1,2,3-Trichloropropane	12.483	75	2853	41.083	ug/l #	100
78) n-propylbenzene	12.672	91	1166	2.389	ug/l	93
79) 2-Chlorotoluene	12.770	91	343	1.249	ug/l #	41
80) 1,3,5-Trimethylbenzene	12.812	105	4330	12.822	ug/l	89
81) trans-1,4-Dichloro-2-b...	12.483	75	2853	95.308	ug/l #	8
82) 4-Chlorotoluene	12.812	91	692	2.431	ug/l #	41
84) 1,2,4-Trimethylbenzene	13.123	105	1052	3.140	ug/l	98
85) sec-Butylbenzene	13.257	105	1268	2.866	ug/l	92
86) p-Isopropyltoluene	13.373	119	1260	3.401	ug/l	88
89) n-Butylbenzene	13.696	91	1419	4.220	ug/l #	77
90) Hexachloroethane	13.977	117	478	7.176	ug/l #	6
92) 1,2-Dibromo-3-Chloropr...	14.080	75	23	1.684	ug/l #	6
95) Naphthalene	15.239	128	298	1.337	ug/l #	69

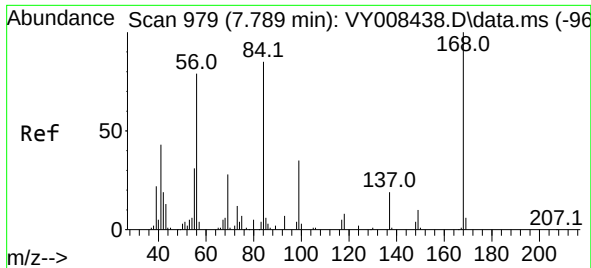
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

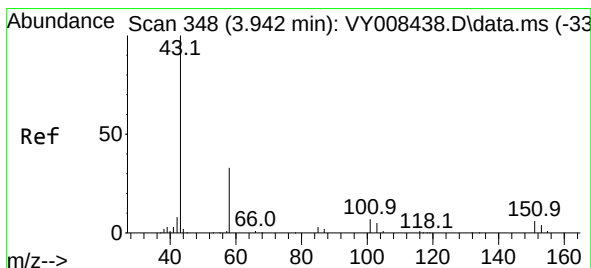
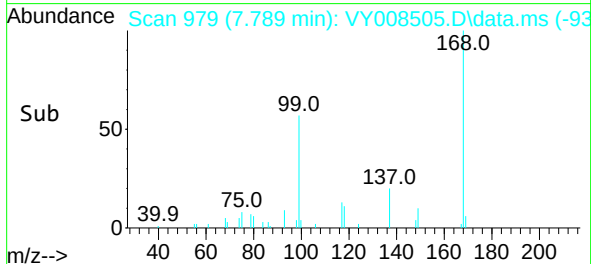
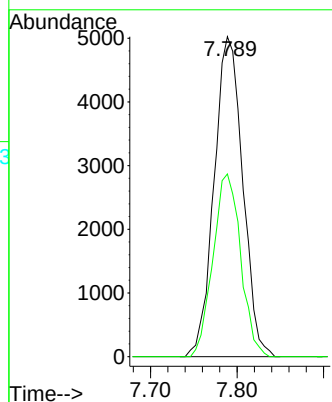
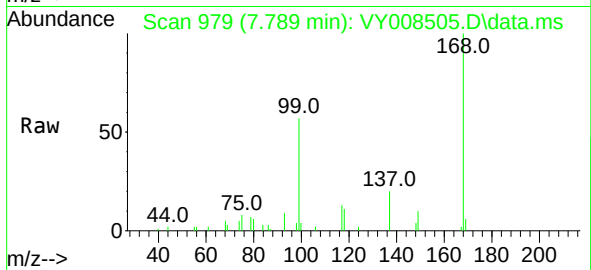




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008505.D
Acq: 26 Apr 2022 15:40

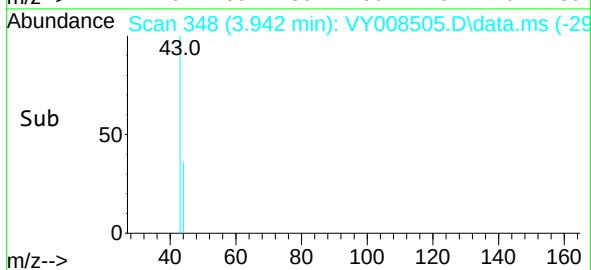
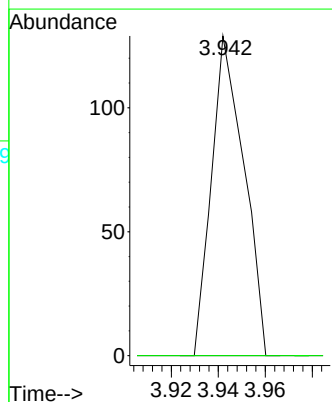
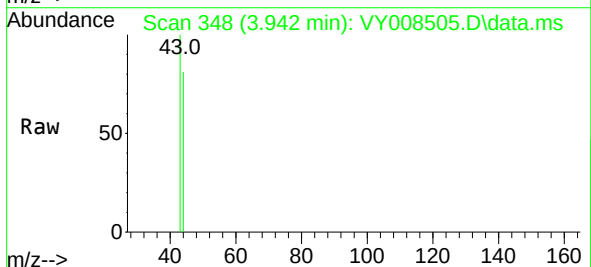
Instrument :
MSVOA_Y
ClientSampleId :
OR-03-042522

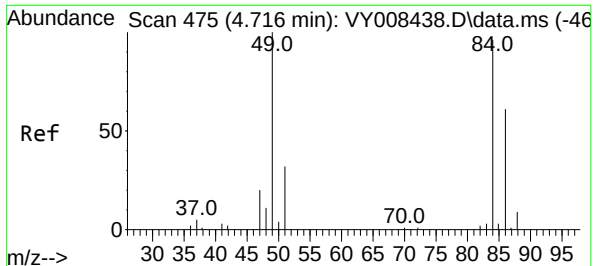
Tgt Ion:168 Resp: 11502
Ion Ratio Lower Upper
168 100
99 57.1 46.9 70.3



#16
Acetone
Concen: 3.934 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.000 min
Lab File: VY008505.D
Acq: 26 Apr 2022 15:40

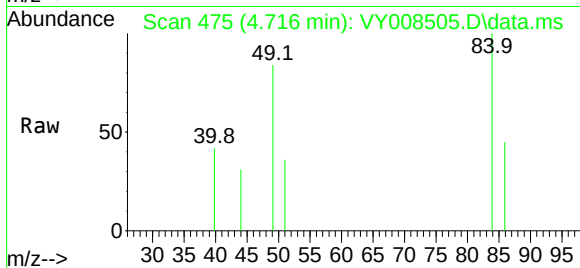
Tgt Ion: 43 Resp: 124
Ion Ratio Lower Upper
43 100
58 0.0 22.0 33.0#



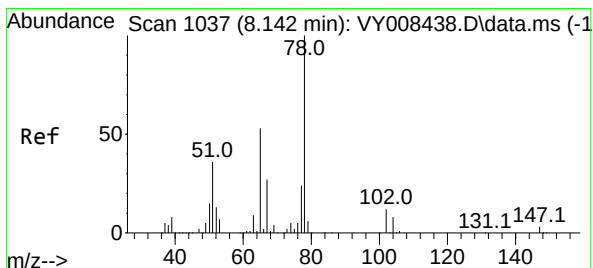
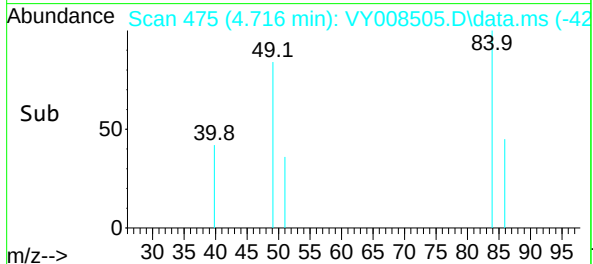
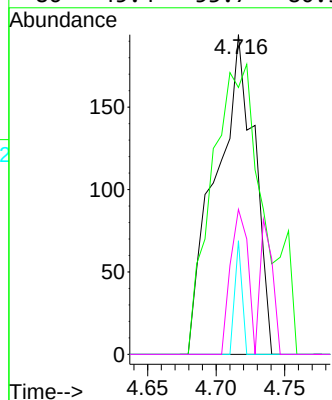


#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY008505.D
Acq: 26 Apr 2022 15:40

Instrument :
MSVOA_Y
ClientSampleId :
OR-03-042522

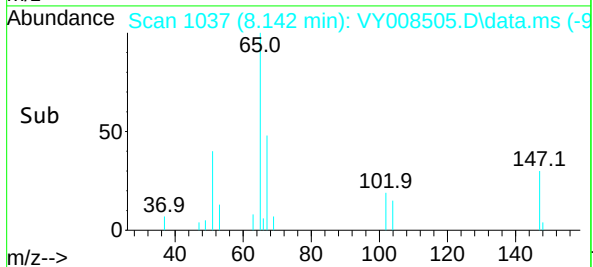
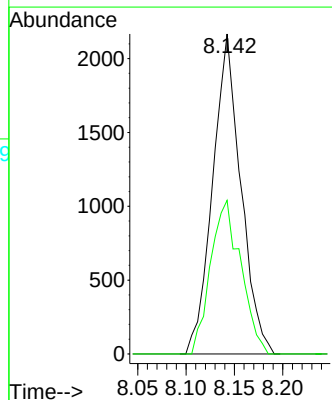
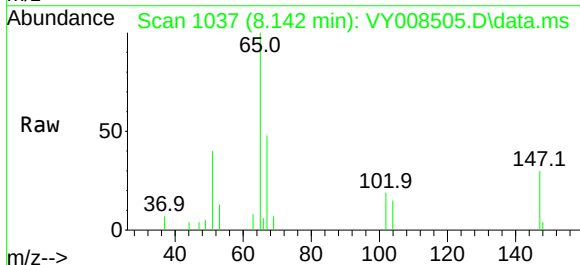


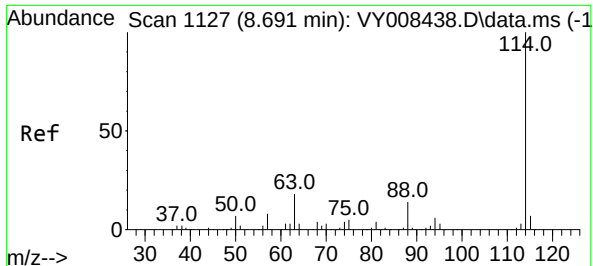
Tgt Ion: 84 Resp: 378
Ion Ratio Lower Upper
84 100
49 83.5 114.4 171.6#
51 35.6 35.3 52.9
86 45.4 53.7 80.5#



#33
1,2-Dichloroethane-d4
Concen: 32.423 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VY008505.D
Acq: 26 Apr 2022 15:40

Tgt Ion: 65 Resp: 4388
Ion Ratio Lower Upper
65 100
67 51.5 0.0 99.4

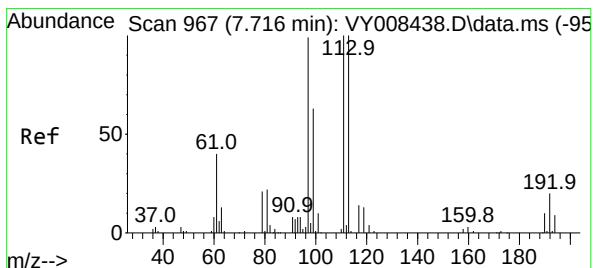
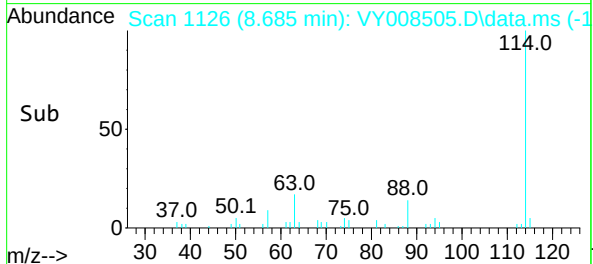
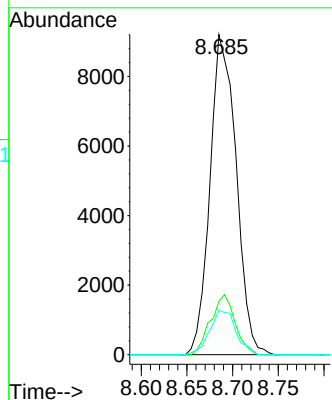
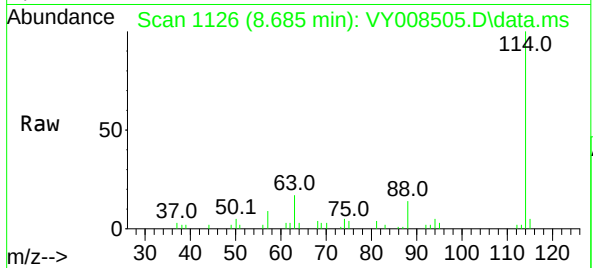




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. -0.006 min
Lab File: VY008505.D
Acq: 26 Apr 2022 15:40

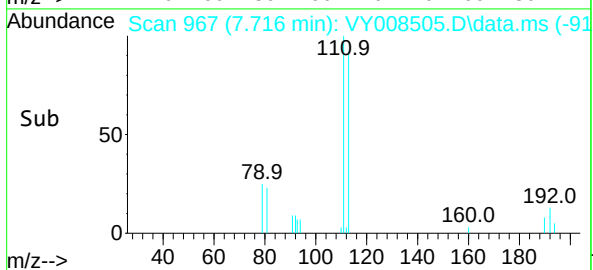
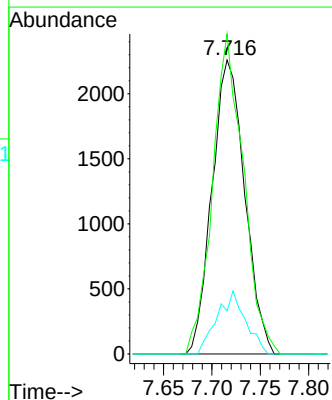
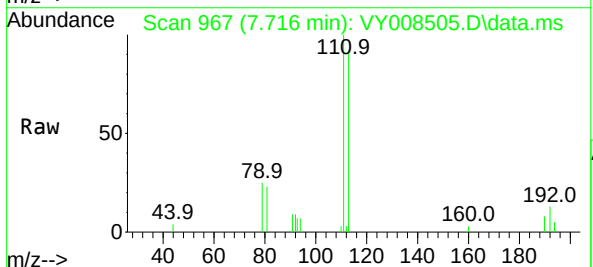
Instrument :
MSVOA_Y
ClientSampleId :
OR-03-042522

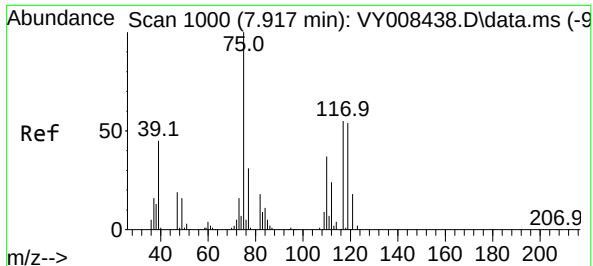
Tgt Ion:114 Resp: 18317
Ion Ratio Lower Upper
114 100
63 16.7 0.0 43.2
88 13.9 0.0 31.8



#35
Dibromofluoromethane
Concen: 44.935 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY008505.D
Acq: 26 Apr 2022 15:40

Tgt Ion:113 Resp: 5312
Ion Ratio Lower Upper
113 100
111 102.8 82.6 124.0
192 18.6 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.818 ug/l

RT: 7.795 min Scan# 90

Delta R.T. -0.122 min

Lab File: VY008505.D

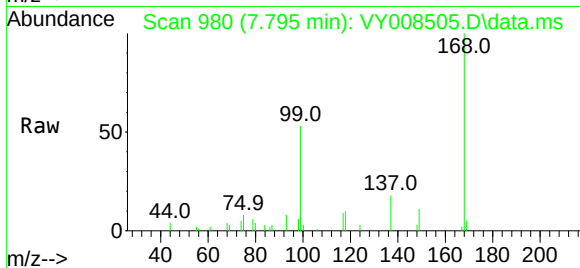
Acq: 26 Apr 2022 15:40

Instrument :

MSVOA_Y

ClientSampleId :

OR-03-042522



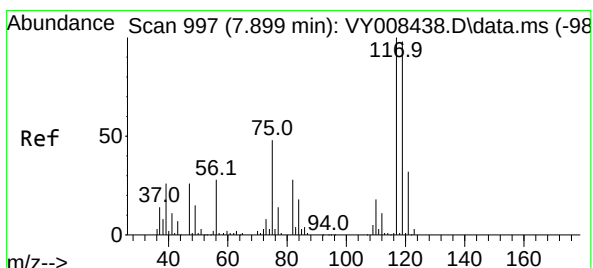
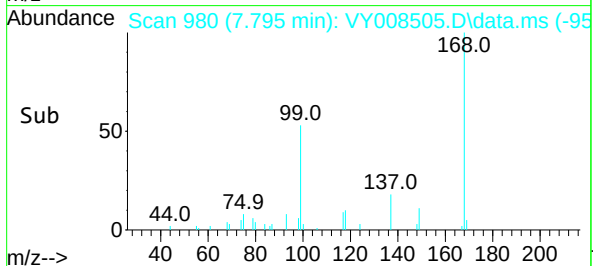
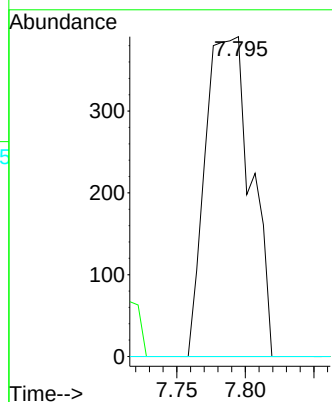
Tgt Ion: 75 Resp: 906

Ion Ratio Lower Upper

75 100

110 0.0 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.876 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY008505.D

Acq: 26 Apr 2022 15:40

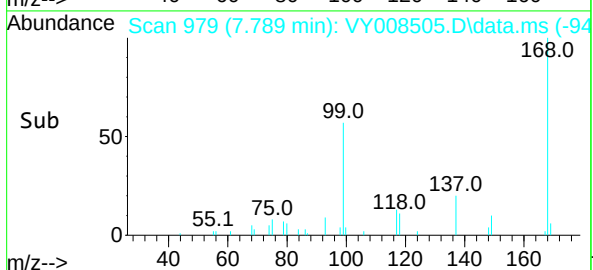
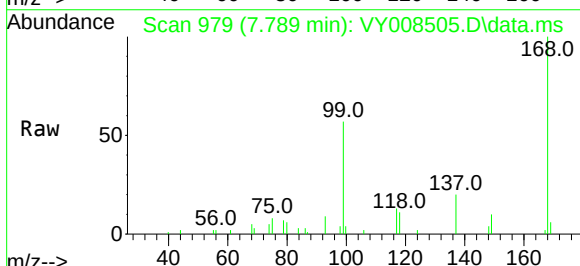
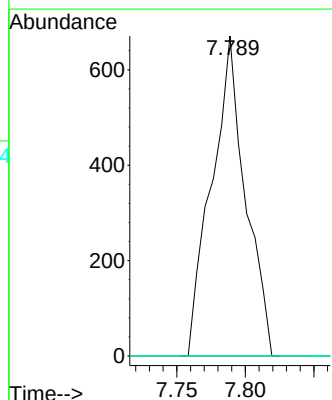
Tgt Ion: 117 Resp: 1148

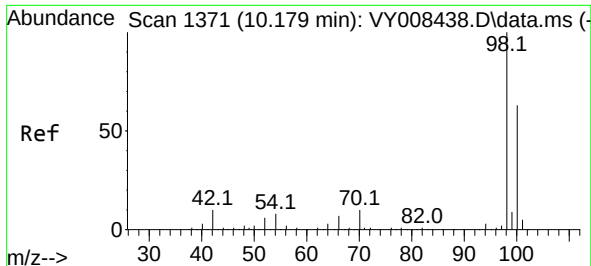
Ion Ratio Lower Upper

117 100

119 0.0 77.9 116.9#

121 0.0 24.8 37.2#

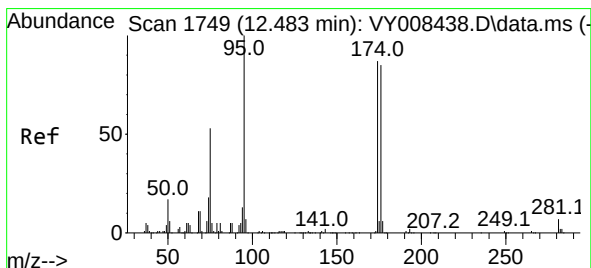
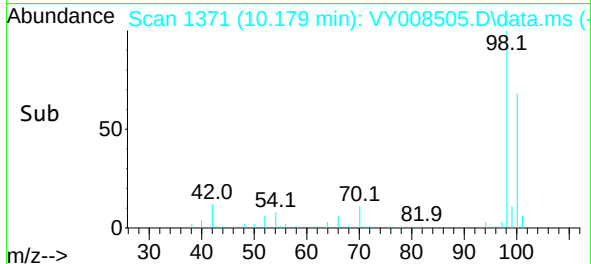
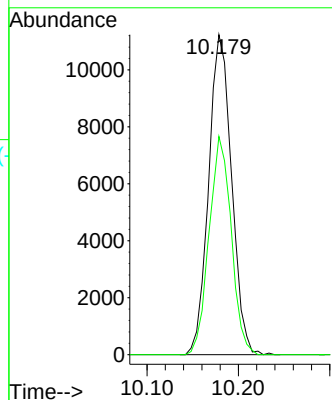
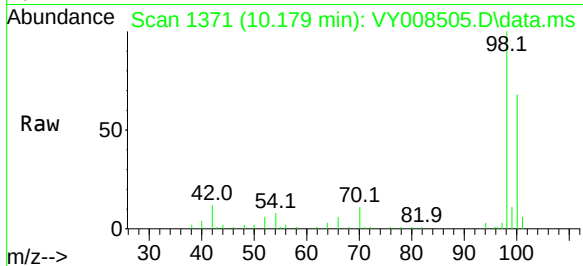




#50
Toluene-d8
Concen: 41.889 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY008505.D
Acq: 26 Apr 2022 15:40

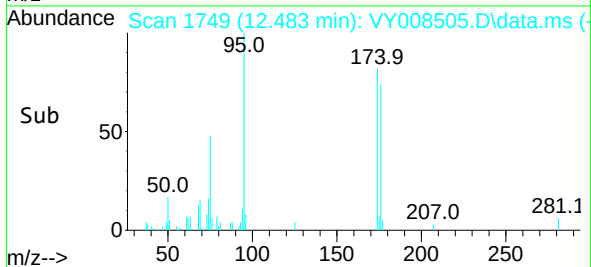
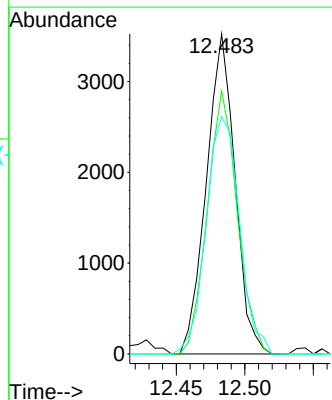
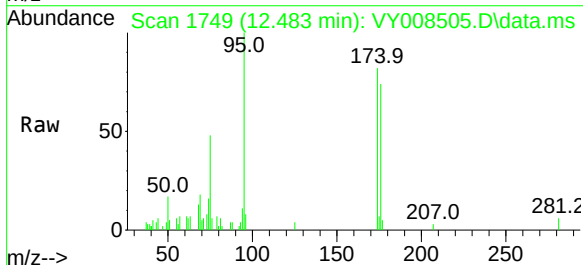
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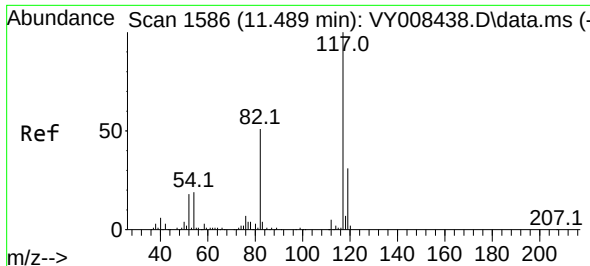
Tgt Ion: 98 Resp: 19561
Ion Ratio Lower Upper
98 100
100 65.8 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 32.215 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY008505.D
Acq: 26 Apr 2022 15:40

Tgt Ion: 95 Resp: 5128
Ion Ratio Lower Upper
95 100
174 85.9 0.0 177.0
176 86.3 0.0 175.8

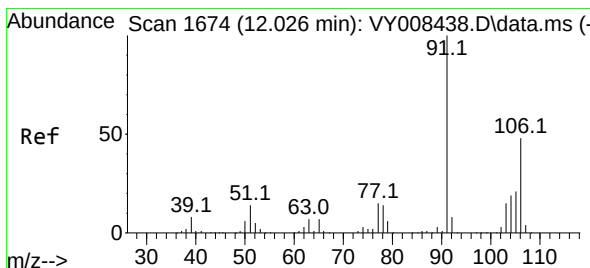
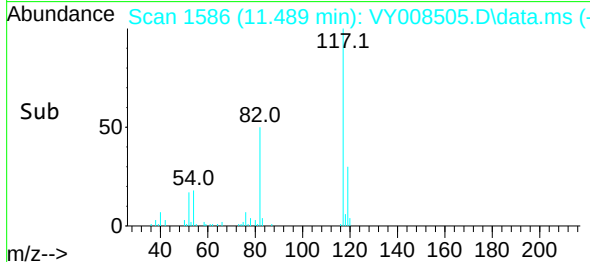
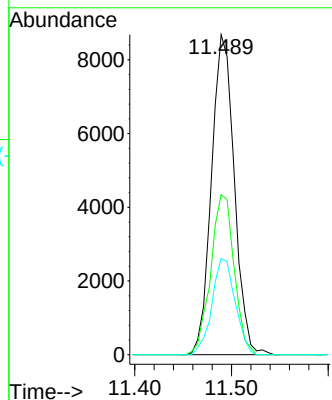
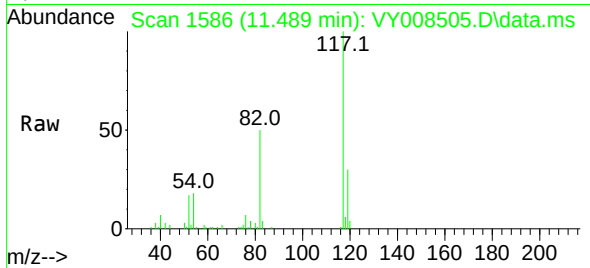




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY008505.D
Acq: 26 Apr 2022 15:40

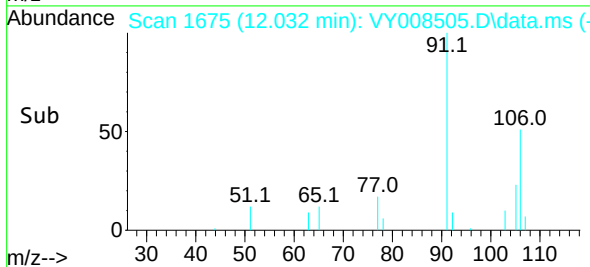
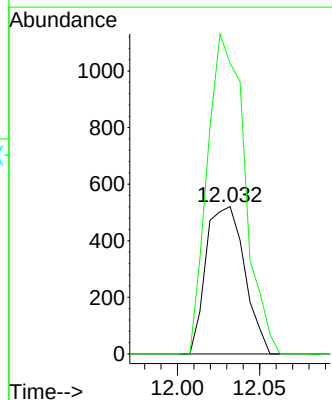
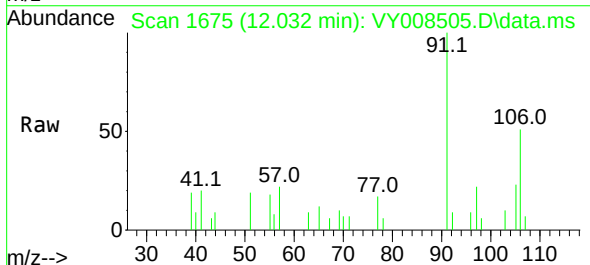
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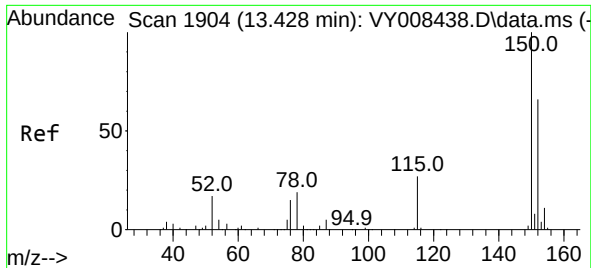
Tgt Ion:	117	Resp:	14211
Ion	Ratio	Lower	Upper
117	100		
82	50.0	43.0	64.4
119	30.1	25.4	38.0



#69
o-Xylene
Concen: 3.943 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. 0.006 min
Lab File: VY008505.D
Acq: 26 Apr 2022 15:40

Tgt Ion:	106	Resp:	848
Ion	Ratio	Lower	Upper
106	100		
91	210.0	110.3	331.0

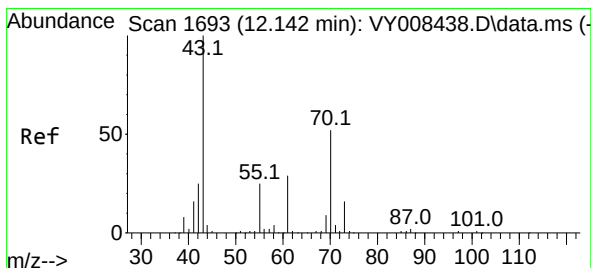
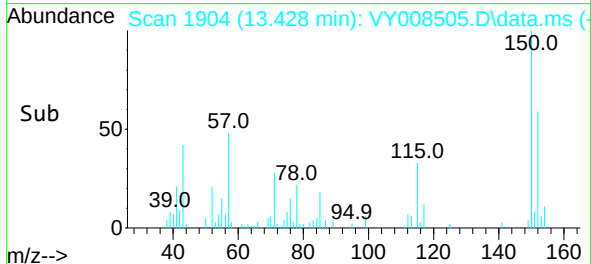
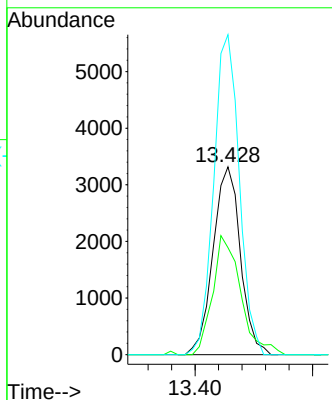
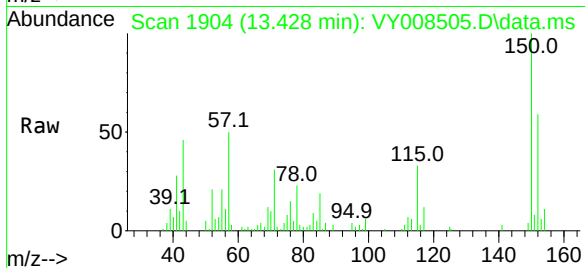




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY008505.D
Acq: 26 Apr 2022 15:40

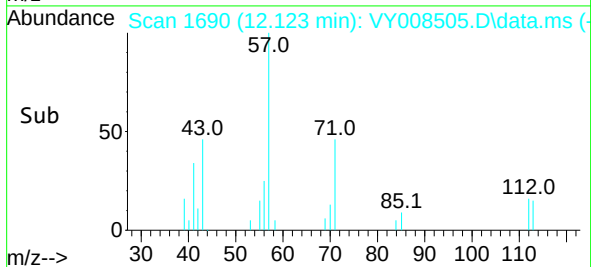
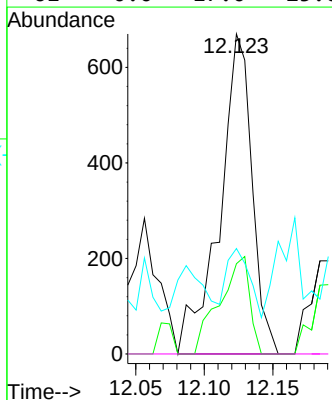
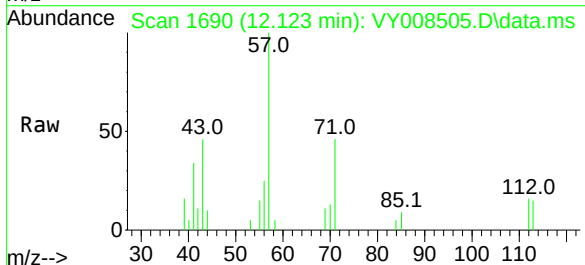
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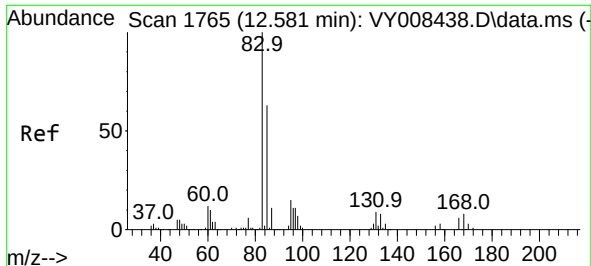
Tgt Ion:152 Resp: 5366
Ion Ratio Lower Upper
152 100
115 65.1 28.2 84.7
150 159.3 0.0 347.6



#74
N-ethyl acetate
Concen: 10.952 ug/l
RT: 12.123 min Scan# 1690
Delta R.T. -0.019 min
Lab File: VY008505.D
Acq: 26 Apr 2022 15:40

Tgt Ion: 43 Resp: 1101
Ion Ratio Lower Upper
43 100
70 28.4 28.7 43.1#
55 14.8 17.3 25.9#
61 0.0 17.0 25.6#

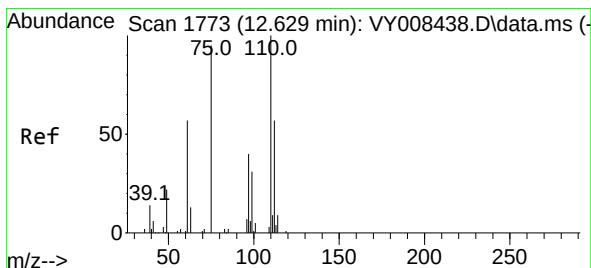
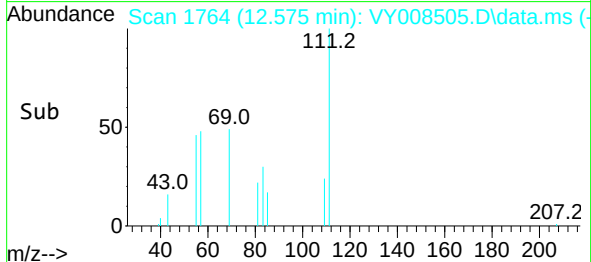
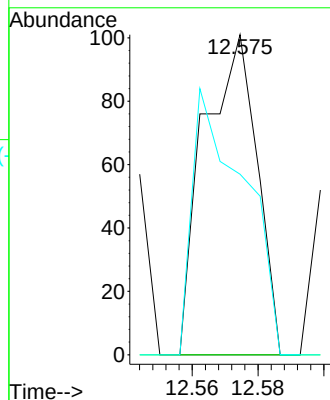
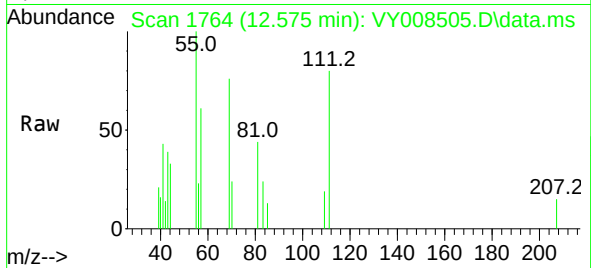




#75
 1,1,2,2-Tetrachloroethane
 Concen: 1.243 ug/l
 RT: 12.575 min Scan# 1764
 Delta R.T. -0.006 min
 Lab File: VY008505.D
 Acq: 26 Apr 2022 15:40

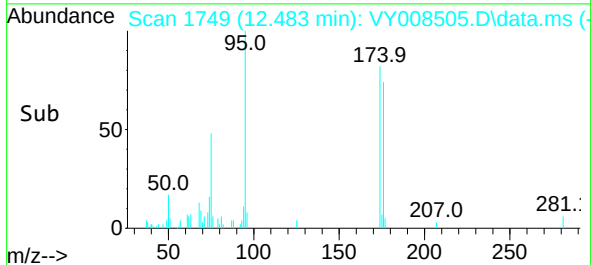
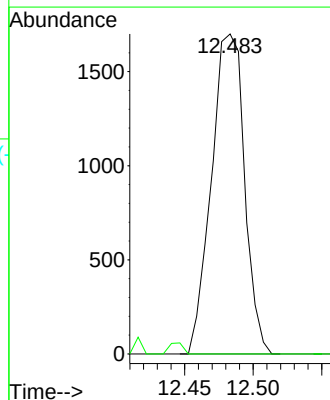
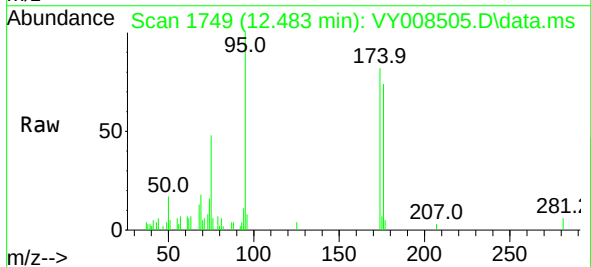
Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-03-042522

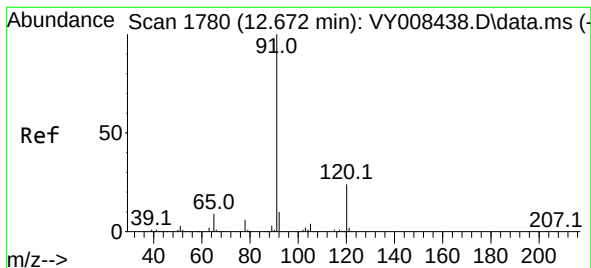
Tgt Ion: 83 Resp: 113
 Ion Ratio Lower Upper
 83 100
 131 0.0 5.6 16.8#
 85 0.0 32.3 96.8#



#76
 1,2,3-Trichloropropane
 Concen: 41.083 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.146 min
 Lab File: VY008505.D
 Acq: 26 Apr 2022 15:40

Tgt Ion: 75 Resp: 2853
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0





#78

n-propylbenzene

Concen: 2.389 ug/l

RT: 12.672 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY008505.D

Acq: 26 Apr 2022 15:40

Instrument :

MSVOA_Y

ClientSampleId :

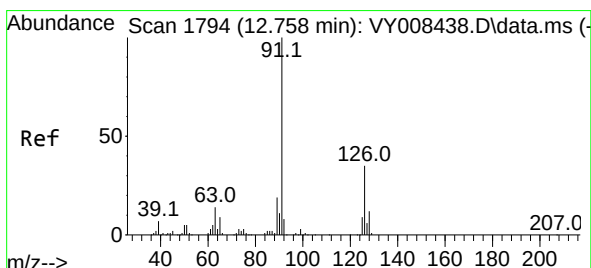
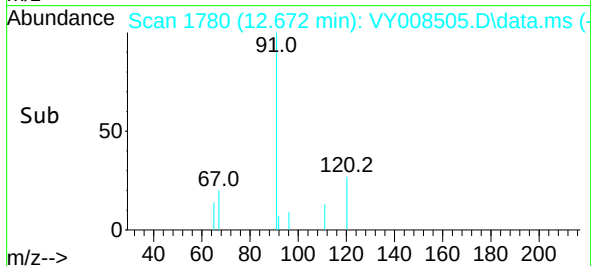
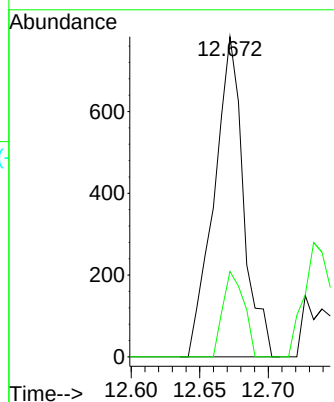
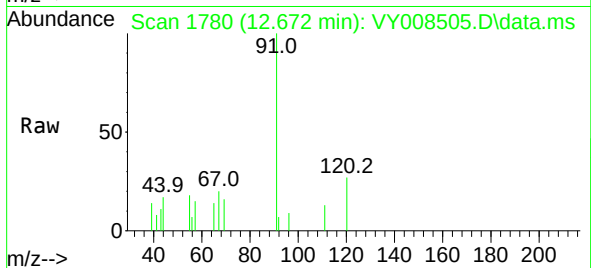
OR-03-042522

Tgt Ion: 91 Resp: 1166

Ion Ratio Lower Upper

91 100

120 19.0 11.3 33.9



#79

2-Chlorotoluene

Concen: 1.249 ug/l

RT: 12.770 min Scan# 1796

Delta R.T. 0.012 min

Lab File: VY008505.D

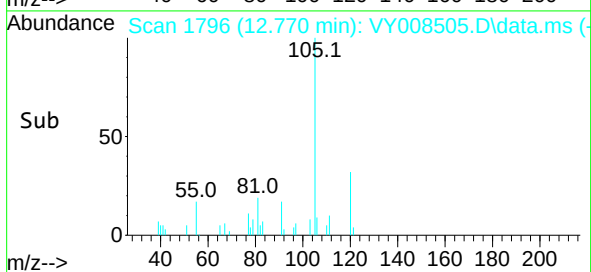
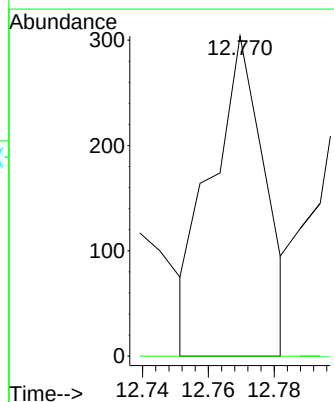
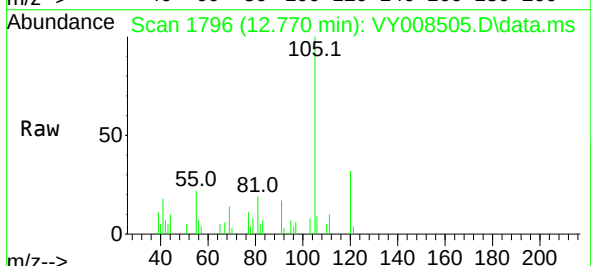
Acq: 26 Apr 2022 15:40

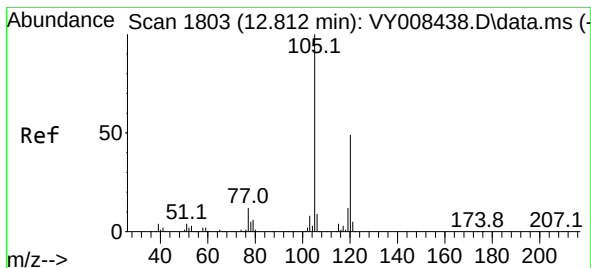
Tgt Ion: 91 Resp: 343

Ion Ratio Lower Upper

91 100

126 0.0 16.9 50.6#





#80

1,3,5-Trimethylbenzene

Concen: 12.822 ug/l

RT: 12.812 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY008505.D

Acq: 26 Apr 2022 15:40

Instrument :

MSVOA_Y

ClientSampleId :

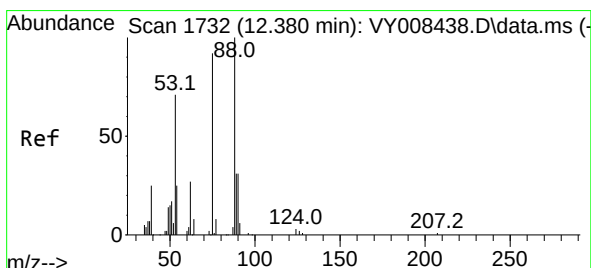
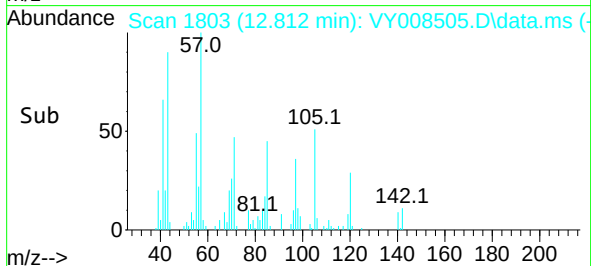
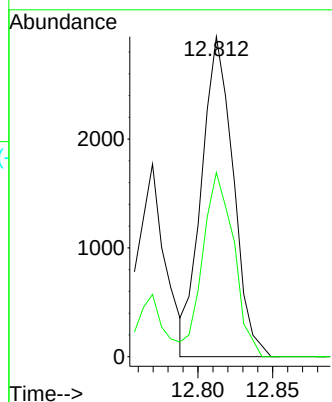
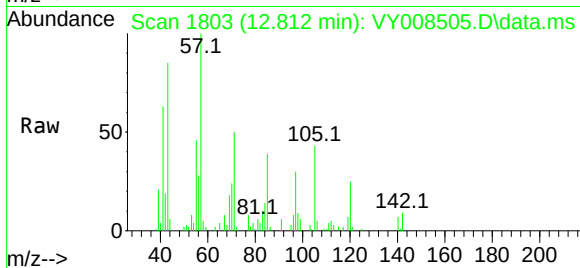
OR-03-042522

Tgt Ion:105 Resp: 4330

Ion Ratio Lower Upper

105 100

120 56.4 24.4 73.4



#81

trans-1,4-Dichloro-2-butene

Concen: 95.308 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.103 min

Lab File: VY008505.D

Acq: 26 Apr 2022 15:40

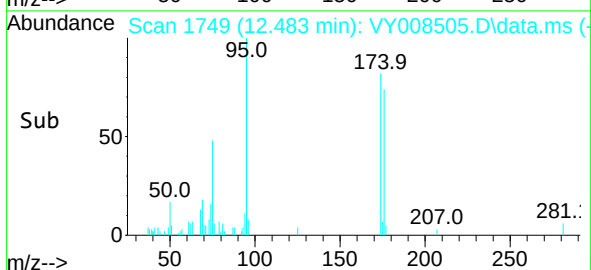
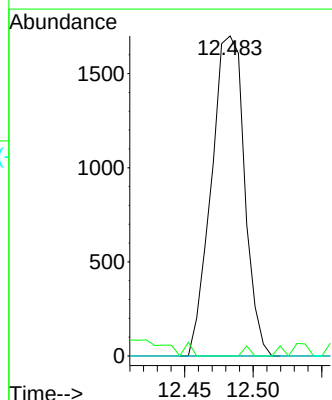
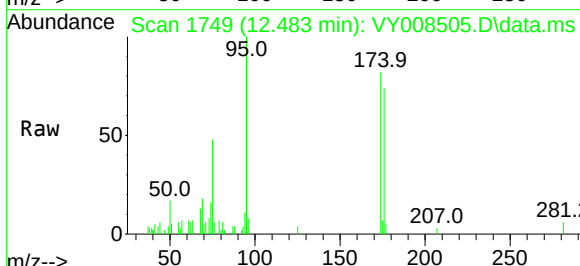
Tgt Ion: 75 Resp: 2853

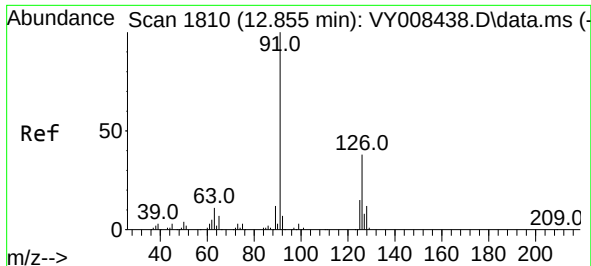
Ion Ratio Lower Upper

75 100

53 0.7 85.3 127.9#

89 0.0 37.0 55.4#

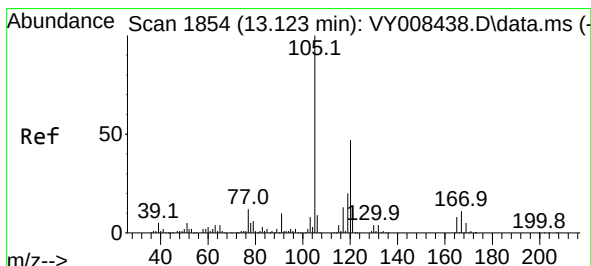
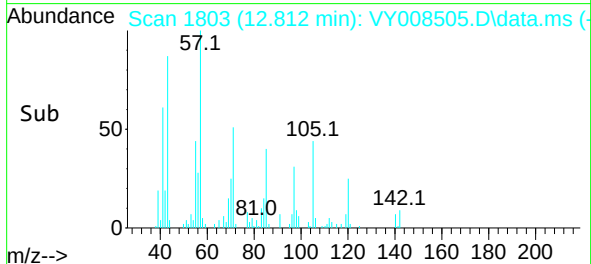
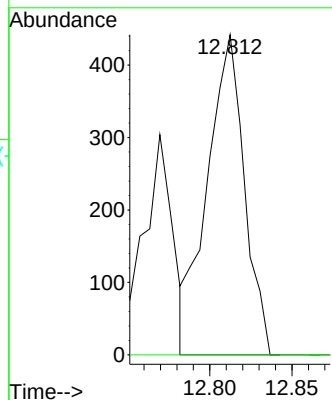
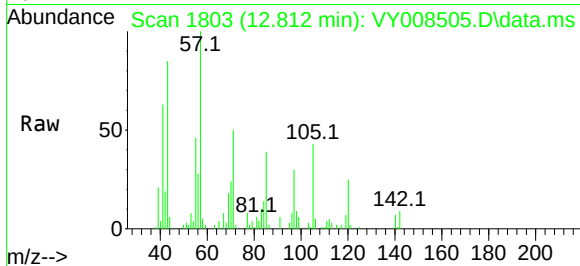




#82
4-Chlorotoluene
Concen: 2.431 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. -0.043 min
Lab File: VY008505.D
Acq: 26 Apr 2022 15:40

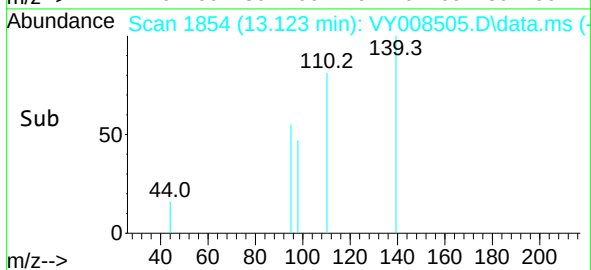
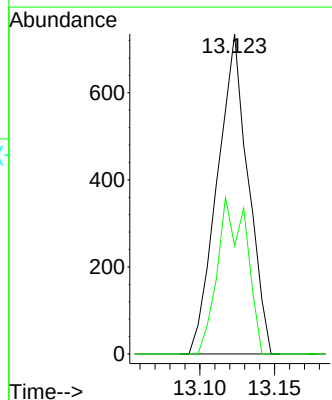
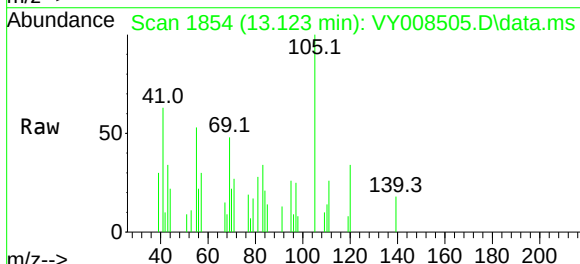
Instrument :
MSVOA_Y
ClientSampleId :
OR-03-042522

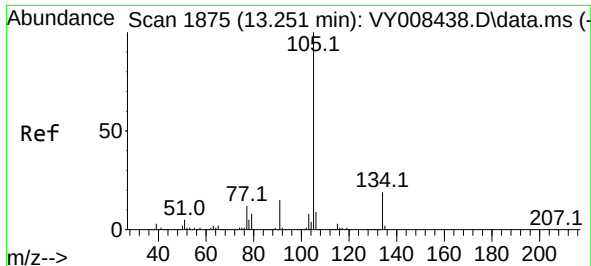
Tgt Ion: 91 Resp: 692
Ion Ratio Lower Upper
91 100
126 0.0 17.0 51.0#



#84
1,2,4-Trimethylbenzene
Concen: 3.140 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.000 min
Lab File: VY008505.D
Acq: 26 Apr 2022 15:40

Tgt Ion: 105 Resp: 1052
Ion Ratio Lower Upper
105 100
120 46.0 22.3 66.9

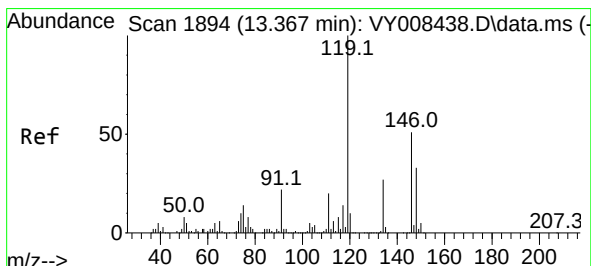
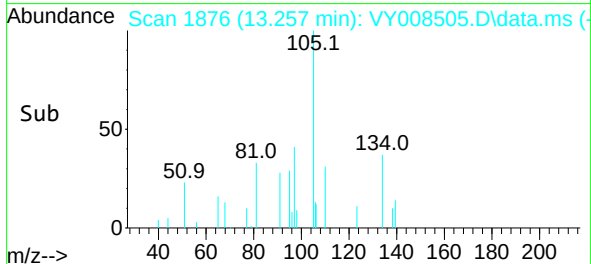
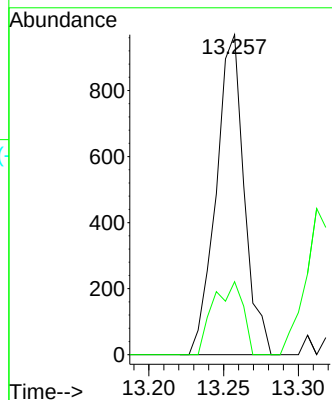
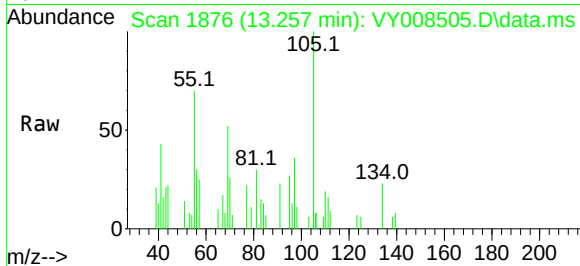




#85
 sec-Butylbenzene
 Concen: 2.866 ug/l
 RT: 13.257 min Scan# 1875
 Delta R.T. 0.006 min
 Lab File: VY008505.D
 Acq: 26 Apr 2022 15:40

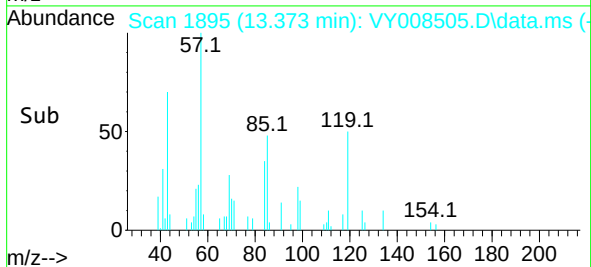
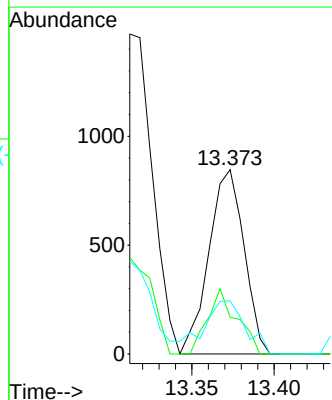
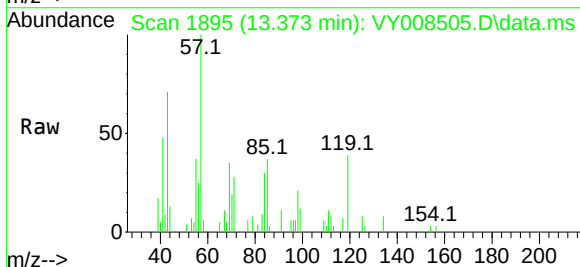
Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-03-042522

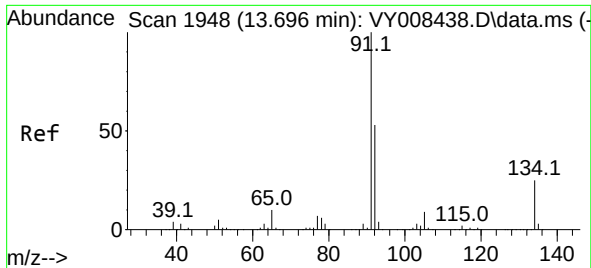
Tgt Ion:105 Resp: 1268
 Ion Ratio Lower Upper
 105 100
 134 24.1 10.2 30.4



#86
 p-Isopropyltoluene
 Concen: 3.401 ug/l
 RT: 13.373 min Scan# 1895
 Delta R.T. 0.006 min
 Lab File: VY008505.D
 Acq: 26 Apr 2022 15:40

Tgt Ion:119 Resp: 1260
 Ion Ratio Lower Upper
 119 100
 134 29.4 13.2 39.5
 91 33.7 12.4 37.2

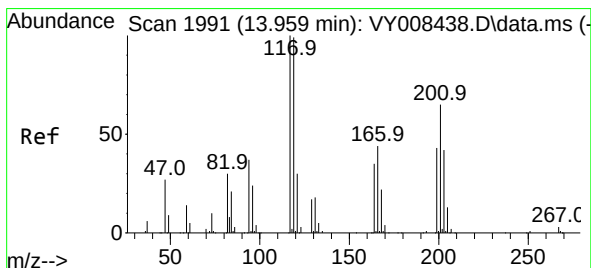
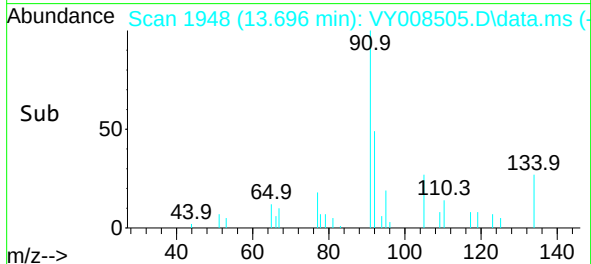
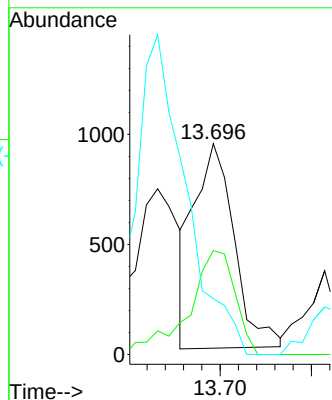
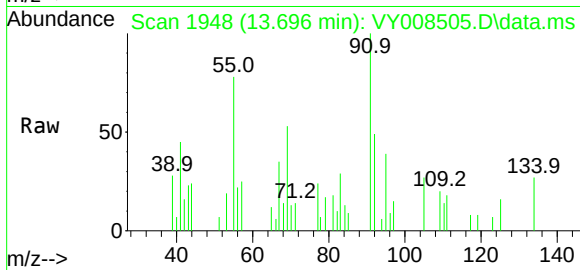




#89
n-Butylbenzene
Concen: 4.220 ug/l
RT: 13.696 min Scan# 1948
Delta R.T. 0.000 min
Lab File: VY008505.D
Acq: 26 Apr 2022 15:40

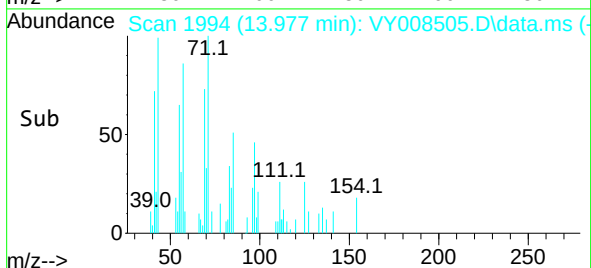
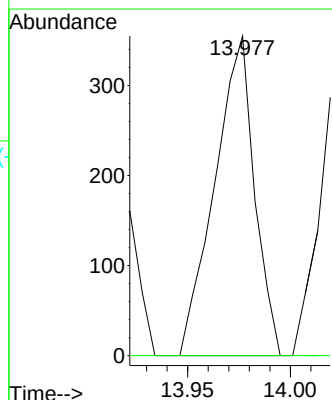
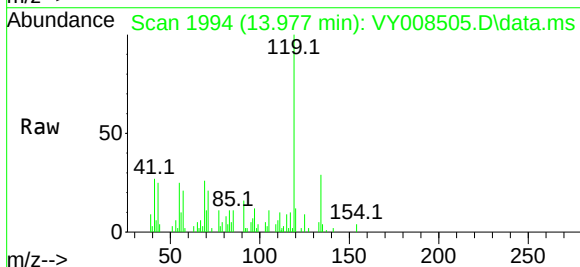
Instrument :
MSVOA_Y
ClientSampleId :
OR-03-042522

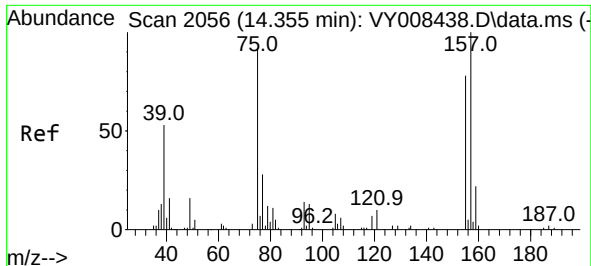
Tgt Ion: 91 Resp: 1419
Ion Ratio Lower Upper
91 100
92 59.3 26.3 78.9
134 0.0 13.0 38.9#



#90
Hexachloroethane
Concen: 7.176 ug/l
RT: 13.977 min Scan# 1994
Delta R.T. 0.018 min
Lab File: VY008505.D
Acq: 26 Apr 2022 15:40

Tgt Ion: 117 Resp: 478
Ion Ratio Lower Upper
117 100
201 0.0 43.0 128.8#





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.684 ug/l

RT: 14.080 min Scan# 2056

Delta R.T. -0.275 min

Lab File: VY008505.D

Acq: 26 Apr 2022 15:40

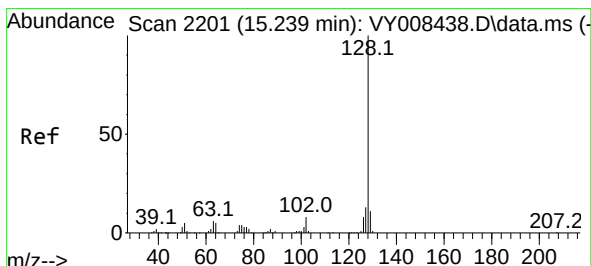
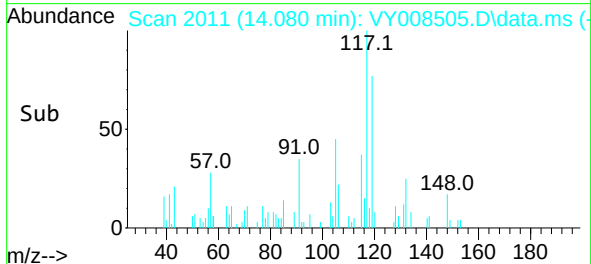
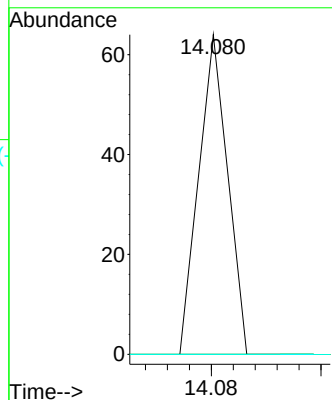
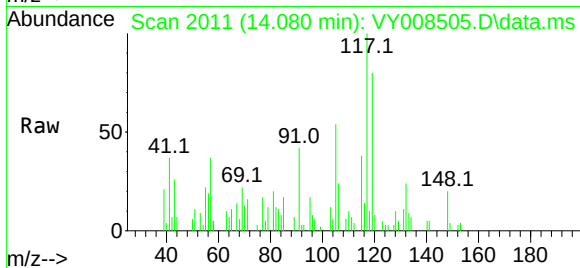
Instrument :

MSVOA_Y

ClientSampleId :

OR-03-042522

Tgt Ion: 75	Resp:	23
Ion Ratio	Lower	Upper
75	100	
155	0.0	38.0 113.9#
157	0.0	47.8 143.3#



#95

Naphthalene

Concen: 1.337 ug/l

RT: 15.239 min Scan# 2201

Delta R.T. -0.000 min

Lab File: VY008505.D

Acq: 26 Apr 2022 15:40

Tgt Ion: 128	Resp:	298
Ion Ratio	Lower	Upper
128	100	
127	0.0	11.0 16.4#
129	0.0	8.4 12.6#

