

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011422\
 Data File : VY007171.D
 Acq On : 14 Jan 2022 16:07
 Operator : SY/MD
 Sample : N1143-04
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 17 04:54:59 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011322S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 14 05:48:29 2022
 Response via : Initial Calibration

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

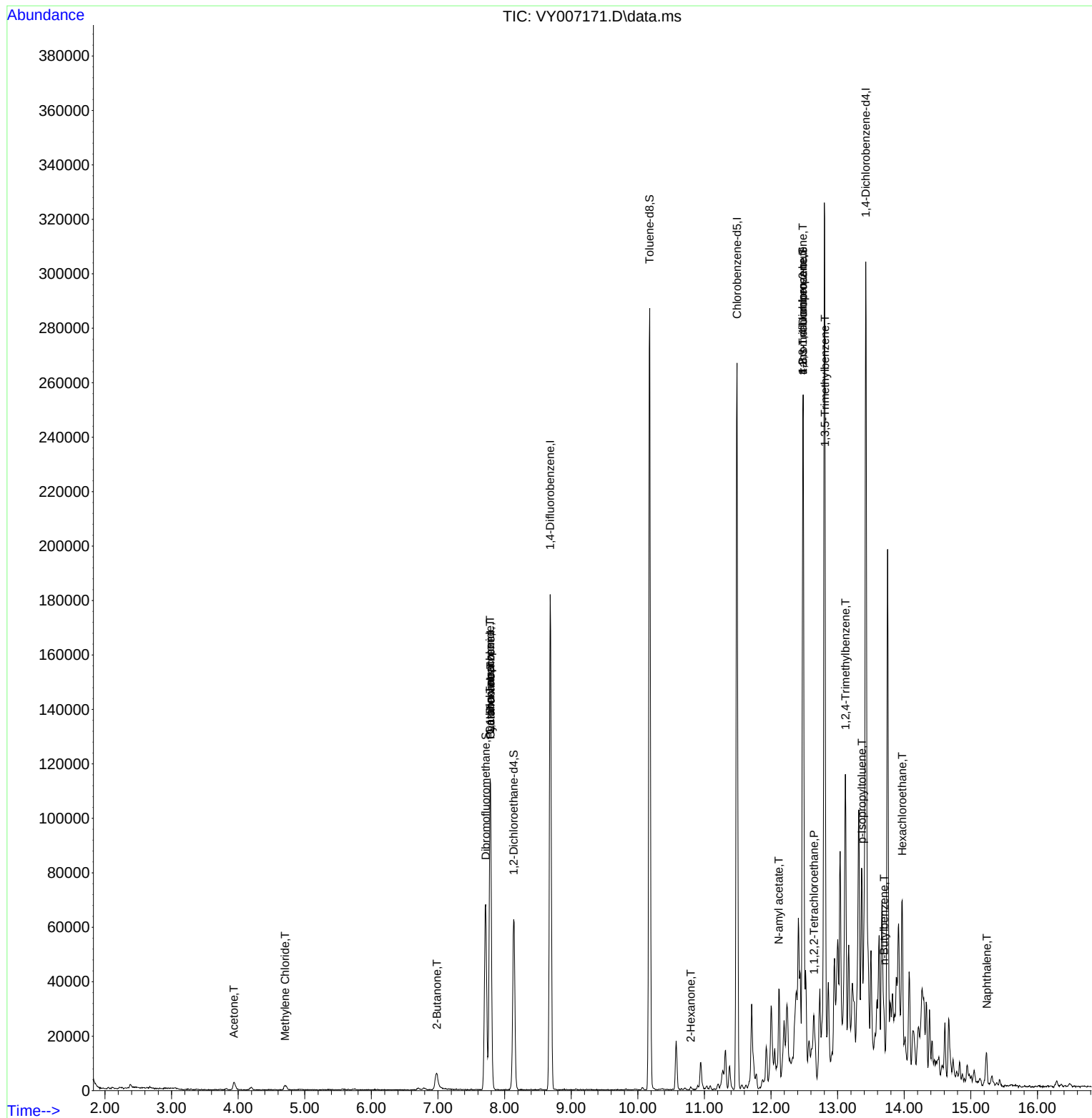
Internal Standards						
1) Pentafluorobenzene	7.789	168	85154	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	151306	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	138750	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	62157	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	50364	48.202	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.400%
35) Dibromofluoromethane	7.716	113	48841	47.738	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.480%
50) Toluene-d8	10.179	98	184034	49.228	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	98.460%
62) 4-Bromofluorobenzene	12.477	95	66601	50.083	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	100.160%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.924	59	241	Below Cal	#	73
13) Acrolein	3.723	56	89	Below Cal	#	78
16) Acetone	3.936	43	5442	20.069	ug/l	91
20) Methylene Chloride	4.704	84	1282	1.143	ug/l #	81
25) 2-Butanone	6.984	43	1230	3.508	ug/l	96
31) Cyclohexane	7.789	56	1949	1.103	ug/l #	32
36) 1,1-Dichloropropene	7.783	75	7523	4.604	ug/l #	50
38) Carbon Tetrachloride	7.783	117	9100	5.295	ug/l #	16
59) 2-Hexanone	10.794	43	564	1.004	ug/l #	23
74) N-amyl acetate	12.117	43	7706	5.368	ug/l #	58
75) 1,1,2,2-Tetrachloroethane	12.648	83	1790	1.715	ug/l #	54
76) 1,2,3-Trichloropropane	12.477	75	36644	51.702	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.812	105	17162	3.893	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.477	75	36644	94.652	ug/l #	4
84) 1,2,4-Trimethylbenzene	13.117	105	51284	11.737	ug/l	97
86) p-Isopropyltoluene	13.367	119	6543	1.397	ug/l	95
89) n-Butylbenzene	13.696	91	7977	1.730	ug/l #	72
90) Hexachloroethane	13.971	117	1846	2.016	ug/l #	16
95) Naphthalene	15.239	128	9572	3.643	ug/l	99

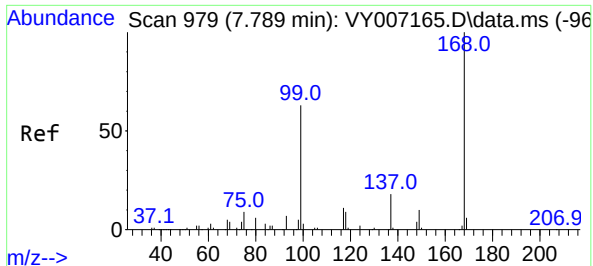
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Jan 14 05:48:29 2022
Response via : Initial Calibration

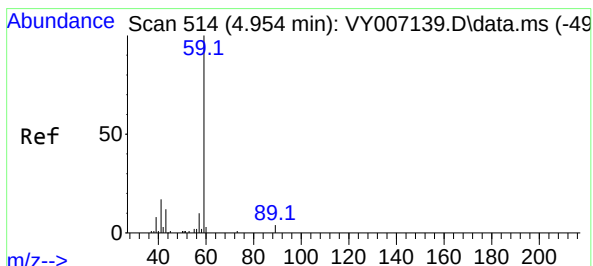
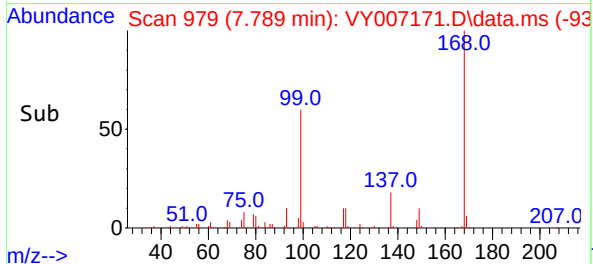
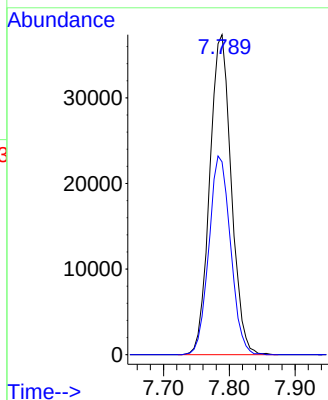
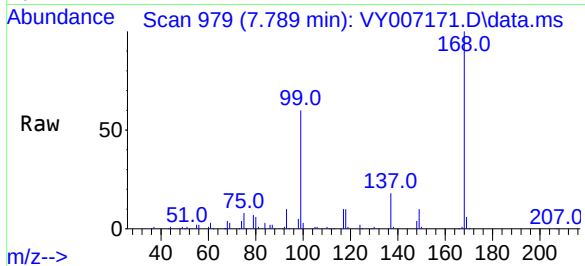




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY007171.D
Acq: 14 Jan 2022 16:07

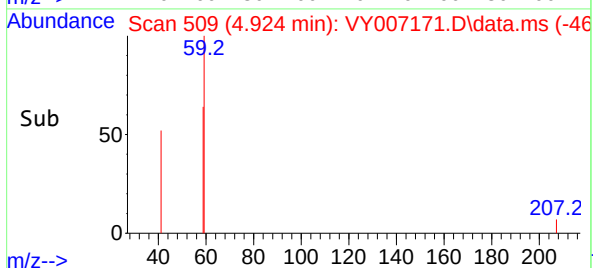
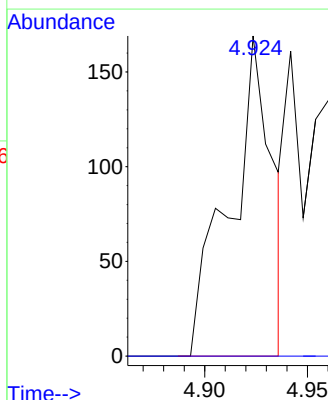
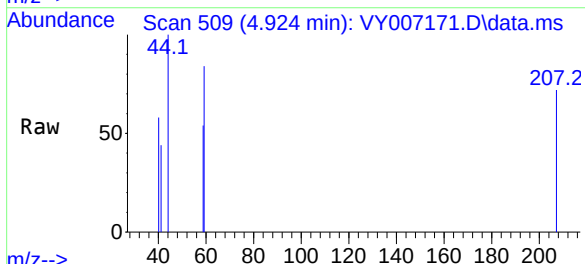
Instrument :
MSVOA_Y
ClientSampleId :

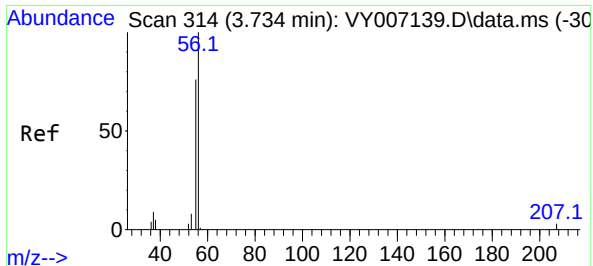
Tgt Ion:168 Resp: 85154
Ion Ratio Lower Upper
168 100
99 60.2 49.1 73.7



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.924 min Scan# 509
Delta R.T. -0.030 min
Lab File: VY007171.D
Acq: 14 Jan 2022 16:07

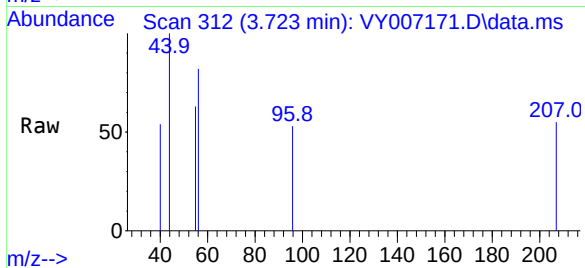
Tgt Ion: 59 Resp: 241
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#



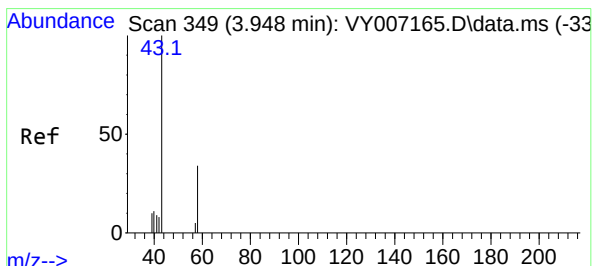
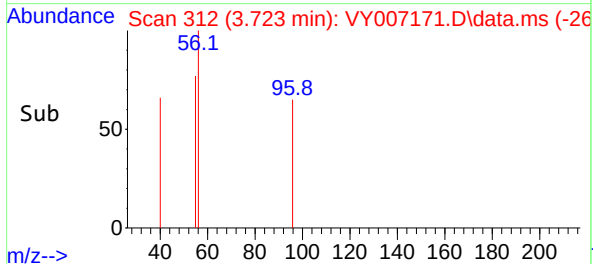
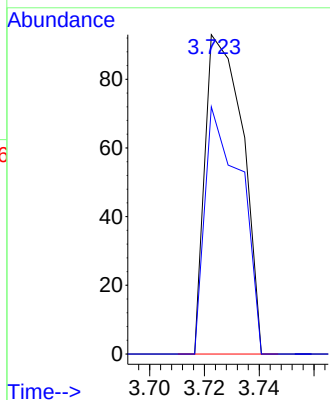


#13
Acrolein
Concen: Below Cal
RT: 3.723 min Scan# 31
Delta R.T. -0.011 min
Lab File: VY007171.D
Acq: 14 Jan 2022 16:07

Instrument :
MSVOA_Y
ClientSampleId :

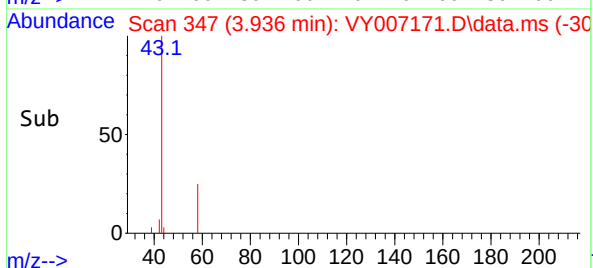
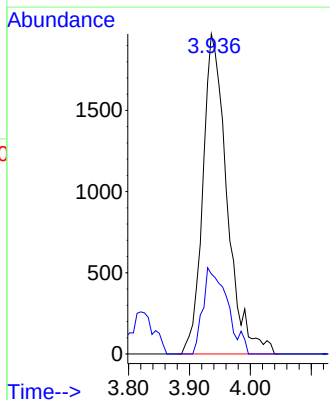
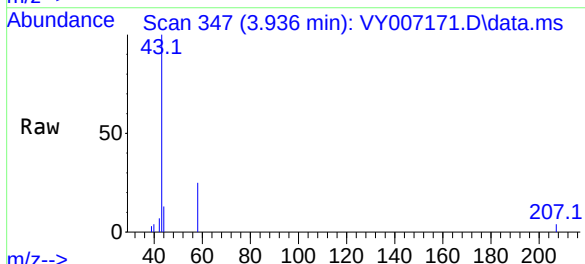


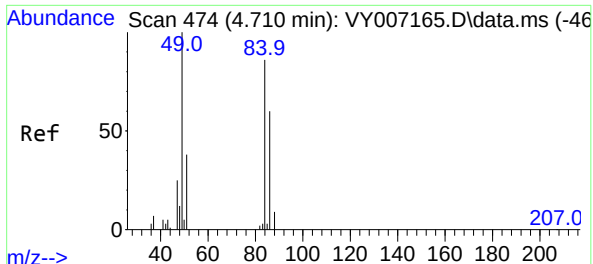
Tgt Ion: 56 Resp: 89
Ion Ratio Lower Upper
56 100
55 51.7 55.7 83.5#



#16
Acetone
Concen: 20.069 ug/l
RT: 3.936 min Scan# 347
Delta R.T. -0.012 min
Lab File: VY007171.D
Acq: 14 Jan 2022 16:07

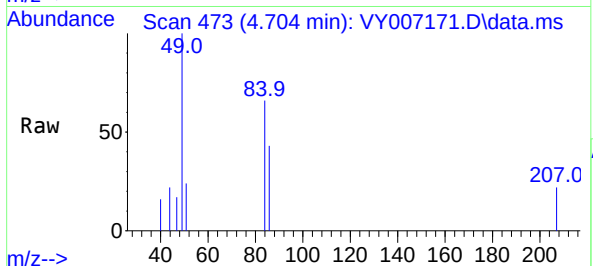
Tgt Ion: 43 Resp: 5442
Ion Ratio Lower Upper
43 100
58 25.0 23.8 35.6





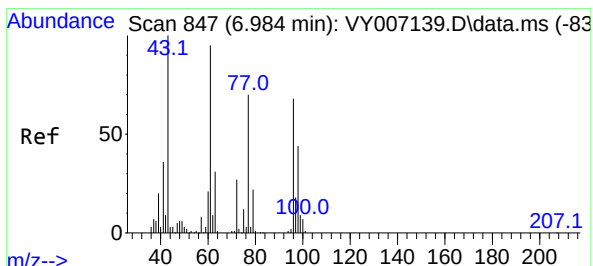
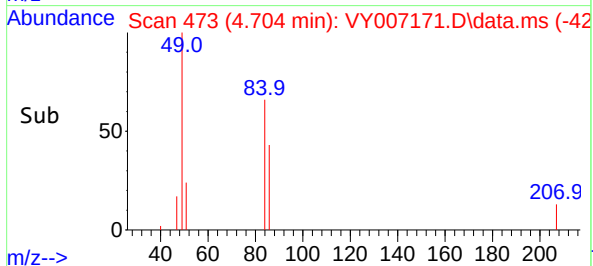
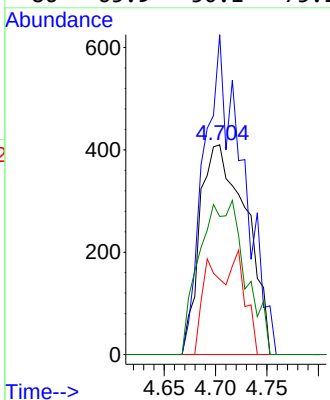
#20
Methylene Chloride
Concen: 1.143 ug/l
RT: 4.704 min Scan# 473
Delta R.T. -0.006 min
Lab File: VY007171.D
Acq: 14 Jan 2022 16:07

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 84 Resp: 1282

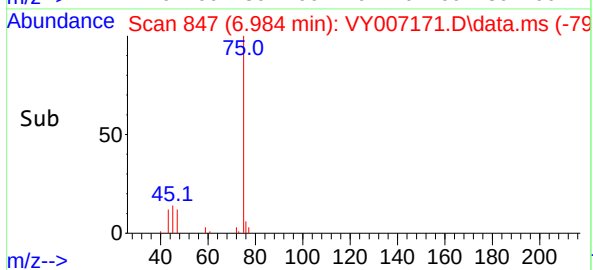
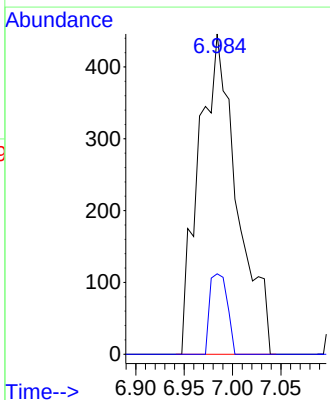
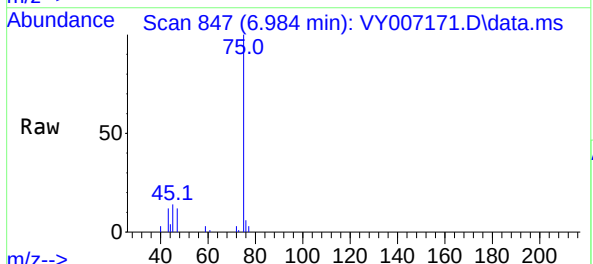
Ion	Ratio	Lower	Upper
84	100		
49	152.4	92.6	139.0#
51	35.9	28.6	42.8
86	65.9	50.1	75.1

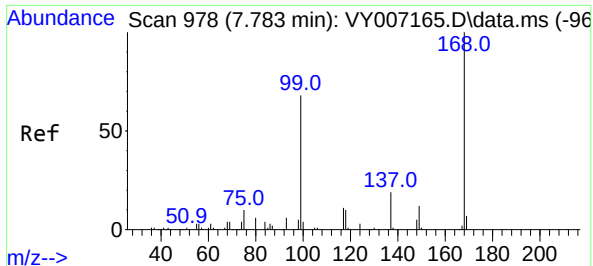


#25
2-Butanone
Concen: 3.508 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY007171.D
Acq: 14 Jan 2022 16:07

Tgt Ion: 43 Resp: 1230

Ion	Ratio	Lower	Upper
43	100		
72	25.1	21.9	32.9

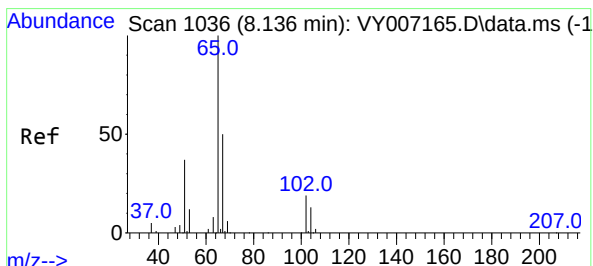
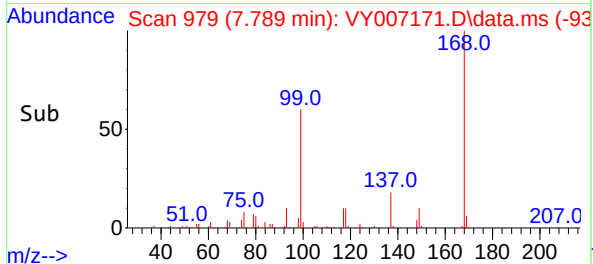
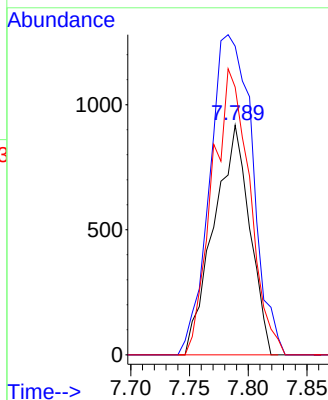
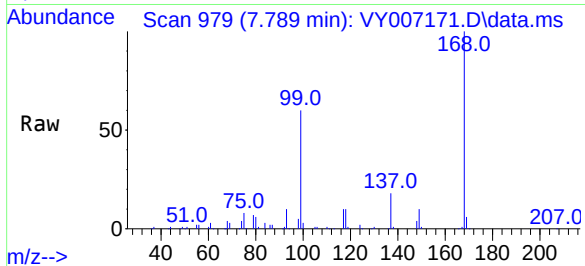




#31
Cyclohexane
Concen: 1.103 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY007171.D
Acq: 14 Jan 2022 16:07

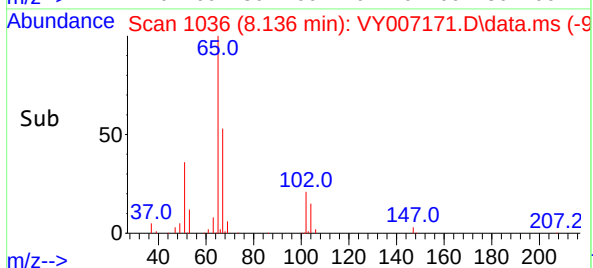
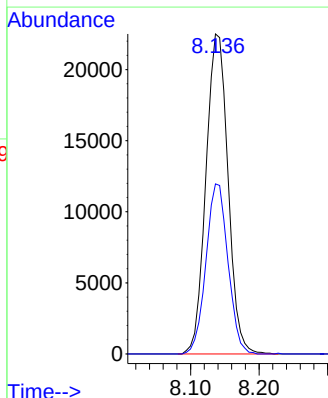
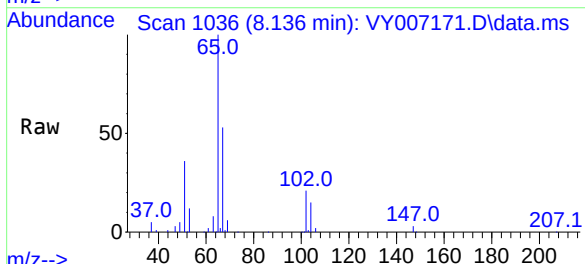
Instrument :
MSVOA_Y
ClientSampleId :

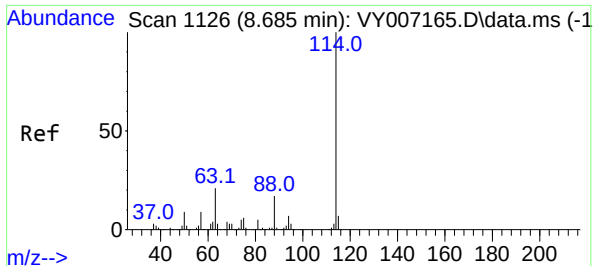
Tgt Ion: 56 Resp: 1949
Ion Ratio Lower Upper
56 100
69 134.4 27.2 40.8#
84 116.6 72.1 108.1#



#33
1,2-Dichloroethane-d4
Concen: 48.202 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY007171.D
Acq: 14 Jan 2022 16:07

Tgt Ion: 65 Resp: 50364
Ion Ratio Lower Upper
65 100
67 52.9 0.0 105.6

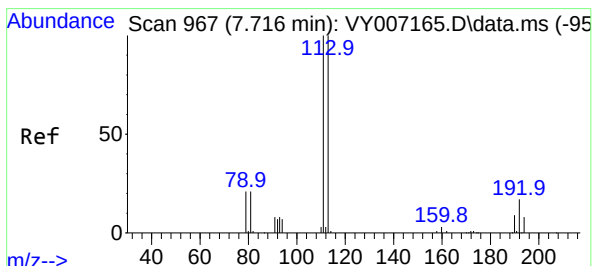
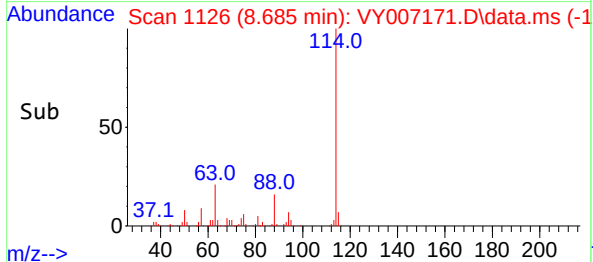
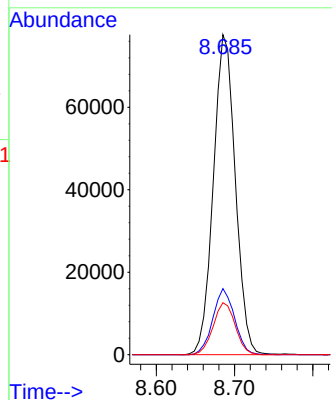
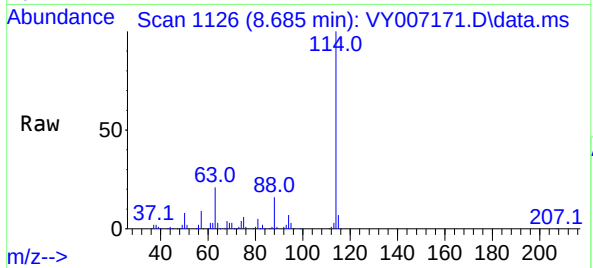




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. -0.006 min
Lab File: VY007171.D
Acq: 14 Jan 2022 16:07

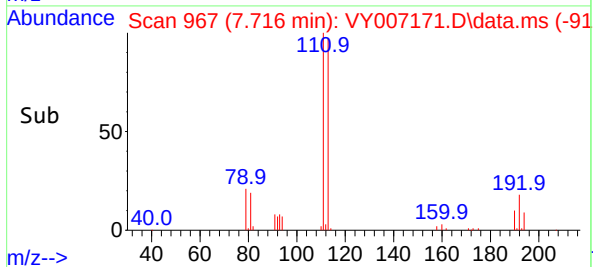
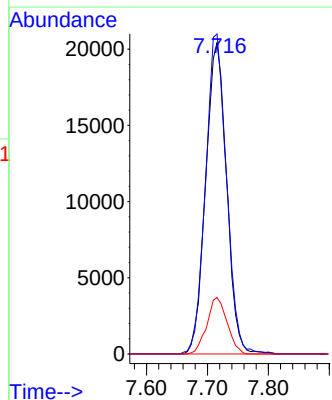
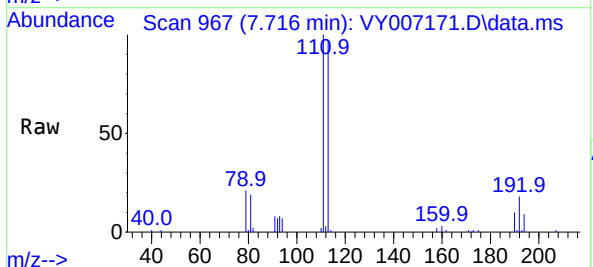
Instrument :
MSVOA_Y
ClientSampleId :

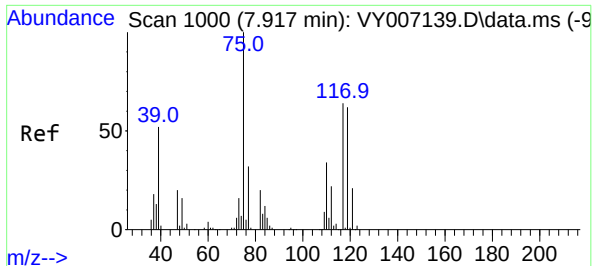
Tgt Ion:114 Resp: 151306
Ion Ratio Lower Upper
114 100
63 20.7 0.0 39.2
88 16.2 0.0 31.0



#35
Dibromofluoromethane
Concen: 47.738 ug/l
RT: 7.716 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY007171.D
Acq: 14 Jan 2022 16:07

Tgt Ion:113 Resp: 48841
Ion Ratio Lower Upper
113 100
111 102.6 82.2 123.4
192 17.5 14.2 21.4





#36

1,1-Dichloropropene

Concen: 4.604 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY007171.D

Acq: 14 Jan 2022 16:07

Instrument :

MSVOA_Y

ClientSampleId :

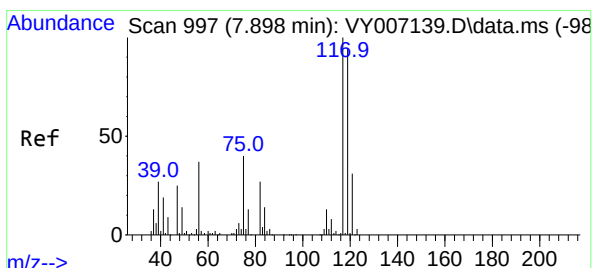
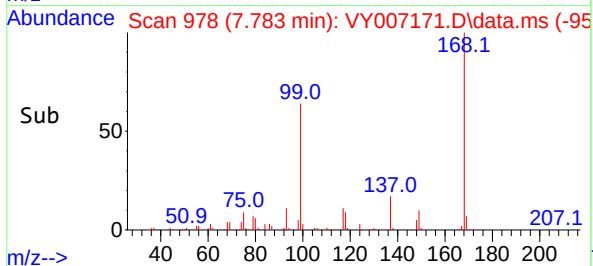
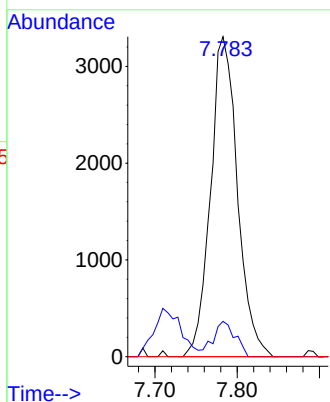
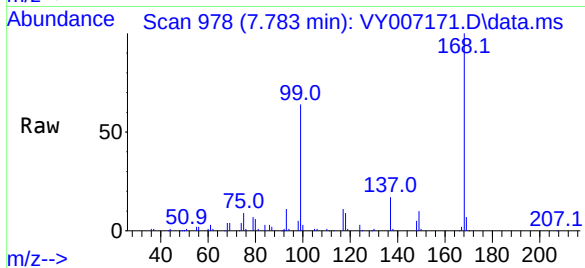
Tgt Ion: 75 Resp: 7523

Ion Ratio Lower Upper

75 100

110 9.1 17.3 51.9#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 5.295 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.116 min

Lab File: VY007171.D

Acq: 14 Jan 2022 16:07

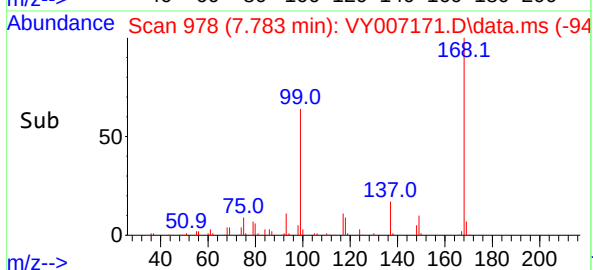
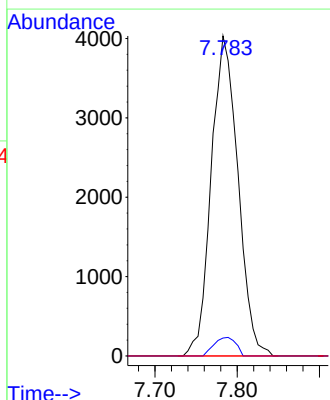
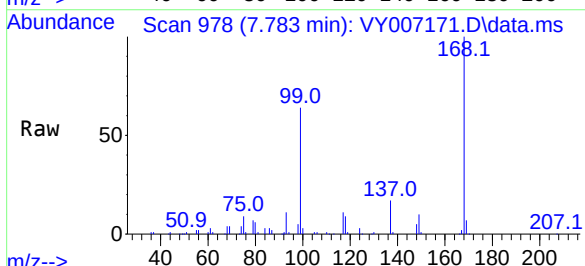
Tgt Ion: 117 Resp: 9100

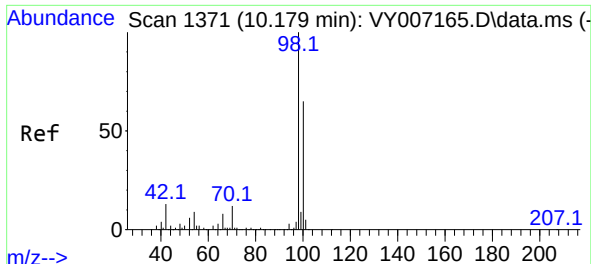
Ion Ratio Lower Upper

117 100

119 5.6 77.2 115.8#

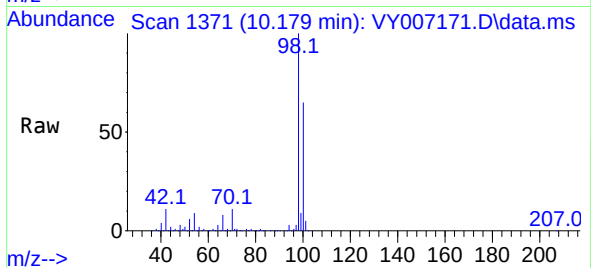
121 0.0 24.2 36.2#



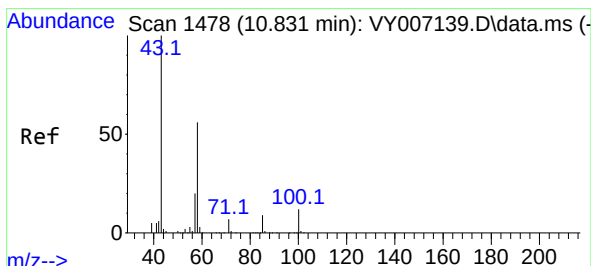
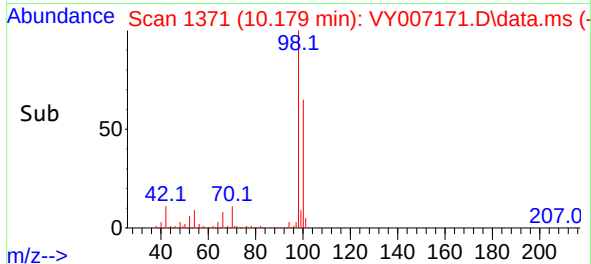
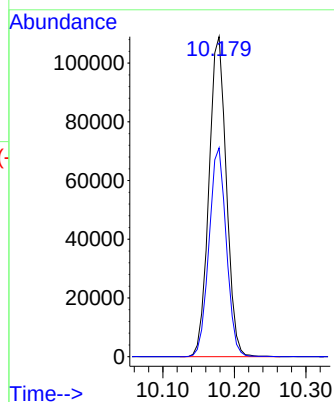


#50
Toluene-d8
Concen: 49.228 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY007171.D
Acq: 14 Jan 2022 16:07

Instrument :
MSVOA_Y
ClientSampleId :

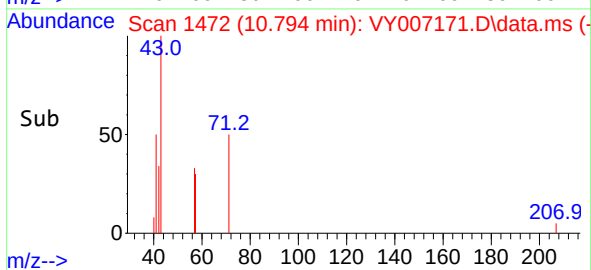
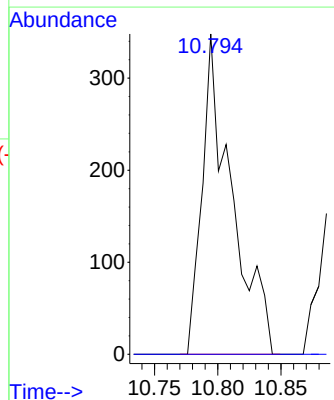
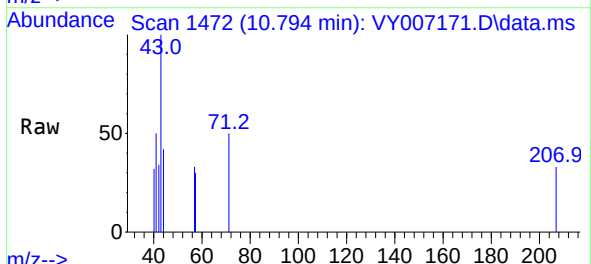


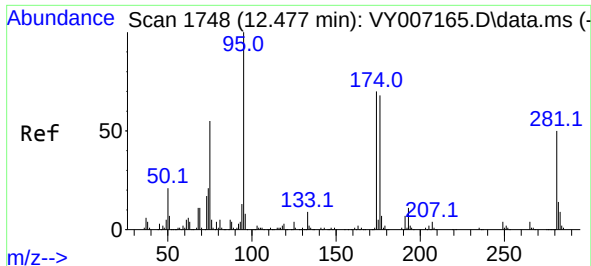
Tgt Ion: 98 Resp: 184034
Ion Ratio Lower Upper
98 100
100 64.9 52.2 78.2



#59
2-Hexanone
Concen: 1.004 ug/l
RT: 10.794 min Scan# 1472
Delta R.T. -0.036 min
Lab File: VY007171.D
Acq: 14 Jan 2022 16:07

Tgt Ion: 43 Resp: 564
Ion Ratio Lower Upper
43 100
58 0.0 28.4 85.3#

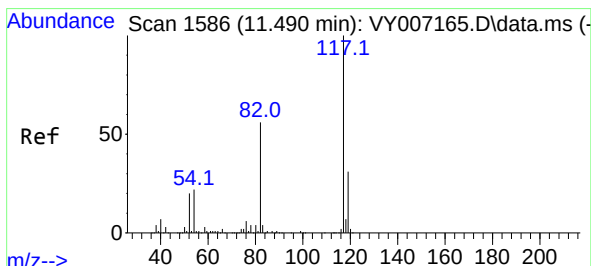
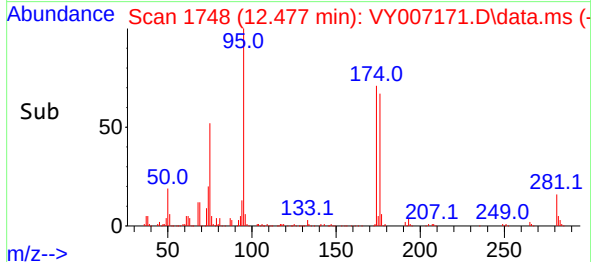
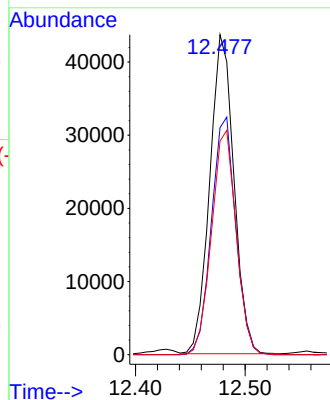
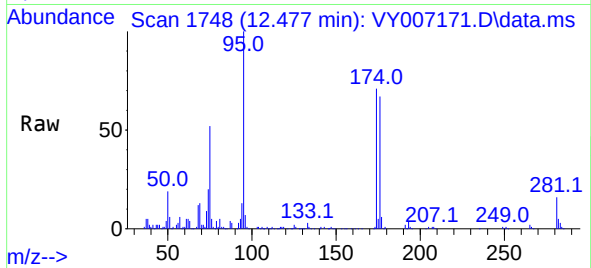




#62
4-Bromofluorobenzene
Concen: 50.083 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY007171.D
Acq: 14 Jan 2022 16:07

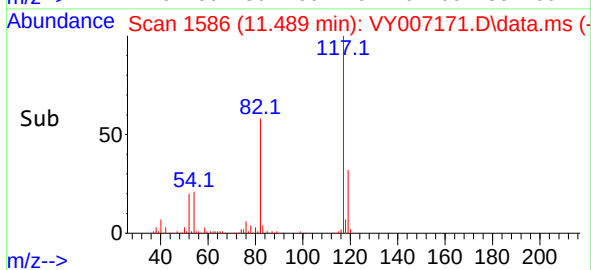
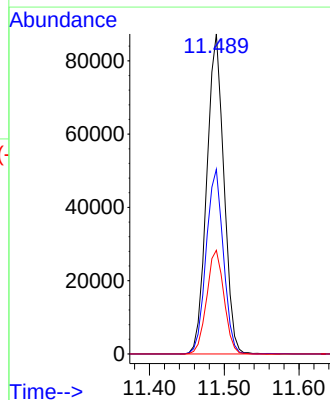
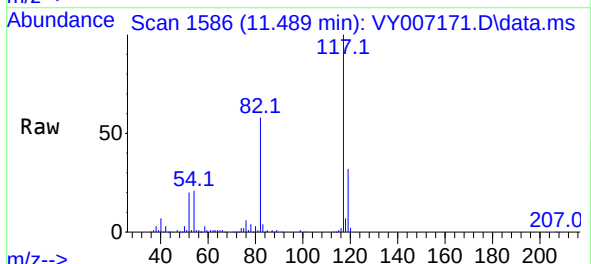
Instrument :
MSVOA_Y
ClientSampleId :

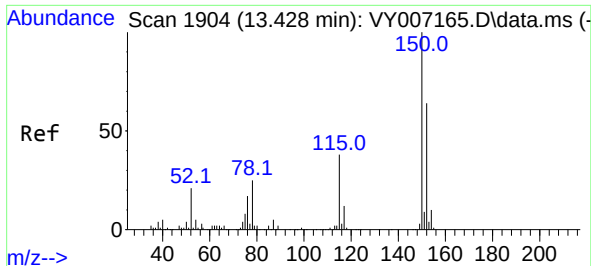
Tgt Ion:	95	Resp:	66601
Ion	Ratio	Lower	Upper
95	100		
174	75.5	0.0	148.4
176	71.8	0.0	146.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY007171.D
Acq: 14 Jan 2022 16:07

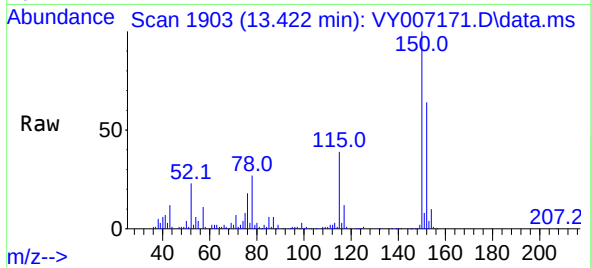
Tgt Ion:	117	Resp:	138750
Ion	Ratio	Lower	Upper
117	100		
82	57.7	45.4	68.0
119	32.4	26.4	39.6



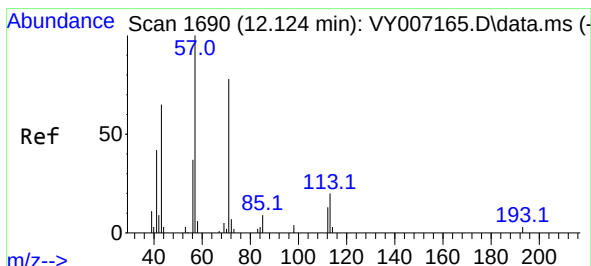
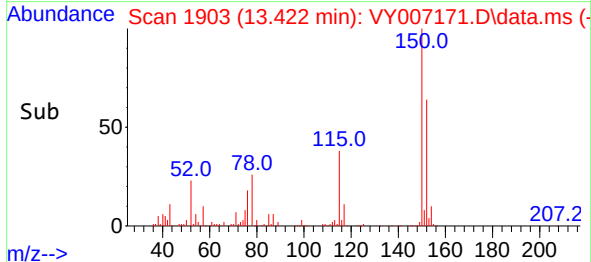
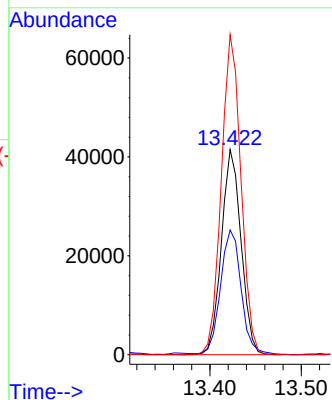


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1904
Delta R.T. -0.006 min
Lab File: VY007171.D
Acq: 14 Jan 2022 16:07

Instrument :
MSVOA_Y
ClientSampleId :

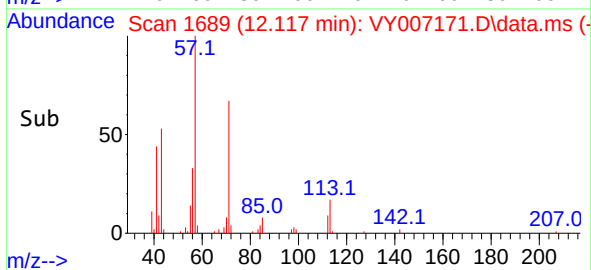
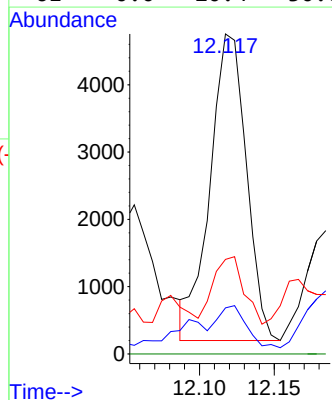
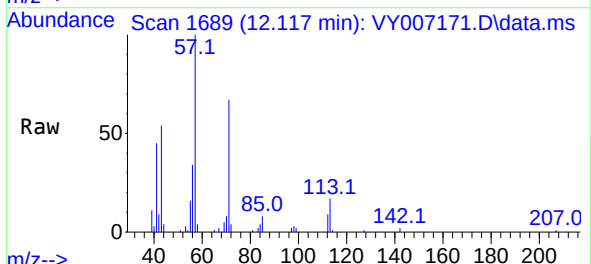


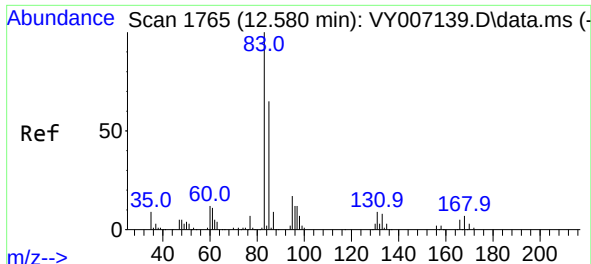
Tgt Ion:152 Resp: 62157
Ion Ratio Lower Upper
152 100
115 63.9 31.4 94.0
150 155.6 0.0 348.4



#74
N-ethyl acetate
Concen: 5.368 ug/l
RT: 12.117 min Scan# 1689
Delta R.T. -0.024 min
Lab File: VY007171.D
Acq: 14 Jan 2022 16:07

Tgt Ion: 43 Resp: 7706
Ion Ratio Lower Upper
43 100
70 10.8 36.2 54.4#
55 18.3 19.0 28.4#
61 0.0 20.4 30.6#

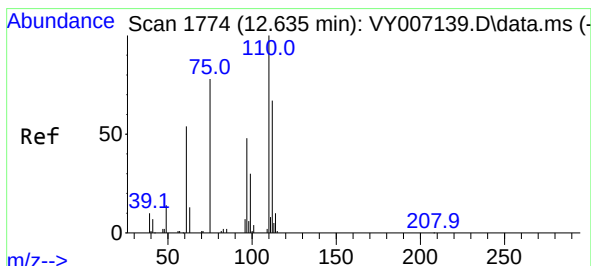
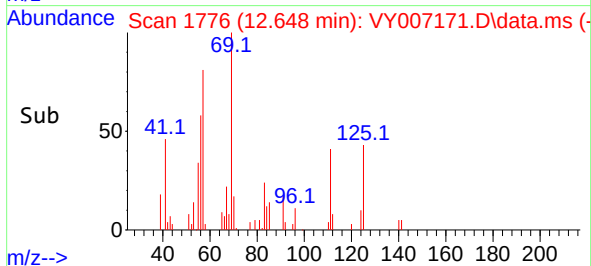
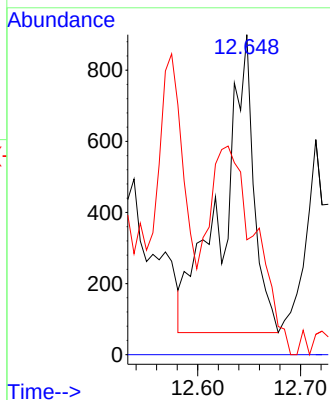
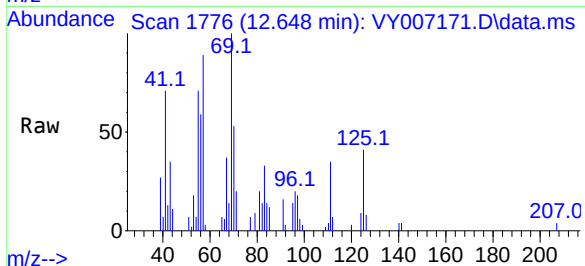




#75
1,1,2,2-Tetrachloroethane
Concen: 1.715 ug/l
RT: 12.648 min Scan# 1765
Delta R.T. 0.067 min
Lab File: VY007171.D
Acq: 14 Jan 2022 16:07

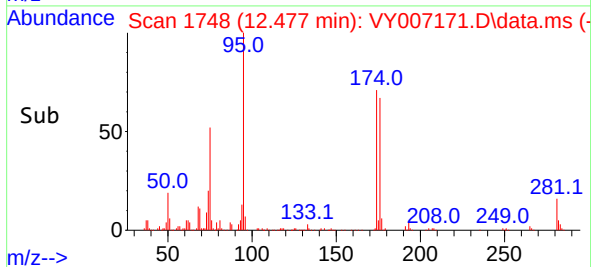
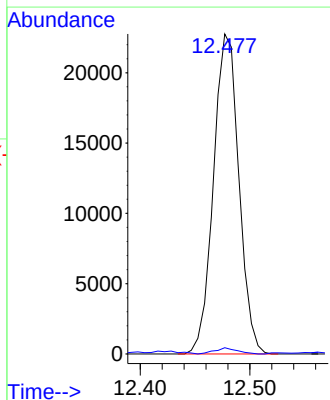
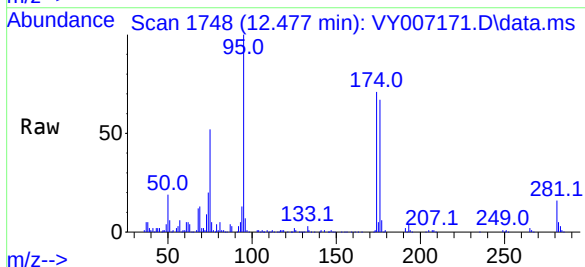
Instrument :
MSVOA_Y
ClientSampleId :

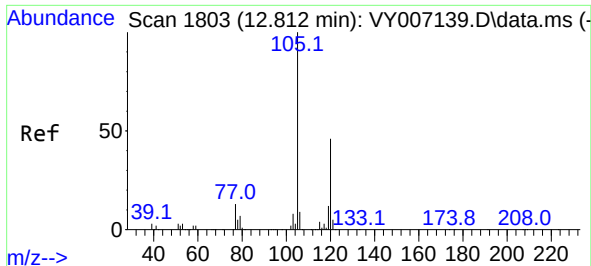
Tgt Ion: 83 Resp: 1790
Ion Ratio Lower Upper
83 100
131 0.0 5.3 16.1#
85 103.2 32.4 97.2#



#76
1,2,3-Trichloropropane
Concen: 51.702 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.158 min
Lab File: VY007171.D
Acq: 14 Jan 2022 16:07

Tgt Ion: 75 Resp: 36644
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#

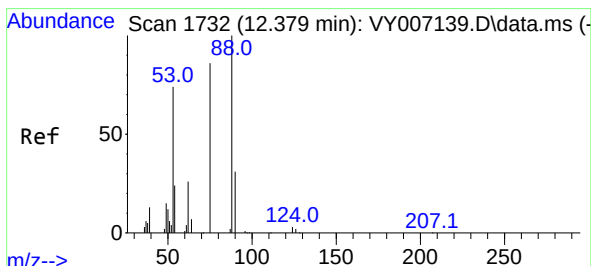
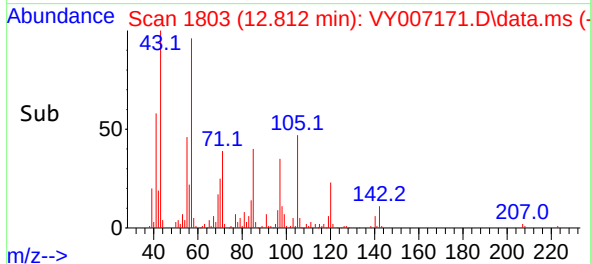
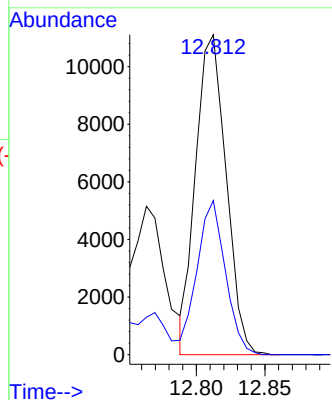
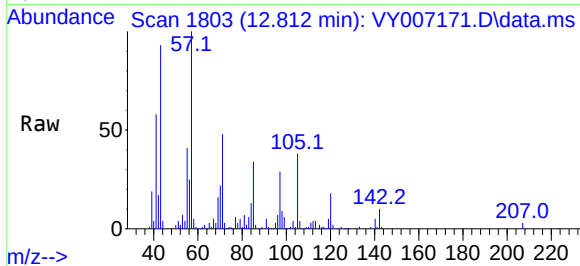




#80
1,3,5-Trimethylbenzene
Concen: 3.893 ug/l
RT: 12.812 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY007171.D
Acq: 14 Jan 2022 16:07

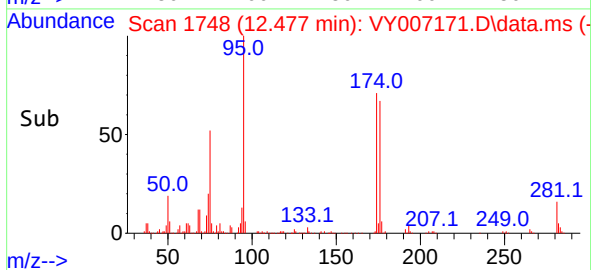
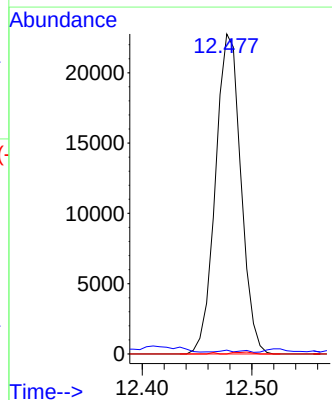
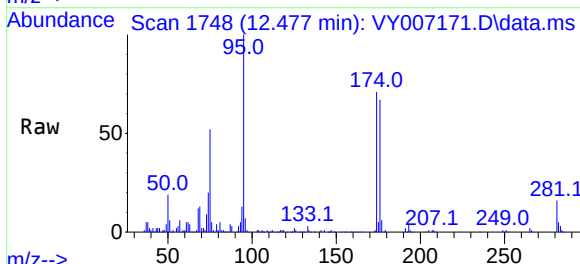
Instrument :
MSVOA_Y
ClientSampleId :

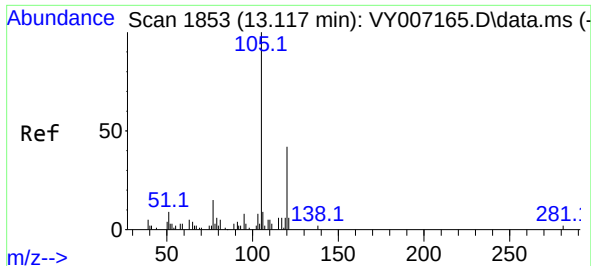
Tgt Ion:105 Resp: 17162
Ion Ratio Lower Upper
105 100
120 45.9 23.7 71.1



#81
trans-1,4-Dichloro-2-butene
Concen: 94.652 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY007171.D
Acq: 14 Jan 2022 16:07

Tgt Ion: 75 Resp: 36644
Ion Ratio Lower Upper
75 100
53 0.2 73.9 110.9#
89 0.1 0.0 0.0#

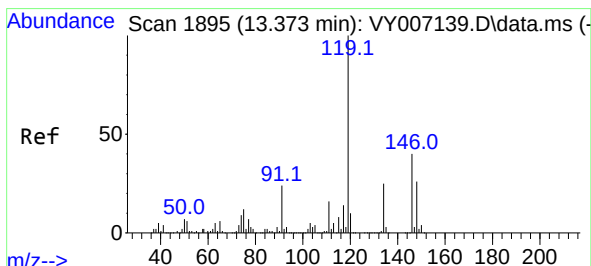
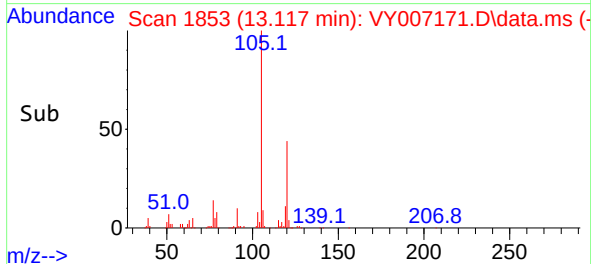
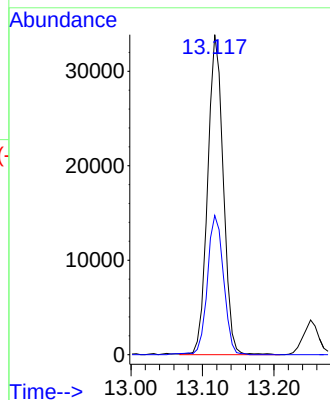
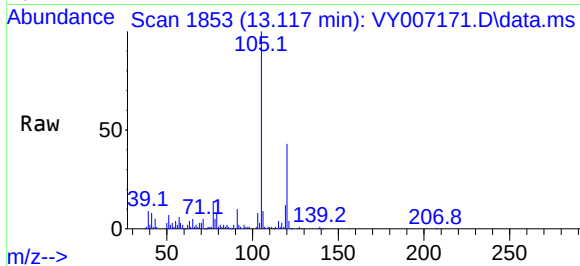




#84
1,2,4-Trimethylbenzene
Concen: 11.737 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. -0.006 min
Lab File: VY007171.D
Acq: 14 Jan 2022 16:07

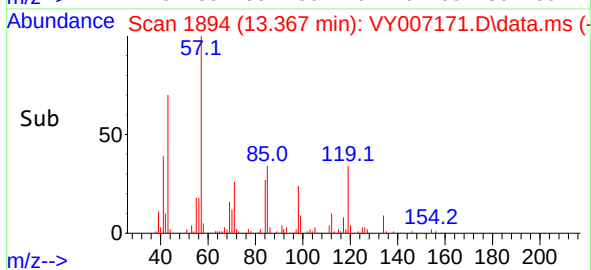
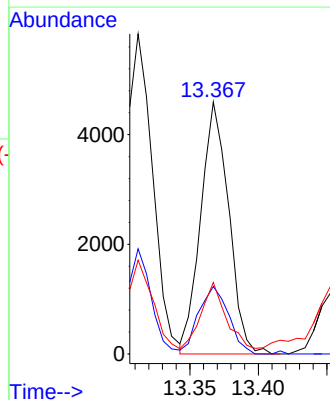
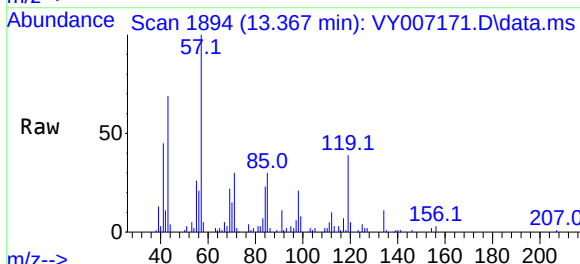
Instrument :
MSVOA_Y
ClientSampleId :

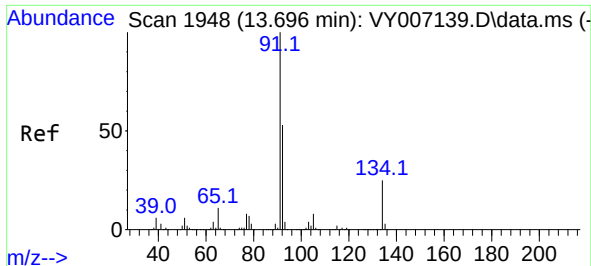
Tgt Ion:105 Resp: 51284
Ion Ratio Lower Upper
105 100
120 45.1 21.6 64.6



#86
p-Isopropyltoluene
Concen: 1.397 ug/l
RT: 13.367 min Scan# 1894
Delta R.T. -0.006 min
Lab File: VY007171.D
Acq: 14 Jan 2022 16:07

Tgt Ion:119 Resp: 6543
Ion Ratio Lower Upper
119 100
134 28.6 12.9 38.7
91 23.0 12.4 37.2

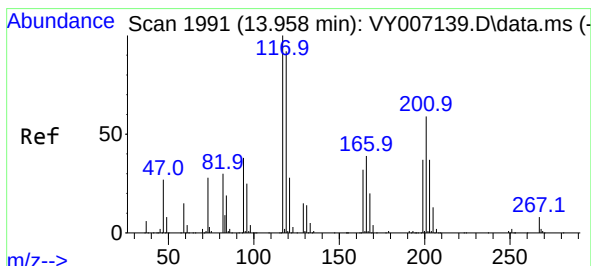
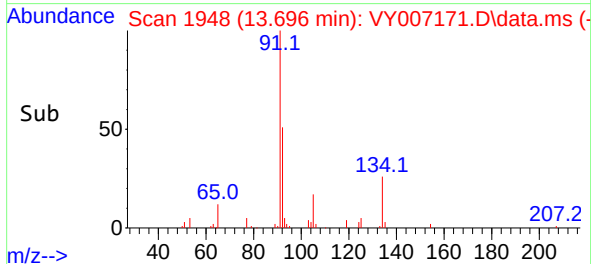
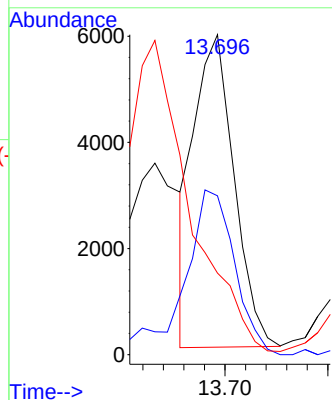
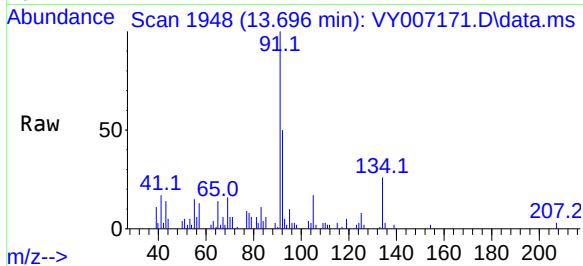




#89
n-Butylbenzene
Concen: 1.730 ug/l
RT: 13.696 min Scan# 1948
Delta R.T. 0.000 min
Lab File: VY007171.D
Acq: 14 Jan 2022 16:07

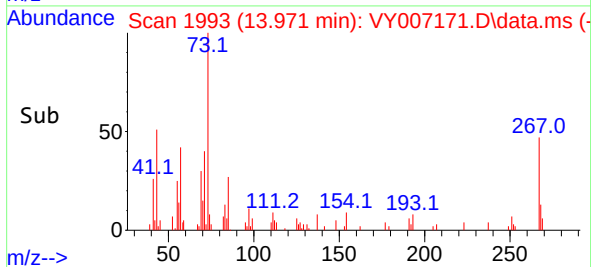
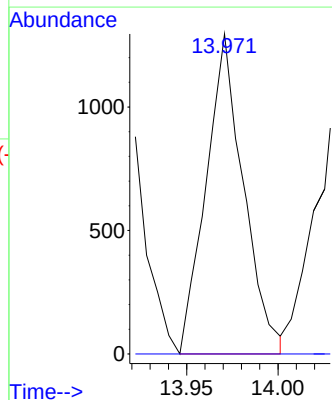
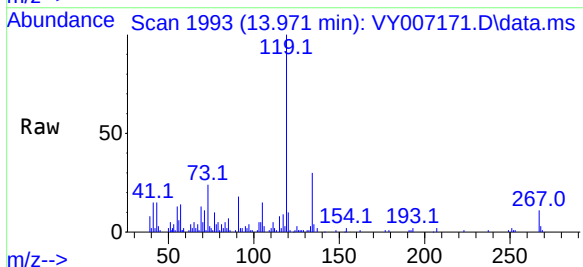
Instrument :
MSVOA_Y
ClientSampleId :

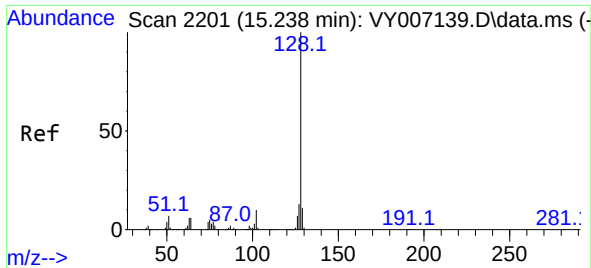
Tgt Ion: 91 Resp: 7977
Ion Ratio Lower Upper
91 100
92 66.0 26.9 80.6
134 0.0 12.6 37.6#



#90
Hexachloroethane
Concen: 2.016 ug/l
RT: 13.971 min Scan# 1993
Delta R.T. 0.012 min
Lab File: VY007171.D
Acq: 14 Jan 2022 16:07

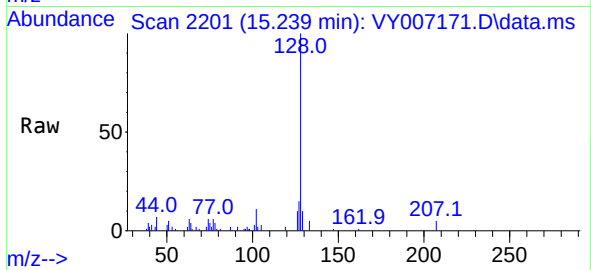
Tgt Ion: 117 Resp: 1846
Ion Ratio Lower Upper
117 100
201 0.0 33.6 100.6#





#95
Naphthalene
Concen: 3.643 ug/l
RT: 15.239 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY007171.D
Acq: 14 Jan 2022 16:07

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:	128	Resp:	9572
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.3	15.5
129	10.4	8.9	13.3

