

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021122\
 Data File : VY007483.D
 Acq On : 11 Feb 2022 17:43
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 12 02:55:38 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020222S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 03 04:36:48 2022
 Response via : Initial Calibration

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

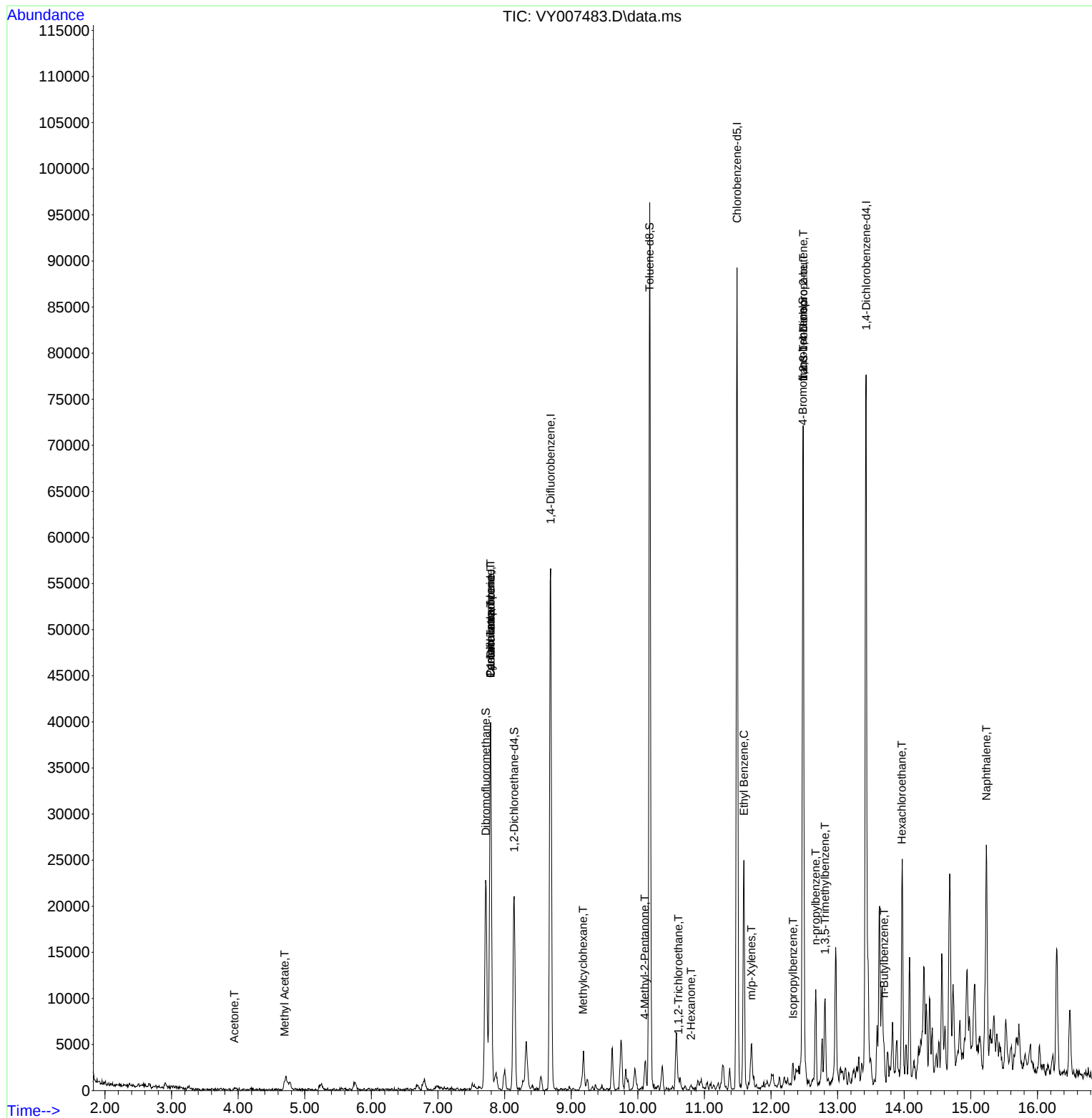
Internal Standards						
1) Pentafluorobenzene	7.789	168	27545	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	48456	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	45186	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	18582	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	16696	52.696	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.400%			
35) Dibromofluoromethane	7.716	113	15683	50.403	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.800%			
50) Toluene-d8	10.179	98	57590	50.097	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 100.200%			
62) 4-Bromofluorobenzene	12.477	95	20473	52.398	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 104.800%			
Target Compounds						Qvalue
3) Chloromethane	2.113	50	20	Below Cal	#	44
16) Acetone	3.942	43	296	2.877	ug/l #	47
18) Methyl Acetate	4.698	43	204	1.058	ug/l #	56
31) Cyclohexane	7.789	56	1171	1.894	ug/l #	62
36) 1,1-Dichloropropene	7.789	75	2219	4.079	ug/l #	48
38) Carbon Tetrachloride	7.789	117	2962	5.183	ug/l #	11
39) Methylcyclohexane	9.179	83	1235	1.808	ug/l #	84
51) 4-Methyl-2-Pentanone	10.106	43	378	1.474	ug/l #	40
55) 1,1,2-Trichloroethane	10.612	97	308	1.109	ug/l #	15
59) 2-Hexanone	10.801	43	304	1.626	ug/l #	28
67) Ethyl Benzene	11.593	91	16691	8.750	ug/l	100
68) m/p-Xylenes	11.703	106	1033	1.462	ug/l	100
73) Isopropylbenzene	12.331	105	1925	1.134	ug/l	91
76) 1,2,3-Trichloropropane	12.483	75	11421	51.701	ug/l #	100
78) n-propylbenzene	12.672	91	8155	3.965	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	3749	2.706	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.483	75	11421	103.578	ug/l #	7
89) n-Butylbenzene	13.696	91	3402	2.399	ug/l #	71
90) Hexachloroethane	13.965	117	1114	4.000	ug/l #	6
95) Naphthalene	15.233	128	17409	23.171	ug/l	97

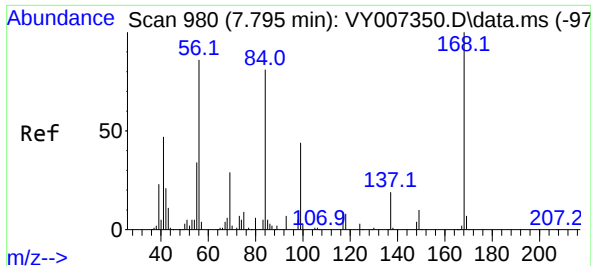
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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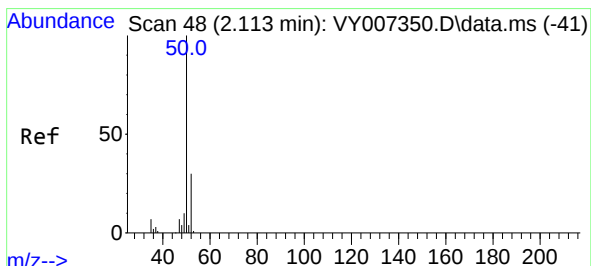
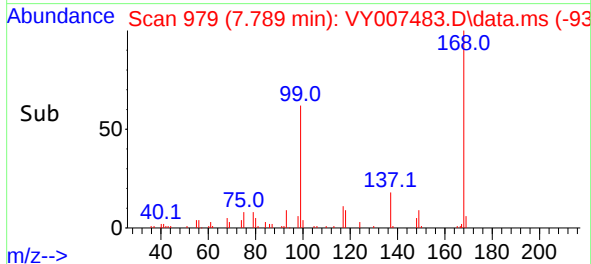
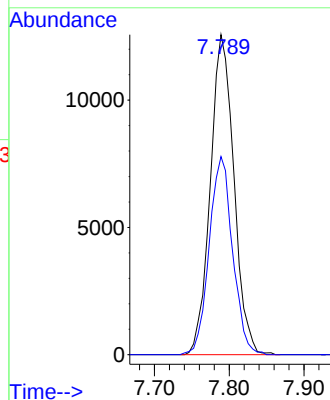
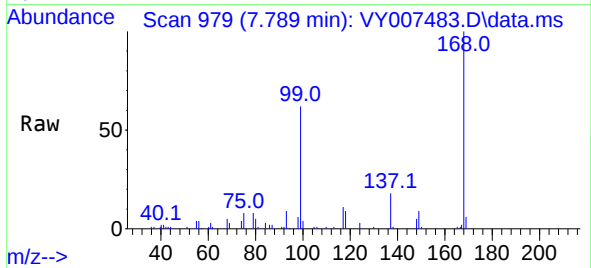




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY007483.D
Acq: 11 Feb 2022 17:43

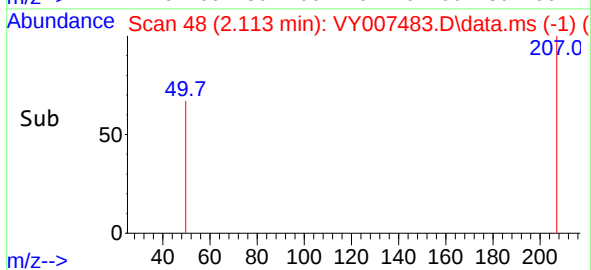
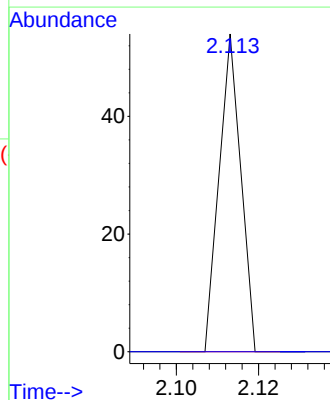
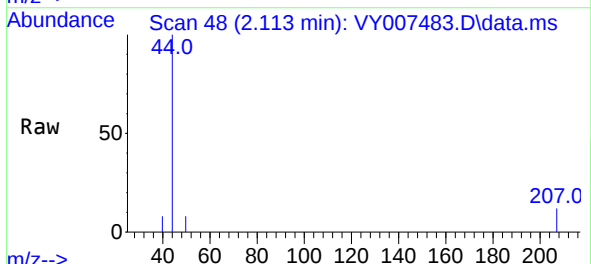
Instrument :
MSVOA_Y
ClientSampleId :

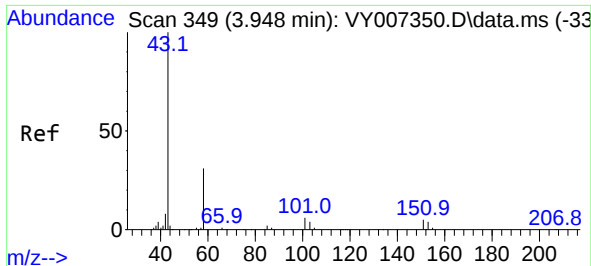
Tgt Ion:168 Resp: 27545
Ion Ratio Lower Upper
168 100
99 61.9 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY007483.D
Acq: 11 Feb 2022 17:43

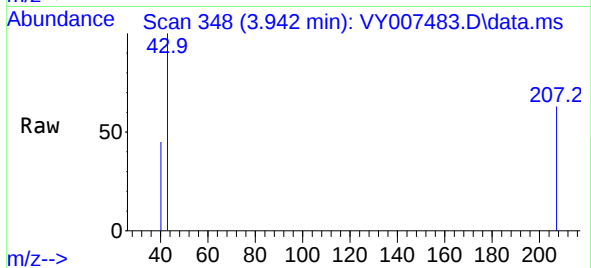
Tgt Ion: 50 Resp: 20
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#



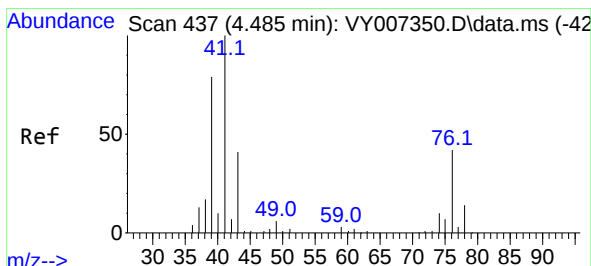
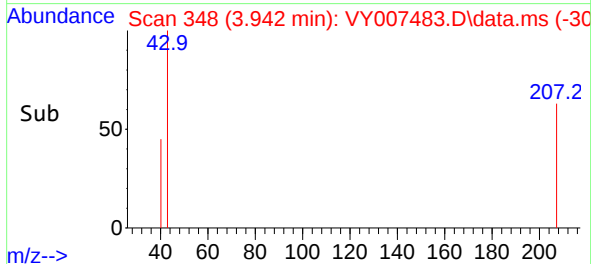
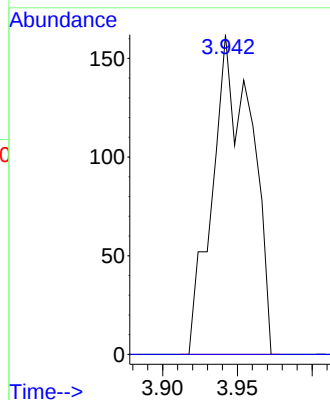


#16
Acetone
Concen: 2.877 ug/l
RT: 3.942 min Scan# 349
Delta R.T. -0.006 min
Lab File: VY007483.D
Acq: 11 Feb 2022 17:43

Instrument :
MSVOA_Y
ClientSampleId :

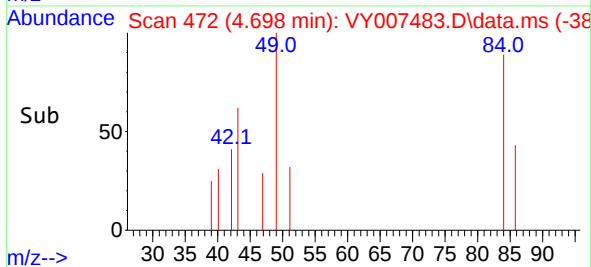
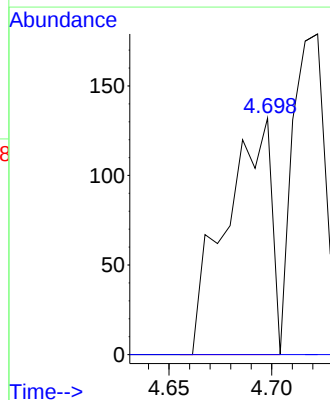
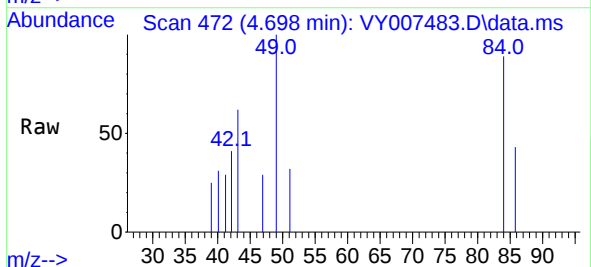


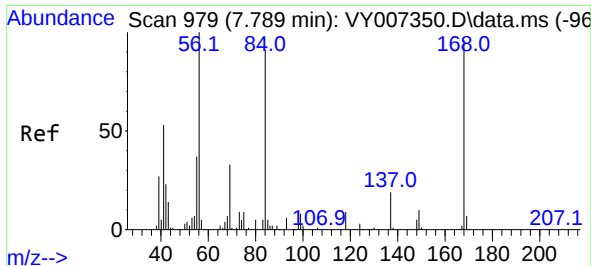
Tgt Ion: 43 Resp: 296
Ion Ratio Lower Upper
43 100
58 0.0 22.0 33.0#



#18
Methyl Acetate
Concen: 1.058 ug/l
RT: 4.698 min Scan# 472
Delta R.T. 0.213 min
Lab File: VY007483.D
Acq: 11 Feb 2022 17:43

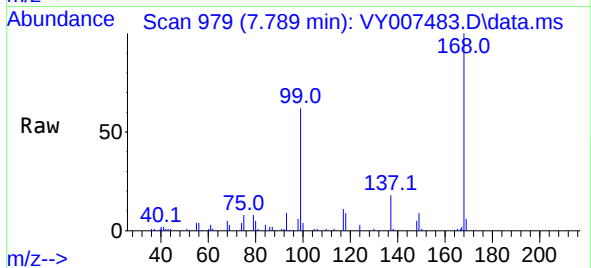
Tgt Ion: 43 Resp: 204
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



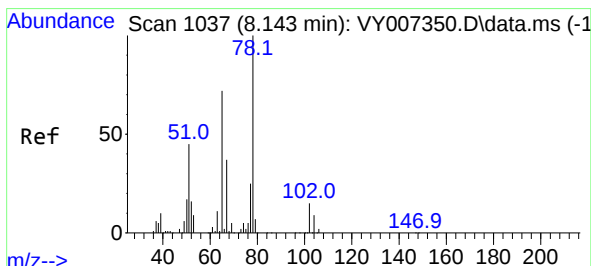
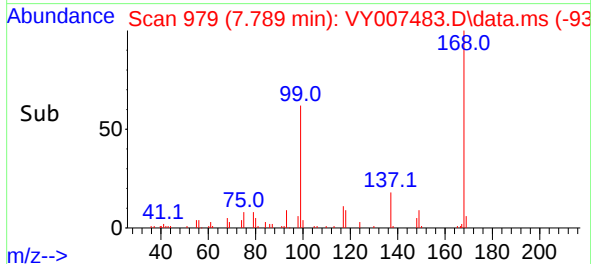
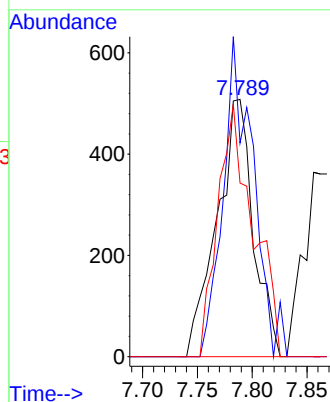


#31
Cyclohexane
Concen: 1.894 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY007483.D
Acq: 11 Feb 2022 17:43

Instrument :
MSVOA_Y
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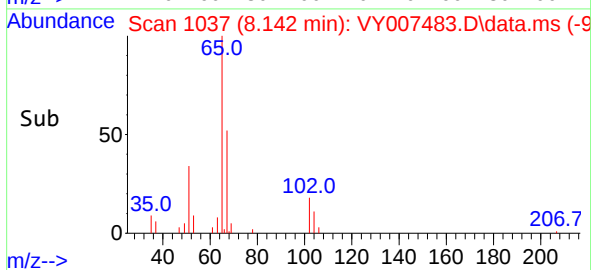
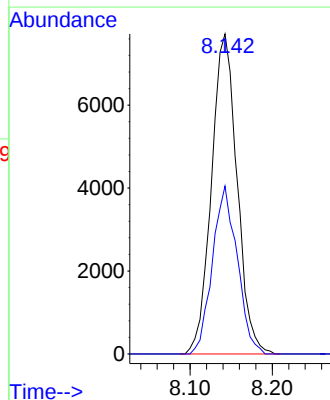
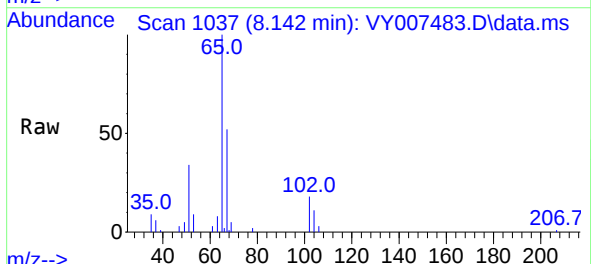


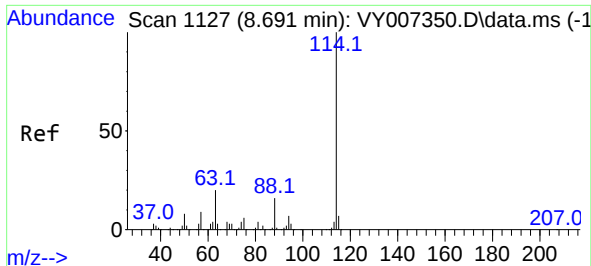
Tgt Ion: 56 Resp: 1171
Ion Ratio Lower Upper
56 100
69 83.1 26.7 40.1#
84 67.5 67.2 100.8



#33
1,2-Dichloroethane-d4
Concen: 52.696 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY007483.D
Acq: 11 Feb 2022 17:43

Tgt Ion: 65 Resp: 16696
Ion Ratio Lower Upper
65 100
67 50.8 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: VY007483.D

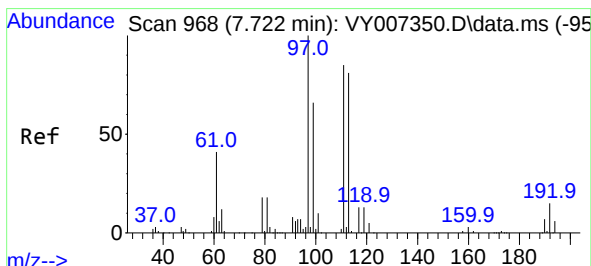
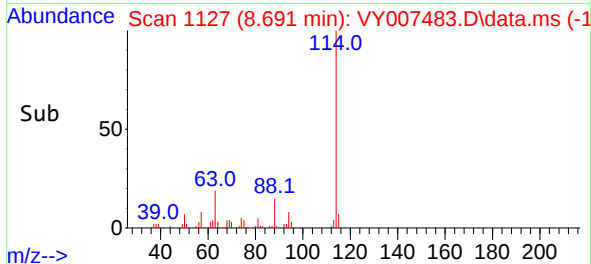
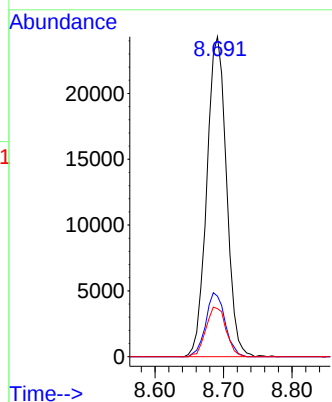
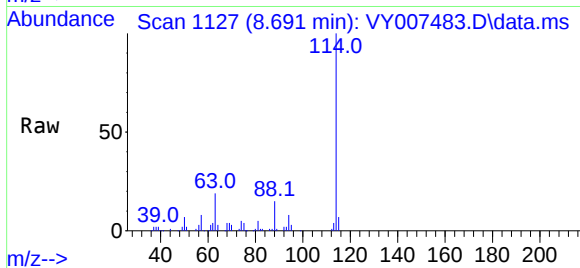
Acq: 11 Feb 2022 17:43

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:	114	Resp:	48456
Ion	Ratio	Lower	Upper
114	100		
63	18.9	0.0	43.2
88	15.0	0.0	31.8



#35

Dibromofluoromethane

Concen: 50.403 ug/l

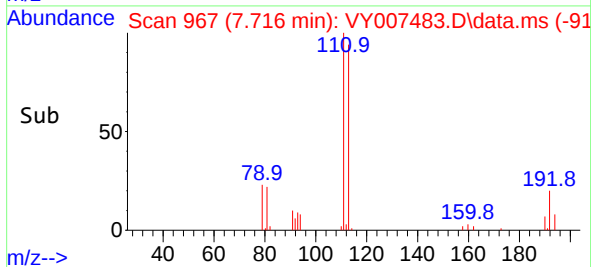
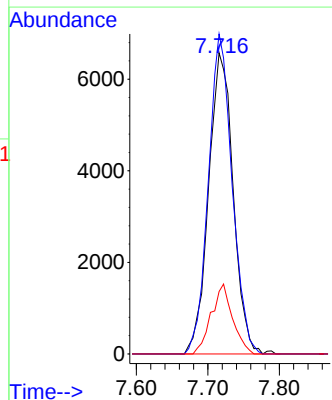
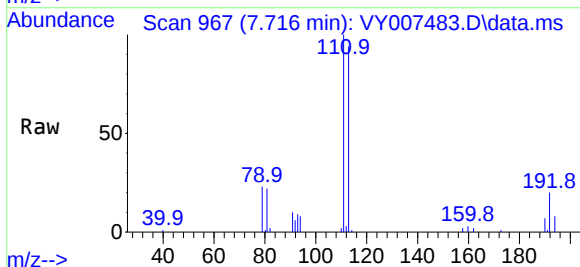
RT: 7.716 min Scan# 967

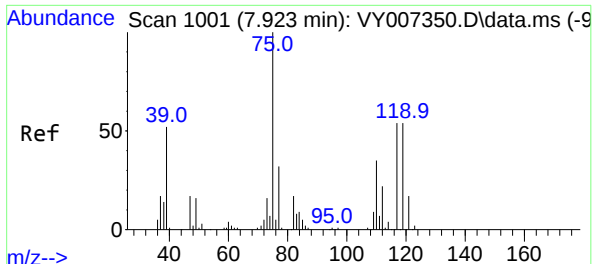
Delta R.T. -0.006 min

Lab File: VY007483.D

Acq: 11 Feb 2022 17:43

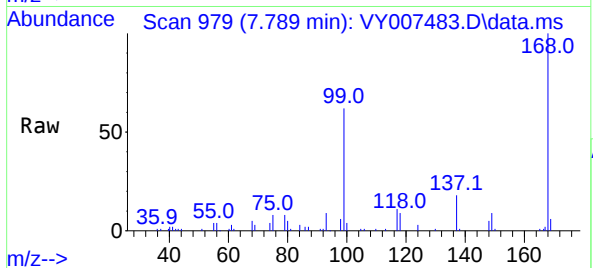
Tgt Ion:	113	Resp:	15683
Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.6	124.0
192	20.1	17.6	26.4



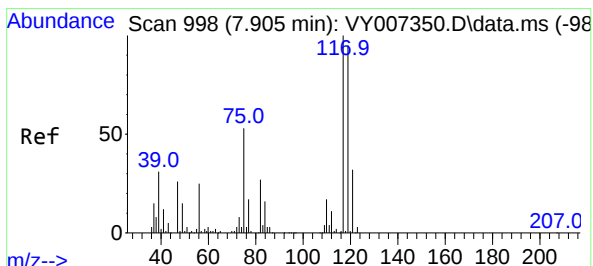
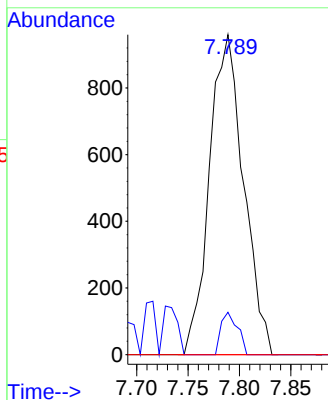
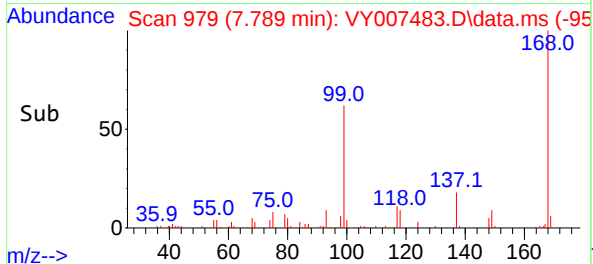


#36
1,1-Dichloropropene
Concen: 4.079 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.134 min
Lab File: VY007483.D
Acq: 11 Feb 2022 17:43

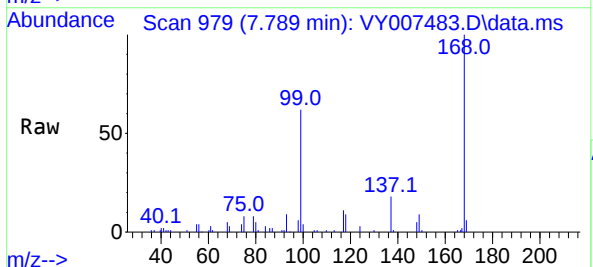
Instrument :
MSVOA_Y
ClientSampleId :



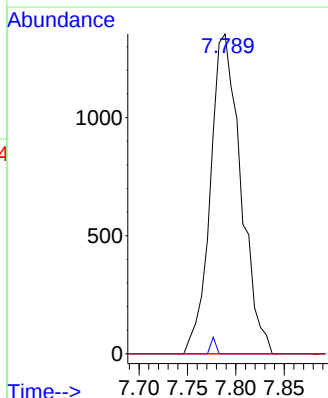
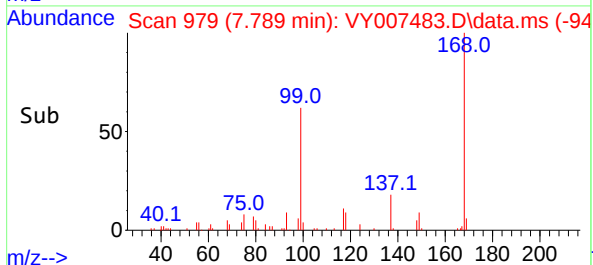
Tgt Ion: 75 Resp: 2219
Ion Ratio Lower Upper
75 100
110 6.4 17.1 51.2#
77 0.0 24.4 36.6#

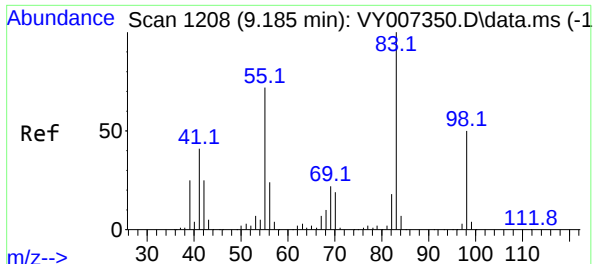


#38
Carbon Tetrachloride
Concen: 5.183 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.116 min
Lab File: VY007483.D
Acq: 11 Feb 2022 17:43



Tgt Ion: 117 Resp: 2962
Ion Ratio Lower Upper
117 100
119 0.0 77.9 116.9#
121 0.0 24.8 37.2#

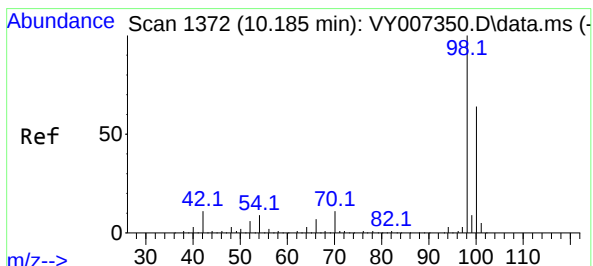
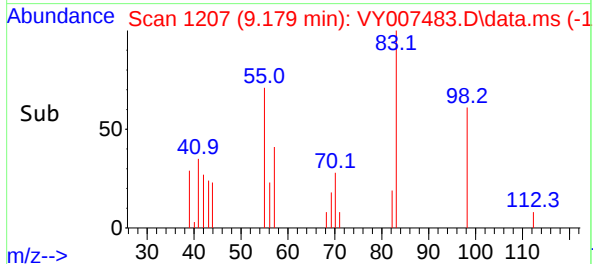
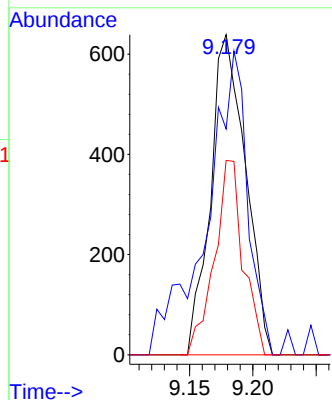
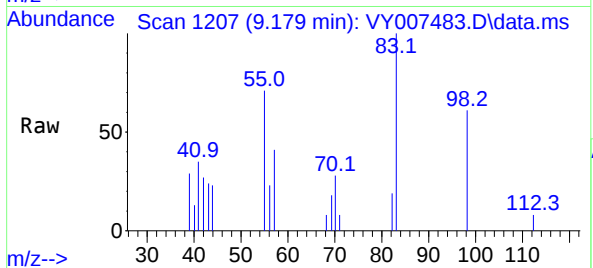




#39
Methylcyclohexane
Concen: 1.808 ug/l
RT: 9.179 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY007483.D
Acq: 11 Feb 2022 17:43

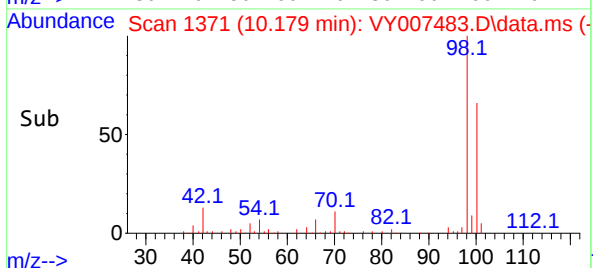
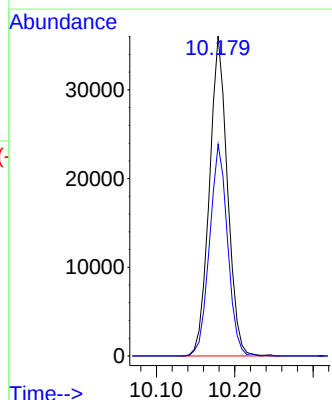
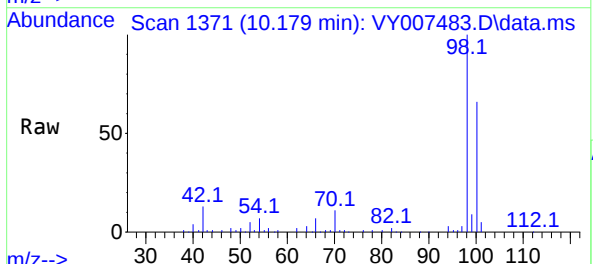
Instrument :
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ClientSampleId :

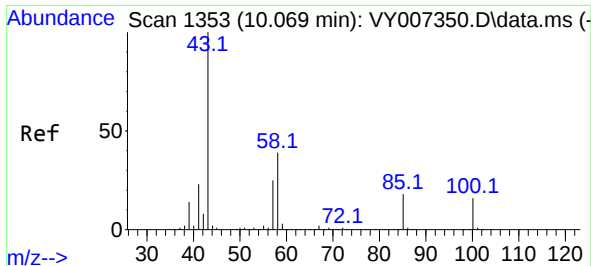
Tgt Ion: 83 Resp: 1235
Ion Ratio Lower Upper
83 100
55 70.6 66.5 99.7
98 60.7 37.9 56.9#



#50
Toluene-d8
Concen: 50.097 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.006 min
Lab File: VY007483.D
Acq: 11 Feb 2022 17:43

Tgt Ion: 98 Resp: 57590
Ion Ratio Lower Upper
98 100
100 66.0 50.2 75.2

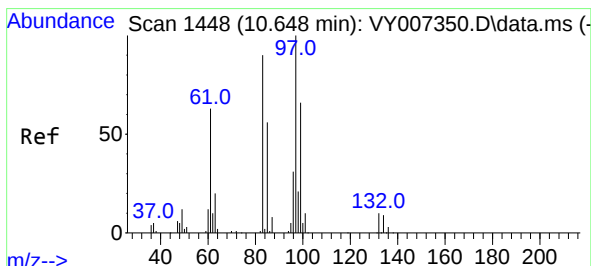
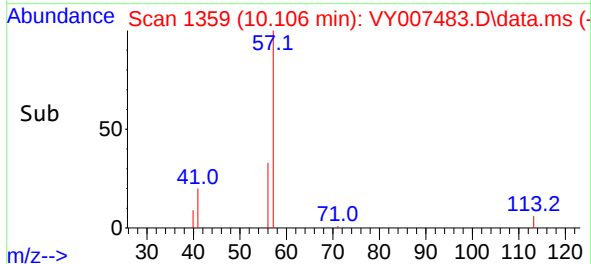
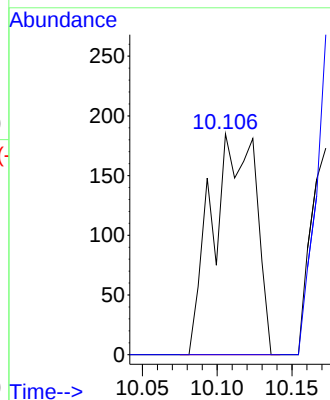
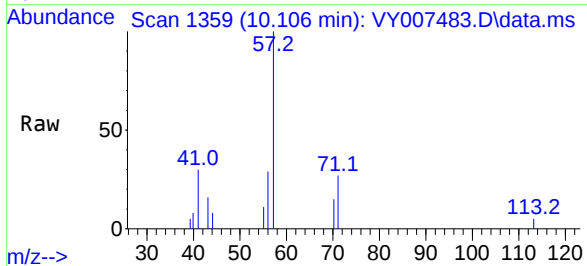




#51
4-Methyl-2-Pentanone
Concen: 1.474 ug/l
RT: 10.106 min Scan# 11
Delta R.T. 0.037 min
Lab File: VY007483.D
Acq: 11 Feb 2022 17:43

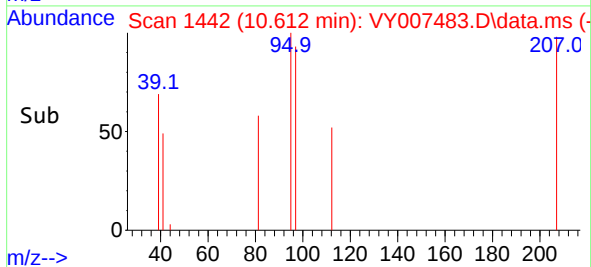
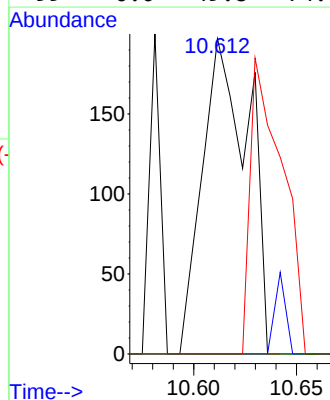
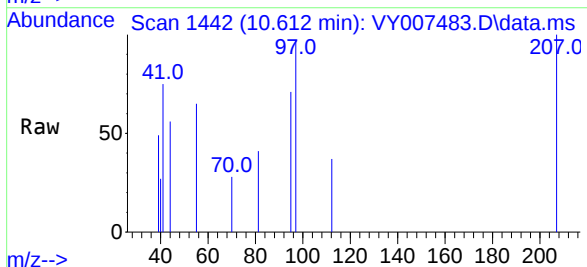
Instrument :
MSVOA_Y
ClientSampleId :

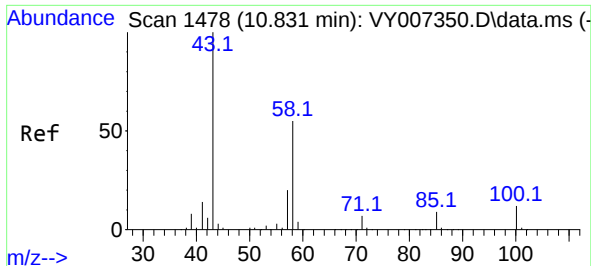
Tgt Ion: 43 Resp: 378
Ion Ratio Lower Upper
43 100
58 0.0 28.1 42.1#



#55
1,1,2-Trichloroethane
Concen: 1.109 ug/l
RT: 10.612 min Scan# 1442
Delta R.T. -0.037 min
Lab File: VY007483.D
Acq: 11 Feb 2022 17:43

Tgt Ion: 97 Resp: 308
Ion Ratio Lower Upper
97 100
83 0.0 69.8 104.8#
85 0.0 44.3 66.5#
99 0.0 49.8 74.6#

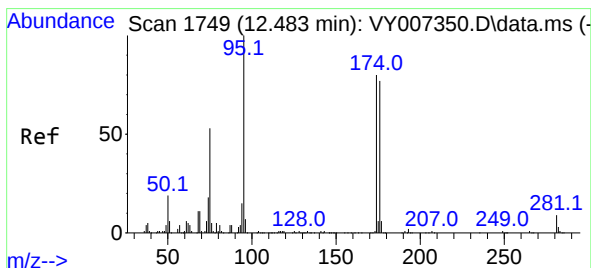
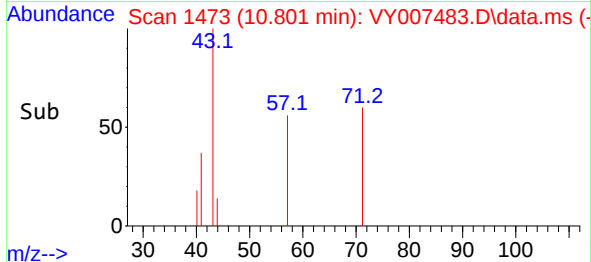
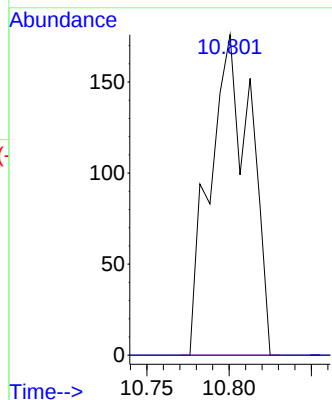
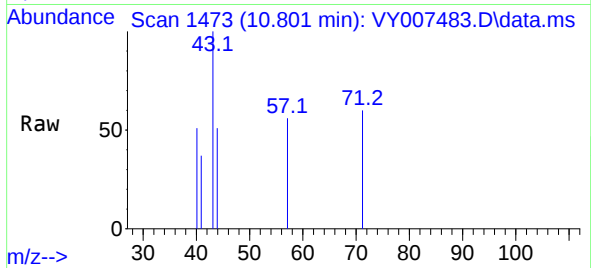




#59
2-Hexanone
Concen: 1.626 ug/l
RT: 10.801 min Scan# 1478
Delta R.T. -0.031 min
Lab File: VY007483.D
Acq: 11 Feb 2022 17:43

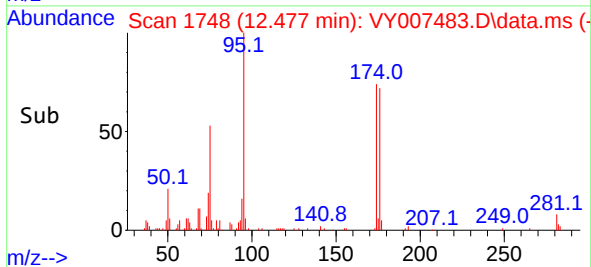
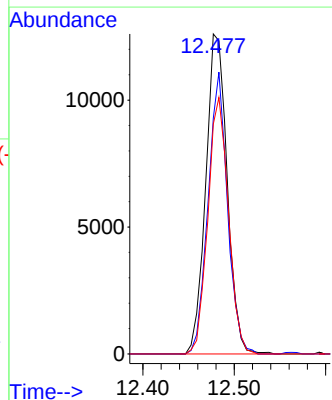
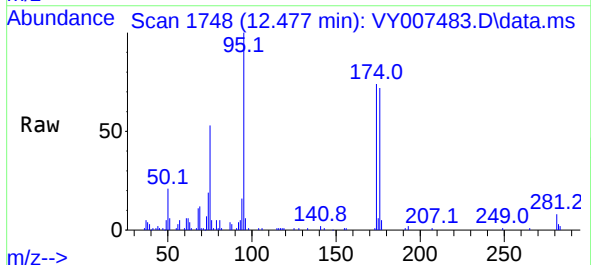
Instrument :
MSVOA_Y
ClientSampleId :

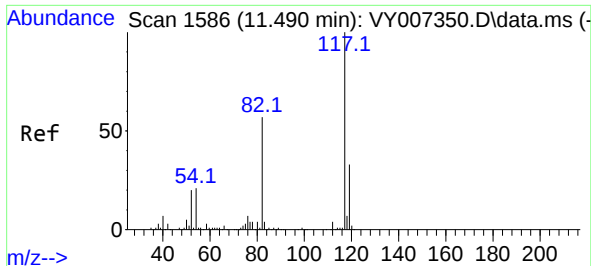
Tgt Ion: 43 Resp: 304
Ion Ratio Lower Upper
43 100
58 0.0 24.4 73.4#



#62
4-Bromofluorobenzene
Concen: 52.398 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY007483.D
Acq: 11 Feb 2022 17:43

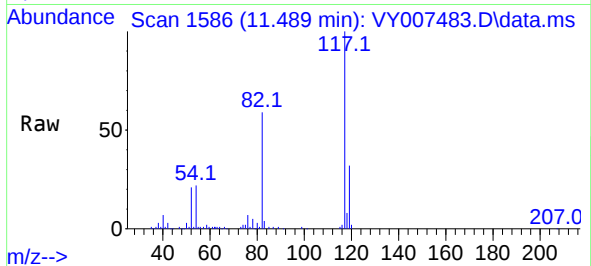
Tgt Ion: 95 Resp: 20473
Ion Ratio Lower Upper
95 100
174 80.0 0.0 177.0
176 77.0 0.0 175.8



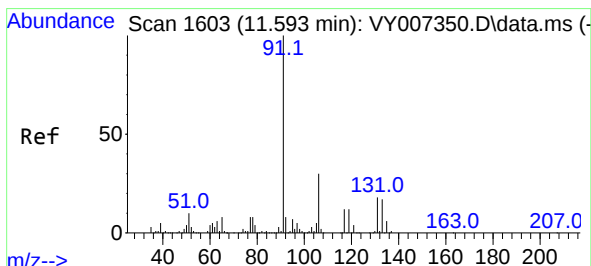
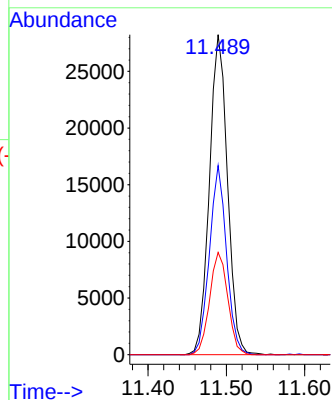
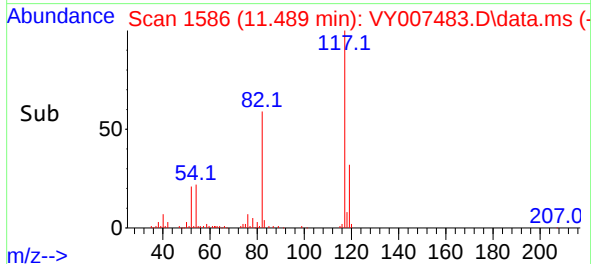


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY007483.D
Acq: 11 Feb 2022 17:43

Instrument :
MSVOA_Y
ClientSampleId :

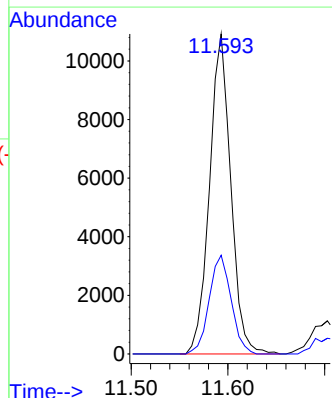
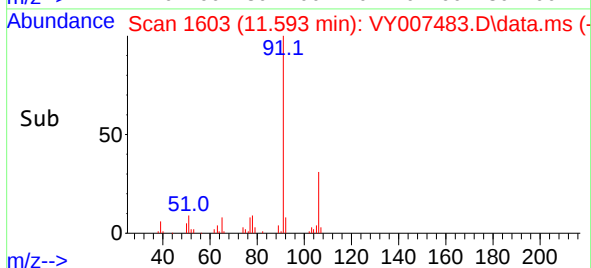
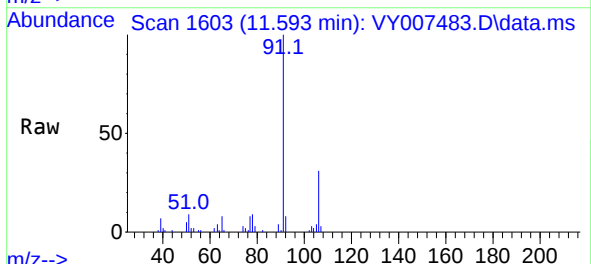


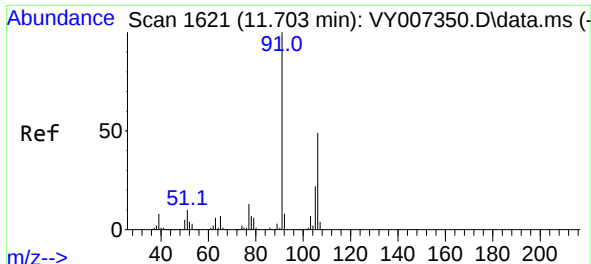
Tgt Ion:	117	Resp:	45186
Ion	Ratio	Lower	Upper
117	100		
82	59.1	43.0	64.4
119	32.0	25.4	38.0



#67
Ethyl Benzene
Concen: 8.750 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. -0.000 min
Lab File: VY007483.D
Acq: 11 Feb 2022 17:43

Tgt Ion:	91	Resp:	16691
Ion	Ratio	Lower	Upper
91	100		
106	30.9	24.5	36.7

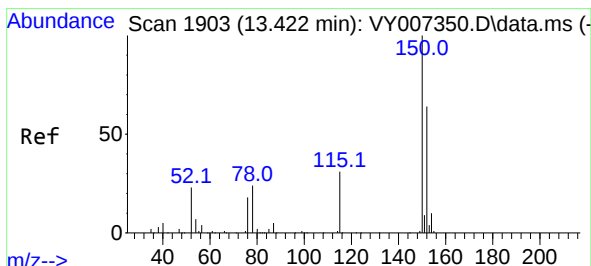
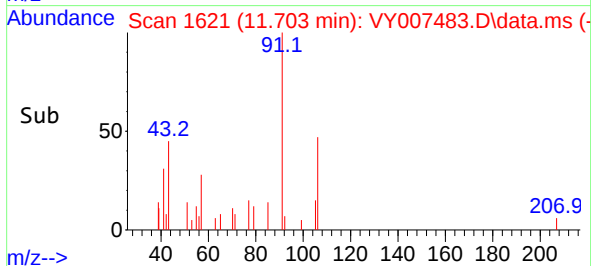
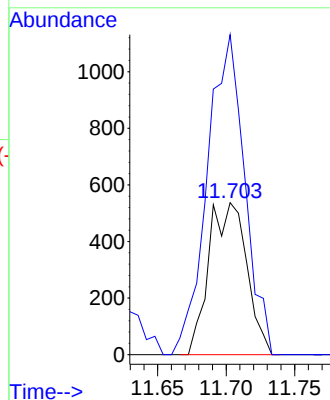
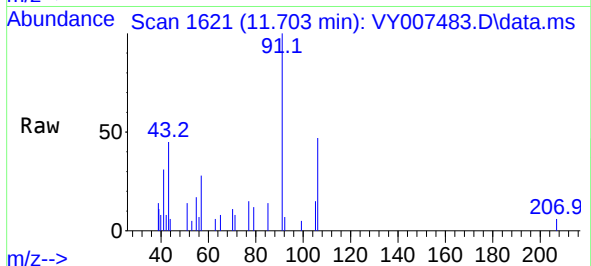




#68
m/p-Xylenes
Concen: 1.462 ug/l
RT: 11.703 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY007483.D
Acq: 11 Feb 2022 17:43

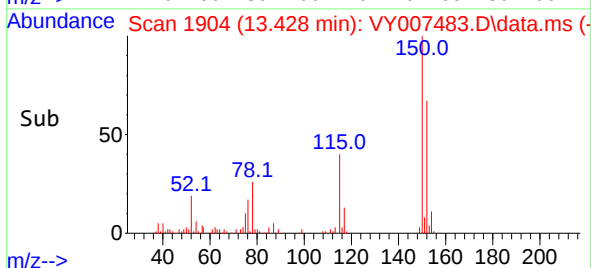
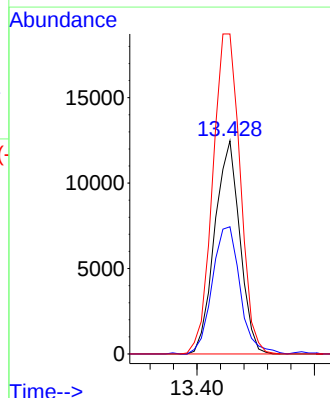
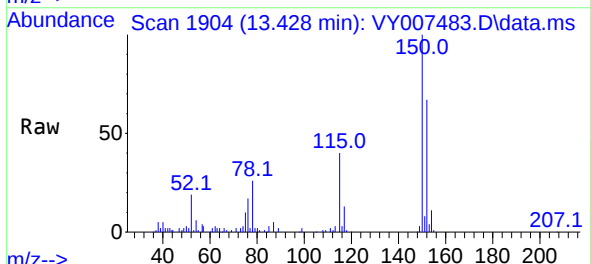
Instrument :
MSVOA_Y
ClientSampleId :

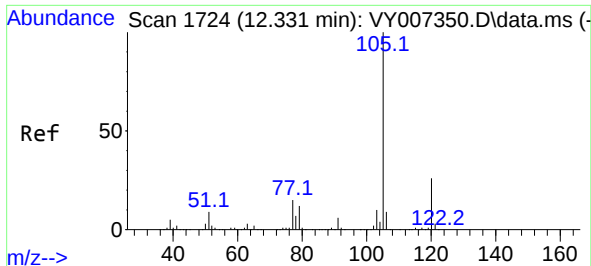
Tgt Ion:106 Resp: 1033
Ion Ratio Lower Upper
106 100
91 207.9 166.6 249.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY007483.D
Acq: 11 Feb 2022 17:43

Tgt Ion:152 Resp: 18582
Ion Ratio Lower Upper
152 100
115 66.2 28.2 84.7
150 163.0 0.0 347.6

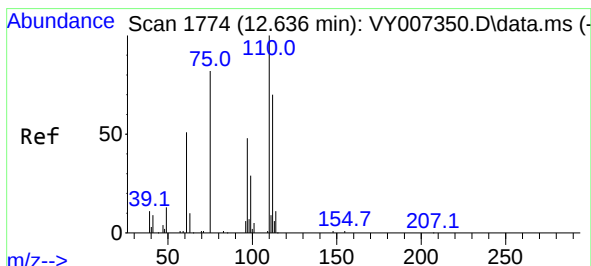
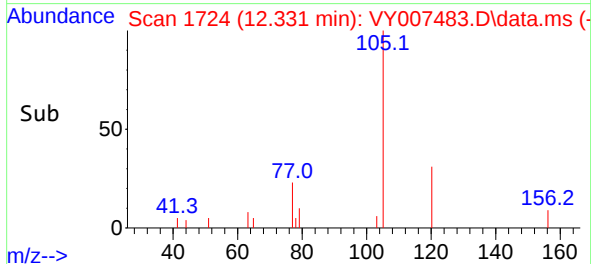
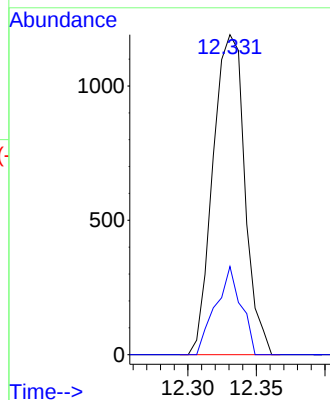
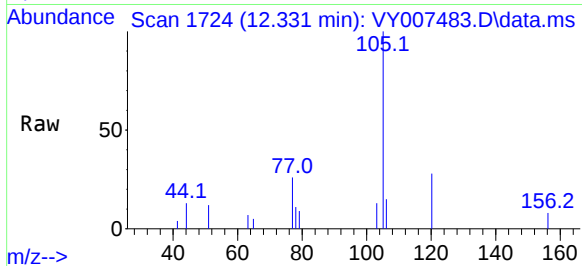




#73
Isopropylbenzene
Concen: 1.134 ug/l
RT: 12.331 min Scan# 1724
Delta R.T. -0.000 min
Lab File: VY007483.D
Acq: 11 Feb 2022 17:43

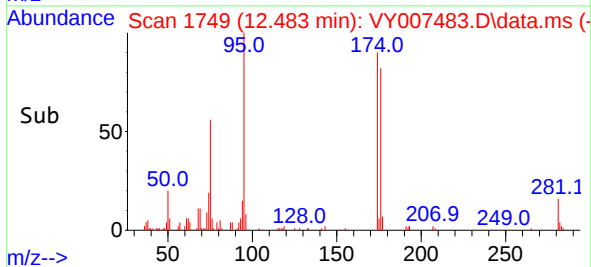
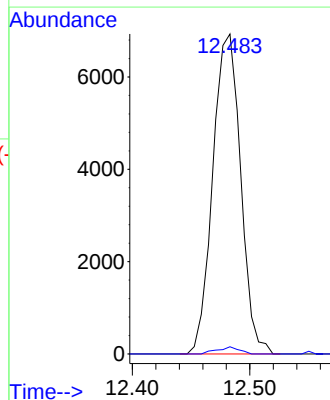
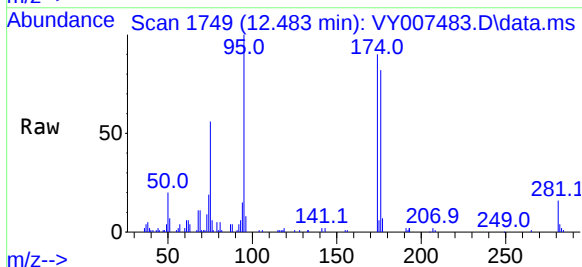
Instrument :
MSVOA_Y
ClientSampleId :

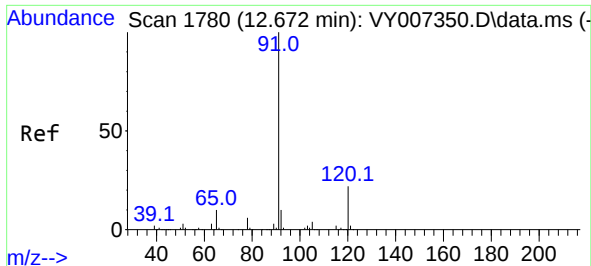
Tgt Ion:105 Resp: 1925
Ion Ratio Lower Upper
105 100
120 22.0 13.4 40.2



#76
1,2,3-Trichloropropane
Concen: 51.701 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY007483.D
Acq: 11 Feb 2022 17:43

Tgt Ion: 75 Resp: 11421
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#

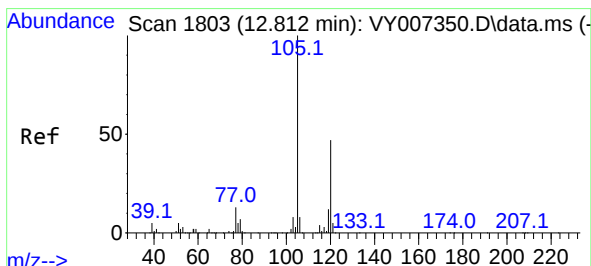
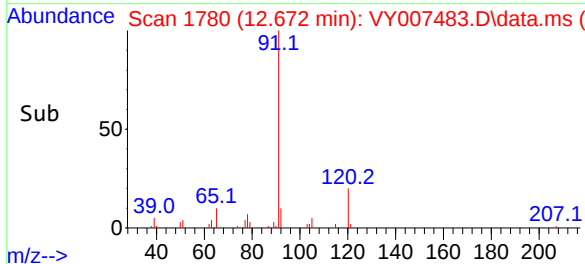
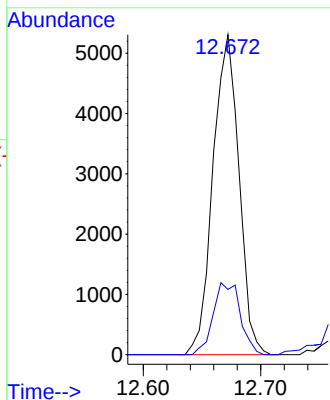
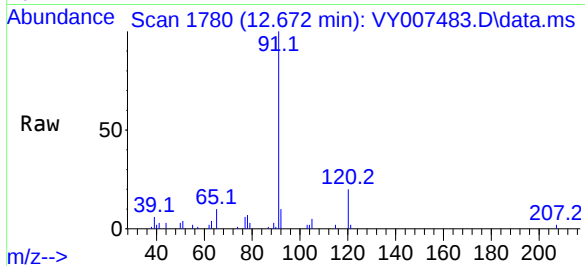




#78
n-propylbenzene
Concen: 3.965 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. -0.000 min
Lab File: VY007483.D
Acq: 11 Feb 2022 17:43

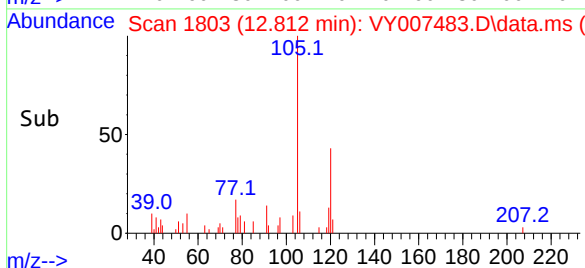
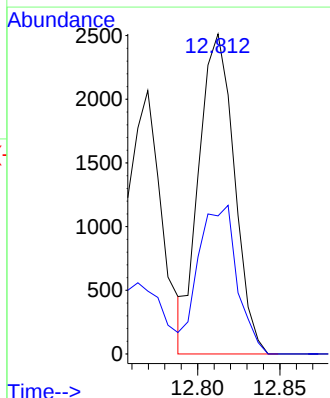
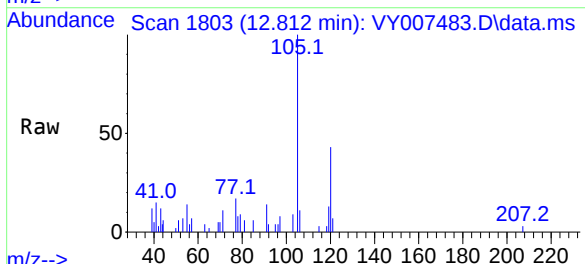
Instrument :
MSVOA_Y
ClientSampleId :

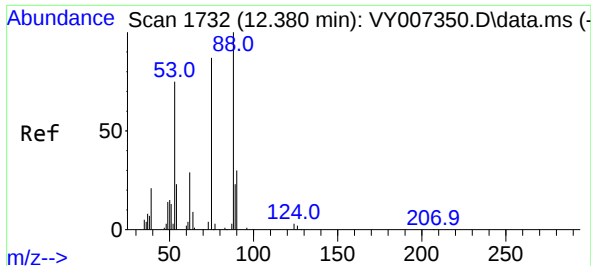
Tgt Ion: 91 Resp: 8155
Ion Ratio Lower Upper
91 100
120 23.4 11.3 33.9



#80
1,3,5-Trimethylbenzene
Concen: 2.706 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. -0.000 min
Lab File: VY007483.D
Acq: 11 Feb 2022 17:43

Tgt Ion: 105 Resp: 3749
Ion Ratio Lower Upper
105 100
120 50.9 24.4 73.4

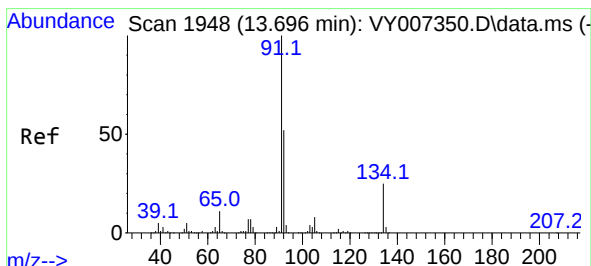
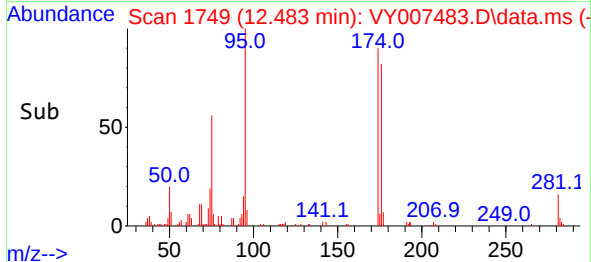
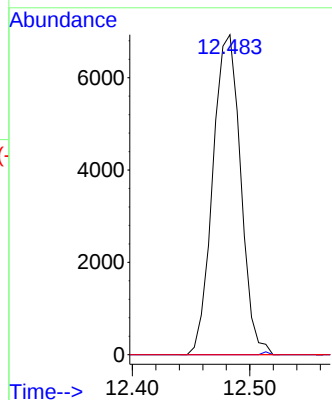
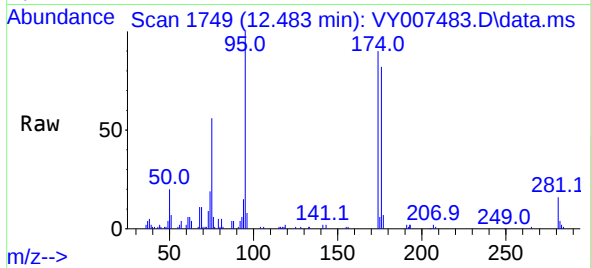




#81
trans-1,4-Dichloro-2-butene
Concen: 103.578 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY007483.D
Acq: 11 Feb 2022 17:43

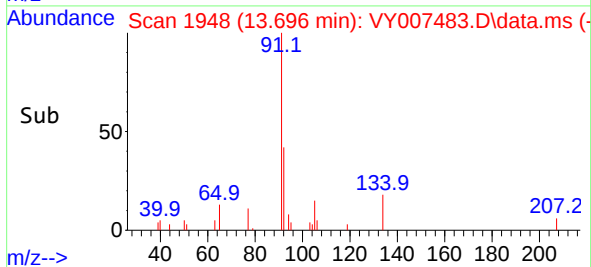
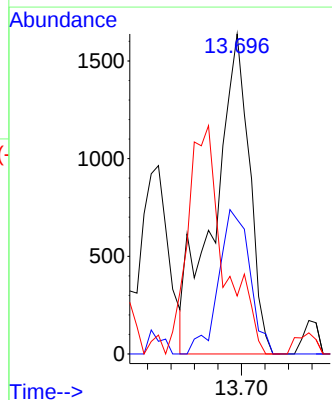
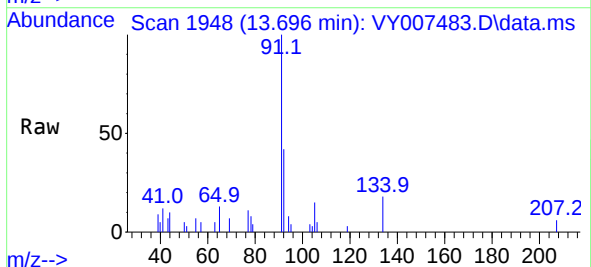
Instrument :
MSVOA_Y
ClientSampleId :

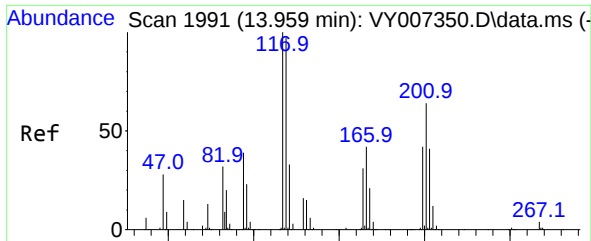
Tgt Ion: 75 Resp: 11421
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#



#89
n-Butylbenzene
Concen: 2.399 ug/l
RT: 13.696 min Scan# 1948
Delta R.T. -0.000 min
Lab File: VY007483.D
Acq: 11 Feb 2022 17:43

Tgt Ion: 91 Resp: 3402
Ion Ratio Lower Upper
91 100
92 40.0 26.3 78.9
134 0.0 13.0 38.9#

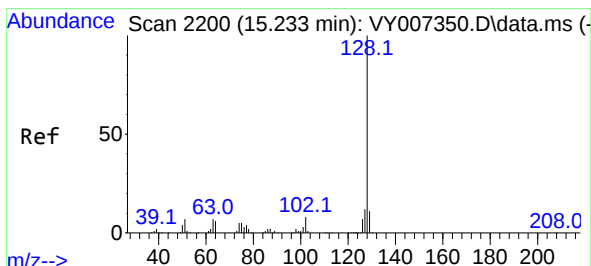
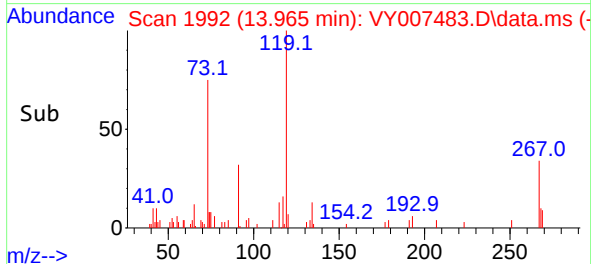
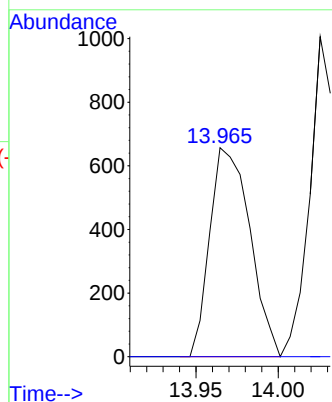
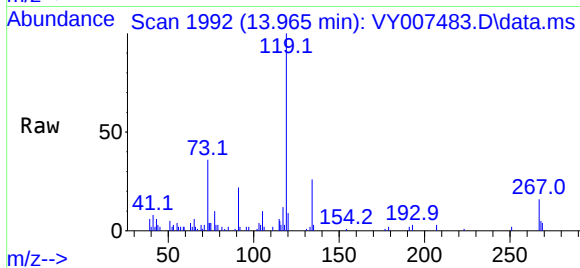




#90
Hexachloroethane
Concen: 4.000 ug/l
RT: 13.965 min Scan# 1991
Delta R.T. 0.006 min
Lab File: VY007483.D
Acq: 11 Feb 2022 17:43

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:117 Resp: 1114
Ion Ratio Lower Upper
117 100
201 0.0 43.0 128.8#



#95
Naphthalene
Concen: 23.171 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.000 min
Lab File: VY007483.D
Acq: 11 Feb 2022 17:43

Tgt Ion:128 Resp: 17409
Ion Ratio Lower Upper
128 100
127 15.4 11.0 16.4
129 11.1 8.4 12.6

