

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092721\
 Data File : VY006159.D
 Acq On : 27 Sep 2021 13:39
 Operator : SY/MD
 Sample : M3875-11
 Misc : 4.20G/5ML/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 20883

Quant Time: Sep 28 06:19:50 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091421S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 15 05:01:47 2021
 Response via : Initial Calibration

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

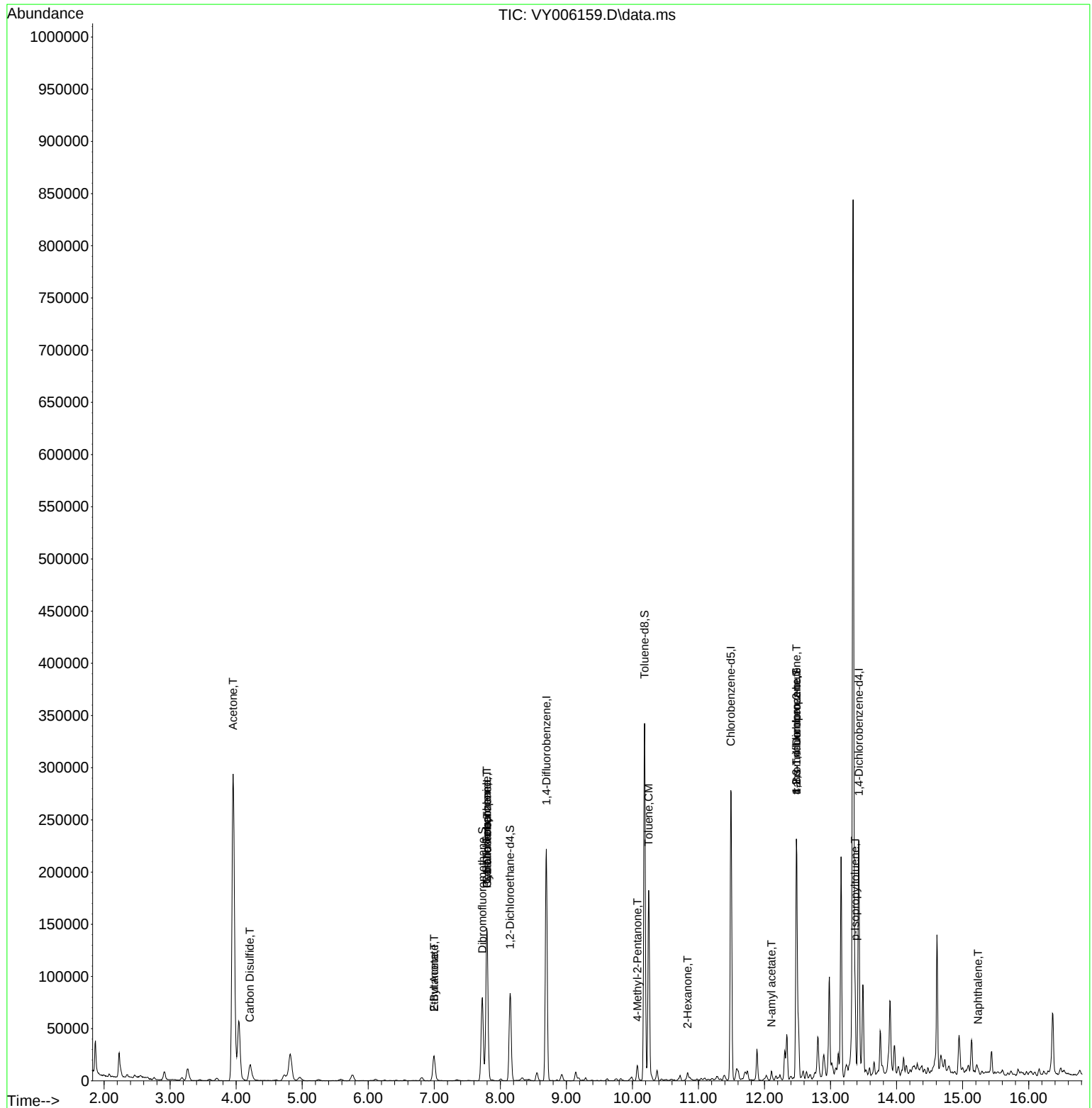
Internal Standards						
1) Pentafluorobenzene	7.801	168	116459	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	182147	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	148786	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	54524	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	70524	43.596	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	87.200%
35) Dibromofluoromethane	7.728	113	53717	47.481	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	94.960%
50) Toluene-d8	10.185	98	219443	45.510	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	91.020%
62) 4-Bromofluorobenzene	12.483	95	57260	34.977	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	69.960%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.954	59	6831	Below Cal		99
16) Acetone	3.954	43	526339	1186.258	ug/l	96
17) Carbon Disulfide	4.204	76	5178	1.333	ug/l #	94
20) Methylene Chloride	4.734	84	3620	Below Cal		84
25) 2-Butanone	6.996	43	39619	64.786	ug/l	97
31) Cyclohexane	7.801	56	3154	1.217	ug/l #	51
36) 1,1-Dichloropropene	7.795	75	8513	4.330	ug/l #	51
37) Ethyl Acetate	6.996	43	39619	29.172	ug/l #	72
38) Carbon Tetrachloride	7.795	117	10893	5.090	ug/l #	15
51) 4-Methyl-2-Pentanone	10.075	43	9957	7.383	ug/l	97
52) Toluene	10.245	92	72360	20.828	ug/l	99
59) 2-Hexanone	10.837	43	5038	5.411	ug/l	94
74) N-amyl acetate	12.105	43	4782	3.243	ug/l #	58
76) 1,2,3-Trichloropropane	12.483	75	32865	56.534	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	32865	103.939	ug/l #	7
86) p-Isopropyltoluene	13.373	119	45990	11.882	ug/l #	76
95) Naphthalene	15.232	128	3981	1.827	ug/l #	96

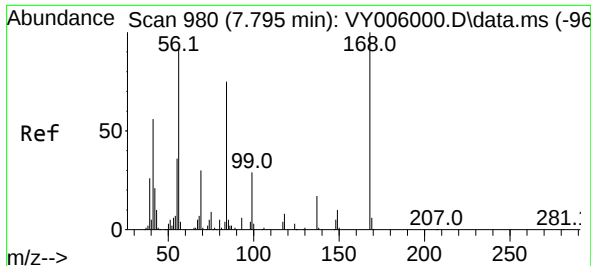
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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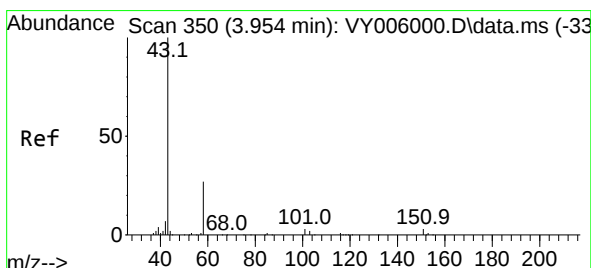
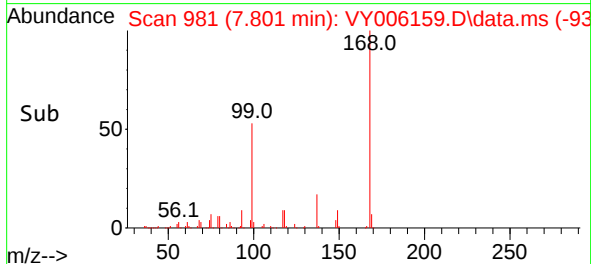
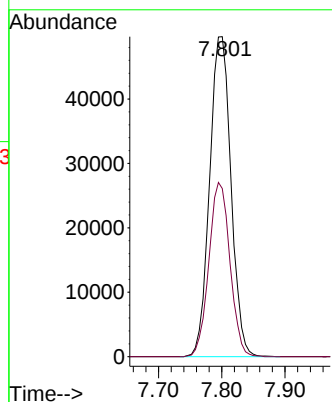
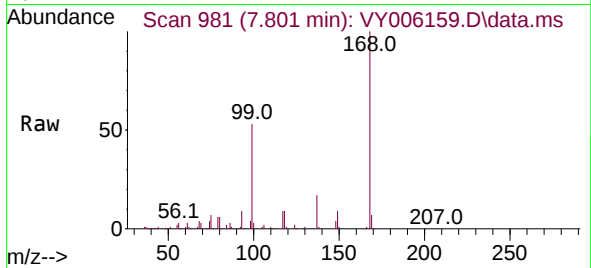




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY006159.D
Acq: 27 Sep 2021 13:39

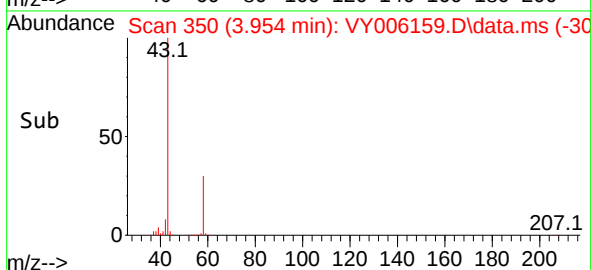
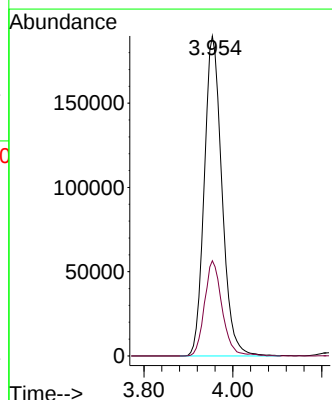
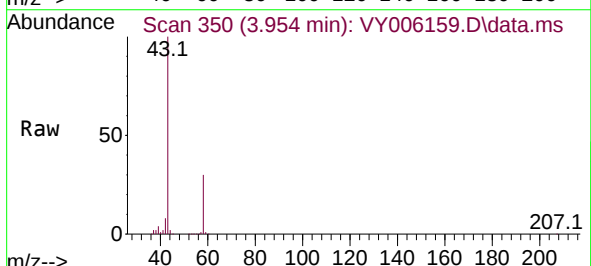
Instrument :
MSVOA_Y
ClientSampleId :
20883

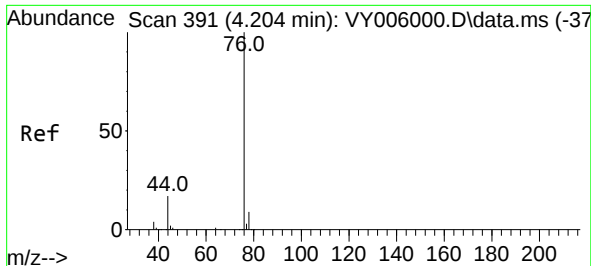
Tgt Ion:168 Resp: 116459
Ion Ratio Lower Upper
168 100
99 52.5 46.9 70.3



#16
Acetone
Concen: 1186.258 ug/l
RT: 3.954 min Scan# 350
Delta R.T. -0.000 min
Lab File: VY006159.D
Acq: 27 Sep 2021 13:39

Tgt Ion: 43 Resp: 526339
Ion Ratio Lower Upper
43 100
58 29.8 22.0 33.0

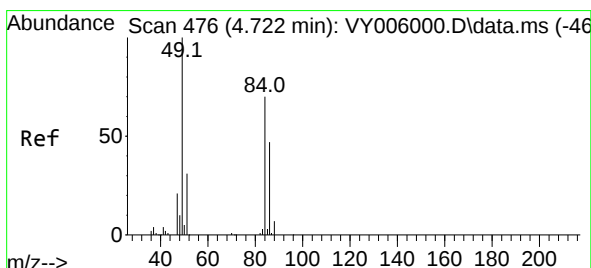
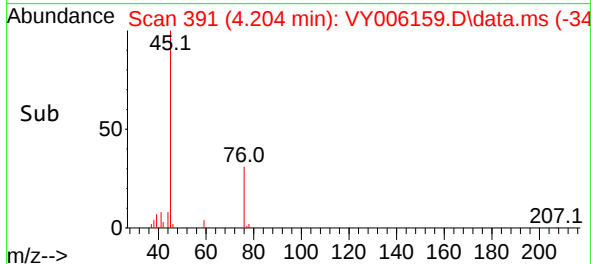
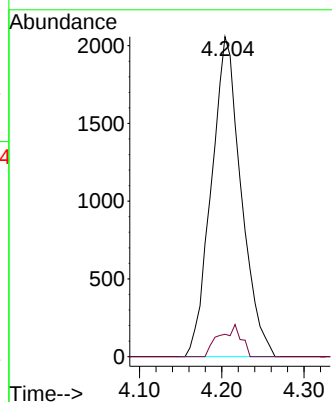
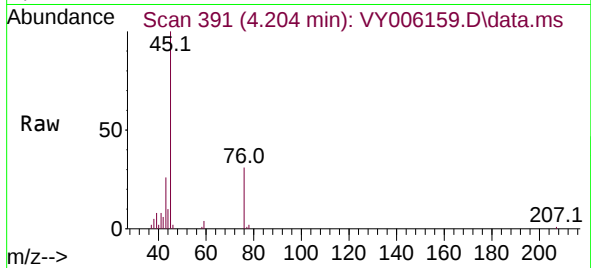




#17
Carbon Disulfide
Concen: 1.333 ug/l
RT: 4.204 min Scan# 391
Delta R.T. -0.000 min
Lab File: VY006159.D
Acq: 27 Sep 2021 13:39

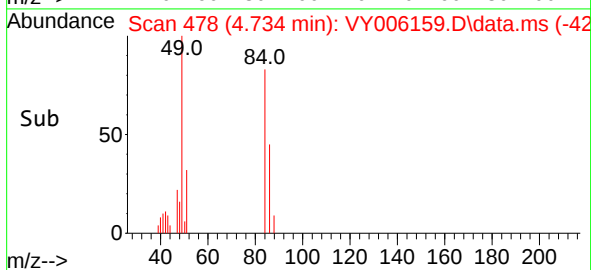
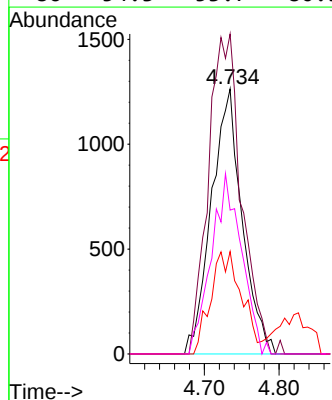
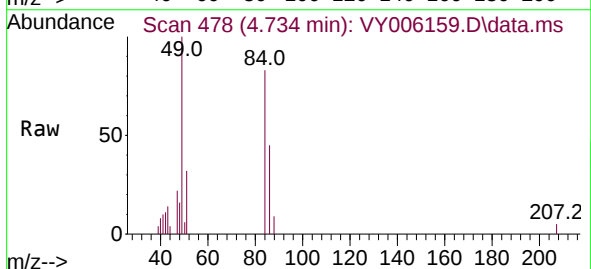
Instrument :
MSVOA_Y
ClientSampleId :
20883

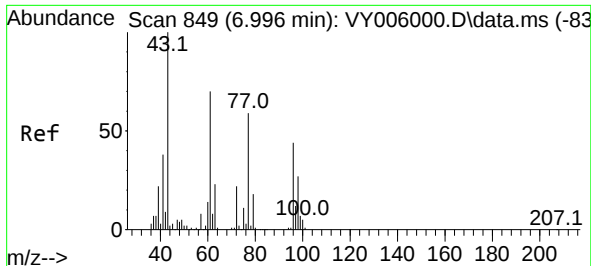
Tgt Ion: 76 Resp: 5178
Ion Ratio Lower Upper
76 100
78 7.0 7.4 11.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.734 min Scan# 478
Delta R.T. 0.012 min
Lab File: VY006159.D
Acq: 27 Sep 2021 13:39

Tgt Ion: 84 Resp: 3620
Ion Ratio Lower Upper
84 100
49 120.7 114.4 171.6
51 38.6 35.3 52.9
86 54.3 53.7 80.5





#25

2-Butanone

Concen: 64.786 ug/l

RT: 6.996 min Scan# 849

Delta R.T. -0.000 min

Lab File: VY006159.D

Acq: 27 Sep 2021 13:39

Instrument :

MSVOA_Y

ClientSampled :

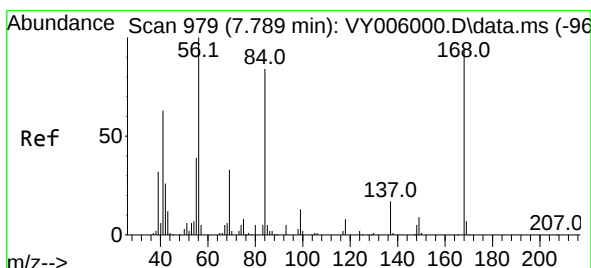
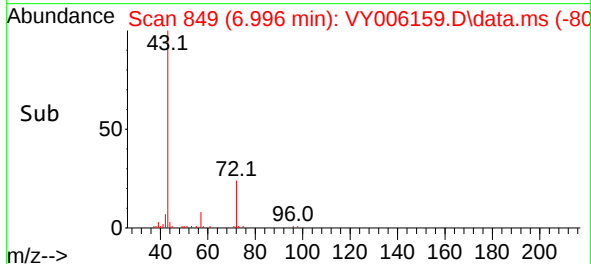
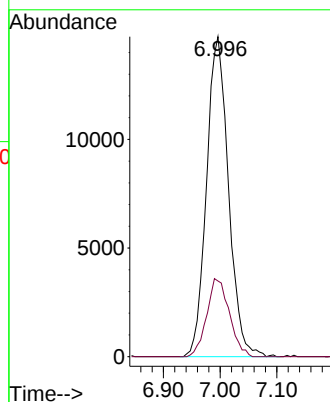
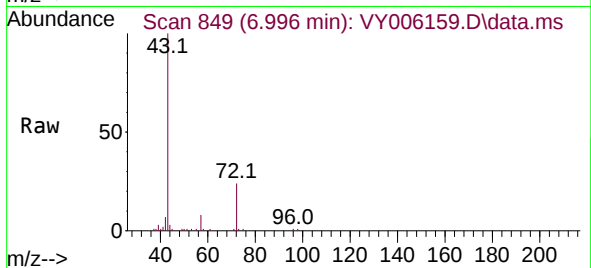
20883

Tgt Ion: 43 Resp: 39619

Ion Ratio Lower Upper

43 100

72 23.7 17.7 26.5



#31

Cyclohexane

Concen: 1.217 ug/l

RT: 7.801 min Scan# 981

Delta R.T. 0.012 min

Lab File: VY006159.D

Acq: 27 Sep 2021 13:39

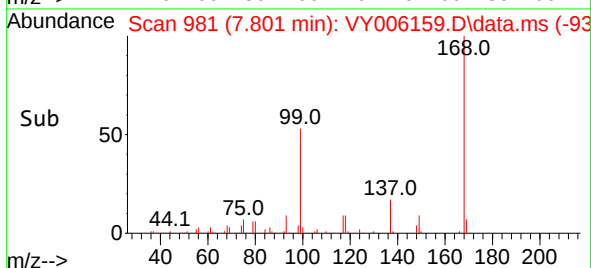
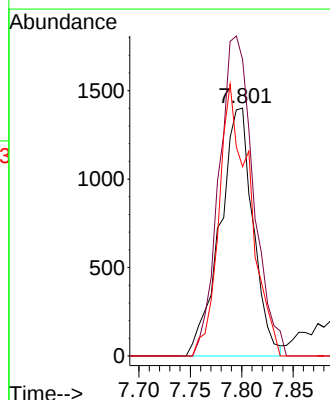
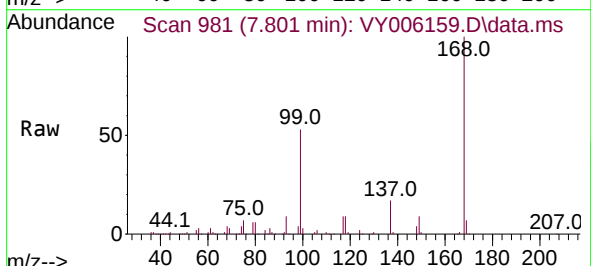
Tgt Ion: 56 Resp: 3154

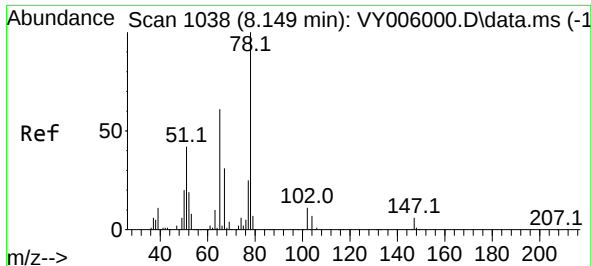
Ion Ratio Lower Upper

56 100

69 119.6 26.7 40.1#

84 76.4 67.2 100.8

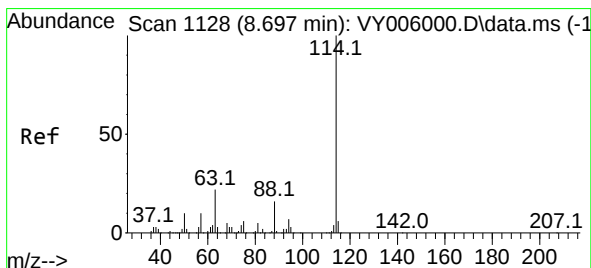
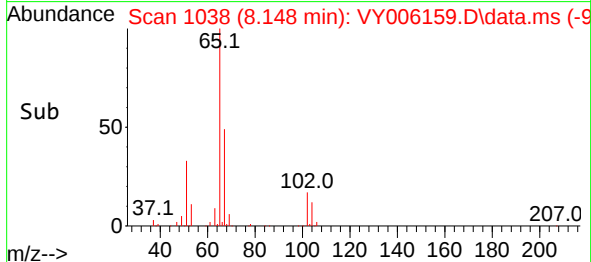
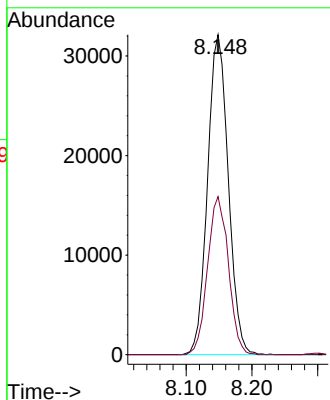
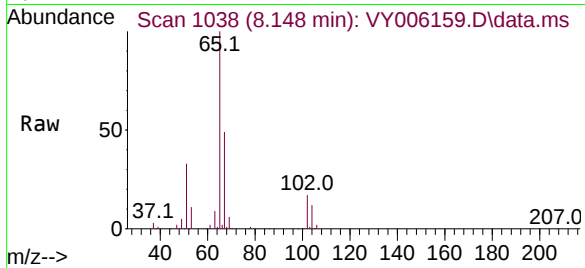




#33
 1,2-Dichloroethane-d4
 Concen: 43.596 ug/l
 RT: 8.148 min Scan# 1038
 Delta R.T. -0.000 min
 Lab File: VY006159.D
 Acq: 27 Sep 2021 13:39

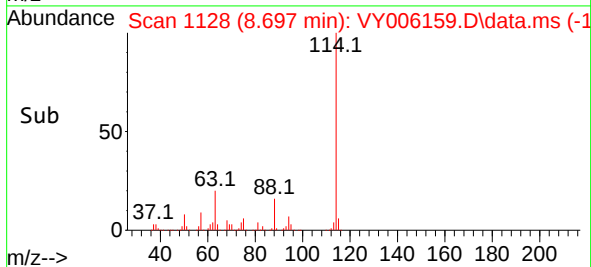
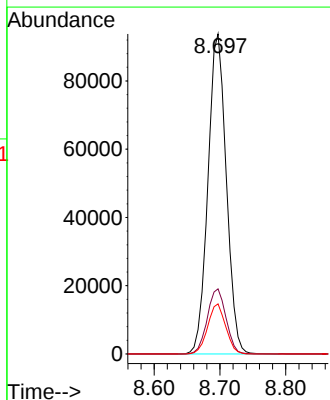
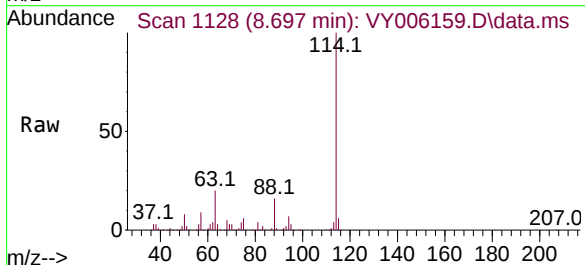
Instrument :
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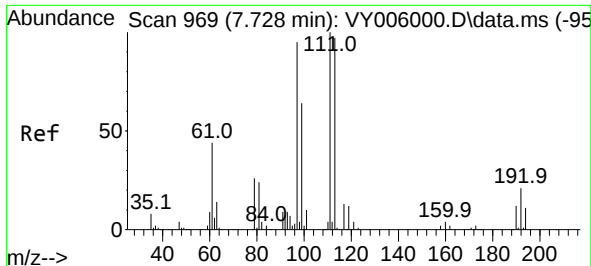
Tgt Ion: 65 Resp: 70524
 Ion Ratio Lower Upper
 65 100
 67 49.7 0.0 99.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.697 min Scan# 1128
 Delta R.T. -0.000 min
 Lab File: VY006159.D
 Acq: 27 Sep 2021 13:39

Tgt Ion: 114 Resp: 182147
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 43.2
 88 15.7 0.0 31.8

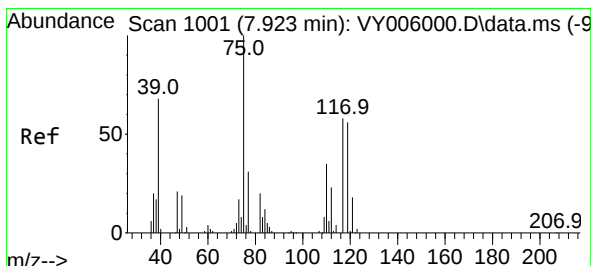
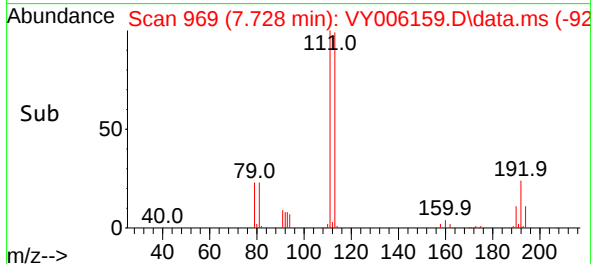
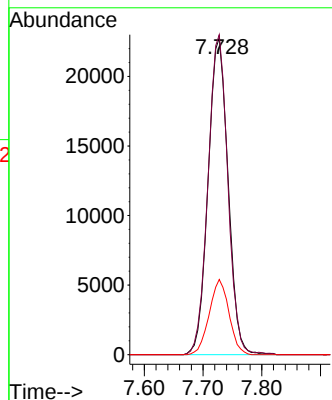
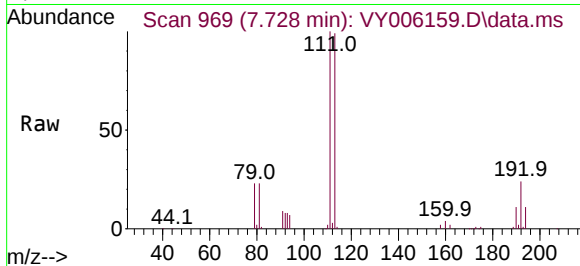




#35
Dibromofluoromethane
Concen: 47.481 ug/l
RT: 7.728 min Scan# 969
Delta R.T. -0.000 min
Lab File: VY006159.D
Acq: 27 Sep 2021 13:39

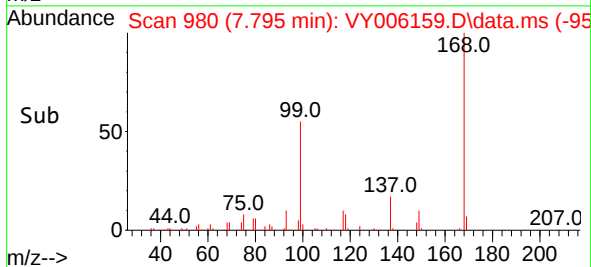
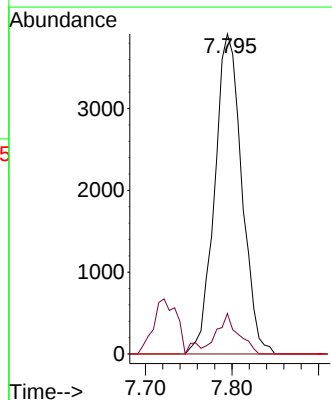
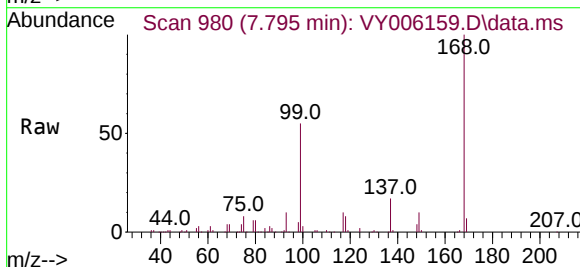
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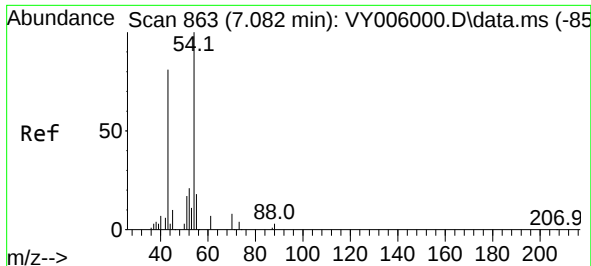
Tgt Ion:	113	Resp:	53717
Ion	Ratio	Lower	Upper
113	100		
111	100.4	82.6	124.0
192	23.5	17.6	26.4



#36
1,1-Dichloropropene
Concen: 4.330 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY006159.D
Acq: 27 Sep 2021 13:39

Tgt Ion:	75	Resp:	8513
Ion	Ratio	Lower	Upper
75	100		
110	9.9	17.1	51.2#
77	0.0	24.4	36.6#





#37

Ethyl Acetate

Concen: 29.172 ug/l

RT: 6.996 min Scan# 849

Delta R.T. -0.086 min

Lab File: VY006159.D

Acq: 27 Sep 2021 13:39

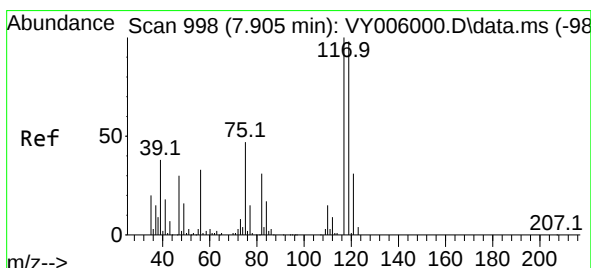
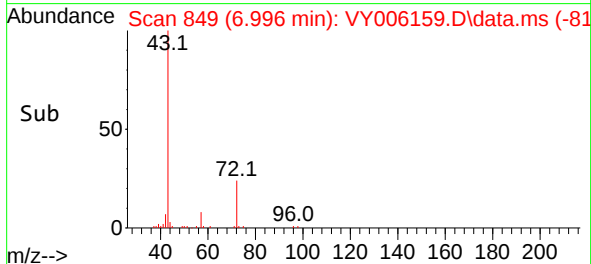
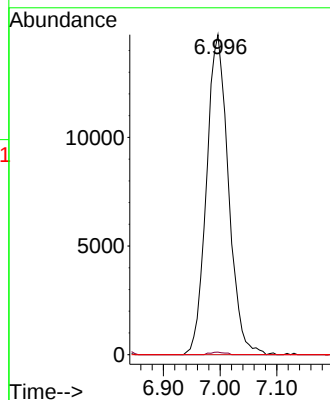
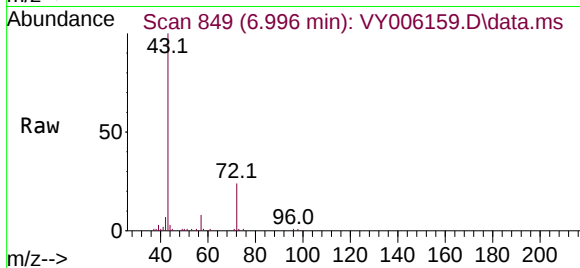
Instrument :

MSVOA_Y

ClientSampleId :

20883

Tgt Ion:	43	Resp:	39619
Ion	Ratio	Lower	Upper
43	100		
61	0.6	9.7	14.5#
70	0.0	7.1	10.7#



#38

Carbon Tetrachloride

Concen: 5.090 ug/l

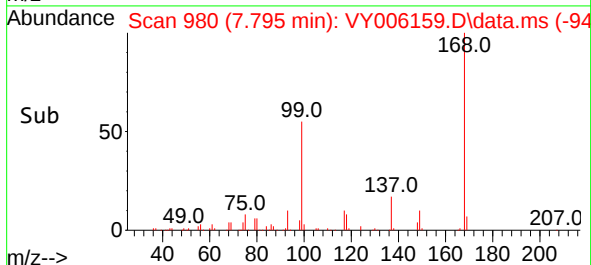
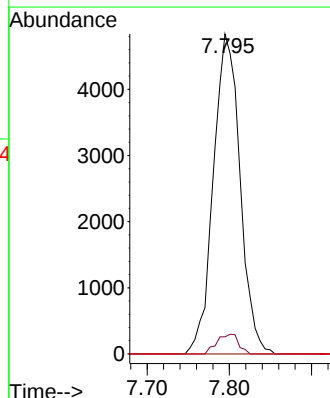
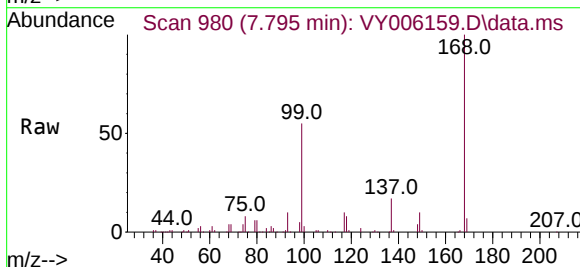
RT: 7.795 min Scan# 980

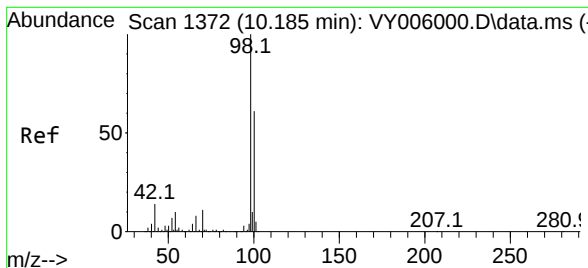
Delta R.T. -0.110 min

Lab File: VY006159.D

Acq: 27 Sep 2021 13:39

Tgt Ion:	117	Resp:	10893
Ion	Ratio	Lower	Upper
117	100		
119	5.3	77.9	116.9#
121	0.0	24.8	37.2#

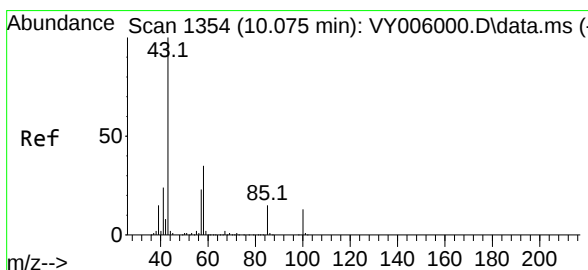
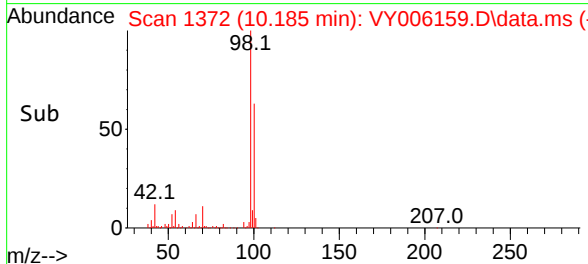
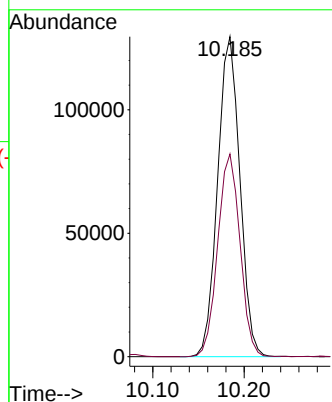
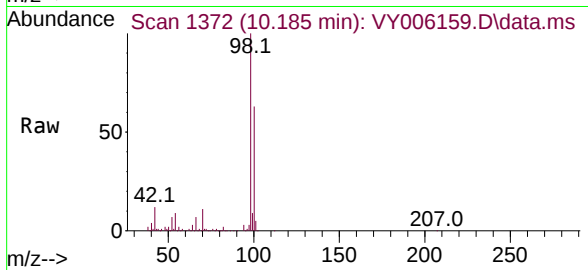




#50
Toluene-d8
Concen: 45.510 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY006159.D
Acq: 27 Sep 2021 13:39

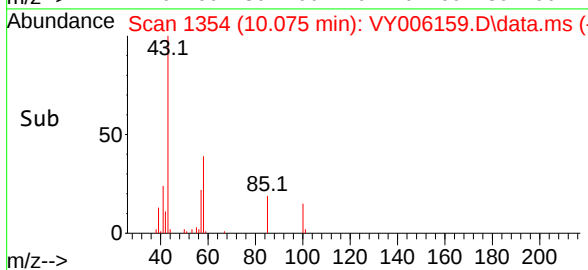
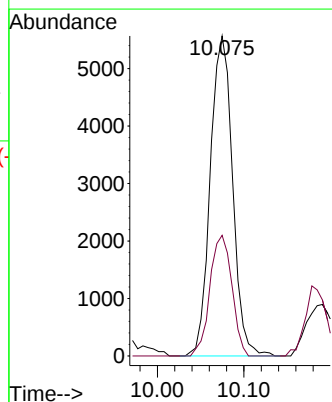
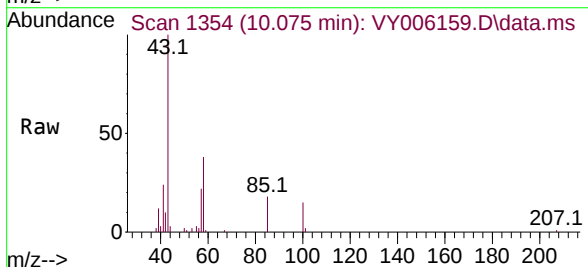
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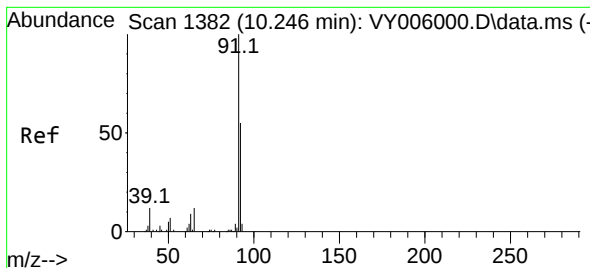
Tgt Ion: 98 Resp: 219443
Ion Ratio Lower Upper
98 100
100 63.5 50.2 75.2



#51
4-Methyl-2-Pentanone
Concen: 7.383 ug/l
RT: 10.075 min Scan# 1354
Delta R.T. -0.000 min
Lab File: VY006159.D
Acq: 27 Sep 2021 13:39

Tgt Ion: 43 Resp: 9957
Ion Ratio Lower Upper
43 100
58 37.1 28.1 42.1

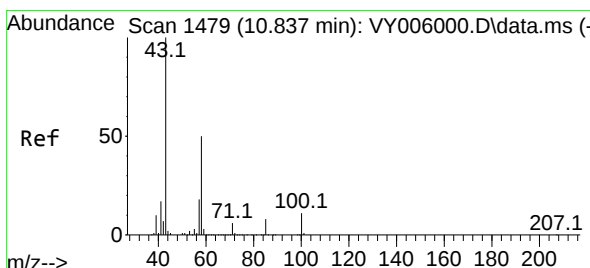
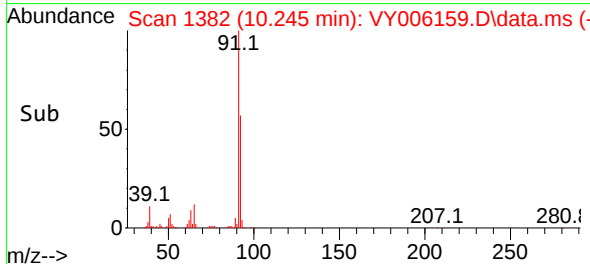
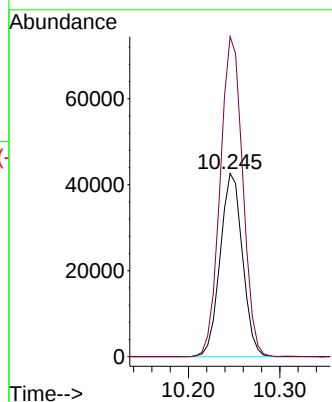
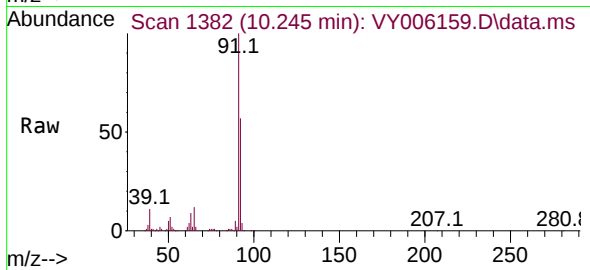




#52
Toluene
Concen: 20.828 ug/l
RT: 10.245 min Scan# 1382
Delta R.T. -0.000 min
Lab File: VY006159.D
Acq: 27 Sep 2021 13:39

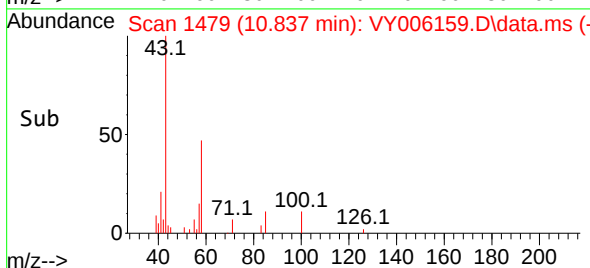
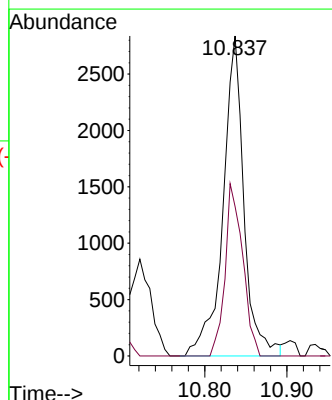
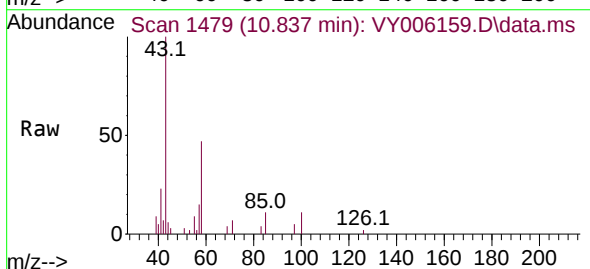
Instrument :
MSVOA_Y
ClientSampled :
20883

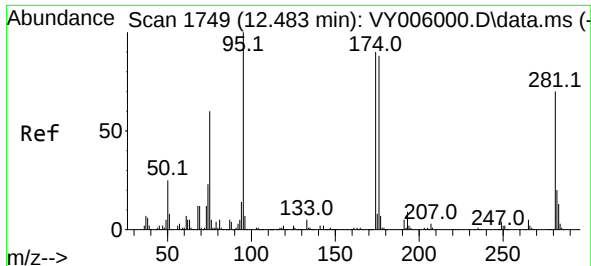
Tgt Ion: 92 Resp: 72360
Ion Ratio Lower Upper
92 100
91 176.3 142.6 213.8



#59
2-Hexanone
Concen: 5.411 ug/l
RT: 10.837 min Scan# 1479
Delta R.T. -0.000 min
Lab File: VY006159.D
Acq: 27 Sep 2021 13:39

Tgt Ion: 43 Resp: 5038
Ion Ratio Lower Upper
43 100
58 45.0 24.4 73.4

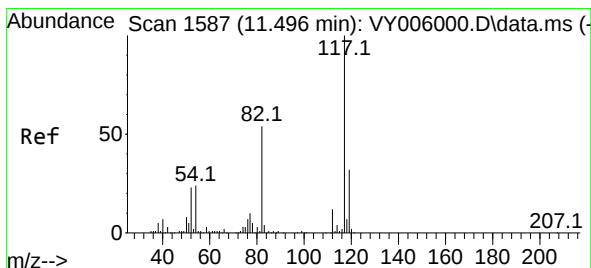
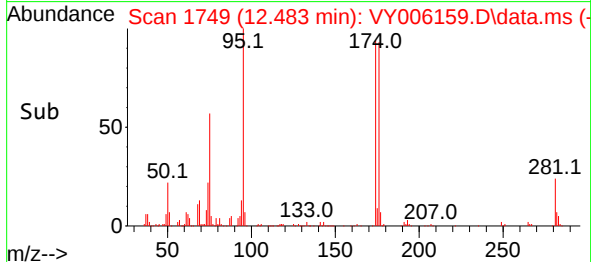
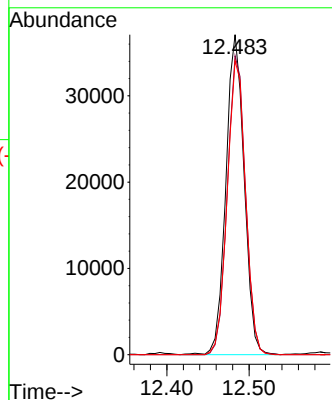
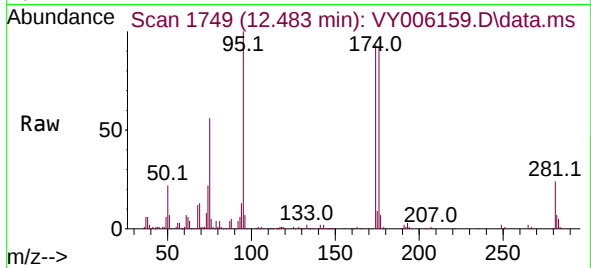




#62
4-Bromofluorobenzene
Concen: 34.977 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY006159.D
Acq: 27 Sep 2021 13:39

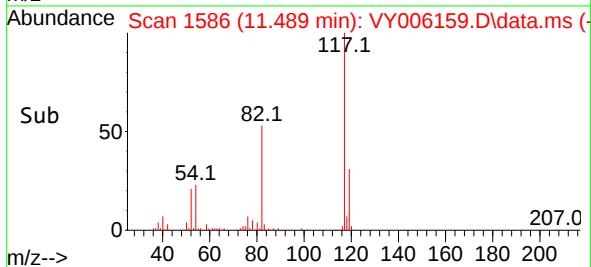
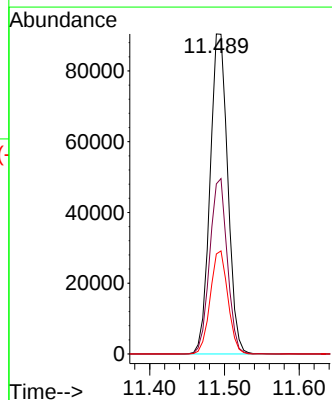
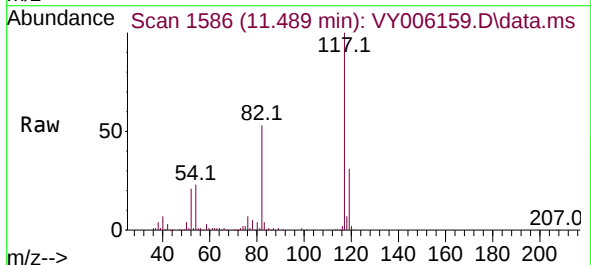
Instrument :
MSVOA_Y
ClientSampleId :
20883

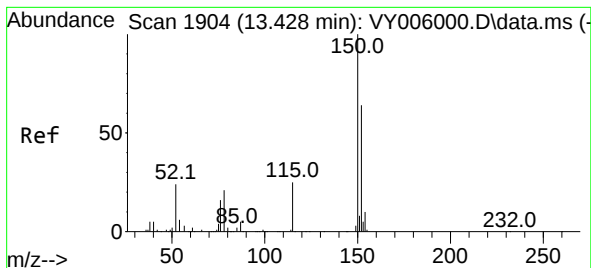
Tgt Ion: 95 Resp: 57260
Ion Ratio Lower Upper
95 100
174 92.8 0.0 177.0
176 92.2 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.006 min
Lab File: VY006159.D
Acq: 27 Sep 2021 13:39

Tgt Ion: 117 Resp: 148786
Ion Ratio Lower Upper
117 100
82 53.1 43.0 64.4
119 31.2 25.4 38.0

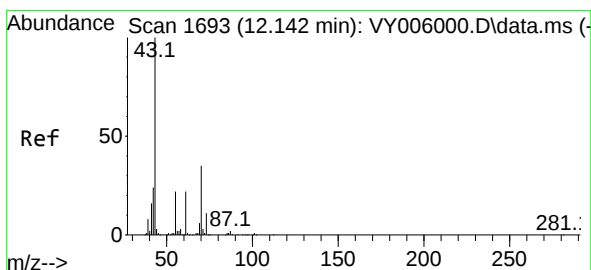
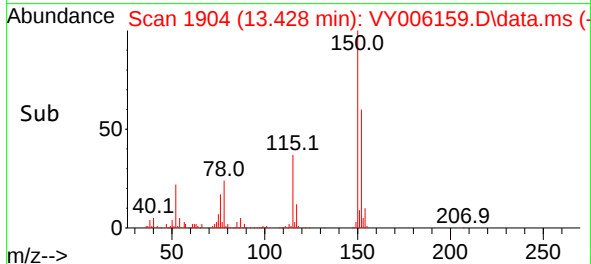
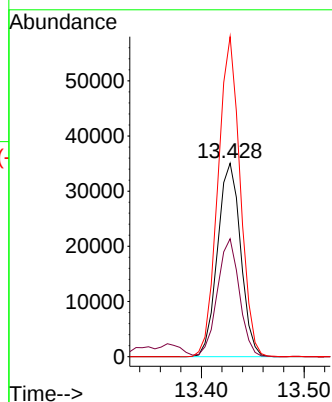
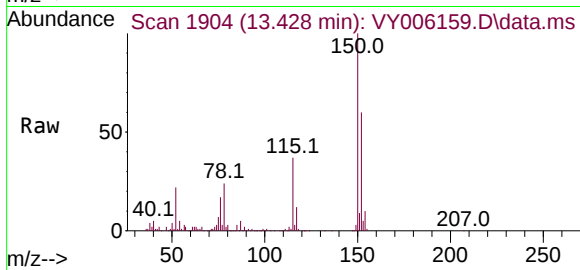




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY006159.D
Acq: 27 Sep 2021 13:39

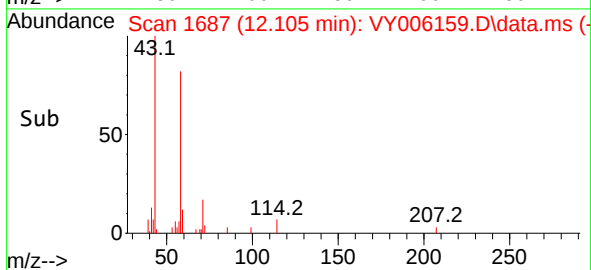
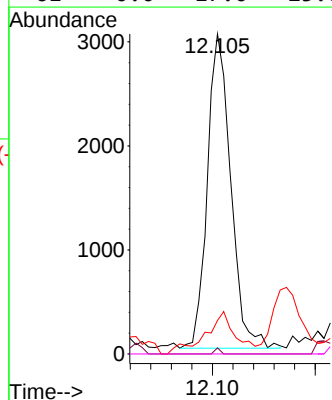
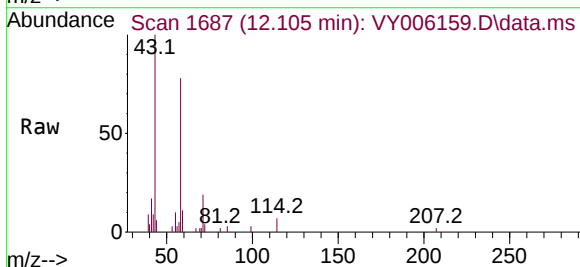
Instrument :
MSVOA_Y
ClientSampleId :
20883

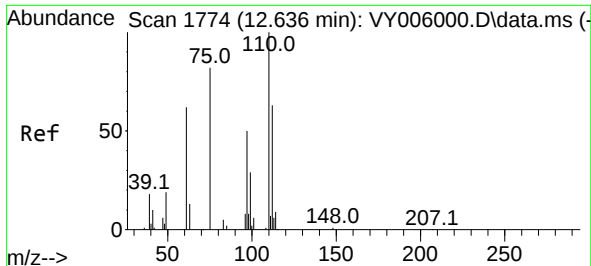
Tgt Ion:152 Resp: 54524
Ion Ratio Lower Upper
152 100
115 58.3 28.2 84.7
150 159.2 0.0 347.6



#74
N-ethyl acetate
Concen: 3.243 ug/l
RT: 12.105 min Scan# 1687
Delta R.T. -0.037 min
Lab File: VY006159.D
Acq: 27 Sep 2021 13:39

Tgt Ion: 43 Resp: 4782
Ion Ratio Lower Upper
43 100
70 0.0 28.7 43.1#
55 17.4 17.3 25.9
61 0.0 17.0 25.6#

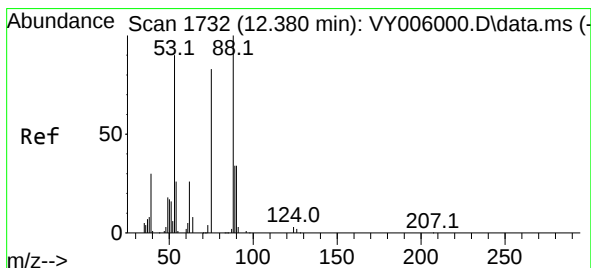
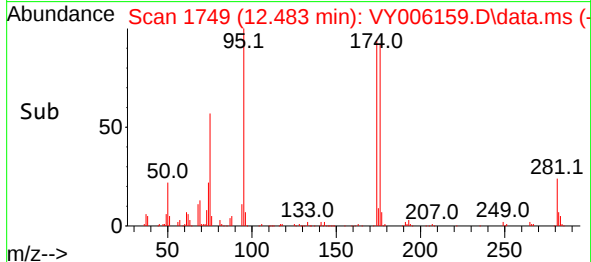
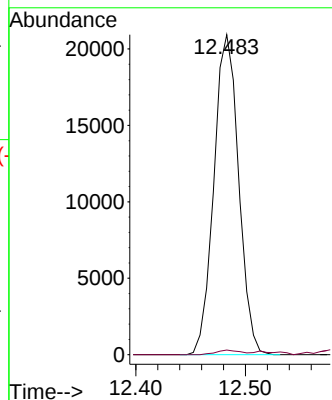
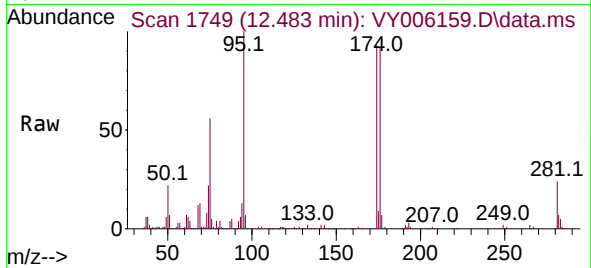




#76
1,2,3-Trichloropropane
Concen: 56.534 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY006159.D
Acq: 27 Sep 2021 13:39

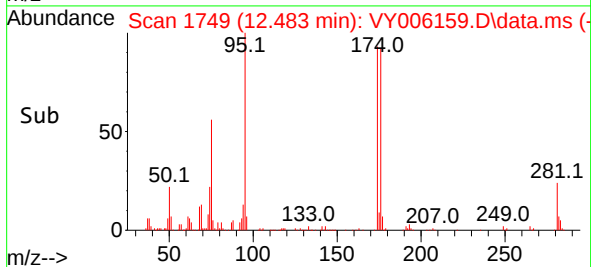
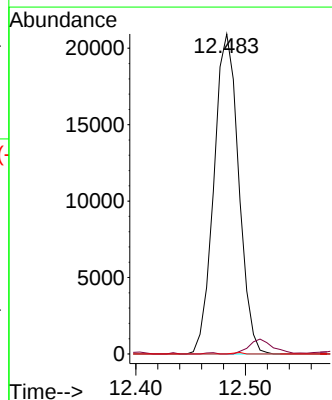
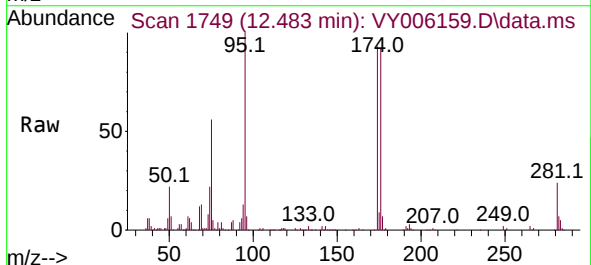
Instrument :
MSVOA_Y
ClientSampled :
20883

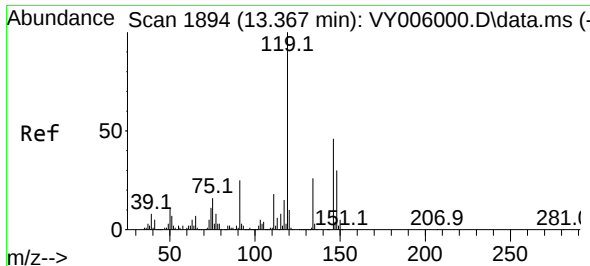
Tgt Ion: 75 Resp: 32865
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 103.939 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY006159.D
Acq: 27 Sep 2021 13:39

Tgt Ion: 75 Resp: 32865
Ion Ratio Lower Upper
75 100
53 0.2 85.3 127.9#
89 0.0 37.0 55.4#

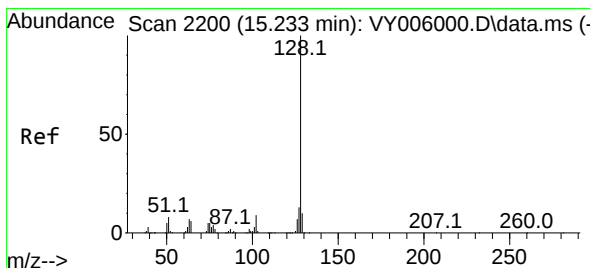
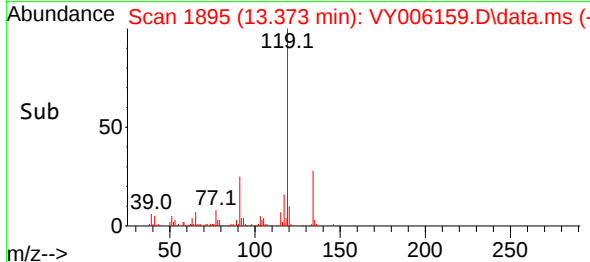
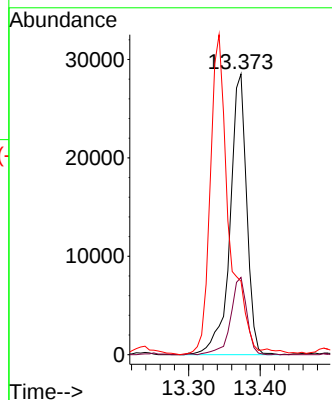
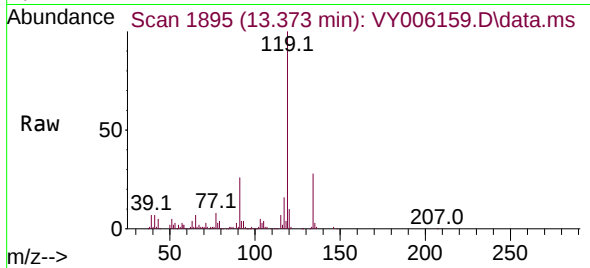




#86
p-Isopropyltoluene
Concen: 11.882 ug/l
RT: 13.373 min Scan# 1895
Delta R.T. 0.006 min
Lab File: VY006159.D
Acq: 27 Sep 2021 13:39

Instrument :
MSVOA_Y
ClientSampleId :
20883

Tgt Ion:119 Resp: 45990
Ion Ratio Lower Upper
119 100
134 26.7 13.2 39.5
91 0.0 12.4 37.2#



#95
Naphthalene
Concen: 1.827 ug/l
RT: 15.232 min Scan# 2200
Delta R.T. -0.000 min
Lab File: VY006159.D
Acq: 27 Sep 2021 13:39

Tgt Ion:128 Resp: 3981
Ion Ratio Lower Upper
128 100
127 16.7 11.0 16.4#
129 10.3 8.4 12.6

