

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032222\
 Data File : VD072365.D
 Acq On : 22 Mar 2022 16:32
 Operator : VA/SY
 Sample : N2058-01
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MHA

Quant Time: Mar 23 01:13:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 14 05:18:06 2022
 Response via : Initial Calibration

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

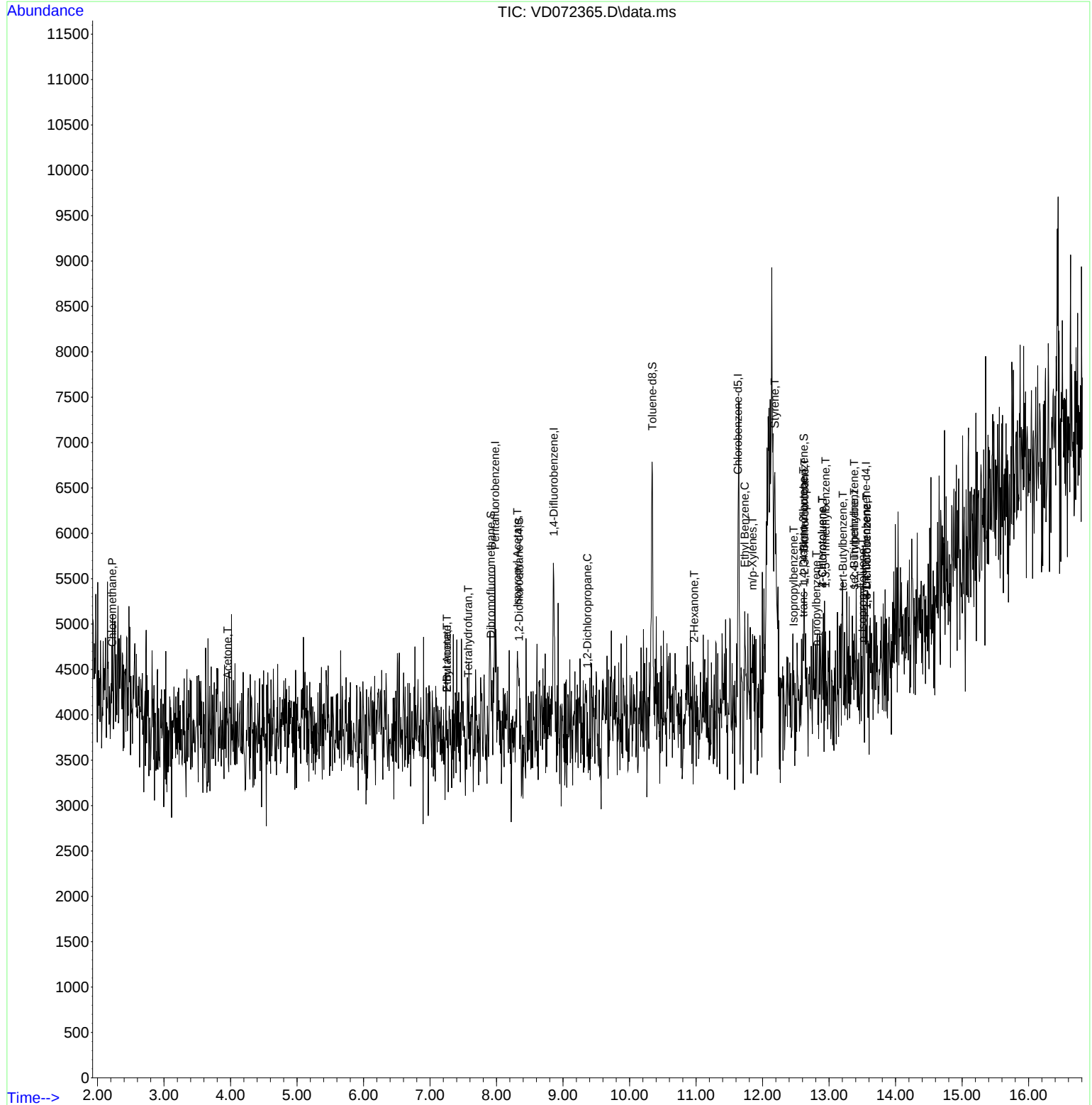
Internal Standards						
1) Pentafluorobenzene	7.979	168	1599	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.861	114	1950	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.631	117	1673	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	57	50.000	ug/l	#-0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.338	65	611	34.287	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery =	68.580%		
35) Dibromofluoromethane	7.914	113	913	66.534	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	133.060%		
50) Toluene-d8	10.343	98	2380	47.433	ug/l	0.01
Spiked Amount 50.000	Range 49 - 140		Recovery =	94.860%		
62) 4-Bromofluorobenzene	12.620	95	462	23.697	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	47.400%		
Target Compounds						Qvalue
3) Chloromethane	2.220	50	59	4.489	ug/l #	40
16) Acetone	3.955	43	74	19.126	ug/l #	47
25) 2-Butanone	7.255	43	62	12.019	ug/l #	52
29) Tetrahydrofuran	7.573	42	63	20.769	ug/l #	38
37) Ethyl Acetate	7.255	43	62	7.352	ug/l #	72
43) Isopropyl Acetate	8.314	43	101	6.171	ug/l #	54
45) 1,2-Dichloropropane	9.367	63	57	3.784	ug/l #	42
59) 2-Hexanone	10.973	43	55	9.263	ug/l #	27
67) Ethyl Benzene	11.731	91	299	4.514	ug/l #	44
68) m/p-Xylenes	11.849	106	86	3.419	ug/l #	1
70) Styrene	12.184	104	69	1.642	ug/l #	25
73) Isopropylbenzene	12.467	105	277	61.324	ug/l #	49
76) 1,2,3-Trichloropropane	12.631	75	116	184.490	ug/l #	100
78) n-propylbenzene	12.808	91	355	64.704	ug/l #	54
79) 2-Chlorotoluene	12.896	91	232	73.127	ug/l #	42
80) 1,3,5-Trimethylbenzene	12.949	105	56	14.431	ug/l #	29
81) trans-1,4-Dichloro-2-b...	12.614	75	200	789.204	ug/l #	7
82) 4-Chlorotoluene	12.896	91	232	70.625	ug/l #	42
83) tert-Butylbenzene	13.208	119	138	40.563	ug/l #	24
84) 1,2,4-Trimethylbenzene	13.378	105	119	31.123	ug/l #	32
85) sec-Butylbenzene	13.378	105	119	23.292	ug/l #	57
86) p-Isopropyltoluene	13.502	119	64	15.223	ug/l #	50
87) 1,3-Dichlorobenzene	13.567	146	62	29.098	ug/l #	25
88) 1,4-Dichlorobenzene	13.567	146	62	29.344	ug/l #	25

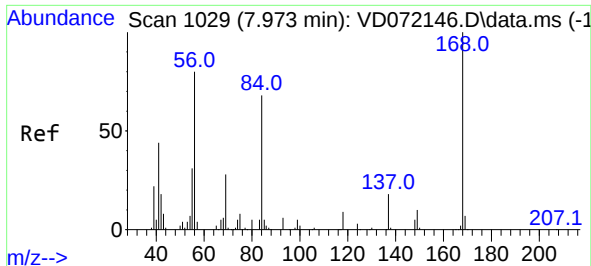
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072365.D
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Quant Time: Mar 23 01:13:30 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
Quant Title : SW846 8260
QLast Update : Mon Mar 14 05:18:06 2022
Response via : Initial Calibration

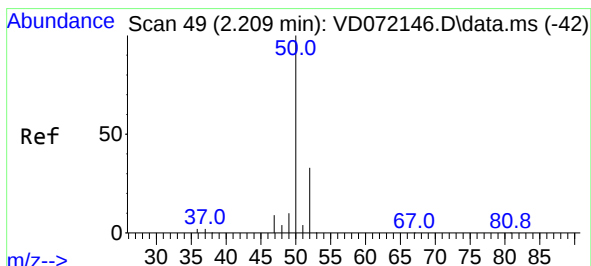
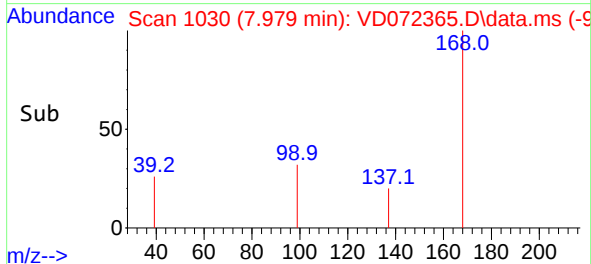
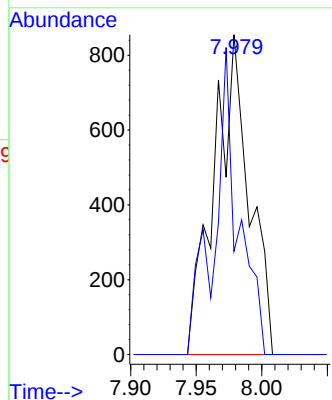
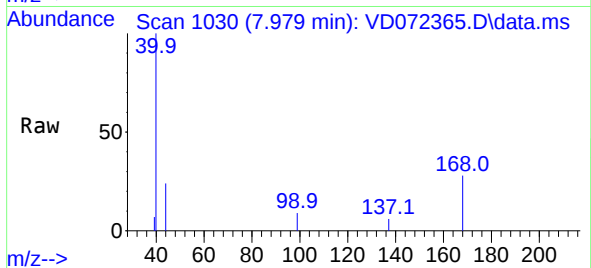




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 10
Delta R.T. 0.006 min
Lab File: VD072365.D
Acq: 22 Mar 2022 16:32

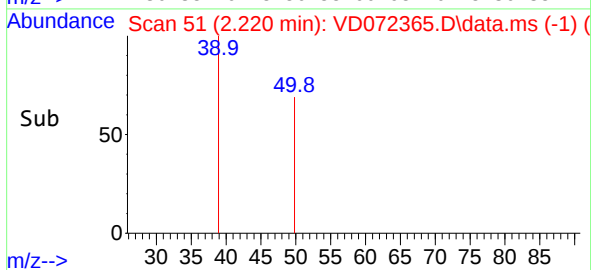
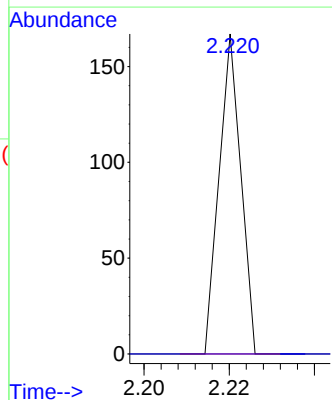
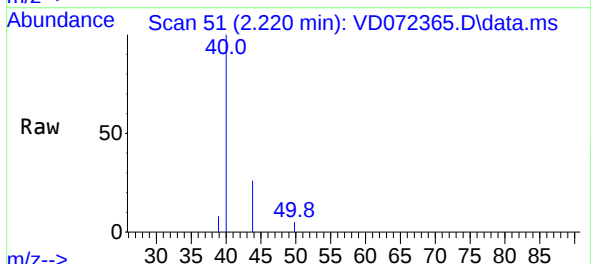
Instrument :
MSVOA_D
ClientSampleId :
MHA

Tgt Ion:168 Resp: 1599
Ion Ratio Lower Upper
168 100
99 32.3 49.8 74.6#



#3
Chloromethane
Concen: 4.489 ug/l
RT: 2.220 min Scan# 51
Delta R.T. 0.011 min
Lab File: VD072365.D
Acq: 22 Mar 2022 16:32

Tgt Ion: 50 Resp: 59
Ion Ratio Lower Upper
50 100
52 0.0 27.4 41.0#

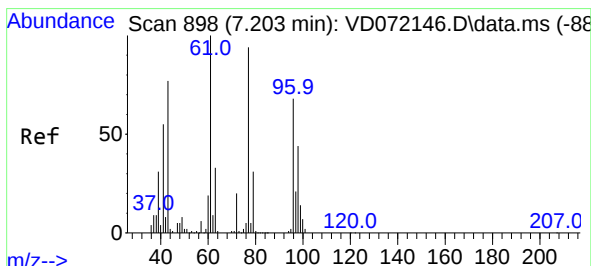
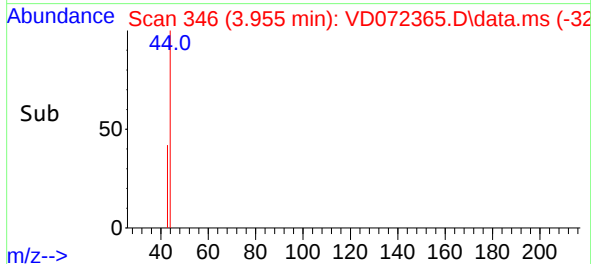
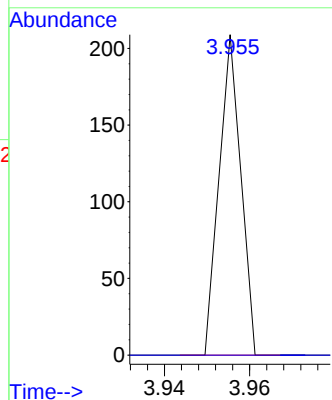
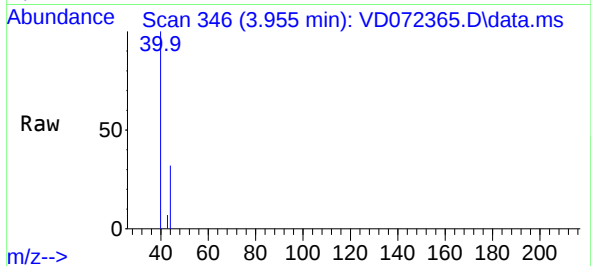




#16
Acetone
Concen: 19.126 ug/l
RT: 3.955 min Scan# 34
Delta R.T. -0.200 min
Lab File: VD072365.D
Acq: 22 Mar 2022 16:32

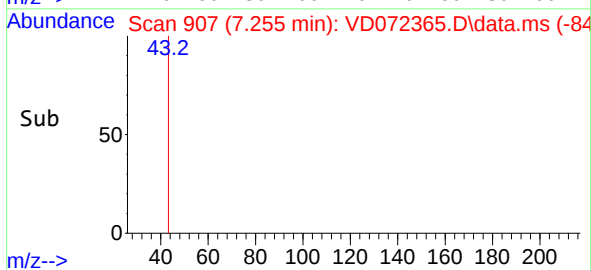
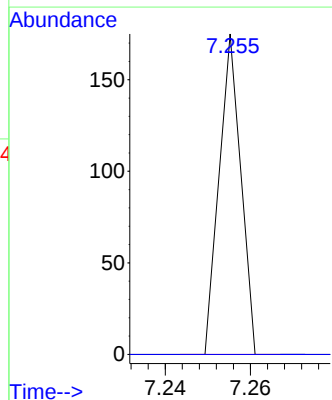
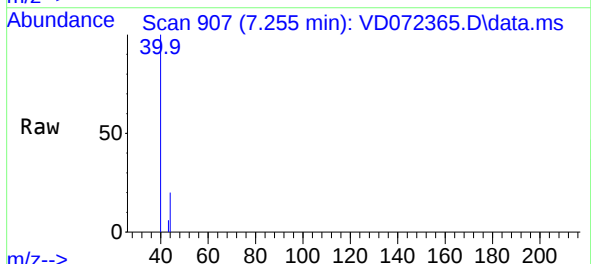
Instrument :
MSVOA_D
ClientSampleId :
MHA

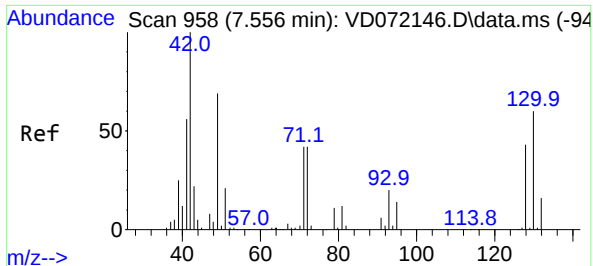
Tgt Ion: 43 Resp: 74
Ion Ratio Lower Upper
43 100
58 0.0 22.1 33.1#



#25
2-Butanone
Concen: 12.019 ug/l
RT: 7.255 min Scan# 907
Delta R.T. 0.053 min
Lab File: VD072365.D
Acq: 22 Mar 2022 16:32

Tgt Ion: 43 Resp: 62
Ion Ratio Lower Upper
43 100
72 0.0 18.6 27.8#





#29

Tetrahydrofuran

Concen: 20.769 ug/l

RT: 7.573 min Scan# 90

Delta R.T. 0.017 min

Lab File: VD072365.D

Acq: 22 Mar 2022 16:32

Instrument :

MSVOA_D

ClientSampleId :

MHA

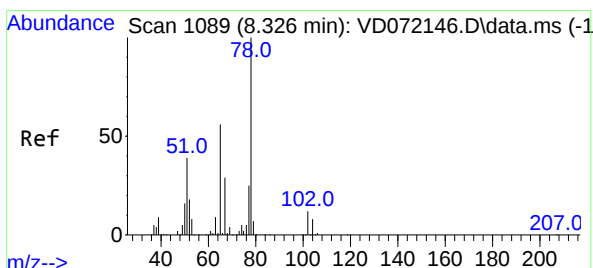
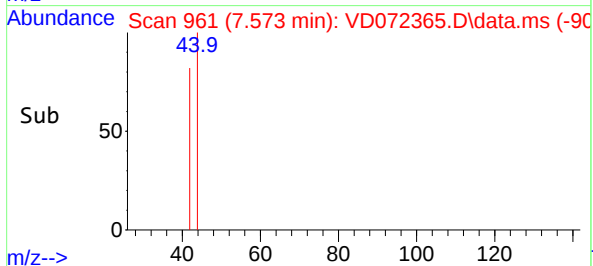
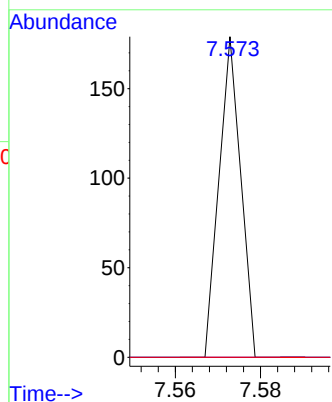
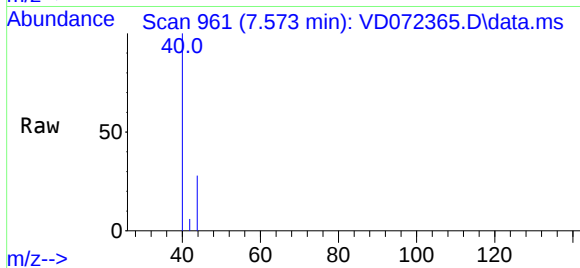
Tgt Ion: 42 Resp: 63

Ion Ratio Lower Upper

42 100

72 0.0 30.7 46.1#

71 0.0 28.6 43.0#



#33

1,2-Dichloroethane-d4

Concen: 34.287 ug/l

RT: 8.338 min Scan# 1091

Delta R.T. 0.011 min

Lab File: VD072365.D

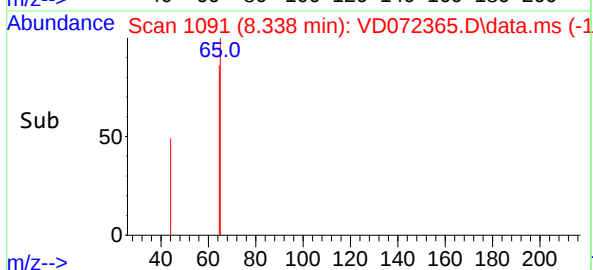
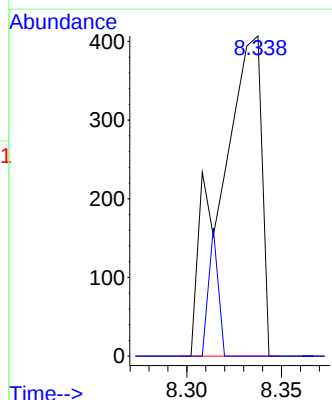
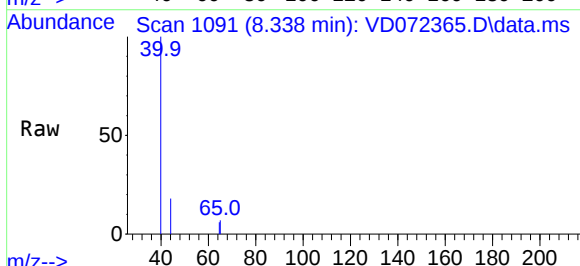
Acq: 22 Mar 2022 16:32

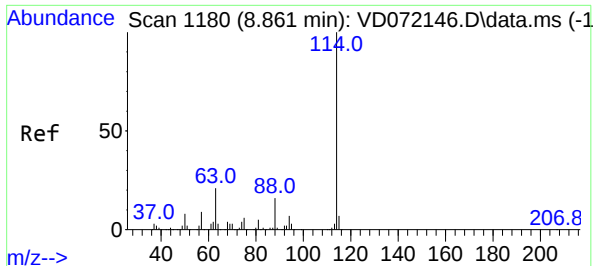
Tgt Ion: 65 Resp: 611

Ion Ratio Lower Upper

65 100

67 0.0 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. -0.000 min

Lab File: VD072365.D

Acq: 22 Mar 2022 16:32

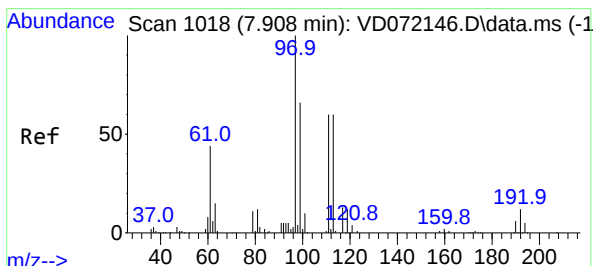
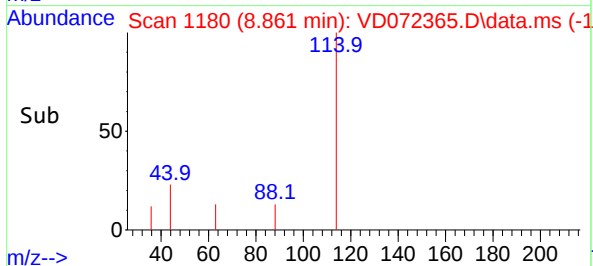
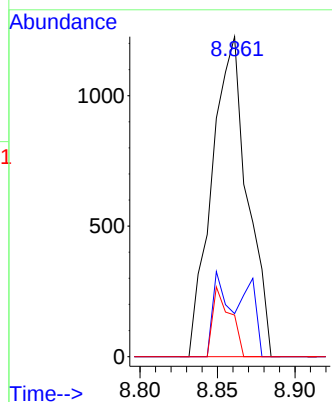
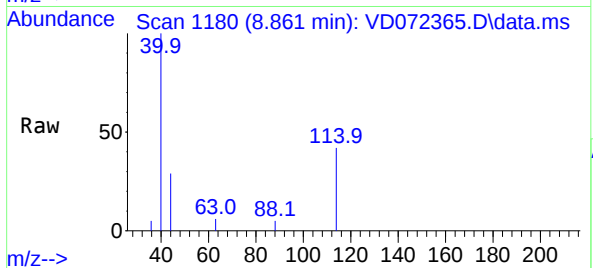
Instrument :

MSVOA_D

ClientSampleId :

MHA

Tgt Ion:	114	Resp:	1950
Ion	Ratio	Lower	Upper
114	100		
63	13.5	0.0	46.6
88	13.0	0.0	33.2



#35

Dibromofluoromethane

Concen: 66.534 ug/l

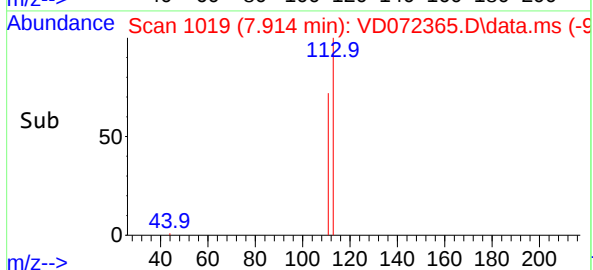
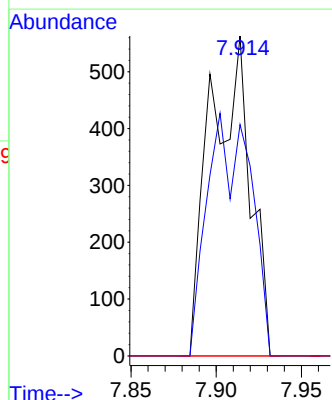
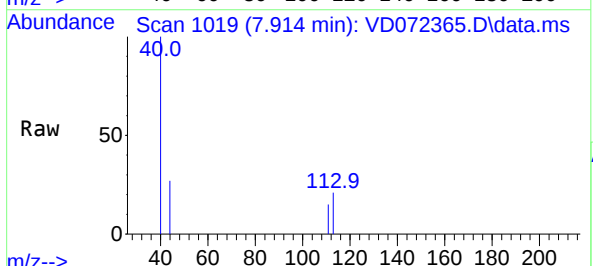
RT: 7.914 min Scan# 1019

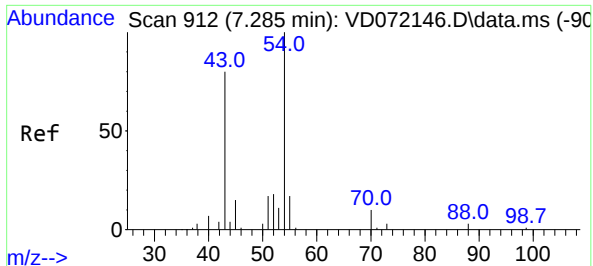
Delta R.T. 0.006 min

Lab File: VD072365.D

Acq: 22 Mar 2022 16:32

Tgt Ion:	113	Resp:	913
Ion	Ratio	Lower	Upper
113	100		
111	82.8	83.8	125.6#
192	0.0	14.6	21.8#

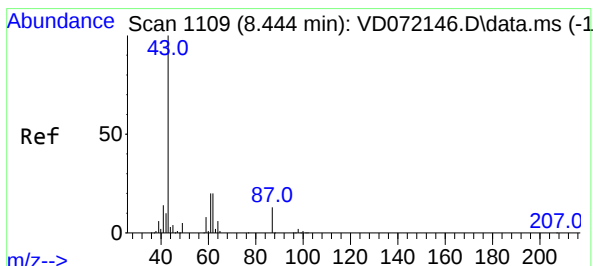
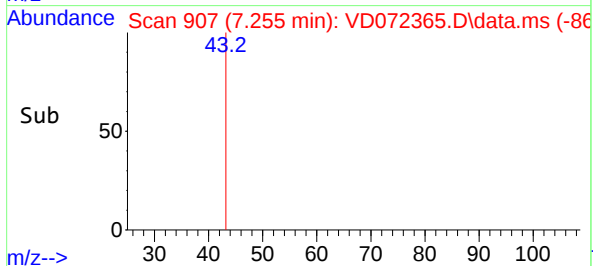
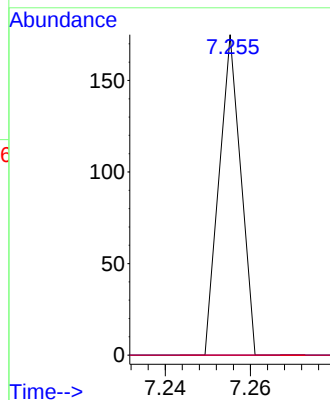
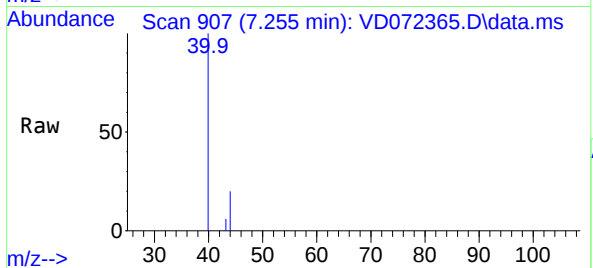




#37
Ethyl Acetate
Concen: 7.352 ug/l
RT: 7.255 min Scan# 90
Delta R.T. -0.030 min
Lab File: VD072365.D
Acq: 22 Mar 2022 16:32

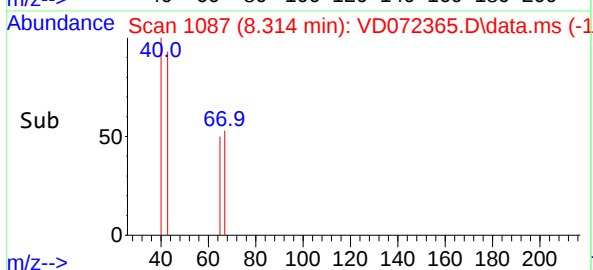
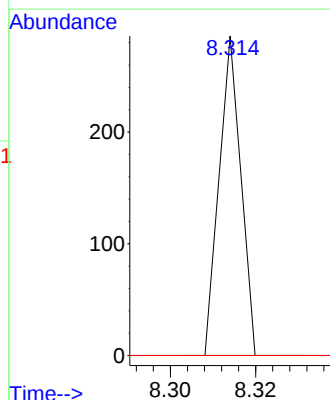
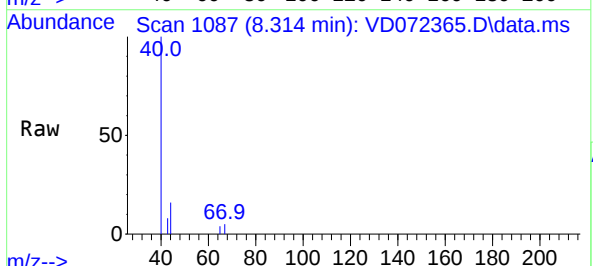
Instrument :
MSVOA_D
ClientSampleId :
MHA

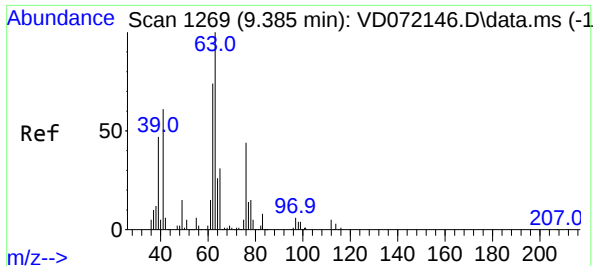
Tgt Ion: 43	Resp: 62
Ion Ratio	Lower Upper
43 100	
61 0.0	9.8 14.8#
70 0.0	6.9 10.3#



#43
Isopropyl Acetate
Concen: 6.171 ug/l
RT: 8.314 min Scan# 1087
Delta R.T. -0.130 min
Lab File: VD072365.D
Acq: 22 Mar 2022 16:32

Tgt Ion: 43	Resp:	101	
Ion	Ratio	Lower	Upper
43	100		
61	0.0	22.4	33.6#
87	0.0	8.7	13.1#

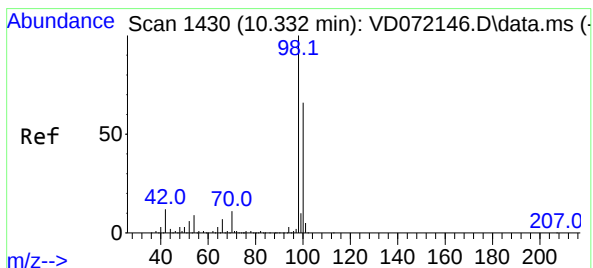
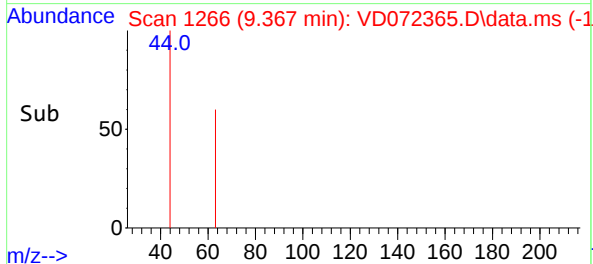
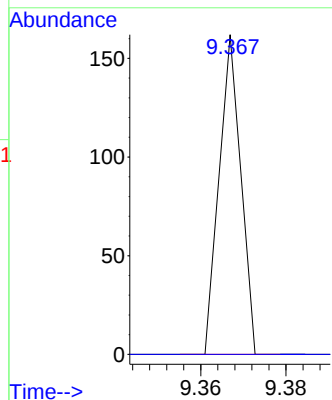
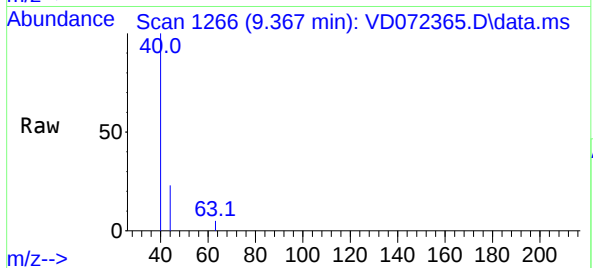




#45
1,2-Dichloropropane
Concen: 3.784 ug/l
RT: 9.367 min Scan# 11
Delta R.T. -0.018 min
Lab File: VD072365.D
Acq: 22 Mar 2022 16:32

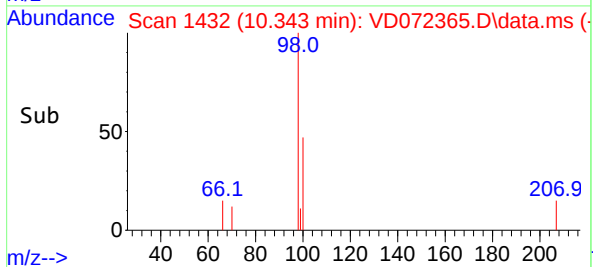
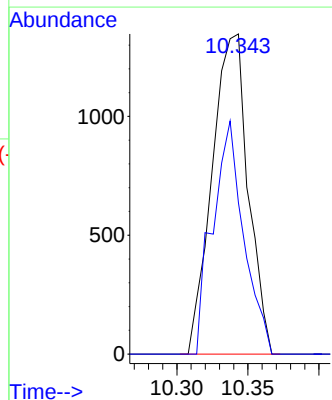
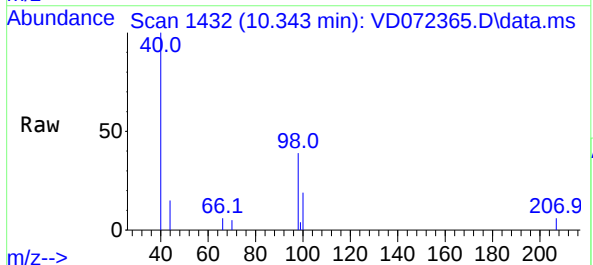
Instrument :
MSVOA_D
ClientSampleId :
MHA

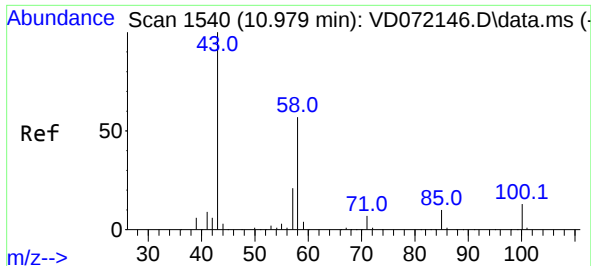
Tgt Ion: 63 Resp: 57
Ion Ratio Lower Upper
63 100
65 0.0 26.2 39.4#



#50
Toluene-d8
Concen: 47.433 ug/l
RT: 10.343 min Scan# 1432
Delta R.T. 0.011 min
Lab File: VD072365.D
Acq: 22 Mar 2022 16:32

Tgt Ion: 98 Resp: 2380
Ion Ratio Lower Upper
98 100
100 62.9 52.4 78.6





#59

2-Hexanone

Concen: 9.263 ug/l

RT: 10.973 min Scan# 11

Delta R.T. -0.006 min

Lab File: VD072365.D

Acq: 22 Mar 2022 16:32

Instrument :

MSVOA_D

ClientSampleId :

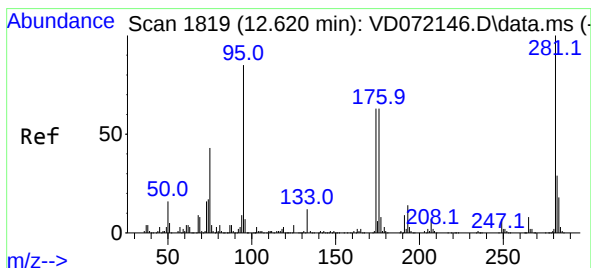
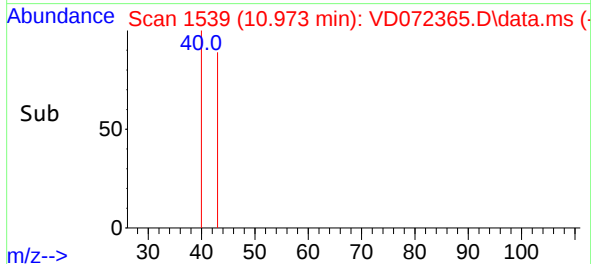
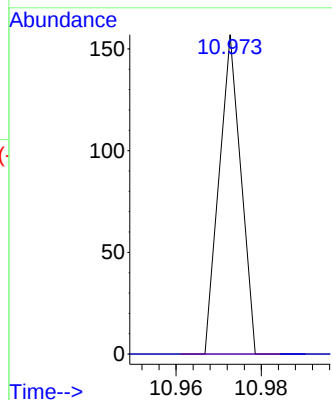
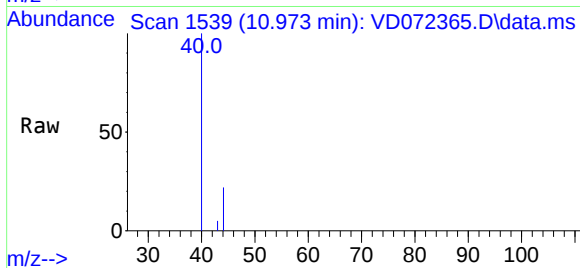
MHA

Tgt Ion: 43 Resp: 55

Ion Ratio Lower Upper

43 100

58 0.0 25.3 75.9#



#62

4-Bromofluorobenzene

Concen: 23.697 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. -0.000 min

Lab File: VD072365.D

Acq: 22 Mar 2022 16:32

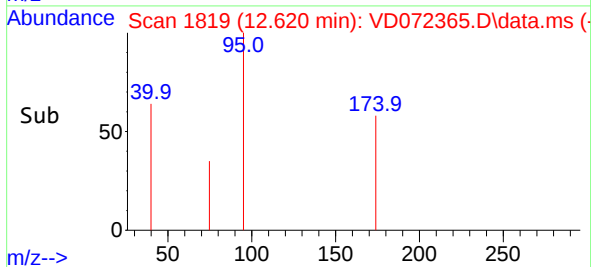
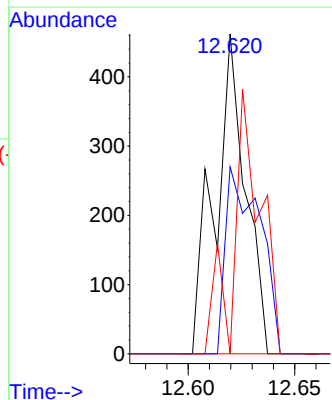
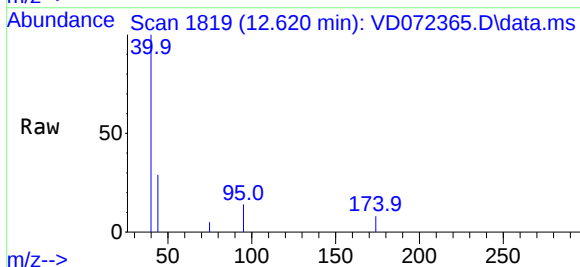
Tgt Ion: 95 Resp: 462

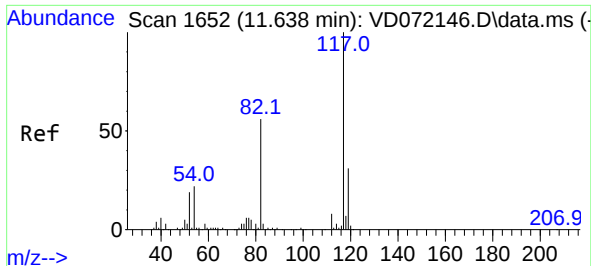
Ion Ratio Lower Upper

95 100

174 65.6 0.0 152.8

176 73.4 0.0 145.4

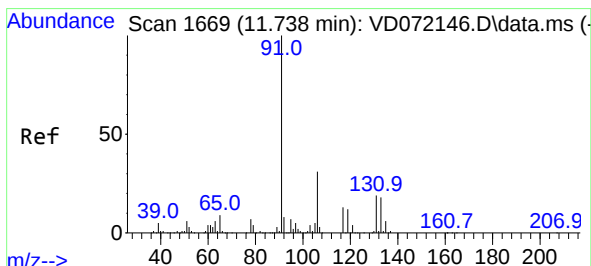
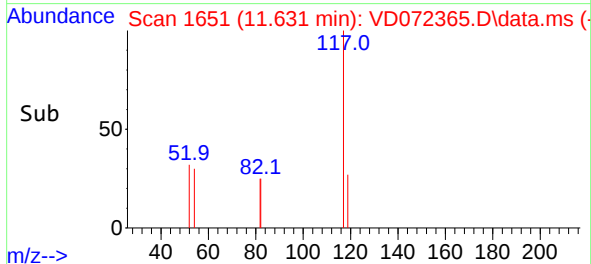
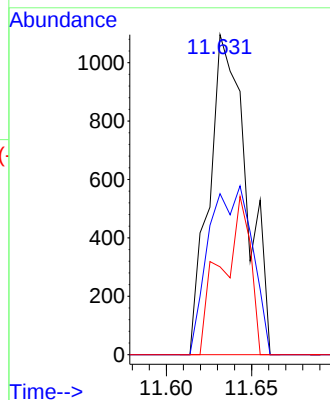
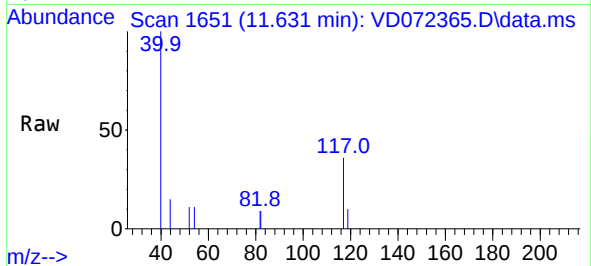




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.631 min Scan# 1651
Delta R.T. -0.006 min
Lab File: VD072365.D
Acq: 22 Mar 2022 16:32

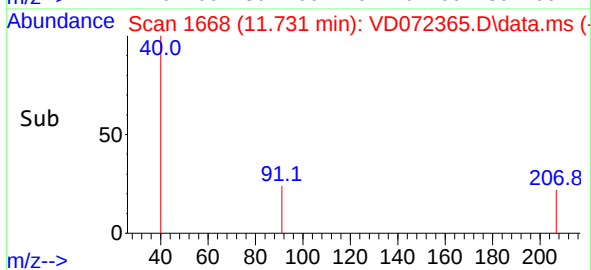
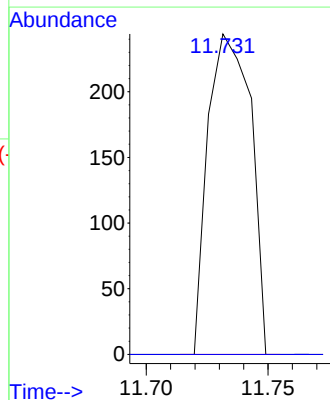
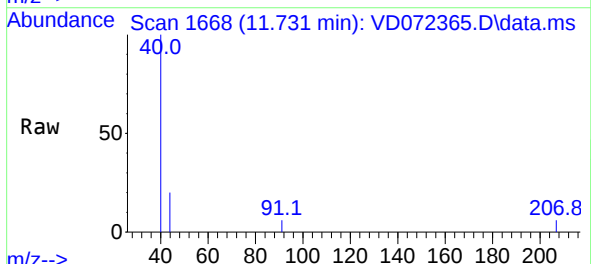
Instrument :
MSVOA_D
ClientSampleId :
MHA

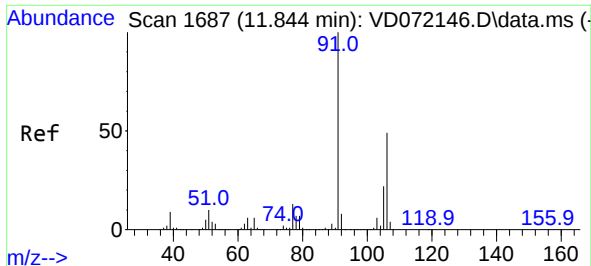
Tgt Ion:117 Resp: 1673
Ion Ratio Lower Upper
117 100
82 50.3 45.3 67.9
119 27.5 26.6 40.0



#67
Ethyl Benzene
Concen: 4.514 ug/l
RT: 11.731 min Scan# 1668
Delta R.T. -0.006 min
Lab File: VD072365.D
Acq: 22 Mar 2022 16:32

Tgt Ion: 91 Resp: 299
Ion Ratio Lower Upper
91 100
106 0.0 24.2 36.4#

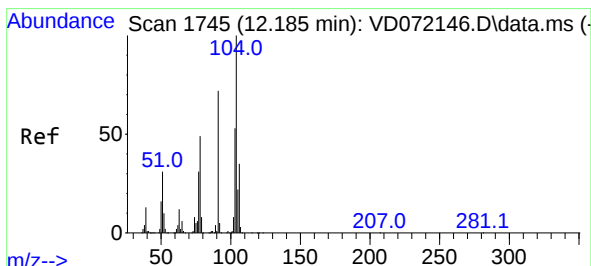
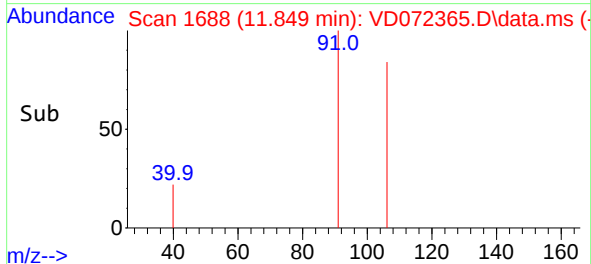
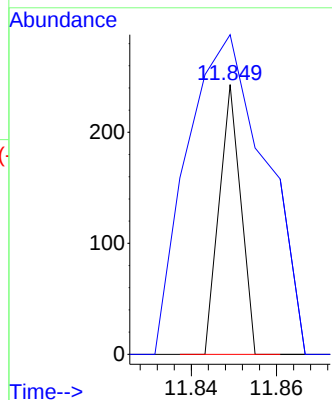
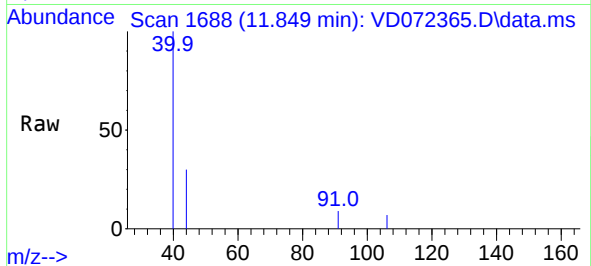




#68
m/p-Xylenes
Concen: 3.419 ug/l
RT: 11.849 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD072365.D
Acq: 22 Mar 2022 16:32

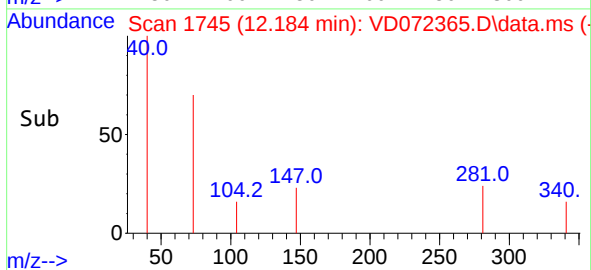
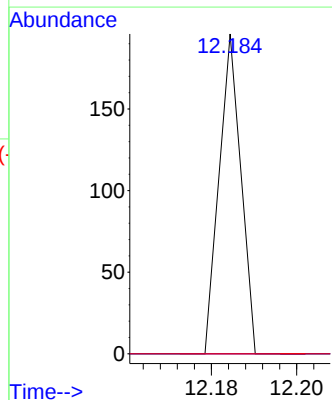
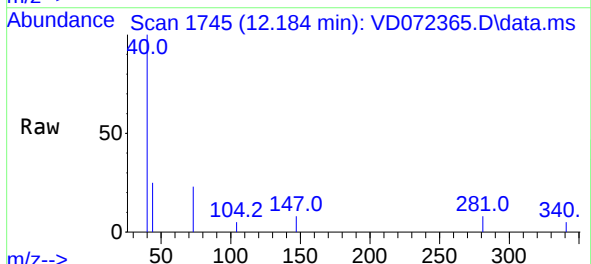
Instrument :
MSVOA_D
ClientSampleId :
MHA

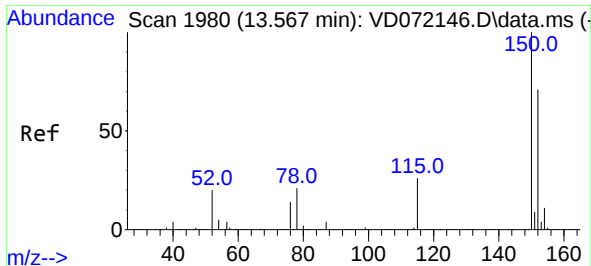
Tgt Ion:106 Resp: 86
Ion Ratio Lower Upper
106 100
91 427.9 163.7 245.5#



#70
Styrene
Concen: 1.642 ug/l
RT: 12.184 min Scan# 1745
Delta R.T. -0.000 min
Lab File: VD072365.D
Acq: 22 Mar 2022 16:32

Tgt Ion:104 Resp: 69
Ion Ratio Lower Upper
104 100
78 0.0 41.8 62.8#
103 0.0 44.2 66.4#

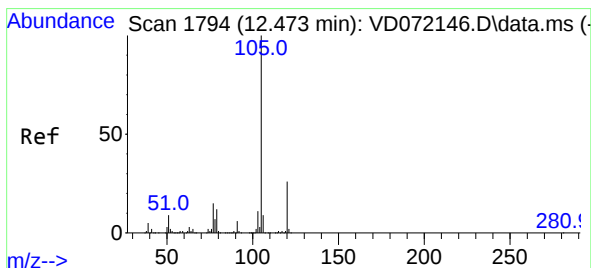
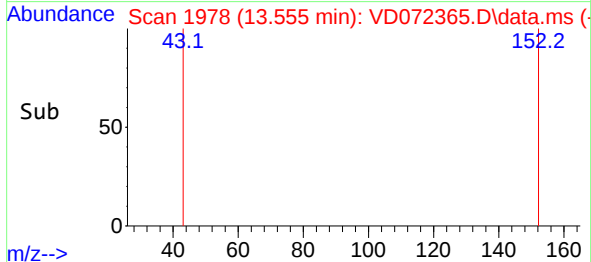
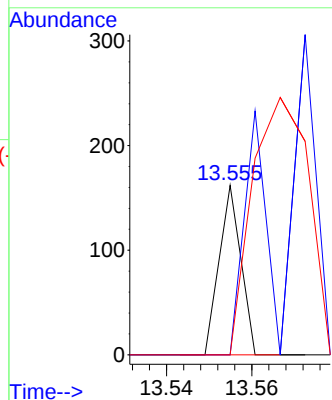
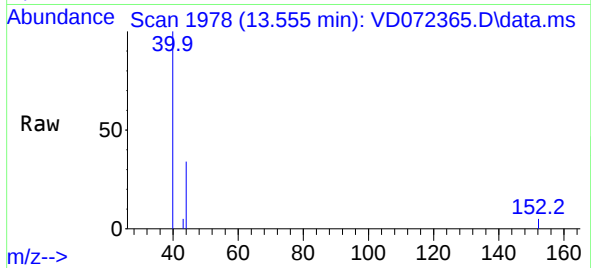




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.555 min Scan# 1978
Delta R.T. -0.012 min
Lab File: VD072365.D
Acq: 22 Mar 2022 16:32

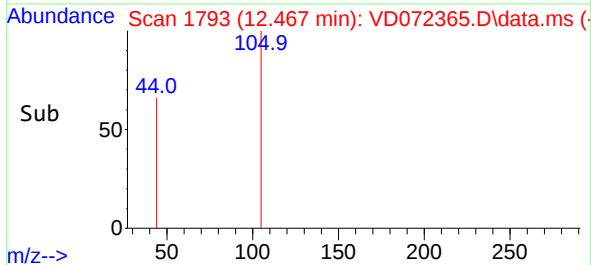
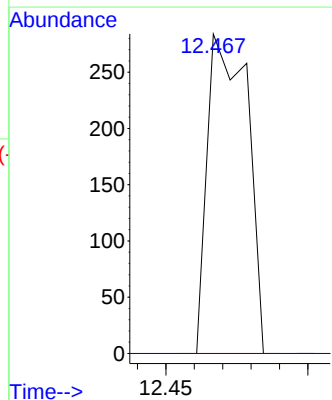
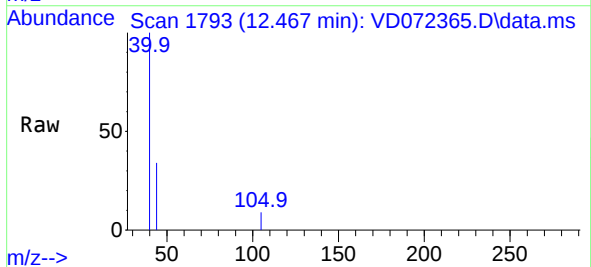
Instrument :
MSVOA_D
ClientSampleId :
MHA

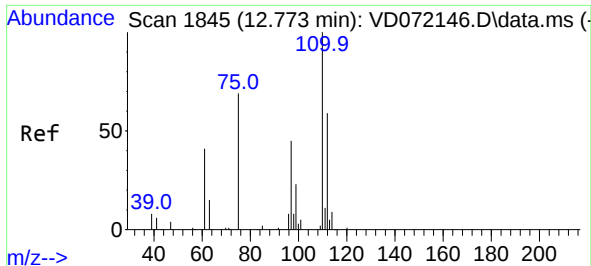
Tgt Ion:152 Resp: 57
Ion Ratio Lower Upper
152 100
115 143.9 31.3 93.8#
150 394.7 0.0 348.6#



#73
Isopropylbenzene
Concen: 61.324 ug/l
RT: 12.467 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VD072365.D
Acq: 22 Mar 2022 16:32

Tgt Ion:105 Resp: 277
Ion Ratio Lower Upper
105 100
120 0.0 13.0 38.9#

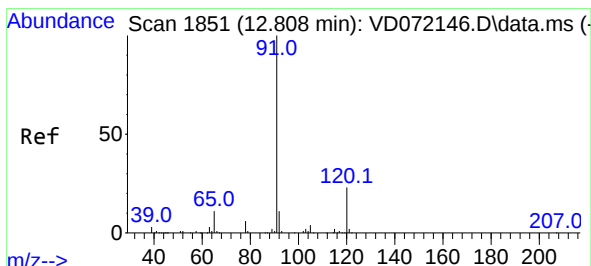
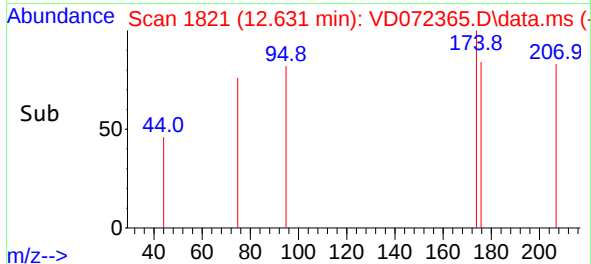
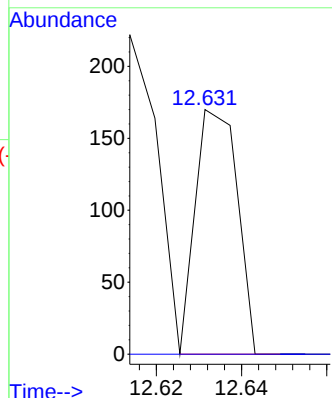
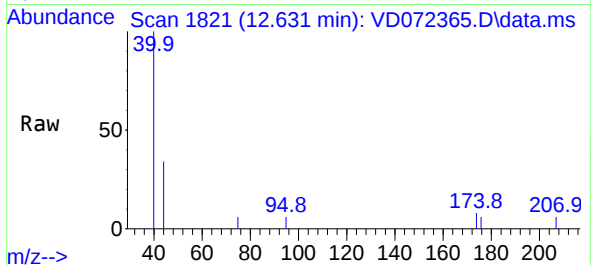




#76
1,2,3-Trichloropropane
Concen: 184.490 ug/l
RT: 12.631 min Scan# 116
Delta R.T. -0.142 min
Lab File: VD072365.D
Acq: 22 Mar 2022 16:32

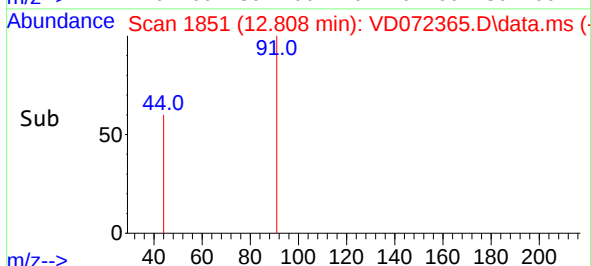
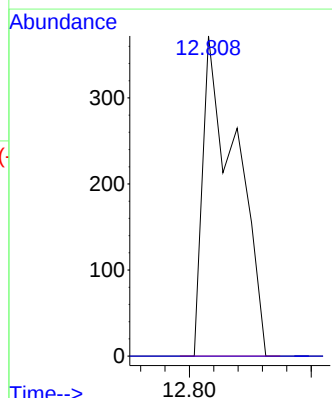
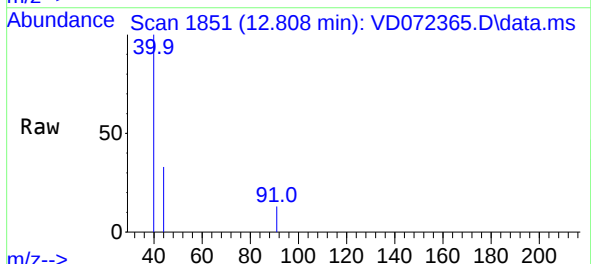
Instrument :
MSVOA_D
ClientSampleId :
MHA

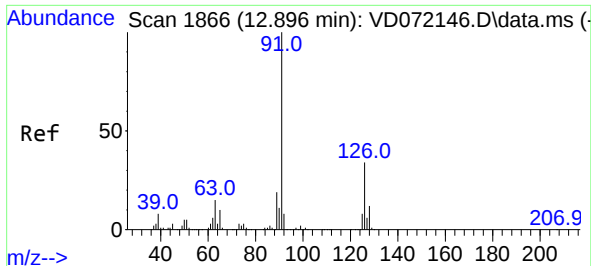
Tgt Ion: 75 Resp: 116
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#78
n-propylbenzene
Concen: 64.704 ug/l
RT: 12.808 min Scan# 1851
Delta R.T. -0.000 min
Lab File: VD072365.D
Acq: 22 Mar 2022 16:32

Tgt Ion: 91 Resp: 355
Ion Ratio Lower Upper
91 100
120 0.0 10.9 32.9#

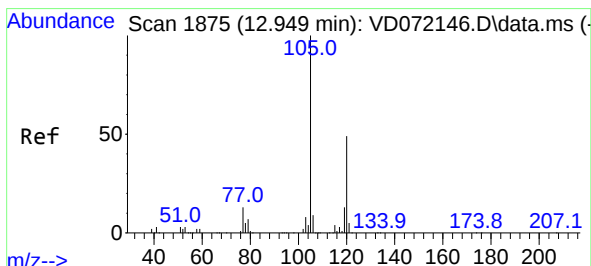
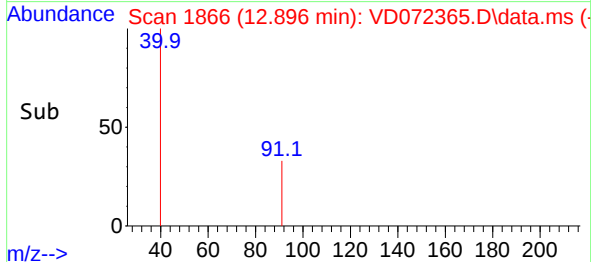
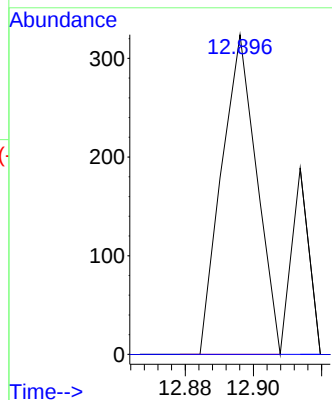
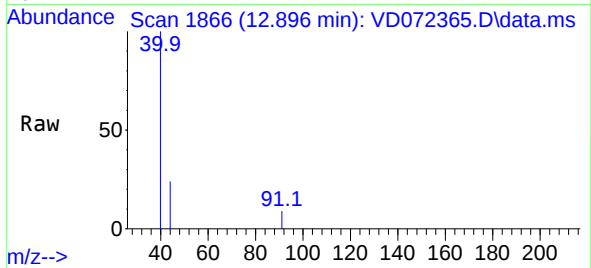




#79
2-Chlorotoluene
Concen: 73.127 ug/l
RT: 12.896 min Scan# 1866
Delta R.T. -0.000 min
Lab File: VD072365.D
Acq: 22 Mar 2022 16:32

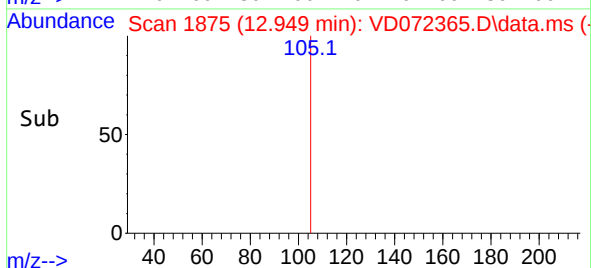
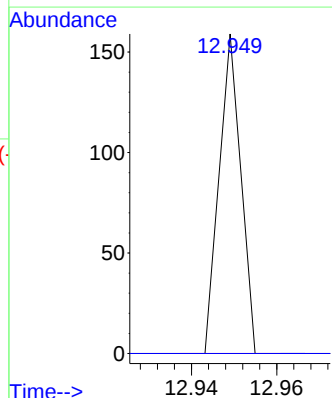
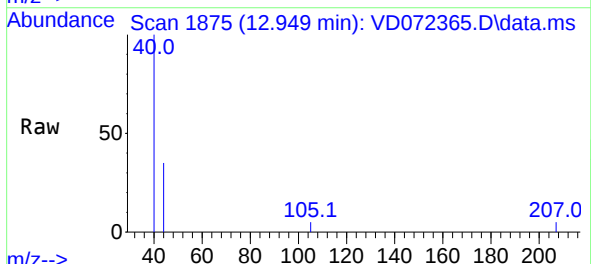
Instrument : MSVOA_D
ClientSampleId : MHA

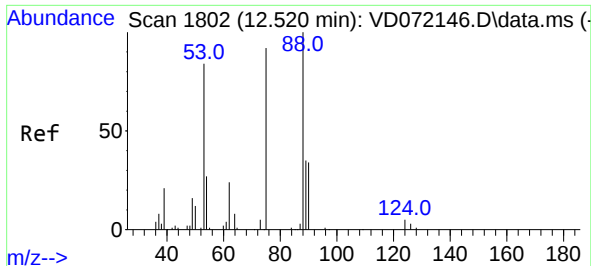
Tgt Ion: 91 Resp: 232
Ion Ratio Lower Upper
91 100
126 0.0 16.2 48.6#



#80
1,3,5-Trimethylbenzene
Concen: 14.431 ug/l
RT: 12.949 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VD072365.D
Acq: 22 Mar 2022 16:32

Tgt Ion: 105 Resp: 56
Ion Ratio Lower Upper
105 100
120 0.0 24.3 72.8#

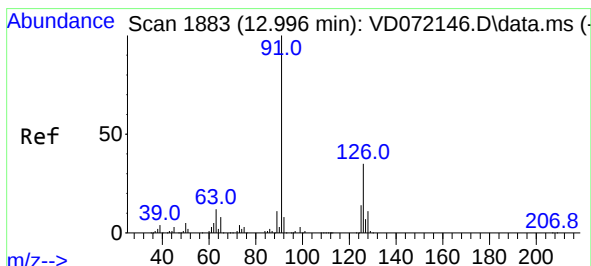
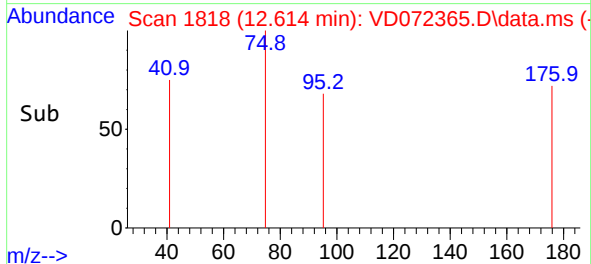
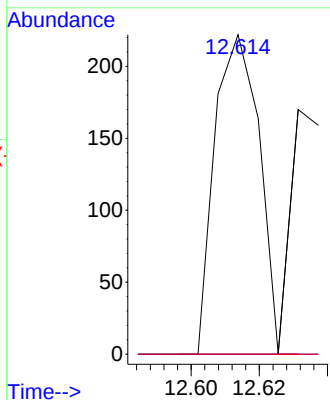
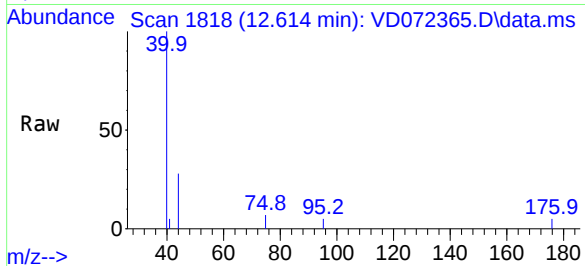




#81
trans-1,4-Dichloro-2-butene
Concen: 789.204 ug/l
RT: 12.614 min Scan# 1818
Delta R.T. 0.094 min
Lab File: VD072365.D
Acq: 22 Mar 2022 16:32

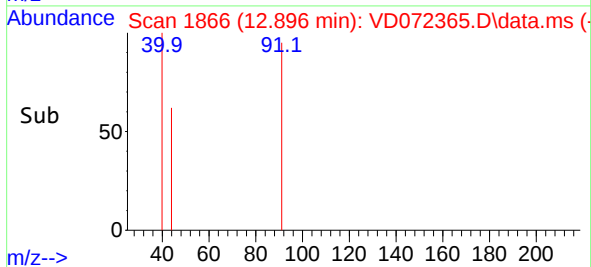
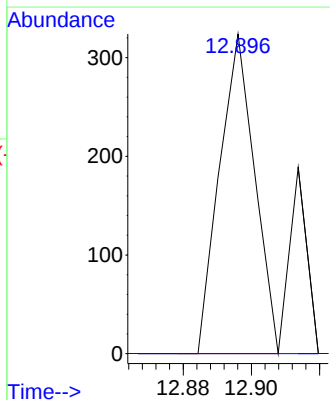
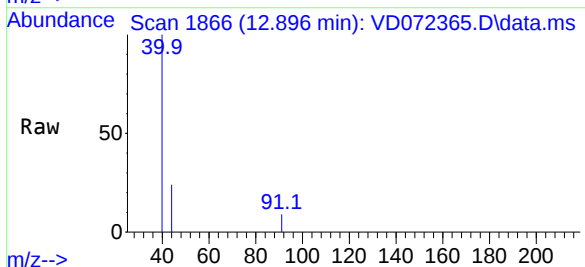
Instrument :
MSVOA_D
ClientSampleId :
MHA

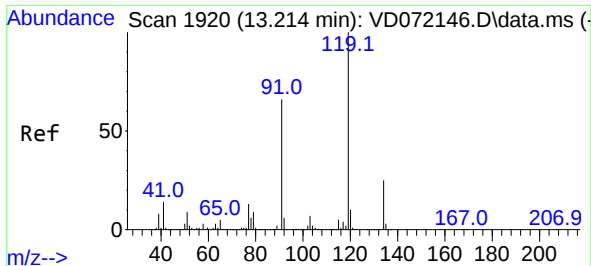
Tgt Ion: 75 Resp: 200
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.0 33.9 50.9#



#82
4-Chlorotoluene
Concen: 70.625 ug/l
RT: 12.896 min Scan# 1866
Delta R.T. -0.100 min
Lab File: VD072365.D
Acq: 22 Mar 2022 16:32

Tgt Ion: 91 Resp: 232
Ion Ratio Lower Upper
91 100
126 0.0 16.5 49.5#

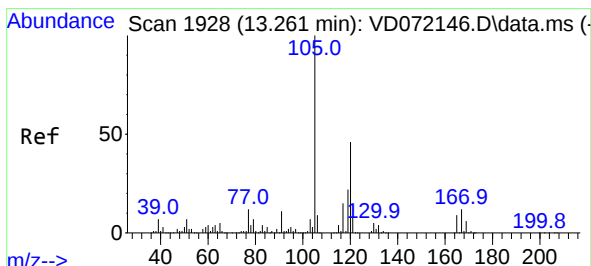
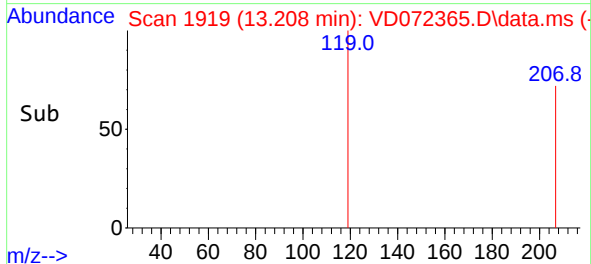
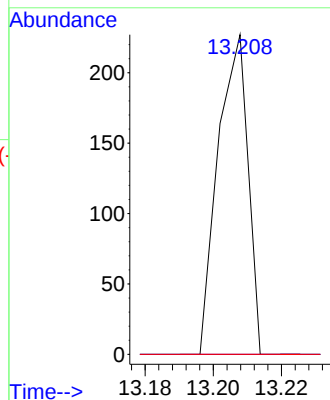
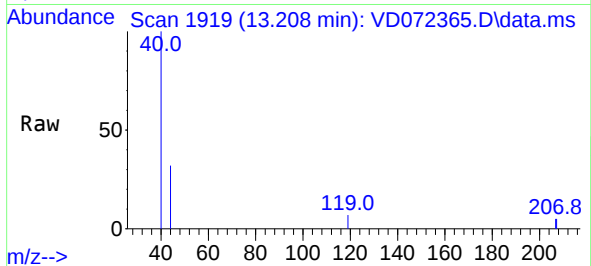




#83
tert-Butylbenzene
Concen: 40.563 ug/l
RT: 13.208 min Scan# 1919
Delta R.T. -0.006 min
Lab File: VD072365.D
Acq: 22 Mar 2022 16:32

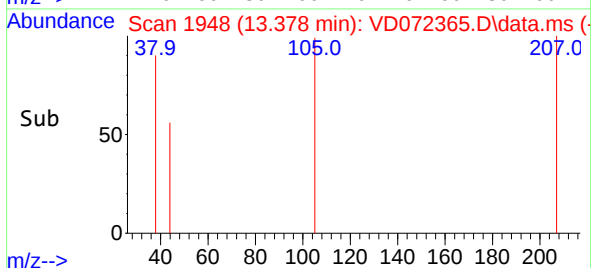
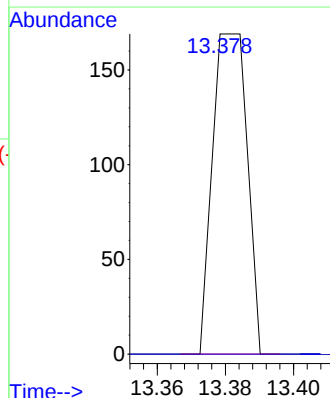
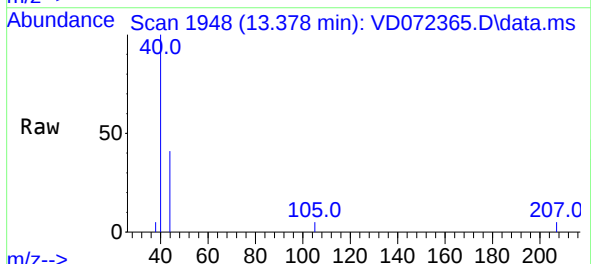
Instrument :
MSVOA_D
ClientSampleId :
MHA

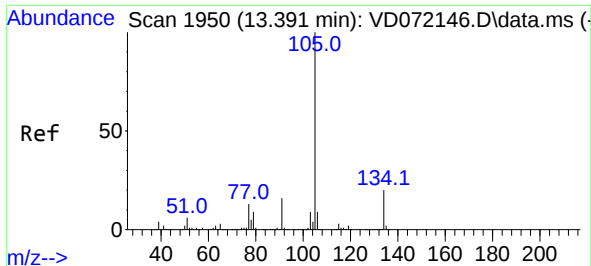
Tgt Ion:119 Resp: 138
Ion Ratio Lower Upper
119 100
91 0.0 34.8 104.5#
134 0.0 13.3 39.9#



#84
1,2,4-Trimethylbenzene
Concen: 31.123 ug/l
RT: 13.378 min Scan# 1948
Delta R.T. 0.117 min
Lab File: VD072365.D
Acq: 22 Mar 2022 16:32

Tgt Ion:105 Resp: 119
Ion Ratio Lower Upper
105 100
120 0.0 22.3 66.8#

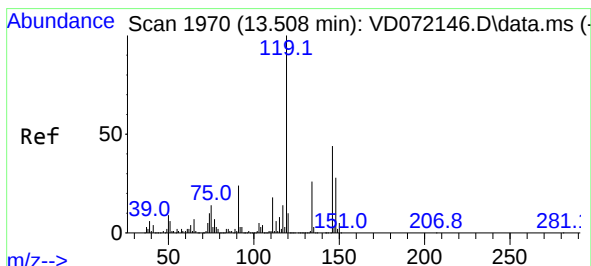
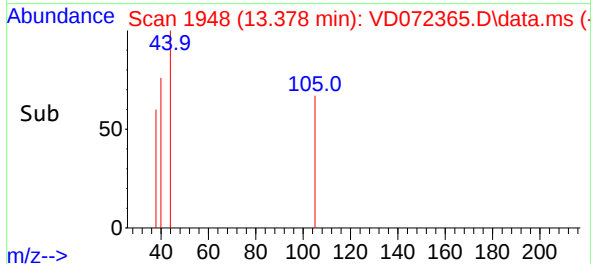
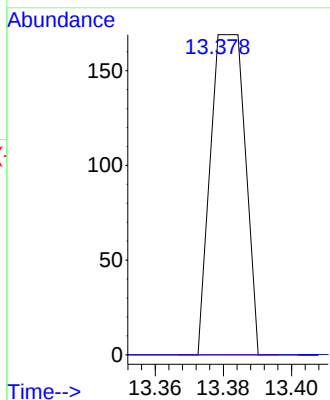
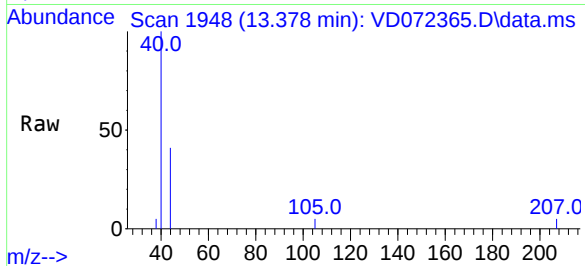




#85
sec-Butylbenzene
Concen: 23.292 ug/l
RT: 13.378 min Scan# 1948
Delta R.T. -0.012 min
Lab File: VD072365.D
Acq: 22 Mar 2022 16:32

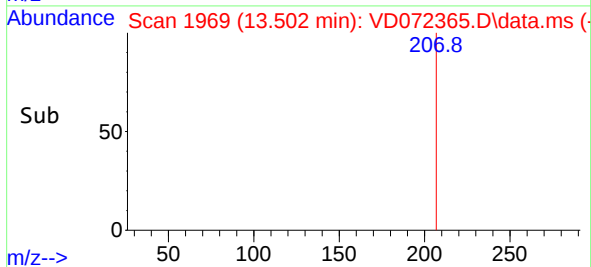
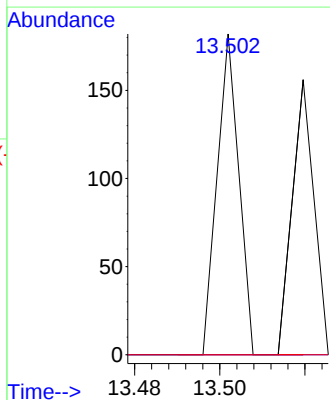
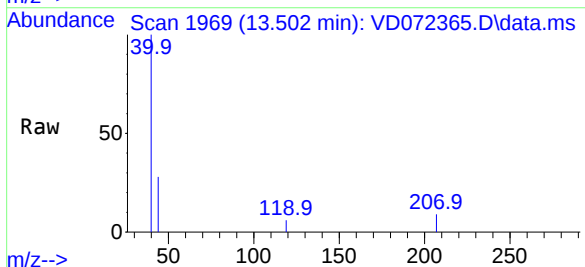
Instrument :
MSVOA_D
ClientSampleId :
MHA

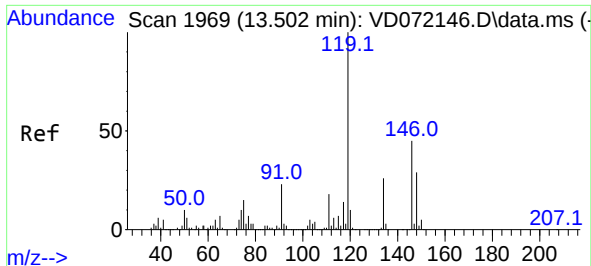
Tgt Ion:105 Resp: 119
Ion Ratio Lower Upper
105 100
134 0.0 9.8 29.3#



#86
p-Isopropyltoluene
Concen: 15.223 ug/l
RT: 13.502 min Scan# 1969
Delta R.T. -0.006 min
Lab File: VD072365.D
Acq: 22 Mar 2022 16:32

Tgt Ion:119 Resp: 64
Ion Ratio Lower Upper
119 100
134 0.0 12.9 38.6#
91 0.0 12.1 36.3#





#87

1,3-Dichlorobenzene

Concen: 29.098 ug/l

RT: 13.567 min Scan# 1980

Delta R.T. 0.064 min

Lab File: VD072365.D

Acq: 22 Mar 2022 16:32

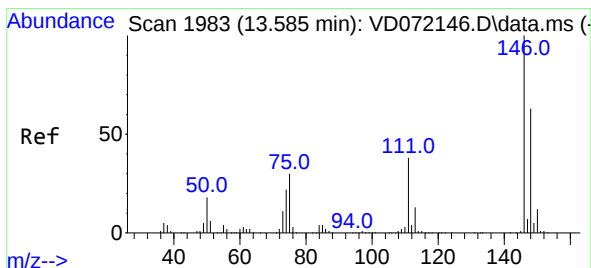
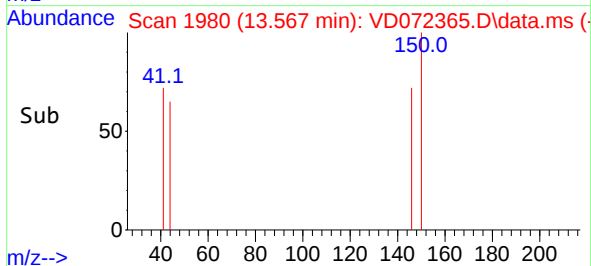
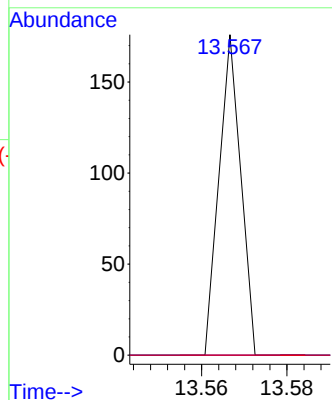
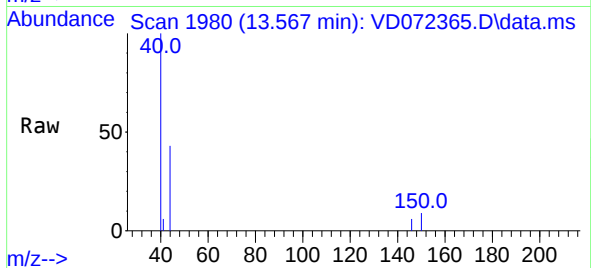
Instrument :

MSVOA_D

ClientSampleId :

MHA

Tgt Ion:146	Resp:	62
Ion Ratio	Lower	Upper
146	100	
111	0.0	20.4 61.3#
148	0.0	31.9 95.7#



#88

1,4-Dichlorobenzene

Concen: 29.344 ug/l

RT: 13.567 min Scan# 1980

Delta R.T. -0.018 min

Lab File: VD072365.D

Acq: 22 Mar 2022 16:32

Tgt Ion:146	Resp:	62
Ion Ratio	Lower	Upper
146	100	
111	0.0	20.3 60.9#
148	0.0	31.7 95.1#

