

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032122\
 Data File : VD072351.D
 Acq On : 21 Mar 2022 20:23
 Operator : VA/SY
 Sample : N1968-10
 Misc : 5.02G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 G-2-11-23-24

Quant Time: Mar 22 02:14:22 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)

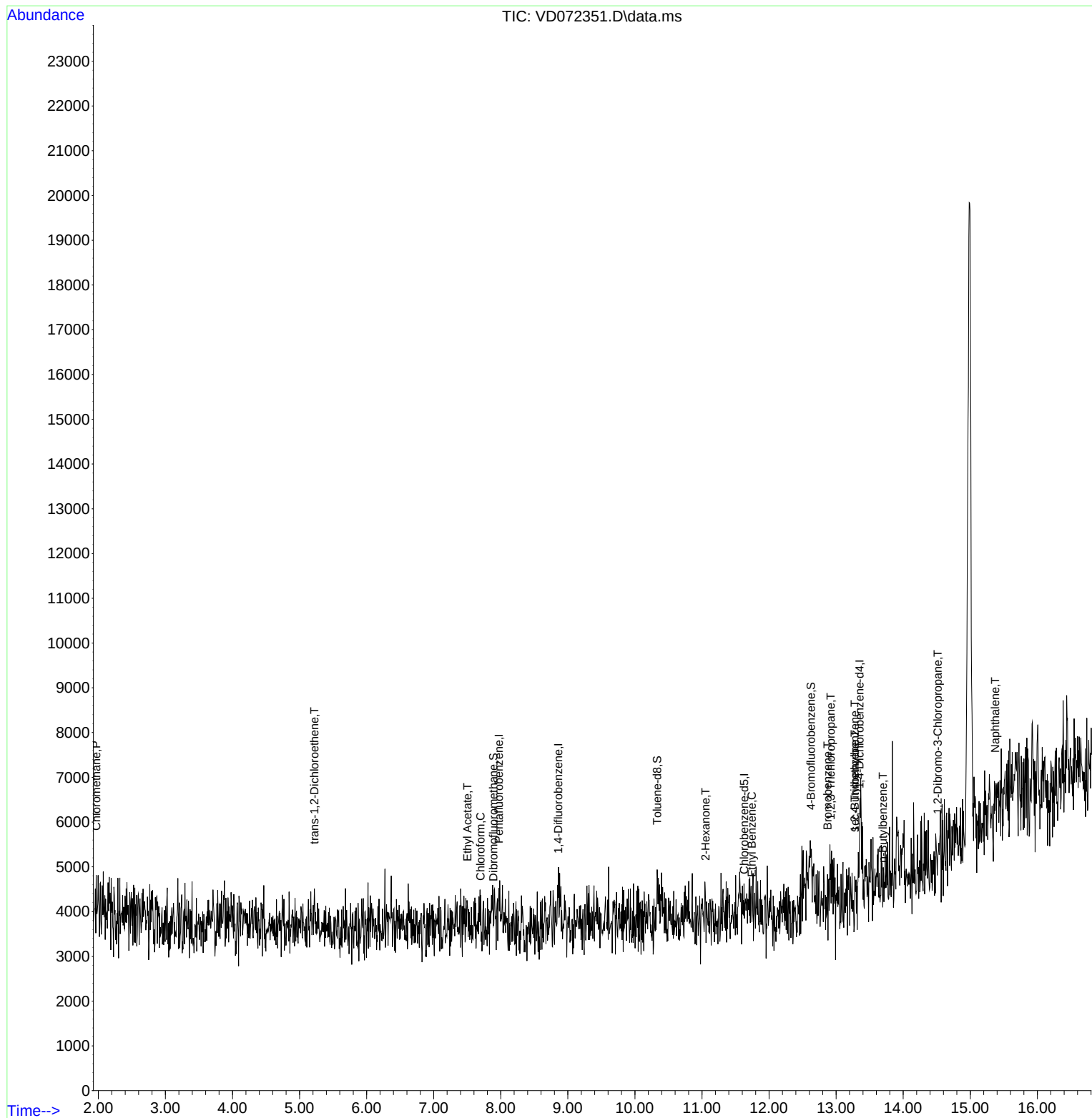
Internal Standards						
1) Pentafluorobenzene	7.973	168	584	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.855	114	958	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	569	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.349	152	178	50.000	ug/l	#-0.22
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	0.000	65	0	0.000	ug/l	
Spiked Amount	50.000	Range	50 - 163	Recovery	=	0.000%#
35) Dibromofluoromethane	7.891	113	283	41.979	ug/l	-0.02
Spiked Amount	50.000	Range	54 - 147	Recovery	=	83.960%
50) Toluene-d8	10.332	98	1158	46.977	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	93.960%
62) 4-Bromofluorobenzene	12.626	95	67	6.995	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	14.000%#
Target Compounds						
					Qvalue	
3) Chloromethane	1.967	50	61	12.709	ug/l	# 40
21) trans-1,2-Dichloroethene	5.220	96	59	9.938	ug/l	# 1
30) Chloroform	7.697	83	118	8.774	ug/l	# 17
37) Ethyl Acetate	7.502	43	96	23.173	ug/l	# 72
59) 2-Hexanone	11.055	43	59	20.227	ug/l	# 27
67) Ethyl Benzene	11.743	91	72	3.196	ug/l	# 44
76) 1,2,3-Trichloropropane	12.920	75	56	28.521	ug/l	# 100
77) Bromobenzene	12.873	156	64	20.159	ug/l	# 1
84) 1,2,4-Trimethylbenzene	13.279	105	57	4.774	ug/l	# 32
85) sec-Butylbenzene	13.279	105	57	3.573	ug/l	# 57
89) n-Butylbenzene	13.696	91	60	4.795	ug/l	# 33
92) 1,2-Dibromo-3-Chloropr...	14.514	75	70	173.865	ug/l	# 6
95) Naphthalene	15.373	128	160	24.167	ug/l	# 70

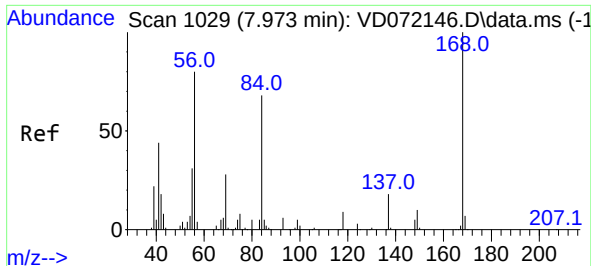
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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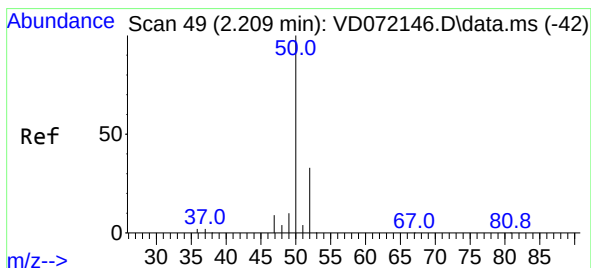
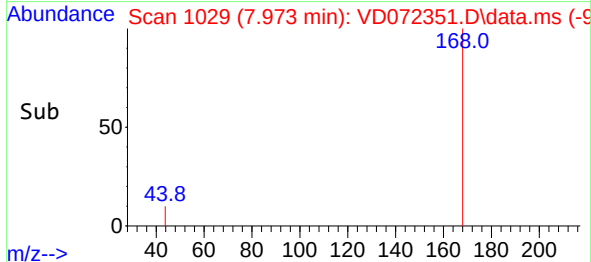
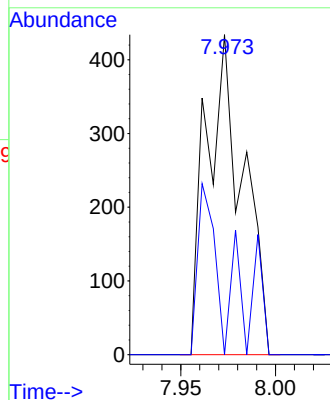
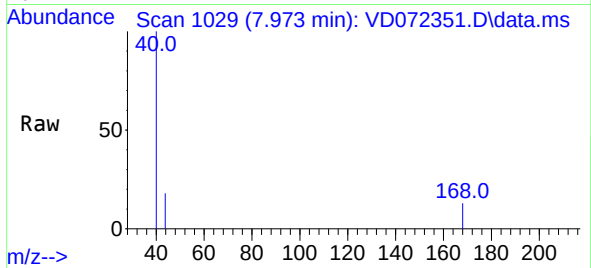




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 10
Delta R.T. 0.000 min
Lab File: VD072351.D
Acq: 21 Mar 2022 20:23

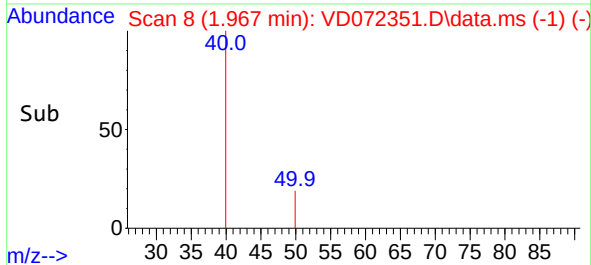
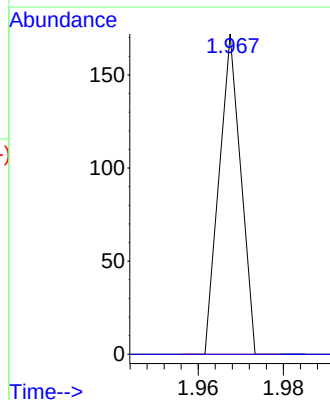
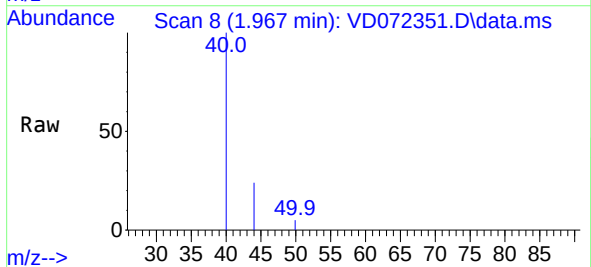
Instrument :
MSVOA_D
ClientSampleId :
G-2-11-23-24

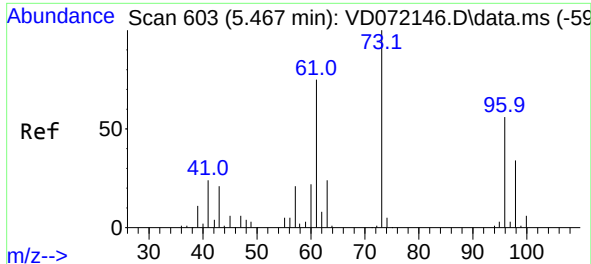
Tgt Ion:168 Resp: 584
Ion Ratio Lower Upper
168 100
99 0.0 49.8 74.6#



#3
Chloromethane
Concen: 12.709 ug/l
RT: 1.967 min Scan# 8
Delta R.T. -0.241 min
Lab File: VD072351.D
Acq: 21 Mar 2022 20:23

Tgt Ion: 50 Resp: 61
Ion Ratio Lower Upper
50 100
52 0.0 27.4 41.0#

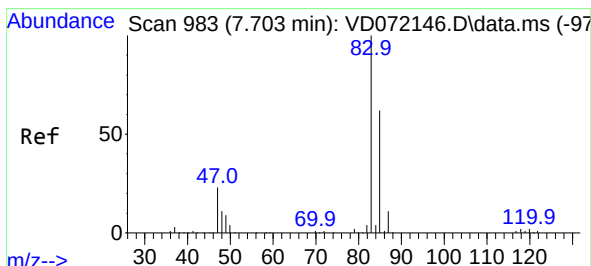
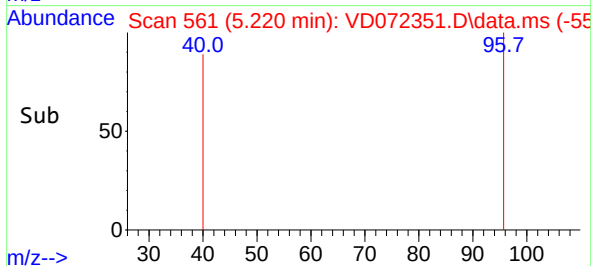
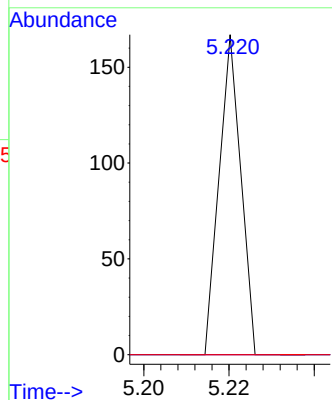
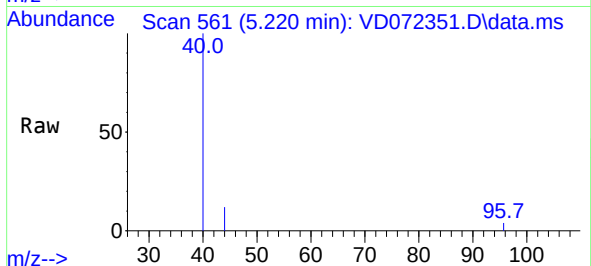




#21
trans-1,2-Dichloroethene
Concen: 9.938 ug/l
RT: 5.220 min Scan# 50
Delta R.T. -0.247 min
Lab File: VD072351.D
Acq: 21 Mar 2022 20:23

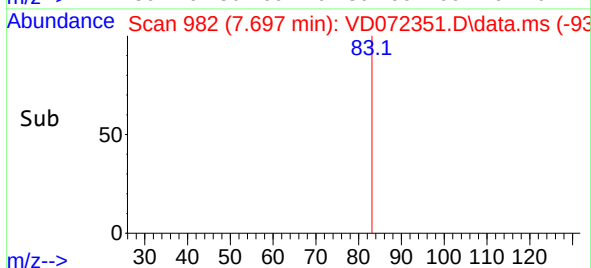
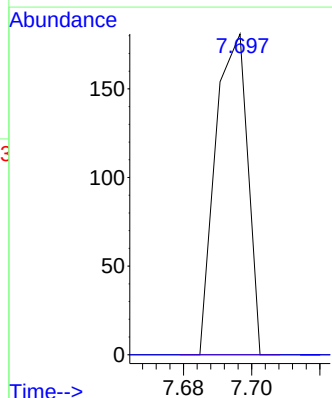
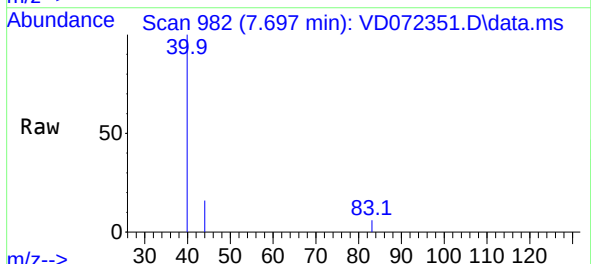
Instrument :
MSVOA_D
ClientSampleId :
G-2-11-23-24

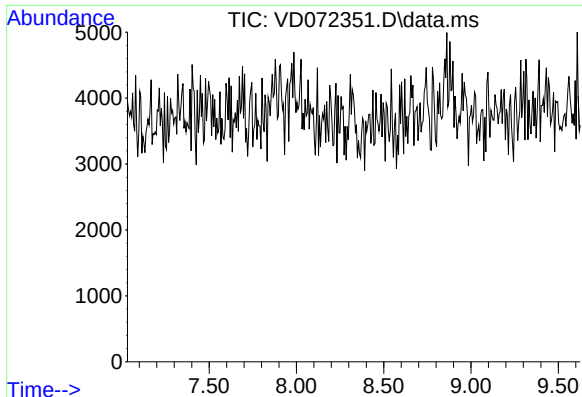
Tgt Ion: 96 Resp: 59
Ion Ratio Lower Upper
96 100
61 0.0 117.9 176.9#
98 0.0 49.4 74.2#



#30
Chloroform
Concen: 8.774 ug/l
RT: 7.697 min Scan# 982
Delta R.T. -0.006 min
Lab File: VD072351.D
Acq: 21 Mar 2022 20:23

Tgt Ion: 83 Resp: 118
Ion Ratio Lower Upper
83 100
85 0.0 52.7 79.1#

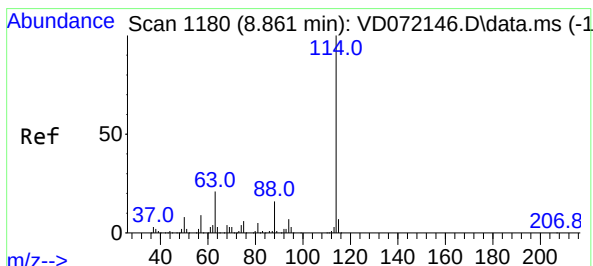
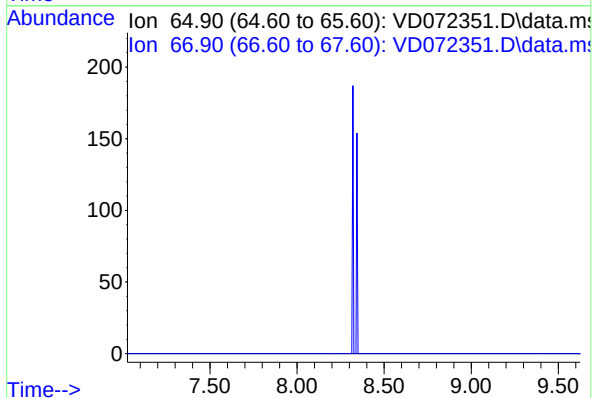




#33
 1,2-Dichloroethane-d4
 Concen: 0.000 ug/l
 Expected RT: 8.33 min
 Lab File: VD072351.D
 Acq: 21 Mar 2022 20:23

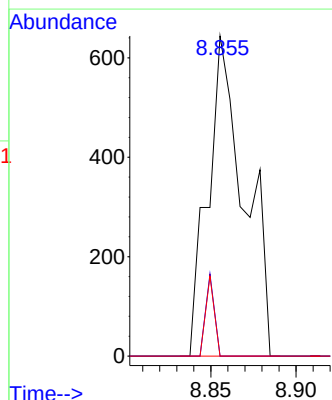
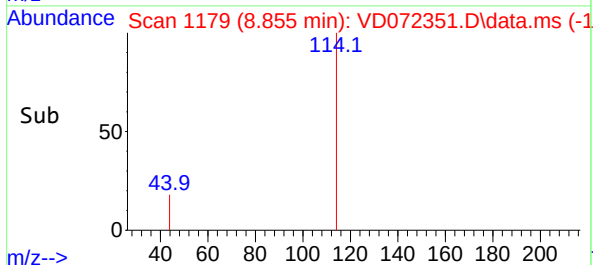
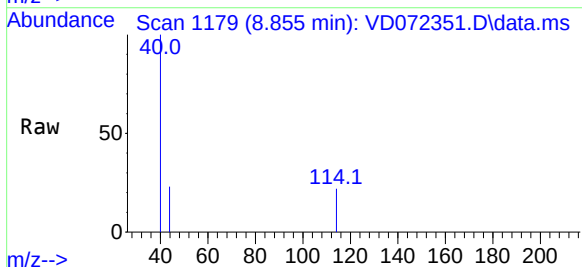
Instrument :
 MSVOA_D
 ClientSampleId :
 G-2-11-23-24

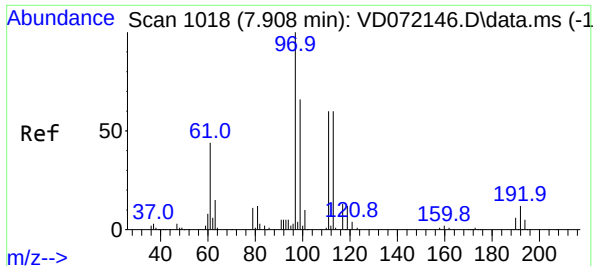
Tgt Ion: 65
 Sig Exp Ratio
 65 100
 67 50.7



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.855 min Scan# 1179
 Delta R.T. -0.006 min
 Lab File: VD072351.D
 Acq: 21 Mar 2022 20:23

Tgt Ion: 114 Resp: 958
 Ion Ratio Lower Upper
 114 100
 63 0.0 0.0 46.6
 88 0.0 0.0 33.2

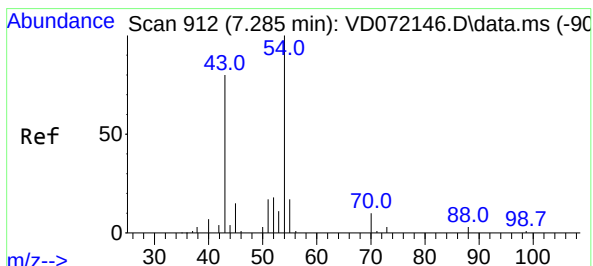
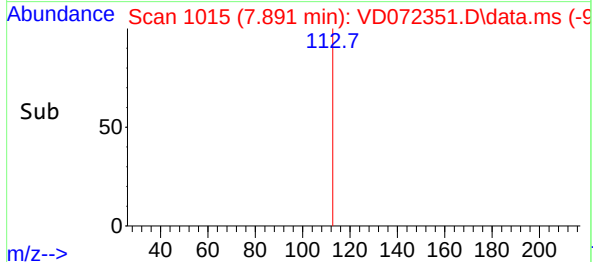
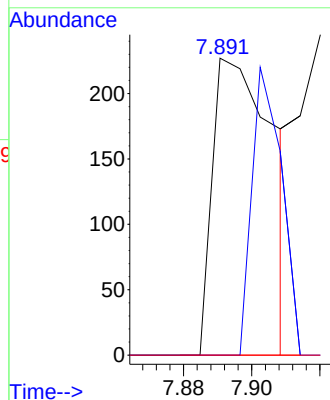
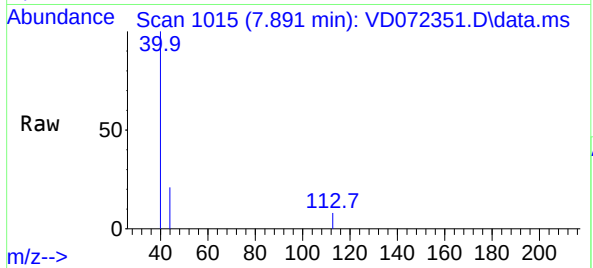




#35
Dibromofluoromethane
Concen: 41.979 ug/l
RT: 7.891 min Scan# 1018
Delta R.T. -0.018 min
Lab File: VD072351.D
Acq: 21 Mar 2022 20:23

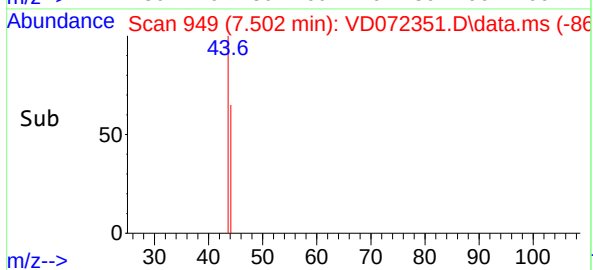
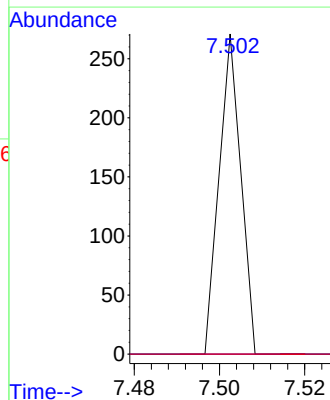
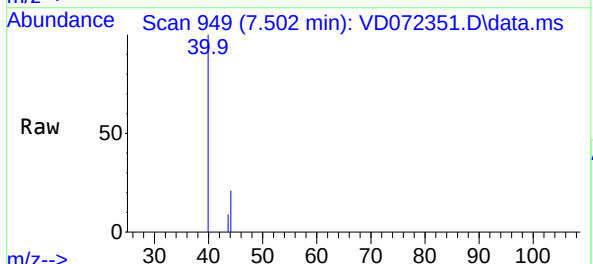
Instrument :
MSVOA_D
ClientSampleId :
G-2-11-23-24

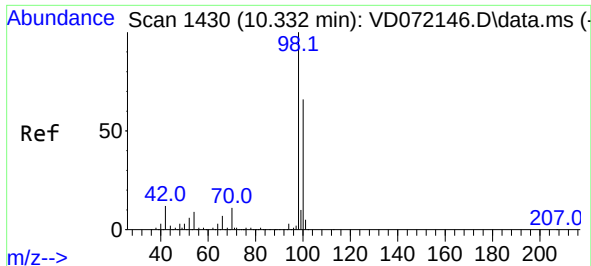
Tgt Ion:113 Resp: 283
Ion Ratio Lower Upper
113 100
111 47.0 83.8 125.6#
192 0.0 14.6 21.8#



#37
Ethyl Acetate
Concen: 23.173 ug/l
RT: 7.502 min Scan# 949
Delta R.T. 0.218 min
Lab File: VD072351.D
Acq: 21 Mar 2022 20:23

Tgt Ion: 43 Resp: 96
Ion Ratio Lower Upper
43 100
61 0.0 9.8 14.8#
70 0.0 6.9 10.3#

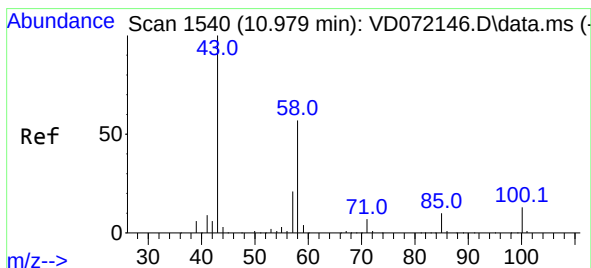
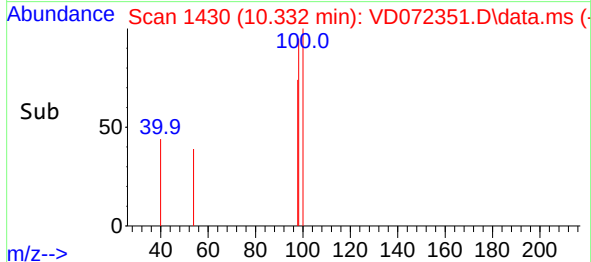
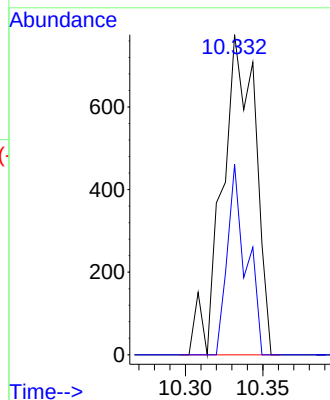
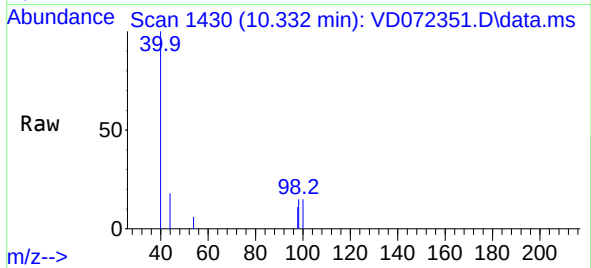




#50
Toluene-d8
Concen: 46.977 ug/l
RT: 10.332 min Scan# 14
Delta R.T. -0.000 min
Lab File: VD072351.D
Acq: 21 Mar 2022 20:23

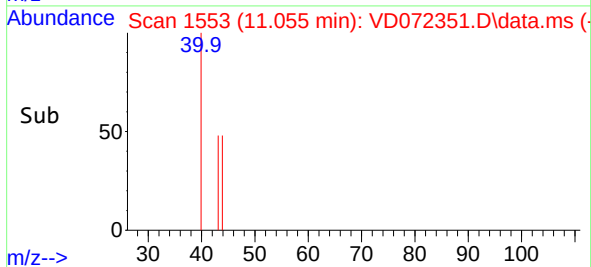
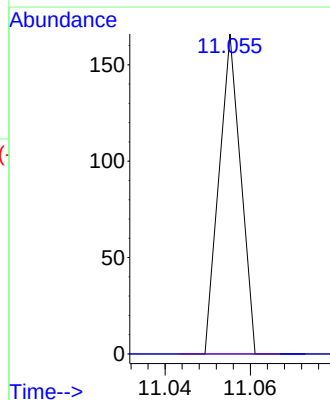
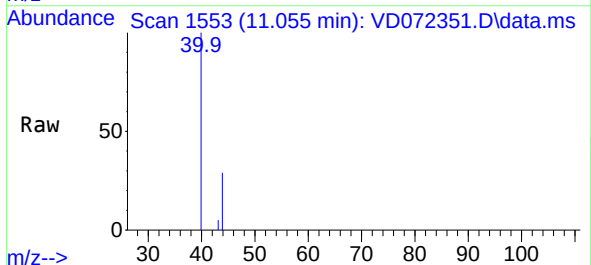
Instrument :
MSVOA_D
ClientSampleId :
G-2-11-23-24

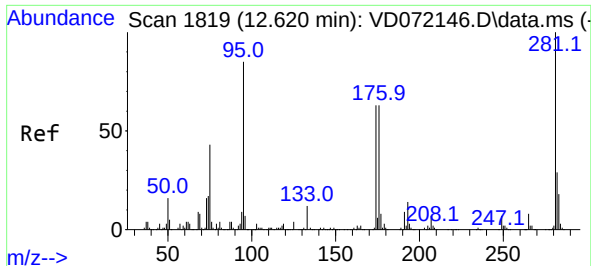
Tgt Ion: 98 Resp: 1158
Ion Ratio Lower Upper
98 100
100 33.7 52.4 78.6#



#59
2-Hexanone
Concen: 20.227 ug/l
RT: 11.055 min Scan# 1553
Delta R.T. 0.076 min
Lab File: VD072351.D
Acq: 21 Mar 2022 20:23

Tgt Ion: 43 Resp: 59
Ion Ratio Lower Upper
43 100
58 0.0 25.3 75.9#





#62

4-Bromofluorobenzene

Concen: 6.995 ug/l

RT: 12.626 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD072351.D

Acq: 21 Mar 2022 20:23

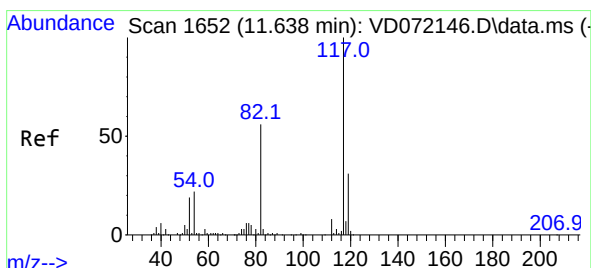
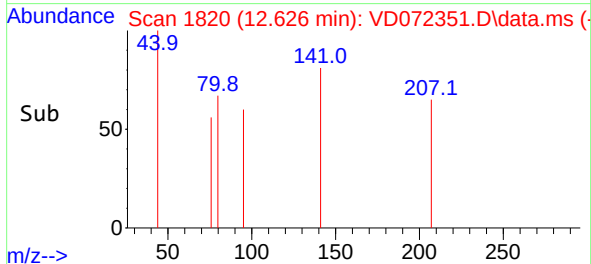
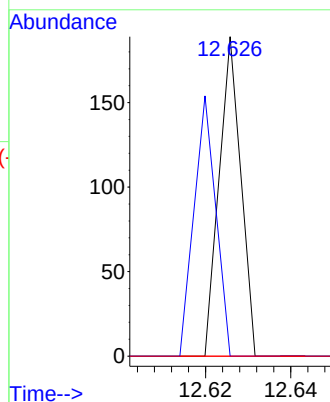
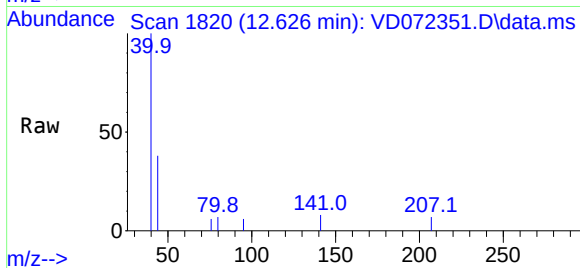
Instrument :

MSVOA_D

ClientSampleId :

G-2-11-23-24

Tgt Ion: 95	Resp:	67
Ion Ratio	Lower	Upper
95	100	
174	80.6	0.0 152.8
176	0.0	0.0 145.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

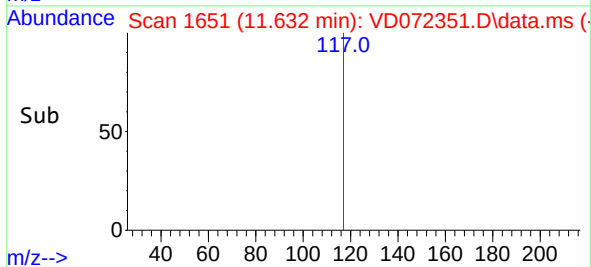
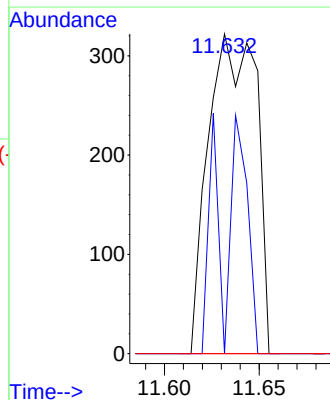
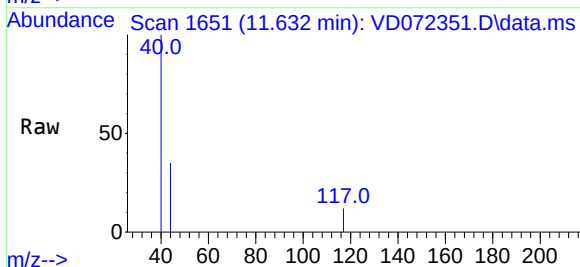
RT: 11.632 min Scan# 1651

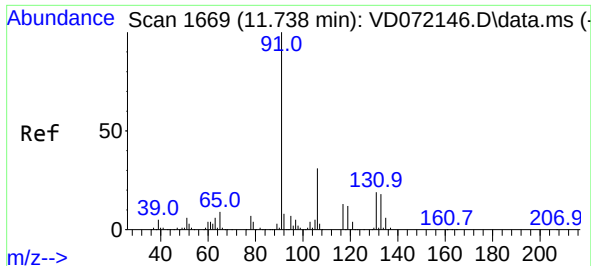
Delta R.T. -0.006 min

Lab File: VD072351.D

Acq: 21 Mar 2022 20:23

Tgt Ion: 117	Resp:	569
Ion Ratio	Lower	Upper
117	100	
82	0.0	45.3 67.9#
119	0.0	26.6 40.0#





#67

Ethyl Benzene

Concen: 3.196 ug/l

RT: 11.743 min Scan# 1

Delta R.T. 0.006 min

Lab File: VD072351.D

Acq: 21 Mar 2022 20:23

Instrument :

MSVOA_D

ClientSampleId :

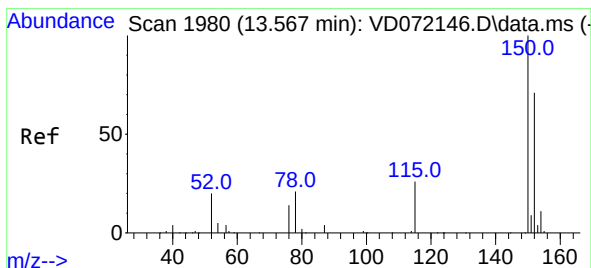
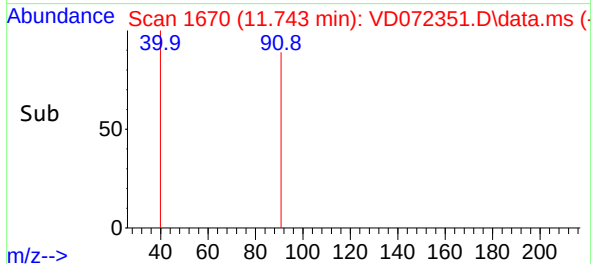
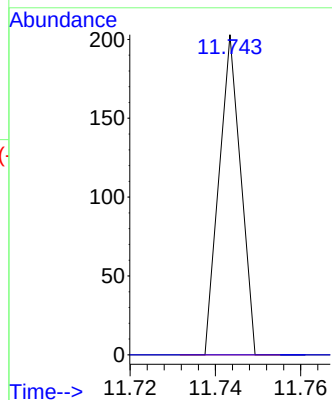
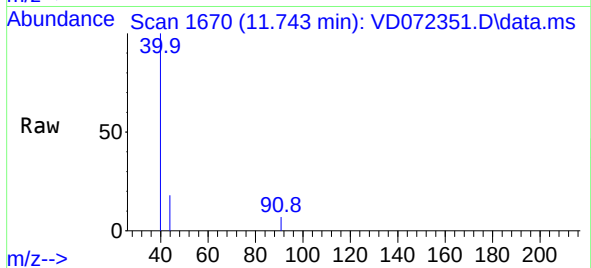
G-2-11-23-24

Tgt Ion: 91 Resp: 72

Ion Ratio Lower Upper

91 100

106 0.0 24.2 36.4#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.349 min Scan# 1943

Delta R.T. -0.218 min

Lab File: VD072351.D

Acq: 21 Mar 2022 20:23

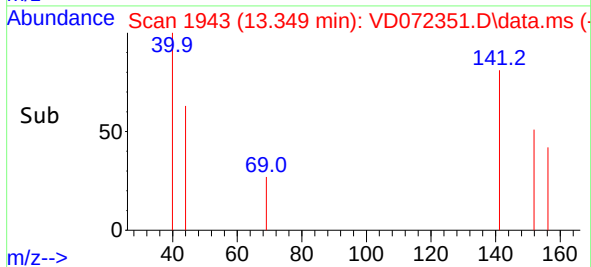
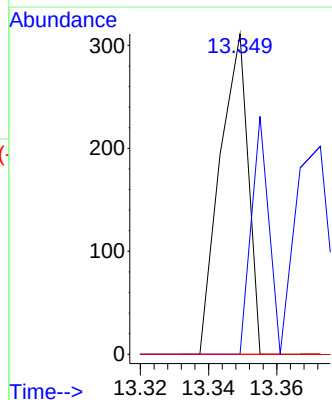
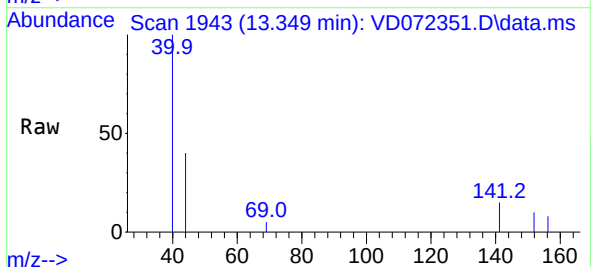
Tgt Ion: 152 Resp: 178

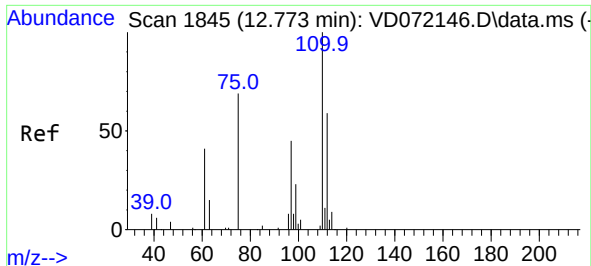
Ion Ratio Lower Upper

152 100

115 46.1 31.3 93.8

150 0.0 0.0 348.6

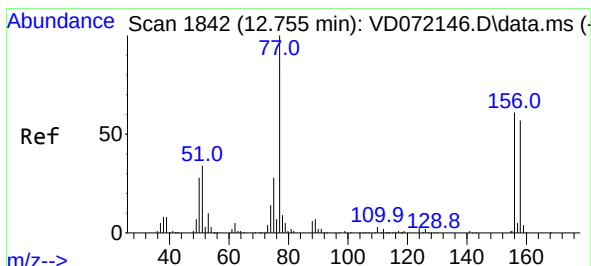
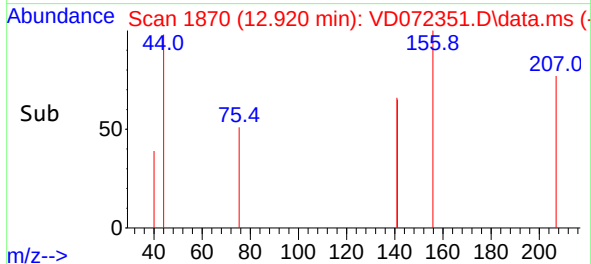
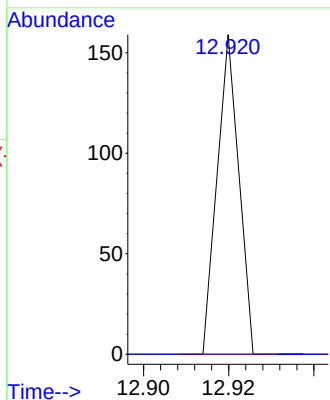
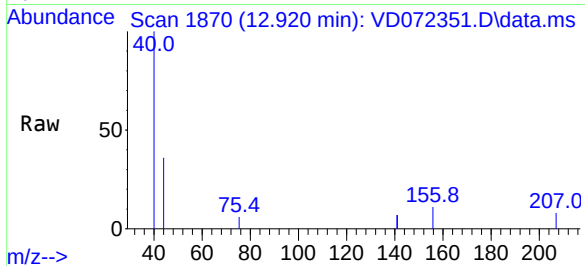




#76
1,2,3-Trichloropropane
Concen: 28.521 ug/l
RT: 12.920 min Scan# 1862
Delta R.T. 0.147 min
Lab File: VD072351.D
Acq: 21 Mar 2022 20:23

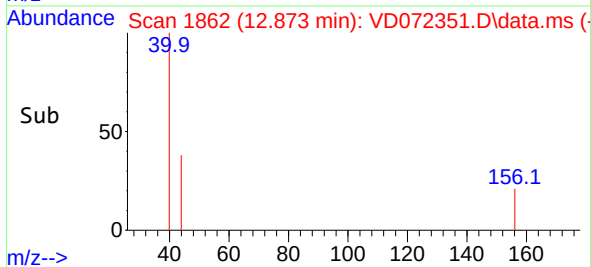
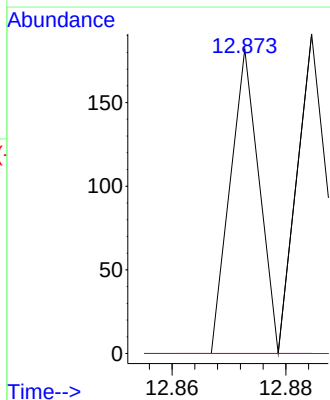
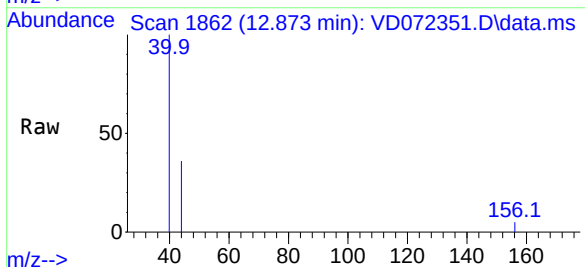
Instrument :
MSVOA_D
ClientSampleId :
G-2-11-23-24

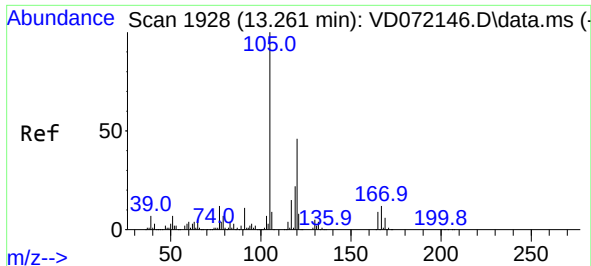
Tgt Ion: 75 Resp: 56
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#77
Bromobenzene
Concen: 20.159 ug/l
RT: 12.873 min Scan# 1862
Delta R.T. 0.118 min
Lab File: VD072351.D
Acq: 21 Mar 2022 20:23

Tgt Ion: 156 Resp: 64
Ion Ratio Lower Upper
156 100
77 0.0 102.8 308.3#
158 0.0 48.7 146.1#

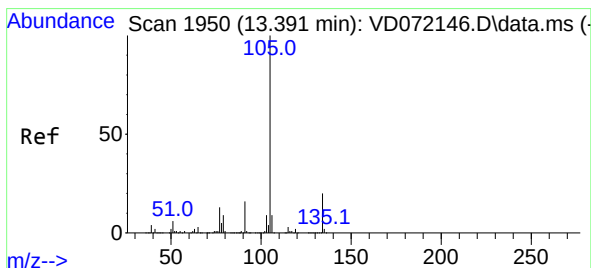
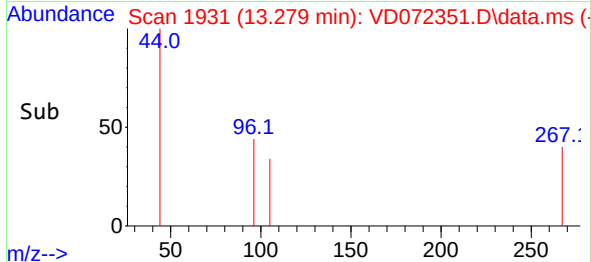
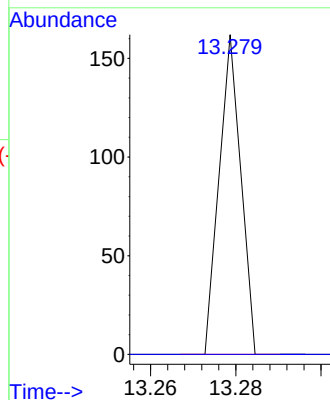
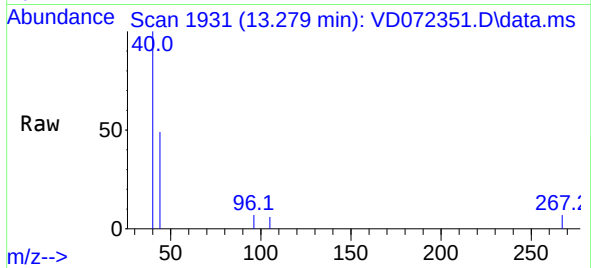




#84
1,2,4-Trimethylbenzene
Concen: 4.774 ug/l
RT: 13.279 min Scan# 1931
Delta R.T. 0.018 min
Lab File: VD072351.D
Acq: 21 Mar 2022 20:23

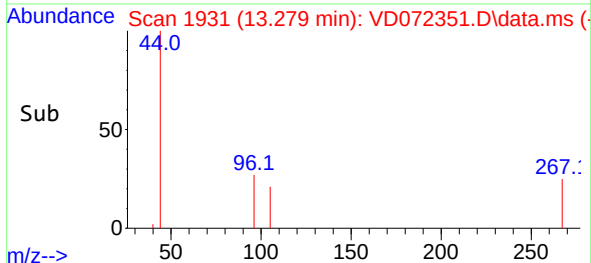
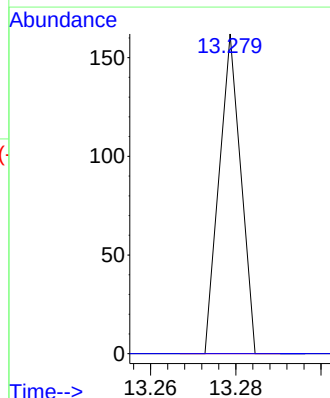
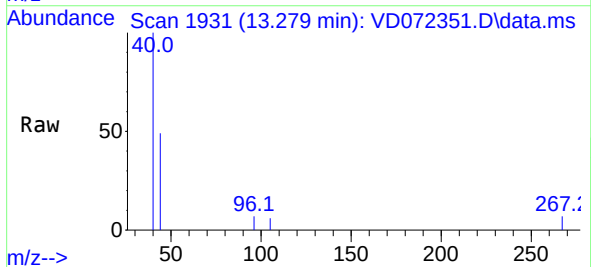
Instrument :
MSVOA_D
ClientSampleId :
G-2-11-23-24

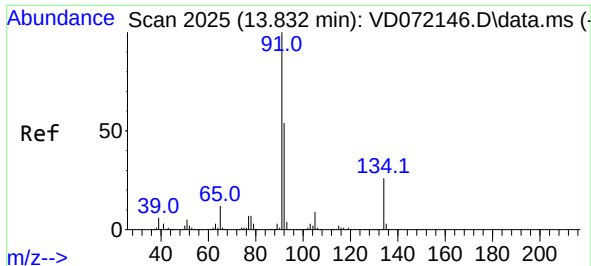
Tgt Ion:105 Resp: 57
Ion Ratio Lower Upper
105 100
120 0.0 22.3 66.8#



#85
sec-Butylbenzene
Concen: 3.573 ug/l
RT: 13.279 min Scan# 1931
Delta R.T. -0.112 min
Lab File: VD072351.D
Acq: 21 Mar 2022 20:23

Tgt Ion:105 Resp: 57
Ion Ratio Lower Upper
105 100
134 0.0 9.8 29.3#





#89

n-Butylbenzene

Concen: 4.795 ug/l

RT: 13.696 min Scan# 20

Delta R.T. -0.135 min

Lab File: VD072351.D

Acq: 21 Mar 2022 20:23

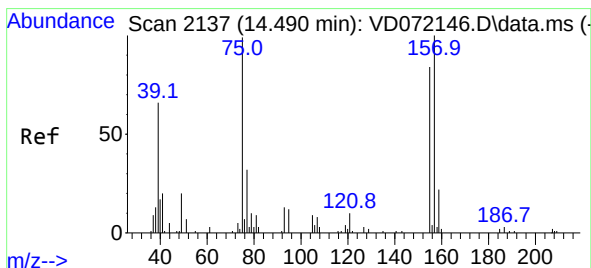
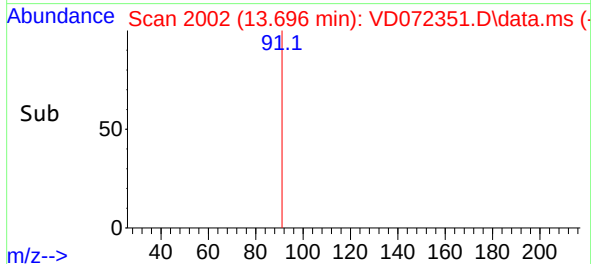
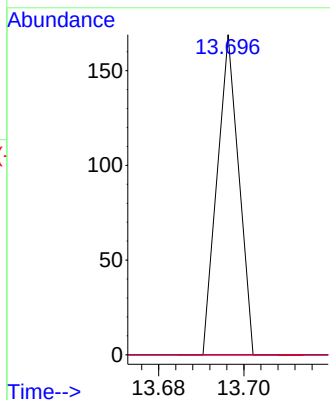
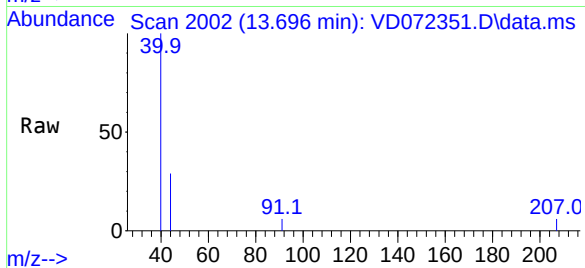
Instrument :

MSVOA_D

ClientSampleId :

G-2-11-23-24

Tgt Ion:	91	Resp:	60
Ion	Ratio	Lower	Upper
91	100		
92	0.0	26.6	79.8#
134	0.0	12.3	36.9#



#92

1,2-Dibromo-3-Chloropropane

Concen: 173.865 ug/l

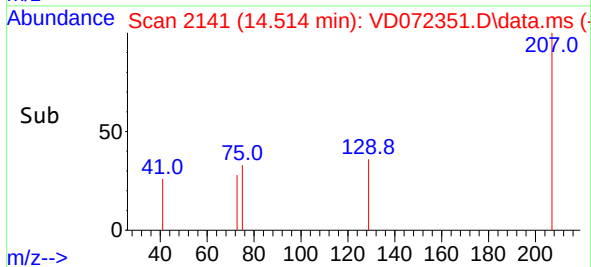
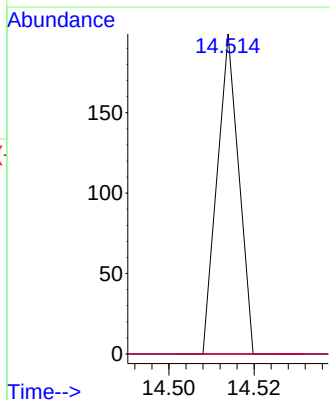
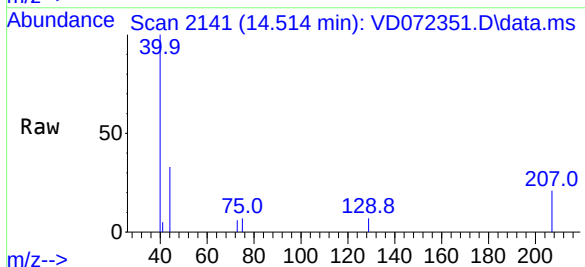
RT: 14.514 min Scan# 2141

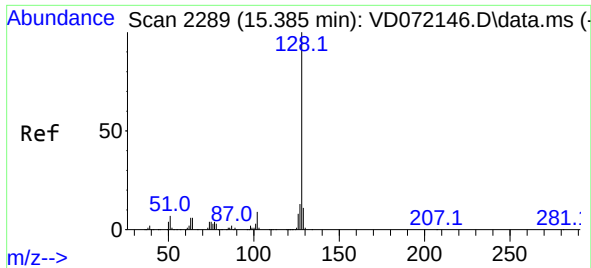
Delta R.T. 0.023 min

Lab File: VD072351.D

Acq: 21 Mar 2022 20:23

Tgt Ion:	75	Resp:	70
Ion	Ratio	Lower	Upper
75	100		
155	0.0	36.8	110.3#
157	0.0	48.4	145.0#





#95
 Naphthalene
 Concen: 24.167 ug/l
 RT: 15.373 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: VD072351.D
 Acq: 21 Mar 2022 20:23

Instrument :
 MSVOA_D
 ClientSampleId :
 G-2-11-23-24

Tgt Ion:	128	Resp:	160
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.4	12.6#

