

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060221\
 Data File : VD069304.D
 Acq On : 02 Jun 2021 16:30
 Operator : VA/SY
 Sample : M2580-05
 Misc : 13.69G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 18-B2(2-4)

Quant Time: Jun 03 01:09:46 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060121S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 02 02:17:36 2021
 Response via : Initial Calibration

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

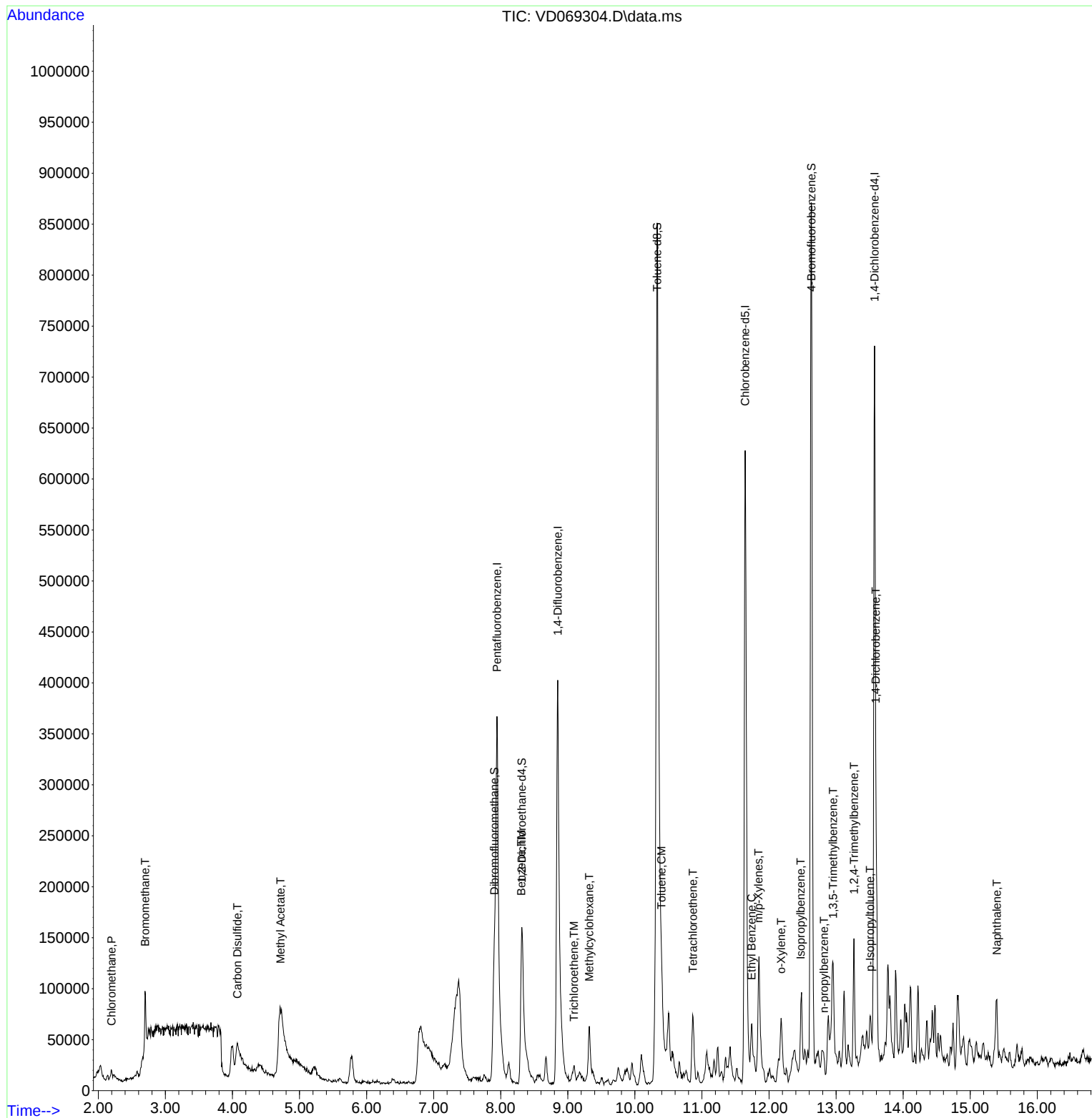
Internal Standards						
1) Pentafluorobenzene	7.944	168	279571	50.000	ug/l	-0.04
34) 1,4-Difluorobenzene	8.850	114	517494	50.000	ug/l	-0.02
63) Chlorobenzene-d5	11.644	117	475117	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	197134	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.314	65	160259	59.742	ug/l	-0.02
Spiked Amount	50.000	Range	50 - 163	Recovery	= 119.480%	
35) Dibromofluoromethane	7.903	113	169508	52.160	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.320%	
50) Toluene-d8	10.332	98	683543	57.843	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 115.680%	
62) 4-Bromofluorobenzene	12.632	95	199740	51.583	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 103.160%	
Target Compounds						Qvalue
3) Chloromethane	2.197	50	12381	5.573	ug/l	99
5) Bromomethane	2.697	94	29652	17.958	ug/l	92
17) Carbon Disulfide	4.073	76	116914m	12.609	ug/l	
18) Methyl Acetate	4.715	43	265129	209.288	ug/l	97
39) Methylcyclohexane	9.320	83	23868	4.639	ug/l	96
40) Benzene	8.309	78	57127	3.910	ug/l #	88
44) Trichloroethene	9.091	130	8292	2.089	ug/l	94
52) Toluene	10.397	92	47531	5.155	ug/l	100
64) Tetrachloroethene	10.867	164	16547	5.003	ug/l	94
67) Ethyl Benzene	11.738	91	40144	2.407	ug/l	95
68) m/p-Xylenes	11.844	106	31830	4.870	ug/l	95
69) o-Xylene	12.179	106	16702	2.889	ug/l	99
73) Isopropylbenzene	12.473	105	18164	1.346	ug/l	96
78) n-propylbenzene	12.820	91	17961	1.085	ug/l	98
80) 1,3,5-Trimethylbenzene	12.955	105	32911	2.880	ug/l	100
84) 1,2,4-Trimethylbenzene	13.267	105	70337	6.190	ug/l	97
86) p-Isopropyltoluene	13.508	119	17852	1.446	ug/l	93
88) 1,4-Dichlorobenzene	13.591	146	10879	1.660	ug/l #	73
95) Naphthalene	15.396	128	58838	11.470	ug/l	96

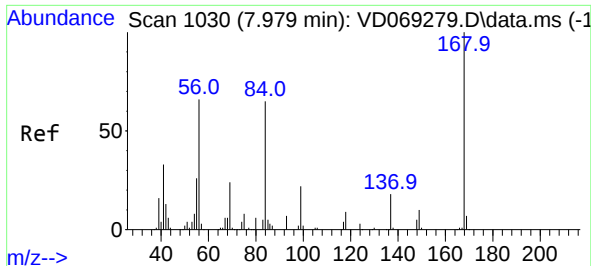
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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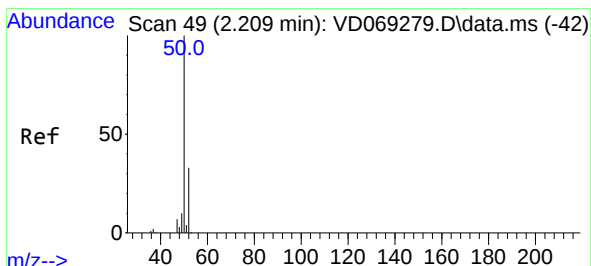
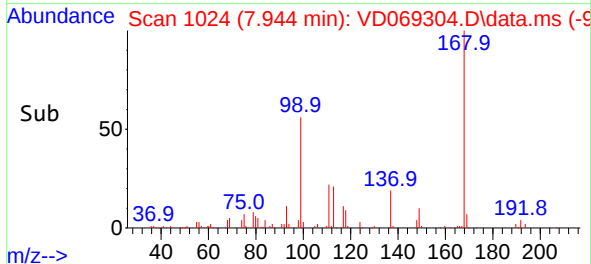
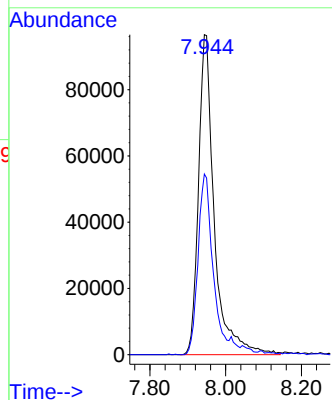
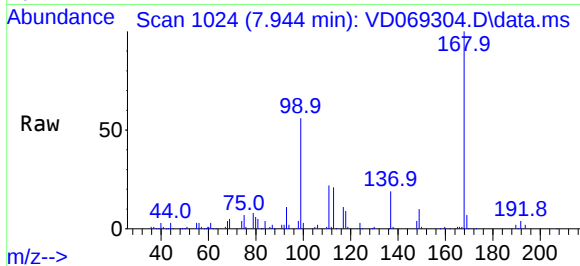




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.944 min Scan# 1024
Delta R.T. -0.035 min
Lab File: VD069304.D
Acq: 02 Jun 2021 16:30

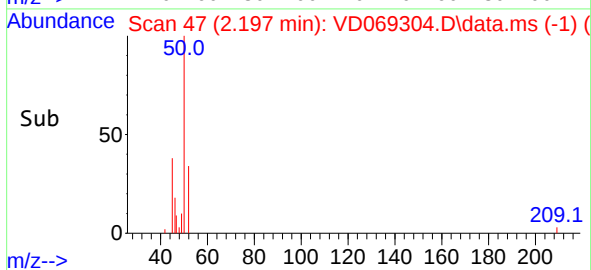
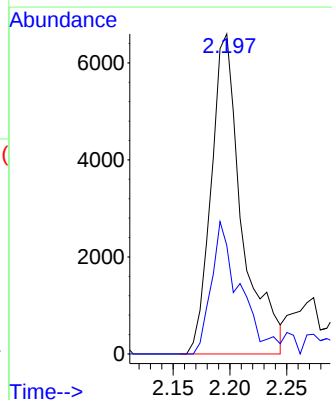
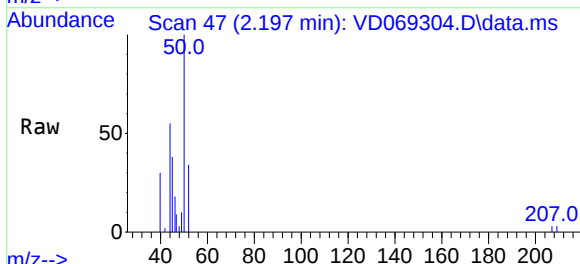
Instrument :
MSVOA_D
ClientSampleId :
18-B2(2-4)

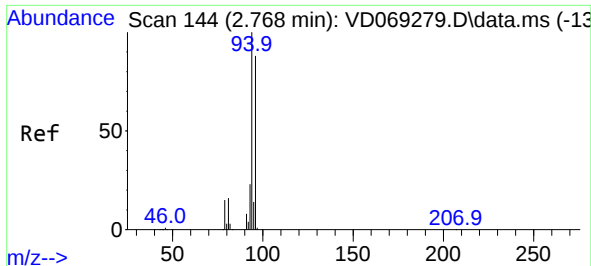
Tgt Ion:168 Resp: 279571
Ion Ratio Lower Upper
168 100
99 56.5 46.2 69.2



#3
Chloromethane
Concen: 5.573 ug/l
RT: 2.197 min Scan# 47
Delta R.T. -0.012 min
Lab File: VD069304.D
Acq: 02 Jun 2021 16:30

Tgt Ion: 50 Resp: 12381
Ion Ratio Lower Upper
50 100
52 33.9 26.7 40.1

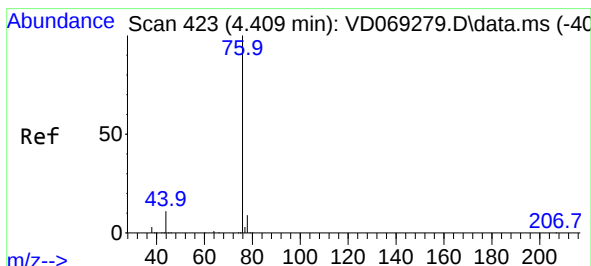
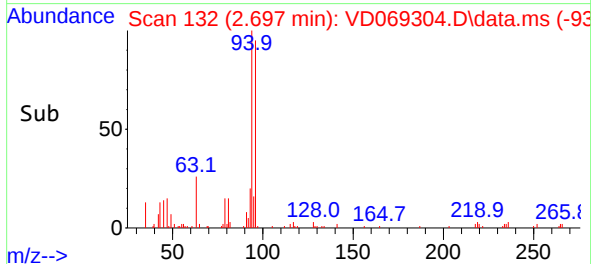
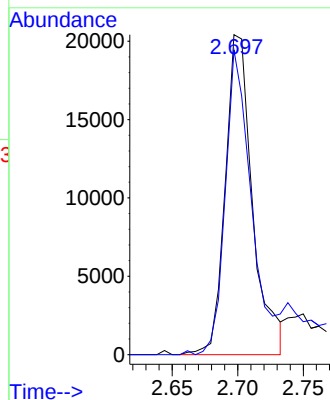
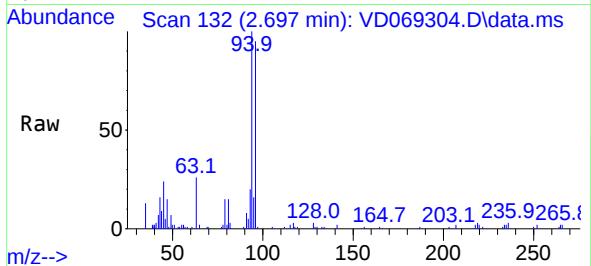




#5
Bromomethane
Concen: 17.958 ug/l
RT: 2.697 min Scan# 132
Delta R.T. -0.071 min
Lab File: VD069304.D
Acq: 02 Jun 2021 16:30

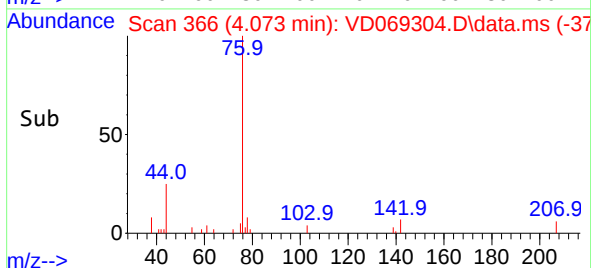
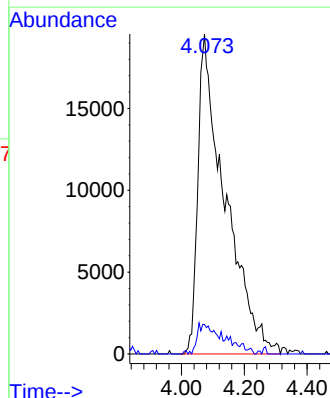
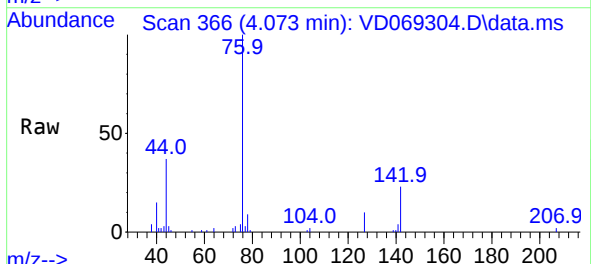
Instrument :
MSVOA_D
ClientSampleId :
18-B2(2-4)

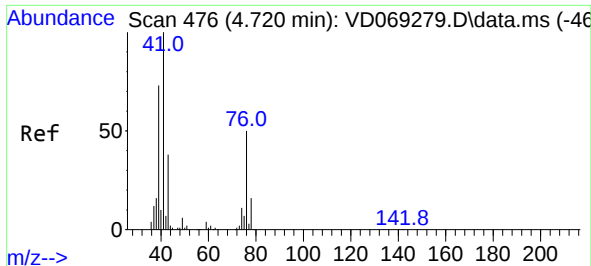
Tgt Ion: 94 Resp: 29652
Ion Ratio Lower Upper
94 100
96 95.2 70.3 105.5



#17
Carbon Disulfide
Concen: 12.609 ug/l m
RT: 4.073 min Scan# 366
Delta R.T. -0.335 min
Lab File: VD069304.D
Acq: 02 Jun 2021 16:30

Tgt Ion: 76 Resp: 116914
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.0

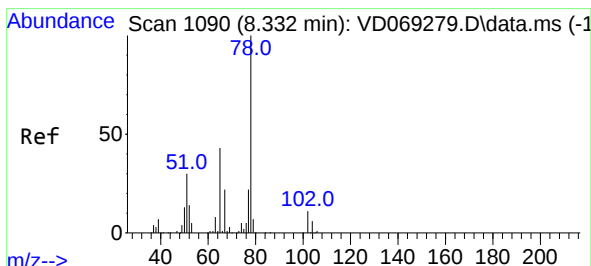
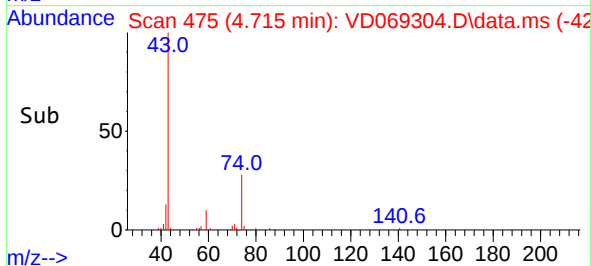
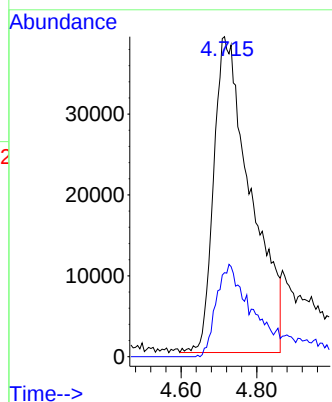
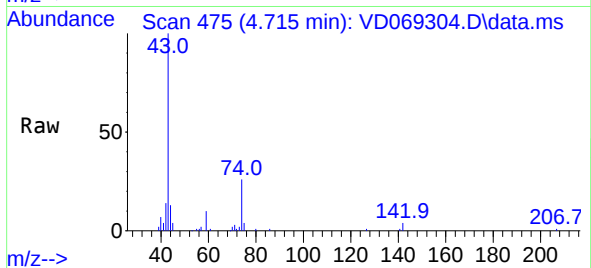




#18
Methyl Acetate
Concen: 209.288 ug/l
RT: 4.715 min Scan# 475
Delta R.T. -0.006 min
Lab File: VD069304.D
Acq: 02 Jun 2021 16:30

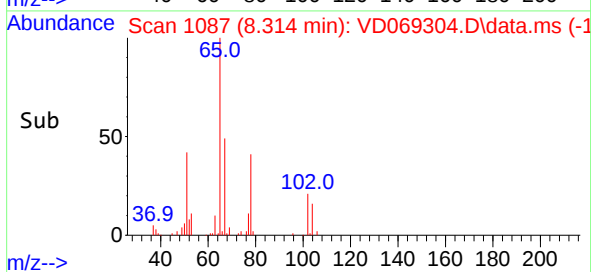
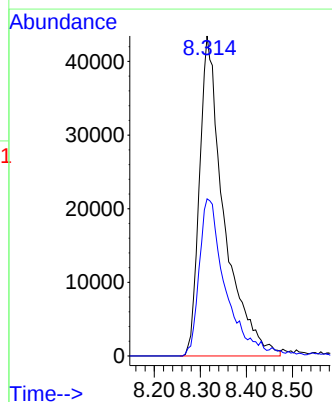
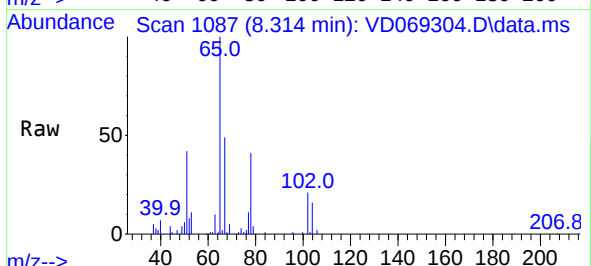
Instrument :
MSVOA_D
ClientSampleId :
18-B2(2-4)

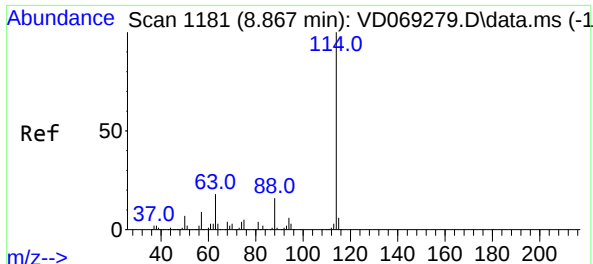
Tgt Ion: 43 Resp: 265129
Ion Ratio Lower Upper
43 100
74 26.9 22.8 34.2



#33
1,2-Dichloroethane-d4
Concen: 59.742 ug/l
RT: 8.314 min Scan# 1087
Delta R.T. -0.018 min
Lab File: VD069304.D
Acq: 02 Jun 2021 16:30

Tgt Ion: 65 Resp: 160259
Ion Ratio Lower Upper
65 100
67 51.7 0.0 105.8



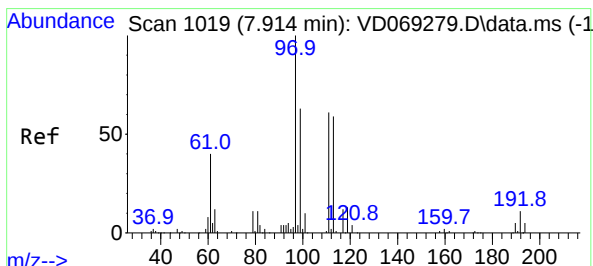
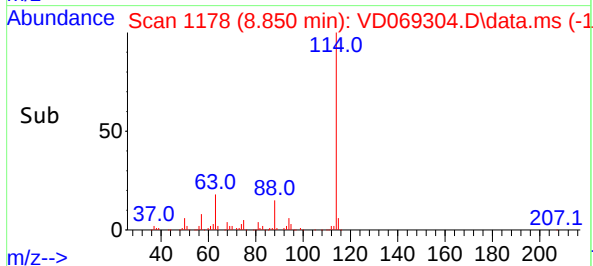
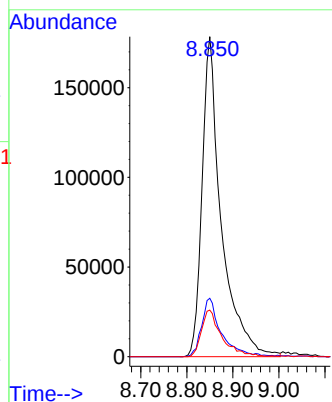
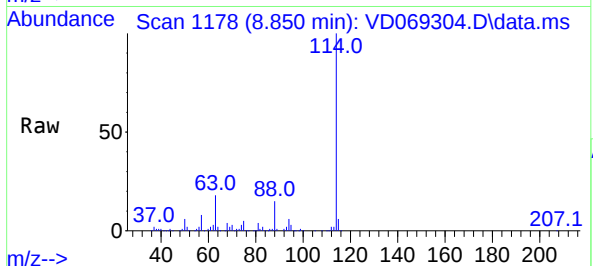


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.850 min Scan# 1178
Delta R.T. -0.017 min
Lab File: VD069304.D
Acq: 02 Jun 2021 16:30

Instrument :
MSVOA_D
ClientSampleId :
18-B2(2-4)

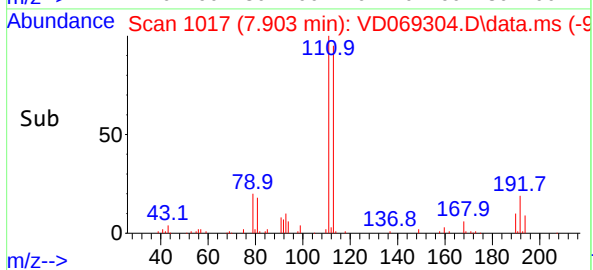
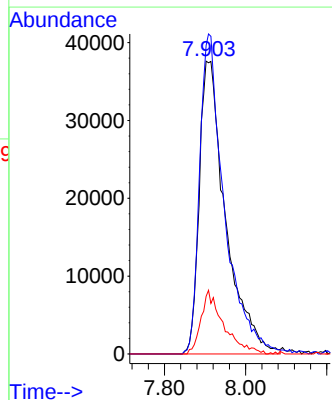
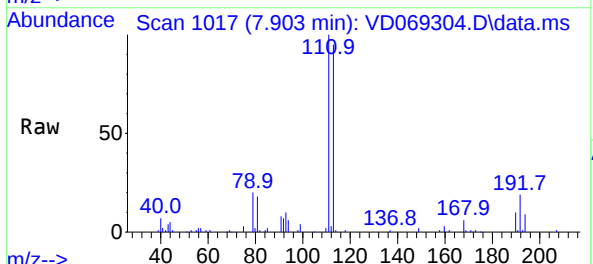
Tgt Ion:	114	Resp:	517494
Ion	Ratio	Lower	Upper
114	100		
63	18.2	0.0	35.6
88	14.5	0.0	31.2

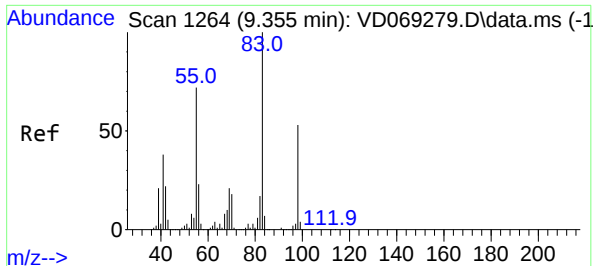


#35

Dibromofluoromethane
Concen: 52.160 ug/l
RT: 7.903 min Scan# 1017
Delta R.T. -0.012 min
Lab File: VD069304.D
Acq: 02 Jun 2021 16:30

Tgt Ion:	113	Resp:	169508
Ion	Ratio	Lower	Upper
113	100		
111	103.2	83.0	124.6
192	18.6	15.1	22.7





#39

Methylcyclohexane

Concen: 4.639 ug/l

RT: 9.320 min Scan# 1258

Delta R.T. -0.035 min

Lab File: VD069304.D

Acq: 02 Jun 2021 16:30

Tgt Ion: 83 Resp: 23868

Ion Ratio Lower Upper

83 100

55 77.1 57.4 86.2

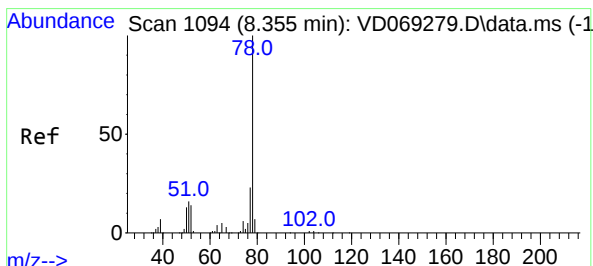
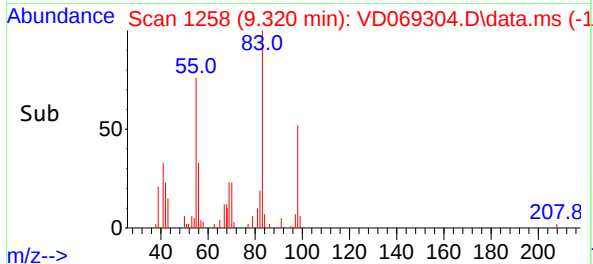
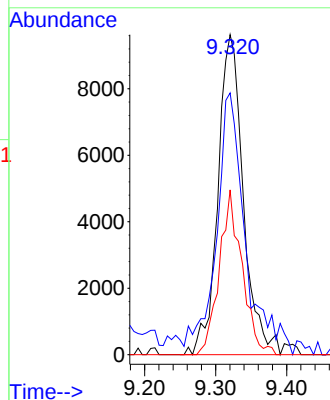
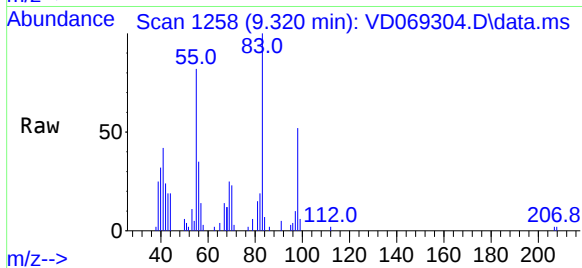
98 51.5 42.2 63.2

Instrument :

MSVOA_D

ClientSampleId :

18-B2(2-4)



#40

Benzene

Concen: 3.910 ug/l

RT: 8.309 min Scan# 1086

Delta R.T. -0.047 min

Lab File: VD069304.D

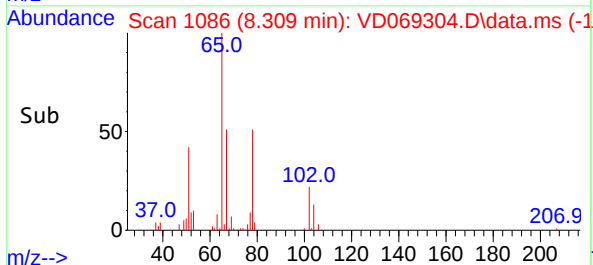
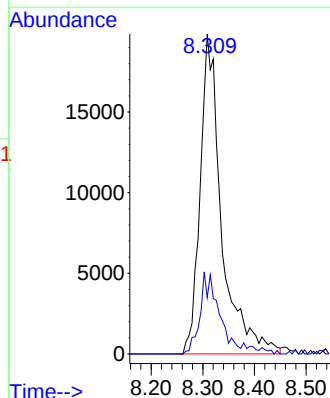
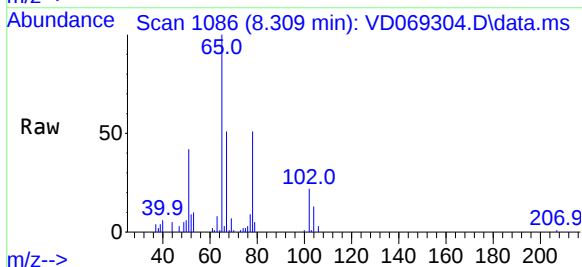
Acq: 02 Jun 2021 16:30

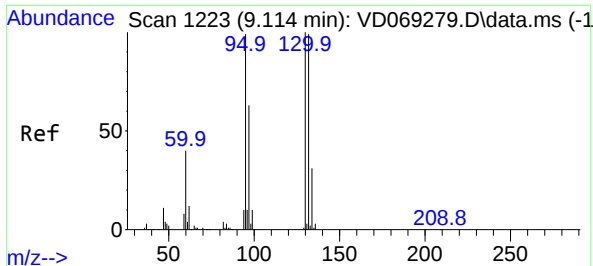
Tgt Ion: 78 Resp: 57127

Ion Ratio Lower Upper

78 100

77 17.6 18.7 28.1#

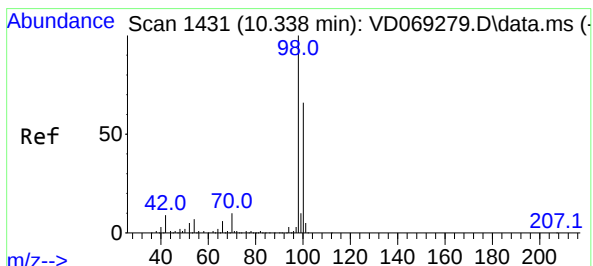
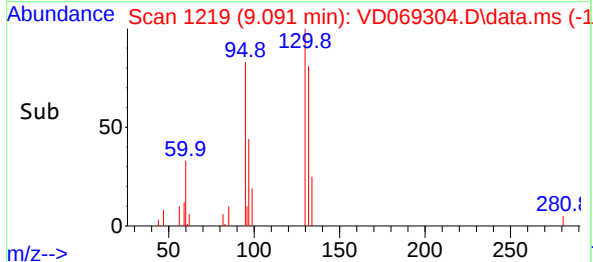
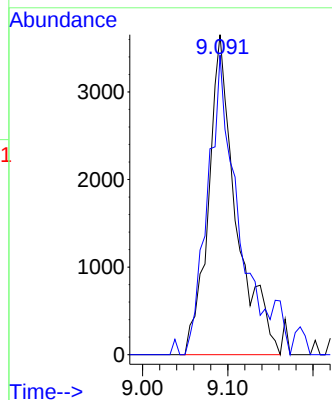
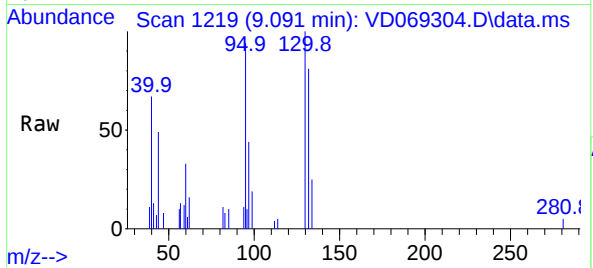




#44
Trichloroethene
Concen: 2.089 ug/l
RT: 9.091 min Scan# 1219
Delta R.T. -0.023 min
Lab File: VD069304.D
Acq: 02 Jun 2021 16:30

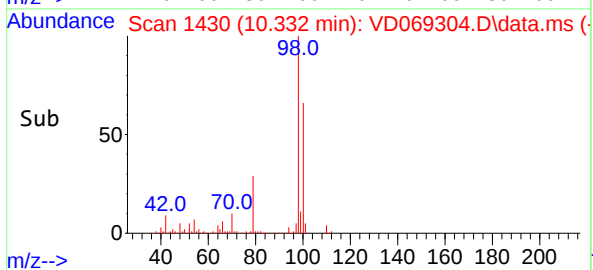
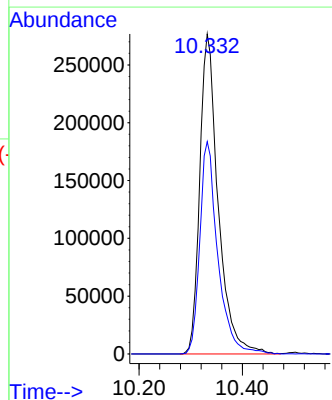
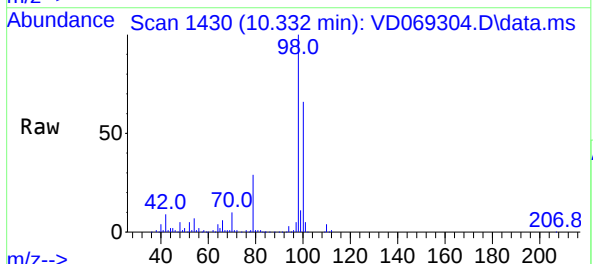
Instrument :
MSVOA_D
ClientSampled :
18-B2(2-4)

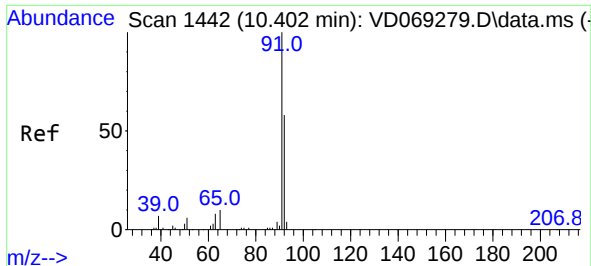
Tgt Ion:130 Resp: 8292
Ion Ratio Lower Upper
130 100
95 93.6 0.0 198.8



#50
Toluene-d8
Concen: 57.843 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD069304.D
Acq: 02 Jun 2021 16:30

Tgt Ion: 98 Resp: 683543
Ion Ratio Lower Upper
98 100
100 65.0 52.1 78.1

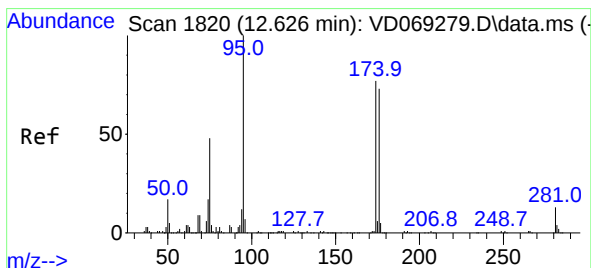
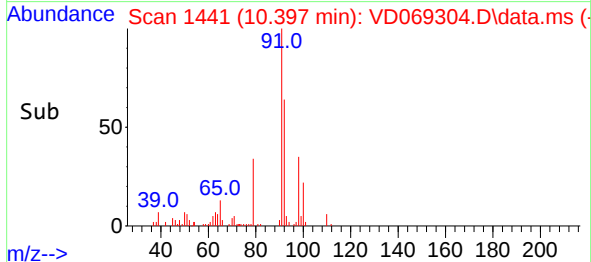
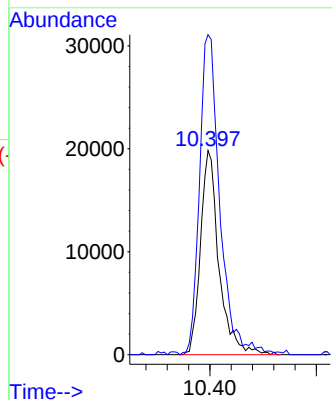
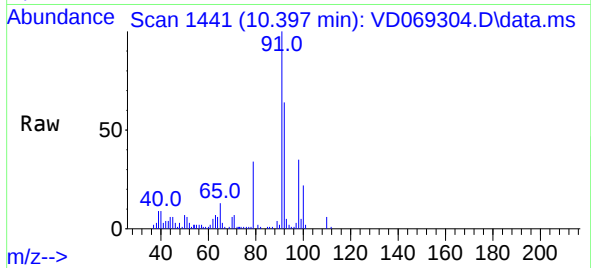




#52
Toluene
Concen: 5.155 ug/l
RT: 10.397 min Scan# 1441
Delta R.T. -0.006 min
Lab File: VD069304.D
Acq: 02 Jun 2021 16:30

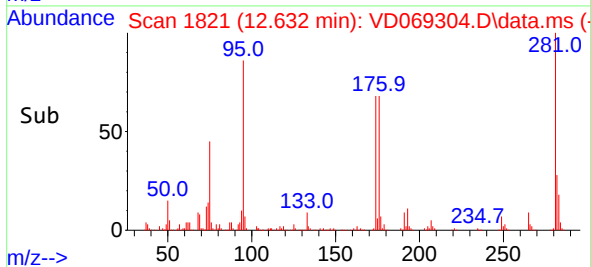
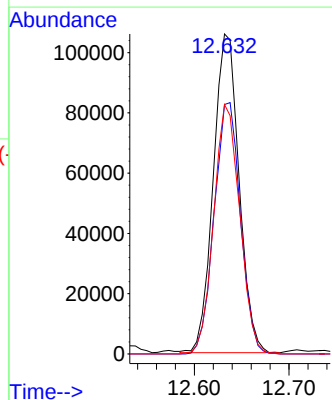
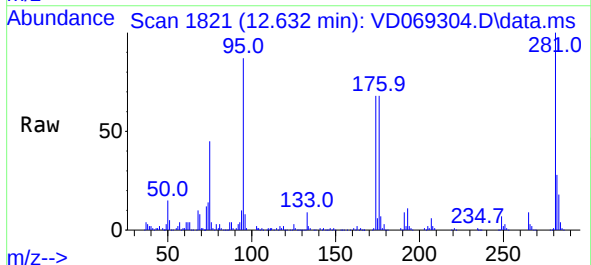
Instrument :
MSVOA_D
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18-B2(2-4)

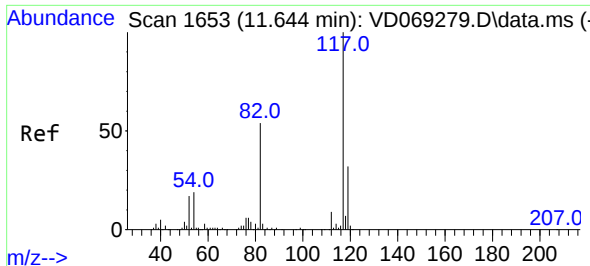
Tgt Ion: 92 Resp: 47531
Ion Ratio Lower Upper
92 100
91 173.3 138.4 207.6



#62
4-Bromofluorobenzene
Concen: 51.583 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.006 min
Lab File: VD069304.D
Acq: 02 Jun 2021 16:30

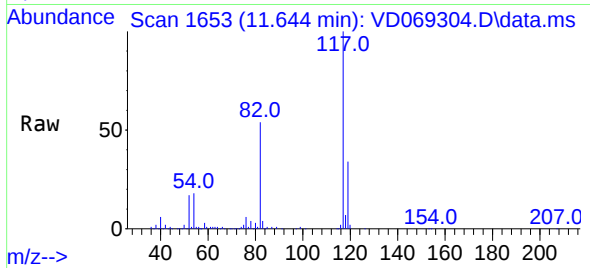
Tgt Ion: 95 Resp: 199740
Ion Ratio Lower Upper
95 100
174 80.4 0.0 162.8
176 79.2 0.0 154.4





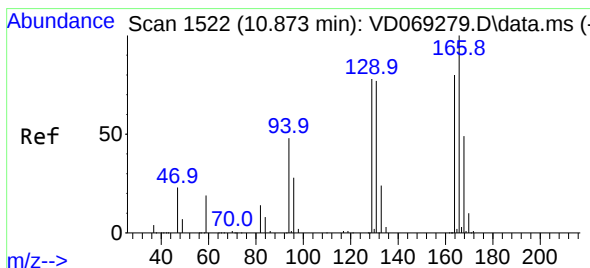
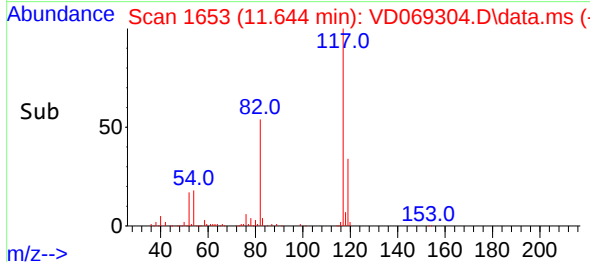
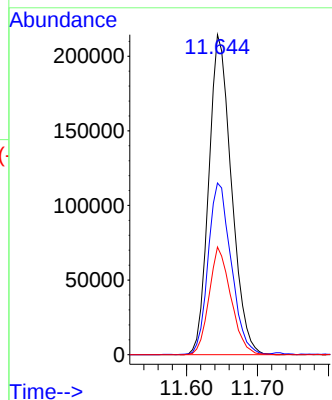
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD069304.D
Acq: 02 Jun 2021 16:30

Instrument :
MSVOA_D
ClientSampleId :
18-B2(2-4)



Tgt Ion:117 Resp: 475117

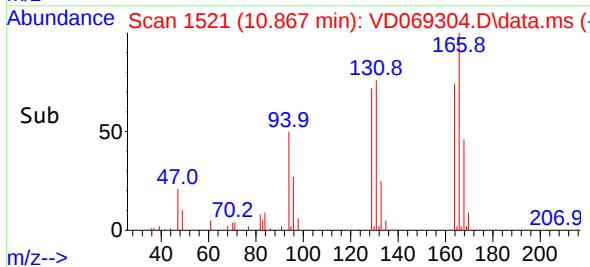
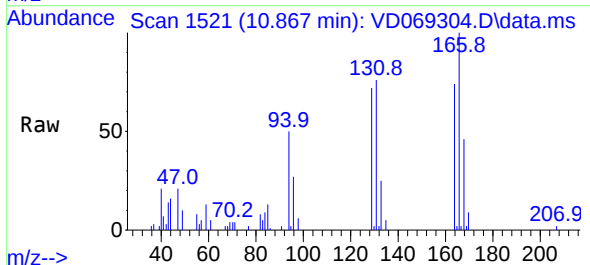
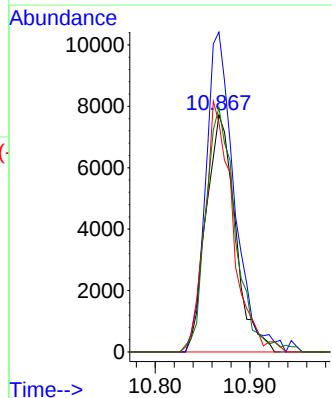
Ion	Ratio	Lower	Upper
117	100		
82	53.6	43.3	64.9
119	33.7	25.3	37.9

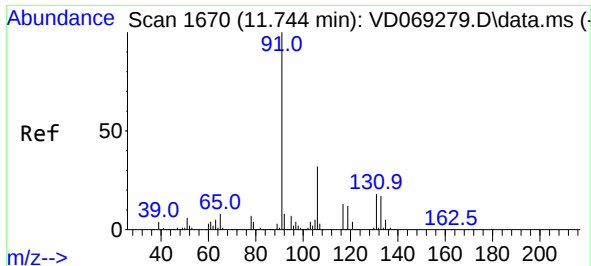


#64
Tetrachloroethene
Concen: 5.003 ug/l
RT: 10.867 min Scan# 1521
Delta R.T. -0.006 min
Lab File: VD069304.D
Acq: 02 Jun 2021 16:30

Tgt Ion:164 Resp: 16547

Ion	Ratio	Lower	Upper
164	100		
166	135.1	100.2	150.4
129	97.0	78.1	117.1
131	103.2	76.7	115.1

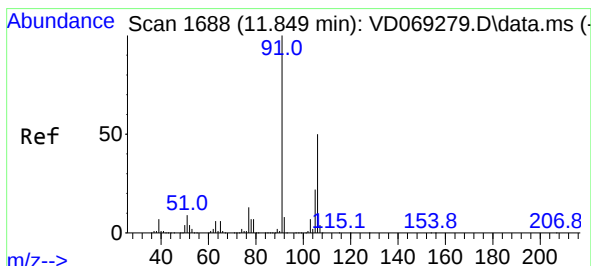
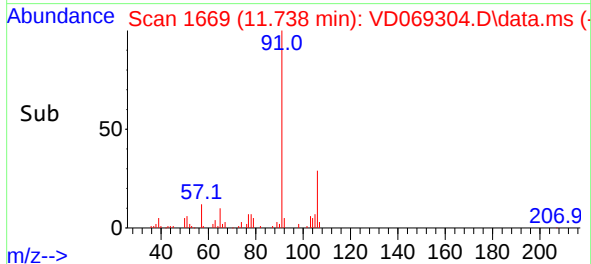
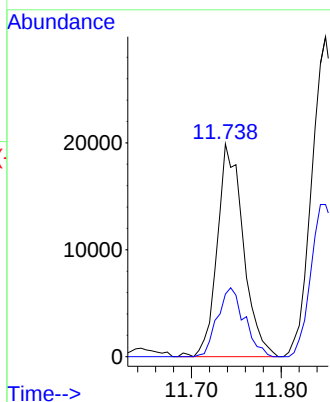
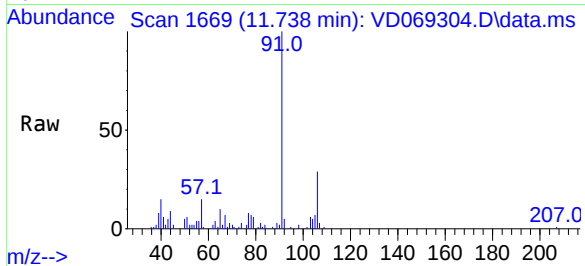




#67
Ethyl Benzene
Concen: 2.407 ug/l
RT: 11.738 min Scan# 1669
Delta R.T. -0.006 min
Lab File: VD069304.D
Acq: 02 Jun 2021 16:30

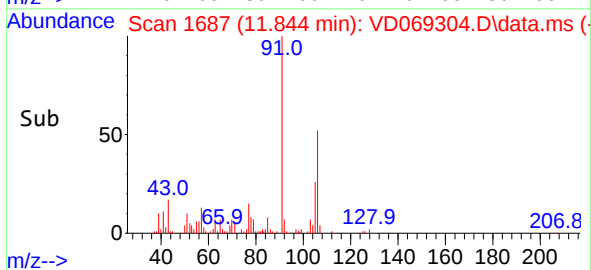
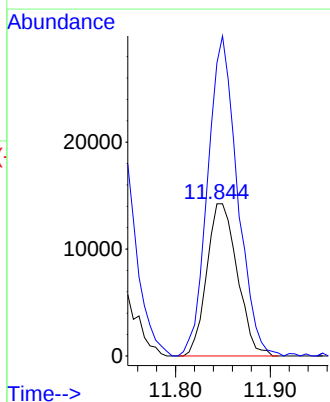
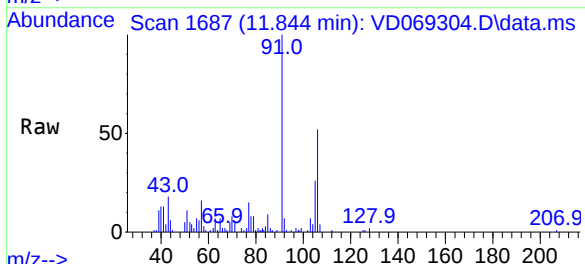
Instrument :
MSVOA_D
ClientSampleId :
18-B2(2-4)

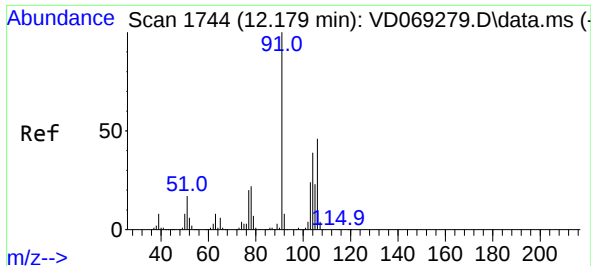
Tgt Ion: 91 Resp: 40144
Ion Ratio Lower Upper
91 100
106 29.4 25.9 38.9



#68
m/p-Xylenes
Concen: 4.870 ug/l
RT: 11.844 min Scan# 1687
Delta R.T. -0.006 min
Lab File: VD069304.D
Acq: 02 Jun 2021 16:30

Tgt Ion:106 Resp: 31830
Ion Ratio Lower Upper
106 100
91 205.2 158.3 237.5

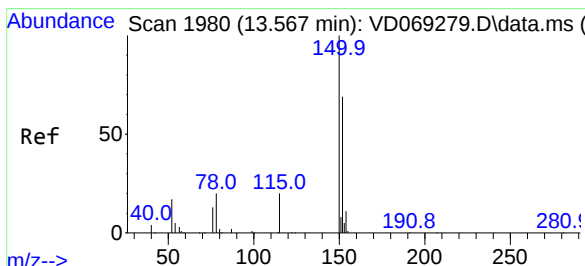
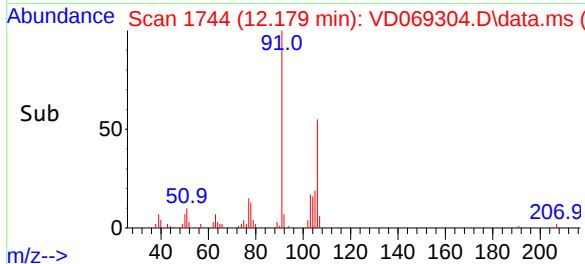
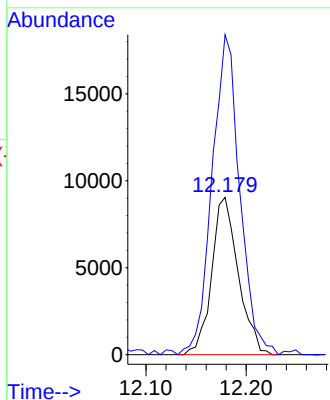
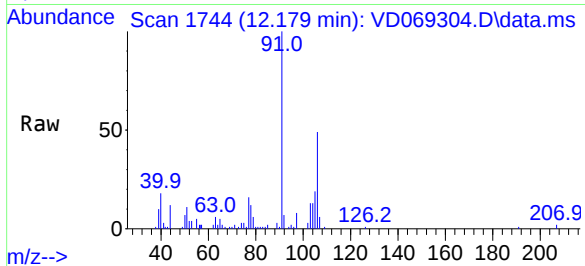




#69
o-Xylene
Concen: 2.889 ug/l
RT: 12.179 min Scan# 1744
Delta R.T. 0.000 min
Lab File: VD069304.D
Acq: 02 Jun 2021 16:30

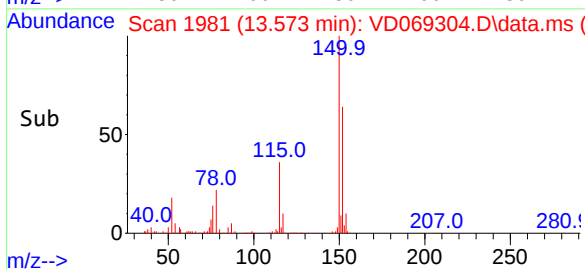
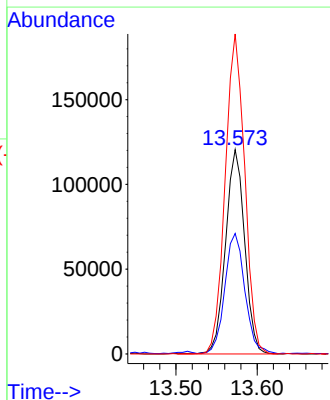
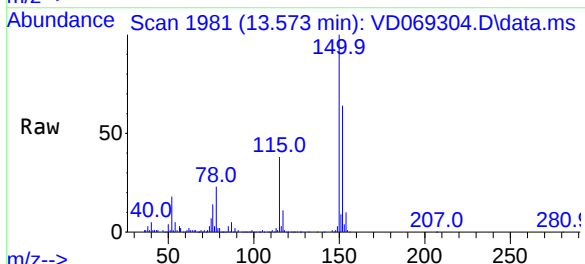
Instrument :
MSVOA_D
ClientSampleId :
18-B2(2-4)

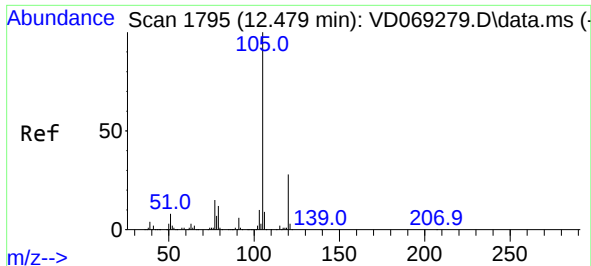
Tgt Ion:106 Resp: 16702
Ion Ratio Lower Upper
106 100
91 212.0 105.5 316.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. 0.006 min
Lab File: VD069304.D
Acq: 02 Jun 2021 16:30

Tgt Ion:152 Resp: 197134
Ion Ratio Lower Upper
152 100
115 62.0 29.4 88.3
150 159.7 0.0 355.0

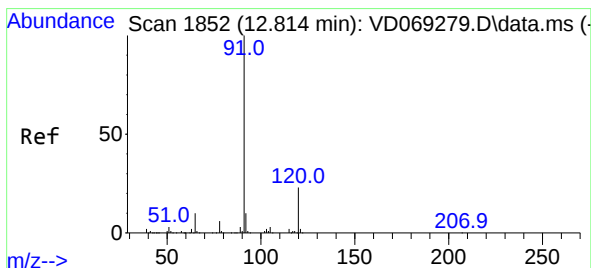
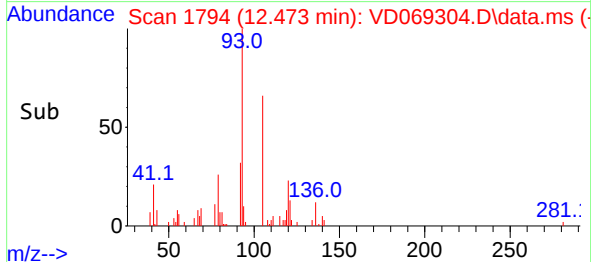
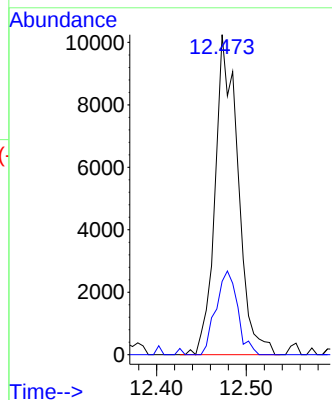
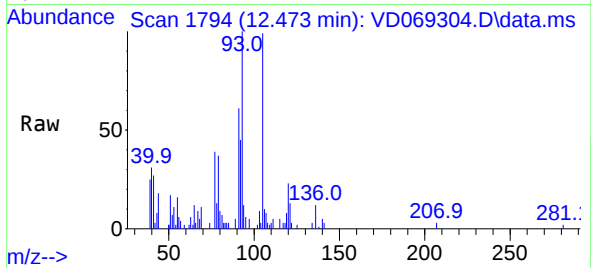




#73
Isopropylbenzene
Concen: 1.346 ug/l
RT: 12.473 min Scan# 1794
Delta R.T. -0.006 min
Lab File: VD069304.D
Acq: 02 Jun 2021 16:30

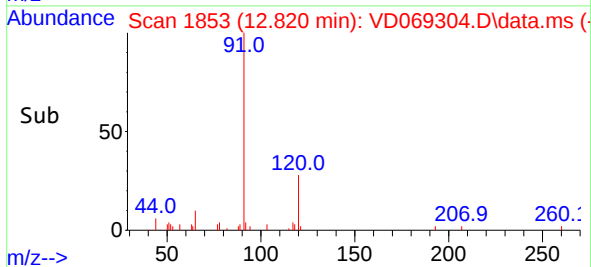
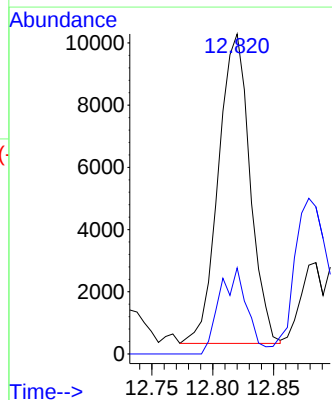
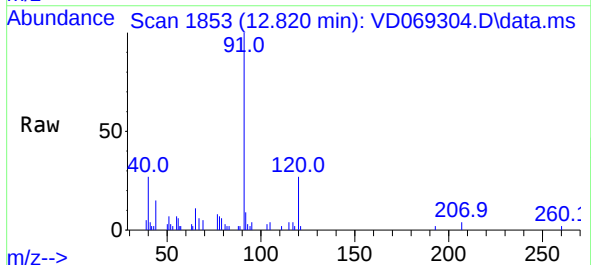
Instrument :
MSVOA_D
ClientSampleId :
18-B2(2-4)

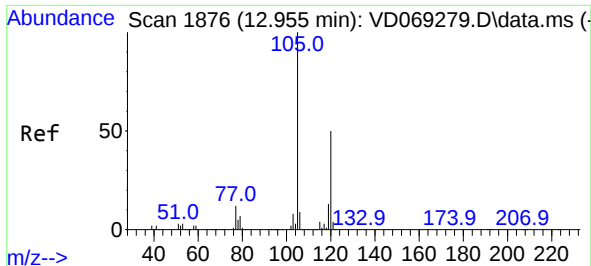
Tgt Ion:105 Resp: 18164
Ion Ratio Lower Upper
105 100
120 24.7 13.5 40.5



#78
n-propylbenzene
Concen: 1.085 ug/l
RT: 12.820 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VD069304.D
Acq: 02 Jun 2021 16:30

Tgt Ion: 91 Resp: 17961
Ion Ratio Lower Upper
91 100
120 24.2 11.6 34.8

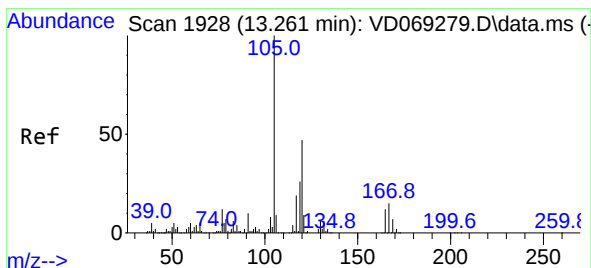
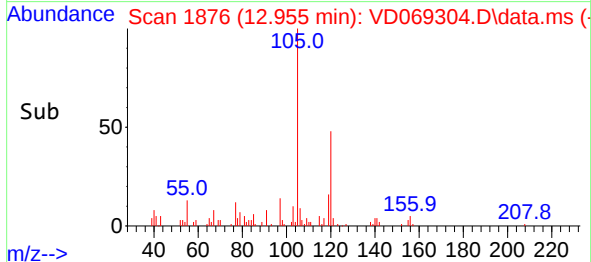
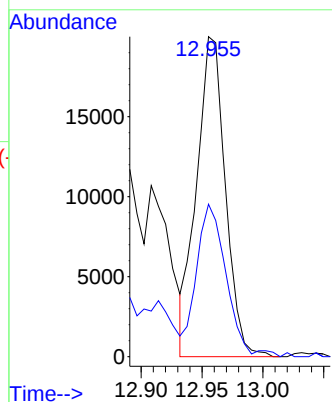
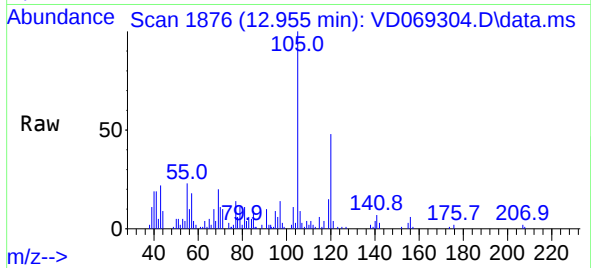




#80
1,3,5-Trimethylbenzene
Concen: 2.880 ug/l
RT: 12.955 min Scan# 1876
Delta R.T. 0.000 min
Lab File: VD069304.D
Acq: 02 Jun 2021 16:30

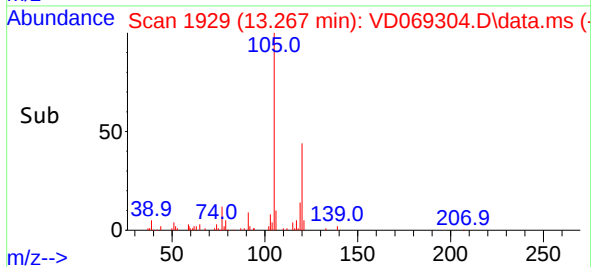
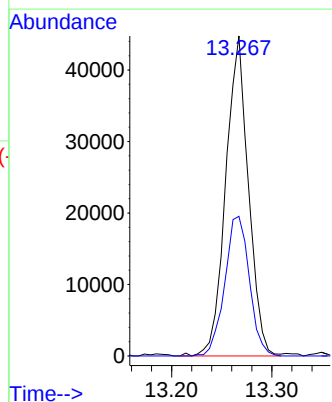
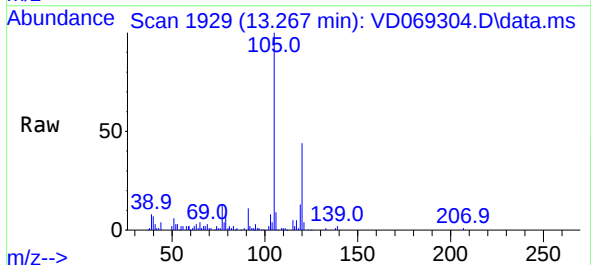
Instrument :
MSVOA_D
ClientSampleId :
18-B2(2-4)

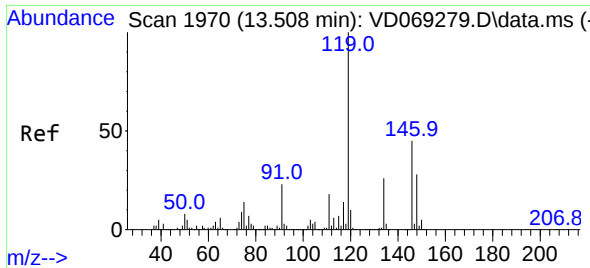
Tgt Ion:105 Resp: 32911
Ion Ratio Lower Upper
105 100
120 49.5 24.9 74.7



#84
1,2,4-Trimethylbenzene
Concen: 6.190 ug/l
RT: 13.267 min Scan# 1929
Delta R.T. 0.006 min
Lab File: VD069304.D
Acq: 02 Jun 2021 16:30

Tgt Ion:105 Resp: 70337
Ion Ratio Lower Upper
105 100
120 47.2 22.6 67.8

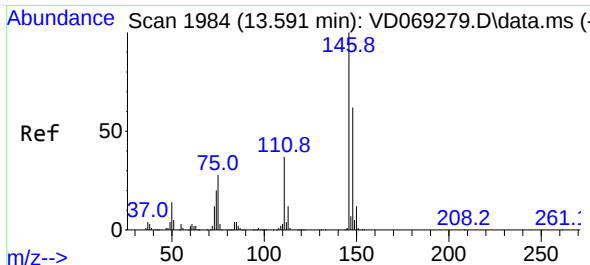
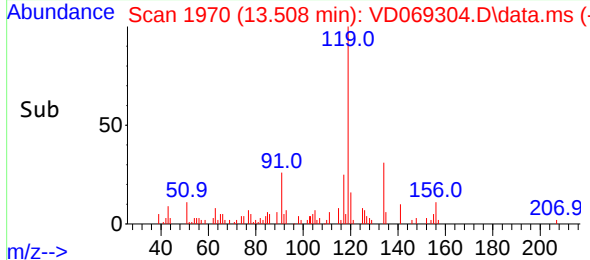
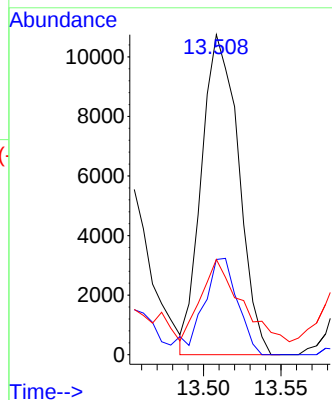
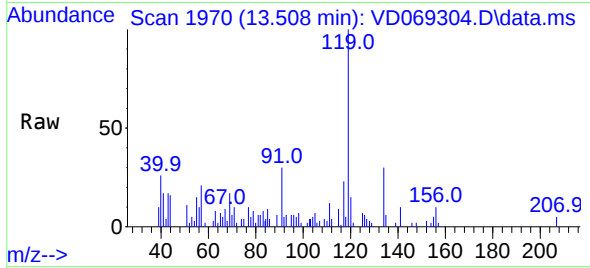




#86
p-Isopropyltoluene
Concen: 1.446 ug/l
RT: 13.508 min Scan# 1970
Delta R.T. 0.000 min
Lab File: VD069304.D
Acq: 02 Jun 2021 16:30

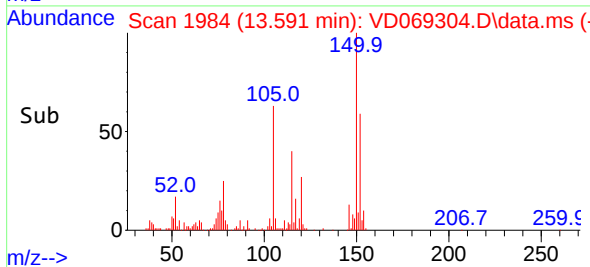
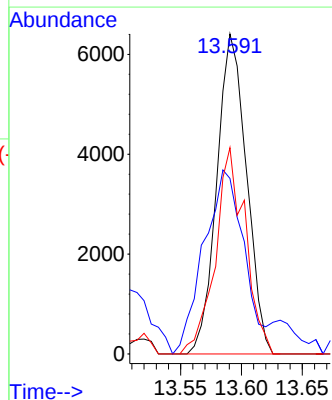
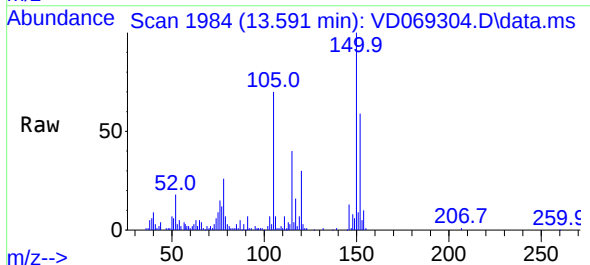
Instrument :
MSVOA_D
ClientSampled :
18-B2(2-4)

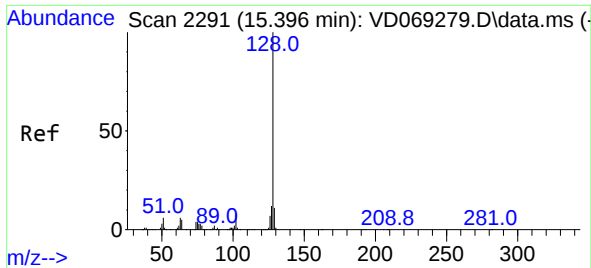
Tgt Ion:	119	Resp:	17852
Ion	Ratio	Lower	Upper
119	100		
134	28.1	13.0	39.0
91	27.0	11.3	33.8



#88
1,4-Dichlorobenzene
Concen: 1.660 ug/l
RT: 13.591 min Scan# 1984
Delta R.T. 0.000 min
Lab File: VD069304.D
Acq: 02 Jun 2021 16:30

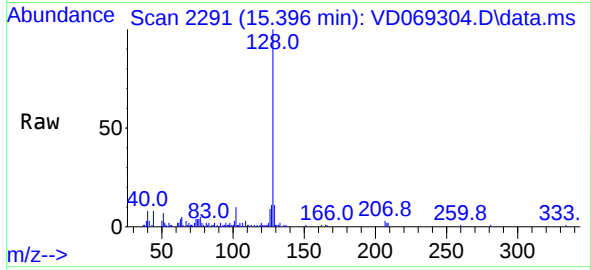
Tgt Ion:	146	Resp:	10879
Ion	Ratio	Lower	Upper
146	100		
111	77.8	19.4	58.4
148	65.0	31.1	93.3





#95
Naphthalene
Concen: 11.470 ug/l
RT: 15.396 min Scan# 2291
Delta R.T. 0.000 min
Lab File: VD069304.D
Acq: 02 Jun 2021 16:30

Instrument :
MSVOA_D
ClientSampleId :
18-B2(2-4)



Tgt Ion:	128	Resp:	58838
Ion Ratio	Lower	Upper	
128	100		
127	11.6	10.4	15.6
129	12.8	8.8	13.2

