

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031822\
 Data File : VD072318.D
 Acq On : 19 Mar 2022 05:33
 Operator : VA/SY
 Sample : N1970-09
 Misc : 5.04G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 G-3-12-21-22

Quant Time: Mar 19 08:10:07 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)

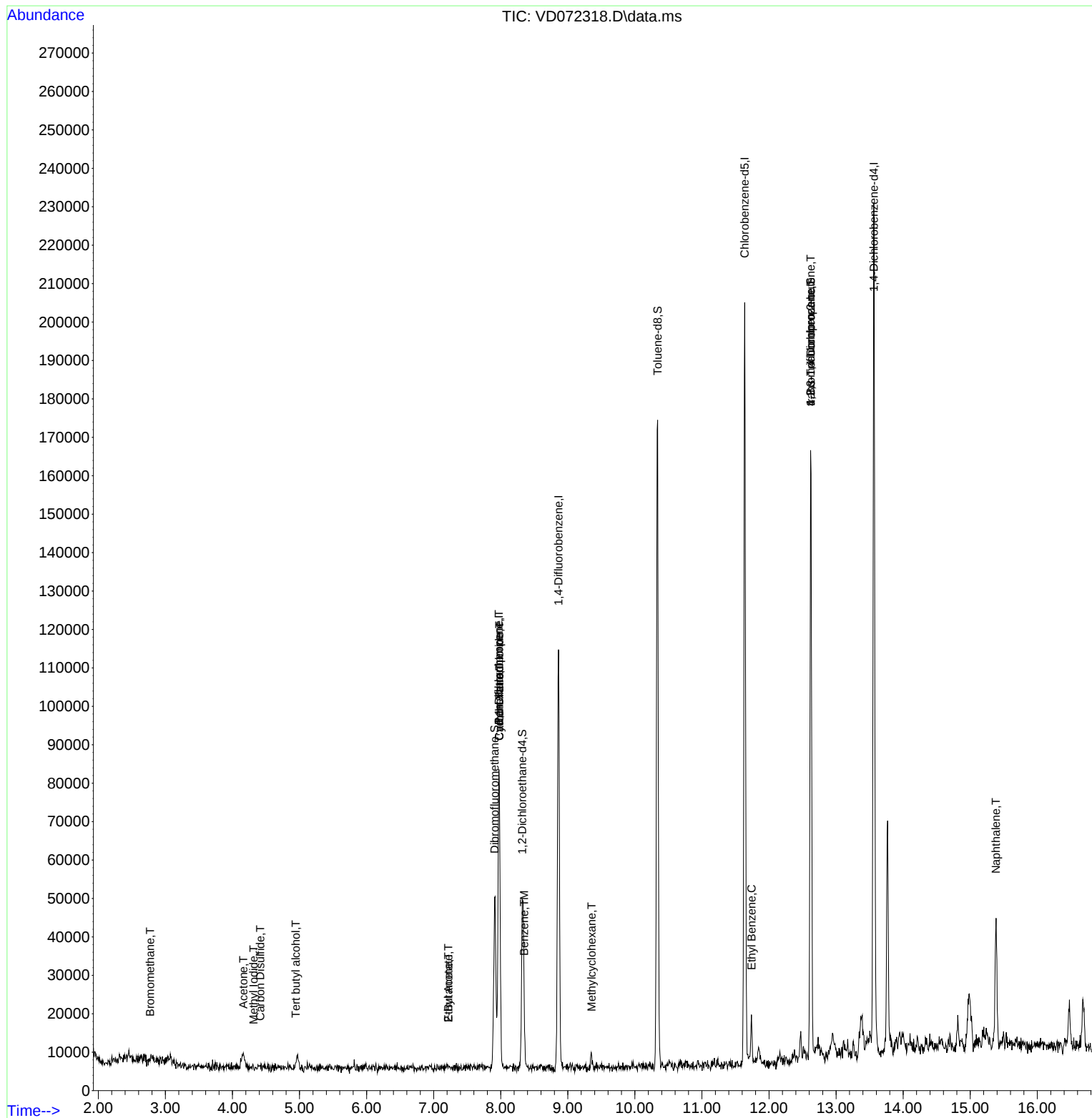
Internal Standards						
1) Pentafluorobenzene	7.973	168	55937	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	89217	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	109062	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	57421	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	36424	58.429	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 116.860%			
35) Dibromofluoromethane	7.909	113	31916	50.836	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.680%			
50) Toluene-d8	10.338	98	113782	49.564	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 99.120%			
62) 4-Bromofluorobenzene	12.620	95	54438	61.030	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 122.060%			
Target Compounds						Qvalue
5) Bromomethane	2.773	94	420	1.453	ug/l #	64
10) Methyl Iodide	4.315	142	315	2.753	ug/l #	38
11) Tert butyl alcohol	4.944	59	66	1.826	ug/l #	74
16) Acetone	4.162	43	7213	53.292	ug/l #	83
17) Carbon Disulfide	4.415	76	565	1.958	ug/l #	74
20) Methylene Chloride	4.973	84	2223	Below Cal	#	87
25) 2-Butanone	7.220	43	1637	9.071	ug/l #	52
31) Cyclohexane	7.979	56	1670	1.715	ug/l #	43
36) 1,1-Dichloropropene	7.973	75	4665	5.297	ug/l #	49
37) Ethyl Acetate	7.220	43	1637	4.243	ug/l #	72
38) Carbon Tetrachloride	7.979	117	5675	5.668	ug/l #	13
39) Methylcyclohexane	9.355	83	1297	1.309	ug/l #	47
40) Benzene	8.350	78	3625	1.443	ug/l	97
67) Ethyl Benzene	11.738	91	6714	1.555	ug/l	97
76) 1,2,3-Trichloropropane	12.620	75	27960	44.142	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	27960	109.522	ug/l #	7
95) Naphthalene	15.385	128	27482	12.868	ug/l	97

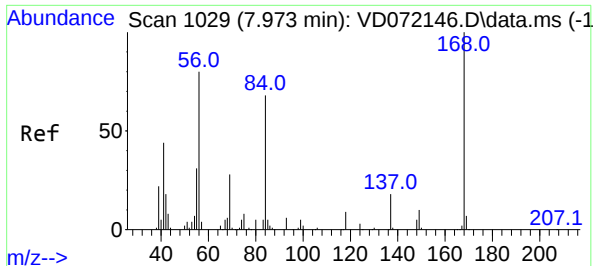
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Mar 19 08:10:07 2022
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Quant Title : SW846 8260
QLast Update : Mon Mar 14 05:18:06 2022
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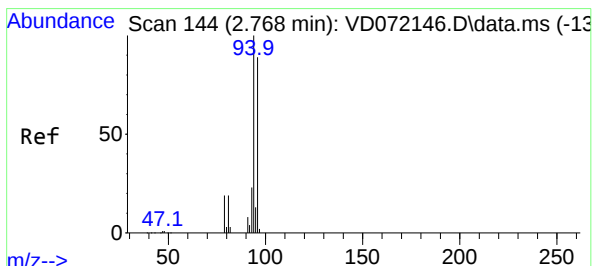
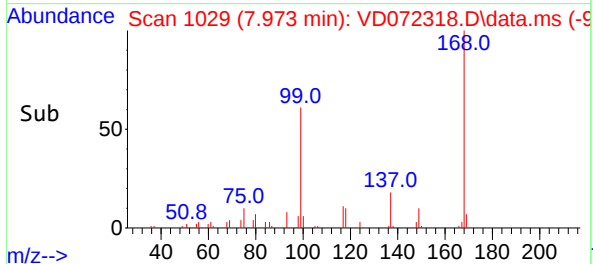
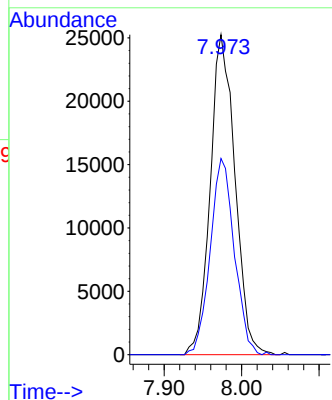
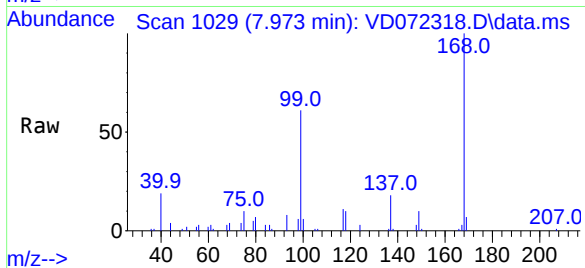




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD072318.D
Acq: 19 Mar 2022 05:33

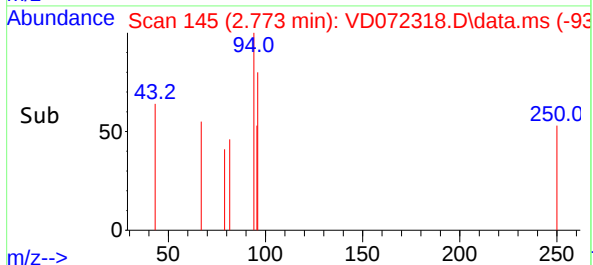
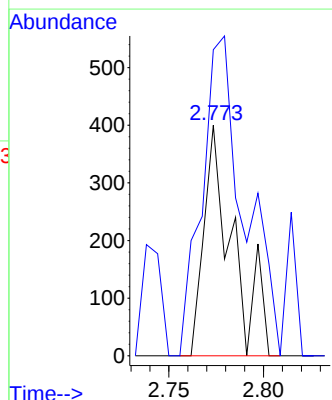
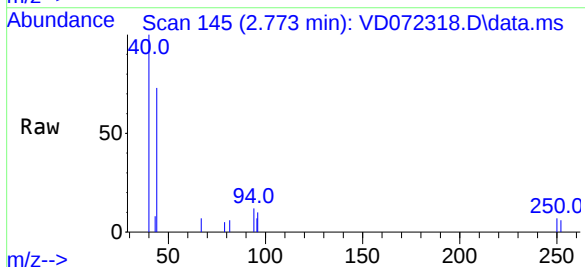
Instrument :
MSVOA_D
ClientSampleId :
G-3-12-21-22

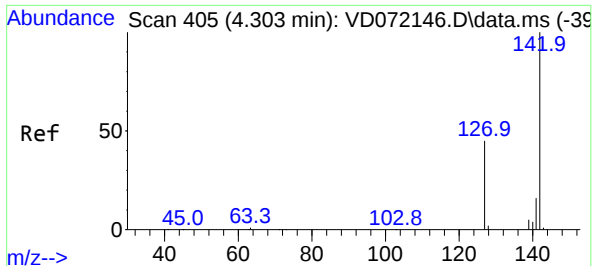
Tgt Ion:168 Resp: 55937
Ion Ratio Lower Upper
168 100
99 61.3 49.8 74.6



#5
Bromomethane
Concen: 1.453 ug/l
RT: 2.773 min Scan# 145
Delta R.T. 0.006 min
Lab File: VD072318.D
Acq: 19 Mar 2022 05:33

Tgt Ion: 94 Resp: 420
Ion Ratio Lower Upper
94 100
96 132.8 77.6 116.4#

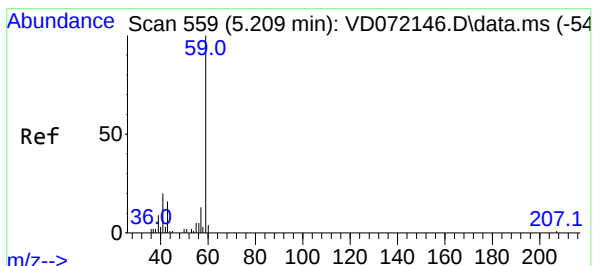
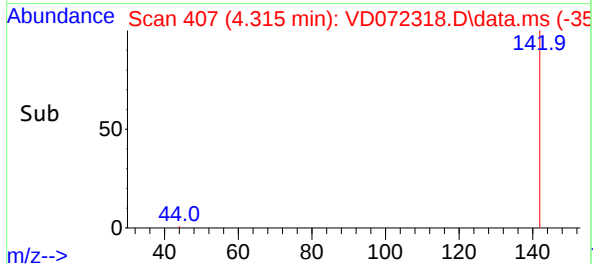
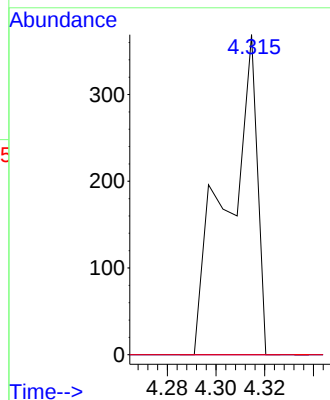
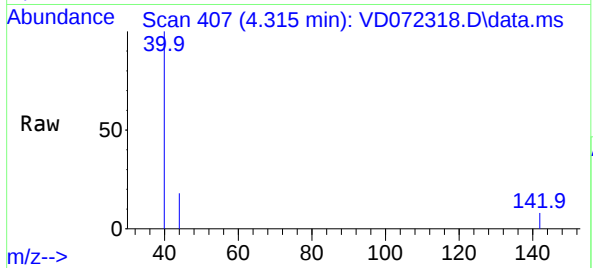




#10
Methyl Iodide
Concen: 2.753 ug/l
RT: 4.315 min Scan# 40
Delta R.T. 0.012 min
Lab File: VD072318.D
Acq: 19 Mar 2022 05:33

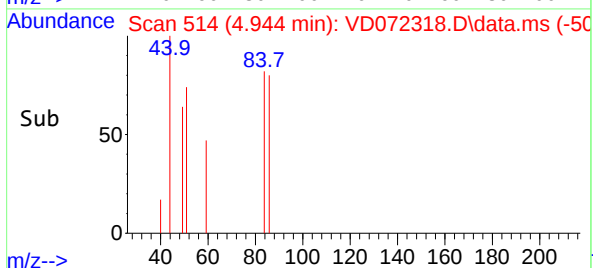
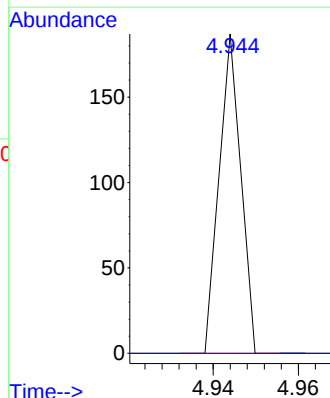
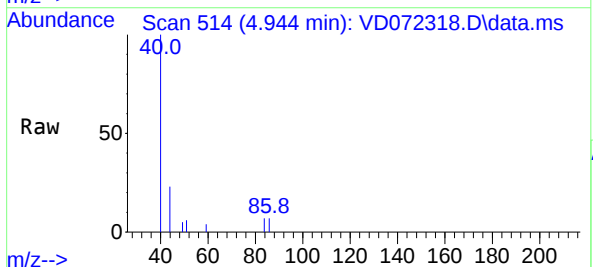
Instrument :
MSVOA_D
ClientSampleId :
G-3-12-21-22

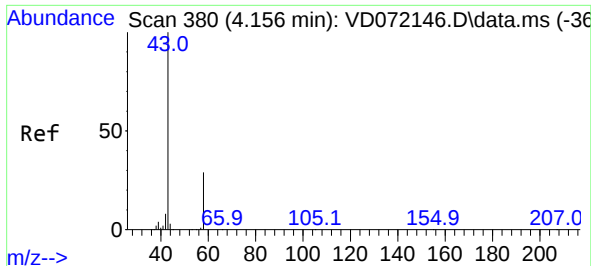
Tgt Ion:142 Resp: 315
Ion Ratio Lower Upper
142 100
127 0.0 37.3 55.9#
141 0.0 11.7 17.5#



#11
Tert butyl alcohol
Concen: 1.826 ug/l
RT: 4.944 min Scan# 514
Delta R.T. -0.265 min
Lab File: VD072318.D
Acq: 19 Mar 2022 05:33

Tgt Ion: 59 Resp: 66
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#

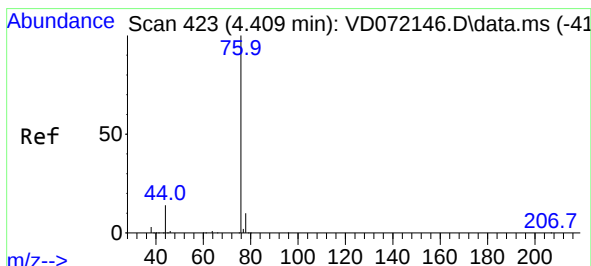
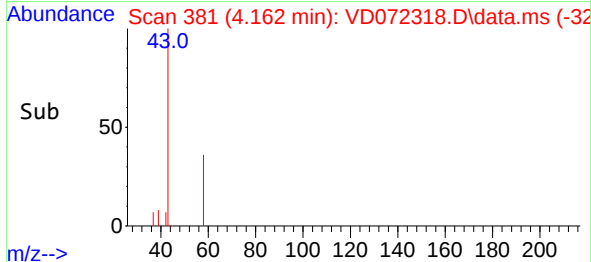
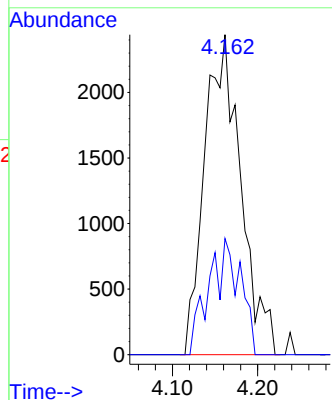
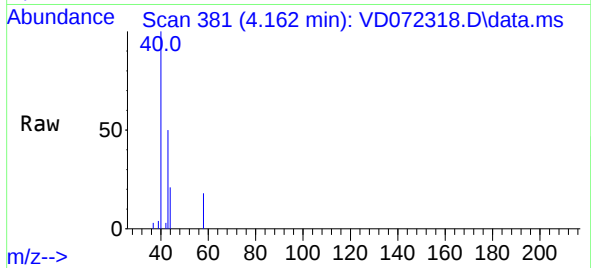




#16
Acetone
Concen: 53.292 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD072318.D
Acq: 19 Mar 2022 05:33

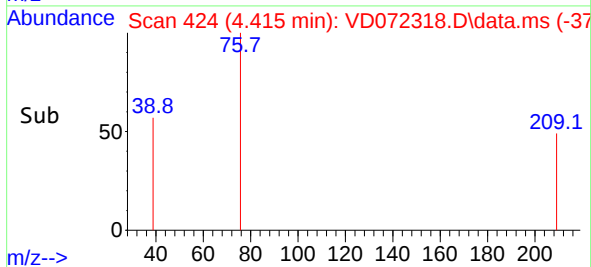
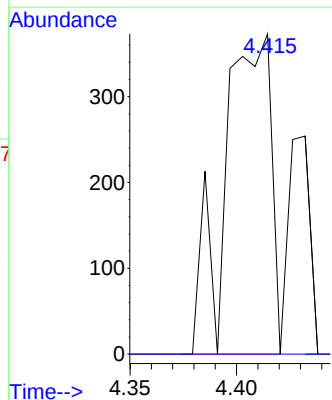
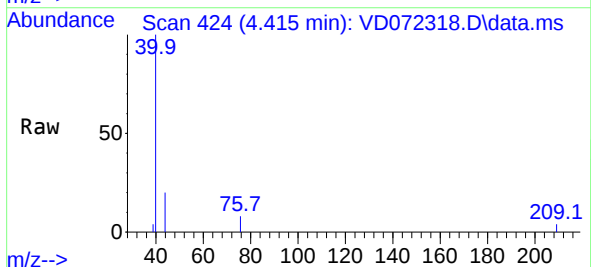
Instrument :
MSVOA_D
ClientSampleId :
G-3-12-21-22

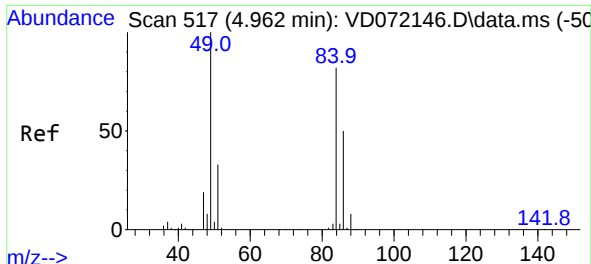
Tgt Ion: 43 Resp: 7213
Ion Ratio Lower Upper
43 100
58 36.3 22.1 33.1#



#17
Carbon Disulfide
Concen: 1.958 ug/l
RT: 4.415 min Scan# 424
Delta R.T. 0.006 min
Lab File: VD072318.D
Acq: 19 Mar 2022 05:33

Tgt Ion: 76 Resp: 565
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#



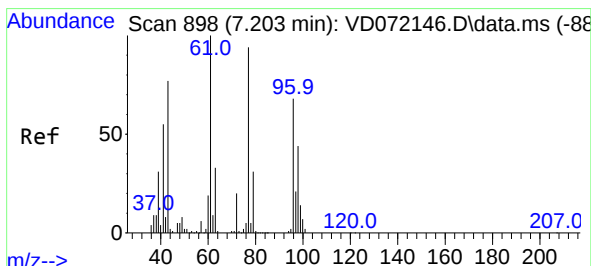
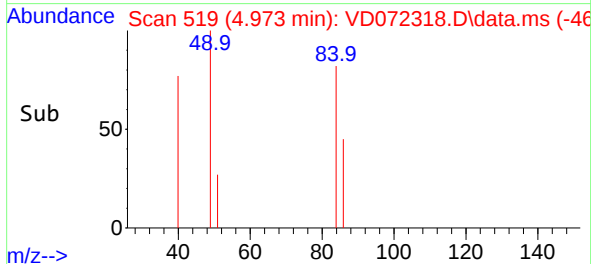
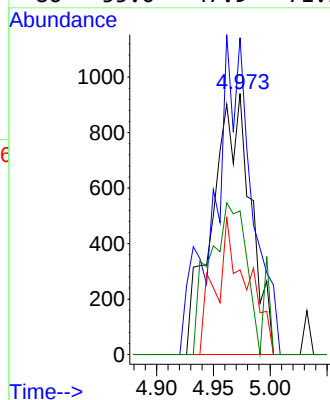
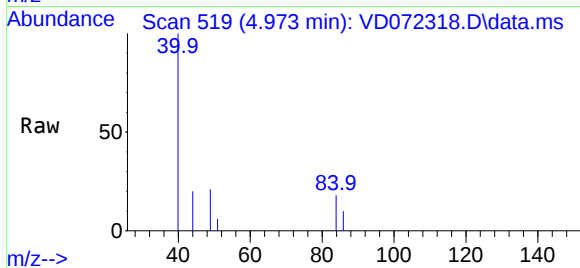


#20
Methylene Chloride
Concen: Below Cal
RT: 4.973 min Scan# 517
Delta R.T. 0.011 min
Lab File: VD072318.D
Acq: 19 Mar 2022 05:33

Instrument :
MSVOA_D
ClientSampleId :
G-3-12-21-22

Tgt Ion: 84 Resp: 2223

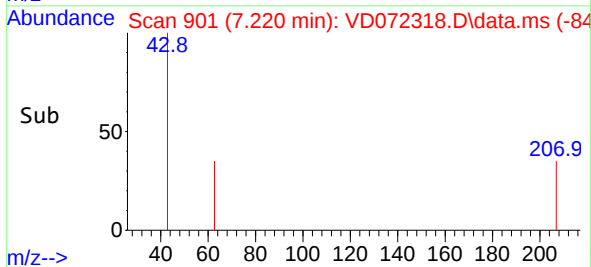
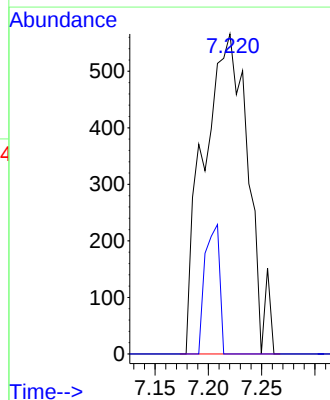
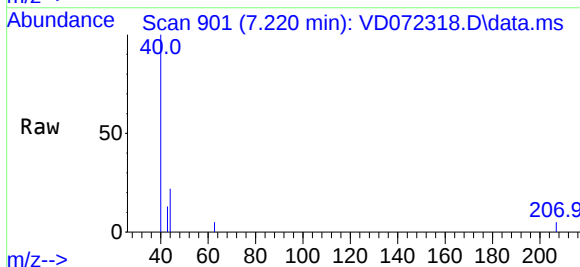
Ion	Ratio	Lower	Upper
84	100		
49	121.4	112.8	169.2
51	32.4	32.6	48.8#
86	55.0	47.9	71.9

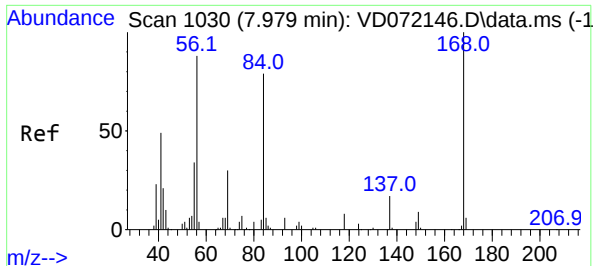


#25
2-Butanone
Concen: 9.071 ug/l
RT: 7.220 min Scan# 901
Delta R.T. 0.018 min
Lab File: VD072318.D
Acq: 19 Mar 2022 05:33

Tgt Ion: 43 Resp: 1637

Ion	Ratio	Lower	Upper
43	100		
72	0.0	18.6	27.8#





#31

Cyclohexane

Concen: 1.715 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. 0.000 min

Lab File: VD072318.D

Acq: 19 Mar 2022 05:33

Instrument :

MSVOA_D

ClientSampleId :

G-3-12-21-22

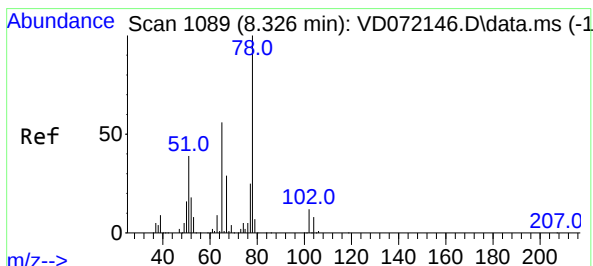
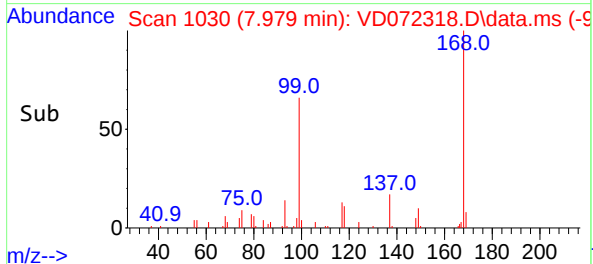
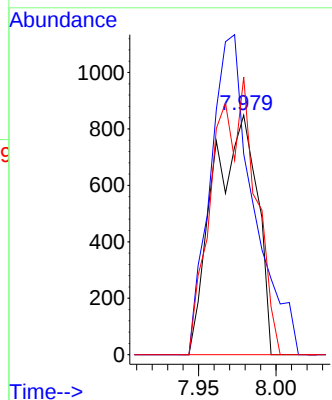
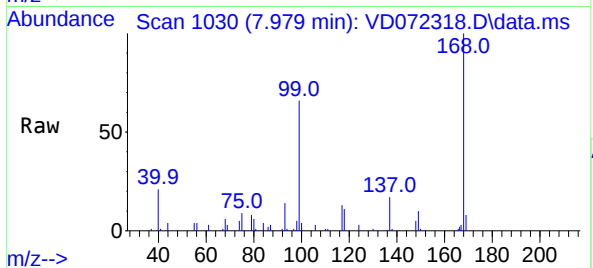
Tgt Ion: 56 Resp: 1670

Ion Ratio Lower Upper

56 100

69 83.7 25.4 38.2#

84 115.9 63.0 94.4#



#33

1,2-Dichloroethane-d4

Concen: 58.429 ug/l

RT: 8.320 min Scan# 1088

Delta R.T. -0.006 min

Lab File: VD072318.D

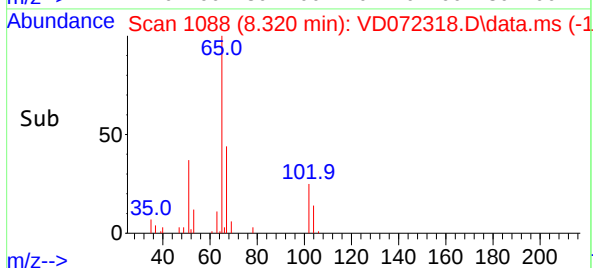
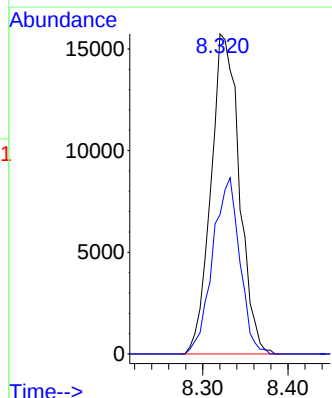
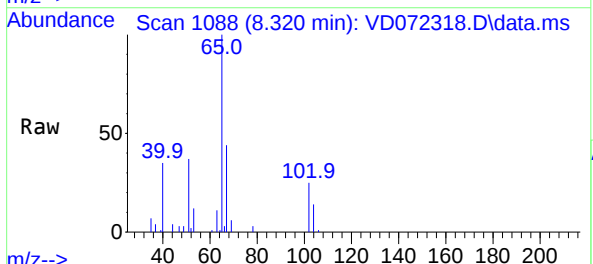
Acq: 19 Mar 2022 05:33

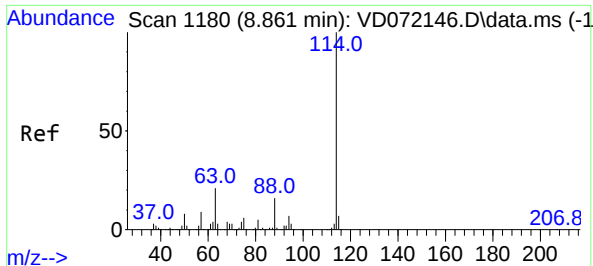
Tgt Ion: 65 Resp: 36424

Ion Ratio Lower Upper

65 100

67 52.5 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: VD072318.D

Acq: 19 Mar 2022 05:33

Instrument :

MSVOA_D

ClientSampleId :

G-3-12-21-22

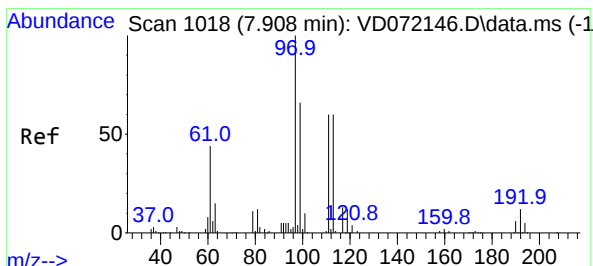
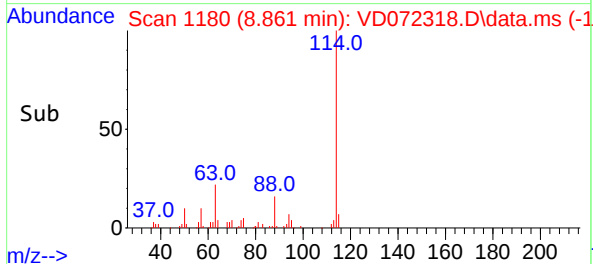
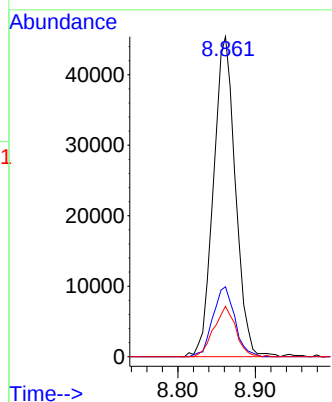
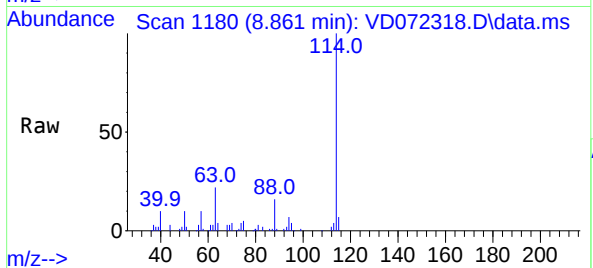
Tgt Ion:114 Resp: 89217

Ion Ratio Lower Upper

114 100

63 21.9 0.0 46.6

88 15.8 0.0 33.2



#35

Dibromofluoromethane

Concen: 50.836 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. 0.000 min

Lab File: VD072318.D

Acq: 19 Mar 2022 05:33

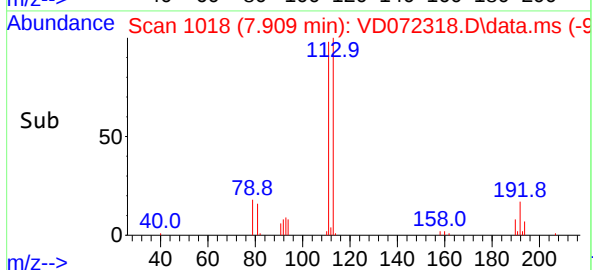
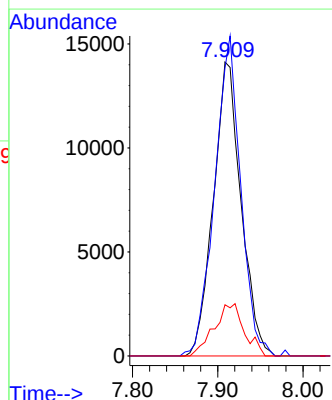
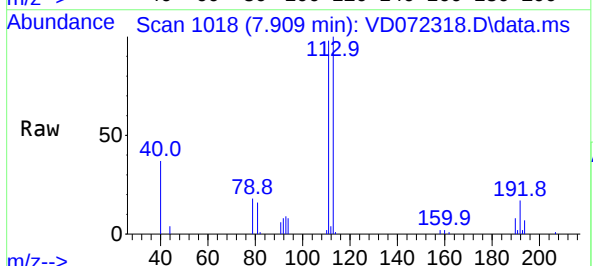
Tgt Ion:113 Resp: 31916

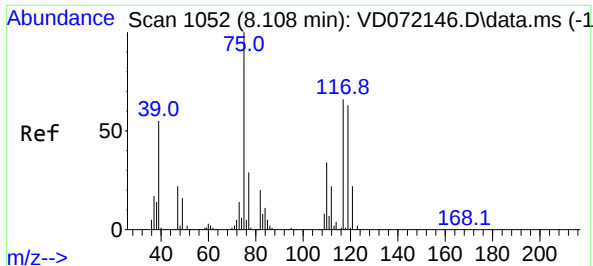
Ion Ratio Lower Upper

113 100

111 102.4 83.8 125.6

192 19.3 14.6 21.8

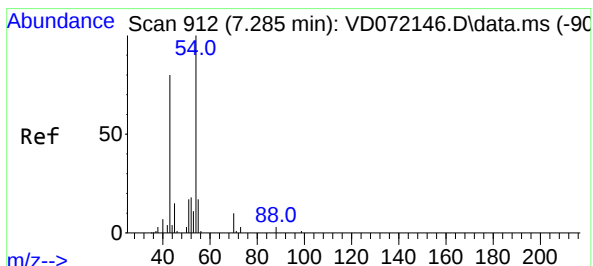
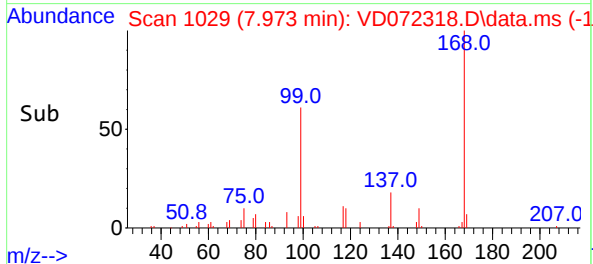
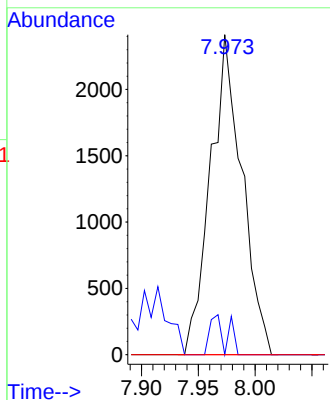
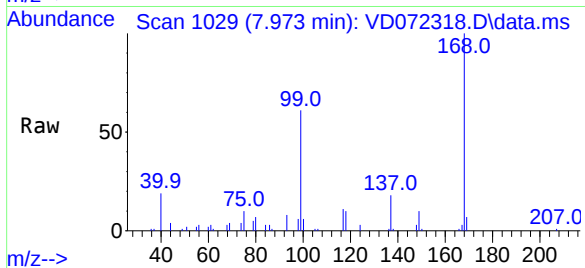




#36
1,1-Dichloropropene
Concen: 5.297 ug/l
RT: 7.973 min Scan# 1052
Delta R.T. -0.135 min
Lab File: VD072318.D
Acq: 19 Mar 2022 05:33

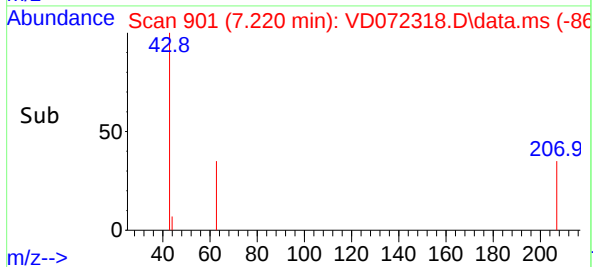
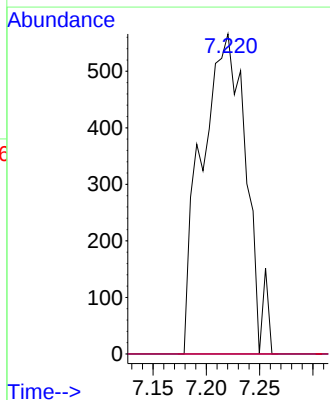
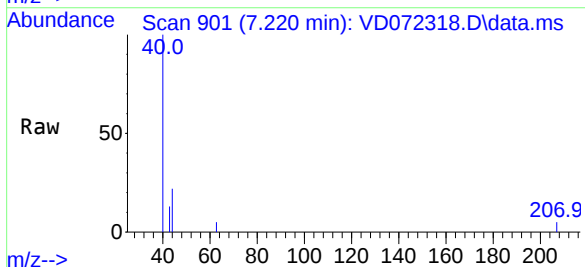
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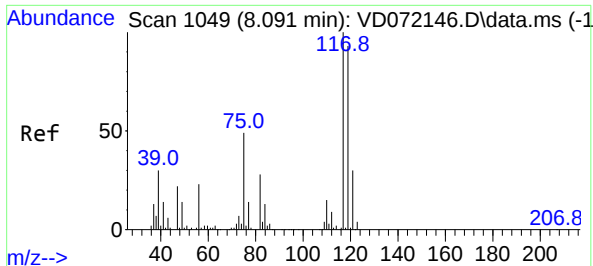
Tgt Ion: 75 Resp: 4665
Ion Ratio Lower Upper
75 100
110 6.5 16.4 49.1#
77 0.0 24.2 36.2#



#37
Ethyl Acetate
Concen: 4.243 ug/l
RT: 7.220 min Scan# 901
Delta R.T. -0.065 min
Lab File: VD072318.D
Acq: 19 Mar 2022 05:33

Tgt Ion: 43 Resp: 1637
Ion Ratio Lower Upper
43 100
61 0.0 9.8 14.8#
70 0.0 6.9 10.3#

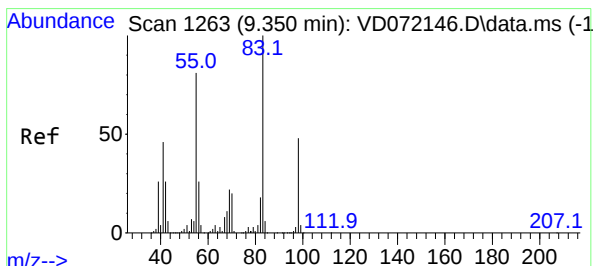
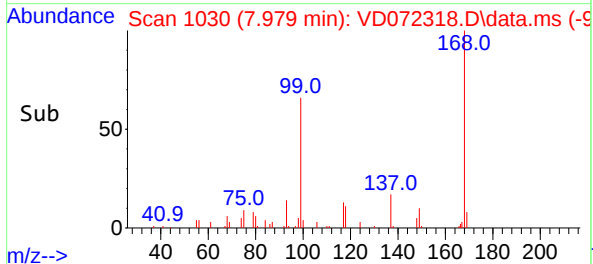
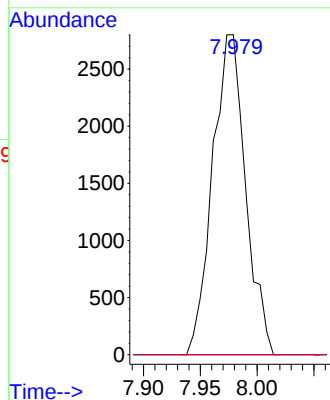
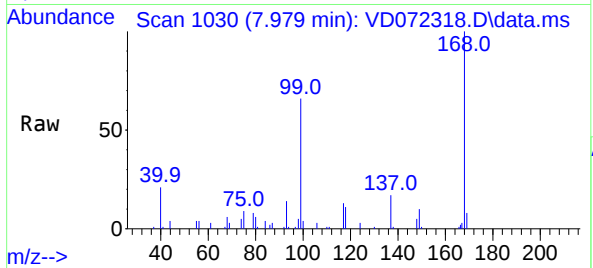




#38
Carbon Tetrachloride
Concen: 5.668 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.112 min
Lab File: VD072318.D
Acq: 19 Mar 2022 05:33

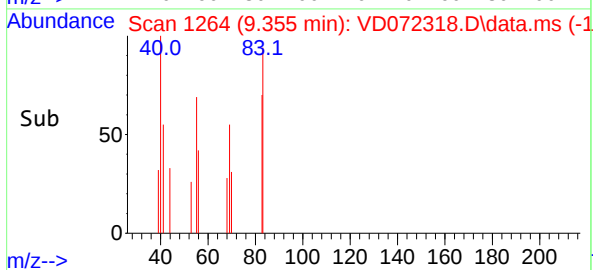
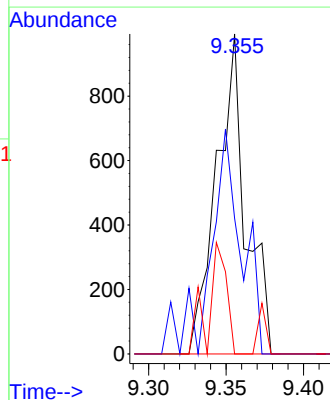
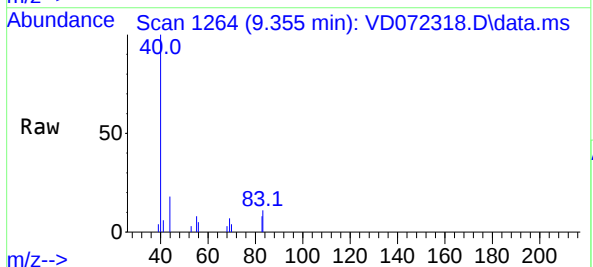
Instrument :
MSVOA_D
ClientSampleId :
G-3-12-21-22

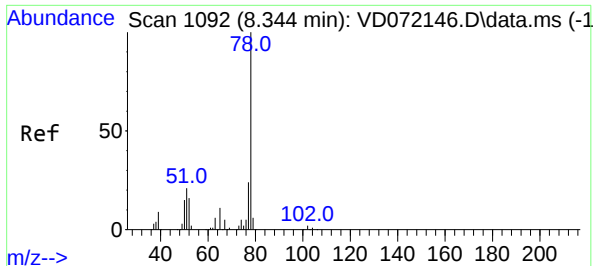
Tgt Ion:117 Resp: 5675
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 24.5 36.7#



#39
Methylcyclohexane
Concen: 1.309 ug/l
RT: 9.355 min Scan# 1264
Delta R.T. 0.006 min
Lab File: VD072318.D
Acq: 19 Mar 2022 05:33

Tgt Ion: 83 Resp: 1297
Ion Ratio Lower Upper
83 100
55 42.4 63.2 94.8#
98 0.0 38.2 57.4#

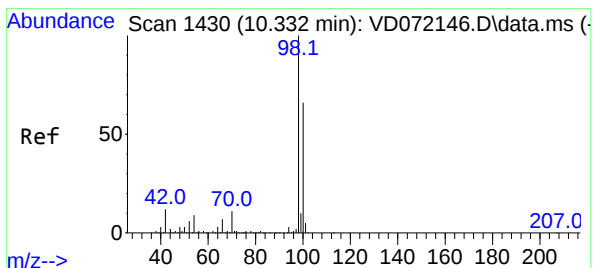
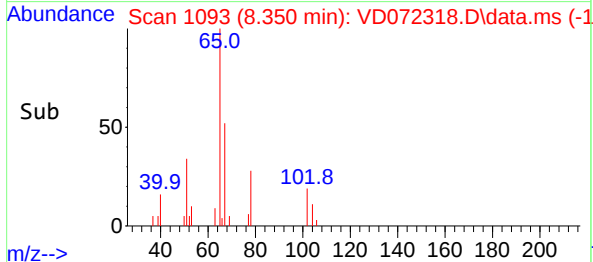
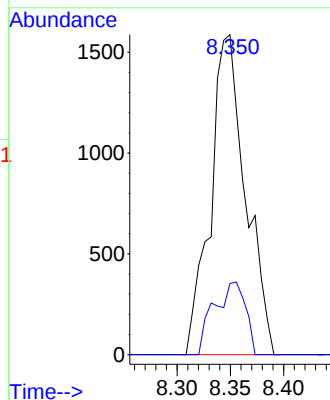
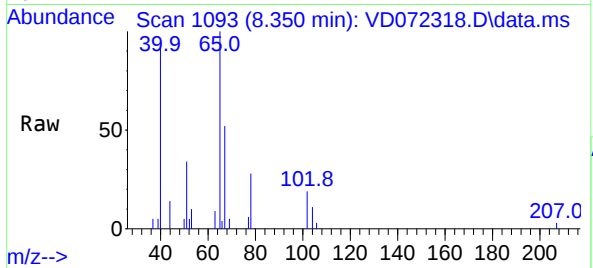




#40
Benzene
Concen: 1.443 ug/l
RT: 8.350 min Scan# 1093
Delta R.T. 0.006 min
Lab File: VD072318.D
Acq: 19 Mar 2022 05:33

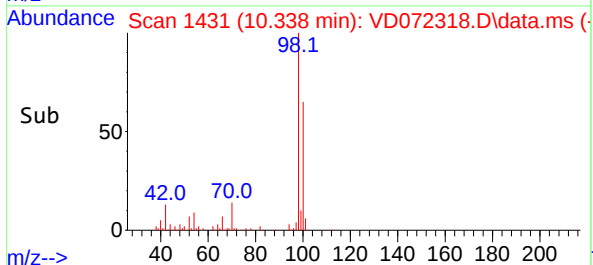
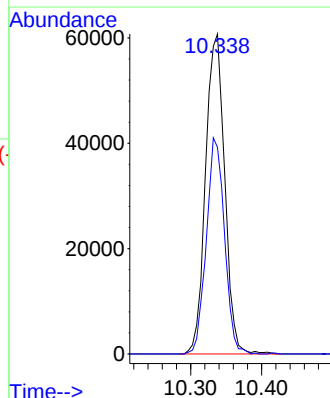
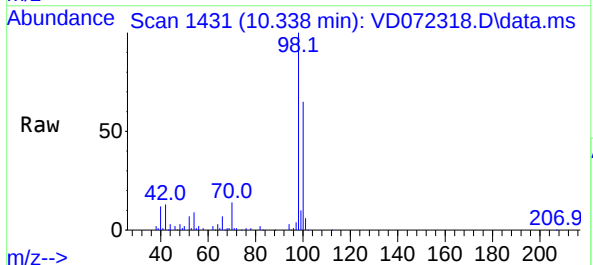
Instrument :
MSVOA_D
ClientSampleId :
G-3-12-21-22

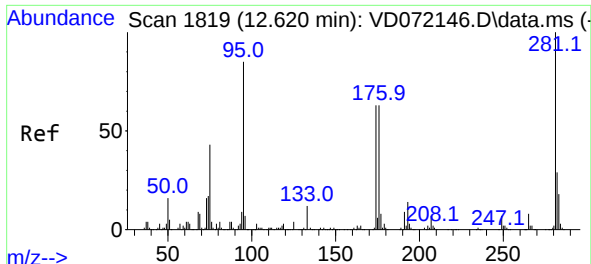
Tgt Ion: 78 Resp: 3625
Ion Ratio Lower Upper
78 100
77 22.2 19.1 28.7



#50
Toluene-d8
Concen: 49.564 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VD072318.D
Acq: 19 Mar 2022 05:33

Tgt Ion: 98 Resp: 113782
Ion Ratio Lower Upper
98 100
100 64.1 52.4 78.6





#62

4-Bromofluorobenzene

Concen: 61.030 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. 0.000 min

Lab File: VD072318.D

Acq: 19 Mar 2022 05:33

Instrument :

MSVOA_D

ClientSampleId :

G-3-12-21-22

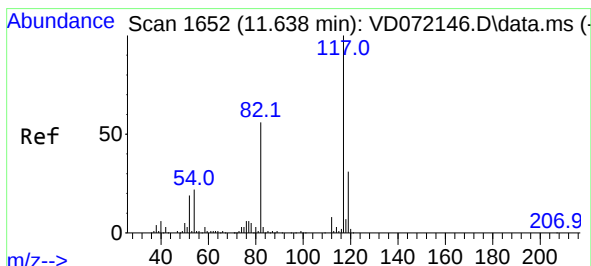
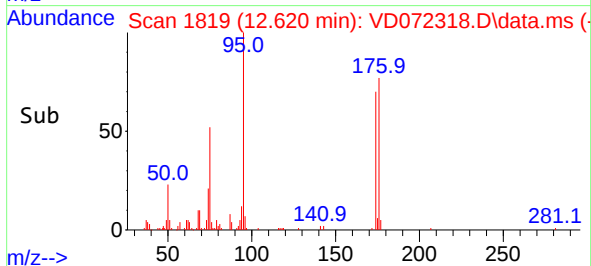
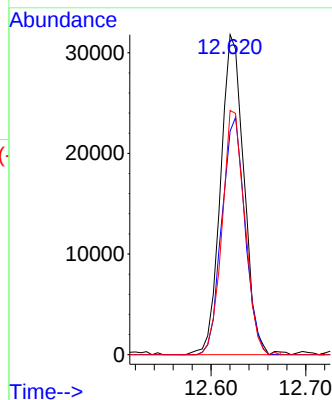
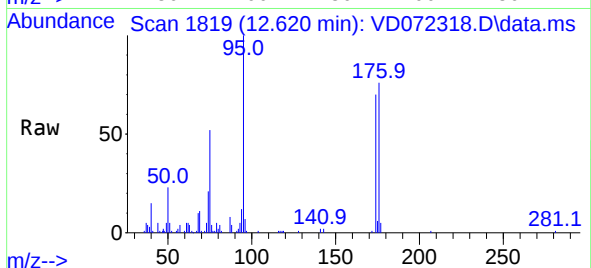
Tgt Ion: 95 Resp: 54438

Ion Ratio Lower Upper

95 100

174 73.6 0.0 152.8

176 74.0 0.0 145.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.638 min Scan# 1652

Delta R.T. 0.000 min

Lab File: VD072318.D

Acq: 19 Mar 2022 05:33

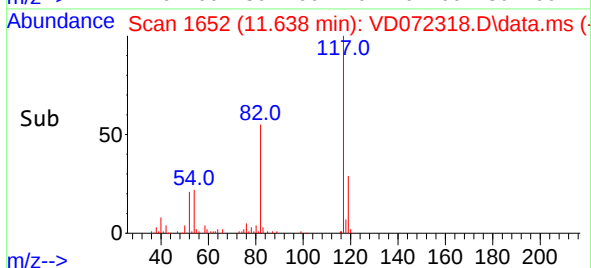
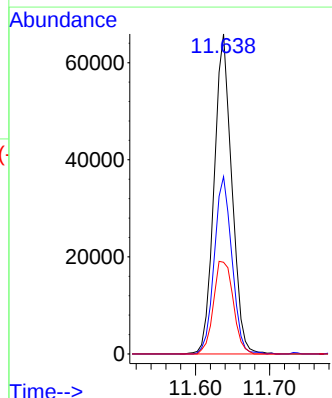
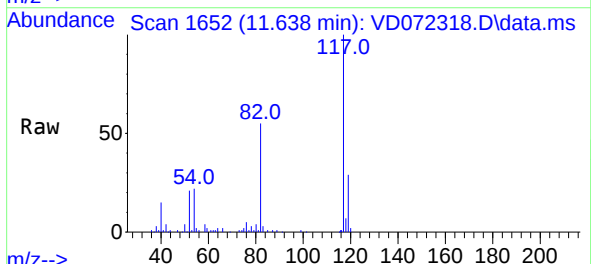
Tgt Ion: 117 Resp: 109062

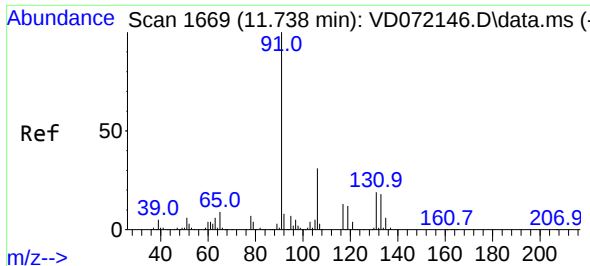
Ion Ratio Lower Upper

117 100

82 55.4 45.3 67.9

119 28.6 26.6 40.0

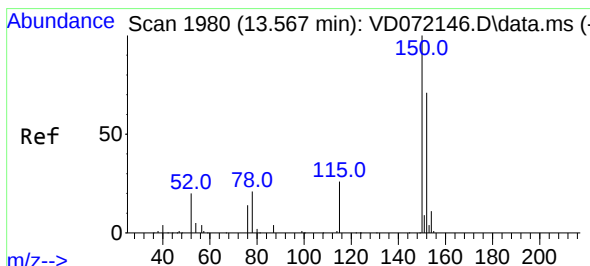
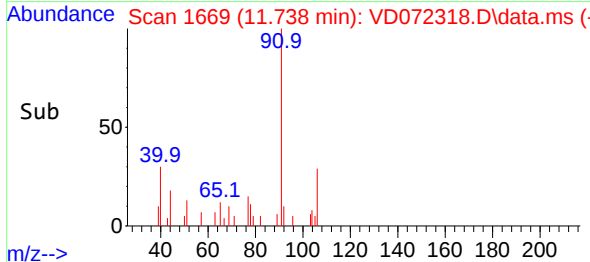
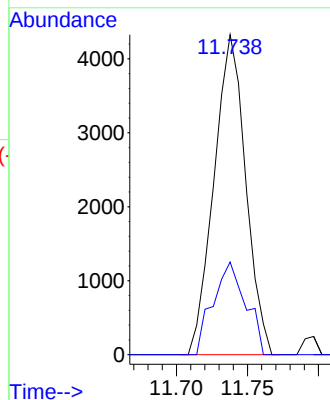
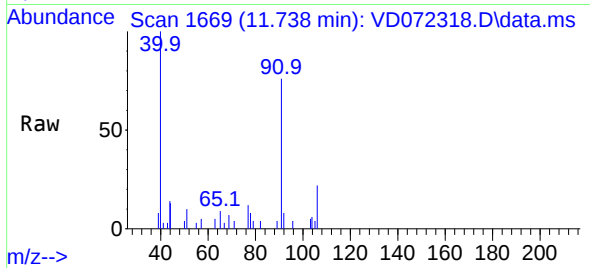




#67
Ethyl Benzene
Concen: 1.555 ug/l
RT: 11.738 min Scan# 1
Delta R.T. 0.000 min
Lab File: VD072318.D
Acq: 19 Mar 2022 05:33

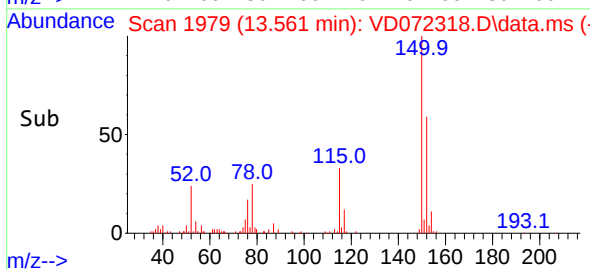
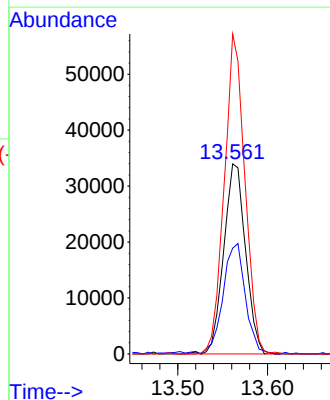
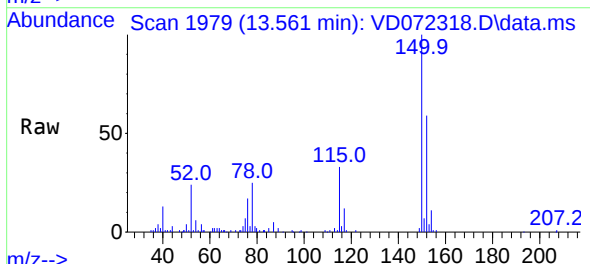
Instrument :
MSVOA_D
ClientSampleId :
G-3-12-21-22

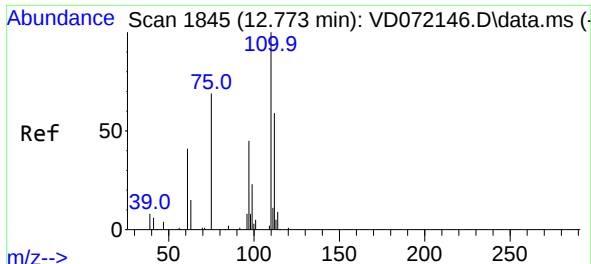
Tgt Ion: 91 Resp: 6714
Ion Ratio Lower Upper
91 100
106 28.9 24.2 36.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD072318.D
Acq: 19 Mar 2022 05:33

Tgt Ion:152 Resp: 57421
Ion Ratio Lower Upper
152 100
115 59.5 31.3 93.8
150 158.6 0.0 348.6

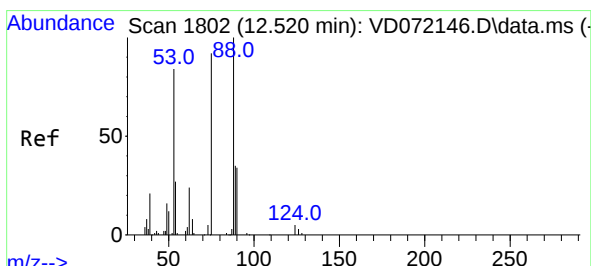
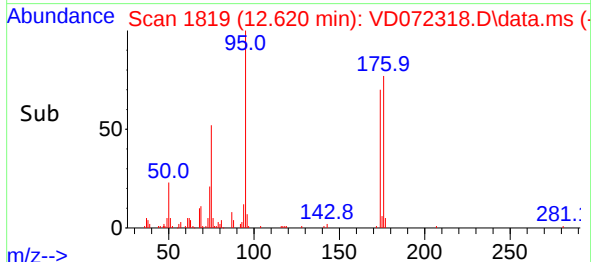
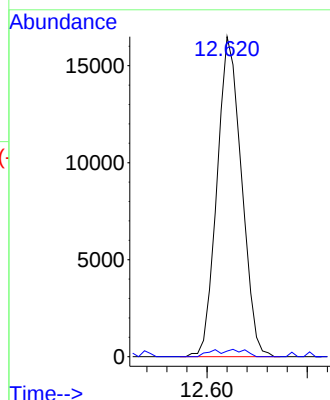
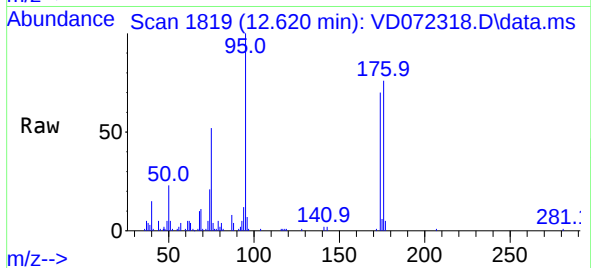




#76
1,2,3-Trichloropropane
Concen: 44.142 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD072318.D
Acq: 19 Mar 2022 05:33

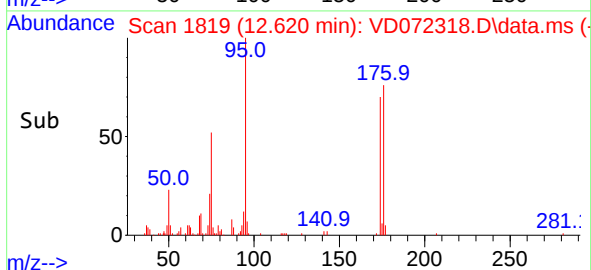
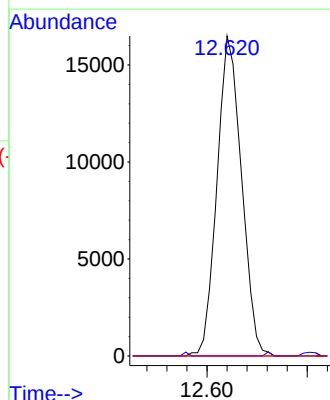
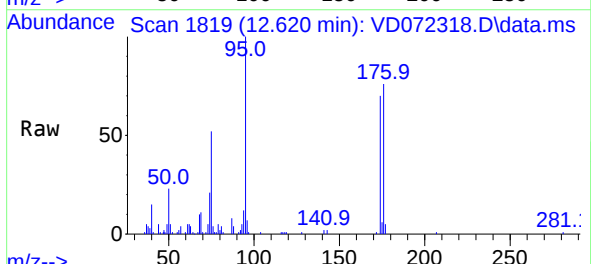
Instrument :
MSVOA_D
ClientSampleId :
G-3-12-21-22

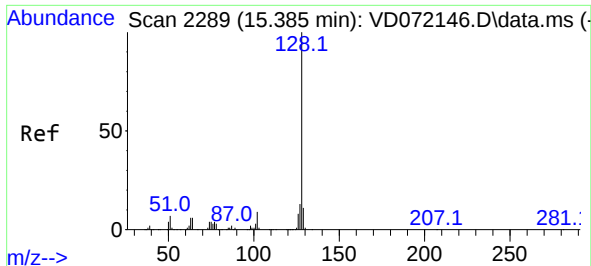
Tgt Ion: 75 Resp: 27960
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 109.522 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD072318.D
Acq: 19 Mar 2022 05:33

Tgt Ion: 75 Resp: 27960
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.0 33.9 50.9#





#95

Naphthalene

Concen: 12.868 ug/l

RT: 15.385 min Scan# 21

Delta R.T. 0.000 min

Lab File: VD072318.D

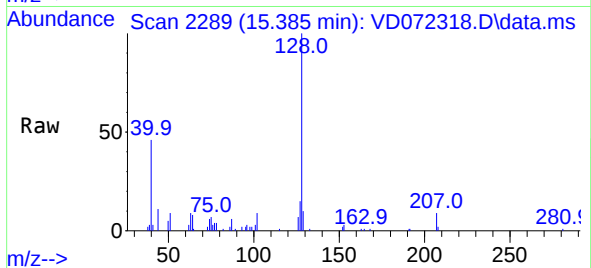
Acq: 19 Mar 2022 05:33

Instrument :

MSVOA_D

ClientSampleId :

G-3-12-21-22



Tgt Ion:128 Resp: 27482

Ion Ratio Lower Upper

128 100

127 13.5 10.3 15.5

129 12.5 8.4 12.6

