

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031822\
 Data File : VD072289.D
 Acq On : 18 Mar 2022 14:50
 Operator : VA/SY
 Sample : N1966-10
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 G-1-10-18-19RE

Quant Time: Mar 19 05:24:25 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	8703	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	13586	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	14775	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	7348	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	6568	67.718	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	135.440%
35) Dibromofluoromethane	7.903	113	6295	65.843	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	131.680%
50) Toluene-d8	10.332	98	16303	46.635	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	93.280%
62) 4-Bromofluorobenzene	12.626	95	6181	45.505	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	91.000%

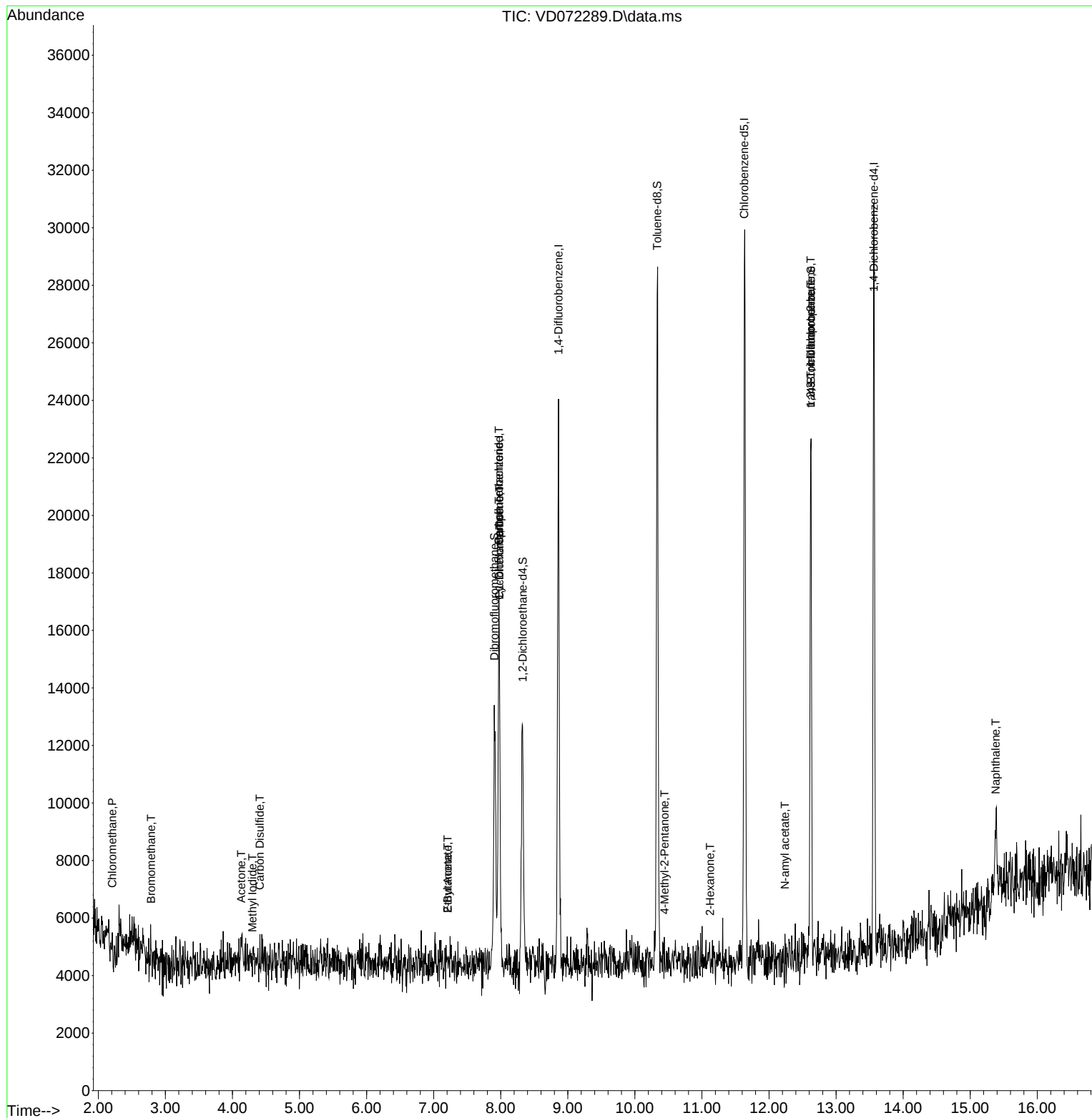
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.209	50	274	3.831	ug/l #	46
5) Bromomethane	2.785	94	152	3.381	ug/l	89
10) Methyl Iodide	4.297	142	335	5.820	ug/l #	38
16) Acetone	4.132	43	761	36.137	ug/l #	47
17) Carbon Disulfide	4.409	76	220	2.644	ug/l #	74
20) Methylene Chloride	4.956	84	69	Below Cal	#	59
25) 2-Butanone	7.209	43	113	4.025	ug/l #	52
31) Cyclohexane	7.979	56	187	1.234	ug/l #	48
36) 1,1-Dichloropropene	7.979	75	909	6.777	ug/l #	43
37) Ethyl Acetate	7.209	43	113	1.923	ug/l #	72
38) Carbon Tetrachloride	7.973	117	832	5.457	ug/l #	13
51) 4-Methyl-2-Pentanone	10.444	43	90	1.503	ug/l #	39
59) 2-Hexanone	11.120	43	56	1.354	ug/l #	27
74) N-amyl acetate	12.238	43	127	1.015	ug/l #	45
76) 1,2,3-Trichloropropane	12.620	75	3562	43.946	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	3562	109.033	ug/l #	7
95) Naphthalene	15.379	128	2663	9.744	ug/l #	79

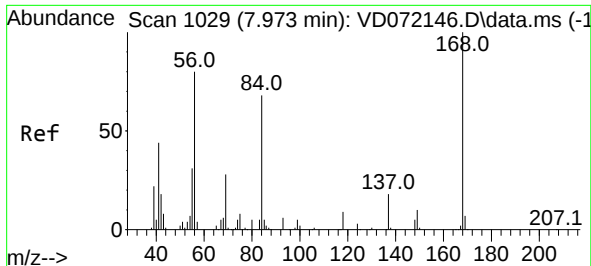
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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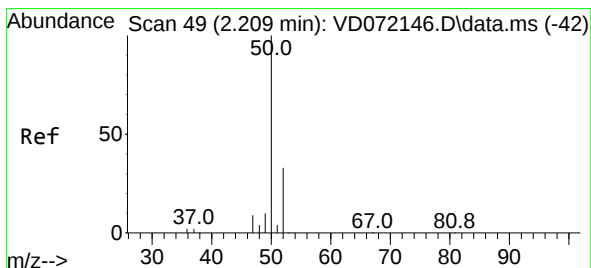
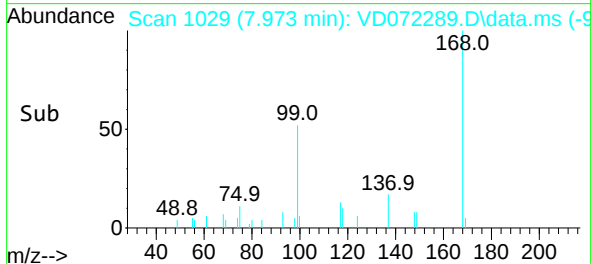
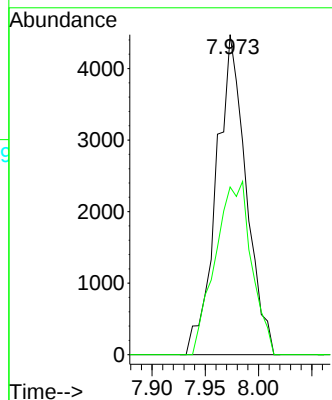
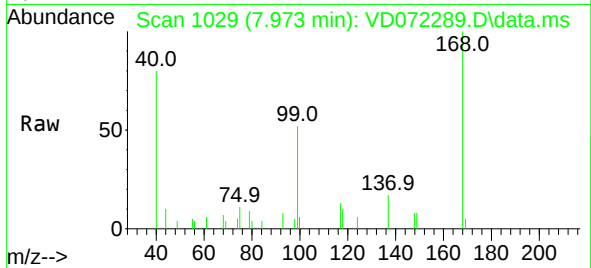




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD072289.D
Acq: 18 Mar 2022 14:50

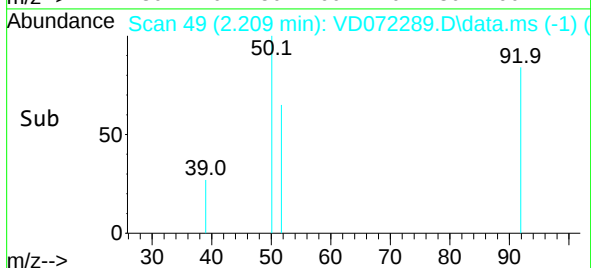
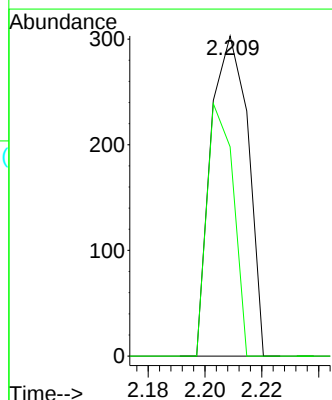
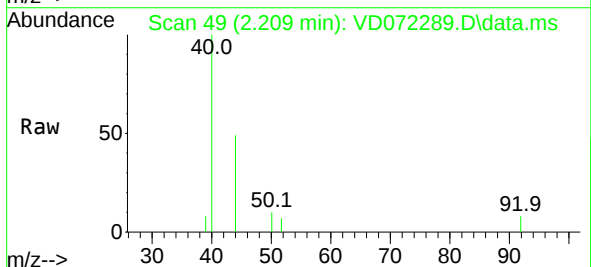
Instrument :
MSVOA_D
ClientSampleId :
G-1-10-18-19RE

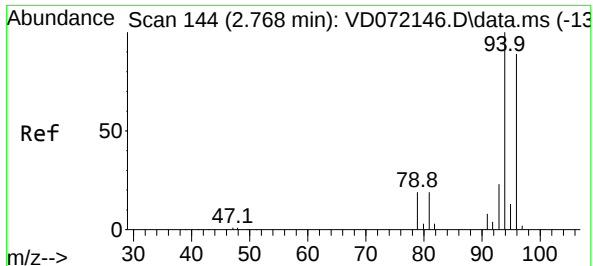
Tgt Ion:168 Resp: 8703
Ion Ratio Lower Upper
168 100
99 52.4 49.8 74.6



#3
Chloromethane
Concen: 3.831 ug/l
RT: 2.209 min Scan# 49
Delta R.T. 0.000 min
Lab File: VD072289.D
Acq: 18 Mar 2022 14:50

Tgt Ion: 50 Resp: 274
Ion Ratio Lower Upper
50 100
52 65.3 27.4 41.0#





#5

Bromomethane

Concen: 3.381 ug/l

RT: 2.785 min Scan# 14

Delta R.T. 0.018 min

Lab File: VD072289.D

Acq: 18 Mar 2022 14:50

Instrument :

MSVOA_D

ClientSampleId :

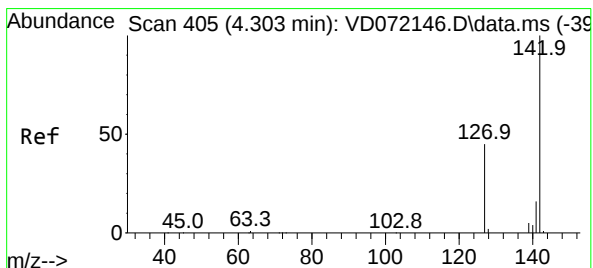
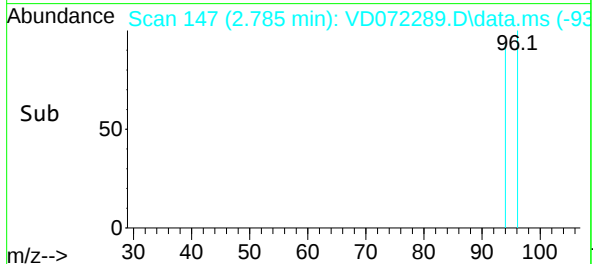
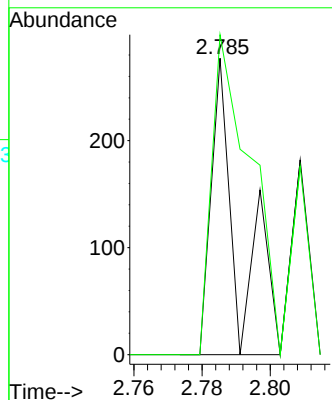
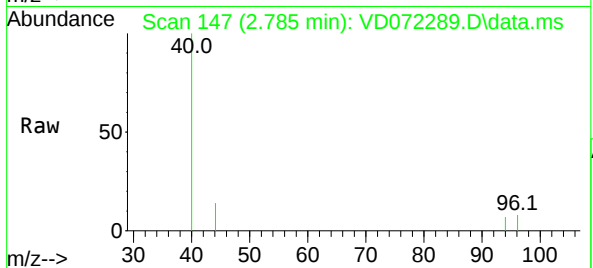
G-1-10-18-19RE

Tgt Ion: 94 Resp: 152

Ion Ratio Lower Upper

94 100

96 107.9 77.6 116.4



#10

Methyl Iodide

Concen: 5.820 ug/l

RT: 4.297 min Scan# 404

Delta R.T. -0.006 min

Lab File: VD072289.D

Acq: 18 Mar 2022 14:50

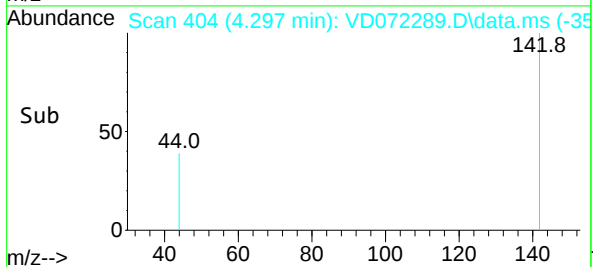
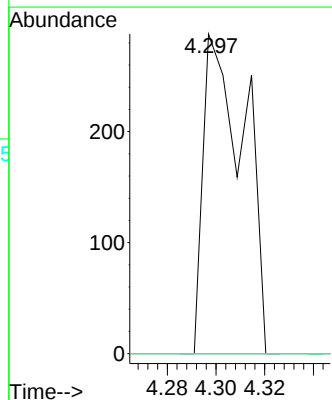
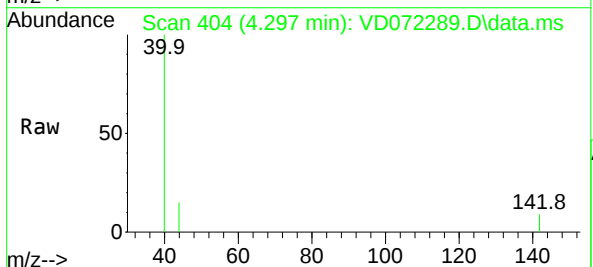
Tgt Ion: 142 Resp: 335

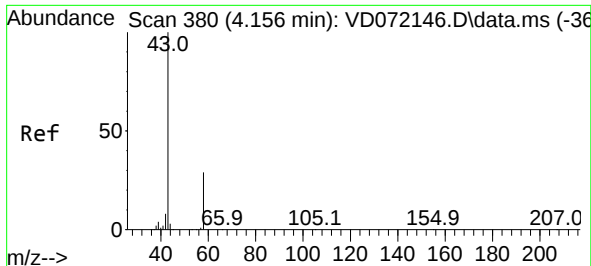
Ion Ratio Lower Upper

142 100

127 0.0 37.3 55.9#

141 0.0 11.7 17.5#

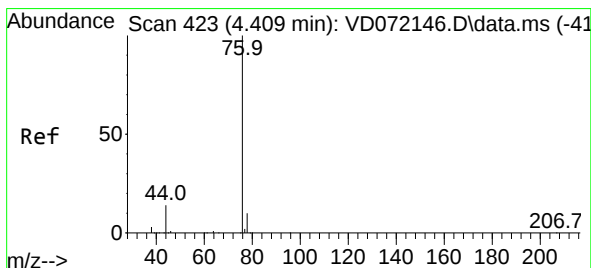
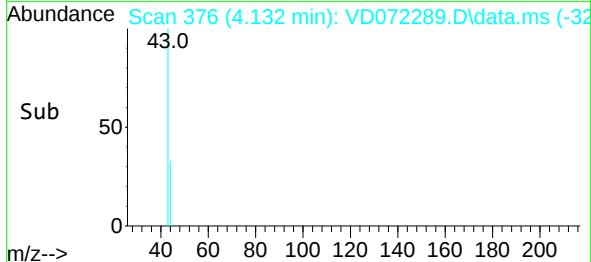
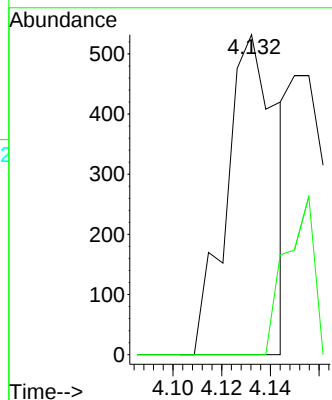
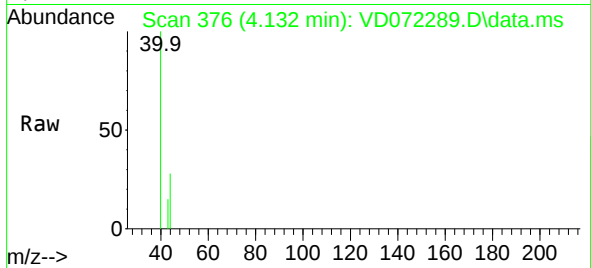




#16
Acetone
Concen: 36.137 ug/l
RT: 4.132 min Scan# 31
Delta R.T. -0.023 min
Lab File: VD072289.D
Acq: 18 Mar 2022 14:50

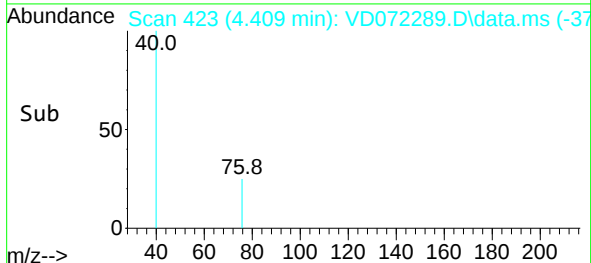
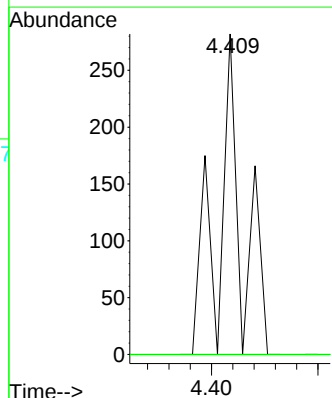
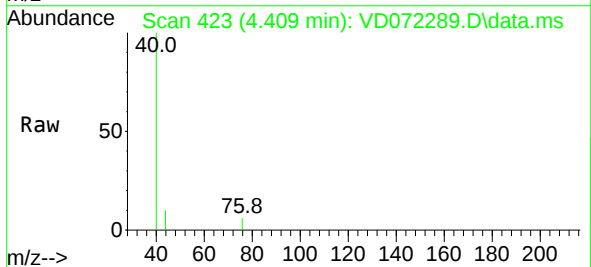
Instrument :
MSVOA_D
ClientSampleId :
G-1-10-18-19RE

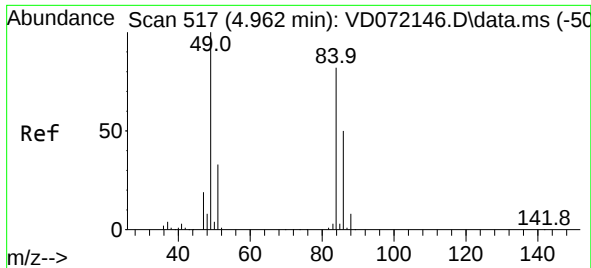
Tgt Ion: 43 Resp: 761
Ion Ratio Lower Upper
43 100
58 0.0 22.1 33.1#



#17
Carbon Disulfide
Concen: 2.644 ug/l
RT: 4.409 min Scan# 423
Delta R.T. -0.000 min
Lab File: VD072289.D
Acq: 18 Mar 2022 14:50

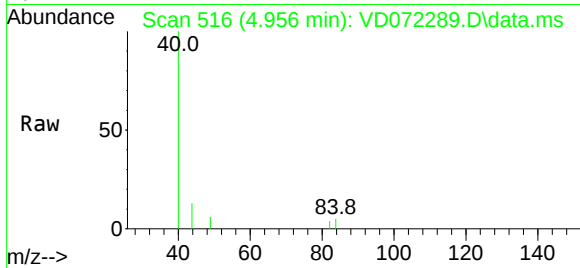
Tgt Ion: 76 Resp: 220
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#



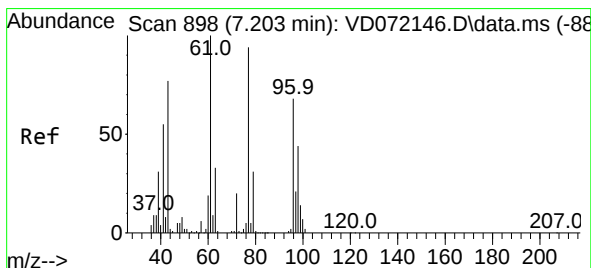
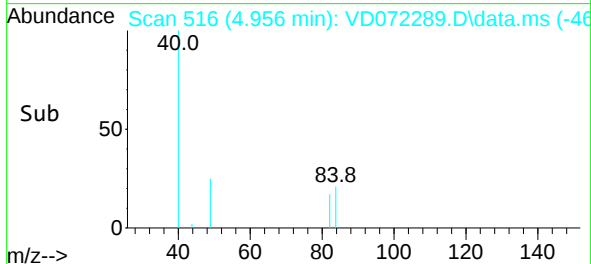
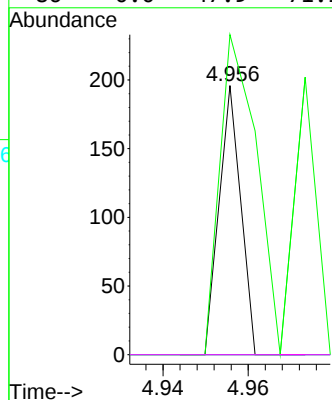


#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 517
Delta R.T. -0.006 min
Lab File: VD072289.D
Acq: 18 Mar 2022 14:50

Instrument :
MSVOA_D
ClientSampleId :
G-1-10-18-19RE

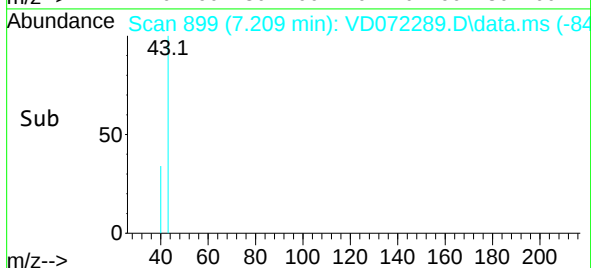
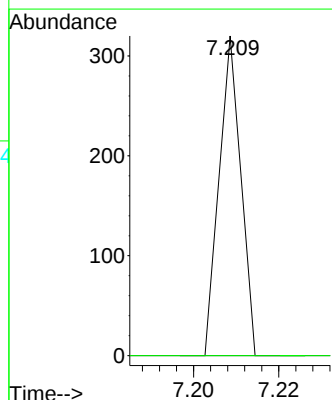
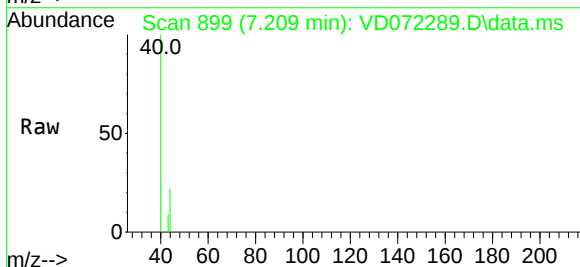


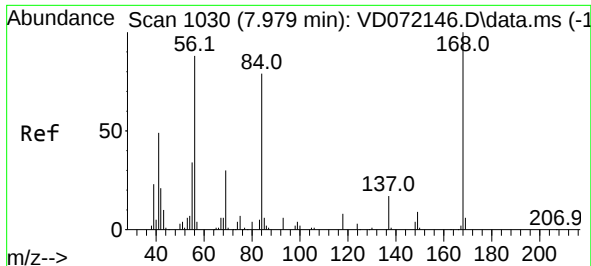
Tgt Ion: 84 Resp: 69
Ion Ratio Lower Upper
84 100
49 118.9 112.8 169.2
51 0.0 32.6 48.8#
86 0.0 47.9 71.9#



#25
2-Butanone
Concen: 4.025 ug/l
RT: 7.209 min Scan# 899
Delta R.T. 0.006 min
Lab File: VD072289.D
Acq: 18 Mar 2022 14:50

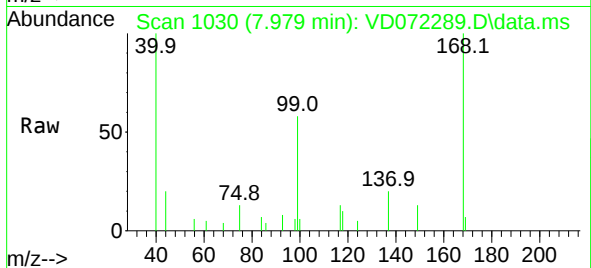
Tgt Ion: 43 Resp: 113
Ion Ratio Lower Upper
43 100
72 0.0 18.6 27.8#



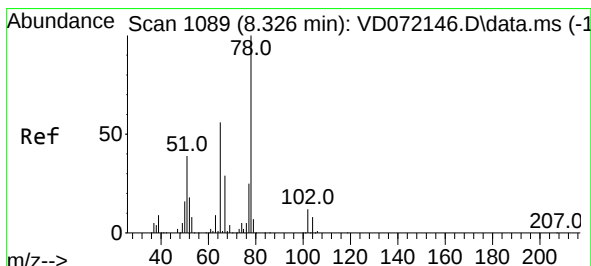
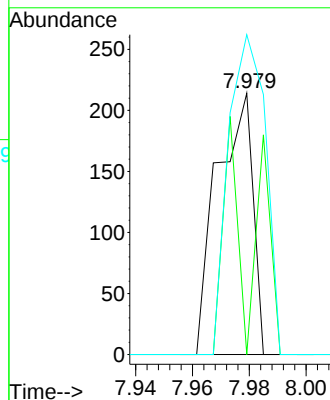
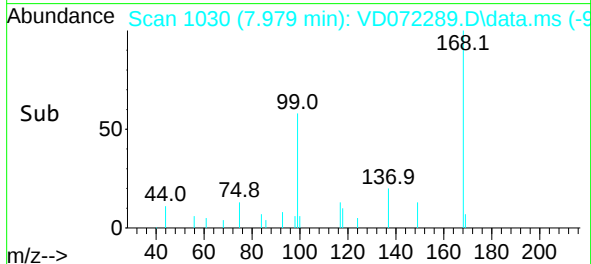


#31
Cyclohexane
Concen: 1.234 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD072289.D
Acq: 18 Mar 2022 14:50

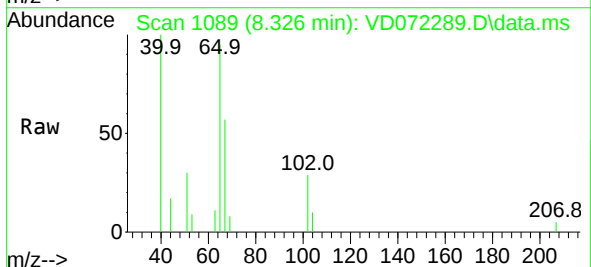
Instrument :
MSVOA_D
ClientSampleId :
G-1-10-18-19RE



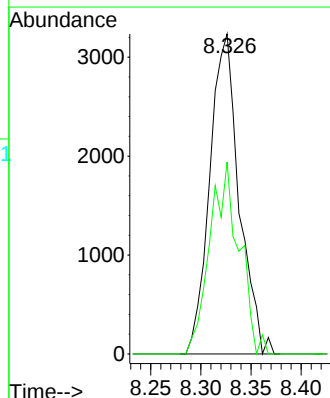
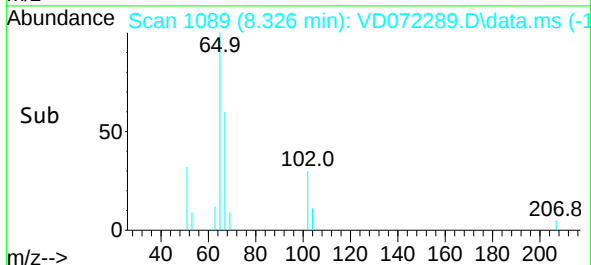
Tgt Ion: 56 Resp: 187
Ion Ratio Lower Upper
56 100
69 0.0 25.4 38.2#
84 122.4 63.0 94.4#

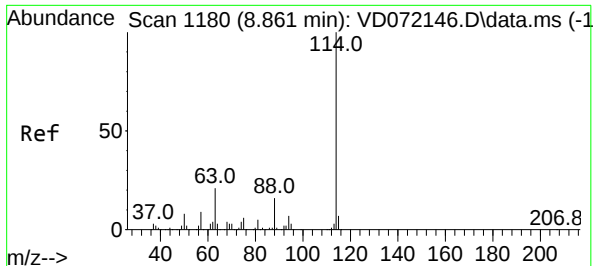


#33
1,2-Dichloroethane-d4
Concen: 67.718 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD072289.D
Acq: 18 Mar 2022 14:50



Tgt Ion: 65 Resp: 6568
Ion Ratio Lower Upper
65 100
67 60.0 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: VD072289.D

Acq: 18 Mar 2022 14:50

Instrument :

MSVOA_D

ClientSampleId :

G-1-10-18-19RE

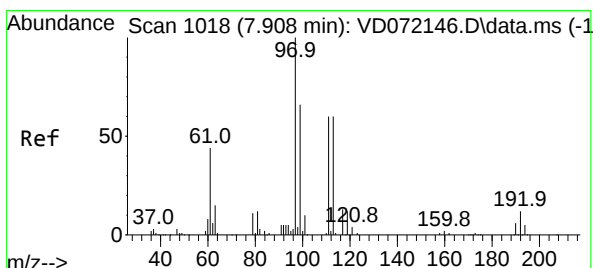
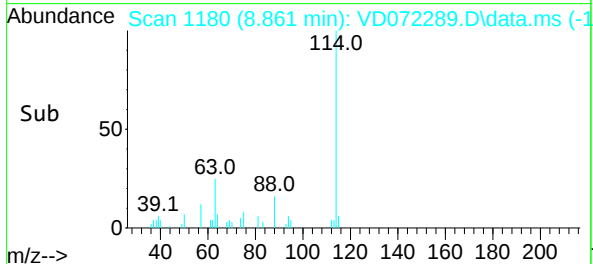
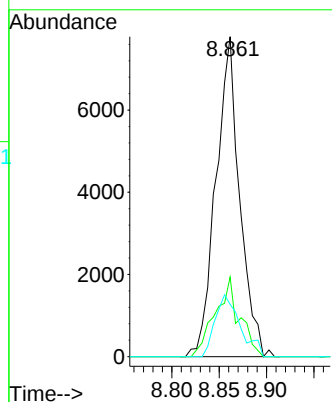
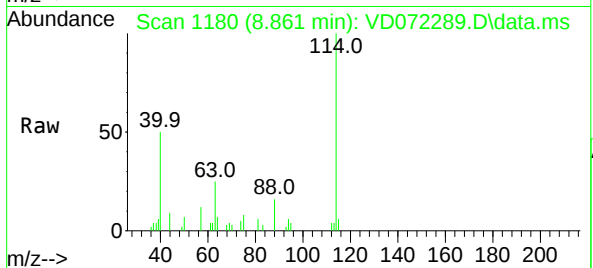
Tgt Ion:114 Resp: 13586

Ion Ratio Lower Upper

114 100

63 24.9 0.0 46.6

88 16.3 0.0 33.2



#35

Dibromofluoromethane

Concen: 65.843 ug/l

RT: 7.903 min Scan# 1017

Delta R.T. -0.006 min

Lab File: VD072289.D

Acq: 18 Mar 2022 14:50

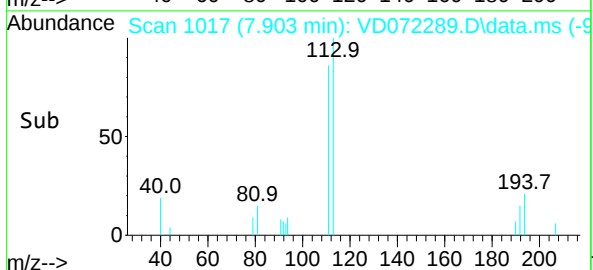
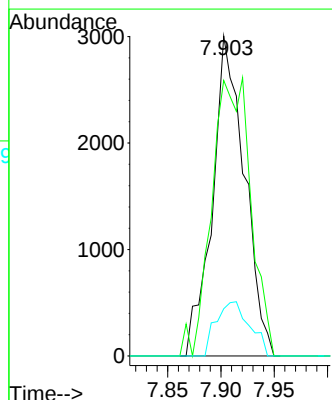
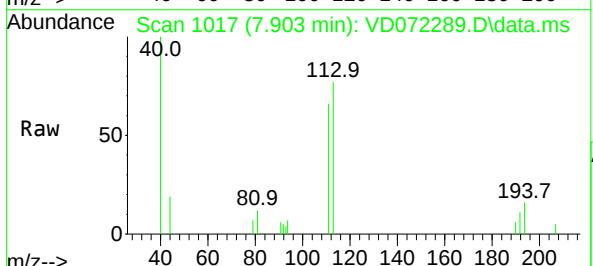
Tgt Ion:113 Resp: 6295

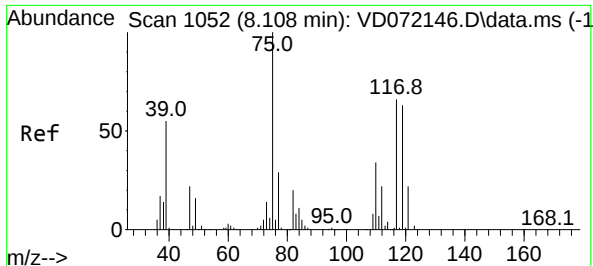
Ion Ratio Lower Upper

113 100

111 104.9 83.8 125.6

192 17.7 14.6 21.8





#36

1,1-Dichloropropene

Concen: 6.777 ug/l

RT: 7.979 min Scan# 1

Delta R.T. -0.129 min

Lab File: VD072289.D

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MSVOA_D

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G-1-10-18-19RE

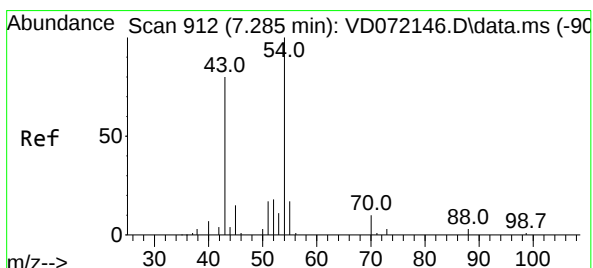
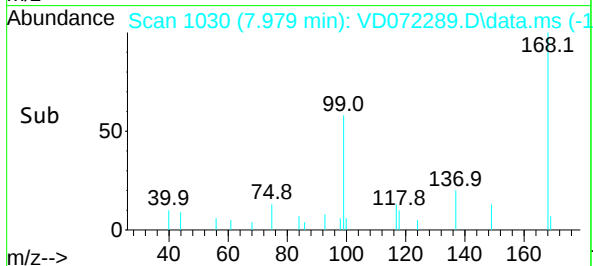
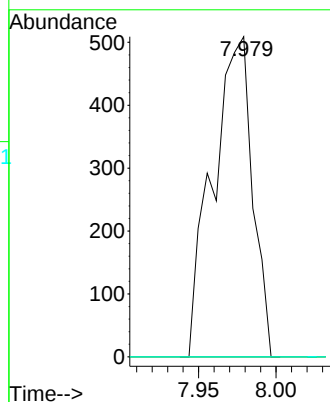
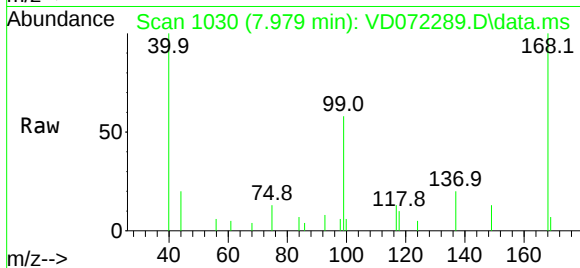
Tgt Ion: 75 Resp: 909

Ion Ratio Lower Upper

75 100

110 0.0 16.4 49.1#

77 0.0 24.2 36.2#



#37

Ethyl Acetate

Concen: 1.923 ug/l

RT: 7.209 min Scan# 899

Delta R.T. -0.076 min

Lab File: VD072289.D

Acq: 18 Mar 2022 14:50

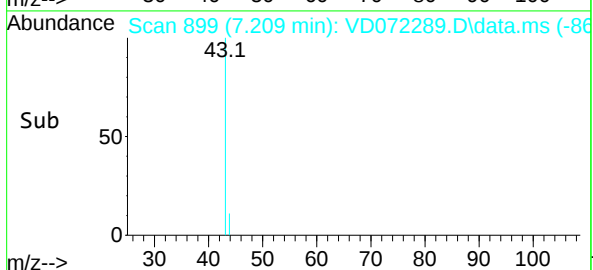
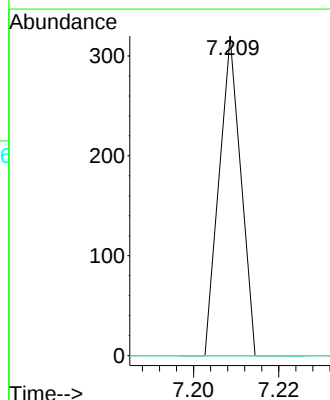
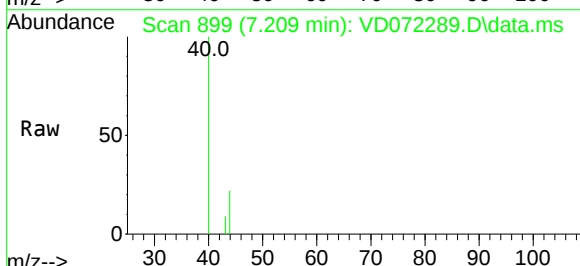
Tgt Ion: 43 Resp: 113

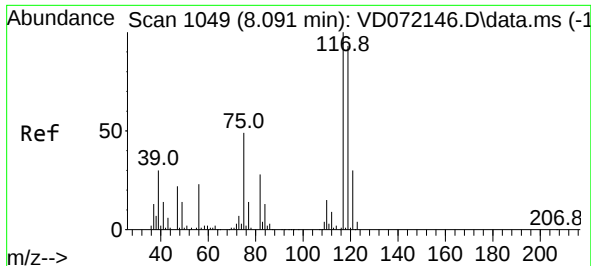
Ion Ratio Lower Upper

43 100

61 0.0 9.8 14.8#

70 0.0 6.9 10.3#





#38

Carbon Tetrachloride

Concen: 5.457 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.118 min

Lab File: VD072289.D

Acq: 18 Mar 2022 14:50

Instrument :

MSVOA_D

ClientSampleId :

G-1-10-18-19RE

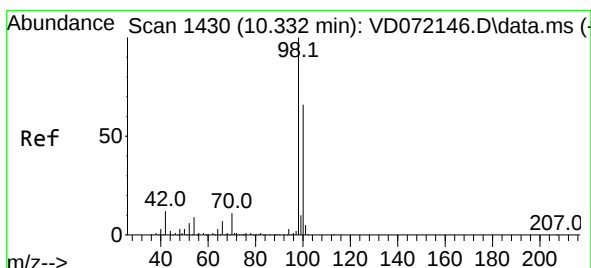
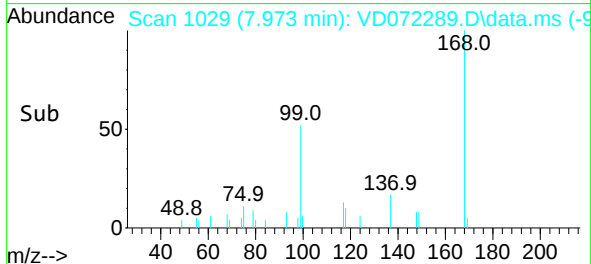
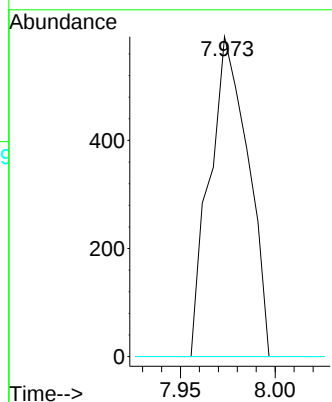
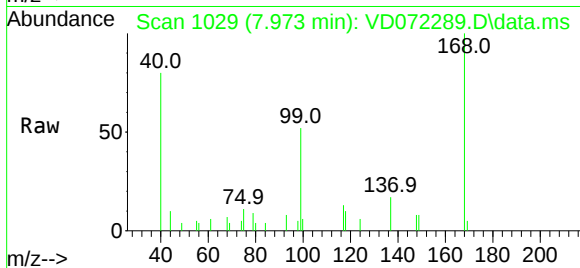
Tgt Ion:117 Resp: 832

Ion Ratio Lower Upper

117 100

119 0.0 75.8 113.6#

121 0.0 24.5 36.7#



#50

Toluene-d8

Concen: 46.635 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. 0.000 min

Lab File: VD072289.D

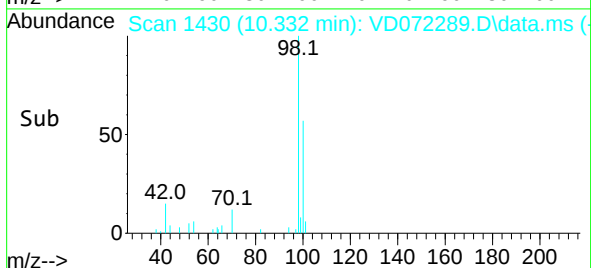
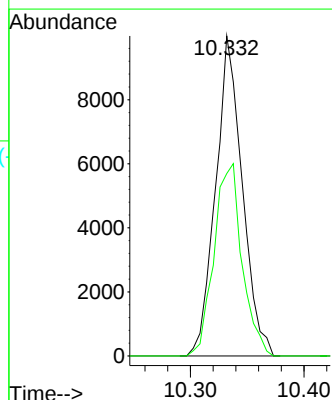
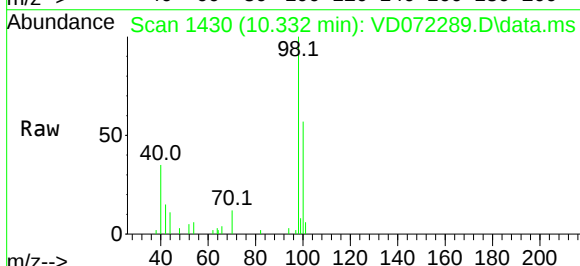
Acq: 18 Mar 2022 14:50

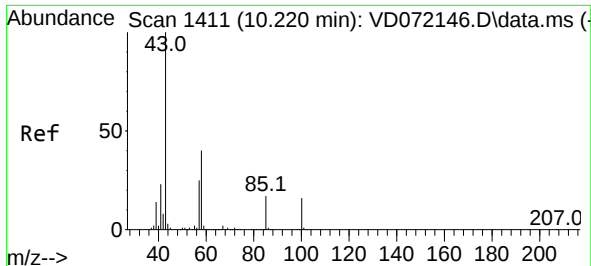
Tgt Ion: 98 Resp: 16303

Ion Ratio Lower Upper

98 100

100 63.1 52.4 78.6

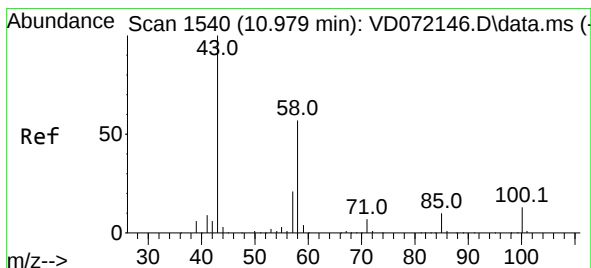
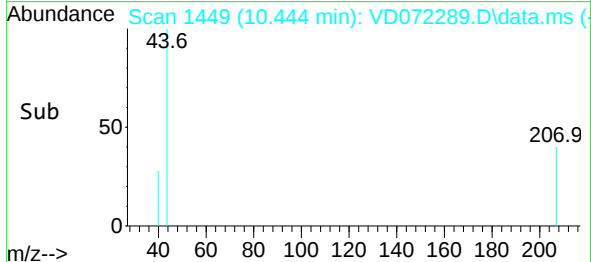
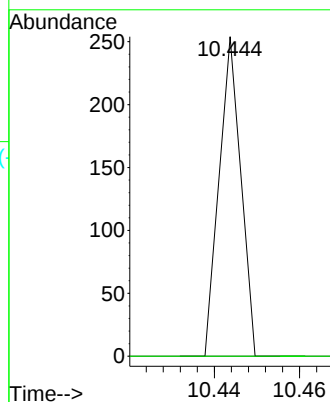
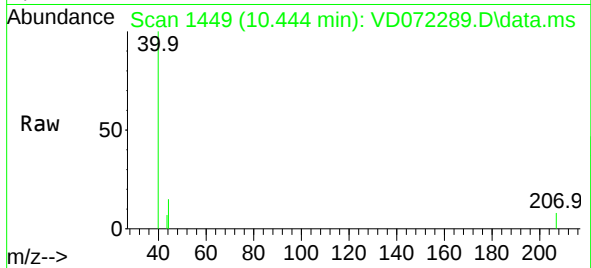




#51
4-Methyl-2-Pentanone
Concen: 1.503 ug/l
RT: 10.444 min Scan# 1411
Delta R.T. 0.224 min
Lab File: VD072289.D
Acq: 18 Mar 2022 14:50

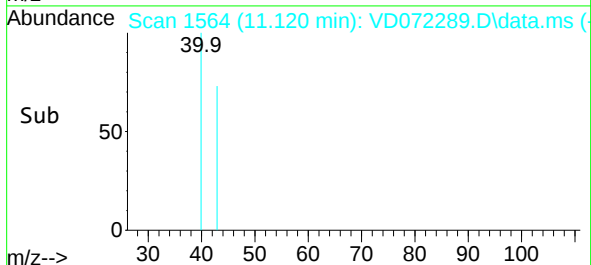
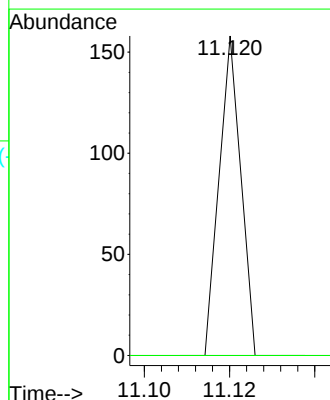
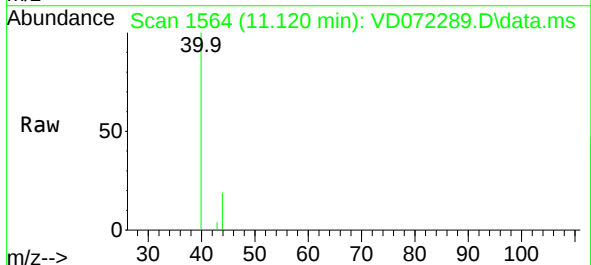
Instrument :
MSVOA_D
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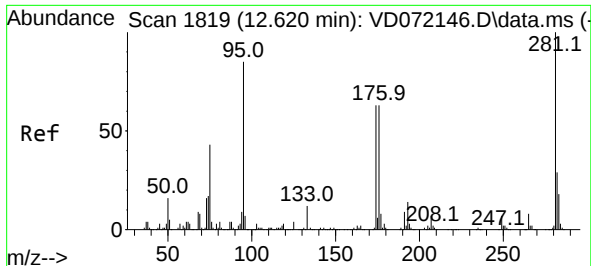
Tgt Ion: 43 Resp: 90
Ion Ratio Lower Upper
43 100
58 0.0 28.6 43.0#



#59
2-Hexanone
Concen: 1.354 ug/l
RT: 11.120 min Scan# 1564
Delta R.T. 0.141 min
Lab File: VD072289.D
Acq: 18 Mar 2022 14:50

Tgt Ion: 43 Resp: 56
Ion Ratio Lower Upper
43 100
58 0.0 25.3 75.9#

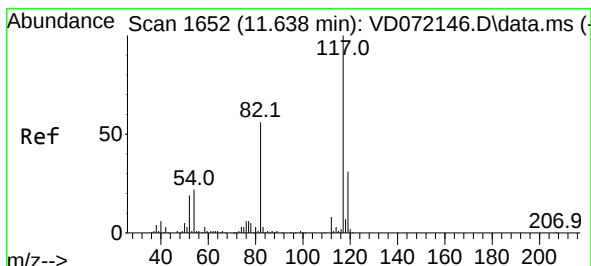
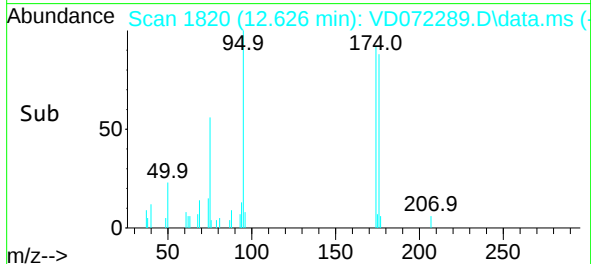
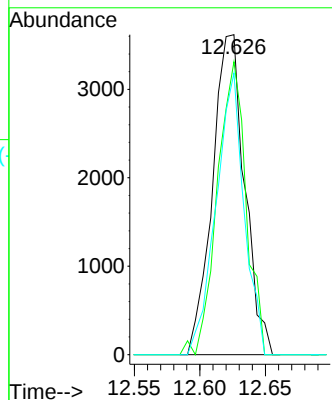
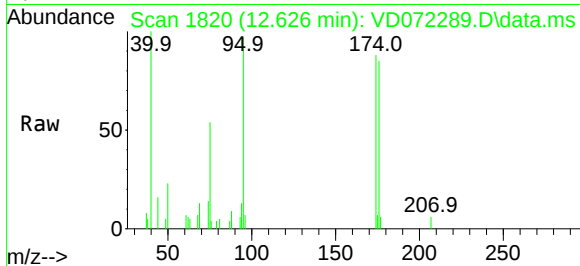




#62
4-Bromofluorobenzene
Concen: 45.505 ug/l
RT: 12.626 min Scan# 1819
Delta R.T. 0.006 min
Lab File: VD072289.D
Acq: 18 Mar 2022 14:50

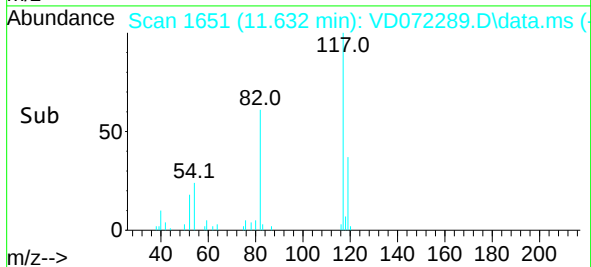
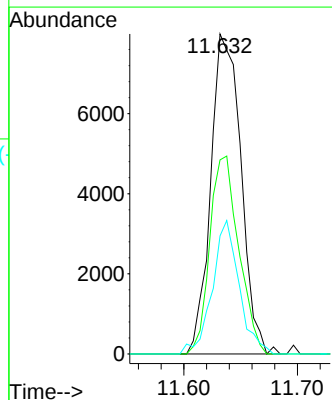
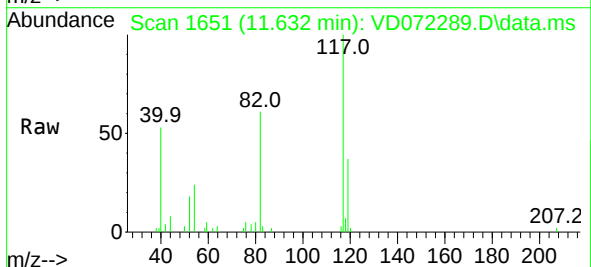
Instrument :
MSVOA_D
ClientSampleId :
G-1-10-18-19RE

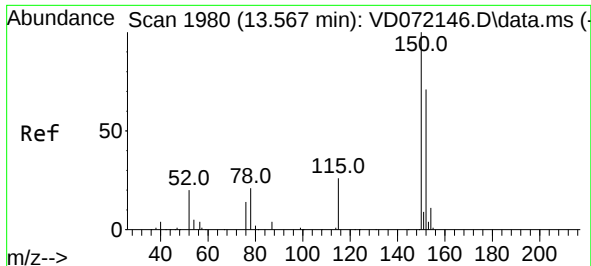
Tgt Ion: 95 Resp: 6181
Ion Ratio Lower Upper
95 100
174 81.6 0.0 152.8
176 76.7 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.006 min
Lab File: VD072289.D
Acq: 18 Mar 2022 14:50

Tgt Ion: 117 Resp: 14775
Ion Ratio Lower Upper
117 100
82 60.7 45.3 67.9
119 36.9 26.6 40.0

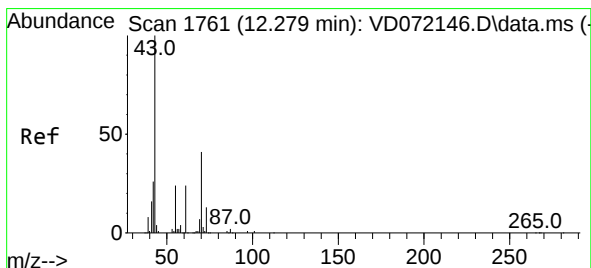
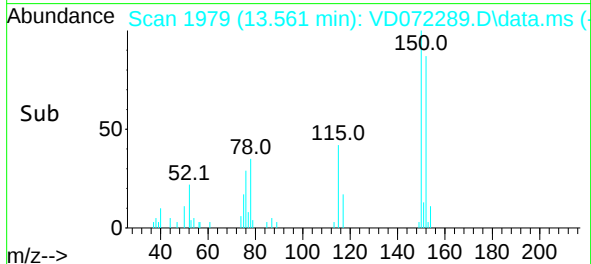
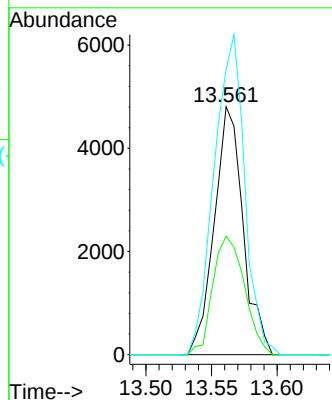
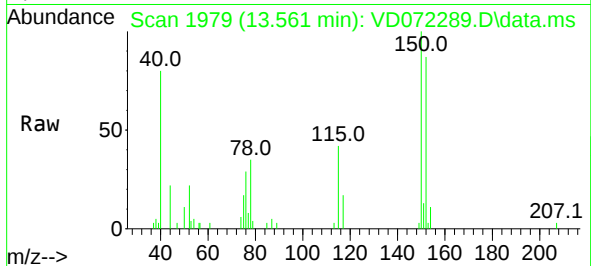




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1980
Delta R.T. -0.006 min
Lab File: VD072289.D
Acq: 18 Mar 2022 14:50

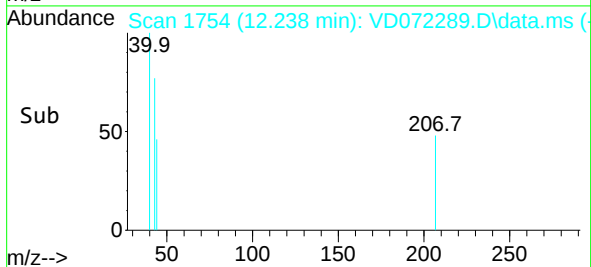
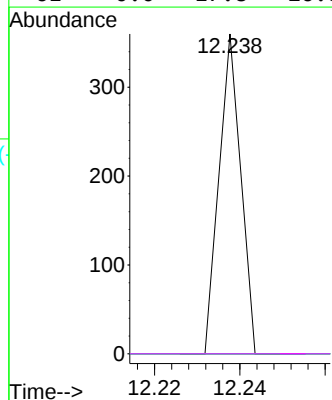
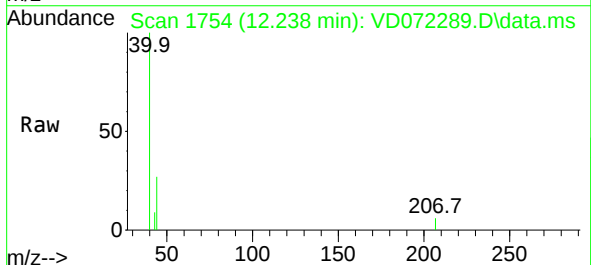
Instrument :
MSVOA_D
ClientSampleId :
G-1-10-18-19RE

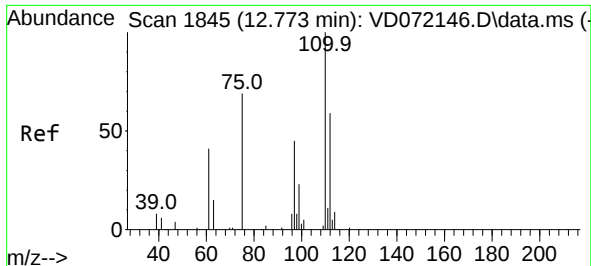
Tgt Ion:	152	Resp:	7348
Ion	Ratio	Lower	Upper
152	100		
115	52.4	31.3	93.8
150	136.6	0.0	348.6



#74
N-ethyl acetate
Concen: 1.015 ug/l
RT: 12.238 min Scan# 1754
Delta R.T. -0.041 min
Lab File: VD072289.D
Acq: 18 Mar 2022 14:50

Tgt Ion:	43	Resp:	127
Ion	Ratio	Lower	Upper
43	100		
70	0.0	31.3	46.9#
55	0.0	20.0	30.0#
61	0.0	17.8	26.8#

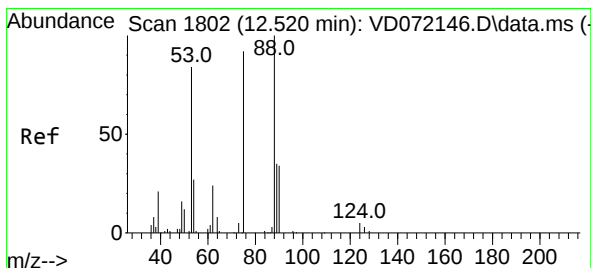
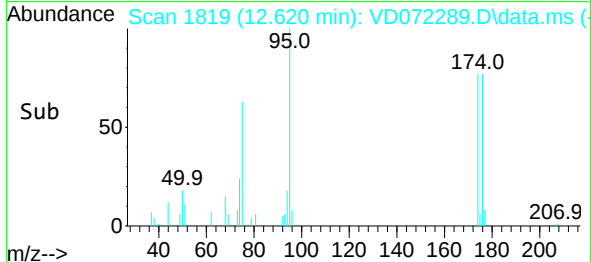
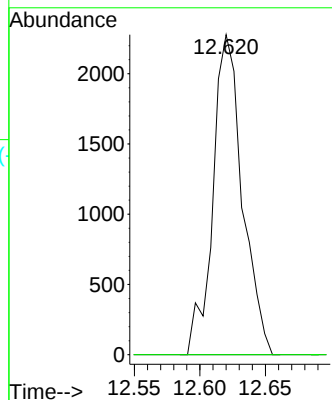
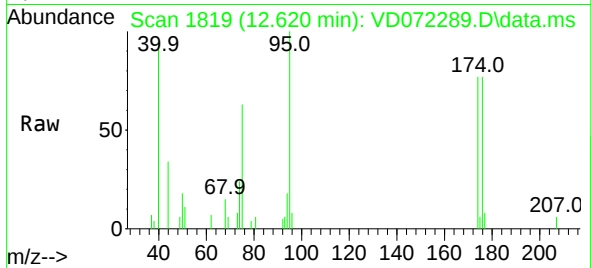




#76
1,2,3-Trichloropropane
Concen: 43.946 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD072289.D
Acq: 18 Mar 2022 14:50

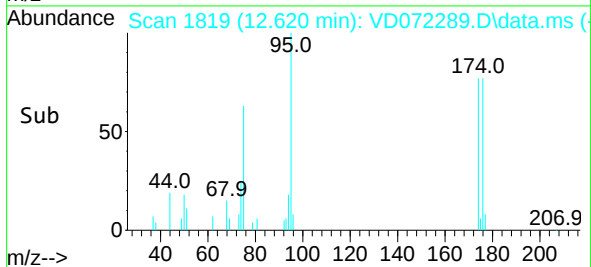
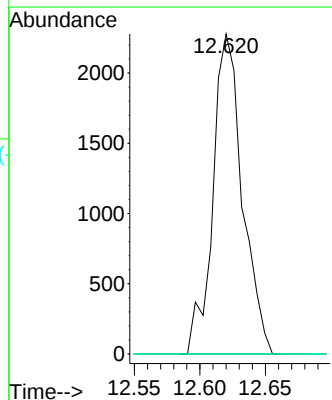
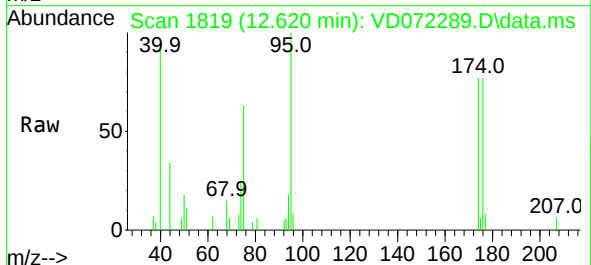
Instrument :
MSVOA_D
ClientSampleId :
G-1-10-18-19RE

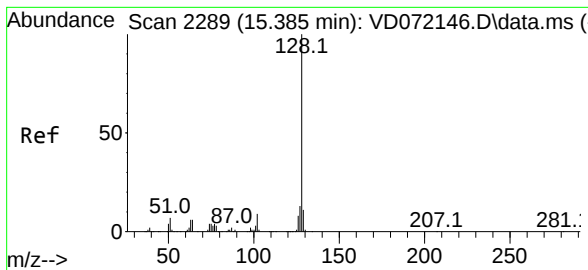
Tgt Ion: 75 Resp: 3562
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 109.033 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD072289.D
Acq: 18 Mar 2022 14:50

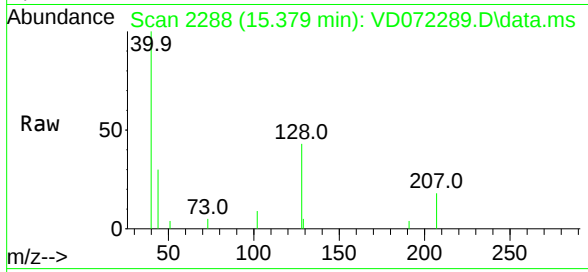
Tgt Ion: 75 Resp: 3562
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.0 33.9 50.9#





#95
Naphthalene
Concen: 9.744 ug/l
RT: 15.379 min Scan# 21
Delta R.T. -0.006 min
Lab File: VD072289.D
Acq: 18 Mar 2022 14:50

Instrument :
MSVOA_D
ClientSampleId :
G-1-10-18-19RE



Tgt Ion:	128	Resp:	2663
Ion	Ratio	Lower	Upper
128	100		
127	2.4	10.3	15.5#
129	4.8	8.4	12.6#

