

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031822\
 Data File : VD072299.D
 Acq On : 18 Mar 2022 19:37
 Operator : VA/SY
 Sample : N1962-03
 Misc : 5.03G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 C-18-17-18

Quant Time: Mar 19 05:27:59 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)

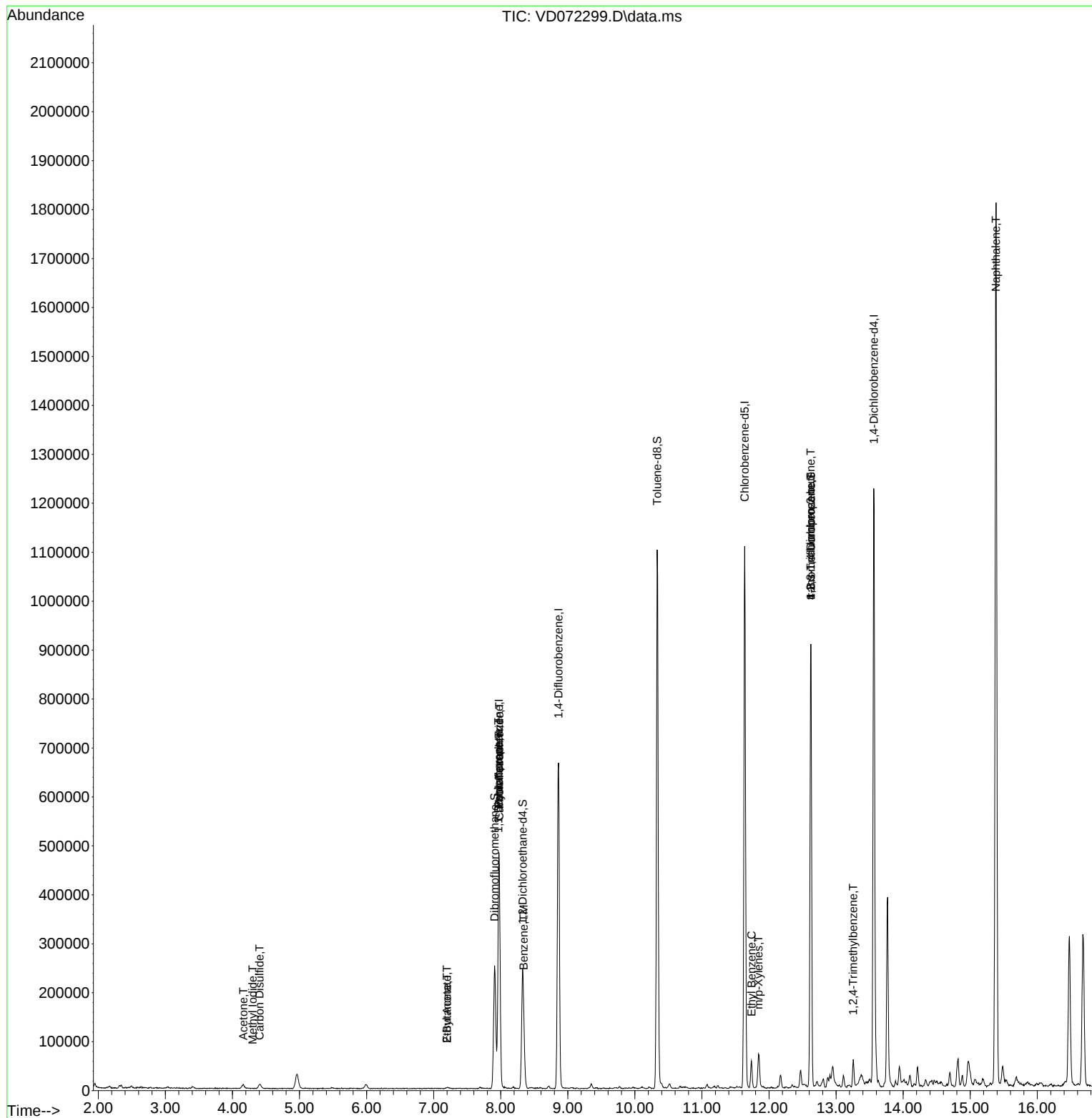
Internal Standards						
1) Pentafluorobenzene	7.973	168	347626	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	574354	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	628355	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	327190	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	170126	43.914	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	87.820%		
35) Dibromofluoromethane	7.908	113	177844	44.001	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	88.000%		
50) Toluene-d8	10.332	98	732745	49.581	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	99.160%		
62) 4-Bromofluorobenzene	12.626	95	308151	53.663	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	107.320%		
Target Compounds						Qvalue
10) Methyl Iodide	4.303	142	563	2.378	ug/l #	45
16) Acetone	4.162	43	14589	17.344	ug/l #	79
17) Carbon Disulfide	4.403	76	19568	4.048	ug/l	100
20) Methylene Chloride	4.956	84	22111	Below Cal	#	85
25) 2-Butanone	7.197	43	3708	3.306	ug/l #	87
31) Cyclohexane	7.973	56	8814	1.456	ug/l #	1
36) 1,1-Dichloropropene	7.967	75	29952	5.282	ug/l #	51
37) Ethyl Acetate	7.197	43	3708	1.493	ug/l #	72
38) Carbon Tetrachloride	7.979	117	36090	5.599	ug/l #	16
40) Benzene	8.344	78	56849	3.514	ug/l	93
67) Ethyl Benzene	11.738	91	35798	1.439	ug/l #	82
68) m/p-Xylenes	11.844	106	21336	2.258	ug/l	100
76) 1,2,3-Trichloropropane	12.620	75	163090	45.187	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	163090	112.114	ug/l #	7
84) 1,2,4-Trimethylbenzene	13.255	105	29988	1.366	ug/l	98
95) Naphthalene	15.385	128	1525646	125.364	ug/l	99

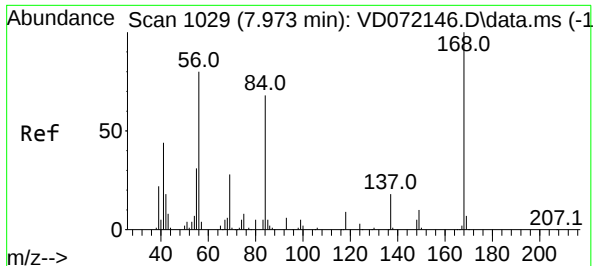
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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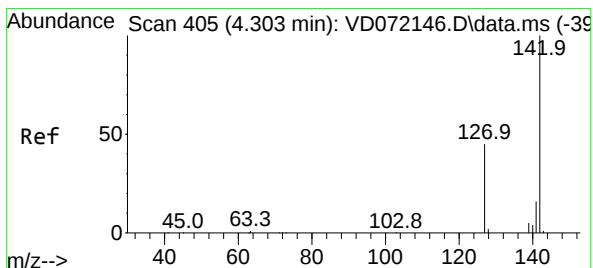
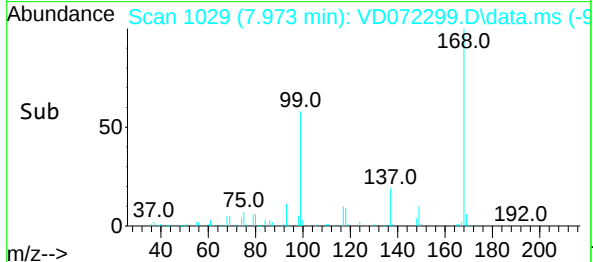
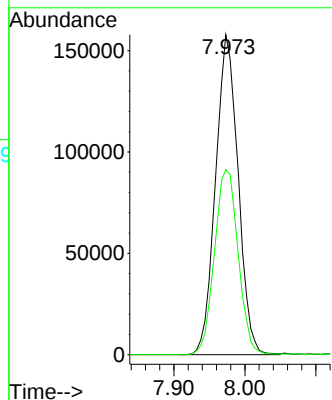
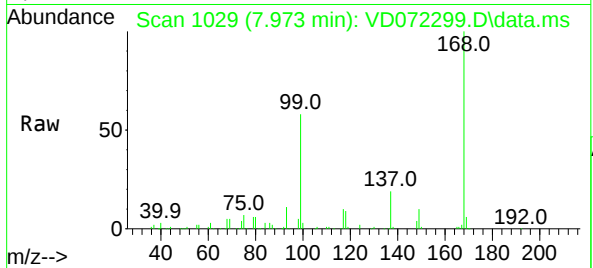




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD072299.D
Acq: 18 Mar 2022 19:37

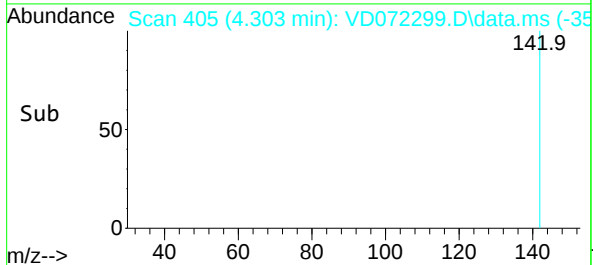
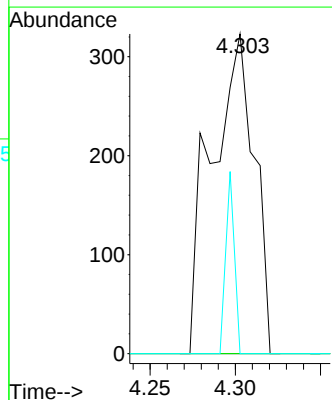
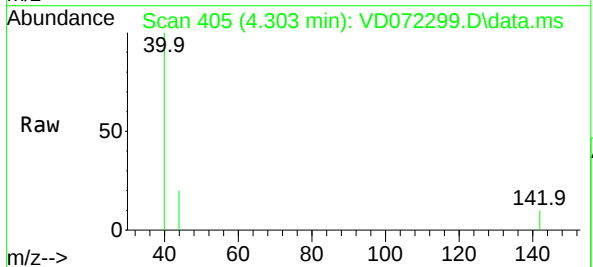
Instrument :
MSVOA_D
ClientSampleId :
C-18-17-18

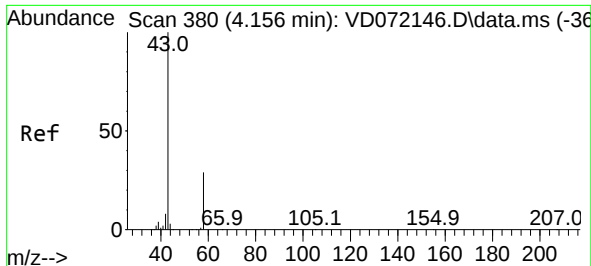
Tgt Ion:168 Resp: 347626
Ion Ratio Lower Upper
168 100
99 57.8 49.8 74.6



#10
Methyl Iodide
Concen: 2.378 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.000 min
Lab File: VD072299.D
Acq: 18 Mar 2022 19:37

Tgt Ion:142 Resp: 563
Ion Ratio Lower Upper
142 100
127 0.0 37.3 55.9#
141 11.5 11.7 17.5#

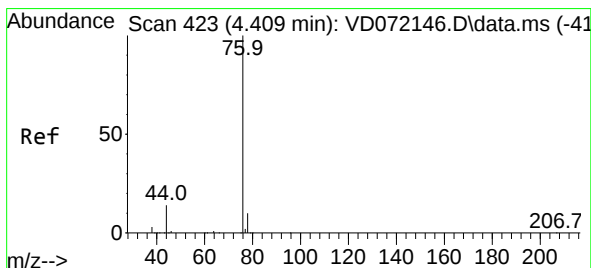
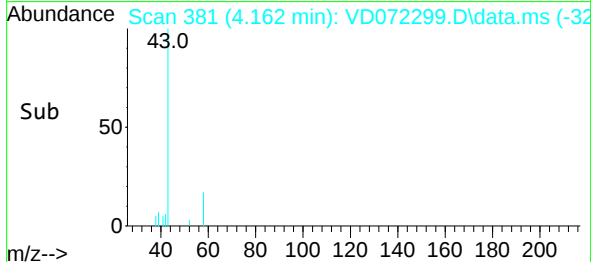
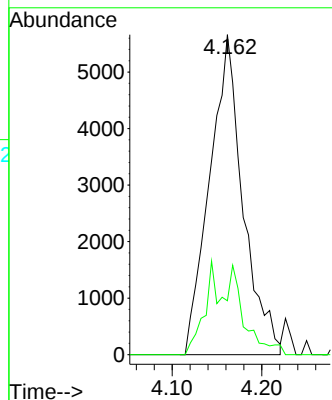
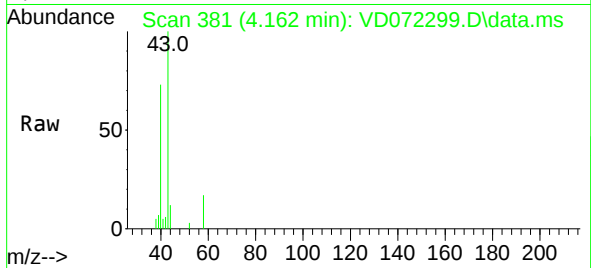




#16
Acetone
Concen: 17.344 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD072299.D
Acq: 18 Mar 2022 19:37

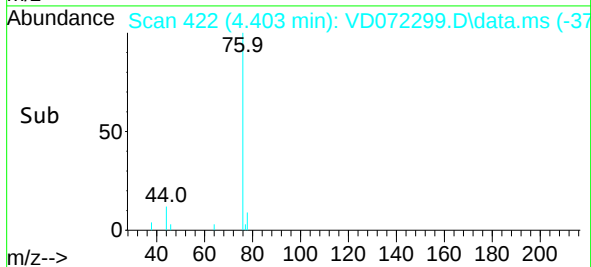
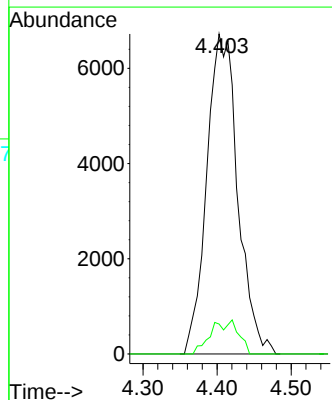
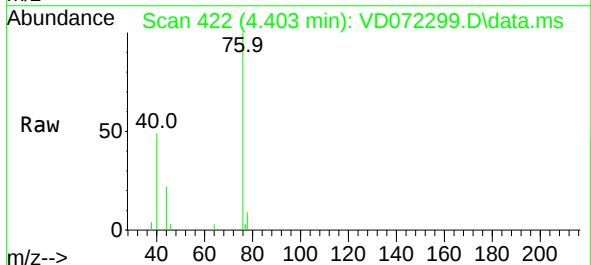
Instrument :
MSVOA_D
ClientSampleId :
C-18-17-18

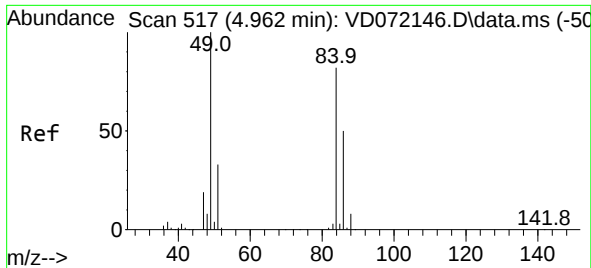
Tgt Ion: 43 Resp: 14589
Ion Ratio Lower Upper
43 100
58 16.9 22.1 33.1#



#17
Carbon Disulfide
Concen: 4.048 ug/l
RT: 4.403 min Scan# 422
Delta R.T. -0.006 min
Lab File: VD072299.D
Acq: 18 Mar 2022 19:37

Tgt Ion: 76 Resp: 19568
Ion Ratio Lower Upper
76 100
78 9.3 7.5 11.3

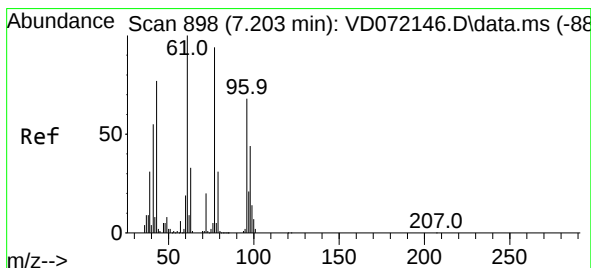
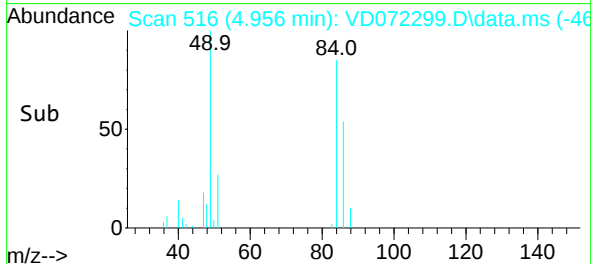
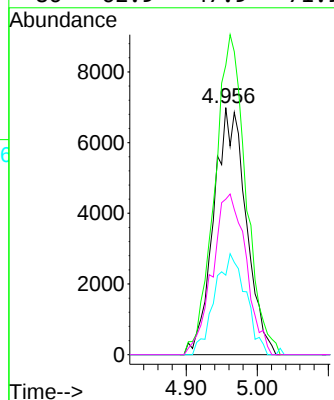
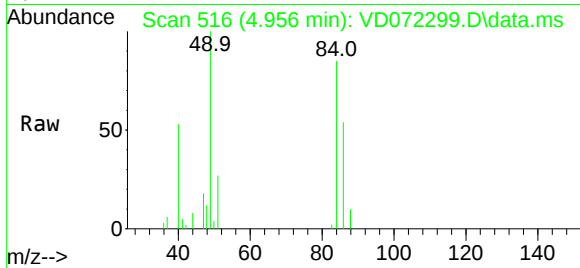




#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 517
Delta R.T. -0.006 min
Lab File: VD072299.D
Acq: 18 Mar 2022 19:37

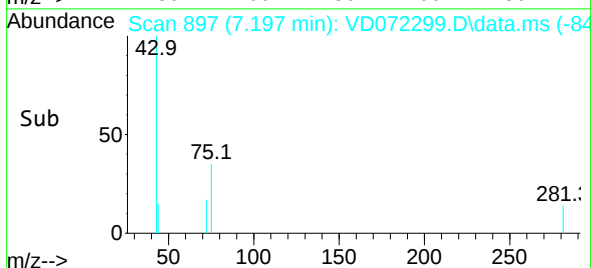
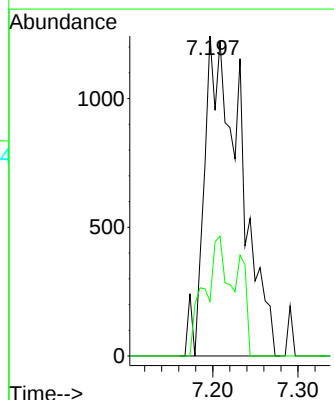
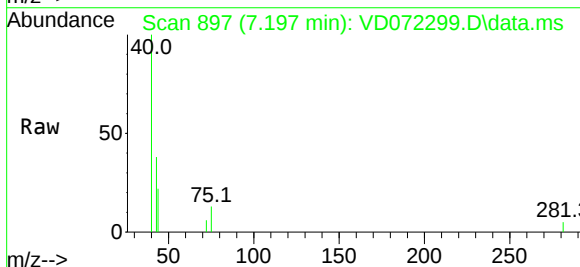
Instrument :
MSVOA_D
ClientSampleId :
C-18-17-18

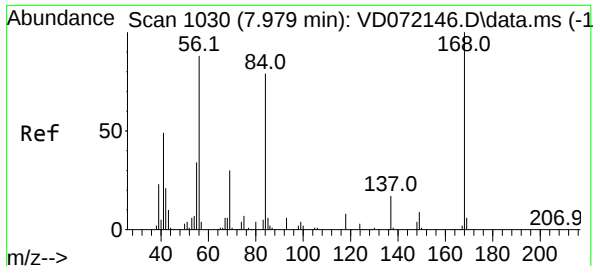
Tgt Ion:	84	Resp:	22111
Ion	Ratio	Lower	Upper
84	100		
49	117.1	112.8	169.2
51	32.2	32.6	48.8#
86	62.9	47.9	71.9



#25
2-Butanone
Concen: 3.306 ug/l
RT: 7.197 min Scan# 897
Delta R.T. -0.006 min
Lab File: VD072299.D
Acq: 18 Mar 2022 19:37

Tgt Ion:	43	Resp:	3708
Ion	Ratio	Lower	Upper
43	100		
72	17.1	18.6	27.8#

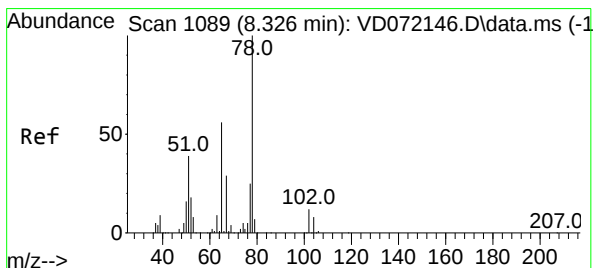
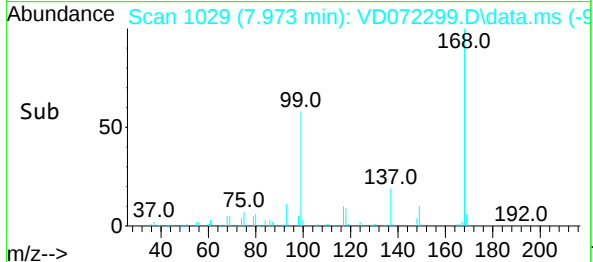
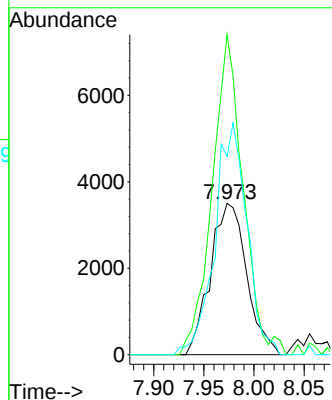
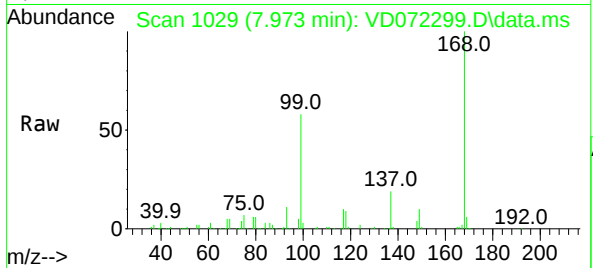




#31
Cyclohexane
Concen: 1.456 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD072299.D
Acq: 18 Mar 2022 19:37

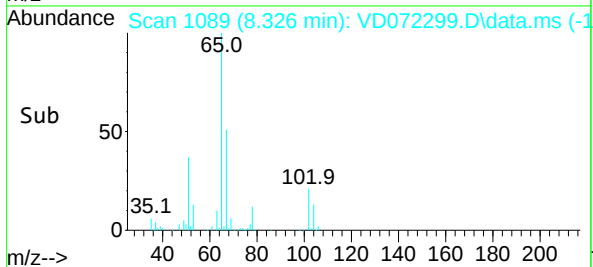
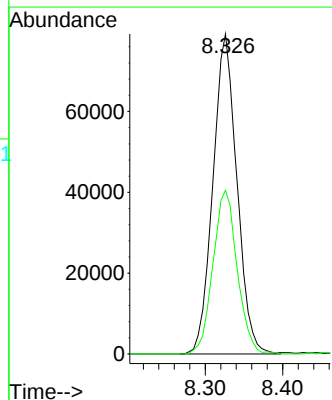
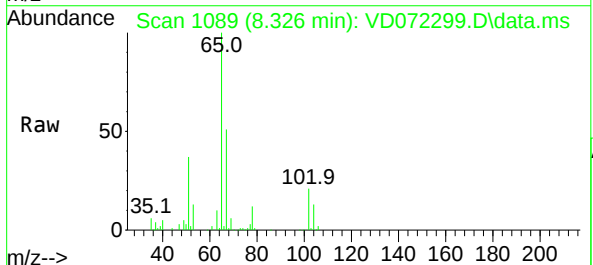
Instrument :
MSVOA_D
ClientSampleId :
C-18-17-18

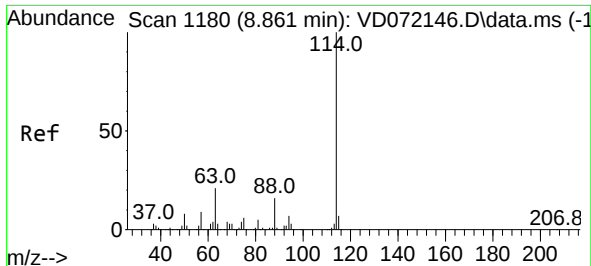
Tgt Ion: 56 Resp: 8814
Ion Ratio Lower Upper
56 100
69 211.4 25.4 38.2#
84 131.1 63.0 94.4#



#33
1,2-Dichloroethane-d4
Concen: 43.914 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD072299.D
Acq: 18 Mar 2022 19:37

Tgt Ion: 65 Resp: 170126
Ion Ratio Lower Upper
65 100
67 51.7 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: VD072299.D

Acq: 18 Mar 2022 19:37

Instrument :

MSVOA_D

ClientSampleId :

C-18-17-18

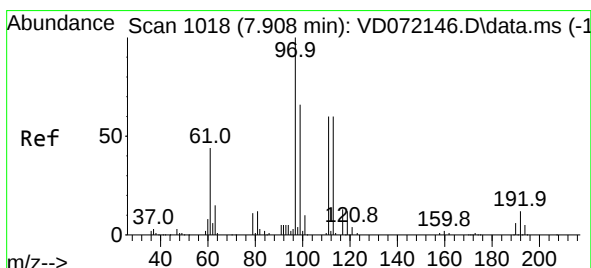
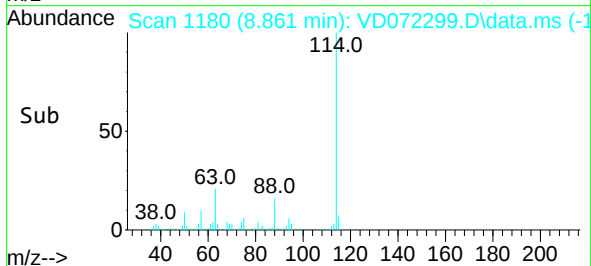
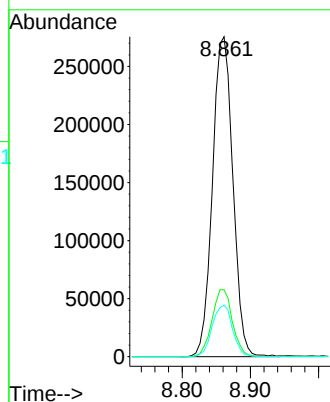
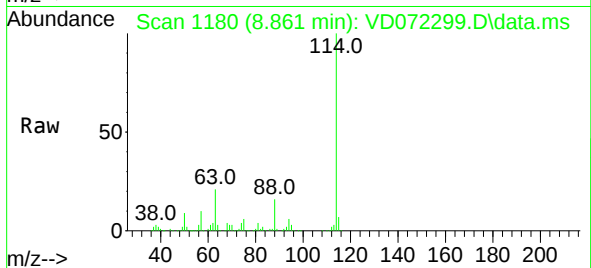
Tgt Ion:114 Resp: 574354

Ion Ratio Lower Upper

114 100

63 20.9 0.0 46.6

88 16.1 0.0 33.2



#35

Dibromofluoromethane

Concen: 44.001 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.000 min

Lab File: VD072299.D

Acq: 18 Mar 2022 19:37

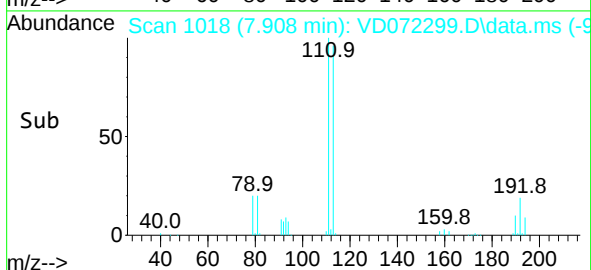
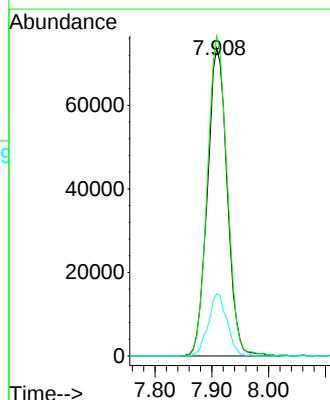
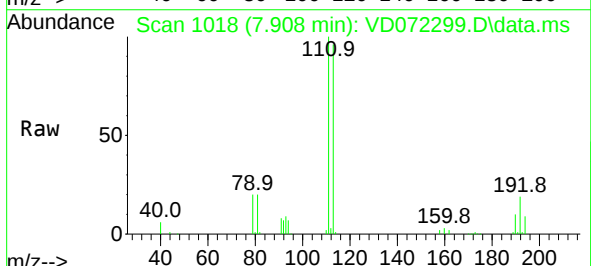
Tgt Ion:113 Resp: 177844

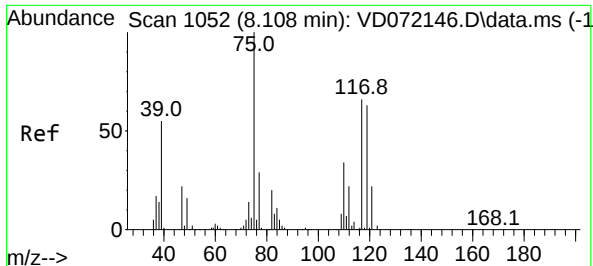
Ion Ratio Lower Upper

113 100

111 104.2 83.8 125.6

192 19.2 14.6 21.8





#36

1,1-Dichloropropene

Concen: 5.282 ug/l

RT: 7.967 min Scan# 1

Delta R.T. -0.141 min

Lab File: VD072299.D

Acq: 18 Mar 2022 19:37

Instrument :

MSVOA_D

ClientSampleId :

C-18-17-18

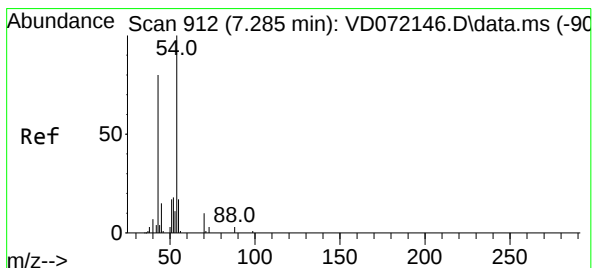
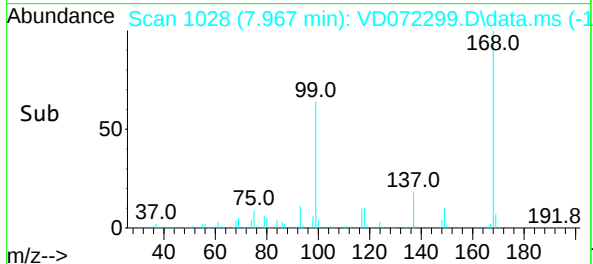
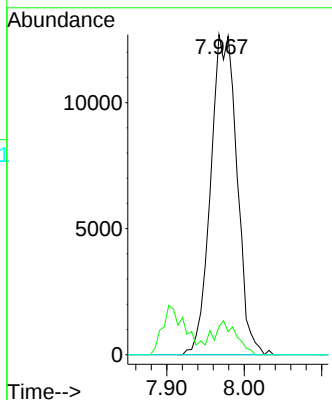
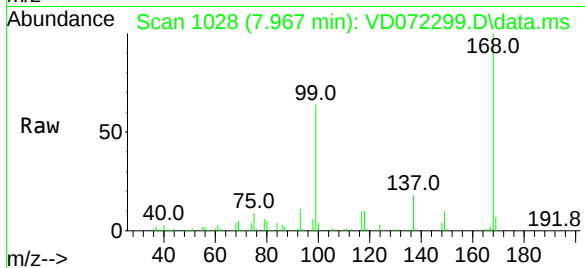
Tgt Ion: 75 Resp: 29952

Ion Ratio Lower Upper

75 100

110 9.0 16.4 49.1#

77 0.0 24.2 36.2#



#37

Ethyl Acetate

Concen: 1.493 ug/l

RT: 7.197 min Scan# 897

Delta R.T. -0.088 min

Lab File: VD072299.D

Acq: 18 Mar 2022 19:37

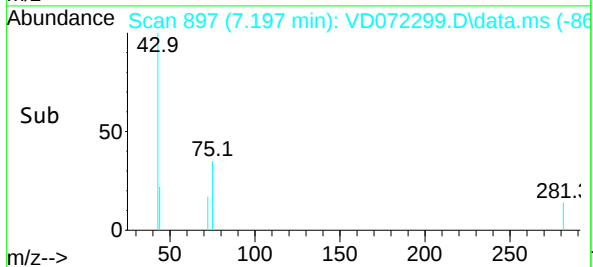
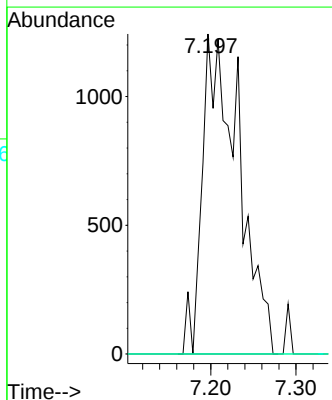
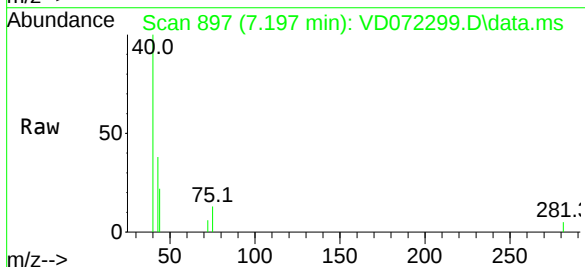
Tgt Ion: 43 Resp: 3708

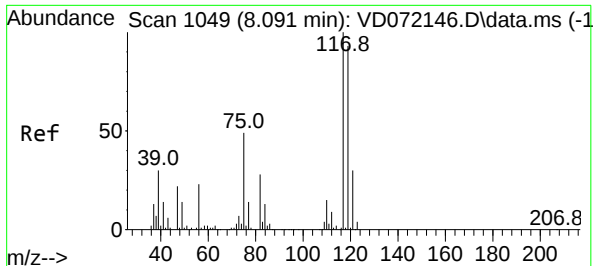
Ion Ratio Lower Upper

43 100

61 0.0 9.8 14.8#

70 0.0 6.9 10.3#

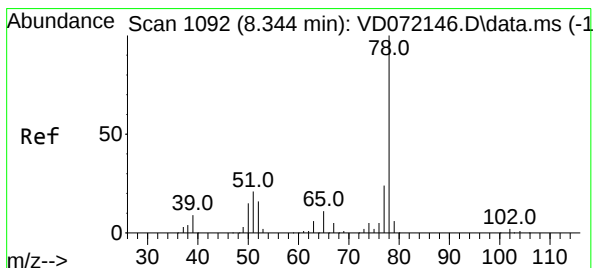
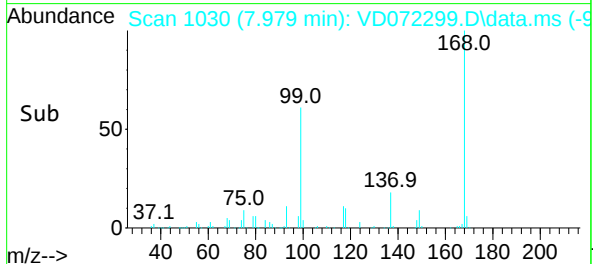
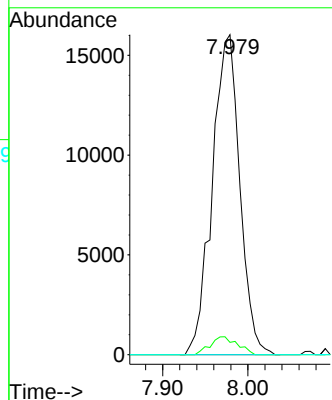
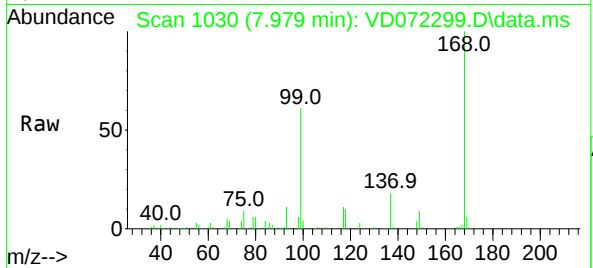




#38
Carbon Tetrachloride
Concen: 5.599 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.112 min
Lab File: VD072299.D
Acq: 18 Mar 2022 19:37

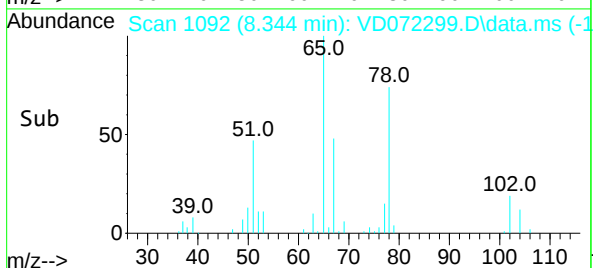
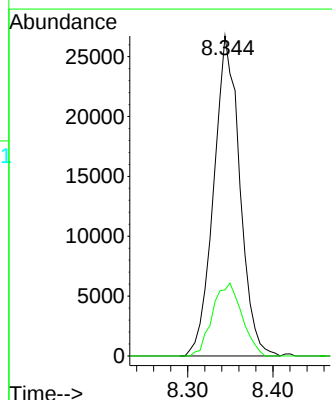
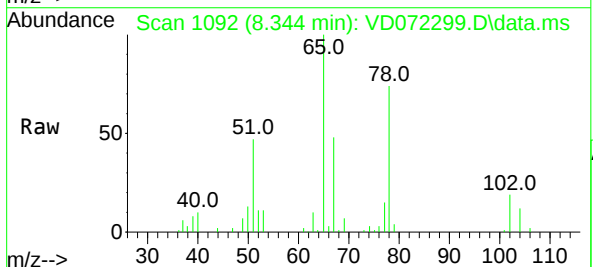
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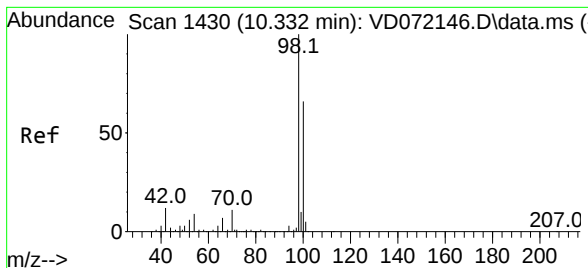
Tgt Ion:117 Resp: 36090
Ion Ratio Lower Upper
117 100
119 3.9 75.8 113.6#
121 0.0 24.5 36.7#



#40
Benzene
Concen: 3.514 ug/l
RT: 8.344 min Scan# 1092
Delta R.T. -0.000 min
Lab File: VD072299.D
Acq: 18 Mar 2022 19:37

Tgt Ion: 78 Resp: 56849
Ion Ratio Lower Upper
78 100
77 20.6 19.1 28.7

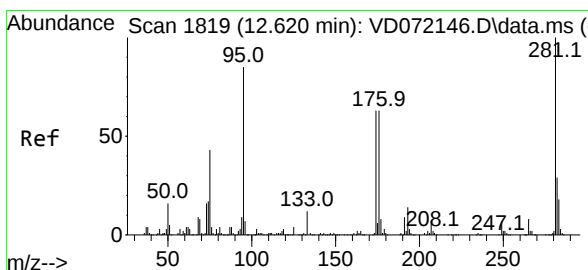
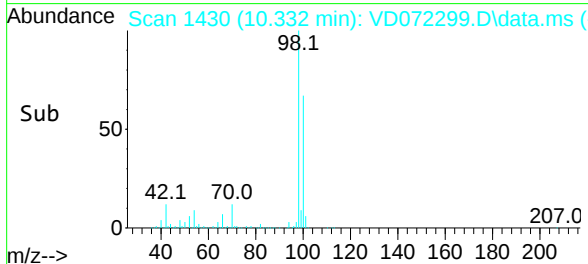
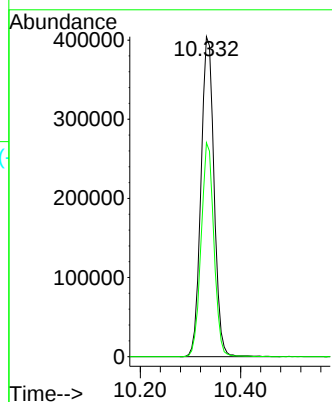
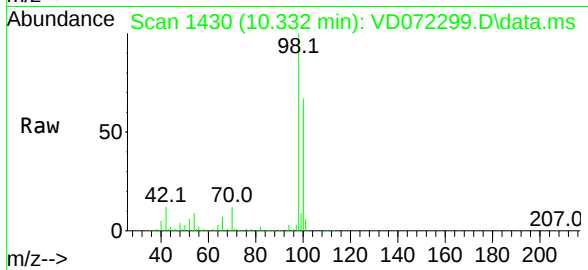




#50
Toluene-d8
Concen: 49.581 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD072299.D
Acq: 18 Mar 2022 19:37

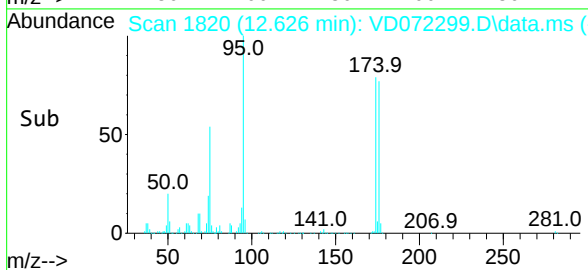
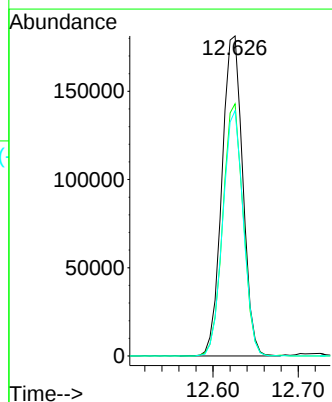
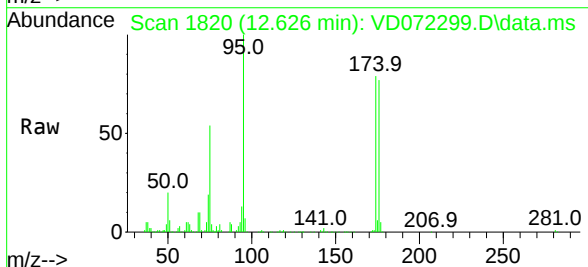
Instrument :
MSVOA_D
ClientSampleId :
C-18-17-18

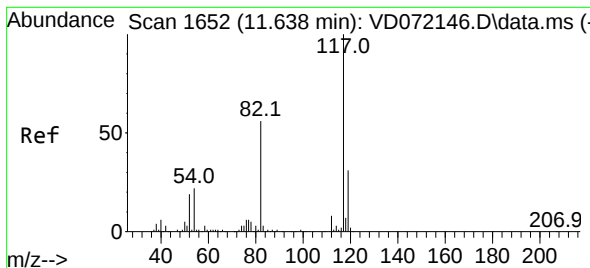
Tgt Ion: 98 Resp: 732745
Ion Ratio Lower Upper
98 100
100 65.5 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 53.663 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.006 min
Lab File: VD072299.D
Acq: 18 Mar 2022 19:37

Tgt Ion: 95 Resp: 308151
Ion Ratio Lower Upper
95 100
174 76.9 0.0 152.8
176 75.4 0.0 145.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.638 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD072299.D

Acq: 18 Mar 2022 19:37

Instrument :

MSVOA_D

ClientSampleId :

C-18-17-18

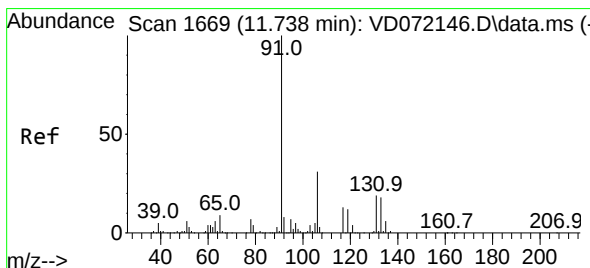
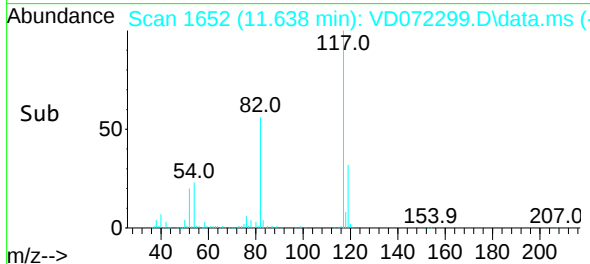
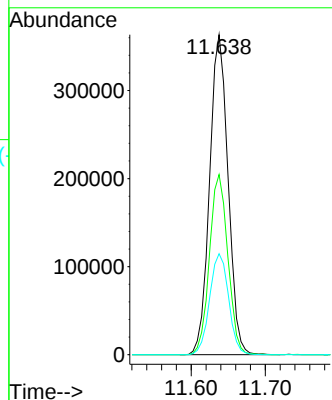
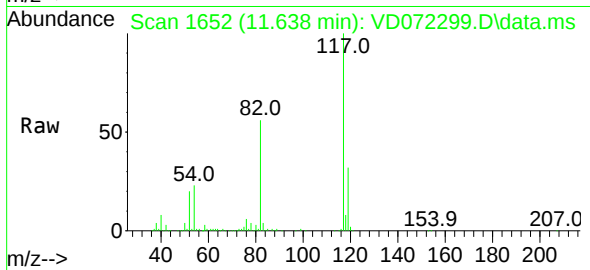
Tgt Ion:117 Resp: 628355

Ion Ratio Lower Upper

117 100

82 56.3 45.3 67.9

119 31.5 26.6 40.0



#67

Ethyl Benzene

Concen: 1.439 ug/l

RT: 11.738 min Scan# 1669

Delta R.T. 0.000 min

Lab File: VD072299.D

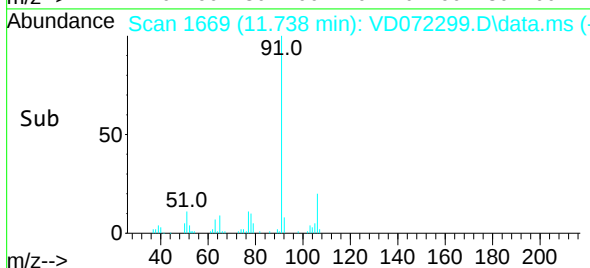
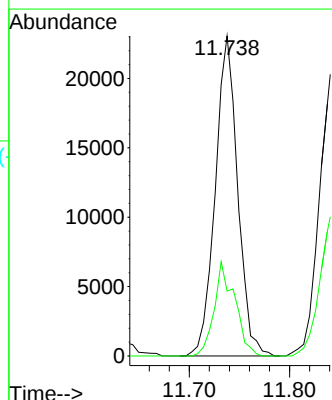
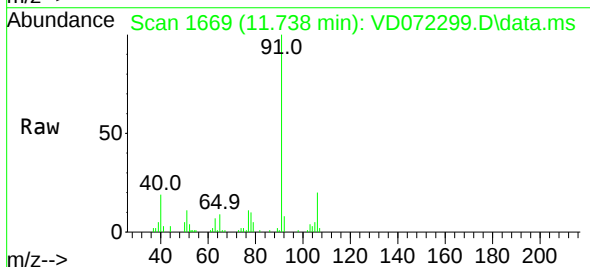
Acq: 18 Mar 2022 19:37

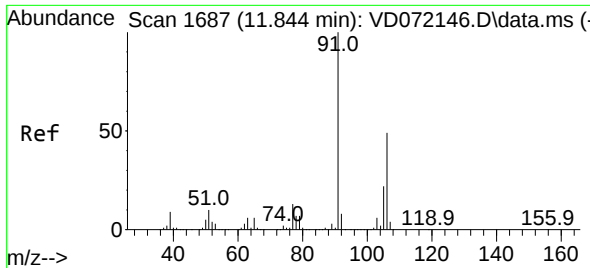
Tgt Ion: 91 Resp: 35798

Ion Ratio Lower Upper

91 100

106 20.3 24.2 36.4#

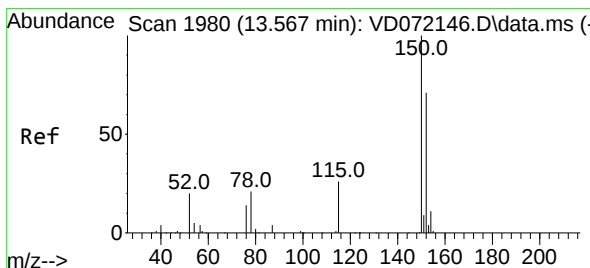
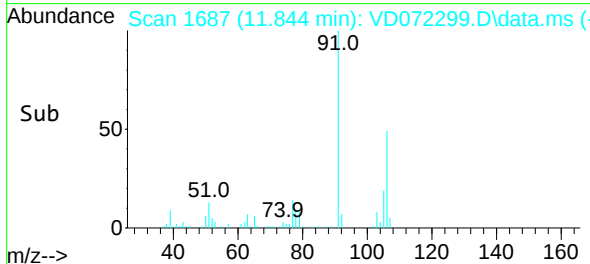
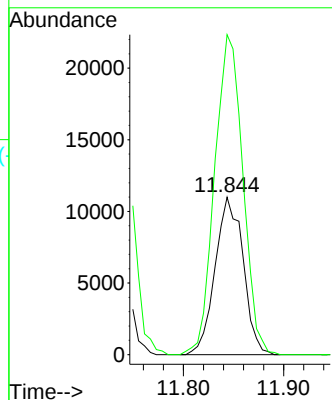
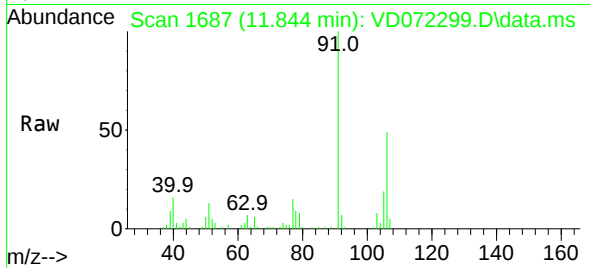




#68
m/p-Xylenes
Concen: 2.258 ug/l
RT: 11.844 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD072299.D
Acq: 18 Mar 2022 19:37

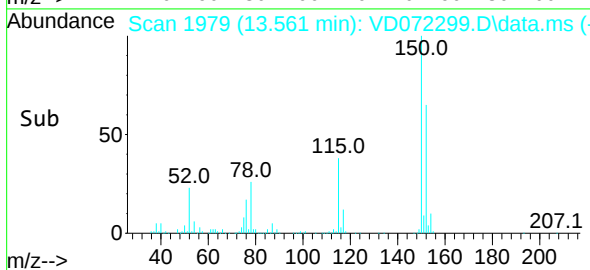
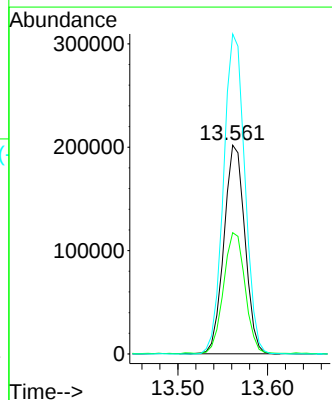
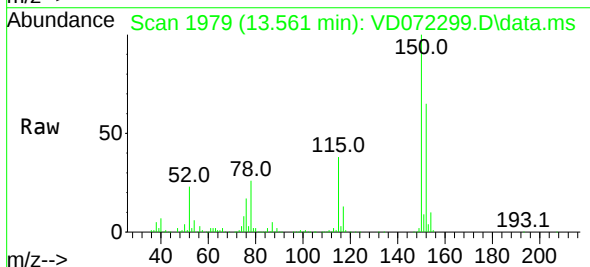
Instrument :
MSVOA_D
ClientSampleId :
C-18-17-18

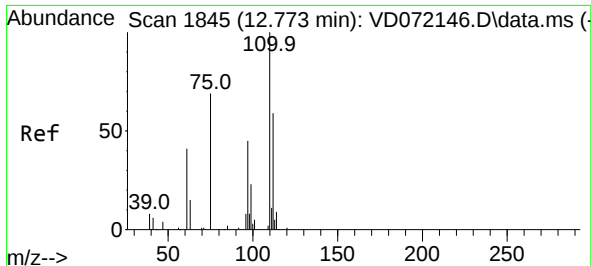
Tgt Ion:106 Resp: 21336
Ion Ratio Lower Upper
106 100
91 204.9 163.7 245.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD072299.D
Acq: 18 Mar 2022 19:37

Tgt Ion:152 Resp: 327190
Ion Ratio Lower Upper
152 100
115 59.6 31.3 93.8
150 156.1 0.0 348.6

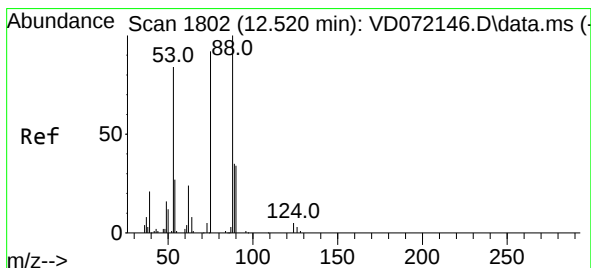
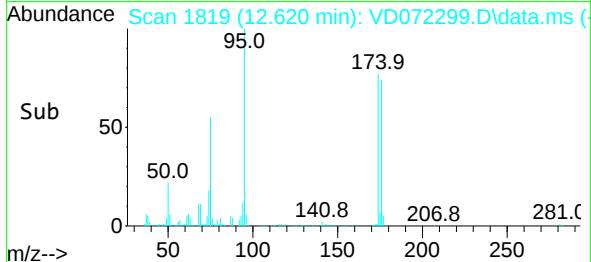
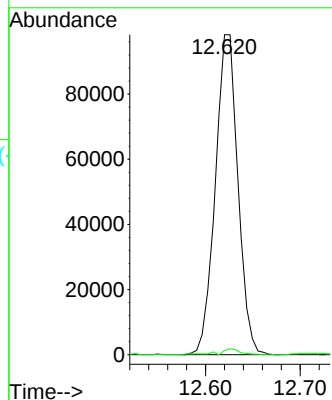
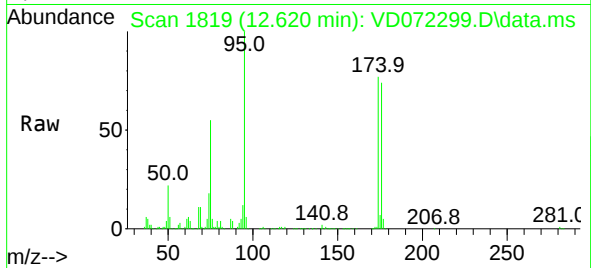




#76
1,2,3-Trichloropropane
Concen: 45.187 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD072299.D
Acq: 18 Mar 2022 19:37

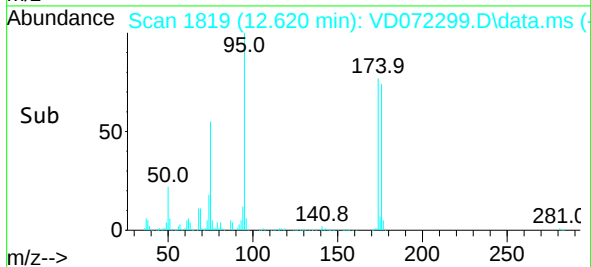
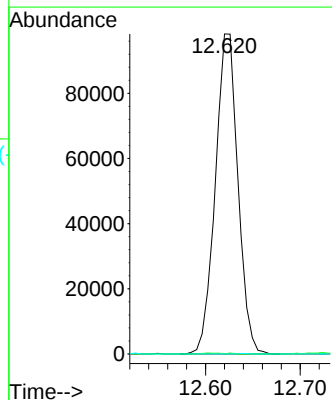
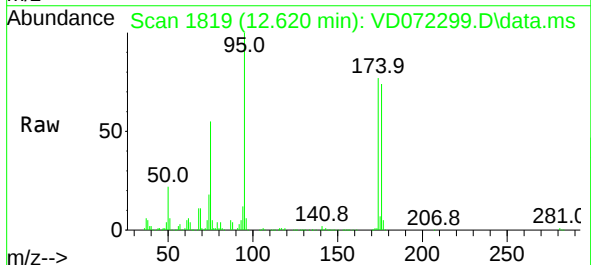
Instrument :
MSVOA_D
ClientSampleId :
C-18-17-18

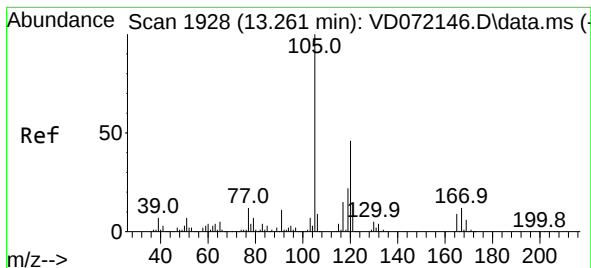
Tgt Ion: 75 Resp: 163090
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 112.114 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD072299.D
Acq: 18 Mar 2022 19:37

Tgt Ion: 75 Resp: 163090
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.1 33.9 50.9#





#84

1,2,4-Trimethylbenzene

Concen: 1.366 ug/l

RT: 13.255 min Scan# 1928

Delta R.T. -0.006 min

Lab File: VD072299.D

Acq: 18 Mar 2022 19:37

Instrument :

MSVOA_D

ClientSampleId :

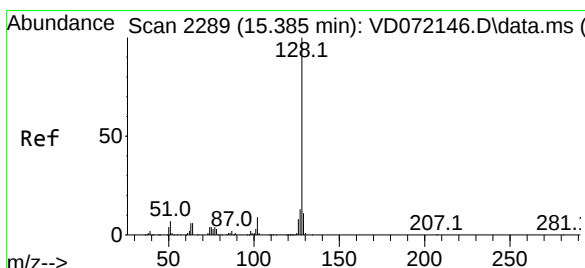
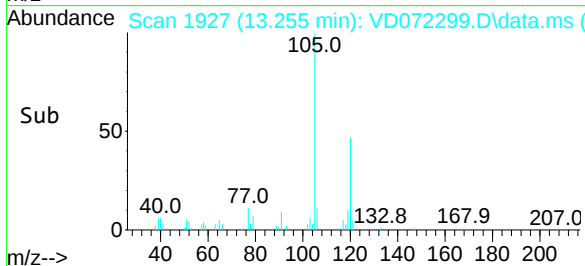
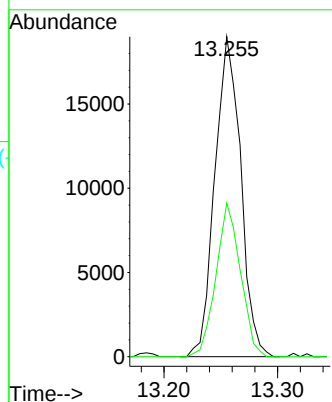
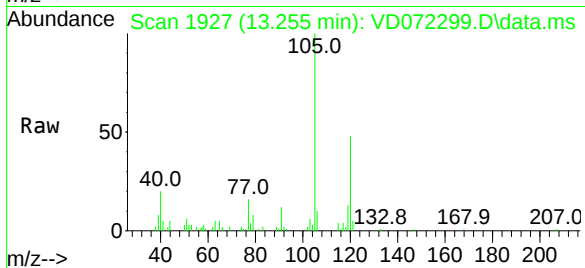
C-18-17-18

Tgt Ion:105 Resp: 29988

Ion Ratio Lower Upper

105 100

120 45.5 22.3 66.8



#95

Naphthalene

Concen: 125.364 ug/l

RT: 15.385 min Scan# 2289

Delta R.T. 0.000 min

Lab File: VD072299.D

Acq: 18 Mar 2022 19:37

Tgt Ion:128 Resp: 1525646

Ion Ratio Lower Upper

128 100

127 13.0 10.3 15.5

129 11.1 8.4 12.6

