

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032222\
 Data File : VD072360.D
 Acq On : 22 Mar 2022 13:14
 Operator : VA/SY
 Sample : N1972-02
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 G-4-7-17-18

Quant Time: Mar 23 01:12:04 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)

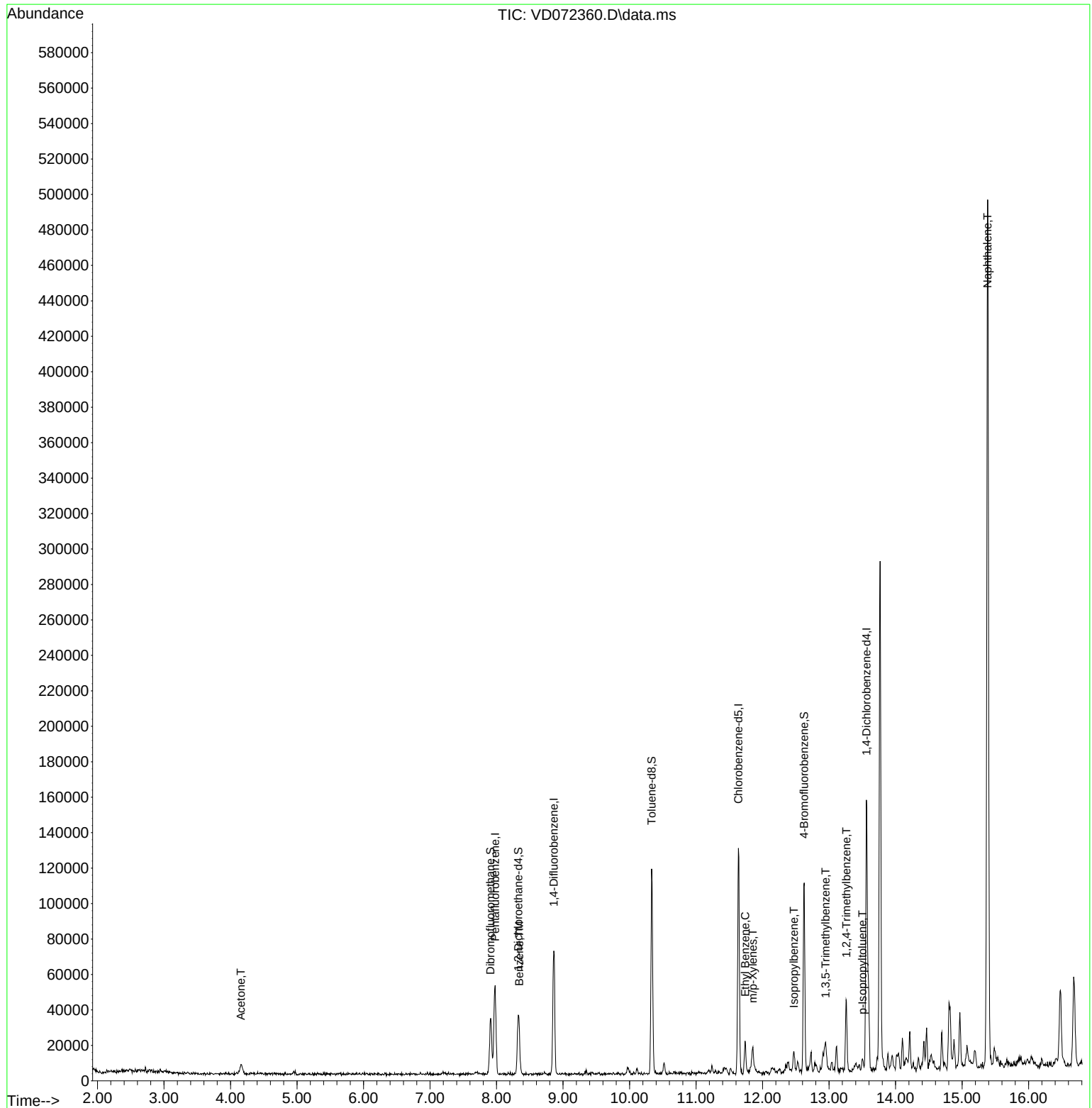
Internal Standards						
1) Pentafluorobenzene	7.979	168	37362	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	59259	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	73004	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	40927	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	26717	64.165	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 128.340%	
35) Dibromofluoromethane	7.908	113	22077	52.941	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.880%	
50) Toluene-d8	10.332	98	75409	49.455	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 98.900%	
62) 4-Bromofluorobenzene	12.626	95	36246	61.178	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 122.360%	
Target Compounds						
16) Acetone	4.155	43	9917	109.696	ug/l	Qvalue 96
40) Benzene	8.343	78	3980	2.385	ug/l #	88
67) Ethyl Benzene	11.737	91	11517	3.984	ug/l	95
68) m/p-Xylenes	11.855	106	2825	2.574	ug/l	87
73) Isopropylbenzene	12.473	105	7397	2.281	ug/l	92
80) 1,3,5-Trimethylbenzene	12.949	105	4249	1.525	ug/l	93
84) 1,2,4-Trimethylbenzene	13.261	105	21498	7.831	ug/l	98
86) p-Isopropyltoluene	13.502	119	4161	1.378	ug/l #	88
95) Naphthalene	15.384	128	427013	280.512	ug/l	99

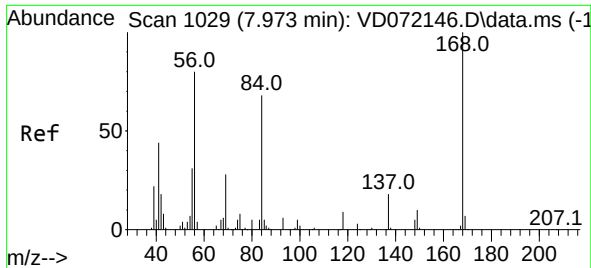
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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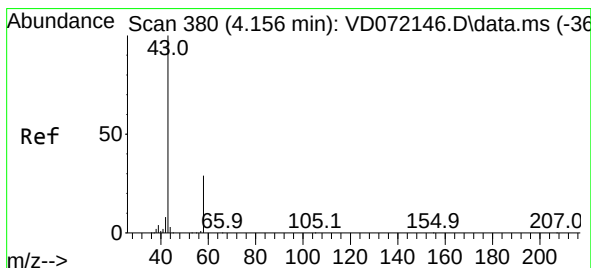
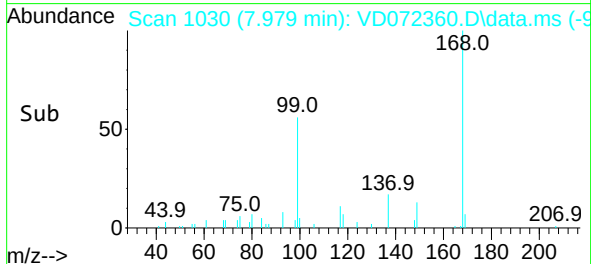
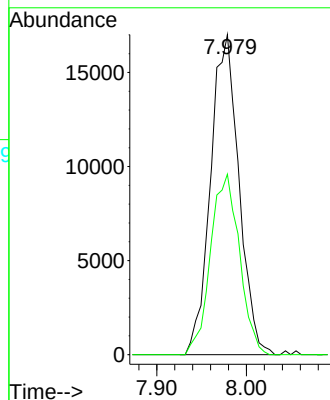
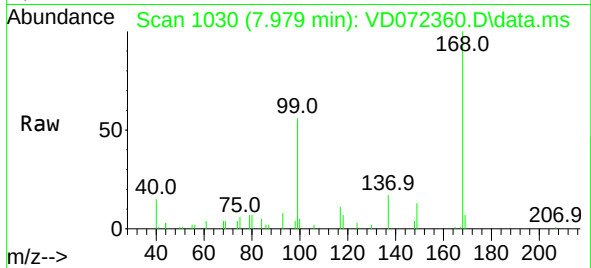




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1029
Delta R.T. 0.006 min
Lab File: VD072360.D
Acq: 22 Mar 2022 13:14

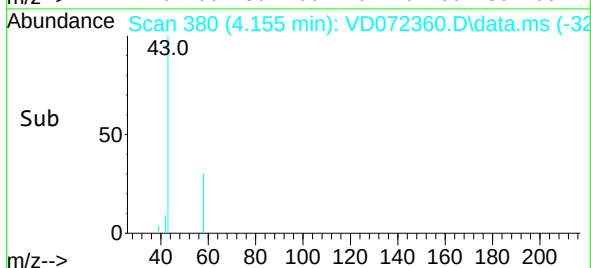
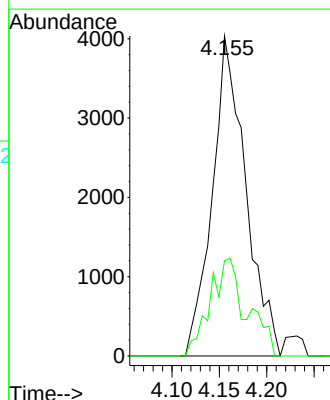
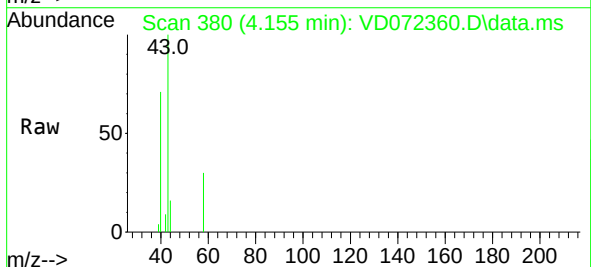
Instrument :
MSVOA_D
ClientSampleId :
G-4-7-17-18

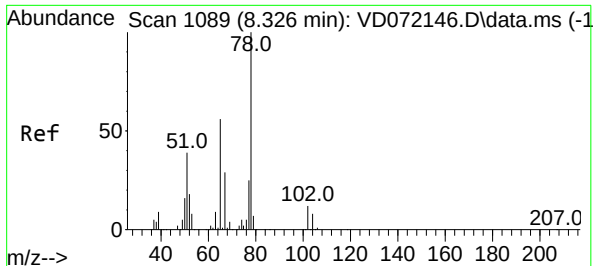
Tgt Ion:168 Resp: 37362
Ion Ratio Lower Upper
168 100
99 56.4 49.8 74.6



#16
Acetone
Concen: 109.696 ug/l
RT: 4.155 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD072360.D
Acq: 22 Mar 2022 13:14

Tgt Ion: 43 Resp: 9917
Ion Ratio Lower Upper
43 100
58 29.7 22.1 33.1





#33

1,2-Dichloroethane-d4

Concen: 64.165 ug/l

RT: 8.326 min Scan# 1108

Delta R.T. -0.000 min

Lab File: VD072360.D

Acq: 22 Mar 2022 13:14

Instrument :

MSVOA_D

ClientSampleId :

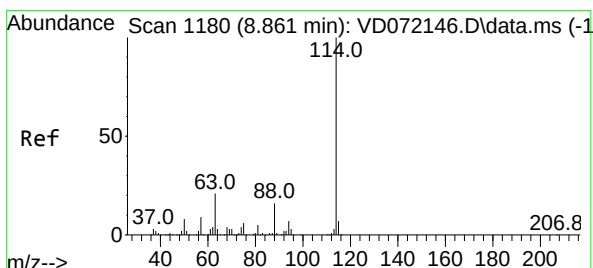
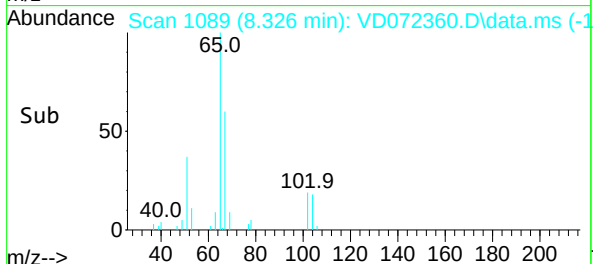
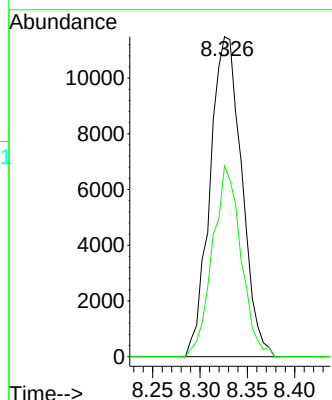
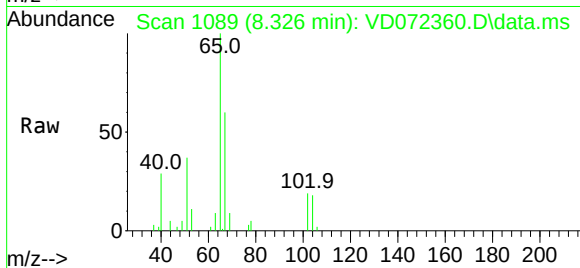
G-4-7-17-18

Tgt Ion: 65 Resp: 26717

Ion Ratio Lower Upper

65 100

67 53.8 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: VD072360.D

Acq: 22 Mar 2022 13:14

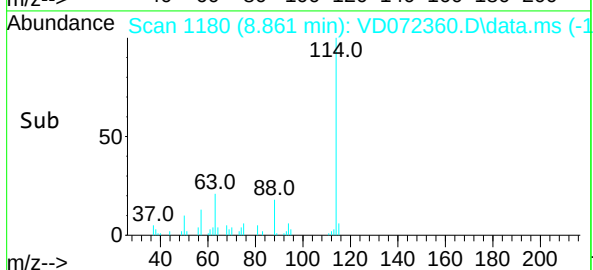
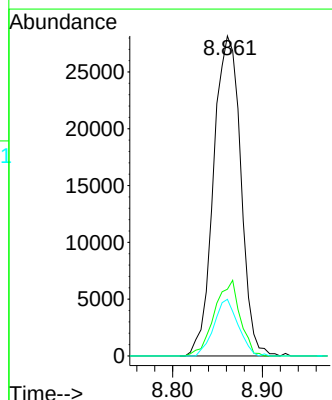
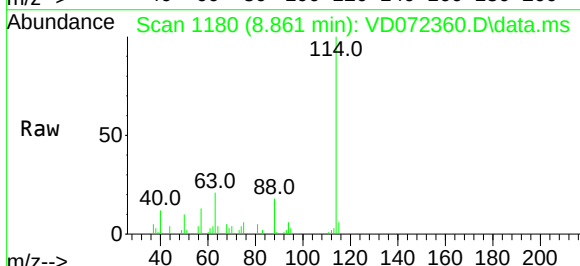
Tgt Ion: 114 Resp: 59259

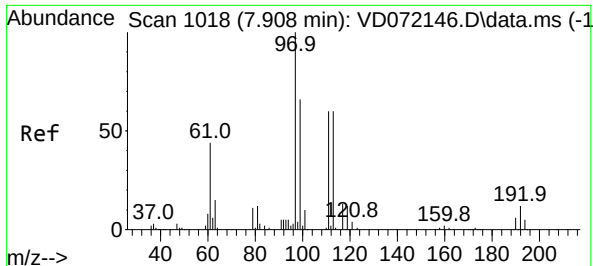
Ion Ratio Lower Upper

114 100

63 20.8 0.0 46.6

88 17.7 0.0 33.2





#35

Dibromofluoromethane

Concen: 52.941 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.000 min

Lab File: VD072360.D

Acq: 22 Mar 2022 13:14

Instrument :

MSVOA_D

ClientSampleId :

G-4-7-17-18

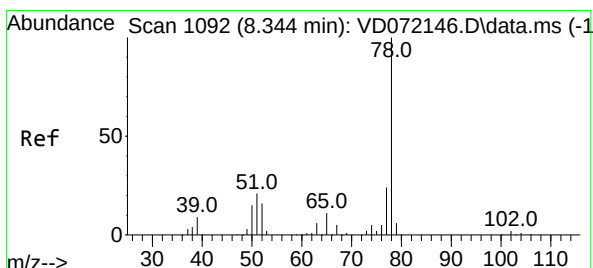
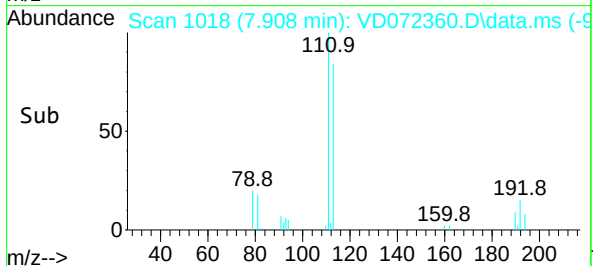
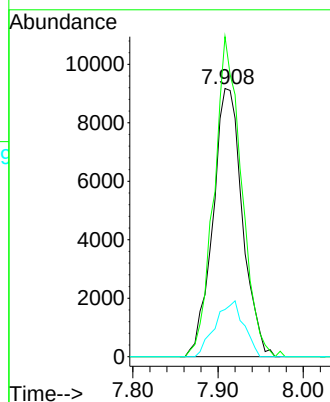
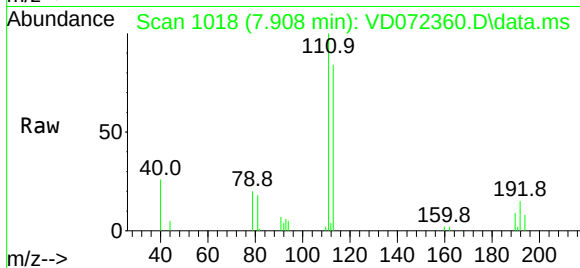
Tgt Ion:113 Resp: 22077

Ion Ratio Lower Upper

113 100

111 111.0 83.8 125.6

192 20.1 14.6 21.8



#40

Benzene

Concen: 2.385 ug/l

RT: 8.343 min Scan# 1092

Delta R.T. -0.000 min

Lab File: VD072360.D

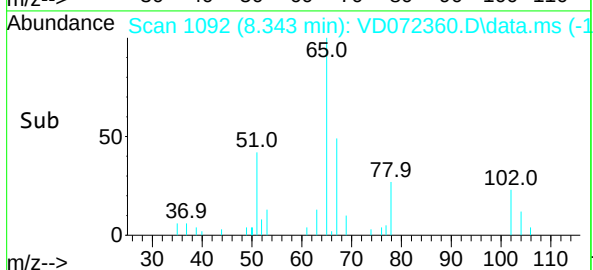
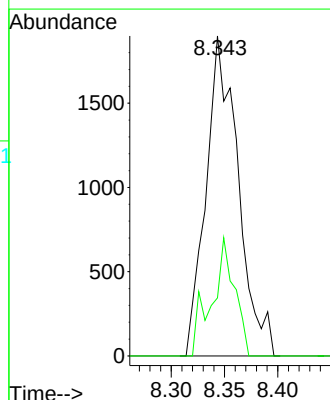
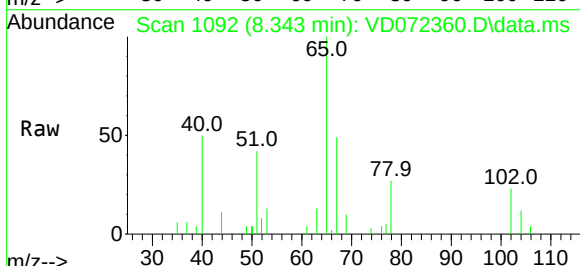
Acq: 22 Mar 2022 13:14

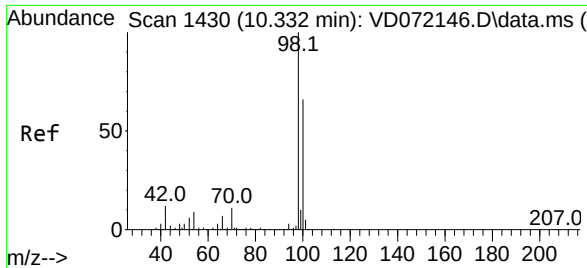
Tgt Ion: 78 Resp: 3980

Ion Ratio Lower Upper

78 100

77 18.2 19.1 28.7#

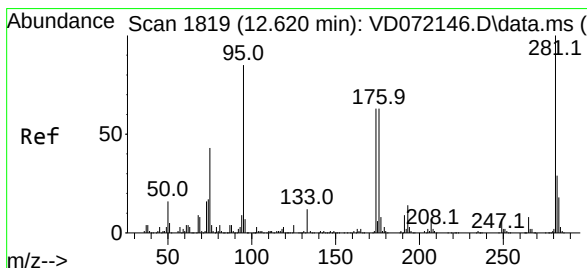
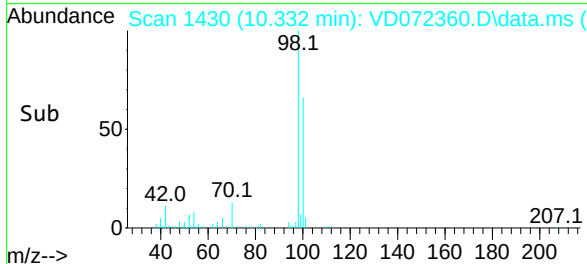
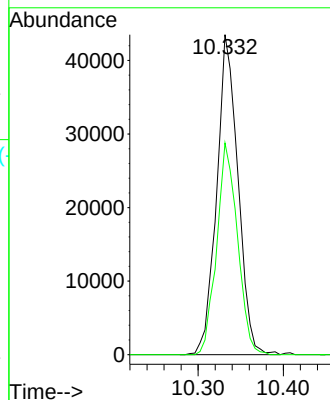
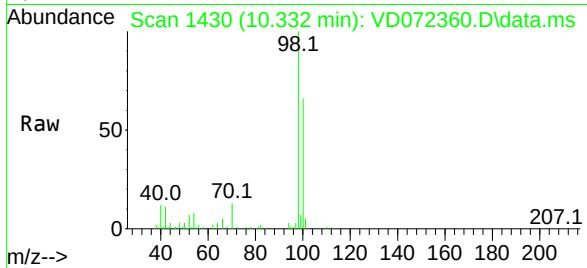




#50
Toluene-d8
Concen: 49.455 ug/l
RT: 10.332 min Scan# 14
Delta R.T. -0.000 min
Lab File: VD072360.D
Acq: 22 Mar 2022 13:14

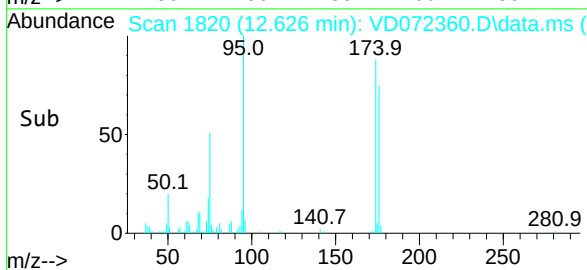
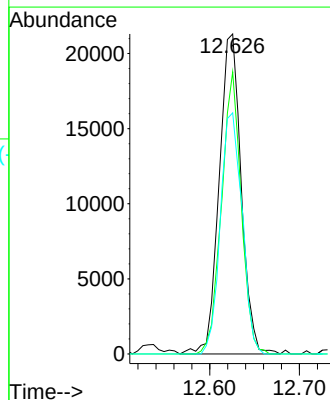
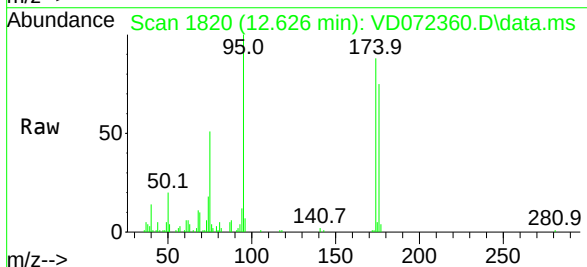
Instrument :
MSVOA_D
ClientSampleId :
G-4-7-17-18

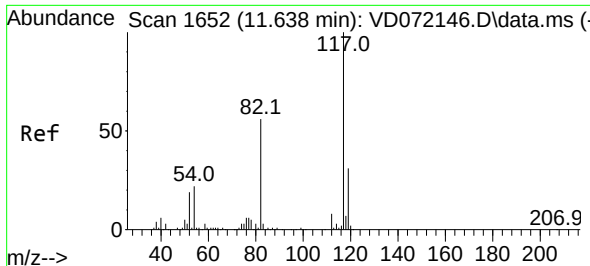
Tgt Ion: 98 Resp: 75409
Ion Ratio Lower Upper
98 100
100 64.6 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 61.178 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.006 min
Lab File: VD072360.D
Acq: 22 Mar 2022 13:14

Tgt Ion: 95 Resp: 36246
Ion Ratio Lower Upper
95 100
174 78.8 0.0 152.8
176 74.4 0.0 145.4

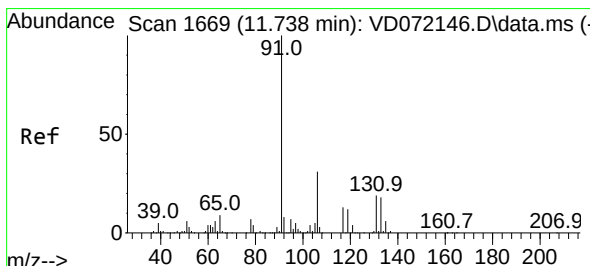
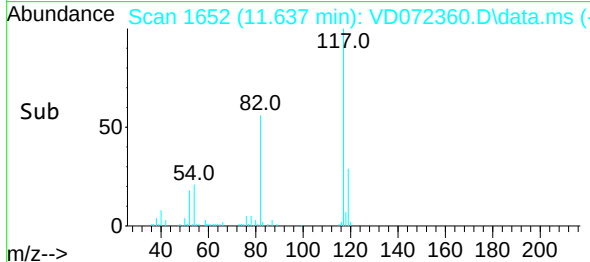
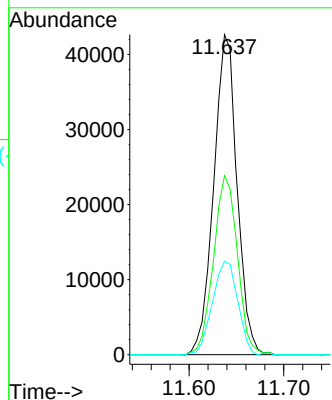
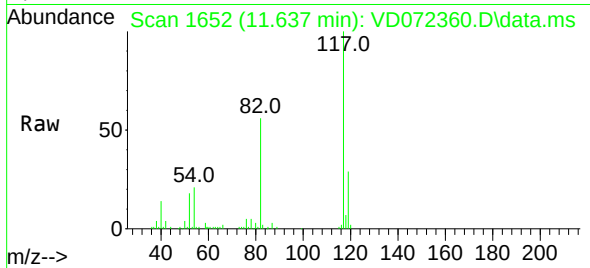




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD072360.D
Acq: 22 Mar 2022 13:14

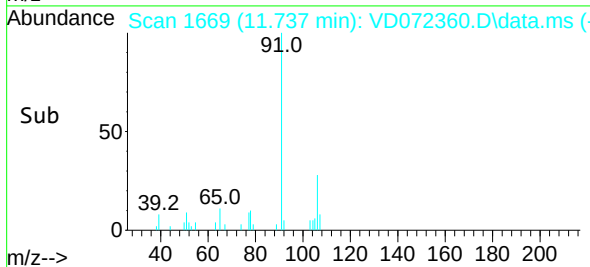
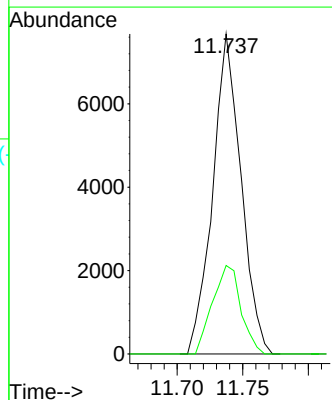
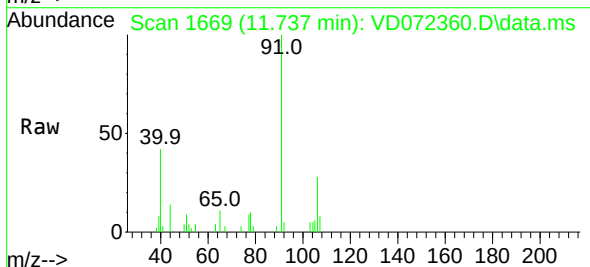
Instrument :
MSVOA_D
ClientSampleId :
G-4-7-17-18

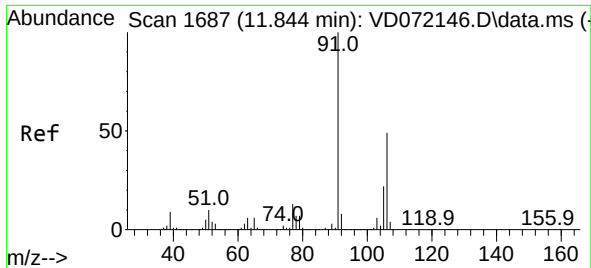
Tgt Ion:	117	Resp:	73004
Ion	Ratio	Lower	Upper
117	100		
82	55.9	45.3	67.9
119	29.2	26.6	40.0



#67
Ethyl Benzene
Concen: 3.984 ug/l
RT: 11.737 min Scan# 1669
Delta R.T. -0.000 min
Lab File: VD072360.D
Acq: 22 Mar 2022 13:14

Tgt Ion:	91	Resp:	11517
Ion	Ratio	Lower	Upper
91	100		
106	27.6	24.2	36.4

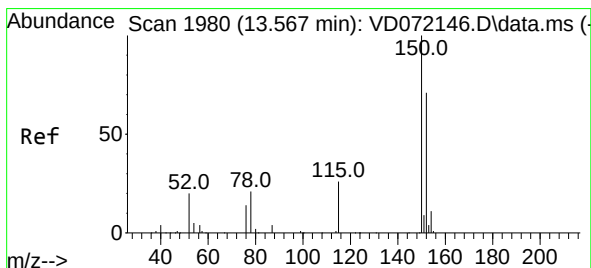
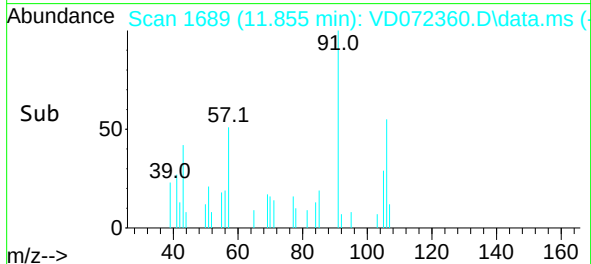
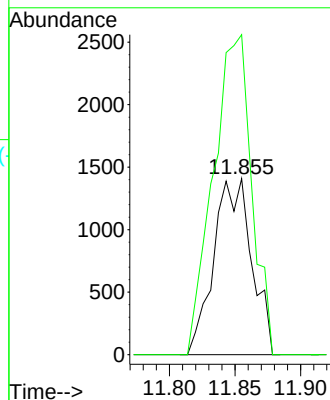
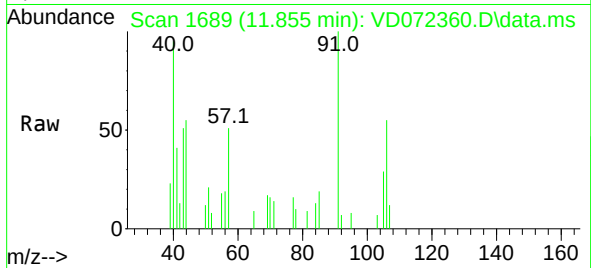




#68
m/p-Xylenes
Concen: 2.574 ug/l
RT: 11.855 min Scan# 11
Delta R.T. 0.011 min
Lab File: VD072360.D
Acq: 22 Mar 2022 13:14

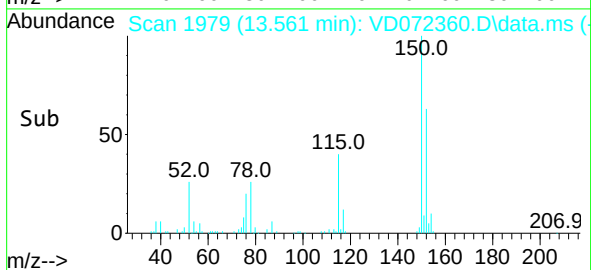
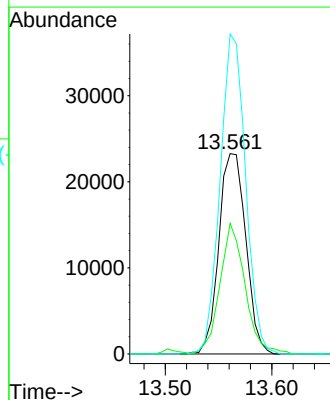
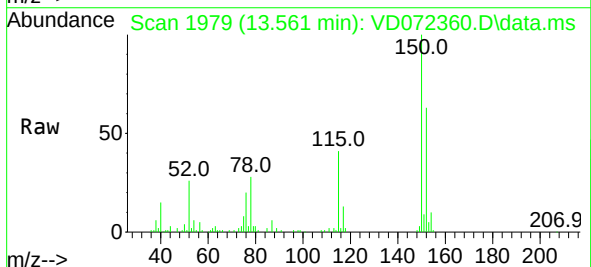
Instrument :
MSVOA_D
ClientSampleId :
G-4-7-17-18

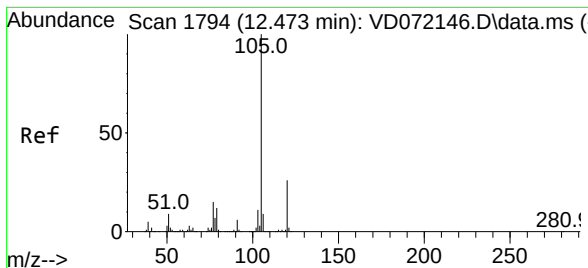
Tgt Ion:106 Resp: 2825
Ion Ratio Lower Upper
106 100
91 184.8 163.7 245.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD072360.D
Acq: 22 Mar 2022 13:14

Tgt Ion:152 Resp: 40927
Ion Ratio Lower Upper
152 100
115 60.9 31.3 93.8
150 150.9 0.0 348.6





#73

Isopropylbenzene

Concen: 2.281 ug/l

RT: 12.473 min Scan# 1794

Delta R.T. -0.000 min

Lab File: VD072360.D

Acq: 22 Mar 2022 13:14

Instrument :

MSVOA_D

ClientSampleId :

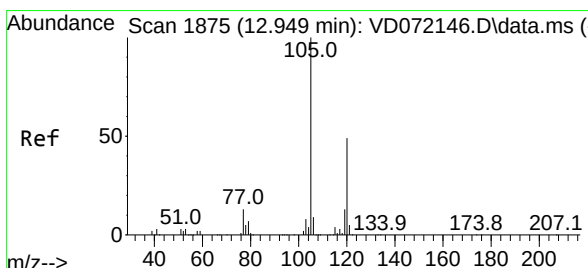
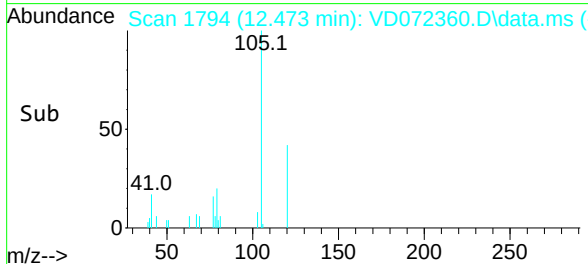
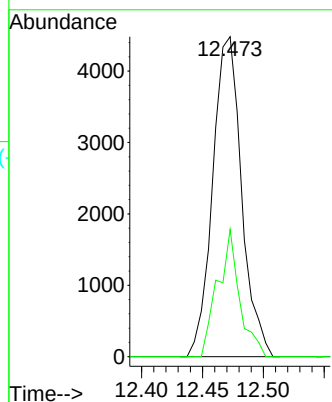
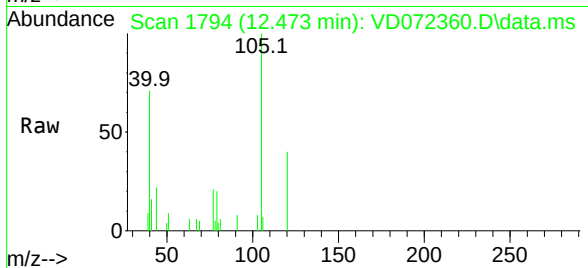
G-4-7-17-18

Tgt Ion:105 Resp: 7397

Ion Ratio Lower Upper

105 100

120 30.1 13.0 38.9



#80

1,3,5-Trimethylbenzene

Concen: 1.525 ug/l

RT: 12.949 min Scan# 1875

Delta R.T. -0.000 min

Lab File: VD072360.D

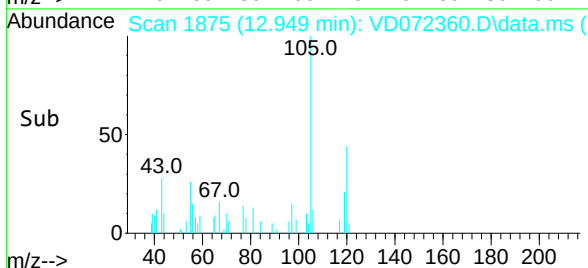
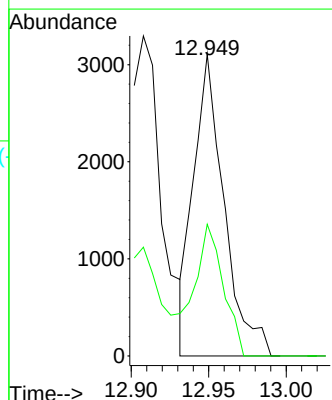
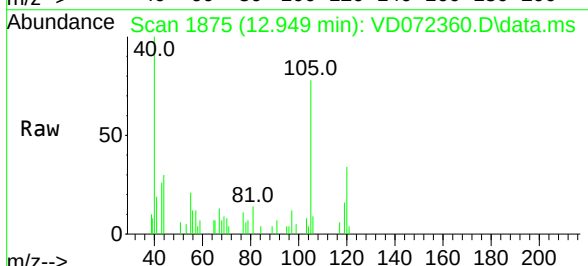
Acq: 22 Mar 2022 13:14

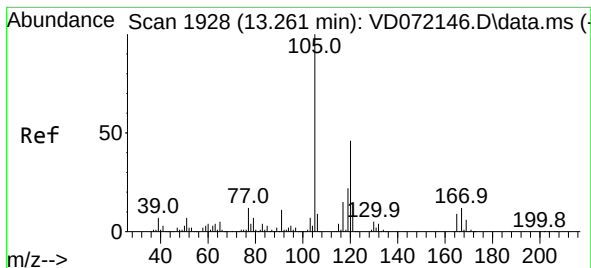
Tgt Ion:105 Resp: 4249

Ion Ratio Lower Upper

105 100

120 43.5 24.3 72.8





#84

1,2,4-Trimethylbenzene

Concen: 7.831 ug/l

RT: 13.261 min Scan# 1928

Delta R.T. -0.000 min

Lab File: VD072360.D

Acq: 22 Mar 2022 13:14

Instrument :

MSVOA_D

ClientSampleId :

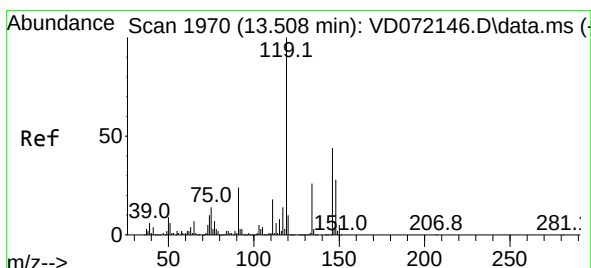
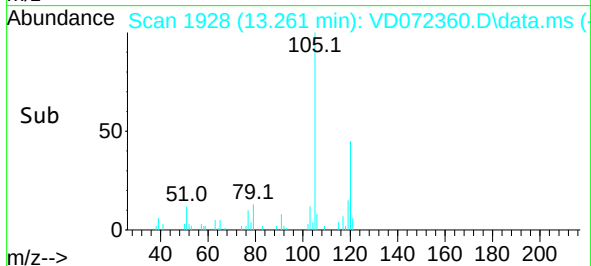
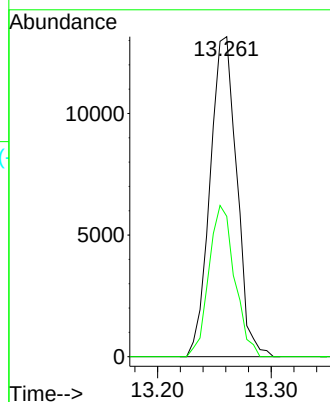
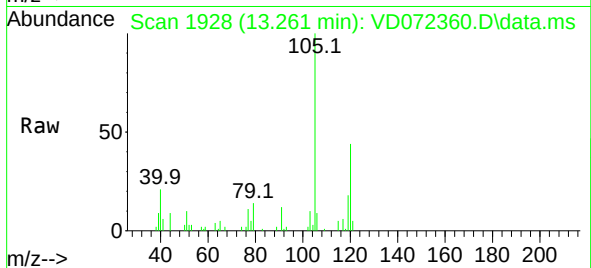
G-4-7-17-18

Tgt Ion:105 Resp: 21498

Ion Ratio Lower Upper

105 100

120 45.7 22.3 66.8



#86

p-Isopropyltoluene

Concen: 1.378 ug/l

RT: 13.502 min Scan# 1969

Delta R.T. -0.006 min

Lab File: VD072360.D

Acq: 22 Mar 2022 13:14

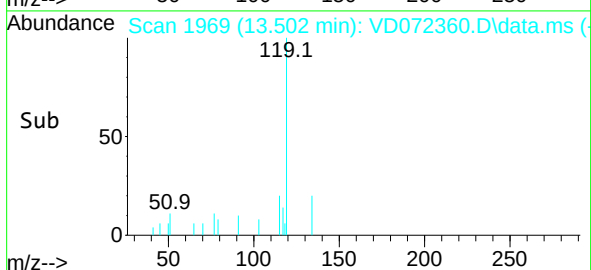
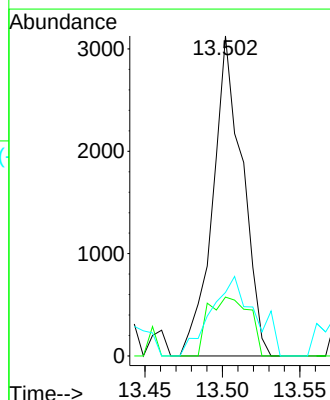
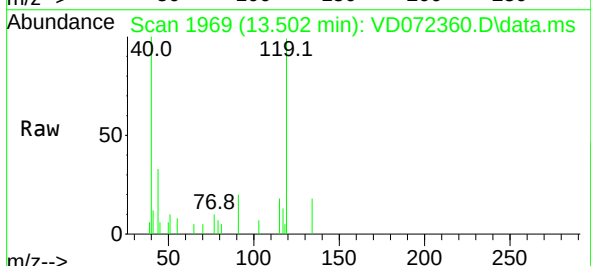
Tgt Ion:119 Resp: 4161

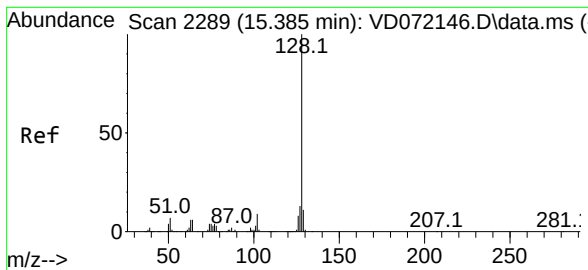
Ion Ratio Lower Upper

119 100

134 25.4 12.9 38.6

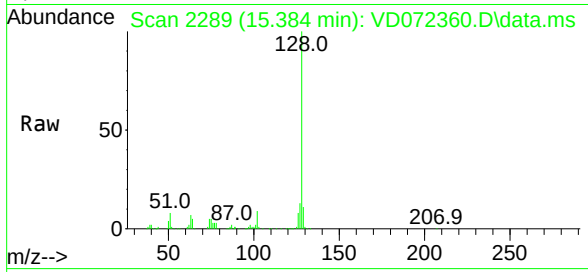
91 36.4 12.1 36.3#





#95
Naphthalene
Concen: 280.512 ug/l
RT: 15.384 min Scan# 21
Delta R.T. -0.000 min
Lab File: VD072360.D
Acq: 22 Mar 2022 13:14

Instrument :
MSVOA_D
ClientSampleId :
G-4-7-17-18



Tgt Ion:	128	Resp:	427013
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	11.1	8.4	12.6

