

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032122\
 Data File : VD072350.D
 Acq On : 21 Mar 2022 19:55
 Operator : VA/SY
 Sample : N1968-07
 Misc : 5.08G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 G-2-8-16-17

Quant Time: Mar 22 02:14:09 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)

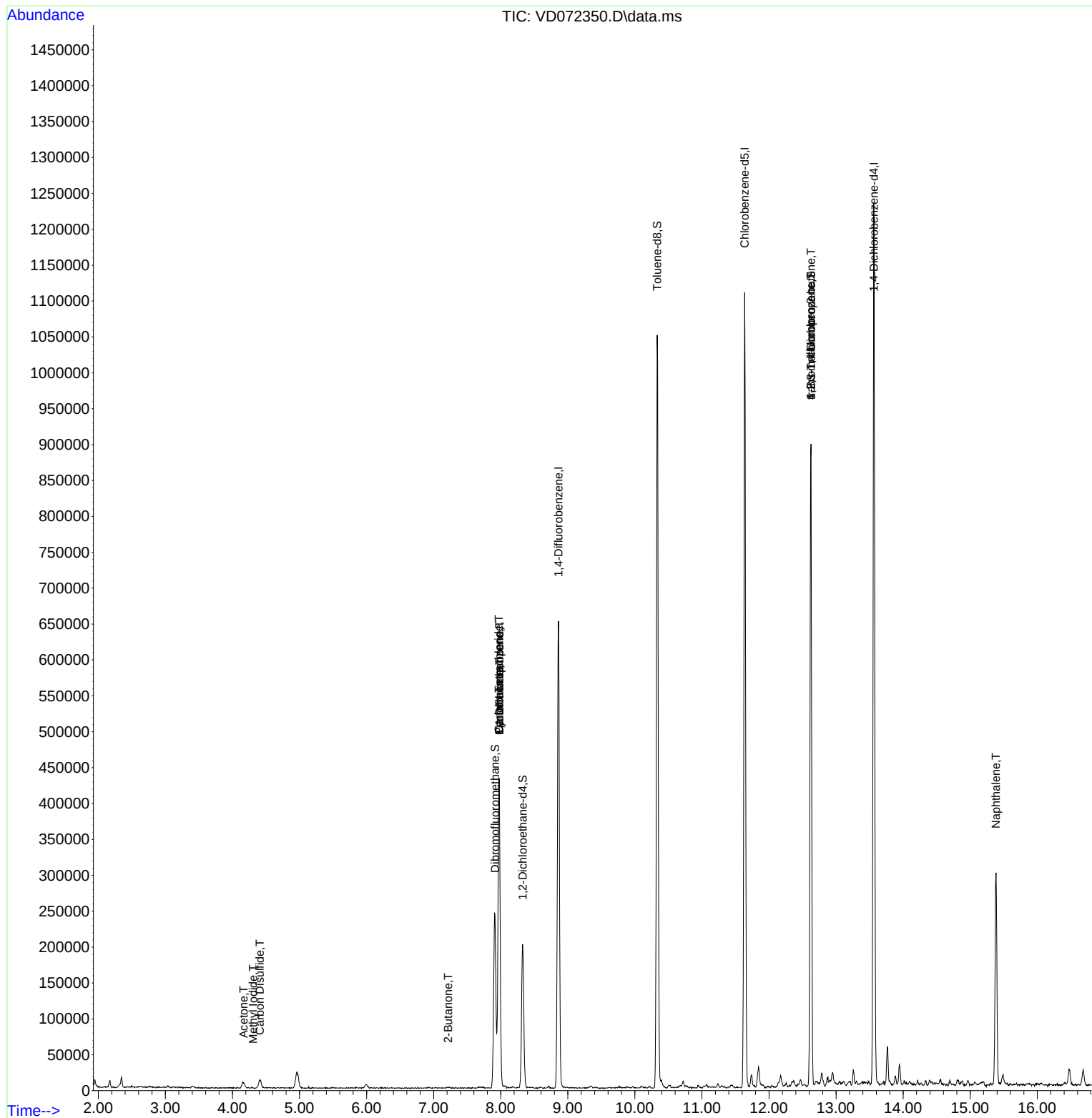
Internal Standards						
1) Pentafluorobenzene	7.979	168	310814	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	550124	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	621651	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	320237	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	165312	47.725	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.440%
35) Dibromofluoromethane	7.914	113	175989	45.460	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	90.920%
50) Toluene-d8	10.332	98	701076	49.527	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	99.060%
62) 4-Bromofluorobenzene	12.626	95	301648	54.844	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	109.680%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.309	142	151	2.272	ug/l #	38
16) Acetone	4.168	43	14373	19.111	ug/l #	89
17) Carbon Disulfide	4.409	76	24898	5.125	ug/l	97
20) Methylene Chloride	4.962	84	17130	Below Cal		90
25) 2-Butanone	7.214	43	2242	2.236	ug/l #	52
31) Cyclohexane	7.979	56	7505	1.387	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	27329	5.032	ug/l #	50
38) Carbon Tetrachloride	7.973	117	32968	5.340	ug/l #	16
76) 1,2,3-Trichloropropane	12.626	75	156577	44.325	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	156577	109.974	ug/l #	7
95) Naphthalene	15.385	128	261851	21.984	ug/l	99

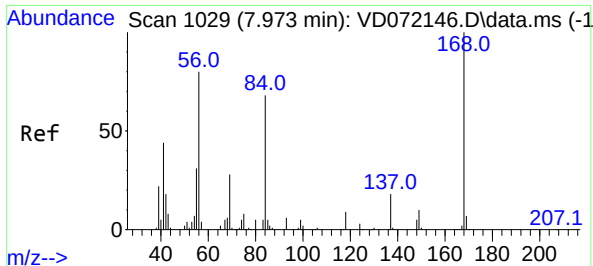
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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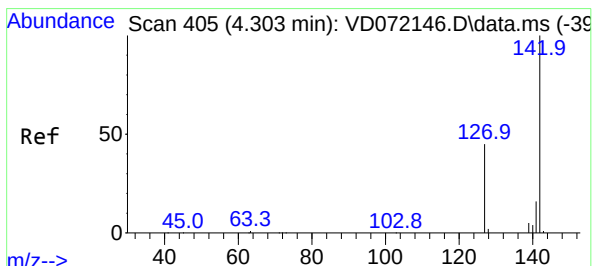
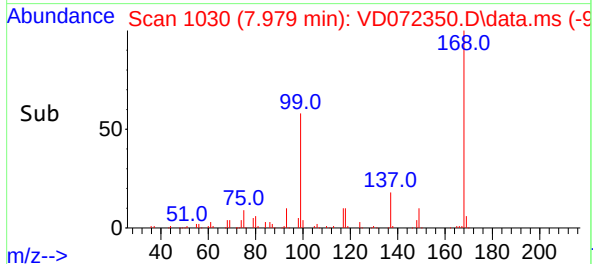
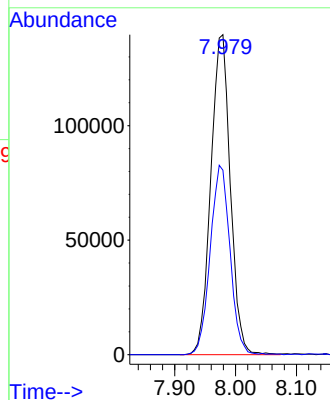
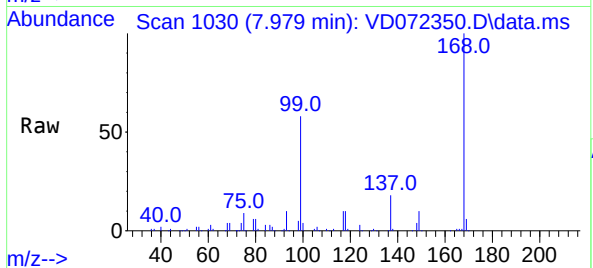




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1029
Delta R.T. 0.006 min
Lab File: VD072350.D
Acq: 21 Mar 2022 19:55

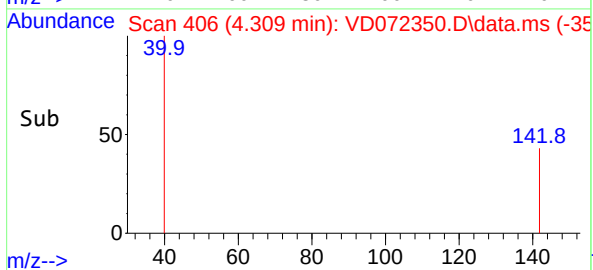
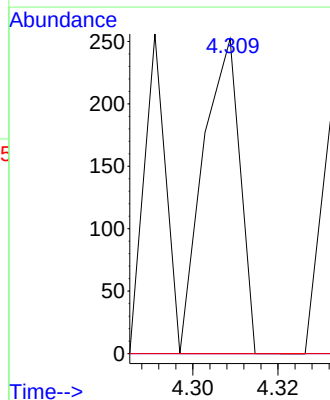
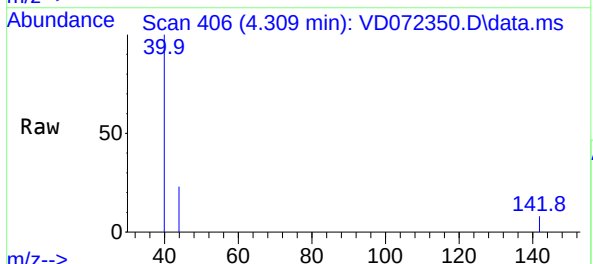
Instrument :
MSVOA_D
ClientSampleId :
G-2-8-16-17

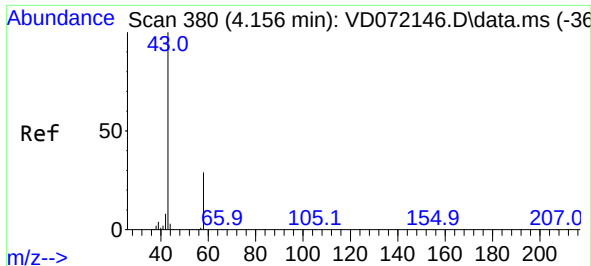
Tgt Ion:168 Resp: 310814
Ion Ratio Lower Upper
168 100
99 57.6 49.8 74.6



#10
Methyl Iodide
Concen: 2.272 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.006 min
Lab File: VD072350.D
Acq: 21 Mar 2022 19:55

Tgt Ion:142 Resp: 151
Ion Ratio Lower Upper
142 100
127 0.0 37.3 55.9#
141 0.0 11.7 17.5#

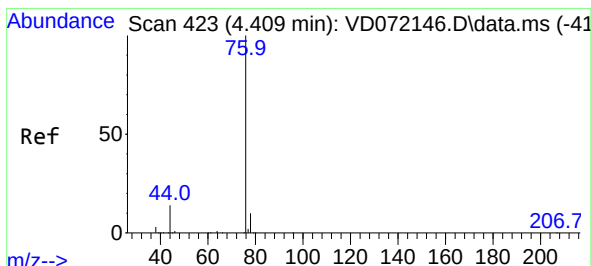
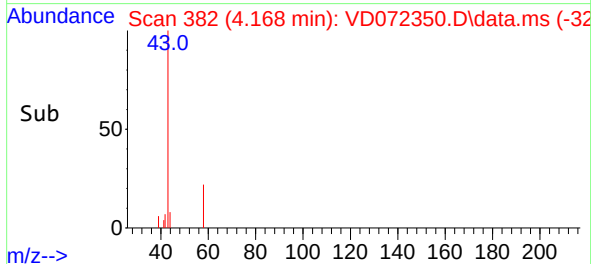
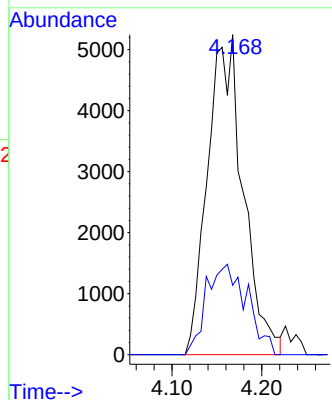
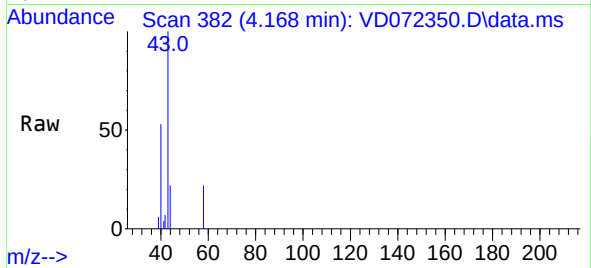




#16
Acetone
Concen: 19.111 ug/l
RT: 4.168 min Scan# 382
Delta R.T. 0.012 min
Lab File: VD072350.D
Acq: 21 Mar 2022 19:55

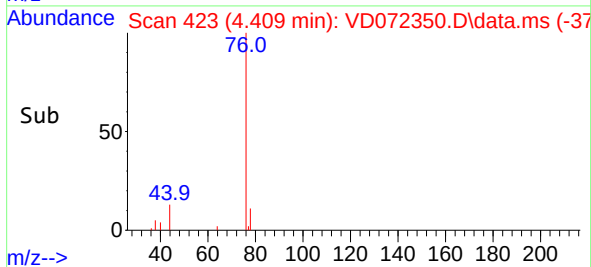
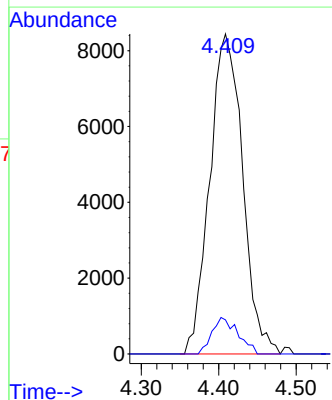
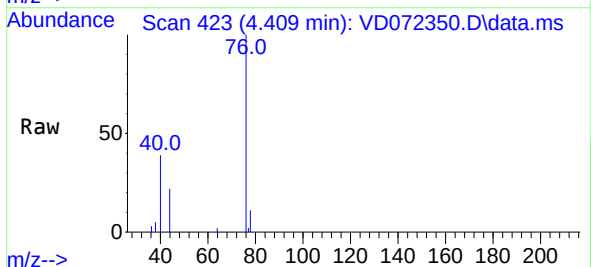
Instrument :
MSVOA_D
ClientSampleId :
G-2-8-16-17

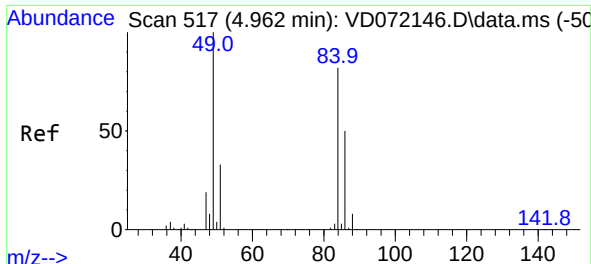
Tgt Ion: 43 Resp: 14373
Ion Ratio Lower Upper
43 100
58 21.7 22.1 33.1#



#17
Carbon Disulfide
Concen: 5.125 ug/l
RT: 4.409 min Scan# 423
Delta R.T. -0.000 min
Lab File: VD072350.D
Acq: 21 Mar 2022 19:55

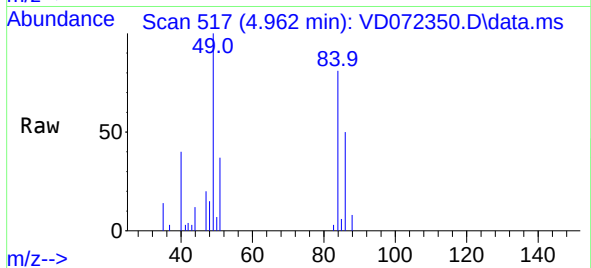
Tgt Ion: 76 Resp: 24898
Ion Ratio Lower Upper
76 100
78 10.6 7.5 11.3



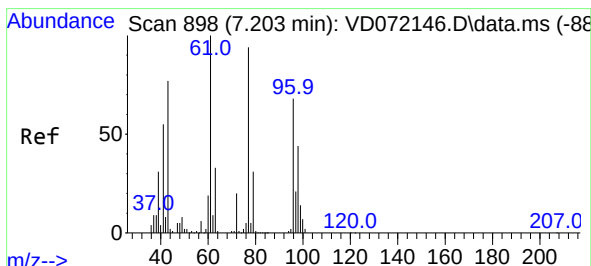
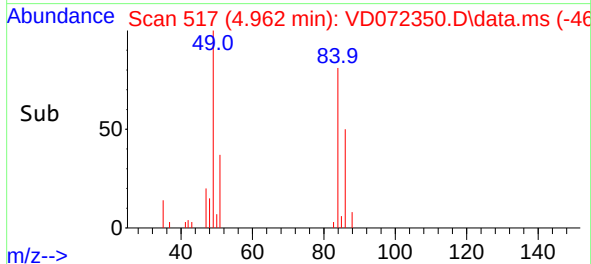
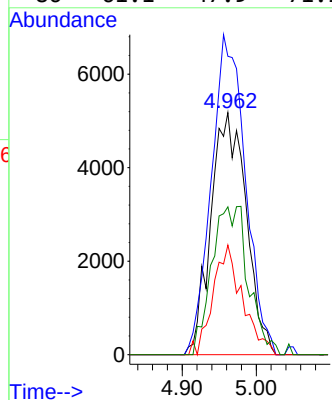


#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD072350.D
Acq: 21 Mar 2022 19:55

Instrument :
MSVOA_D
ClientSampleId :
G-2-8-16-17

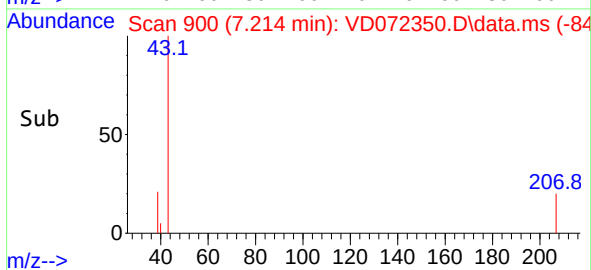
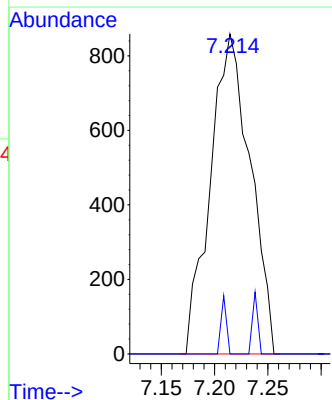
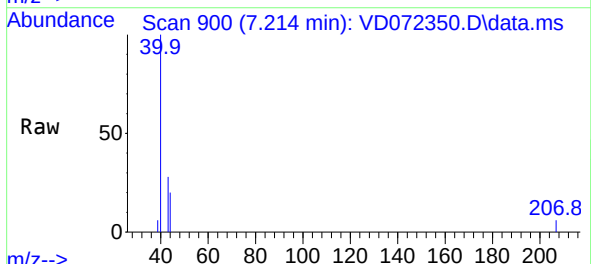


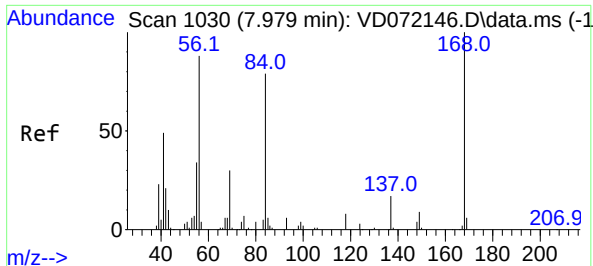
Tgt Ion: 84 Resp: 17130
Ion Ratio Lower Upper
84 100
49 123.3 112.8 169.2
51 45.3 32.6 48.8
86 61.1 47.9 71.9



#25
2-Butanone
Concen: 2.236 ug/l
RT: 7.214 min Scan# 900
Delta R.T. 0.012 min
Lab File: VD072350.D
Acq: 21 Mar 2022 19:55

Tgt Ion: 43 Resp: 2242
Ion Ratio Lower Upper
43 100
72 0.0 18.6 27.8#





#31

Cyclohexane

Concen: 1.387 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. 0.000 min

Lab File: VD072350.D

Acq: 21 Mar 2022 19:55

Instrument :

MSVOA_D

ClientSampleId :

G-2-8-16-17

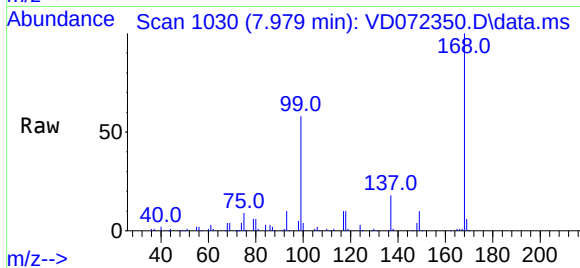
Tgt Ion: 56 Resp: 7505

Ion Ratio Lower Upper

56 100

69 174.3 25.4 38.2#

84 145.9 63.0 94.4#



Abundance

6000

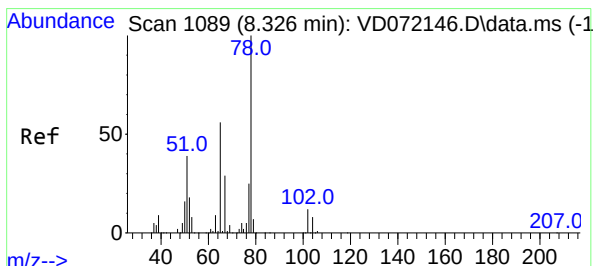
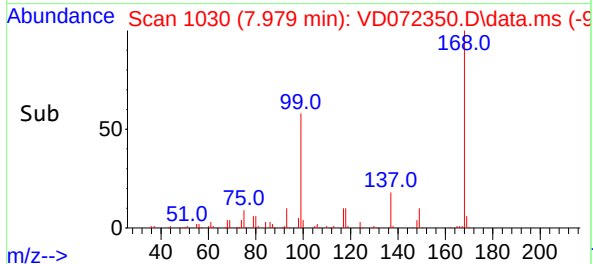
4000

2000

0

Time-->

7.90 7.95 8.00 8.05



#33

1,2-Dichloroethane-d4

Concen: 47.725 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD072350.D

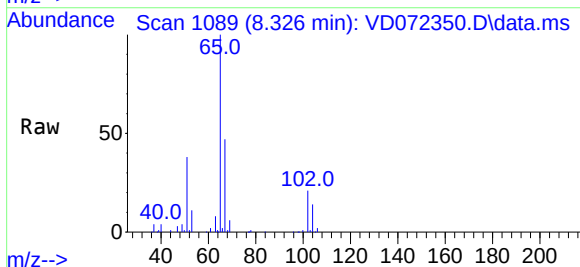
Acq: 21 Mar 2022 19:55

Tgt Ion: 65 Resp: 165312

Ion Ratio Lower Upper

65 100

67 50.2 0.0 101.4



Abundance

60000

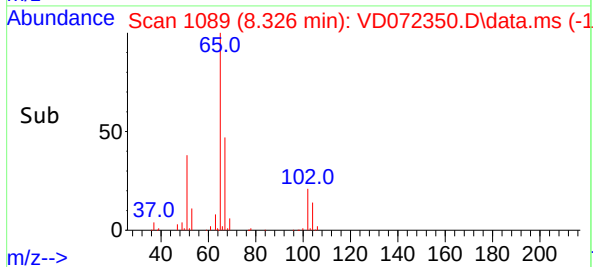
40000

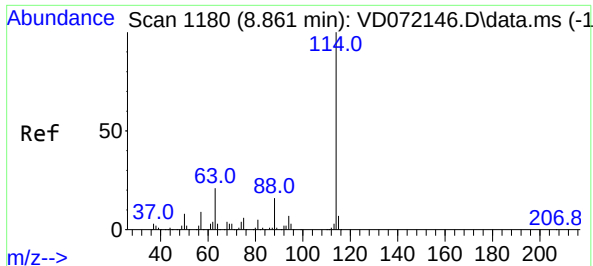
20000

0

Time-->

8.20 8.30 8.40





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD072350.D

Acq: 21 Mar 2022 19:55

Instrument :

MSVOA_D

ClientSampleId :

G-2-8-16-17

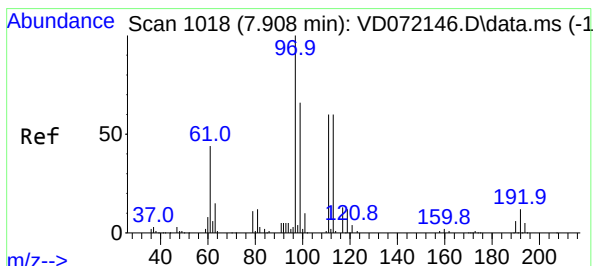
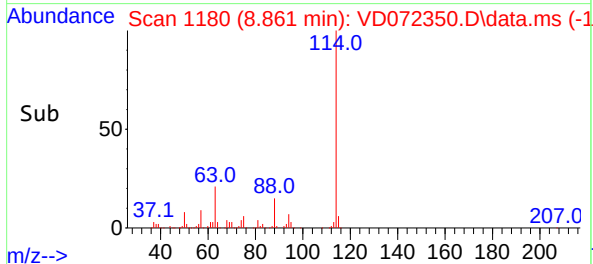
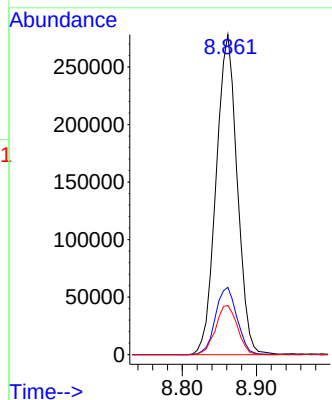
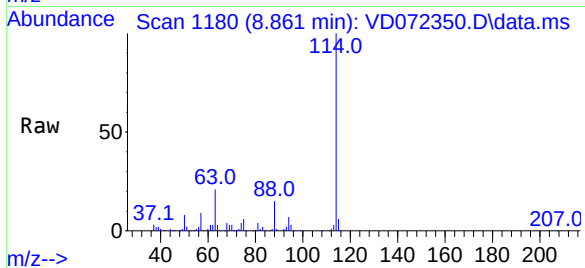
Tgt Ion:114 Resp: 550124

Ion Ratio Lower Upper

114 100

63 21.0 0.0 46.6

88 15.4 0.0 33.2



#35

Dibromofluoromethane

Concen: 45.460 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.006 min

Lab File: VD072350.D

Acq: 21 Mar 2022 19:55

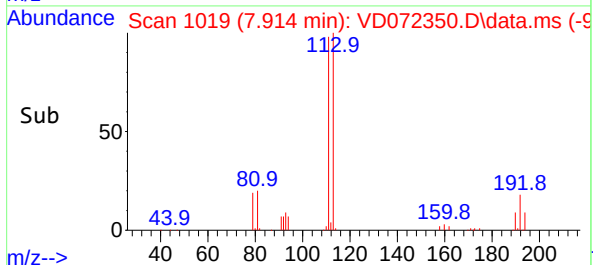
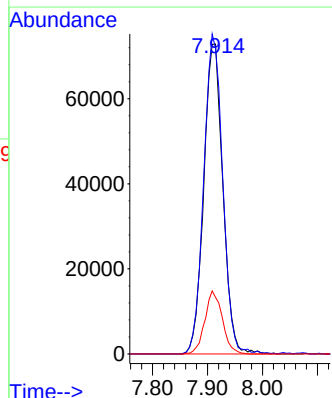
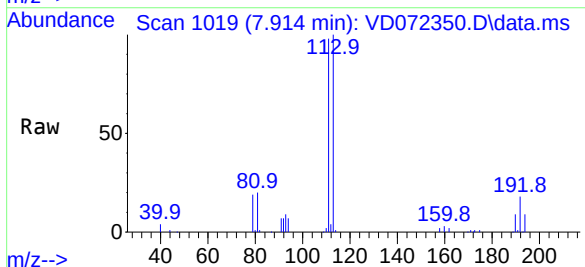
Tgt Ion:113 Resp: 175989

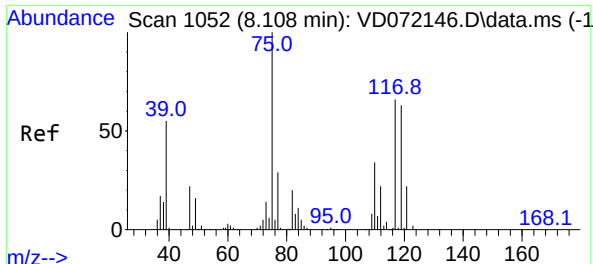
Ion Ratio Lower Upper

113 100

111 102.7 83.8 125.6

192 18.7 14.6 21.8





#36

1,1-Dichloropropene

Concen: 5.032 ug/l

RT: 7.979 min Scan# 1029

Delta R.T. -0.129 min

Lab File: VD072350.D

Acq: 21 Mar 2022 19:55

Instrument :

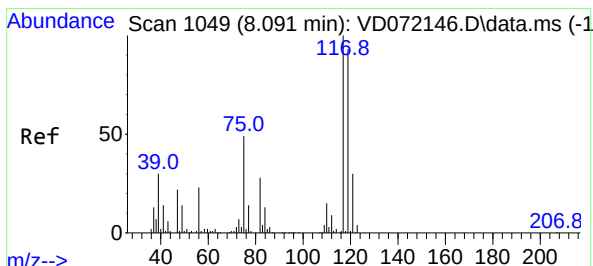
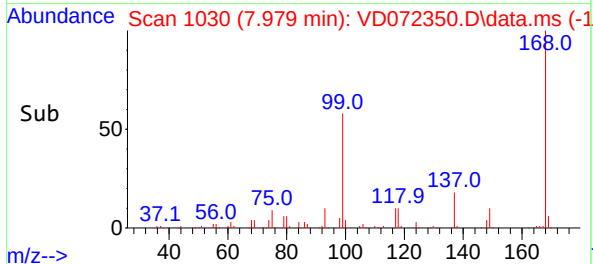
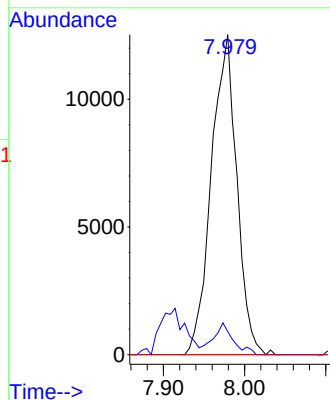
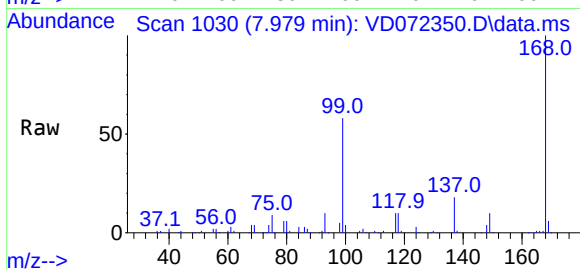
MSVOA_D

ClientSampleId :

G-2-8-16-17

Tgt Ion: 75 Resp: 27329

Ion	Ratio	Lower	Upper
75	100		
110	7.9	16.4	49.1#
77	0.0	24.2	36.2#



#38

Carbon Tetrachloride

Concen: 5.340 ug/l

RT: 7.973 min Scan# 1029

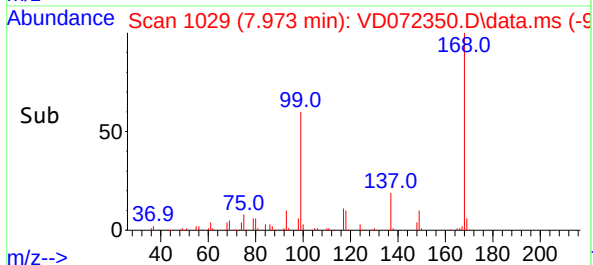
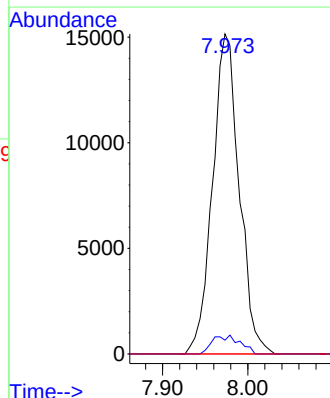
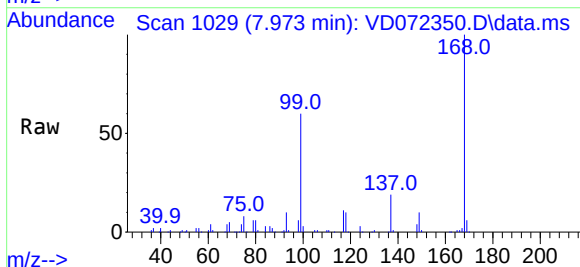
Delta R.T. -0.118 min

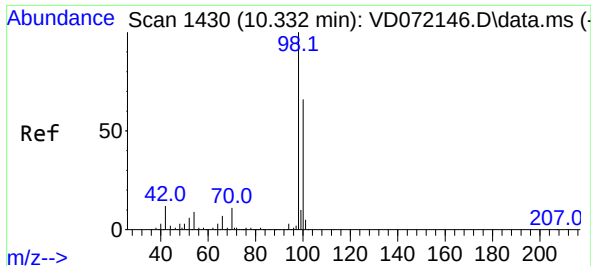
Lab File: VD072350.D

Acq: 21 Mar 2022 19:55

Tgt Ion: 117 Resp: 32968

Ion	Ratio	Lower	Upper
117	100		
119	4.3	75.8	113.6#
121	0.0	24.5	36.7#

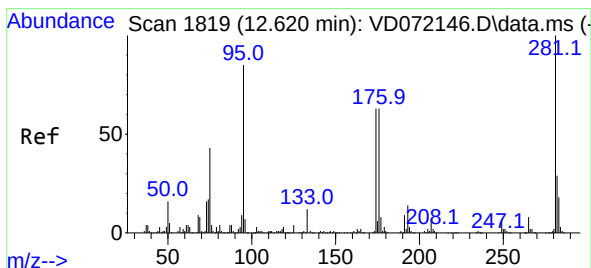
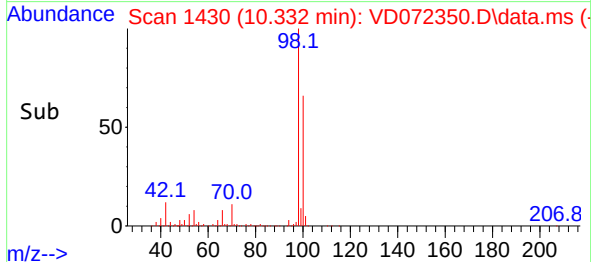
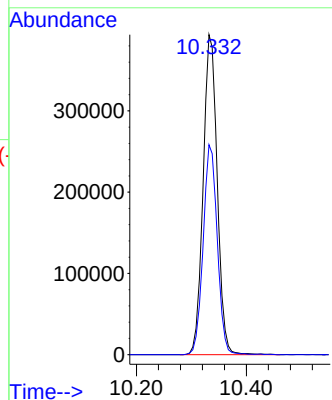
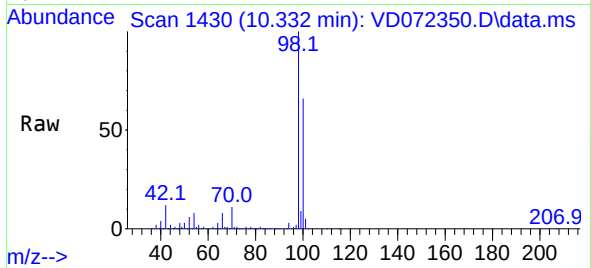




#50
Toluene-d8
Concen: 49.527 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD072350.D
Acq: 21 Mar 2022 19:55

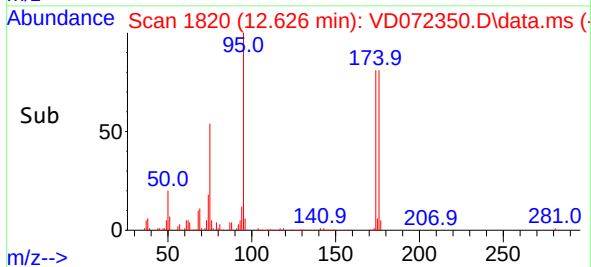
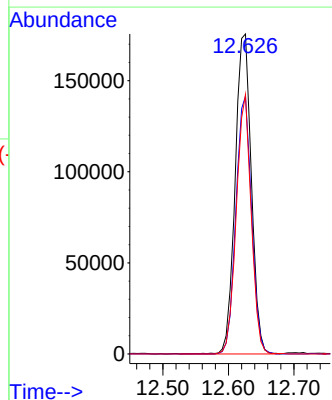
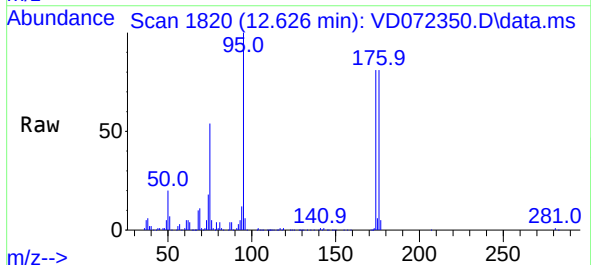
Instrument :
MSVOA_D
ClientSampleId :
G-2-8-16-17

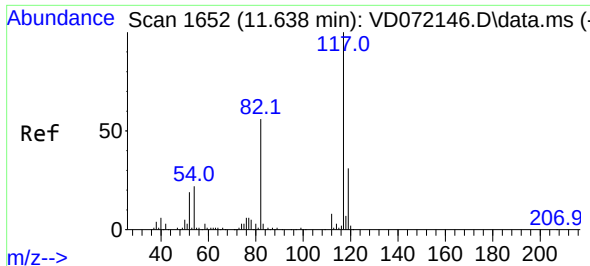
Tgt Ion: 98 Resp: 701076
Ion Ratio Lower Upper
98 100
100 65.6 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 54.844 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.006 min
Lab File: VD072350.D
Acq: 21 Mar 2022 19:55

Tgt Ion: 95 Resp: 301648
Ion Ratio Lower Upper
95 100
174 78.2 0.0 152.8
176 74.7 0.0 145.4

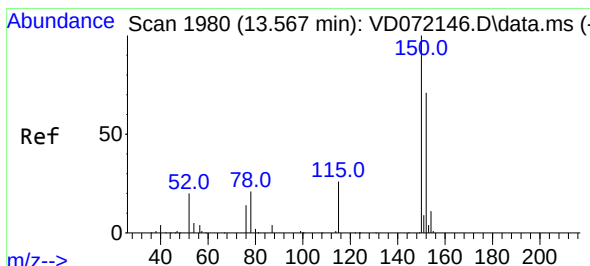
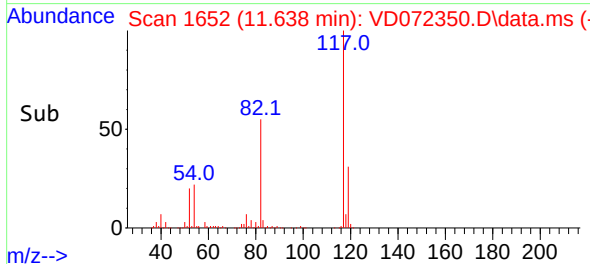
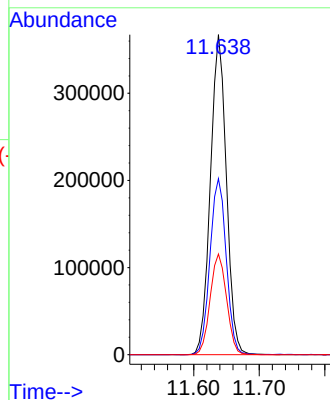
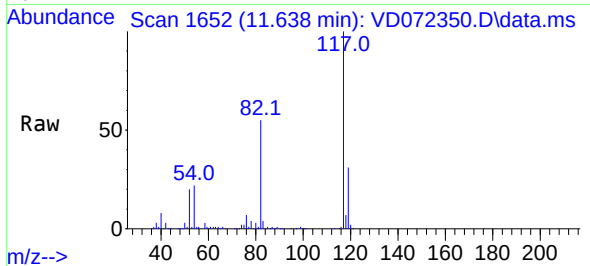




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VD072350.D
Acq: 21 Mar 2022 19:55

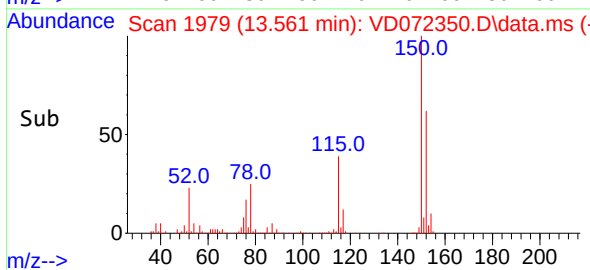
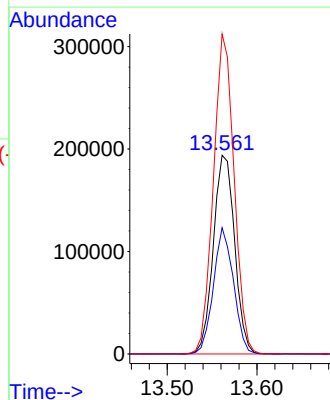
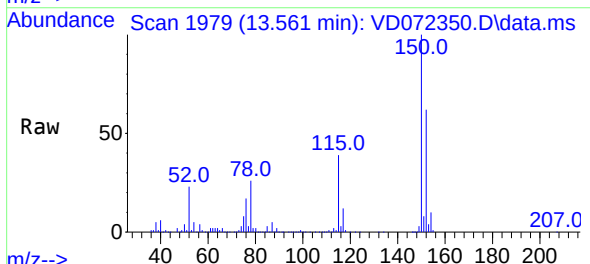
Instrument :
MSVOA_D
ClientSampleId :
G-2-8-16-17

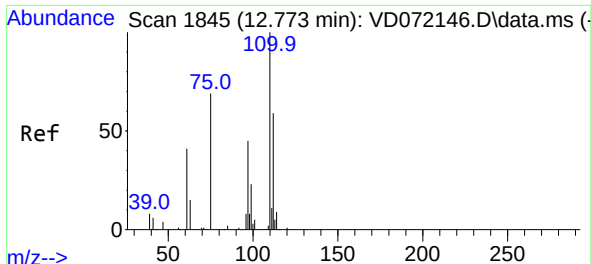
Tgt Ion:117 Resp: 621651
Ion Ratio Lower Upper
117 100
82 55.0 45.3 67.9
119 31.5 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD072350.D
Acq: 21 Mar 2022 19:55

Tgt Ion:152 Resp: 320237
Ion Ratio Lower Upper
152 100
115 59.9 31.3 93.8
150 156.3 0.0 348.6

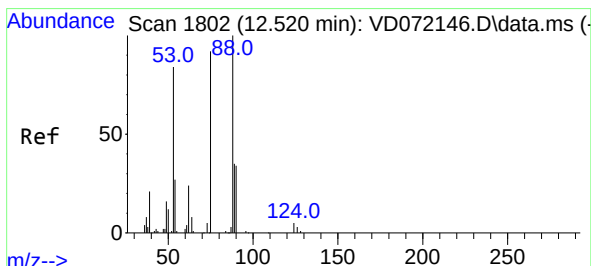
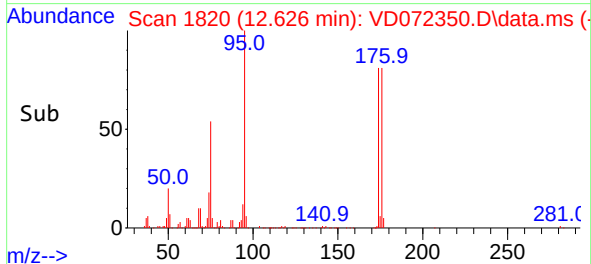
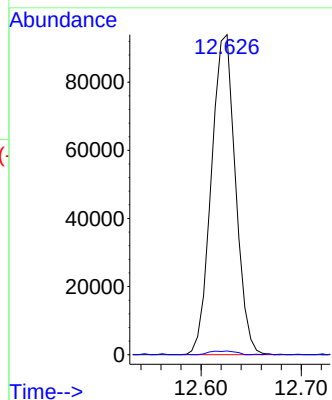
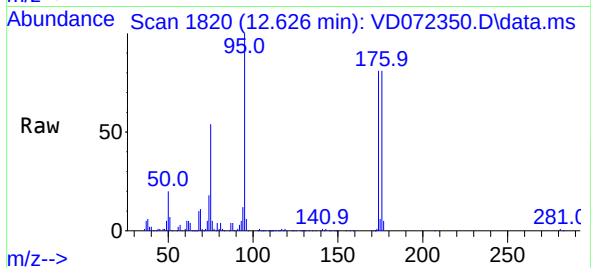




#76
1,2,3-Trichloropropane
Concen: 44.325 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD072350.D
Acq: 21 Mar 2022 19:55

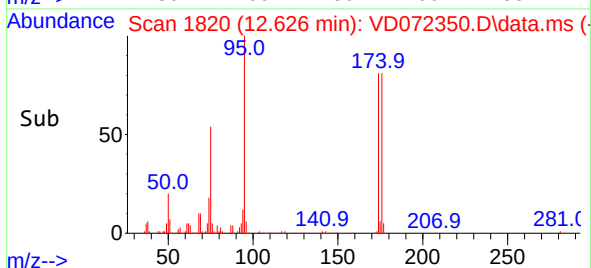
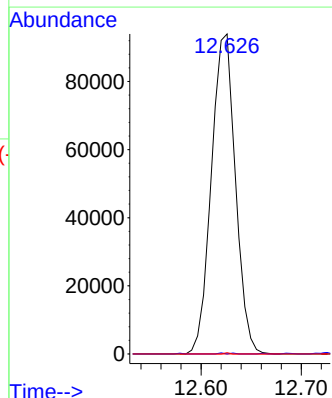
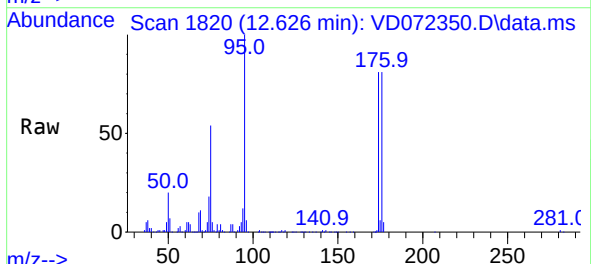
Instrument :
MSVOA_D
ClientSampleId :
G-2-8-16-17

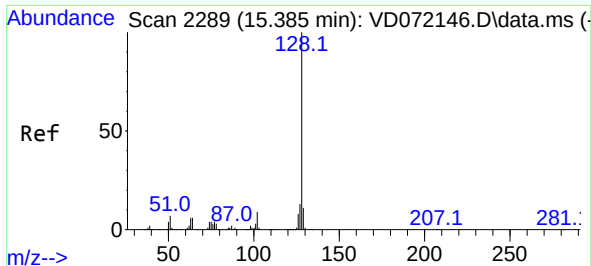
Tgt Ion: 75 Resp: 156577
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 109.974 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD072350.D
Acq: 21 Mar 2022 19:55

Tgt Ion: 75 Resp: 156577
Ion Ratio Lower Upper
75 100
53 0.1 86.5 129.7#
89 0.1 33.9 50.9#





#95

Naphthalene

Concen: 21.984 ug/l

RT: 15.385 min Scan# 21

Delta R.T. 0.000 min

Lab File: VD072350.D

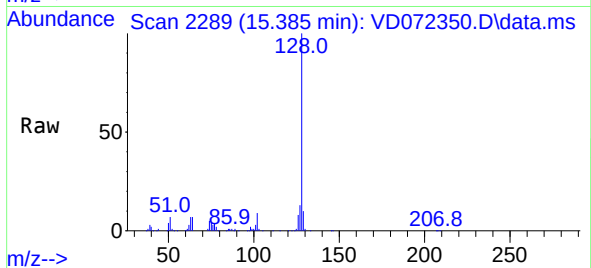
Acq: 21 Mar 2022 19:55

Instrument :

MSVOA_D

ClientSampleId :

G-2-8-16-17



Tgt Ion:128 Resp: 261851

Ion Ratio Lower Upper

128 100

127 13.2 10.3 15.5

129 10.8 8.4 12.6

