

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081820\
 Data File : VD066290.D
 Acq On : 18 Aug 2020 20:47
 Operator : VA/SY
 Sample : L3700-08
 Misc : 8.12G/5.00ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 S408-K-SO-1-1.5-081420

Quant Time: Aug 19 08:04:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:49:25 2020
 Response via : Initial Calibration

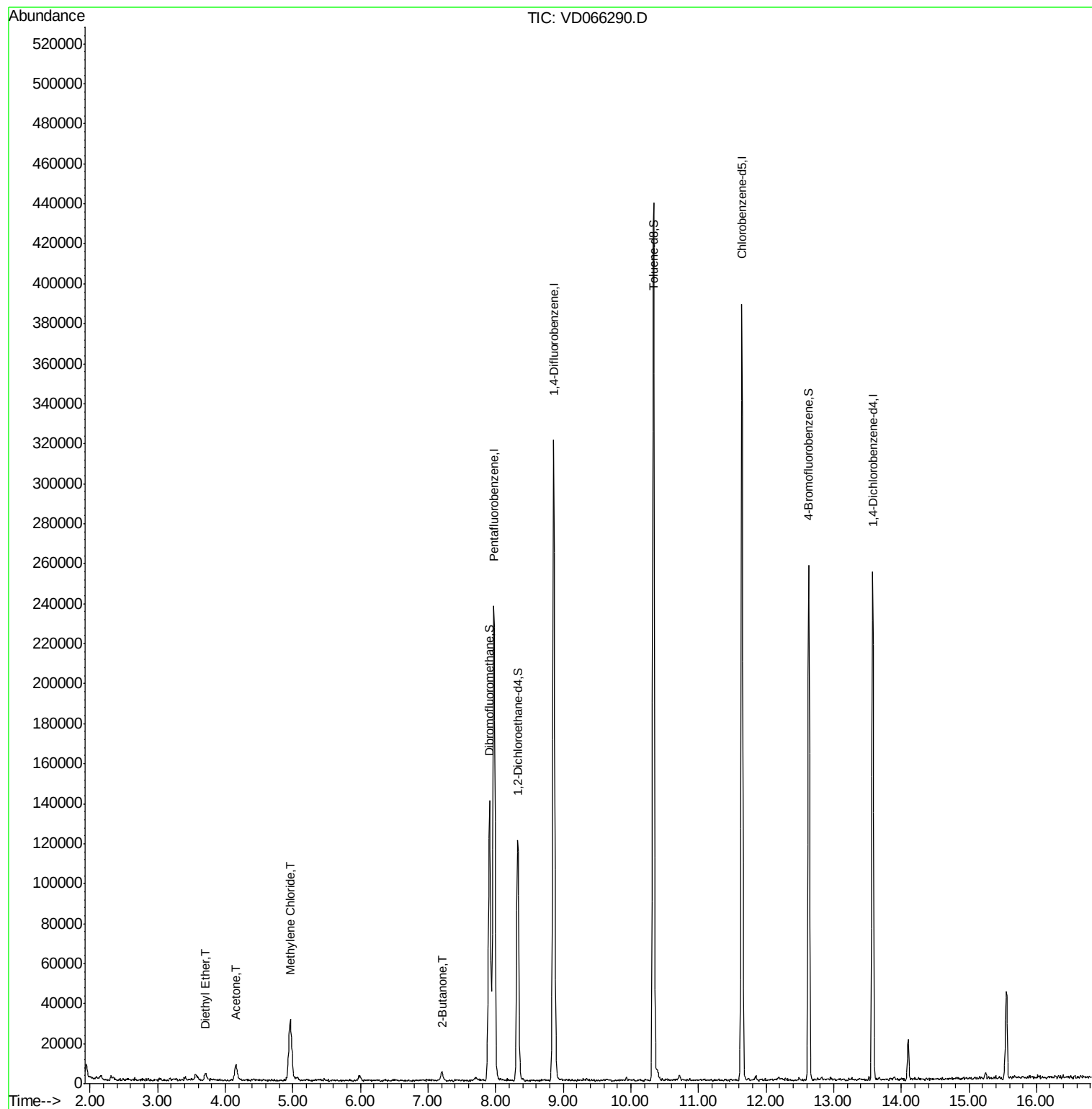
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	187169	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	280915	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	225769	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	71301	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	100273	60.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	120.10%	
35) Dibromofluoromethane	7.91	113	96981	54.50	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.00%	
50) Toluene-d8	10.34	98	299119	45.55	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.10%	
62) 4-Bromofluorobenzene	12.64	95	76919	32.49	ug/l	0.00
Spiked Amount 50.000			Recovery	=	64.98%	
Target Compounds						
8) Diethyl Ether	3.71	74	2489	2.979	ug/l	89
16) Acetone	4.16	43	13801	43.559	ug/l	96
20) Methylene Chloride	4.96	84	24211	9.530	ug/l	95
25) 2-Butanone	7.21	43	3794	8.141	ug/l #	86

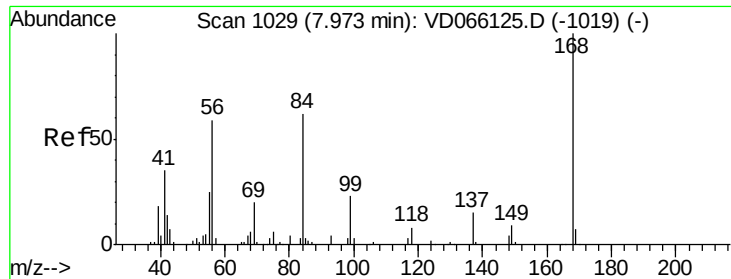
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. 0.00 min

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Acq: 18 Aug 2020 20:47

Instrument :

MSVOA_D

ClientSampleId :

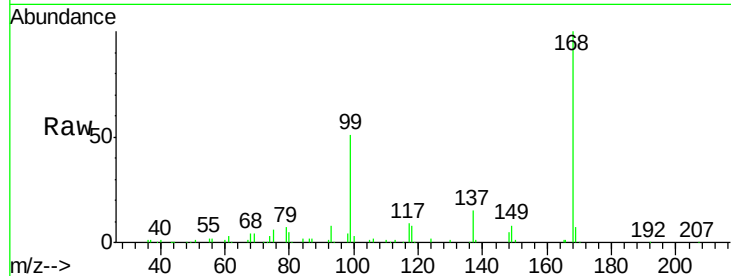
S408-K-SO-1-1.5-081420

Tot Ion:168 Resp: 187169

Ion Ratio Lower Upper

168 100

99 51.2 42.2 63.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.97

80000

60000

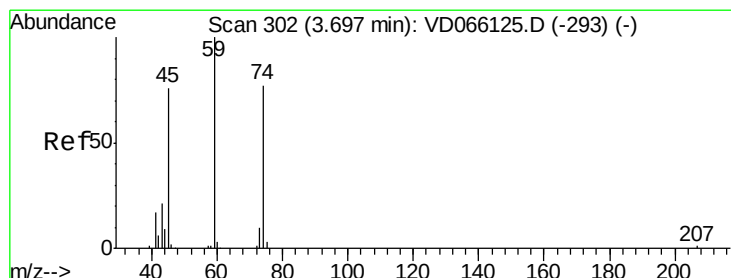
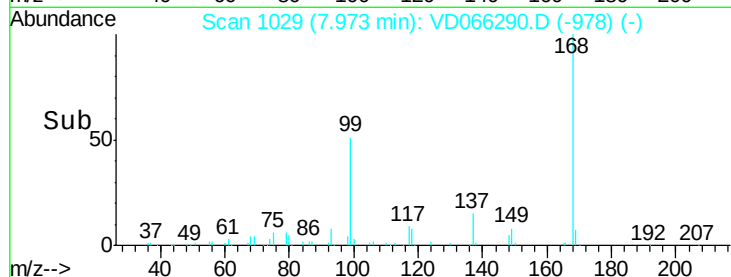
40000

20000

0

Time-->

7.90 8.00 8.10



#8

Diethyl Ether

Concen: 2.979 ug/l

RT: 3.71 min Scan# 304

Delta R.T. 0.01 min

Lab File: VD066290.D

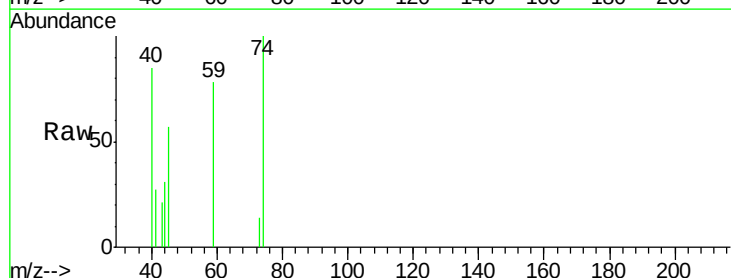
Acq: 18 Aug 2020 20:47

Tgt Ion: 74 Resp: 2489

Ion Ratio Lower Upper

74 100

45 86.0 48.4 145.2



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC

3.71

1500

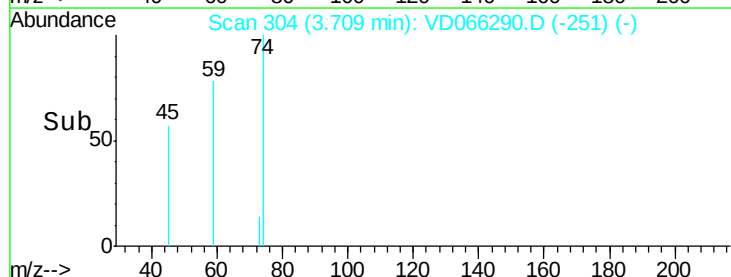
1000

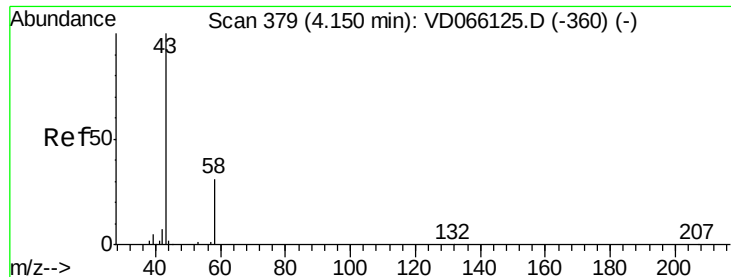
500

0

Time-->

3.65 3.70 3.75





#16

Acetone

Concen: 43.559 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.01 min

Lab File: VD066290.D

Acq: 18 Aug 2020 20:47

Instrument :

MSVOA_D

ClientSampleId :

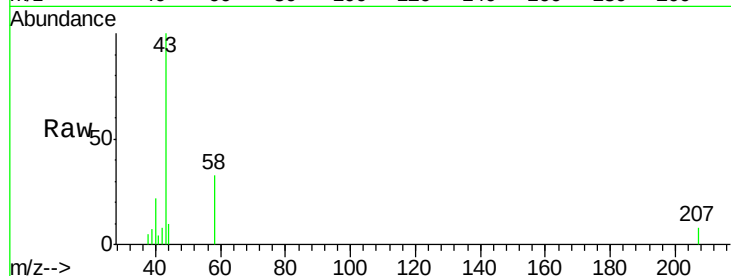
S408-K-SO-1-1.5-081420

Tot Ion: 43 Resp: 13801

Ion Ratio Lower Upper

43 100

58 33.3 24.7 37.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.16

4000

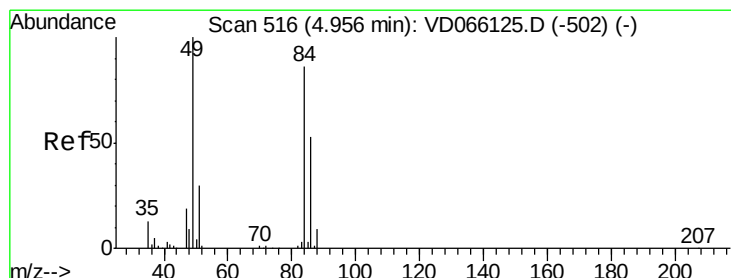
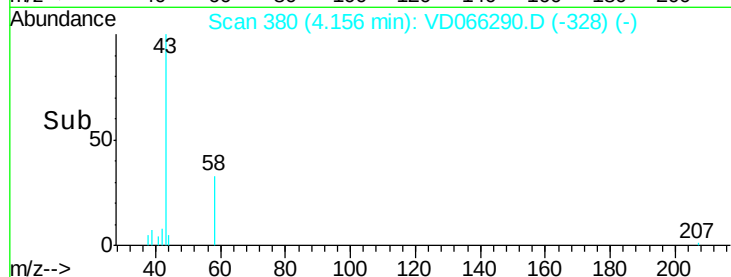
3000

2000

1000

0

Time--> 4.05 4.10 4.15 4.20 4.25



#20

Methylene Chloride

Concen: 9.530 ug/l

RT: 4.96 min Scan# 517

Delta R.T. 0.01 min

Lab File: VD066290.D

Acq: 18 Aug 2020 20:47

Tgt Ion: 84 Resp: 24211

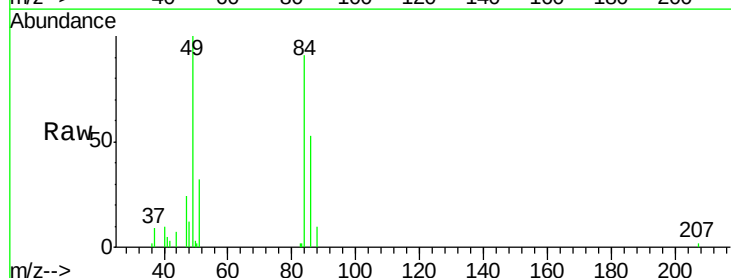
Ion Ratio Lower Upper

84 100

49 110.3 93.5 140.3

51 35.2 28.2 42.4

86 58.5 49.5 74.3



Abundance Ion 83.90 (83.60 to 84.60): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC

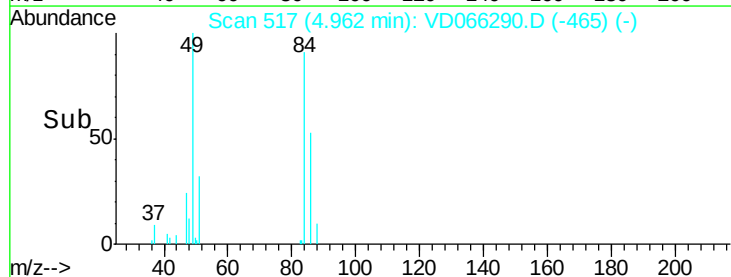
4.96

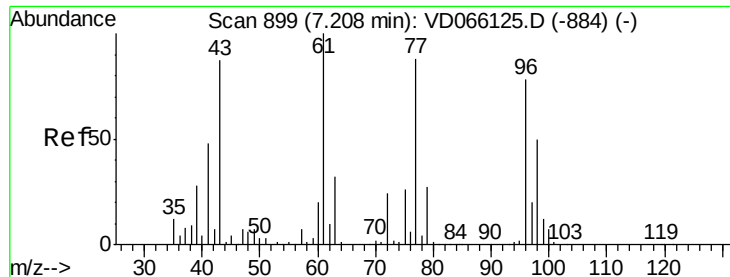
10000

5000

0

Time--> 4.90 5.00





#25

2-Butanone

Concen: 8.141 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD066290.D

Acq: 18 Aug 2020 20:47

Instrument :

MSVOA_D

ClientSampleId :

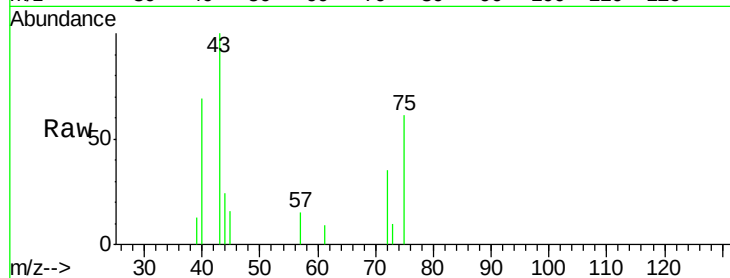
S408-K-SO-1-1.5-081420

Tot Ion: 43 Resp: 3794

Ion Ratio Lower Upper

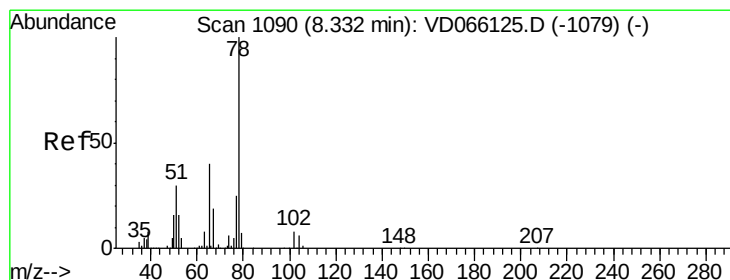
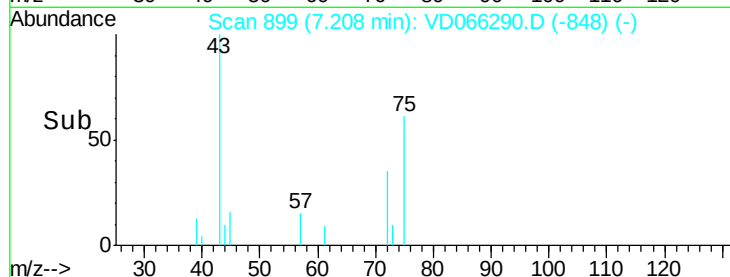
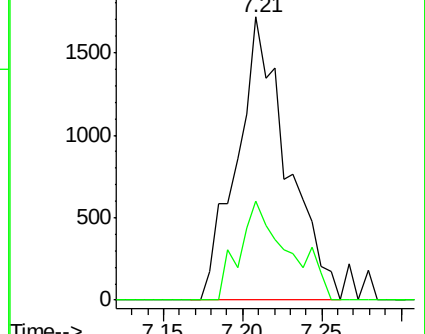
43 100

72 34.9 22.2 33.2#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#33

1,2-Dichloroethane-d4

Concen: 60.050 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066290.D

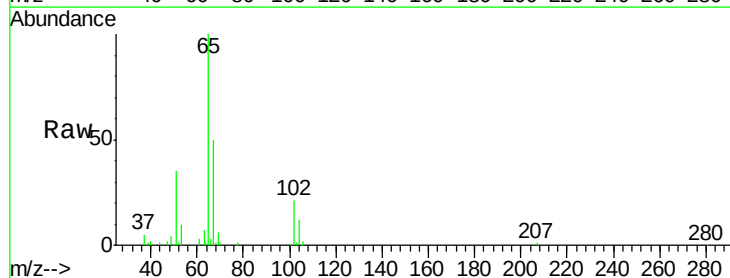
Acq: 18 Aug 2020 20:47

Tgt Ion: 65 Resp: 100273

Ion Ratio Lower Upper

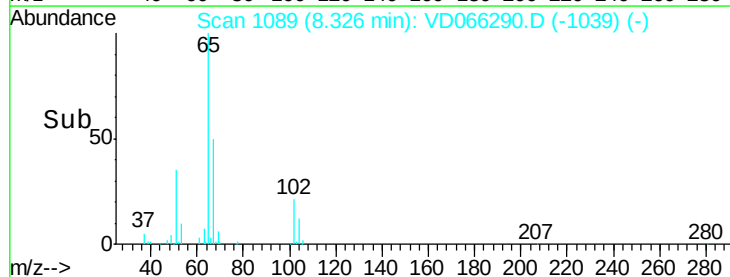
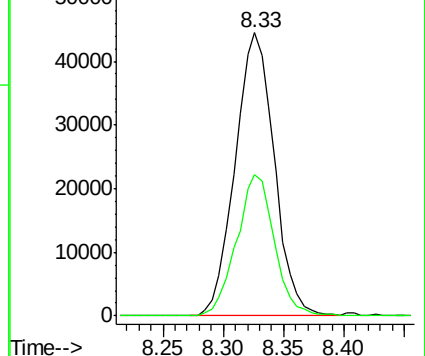
65 100

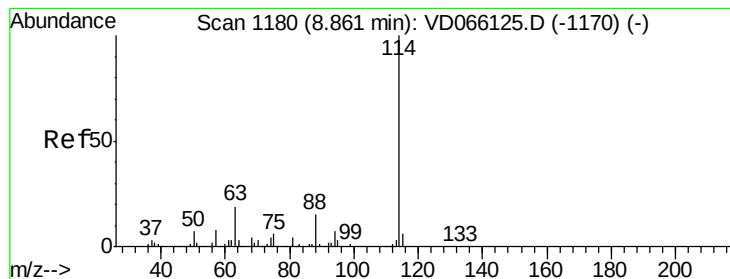
67 48.1 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD066290.D

Acq: 18 Aug 2020 20:47

Instrument :

MSVOA_D

ClientSampleId :

S408-K-SO-1-1.5-081420

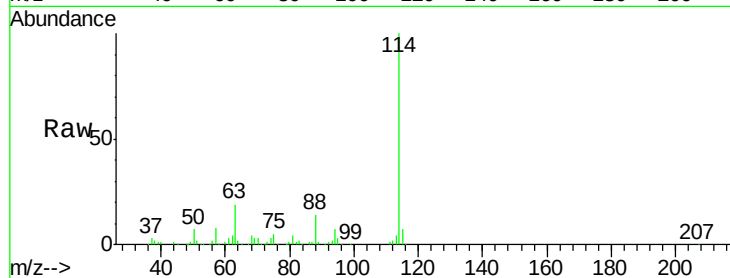
Tot Ion:114 Resp: 280915

Ion Ratio Lower Upper

114 100

63 18.8 0.0 38.6

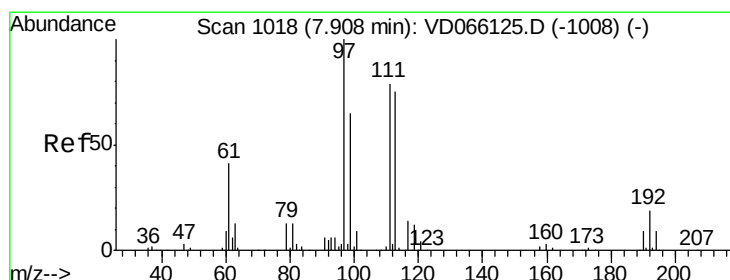
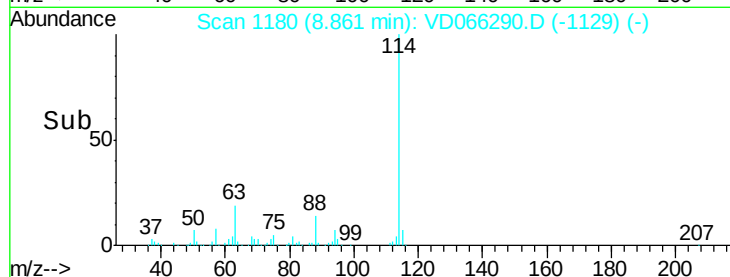
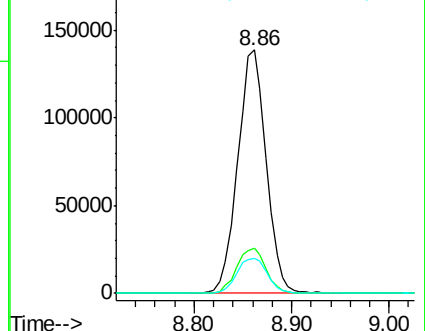
88 14.3 0.0 30.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): V

Ion 87.90 (87.60 to 88.60): V



#35

Dibromofluoromethane

Concen: 54.497 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VD066290.D

Acq: 18 Aug 2020 20:47

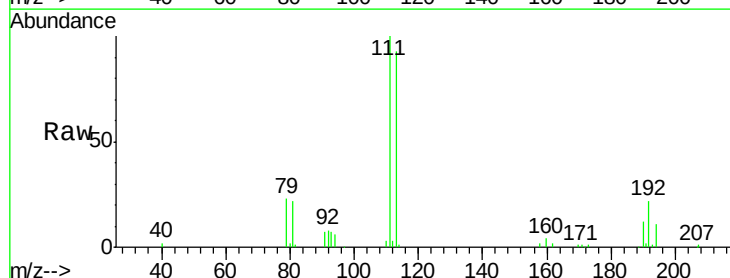
Tgt Ion:113 Resp: 96981

Ion Ratio Lower Upper

113 100

111 103.2 80.7 121.1

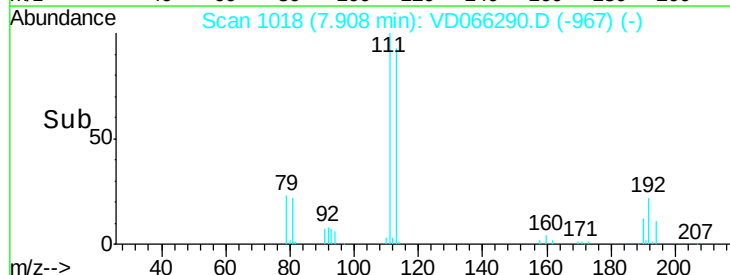
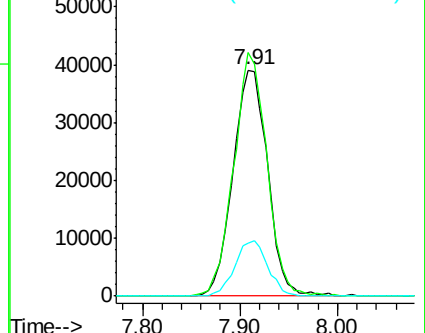
192 23.1 18.4 27.6

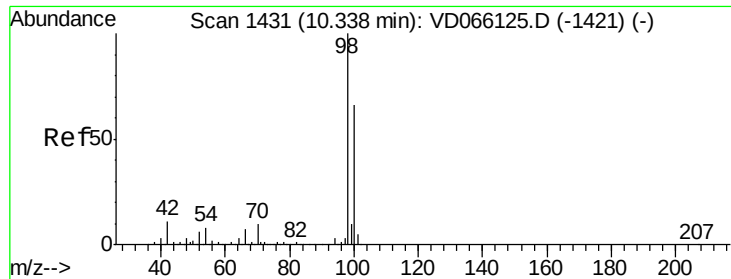


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

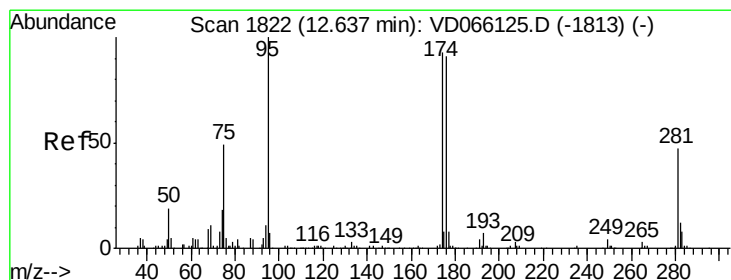
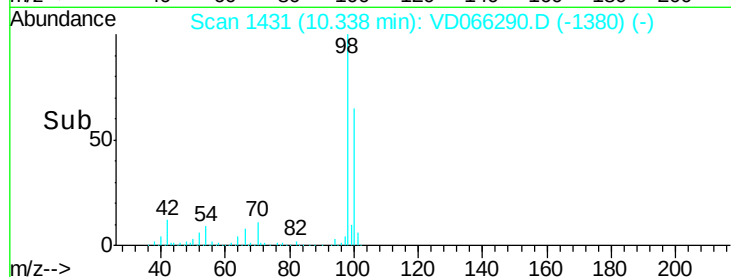
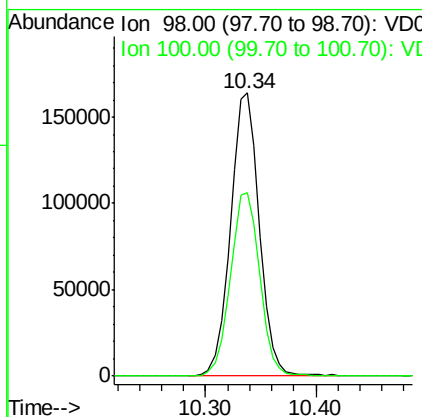
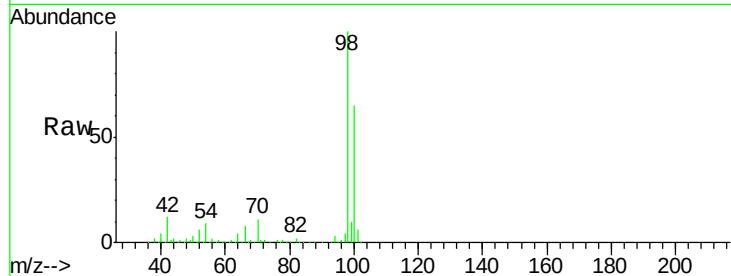




#50
Toluene-d8
Concen: 45.549 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066290.D
Acq: 18 Aug 2020 20:47

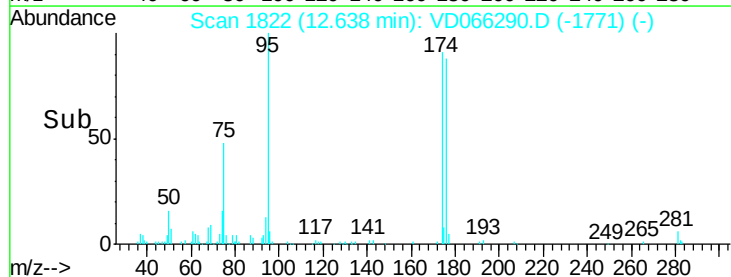
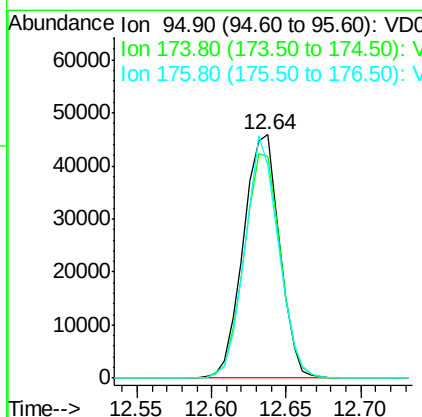
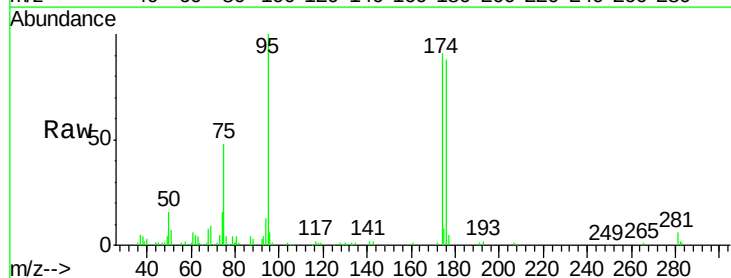
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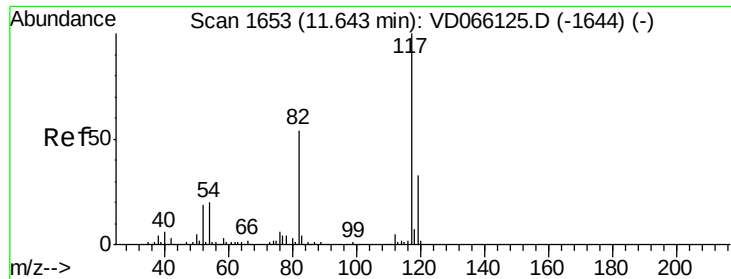
Tot Ion: 98 Resp: 299119
Ion Ratio Lower Upper
98 100
100 66.3 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 32.494 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD066290.D
Acq: 18 Aug 2020 20:47

Tgt Ion: 95 Resp: 76919
Ion Ratio Lower Upper
95 100
174 92.3 0.0 180.8
176 91.9 0.0 181.2

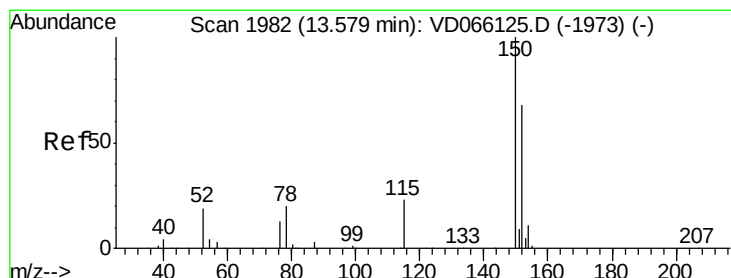
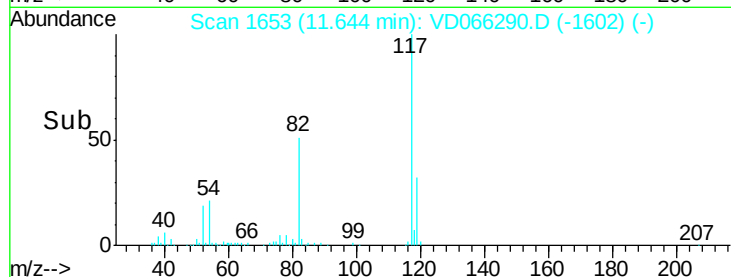
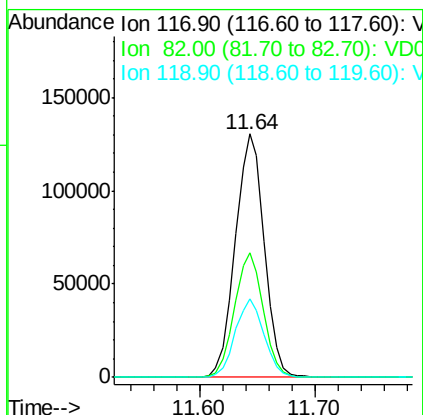
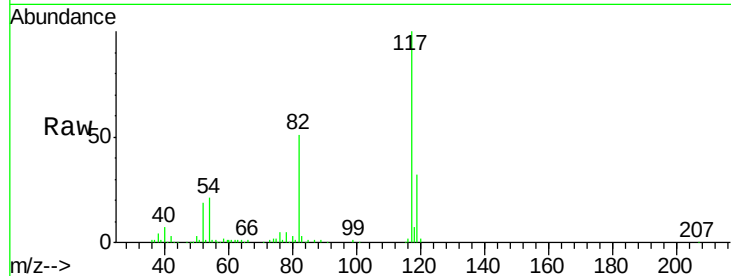




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066290.D
Acq: 18 Aug 2020 20:47

Instrument :
MSVOA_D
ClientSampleId :
S408-K-SO-1-1.5-081420

Tot Ion:117 Resp: 225769
Ion Ratio Lower Upper
117 100
82 51.1 43.0 64.4
119 32.4 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066290.D
Acq: 18 Aug 2020 20:47

Tgt Ion:152 Resp: 71301
Ion Ratio Lower Upper
152 100
115 54.0 28.0 83.9
150 159.6 0.0 346.4

