

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081020\
 Data File : VD066170.D
 Acq On : 10 Aug 2020 17:53
 Operator : VA/SY
 Sample : L3623-02
 Misc : 5.18G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-2

Quant Time: Aug 11 04:35:43 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	41417	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	70992	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	83137	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	47460	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	26384	71.40	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	142.80%	
35) Dibromofluoromethane	7.91	113	24717	54.96	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	109.92%	
50) Toluene-d8	10.34	98	83588	50.37	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.74%	
62) 4-Bromofluorobenzene	12.63	95	39568	66.14	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	132.28%	

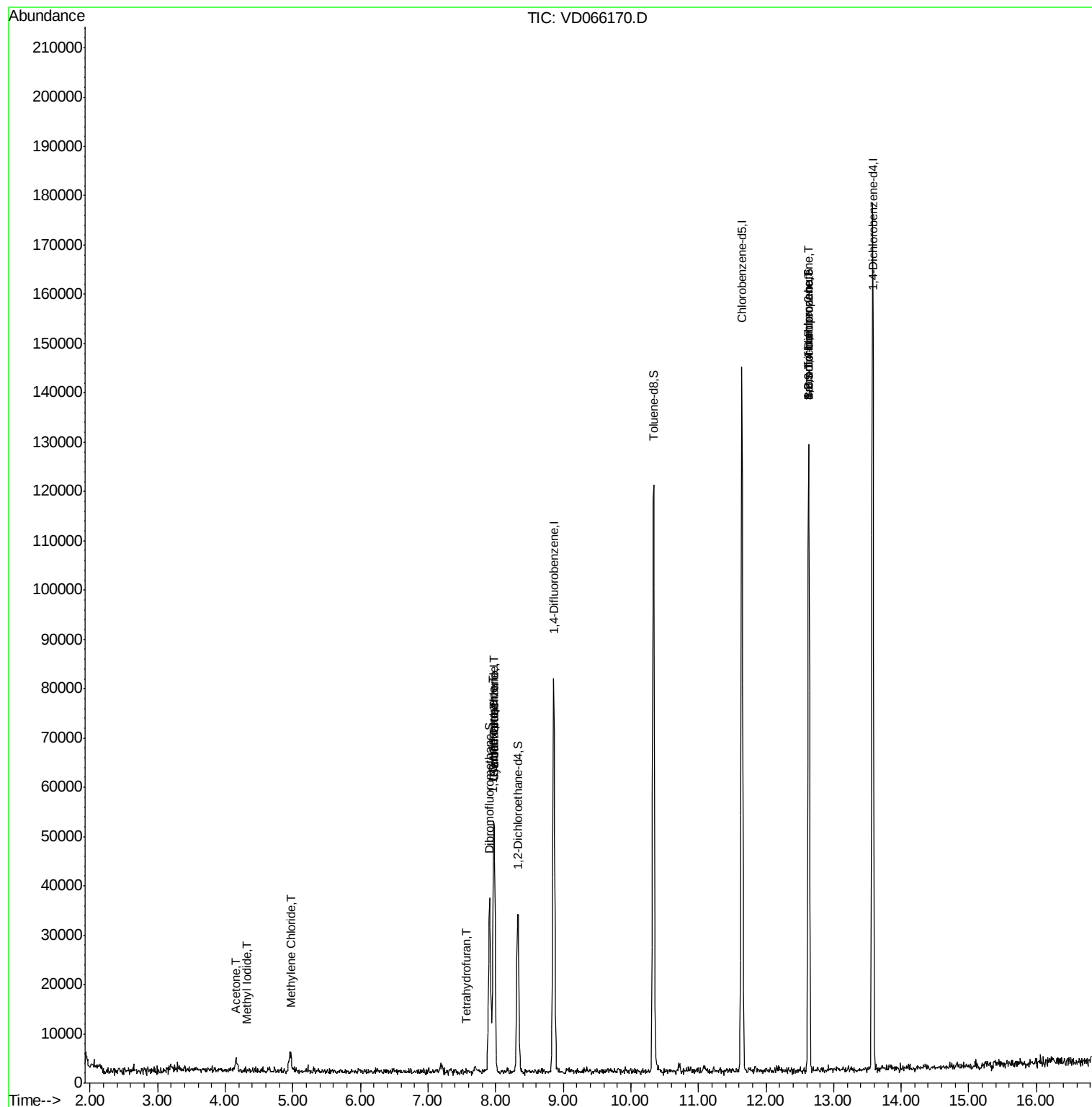
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.33	142	57	6.851	ug/l #	39
16) Acetone	4.16	43	3995	56.982	ug/l #	85
20) Methylene Chloride	4.97	84	2651	2.117	ug/l #	85
29) Tetrahydrofuran	7.56	42	149	2.332	ug/l #	32
31) Cyclohexane	7.99	56	938	1.449	ug/l #	55
36) 1,1-Dichloropropene	7.96	75	2845	4.265	ug/l #	42
38) Carbon Tetrachloride	7.97	117	4194	5.638	ug/l #	10
71) Bromoform	12.63	173	556	1.421	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	19453	49.151	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	19453	108.651	ug/l #	13

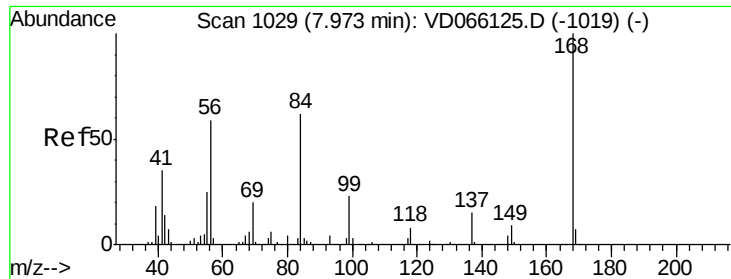
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD081020\
Data File : VD066170.D
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Quant Time: Aug 11 04:35:43 2020
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Quant Title : SW846 8260
QLast Update : Wed Aug 05 13:49:25 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. 0.00 min

Lab File: VD066170.D

Acq: 10 Aug 2020 17:53

Instrument :

MSVOA_D

ClientSampleId :

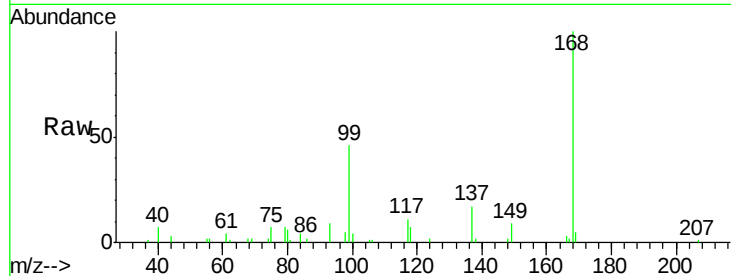
SB-2

Tot Ion:168 Resp: 41417

Ion Ratio Lower Upper

168 100

99 46.3 42.2 63.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V

7.97

20000

15000

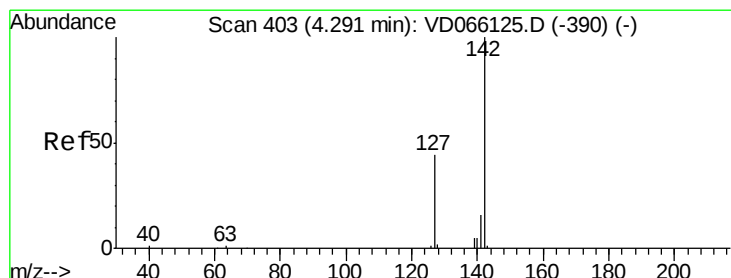
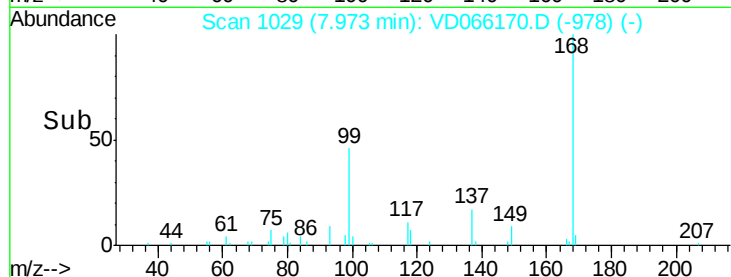
10000

5000

0

7.90 7.95 8.00 8.05

Time-->



#10

Methyl Iodide

Concen: 6.851 ug/l

RT: 4.33 min Scan# 409

Delta R.T. 0.04 min

Lab File: VD066170.D

Acq: 10 Aug 2020 17:53

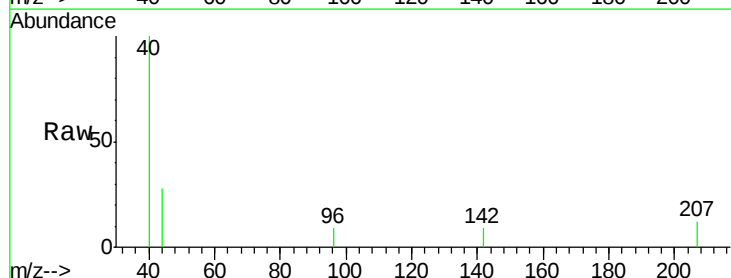
Tgt Ion:142 Resp: 57

Ion Ratio Lower Upper

142 100

127 0.0 36.2 54.4#

141 0.0 12.6 18.8#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

4.33

200

150

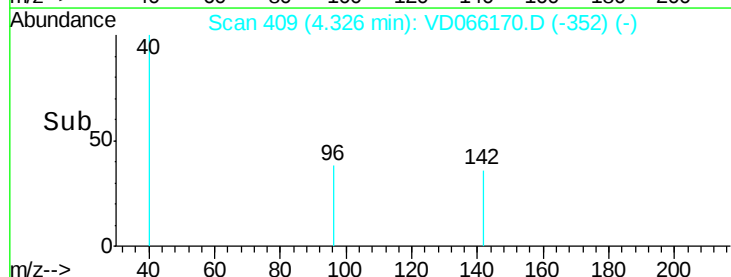
100

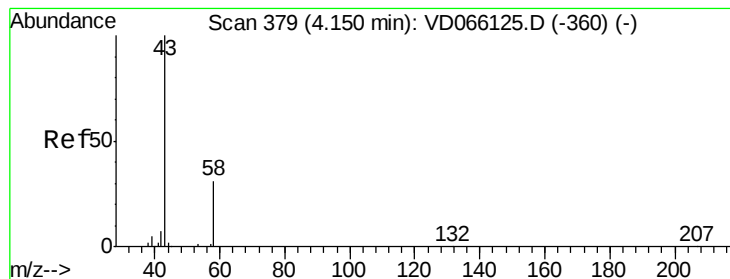
50

0

4.31 4.32 4.33 4.34

Time-->





#16

Acetone

Concen: 56.982 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD066170.D

Acq: 10 Aug 2020 17:53

Instrument :

MSVOA_D

ClientSampleId :

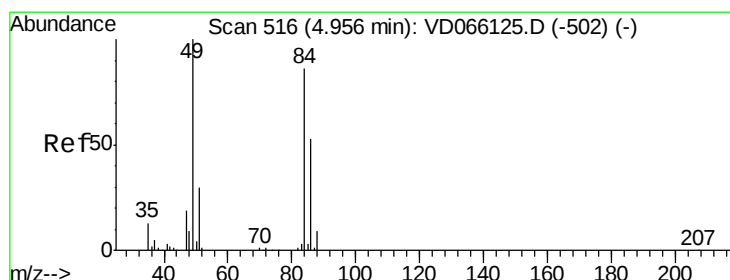
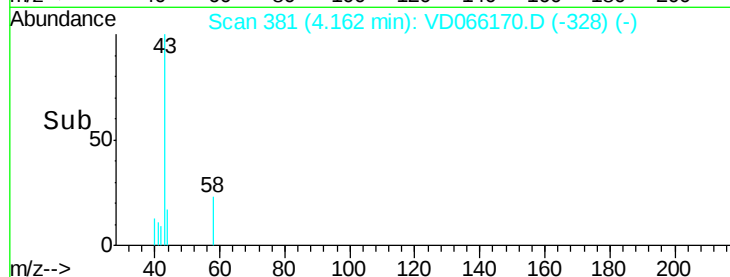
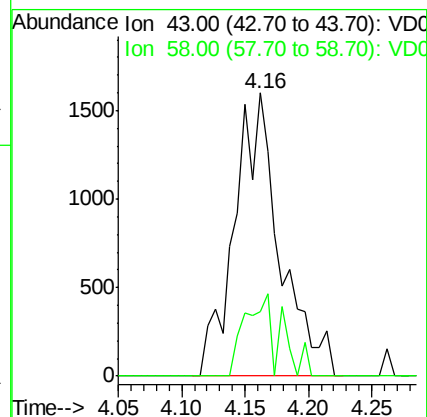
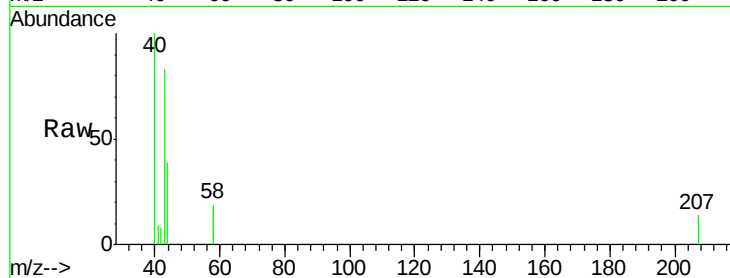
SB-2

Tot Ion: 43 Resp: 3995

Ion Ratio Lower Upper

43 100

58 22.9 24.7 37.1#



#20

Methylene Chloride

Concen: 2.117 ug/l

RT: 4.97 min Scan# 518

Delta R.T. 0.01 min

Lab File: VD066170.D

Acq: 10 Aug 2020 17:53

Tgt Ion: 84 Resp: 2651

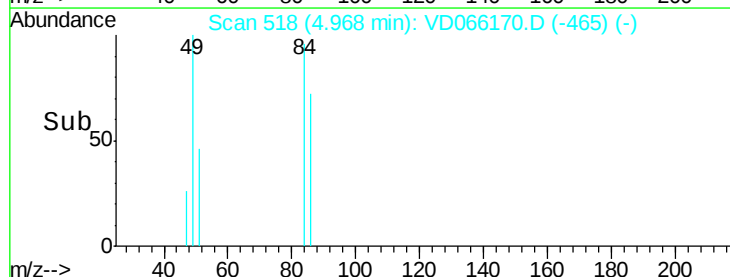
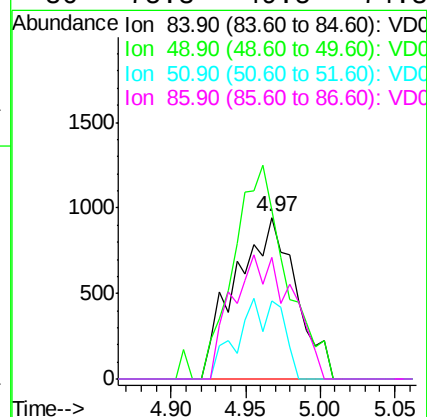
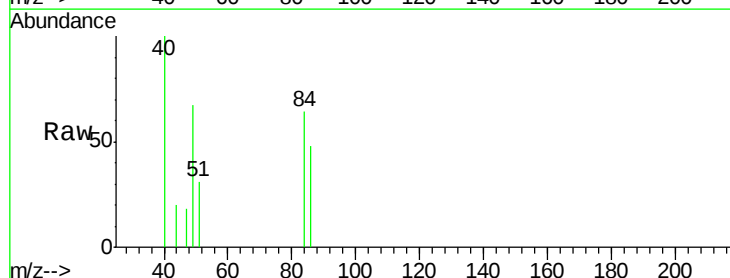
Ion Ratio Lower Upper

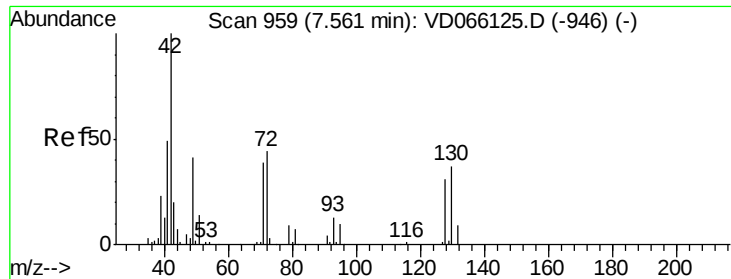
84 100

49 104.6 93.5 140.3

51 48.3 28.2 42.4#

86 75.3 49.5 74.3#

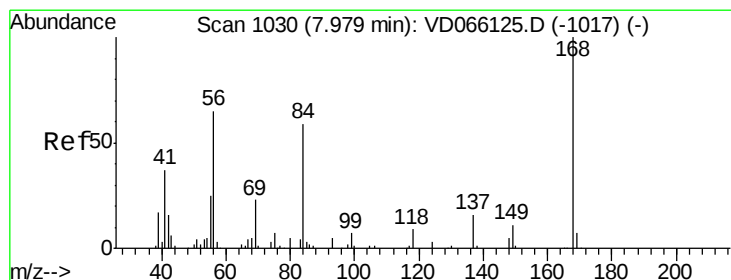
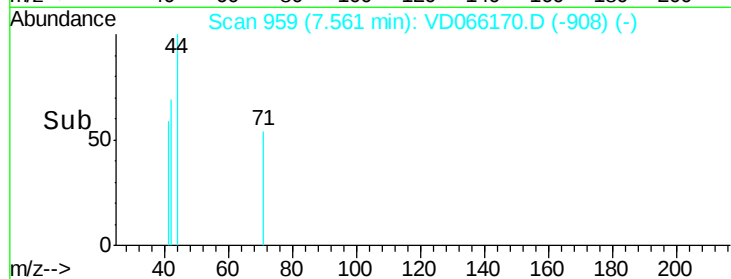
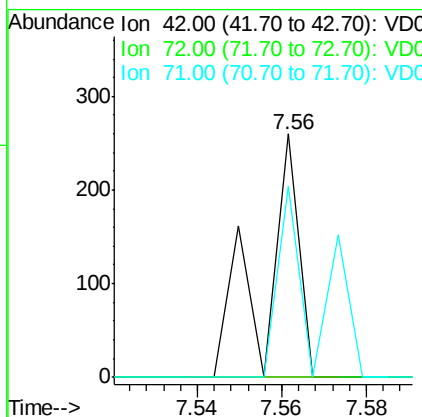
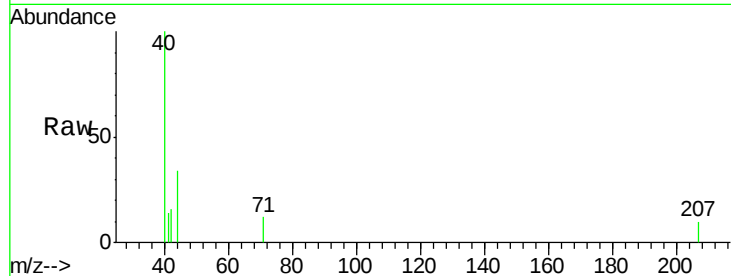




#29
Tetrahydrofuran
Concen: 2.332 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.00 min
Lab File: VD066170.D
Acq: 10 Aug 2020 17:53

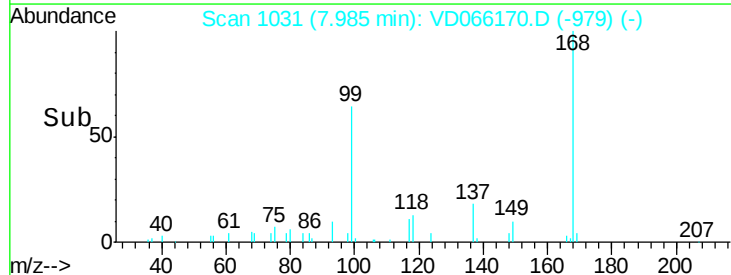
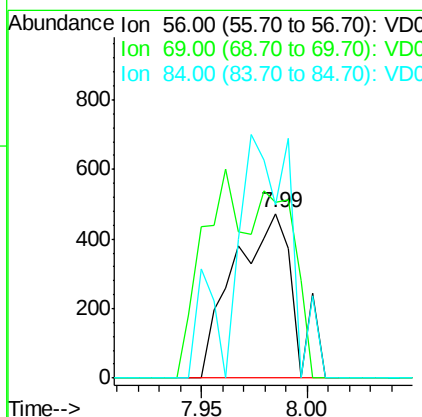
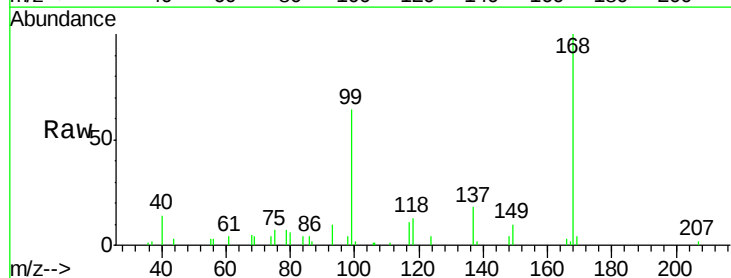
Instrument :
MSVOA_D
ClientSampleId :
SB-2

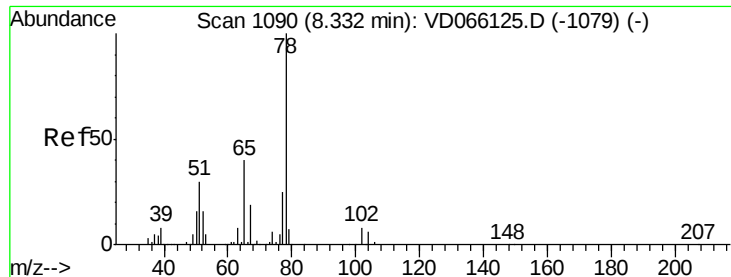
Tot Ion: 42 Resp: 149
Ion Ratio Lower Upper
42 100
72 0.0 34.8 52.2#
71 84.6 33.5 50.3#



#31
Cyclohexane
Concen: 1.449 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.01 min
Lab File: VD066170.D
Acq: 10 Aug 2020 17:53

Tgt Ion: 56 Resp: 938
Ion Ratio Lower Upper
56 100
69 107.2 28.8 43.2#
84 105.1 73.0 109.6





#33

1,2-Dichloroethane-d4

Concen: 71.404 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066170.D

Acq: 10 Aug 2020 17:53

Instrument :

MSVOA_D

ClientSampleId :

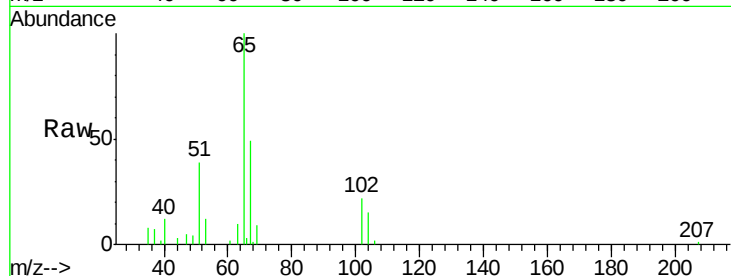
SB-2

Tot Ion: 65 Resp: 26384

Ion Ratio Lower Upper

65 100

67 49.8 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

12000

10000

8000

6000

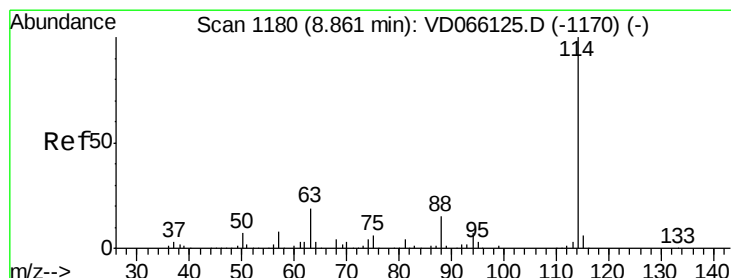
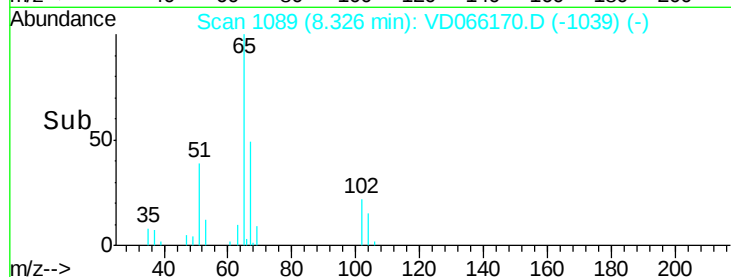
4000

2000

0

8.25 8.30 8.35 8.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD066170.D

Acq: 10 Aug 2020 17:53

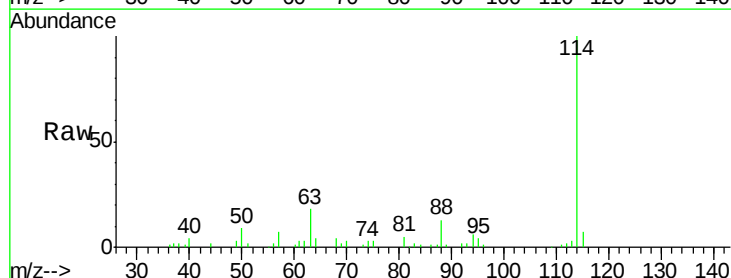
Tgt Ion: 114 Resp: 70992

Ion Ratio Lower Upper

114 100

63 18.3 0.0 38.6

88 13.5 0.0 30.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.86

40000

30000

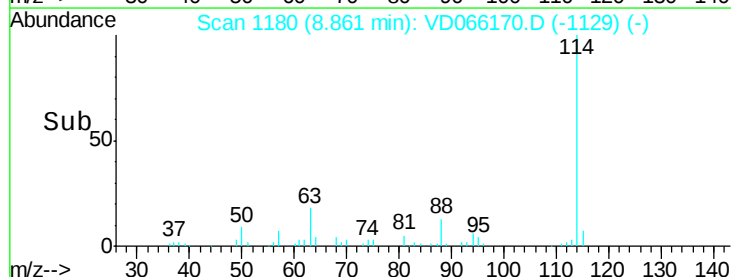
20000

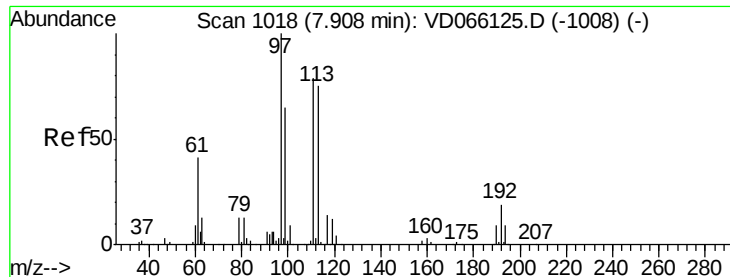
10000

0

8.75 8.80 8.85 8.90 8.95

Time-->





#35

Dibromofluoromethane

Concen: 54.960 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.01 min

Lab File: VD066170.D

Acq: 10 Aug 2020 17:53

Instrument :

MSVOA_D

ClientSampled :

SB-2

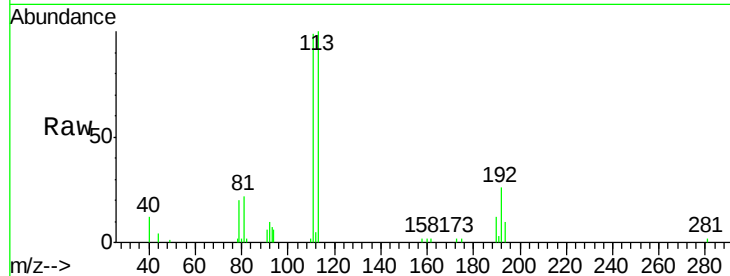
Tot Ion:113 Resp: 24717

Ion Ratio Lower Upper

113 100

111 101.9 80.7 121.1

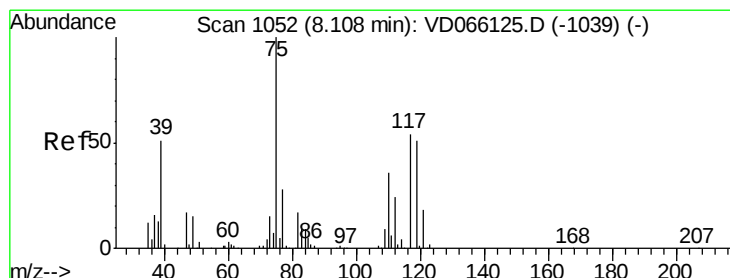
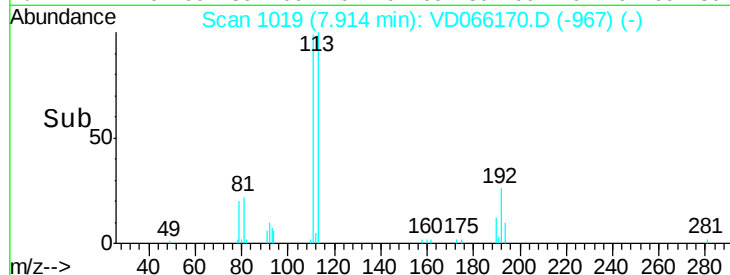
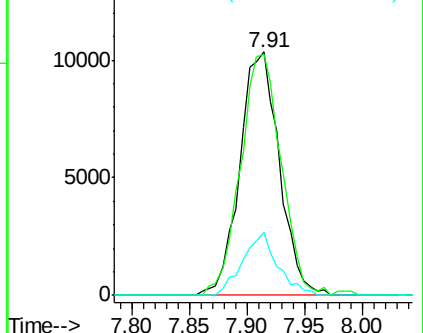
192 22.7 18.4 27.6



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



#36

1,1-Dichloropropene

Concen: 4.265 ug/l

RT: 7.96 min Scan# 1027

Delta R.T. -0.15 min

Lab File: VD066170.D

Acq: 10 Aug 2020 17:53

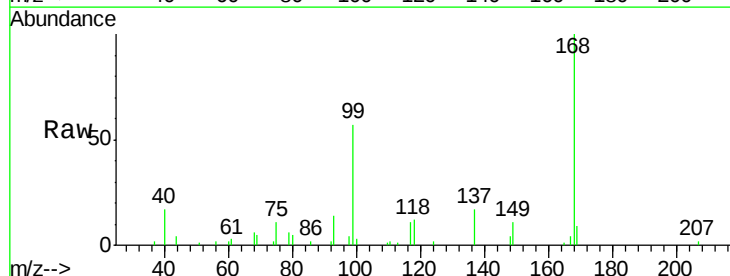
Tgt Ion: 75 Resp: 2845

Ion Ratio Lower Upper

75 100

110 1.9 18.8 56.3#

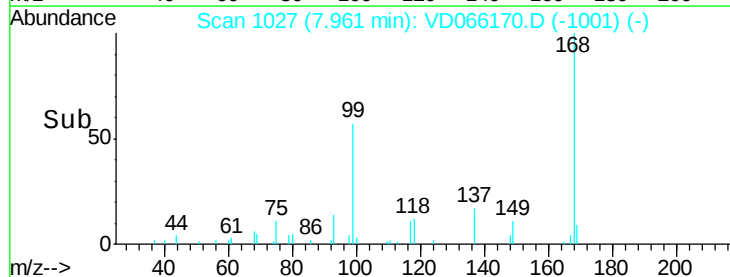
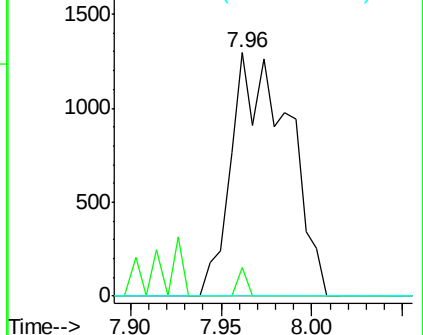
77 0.0 24.2 36.2#

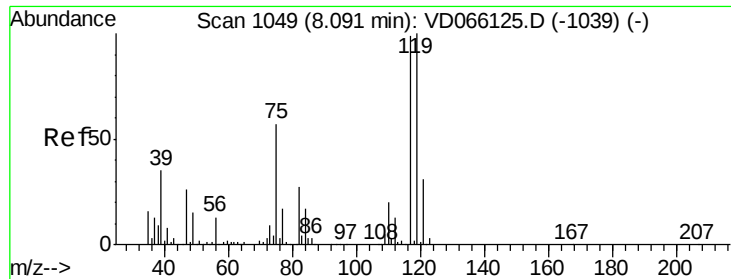


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VDC

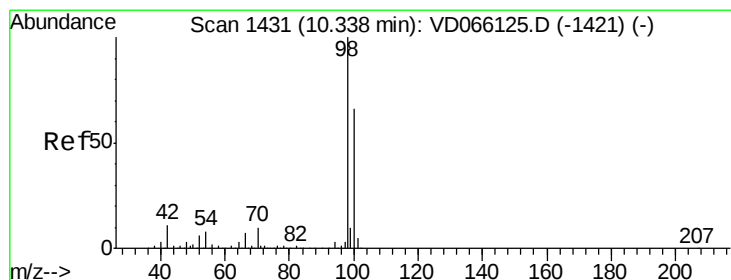
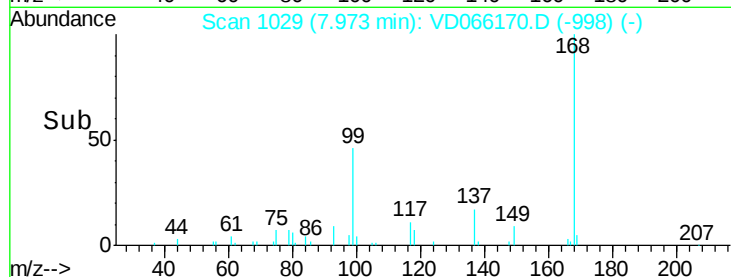
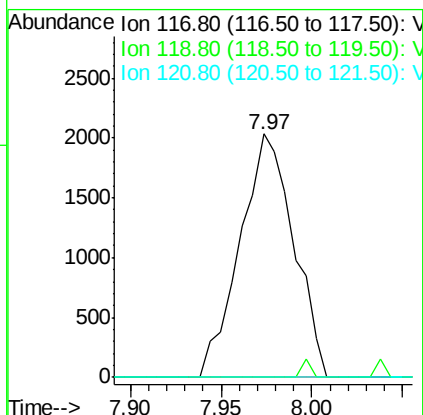
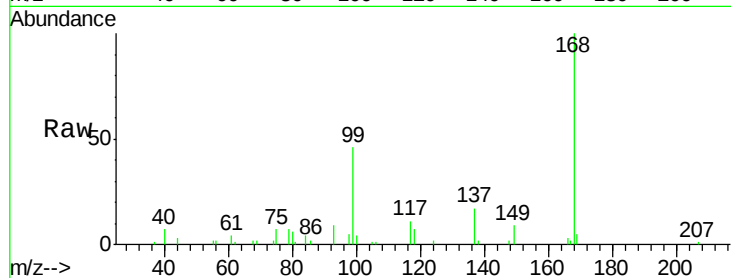




#38
Carbon Tetrachloride
Concen: 5.638 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.12 min
Lab File: VD066170.D
Acq: 10 Aug 2020 17:53

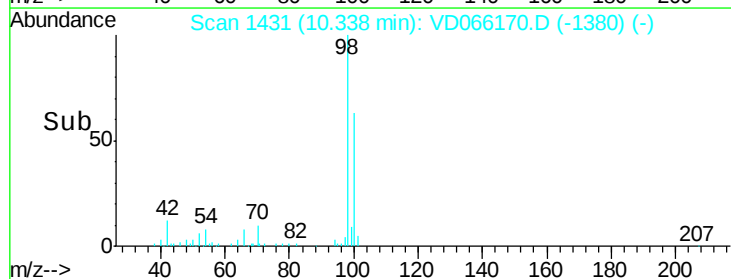
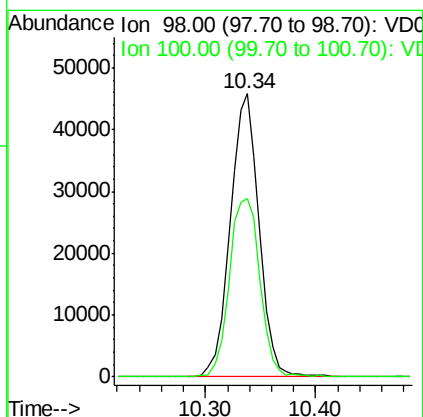
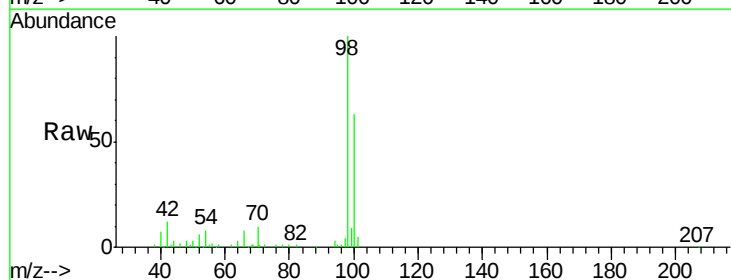
Instrument :
MSVOA_D
ClientSampled :
SB-2

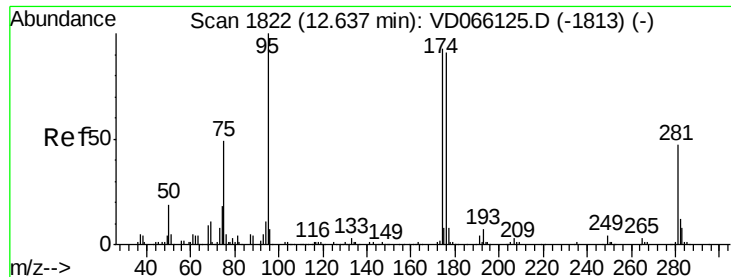
Tot Ion:117 Resp: 4194
Ion Ratio Lower Upper
117 100
119 0.0 81.0 121.4#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 50.366 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066170.D
Acq: 10 Aug 2020 17:53

Tgt Ion: 98 Resp: 83588
Ion Ratio Lower Upper
98 100
100 66.8 52.6 78.8

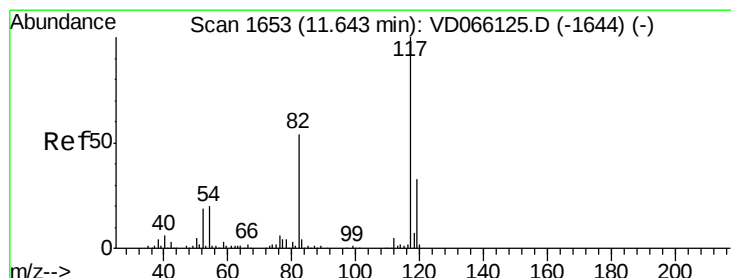
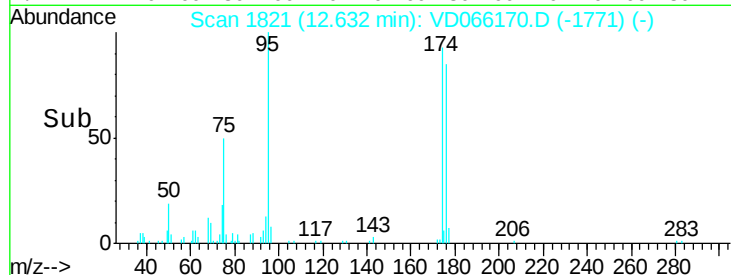
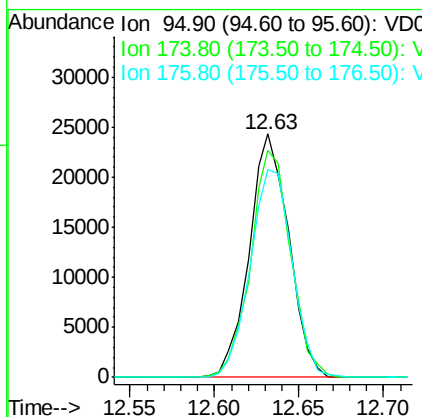
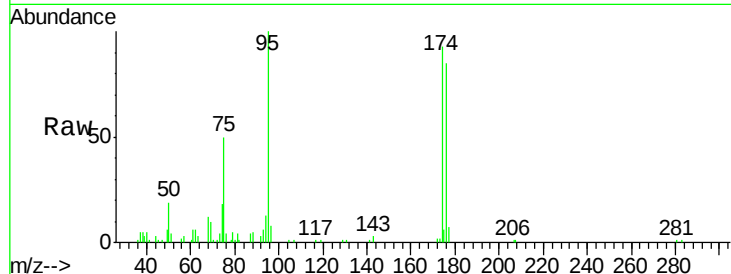




#62
4-Bromofluorobenzene
Concen: 66.143 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.01 min
Lab File: VD066170.D
Acq: 10 Aug 2020 17:53

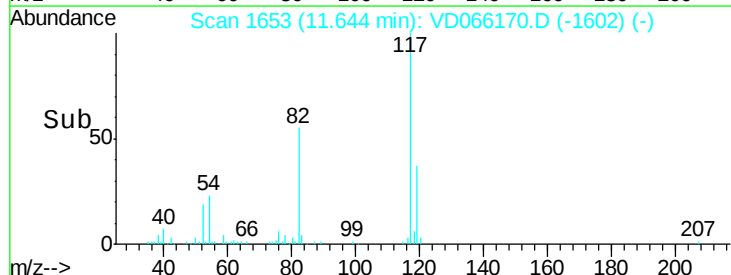
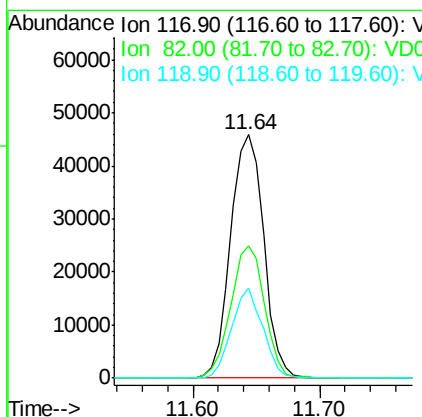
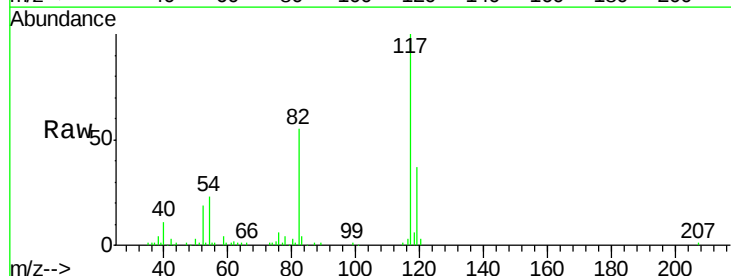
Instrument :
MSVOA_D
ClientSampleId :
SB-2

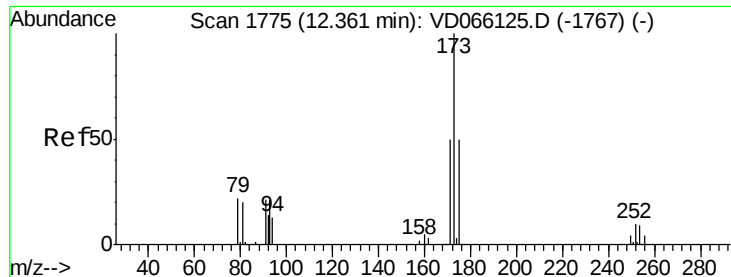
Tot Ion: 95 Resp: 39568
Ion Ratio Lower Upper
95 100
174 94.7 0.0 180.8
176 90.6 0.0 181.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066170.D
Acq: 10 Aug 2020 17:53

Tgt Ion: 117 Resp: 83137
Ion Ratio Lower Upper
117 100
82 54.5 43.0 64.4
119 37.0 26.1 39.1





#71

Bromoform

Concen: 1.421 ug/l

RT: 12.63 min Scan# 1820

Delta R.T. 0.26 min

Lab File: VD066170.D

Acq: 10 Aug 2020 17:53

Instrument :

MSVOA_D

ClientSampleId :

SB-2

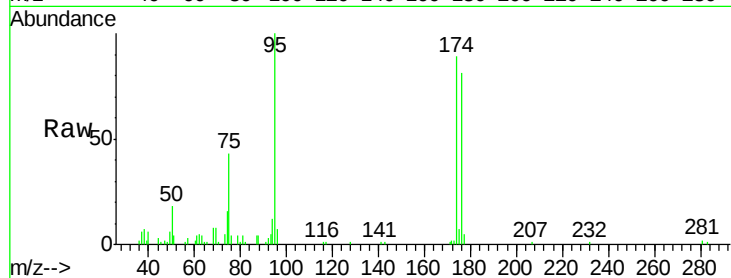
Tot Ion:173 Resp: 556

Ion Ratio Lower Upper

173 100

175 351.4 24.6 73.6#

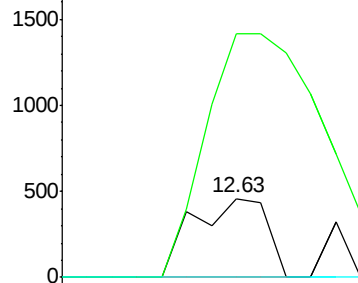
254 0.0 0.2 0.2#



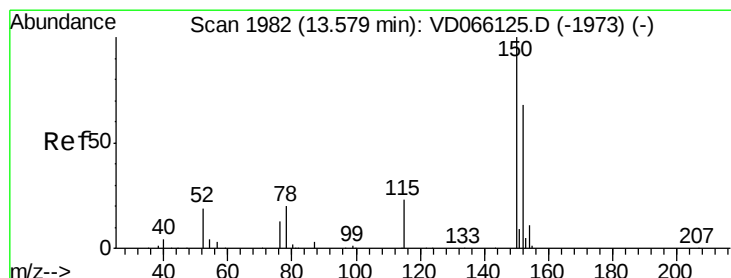
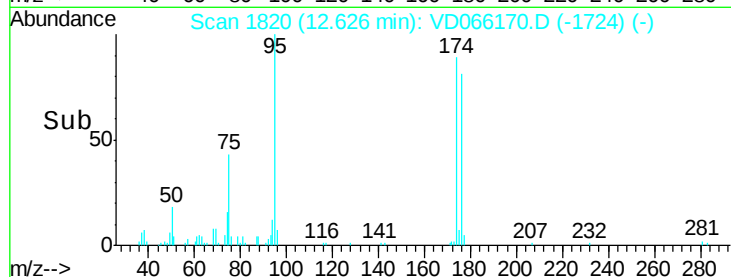
Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD066170.D

Acq: 10 Aug 2020 17:53

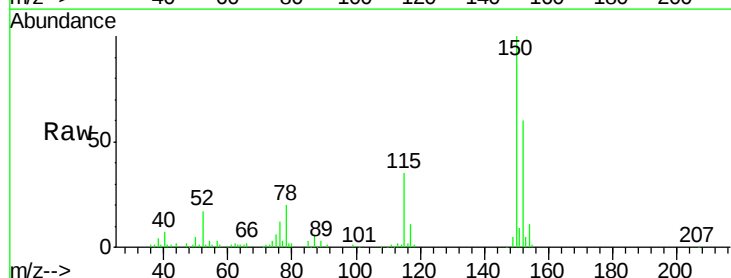
Tgt Ion:152 Resp: 47460

Ion Ratio Lower Upper

152 100

115 56.8 28.0 83.9

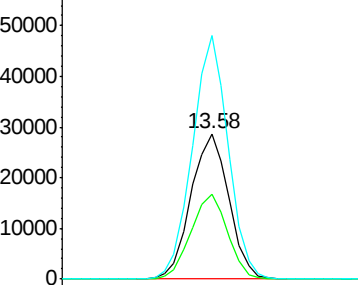
150 158.5 0.0 346.4



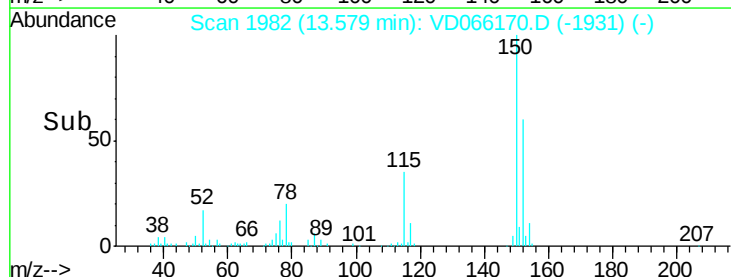
Abundance Ion 151.90 (151.60 to 152.60): V

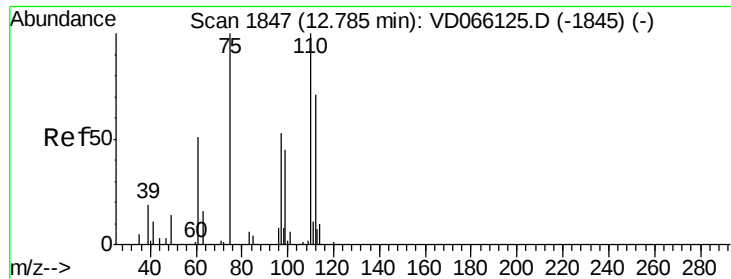
Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



Time-->





#76

1,2,3-Trichloropropane

Concen: 49.151 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066170.D

Acq: 10 Aug 2020 17:53

Instrument :

MSVOA_D

ClientSampleId :

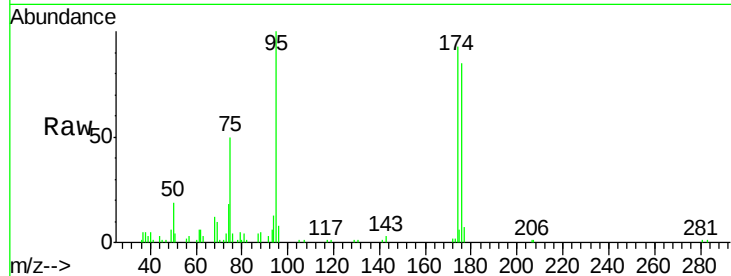
SB-2

Tot Ion: 75 Resp: 19453

Ion Ratio Lower Upper

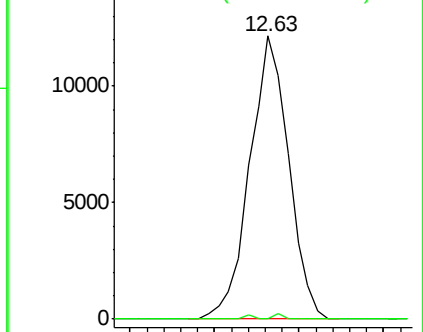
75 100

77 0.4 0.0 0.0#

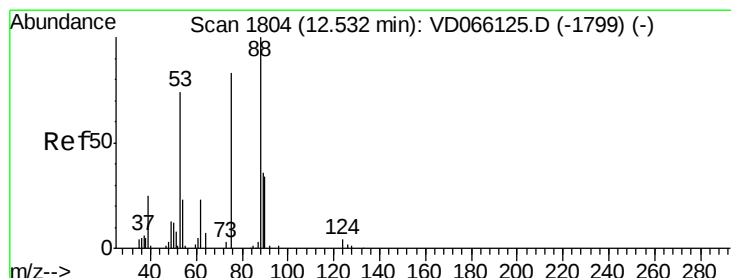
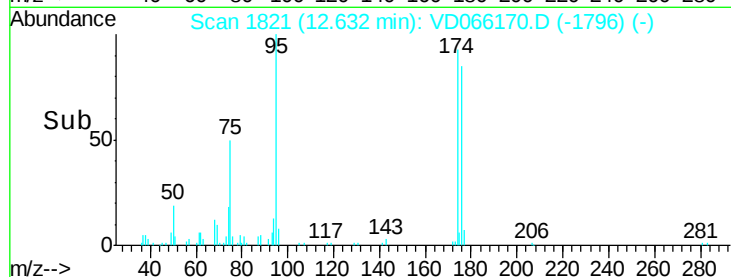


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC



Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 108.651 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066170.D

Acq: 10 Aug 2020 17:53

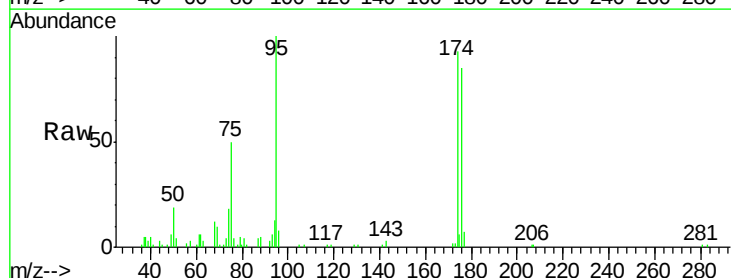
Tgt Ion: 75 Resp: 19453

Ion Ratio Lower Upper

75 100

53 0.0 73.4 110.2#

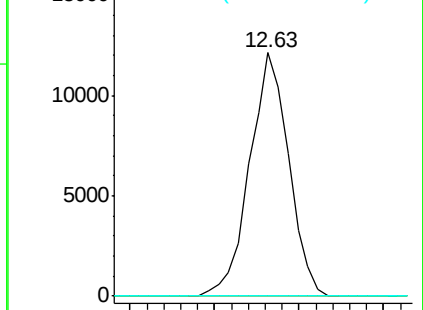
89 0.0 36.6 55.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



Time-->

