

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081920\
 Data File : VD066346.D
 Acq On : 20 Aug 2020 05:54
 Operator : VA/SY
 Sample : L3499-01
 Misc : 7.77G/5.00ml/MSVOA D/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 HD-01-081820

Quant Time: Aug 20 07:24:46 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	153392	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	237595	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	206764	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	87979	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	80661	58.94	ug/l	0.00
Spiked Amount			Recovery	=	117.88%	
35) Dibromofluoromethane	7.91	113	77114	51.23	ug/l	0.00
Spiked Amount			Recovery	=	102.46%	
50) Toluene-d8	10.34	98	256792	46.23	ug/l	0.00
Spiked Amount			Recovery	=	92.46%	
62) 4-Bromofluorobenzene	12.64	95	82708	41.31	ug/l	0.00
Spiked Amount			Recovery	=	82.62%	

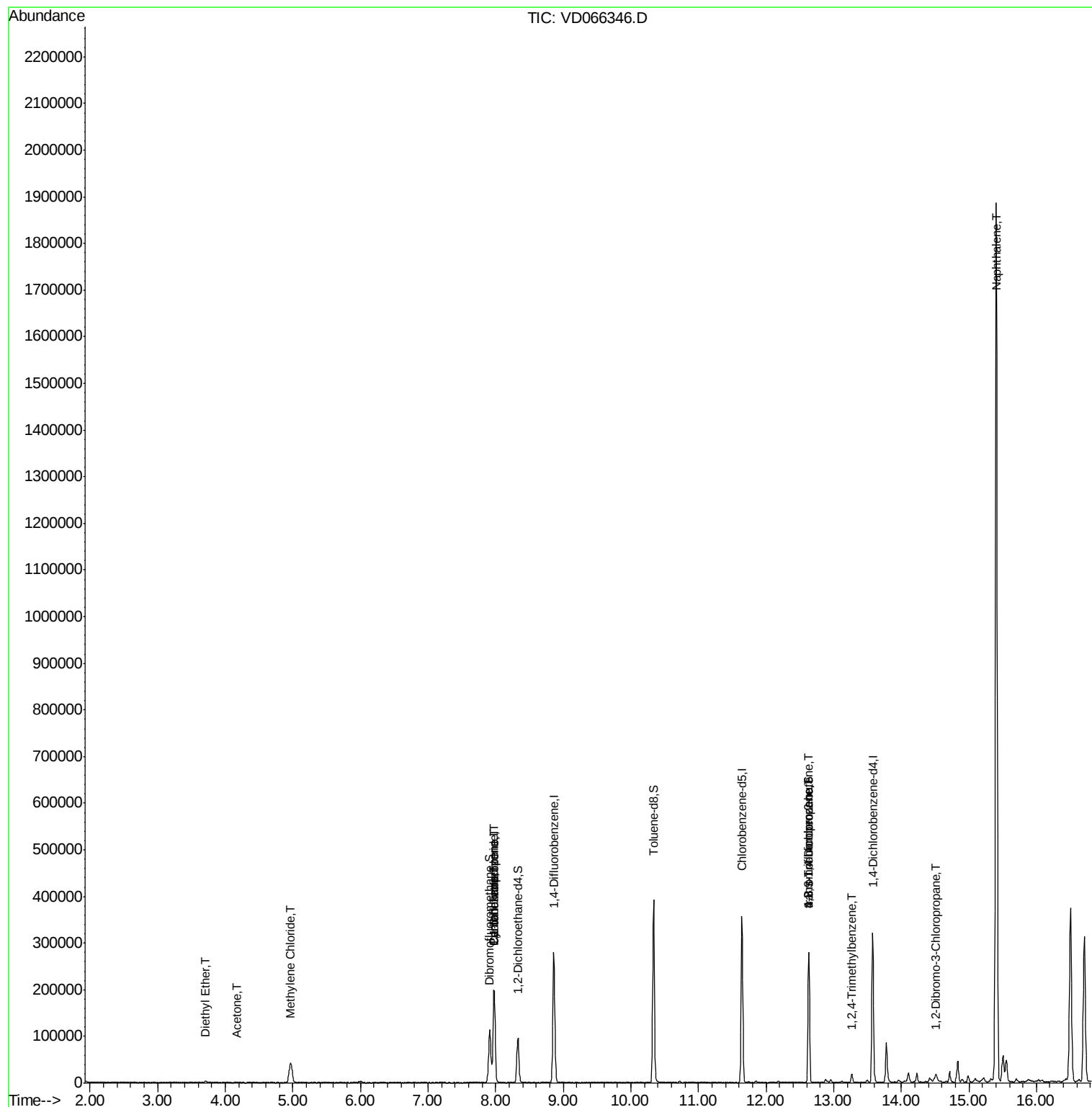
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.70	74	995	1.453	ug/l	93
16) Acetone	4.17	43	793	3.054	ug/l #	44
20) Methylene Chloride	4.96	84	33812	19.863	ug/l	97
31) Cyclohexane	7.98	56	3206	1.337	ug/l #	37
36) 1,1-Dichloropropene	7.98	75	10690	4.788	ug/l #	52
38) Carbon Tetrachloride	7.98	117	15177	6.096	ug/l #	13
76) 1,2,3-Trichloropropane	12.63	75	42626	58.099	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	42626	128.431	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.27	105	9262	1.884	ug/l	92
92) 1,2-Dibromo-3-Chloropropan	14.51	75	284	1.650	ug/l #	1
95) Naphthalene	15.41	128	1707449	565.884	ug/l	99

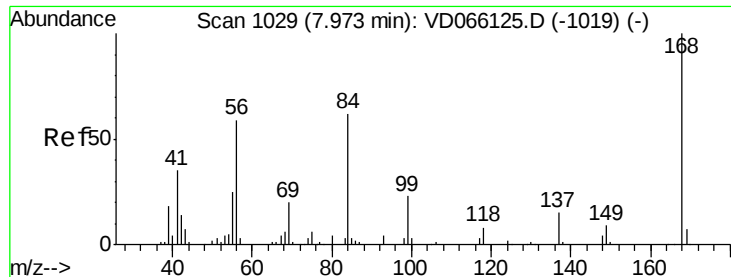
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 20 07:24:46 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: VD066346.D

Acq: 20 Aug 2020 05:54

Instrument :

MSVOA_D

ClientSampleId :

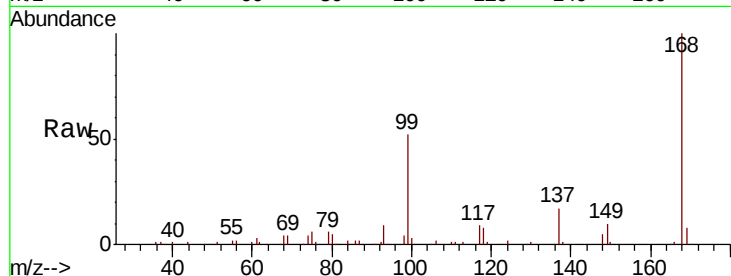
HD-01-081820

Tot Ion:168 Resp: 153392

Ion Ratio Lower Upper

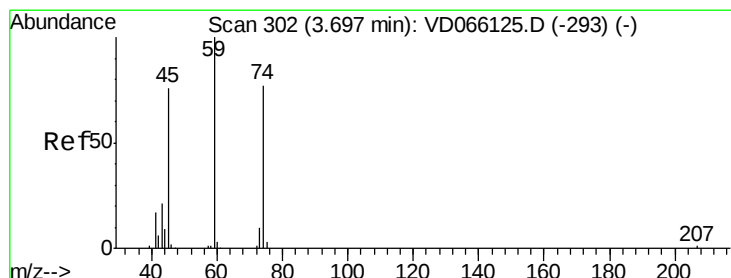
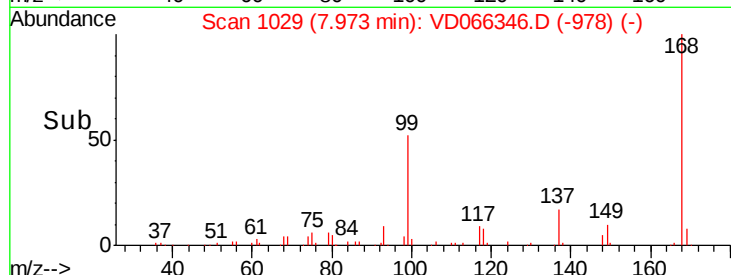
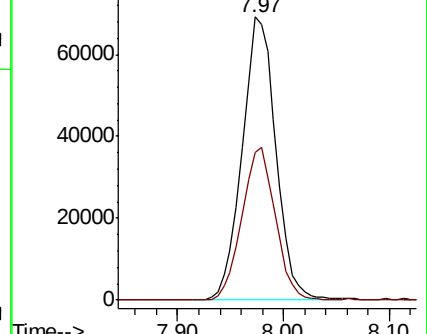
168 100

99 52.0 42.2 63.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#8

Diethyl Ether

Concen: 1.453 ug/l

RT: 3.70 min Scan# 303

Delta R.T. 0.01 min

Lab File: VD066346.D

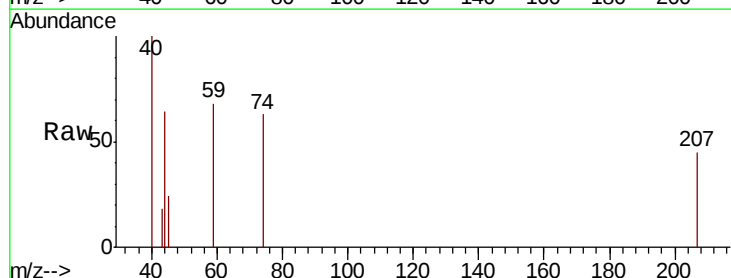
Acq: 20 Aug 2020 05:54

Tgt Ion: 74 Resp: 995

Ion Ratio Lower Upper

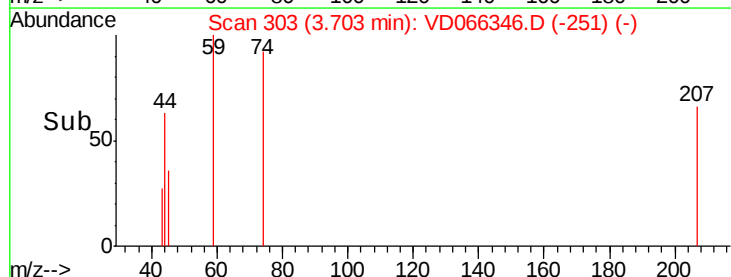
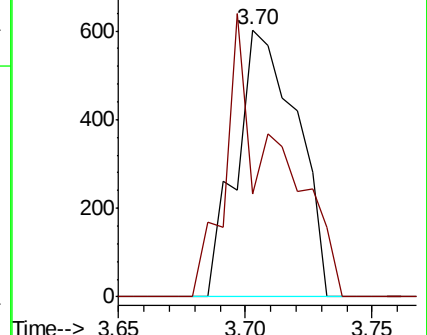
74 100

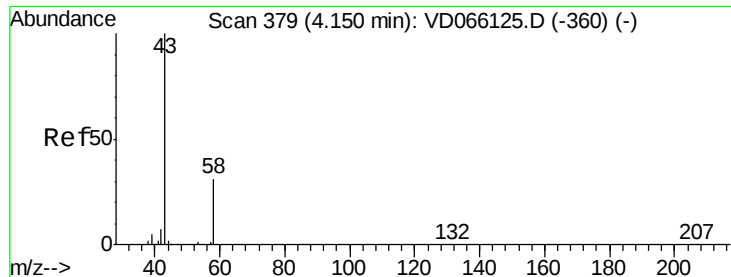
45 90.3 48.4 145.2



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC





#16

Acetone

Concen: 3.054 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.02 min

Lab File: VD066346.D

Acq: 20 Aug 2020 05:54

Instrument :

MSVOA_D

ClientSampleId :

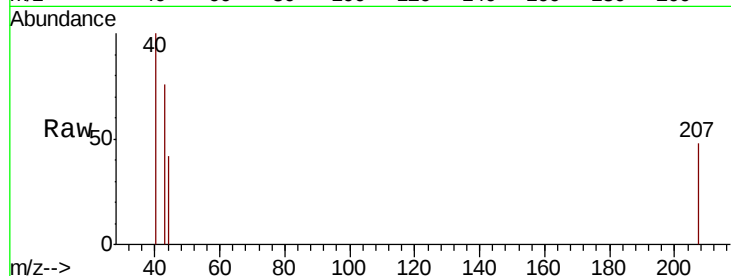
HD-01-081820

Tot Ion: 43 Resp: 793

Ion Ratio Lower Upper

43 100

58 0.0 24.7 37.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

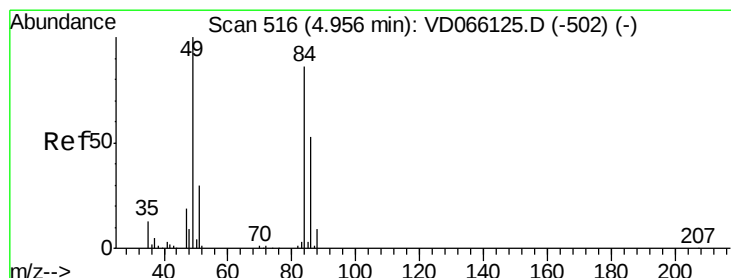
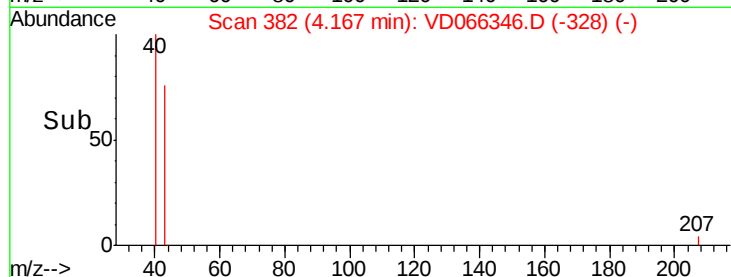
Ion 58.00 (57.70 to 58.70): VDC

4.17

4.15

4.20

Time-->



#20

Methylene Chloride

Concen: 19.863 ug/l

RT: 4.96 min Scan# 517

Delta R.T. 0.01 min

Lab File: VD066346.D

Acq: 20 Aug 2020 05:54

Tgt Ion: 84 Resp: 33812

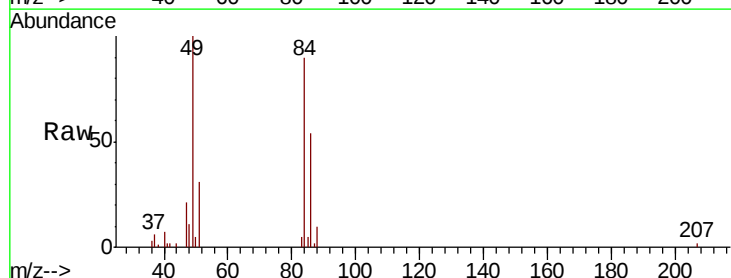
Ion Ratio Lower Upper

84 100

49 111.3 93.5 140.3

51 35.1 28.2 42.4

86 60.7 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

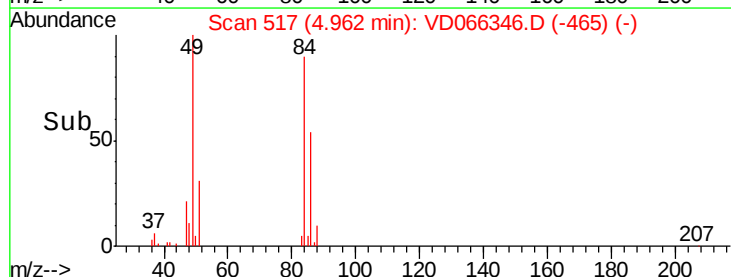
Ion 85.90 (85.60 to 86.60): VDC

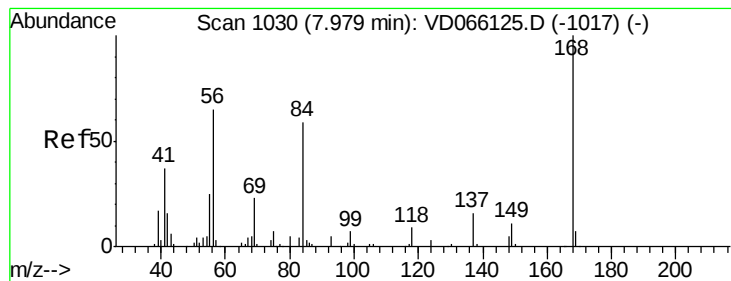
4.96

4.90

5.00

Time-->





#31

Cyclohexane

Concen: 1.337 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD066346.D

Acq: 20 Aug 2020 05:54

Instrument :

MSVOA_D

ClientSampleId :

HD-01-081820

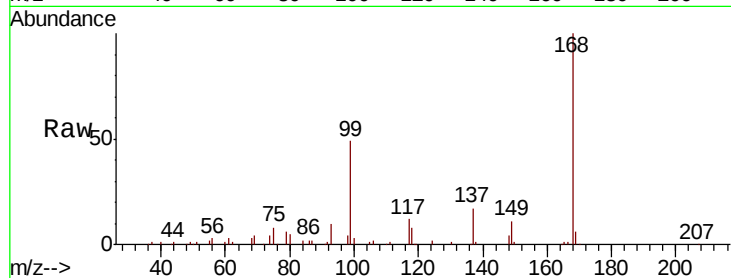
Tot Ion: 56 Resp: 3206

Ion Ratio Lower Upper

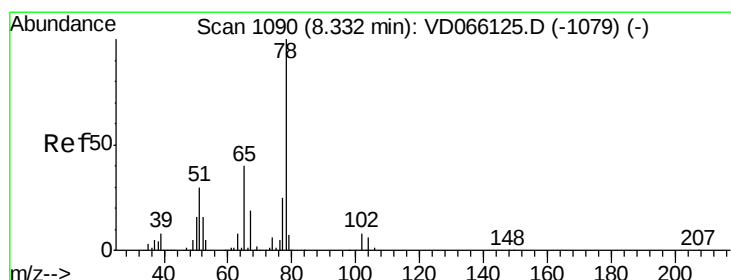
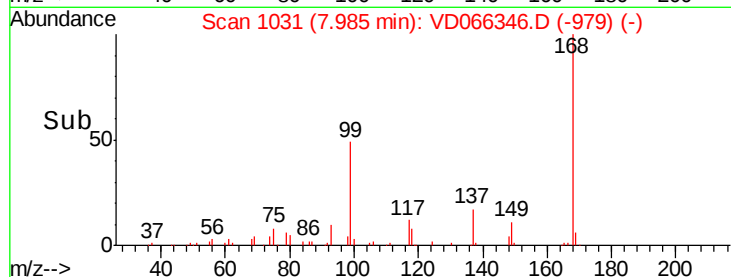
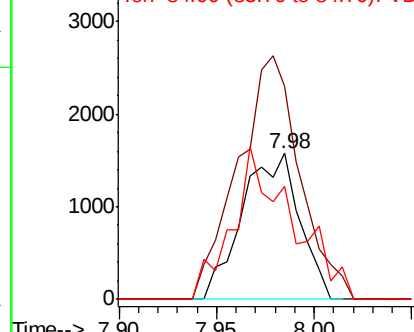
56 100

69 145.4 28.8 43.2#

84 77.4 73.0 109.6



Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC



#33

1,2-Dichloroethane-d4

Concen: 58.942 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066346.D

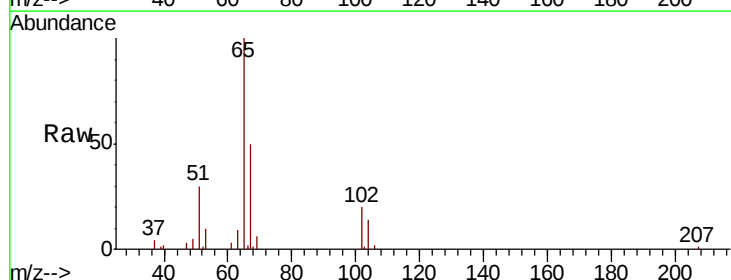
Acq: 20 Aug 2020 05:54

Tgt Ion: 65 Resp: 80661

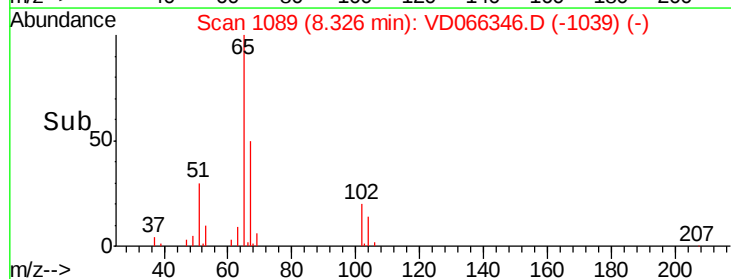
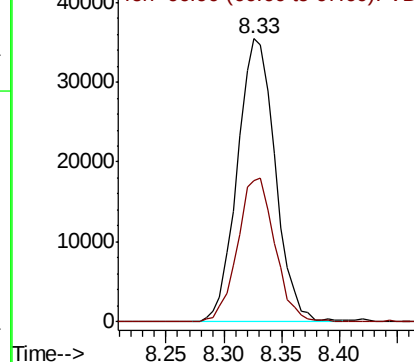
Ion Ratio Lower Upper

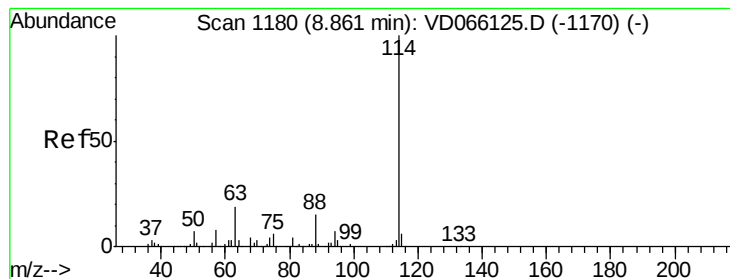
65 100

67 49.9 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: VD066346.D

Acq: 20 Aug 2020 05:54

Instrument :

MSVOA_D

ClientSampleId :

HD-01-081820

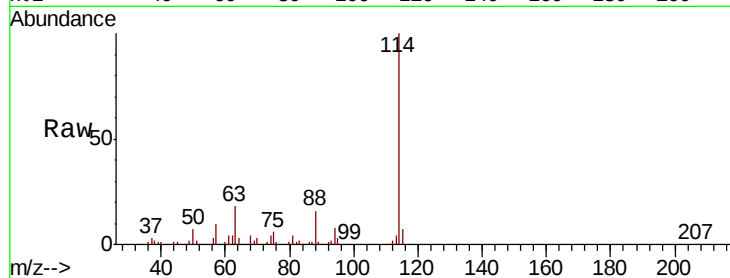
Tot Ion:114 Resp: 237595

Ion Ratio Lower Upper

114 100

63 18.3 0.0 38.6

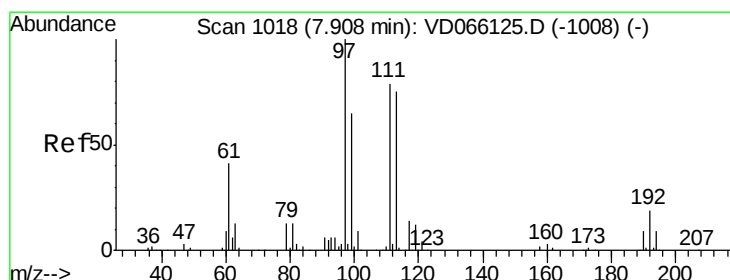
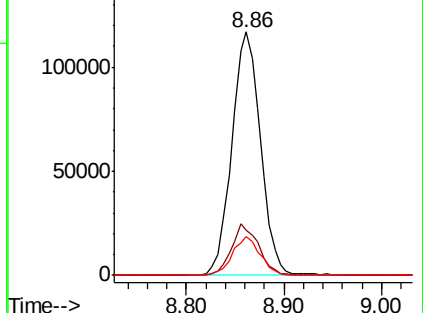
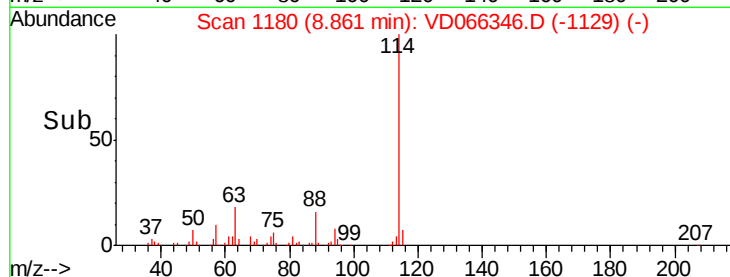
88 15.9 0.0 30.0



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: 51.234 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.01 min

Lab File: VD066346.D

Acq: 20 Aug 2020 05:54

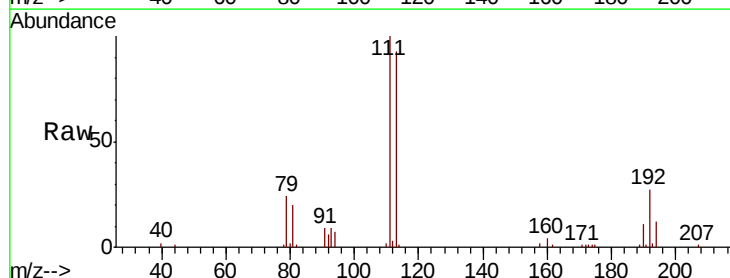
Tgt Ion:113 Resp: 77114

Ion Ratio Lower Upper

113 100

111 104.9 80.7 121.1

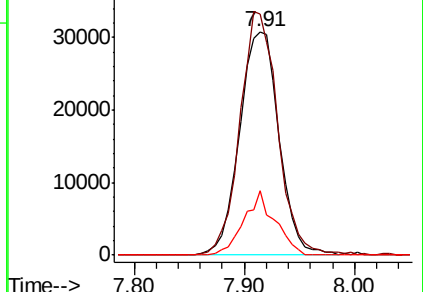
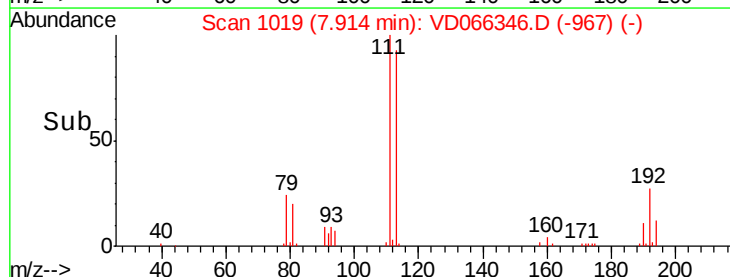
192 22.5 18.4 27.6

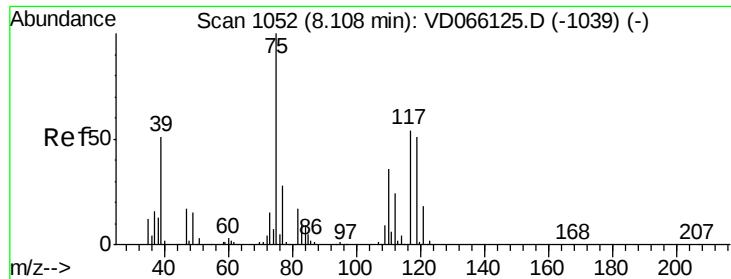


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

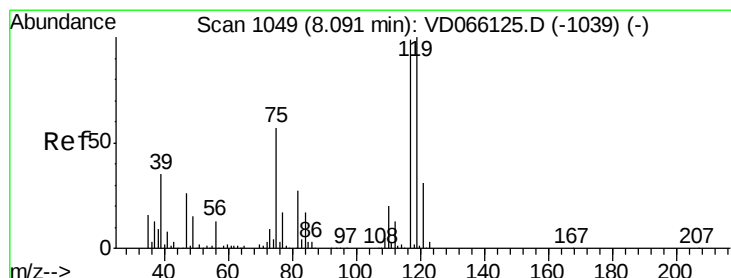
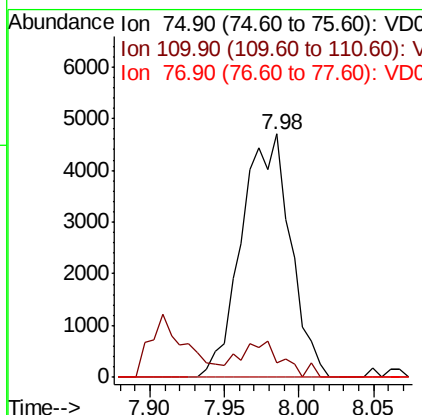
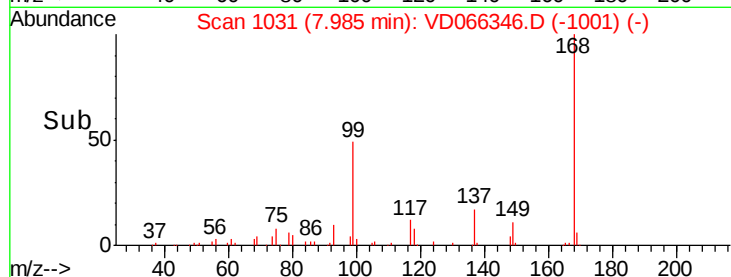
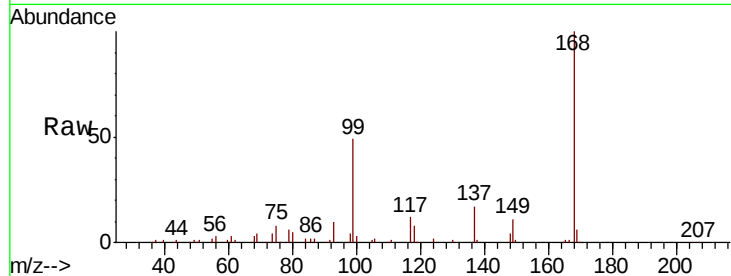




#36
 1,1-Dichloropropene
 Concen: 4.788 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.12 min
 Lab File: VD066346.D
 Acq: 20 Aug 2020 05:54

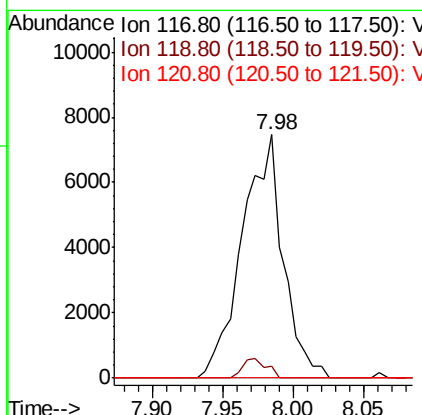
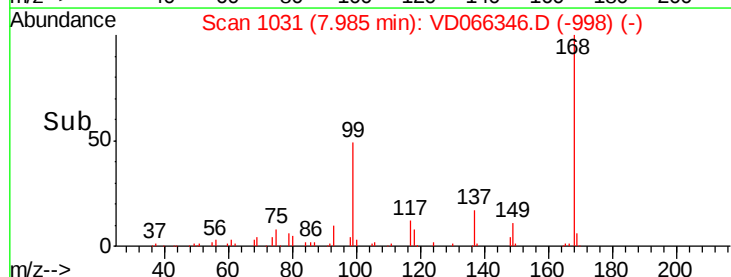
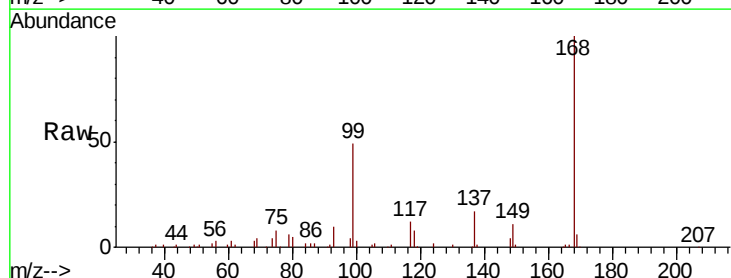
Instrument :
 MSVOA_D
 ClientSampleId :
 HD-01-081820

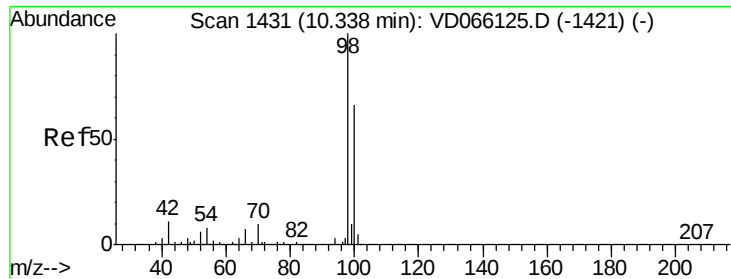
Tot Ion	Ratio	Lower	Upper
75	100		
110	12.9	18.8	56.3#
77	0.0	24.2	36.2#



#38
 Carbon Tetrachloride
 Concen: 6.096 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.11 min
 Lab File: VD066346.D
 Acq: 20 Aug 2020 05:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.6	81.0	121.4#
121	0.0	24.8	37.2#





#50

Toluene-d8

Concen: 46.233 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD066346.D

Acq: 20 Aug 2020 05:54

Instrument :

MSVOA_D

ClientSampleId :

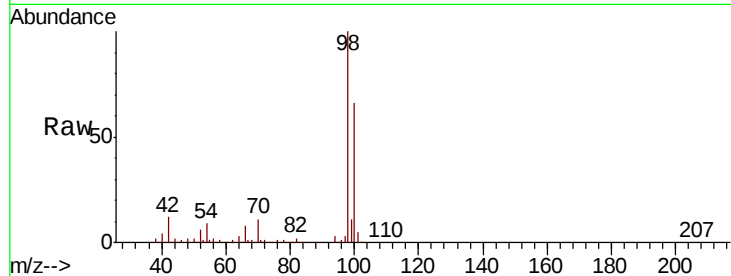
HD-01-081820

Tot Ion: 98 Resp: 256792

Ion Ratio Lower Upper

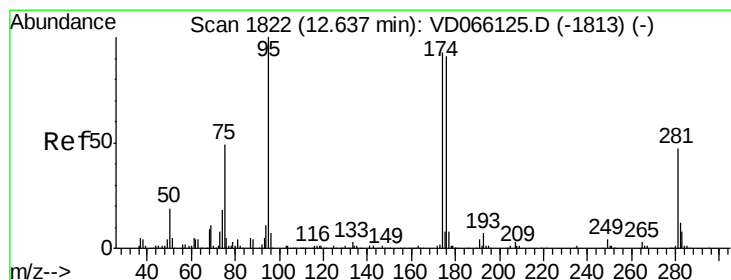
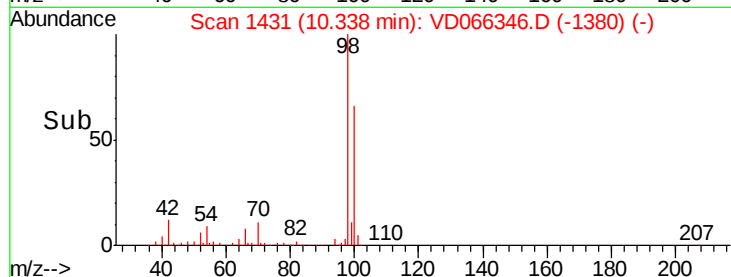
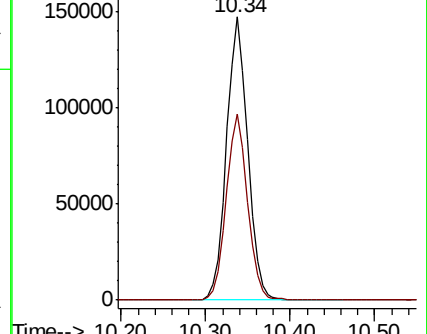
98 100

100 65.8 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC



#62

4-Bromofluorobenzene

Concen: 41.310 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD066346.D

Acq: 20 Aug 2020 05:54

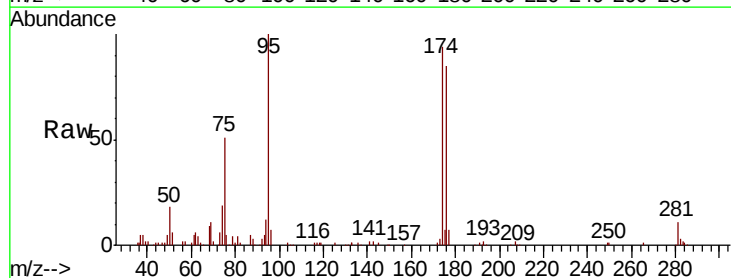
Tgt Ion: 95 Resp: 82708

Ion Ratio Lower Upper

95 100

174 91.2 0.0 180.8

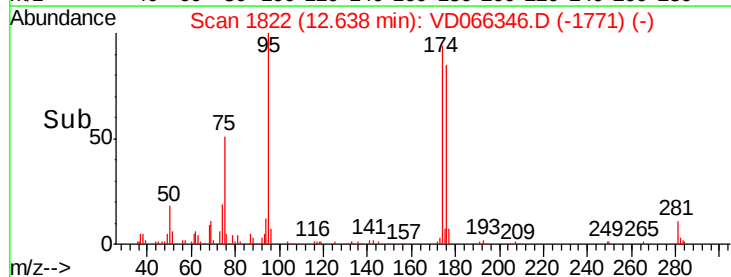
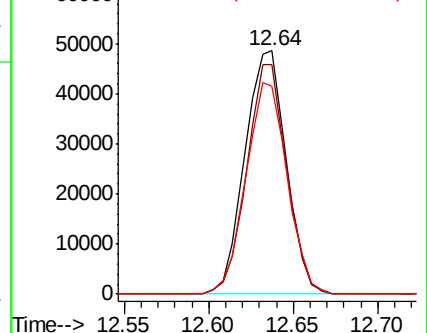
176 86.8 0.0 181.2

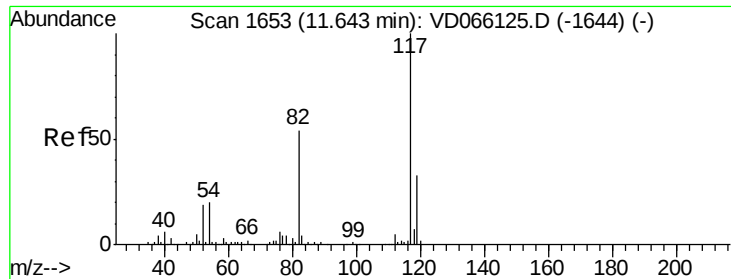


Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

Ion 175.80 (175.50 to 176.50): VDC

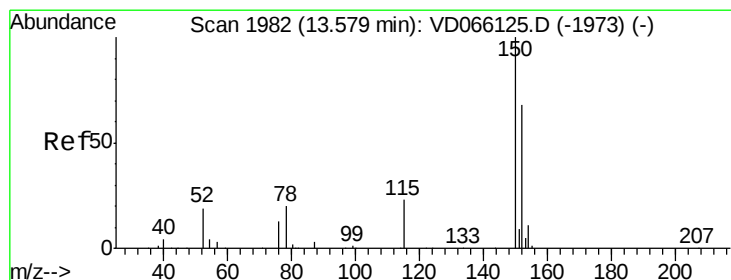
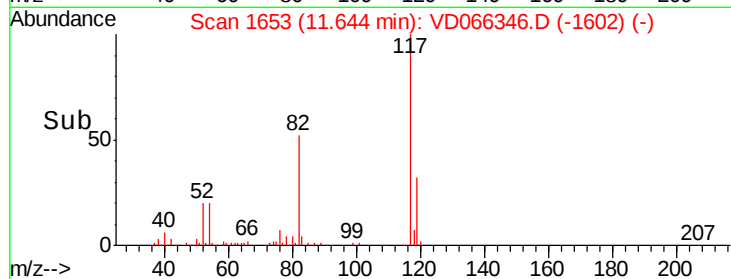
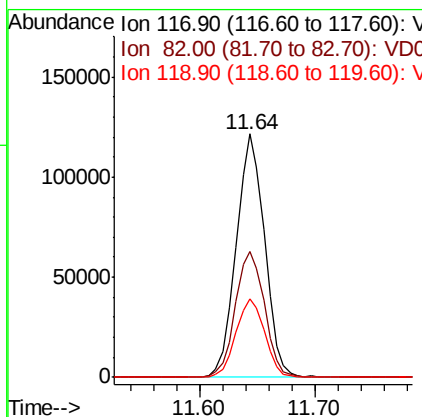
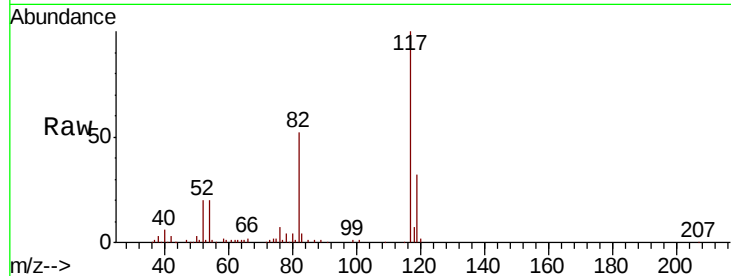




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066346.D
Acq: 20 Aug 2020 05:54

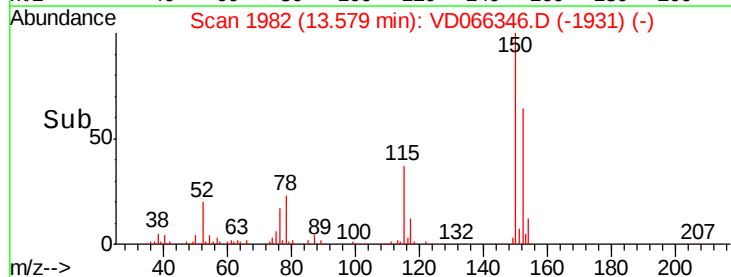
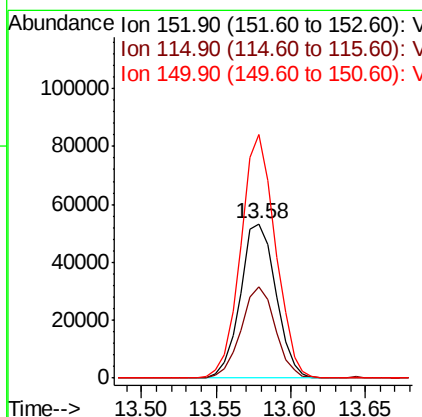
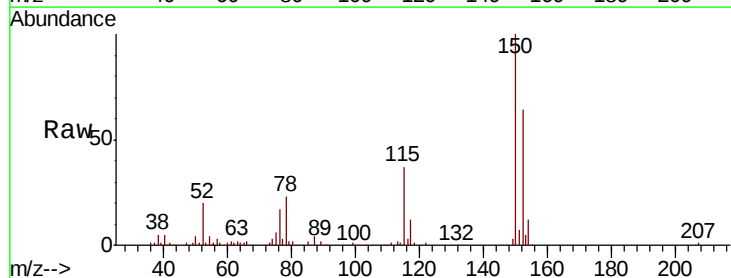
Instrument :
MSVOA_D
ClientSampleId :
HD-01-081820

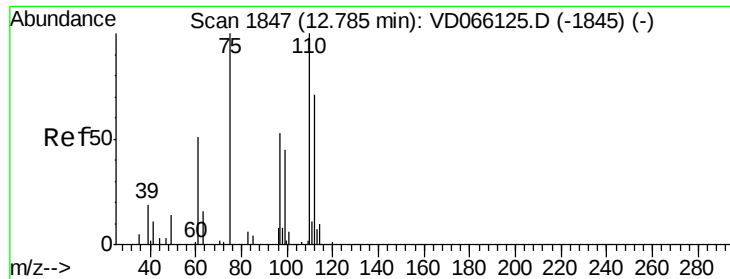
Tot Ion:117 Resp: 206764
Ion Ratio Lower Upper
117 100
82 51.6 43.0 64.4
119 32.5 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066346.D
Acq: 20 Aug 2020 05:54

Tgt Ion:152 Resp: 87979
Ion Ratio Lower Upper
152 100
115 57.2 28.0 83.9
150 153.6 0.0 346.4





#76

1,2,3-Trichloropropane

Concen: 58.099 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066346.D

Acq: 20 Aug 2020 05:54

Instrument :

MSVOA_D

ClientSampleId :

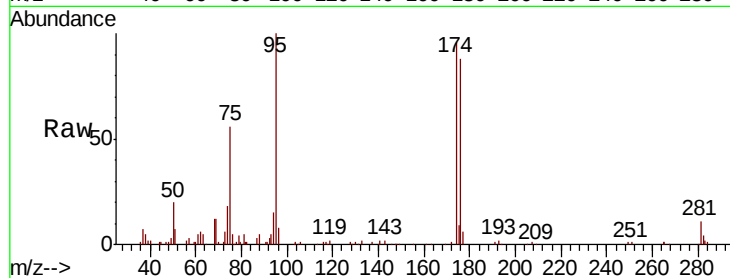
HD-01-081820

Tot Ion: 75 Resp: 42626

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

12.63

30000

25000

20000

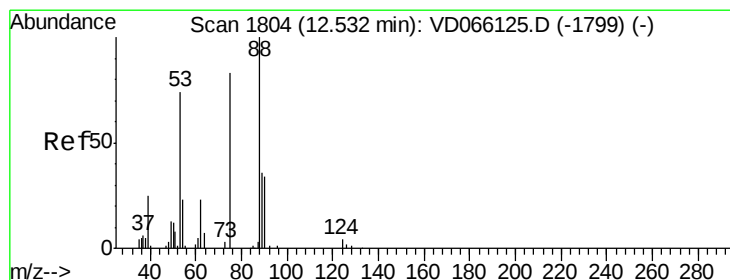
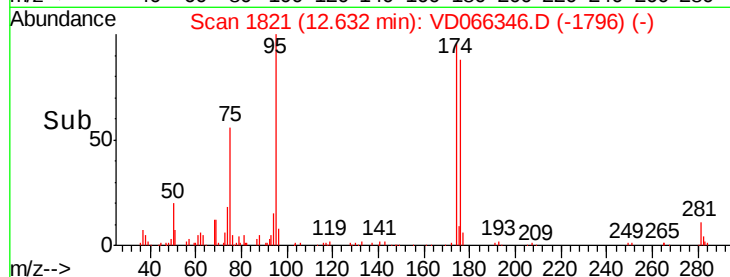
15000

10000

5000

0

Time--> 12.55 12.60 12.65 12.70



#81

trans-1,4-Dichloro-2-butene

Concen: 128.431 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066346.D

Acq: 20 Aug 2020 05:54

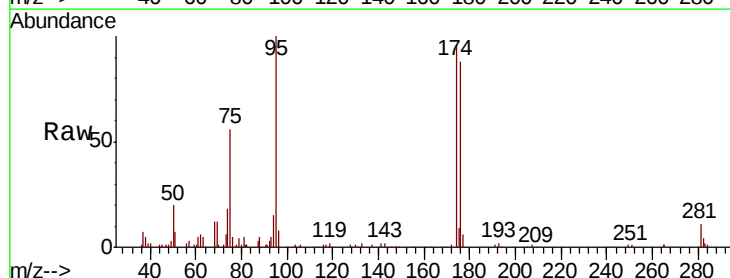
Tgt Ion: 75 Resp: 42626

Ion Ratio Lower Upper

75 100

53 0.0 73.4 110.2#

89 0.1 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

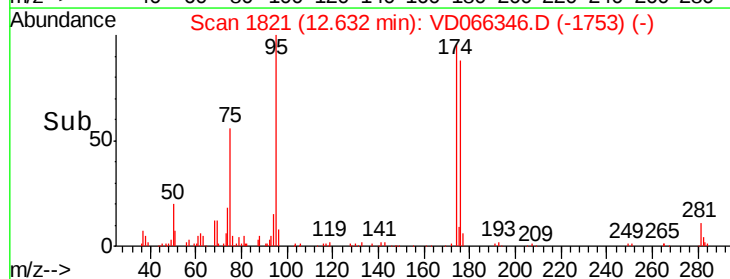
30000

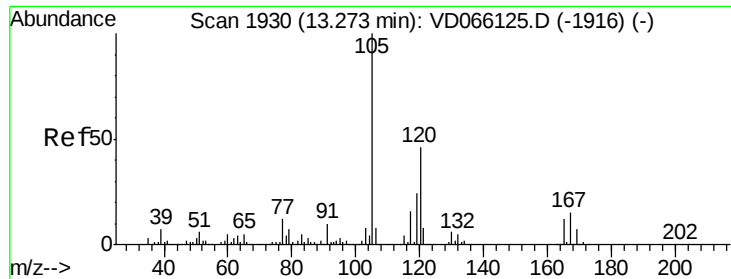
20000

10000

0

Time--> 12.55 12.60 12.65 12.70





#84

1,2,4-Trimethylbenzene

Concen: 1.884 ug/l

RT: 13.27 min Scan# 1929

Delta R.T. -0.01 min

Lab File: VD066346.D

Acq: 20 Aug 2020 05:54

Instrument :

MSVOA_D

ClientSampleId :

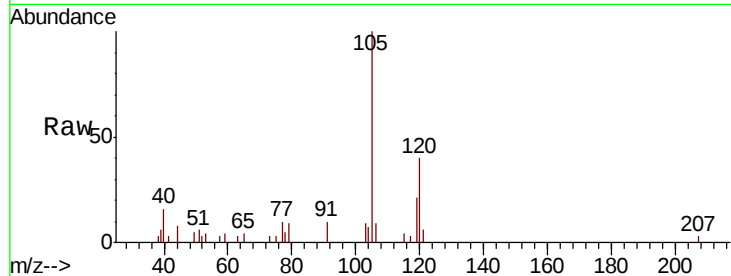
HD-01-081820

Tot Ion:105 Resp: 9262

Ion Ratio Lower Upper

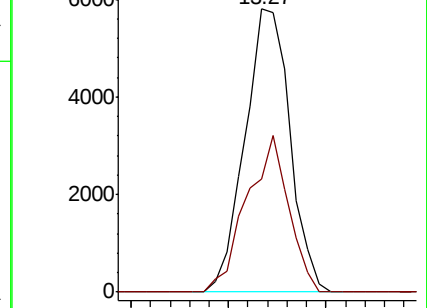
105 100

120 51.6 23.1 69.2

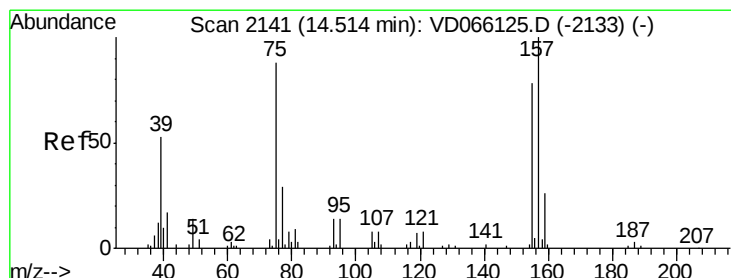
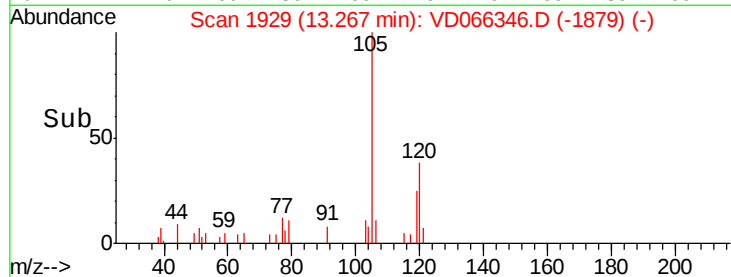


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time--> 13.20 13.25 13.30



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.650 ug/l

RT: 14.51 min Scan# 2141

Delta R.T. 0.00 min

Lab File: VD066346.D

Acq: 20 Aug 2020 05:54

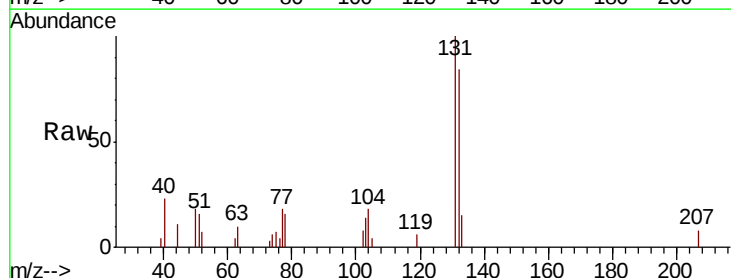
Tgt Ion: 75 Resp: 284

Ion Ratio Lower Upper

75 100

155 0.0 47.7 143.1#

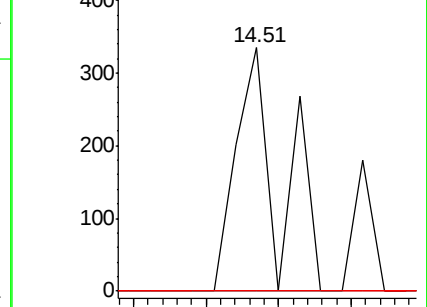
157 0.0 62.1 186.2#



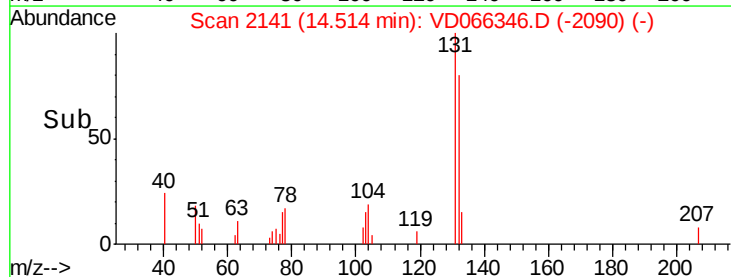
Abundance Ion 74.90 (74.60 to 75.60): V

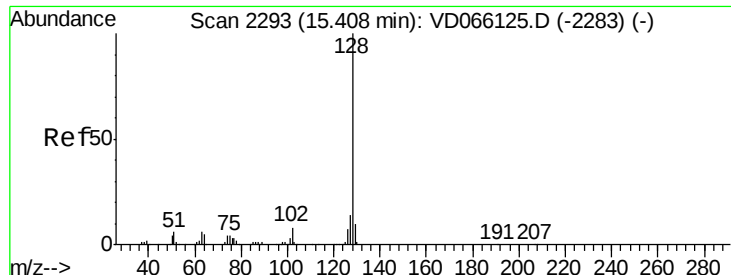
Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



Time--> 14.48 14.50 14.52 14.54





#95

Naphthalene

Concen: 565.884 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD066346.D

Acq: 20 Aug 2020 05:54

Instrument :

MSVOA_D

ClientSampleId :

HD-01-081820

Tot Ion:128 Resp: 1707449

Ion Ratio Lower Upper

128 100

127 13.4 11.0 16.4

129 10.9 8.8 13.2

