

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090920\
 Data File : VD066604.D
 Acq On : 10 Sep 2020 02:38
 Operator : VA/SY
 Sample : L3929-01
 Misc : 7.69G/5.00ml/MSVOA D/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 LG-STOCK

Quant Time: Sep 10 03:41:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 04 01:57:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	329130	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	652650	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	622219	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	265281	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	246426	61.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	123.76%	
35) Dibromofluoromethane	7.91	113	227146	51.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.18%	
50) Toluene-d8	10.34	98	812861	51.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.30%	
62) 4-Bromofluorobenzene	12.63	95	276697	53.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.06%	

Target Compounds

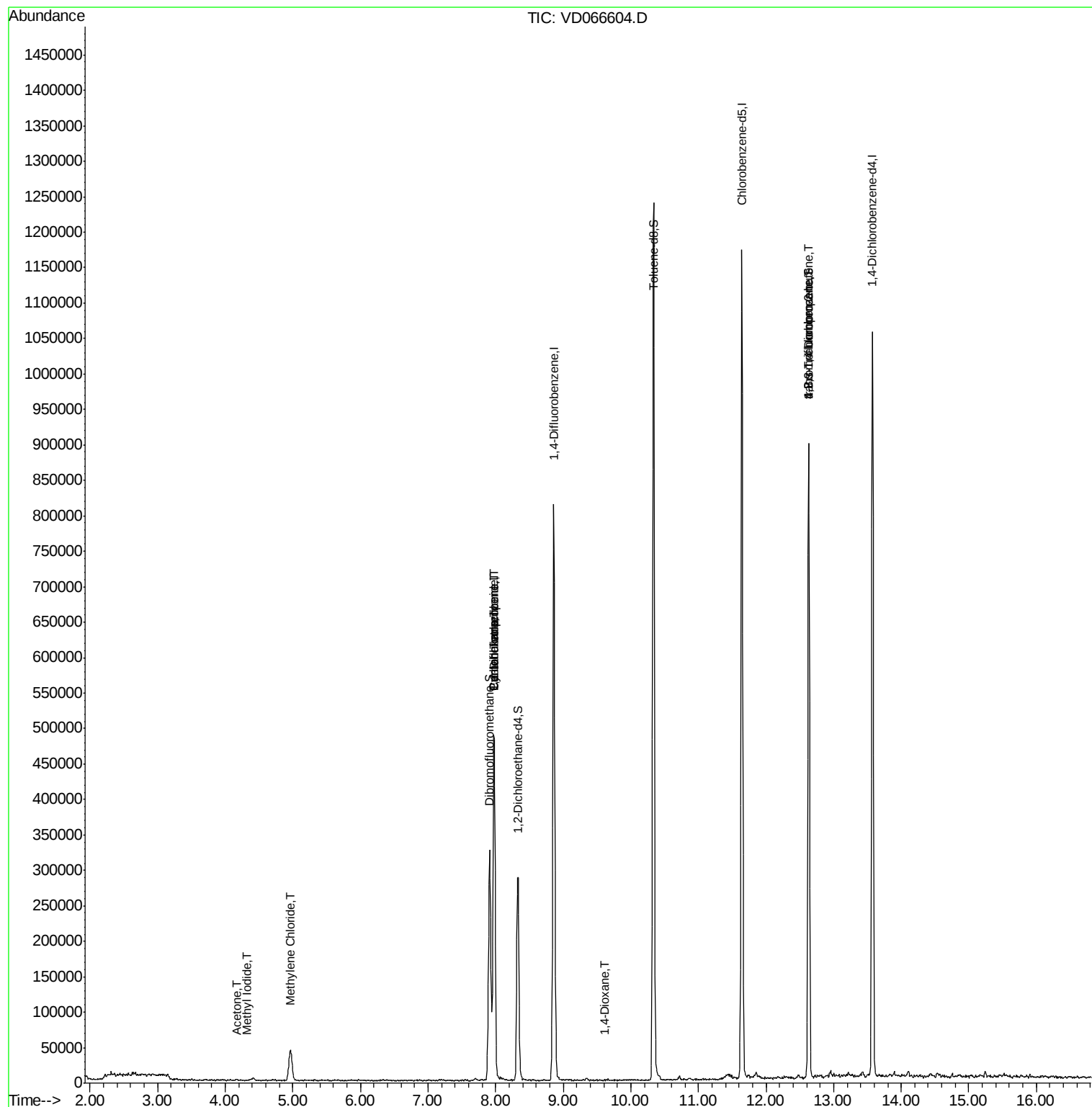
						Qvalue
2) Dichlorodifluoromethane	1.99	85	600	Below Cal	#	46
5) Bromomethane	2.77	94	927	Below Cal	#	74
10) Methyl Iodide	4.31	142	58	4.039	ug/l #	35
11) Tert butyl alcohol	5.47	59	77	Below Cal	#	74
16) Acetone	4.17	43	1533	2.092	ug/l #	15
20) Methylene Chloride	4.97	84	33647	2.084	ug/l	96
31) Cyclohexane	7.98	56	9366	1.442	ug/l #	15
36) 1,1-Dichloropropene	7.97	75	30474	4.487	ug/l #	52
38) Carbon Tetrachloride	7.97	117	36163	5.037	ug/l #	20
49) 1,4-Dioxane	9.61	88	92	3.249	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	156787	61.454	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	156787	143.473	ug/l #	7

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

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Quant Title : SW846 8260
QLast Update : Fri Sep 04 01:57:04 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD066604.D

Acq: 10 Sep 2020 02:38

Instrument :

MSVOA_D

ClientSampleId :

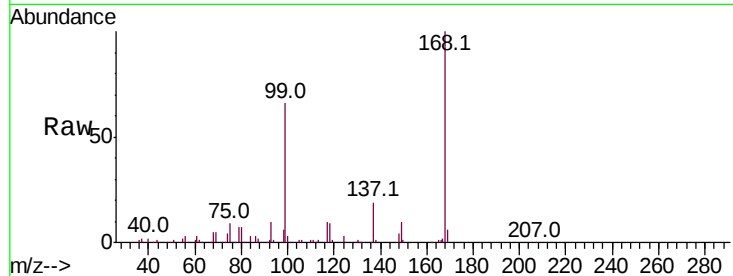
LG-STOCK

Tot Ion:168 Resp: 329130

Ion Ratio Lower Upper

168 100

99 65.8 50.5 75.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

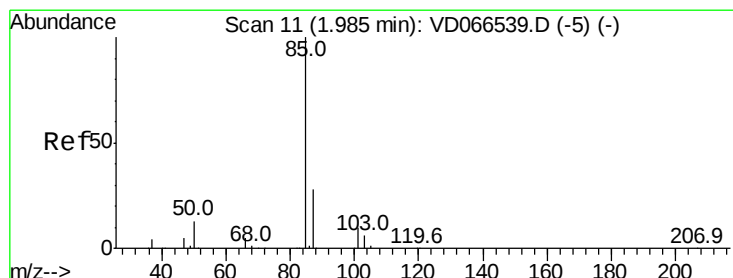
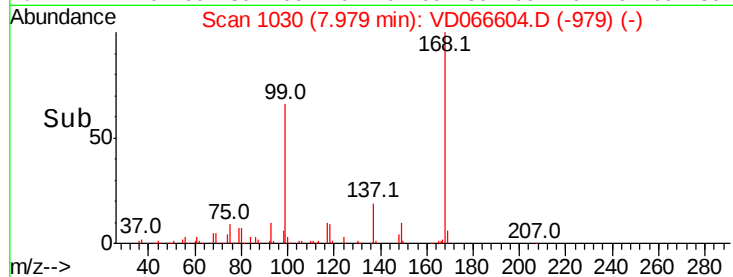
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066604.D

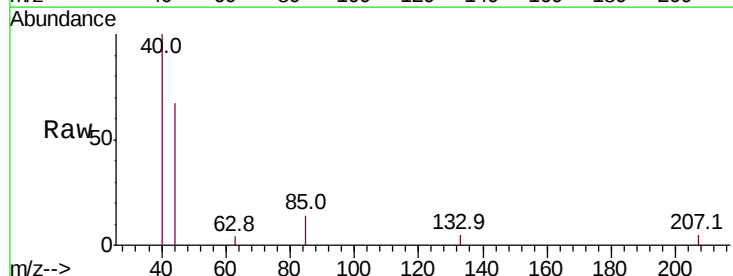
Acq: 10 Sep 2020 02:38

Tgt Ion: 85 Resp: 600

Ion Ratio Lower Upper

85 100

87 0.0 14.2 42.6#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

600

500

400

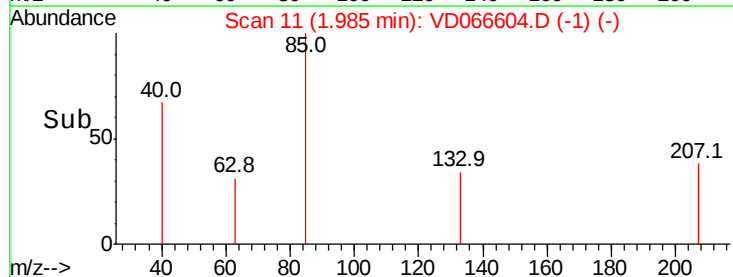
300

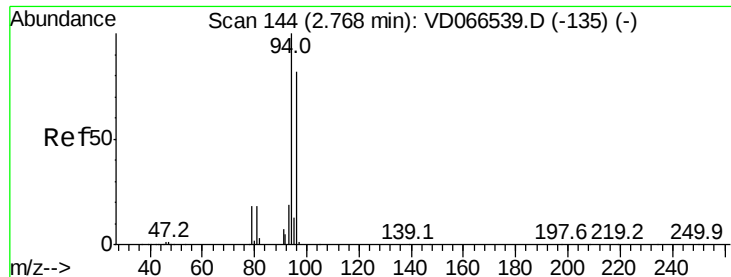
200

100

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.77 min Scan# 145

Delta R.T. 0.01 min

Lab File: VD066604.D

Acq: 10 Sep 2020 02:38

Instrument :

MSVOA_D

ClientSampleId :

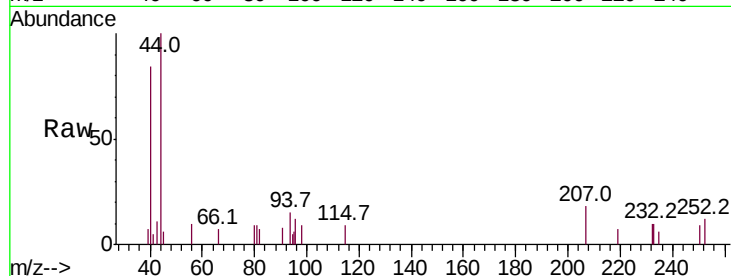
LG-STOCK

Tot Ion: 94 Resp: 927

Ion Ratio Lower Upper

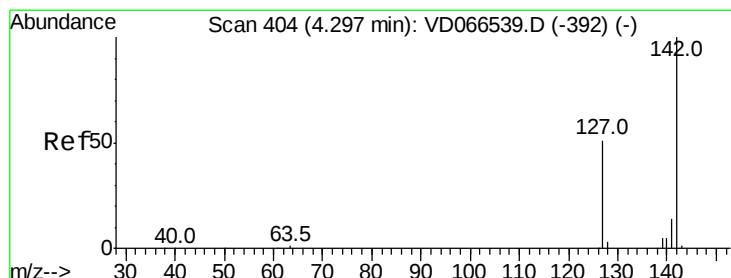
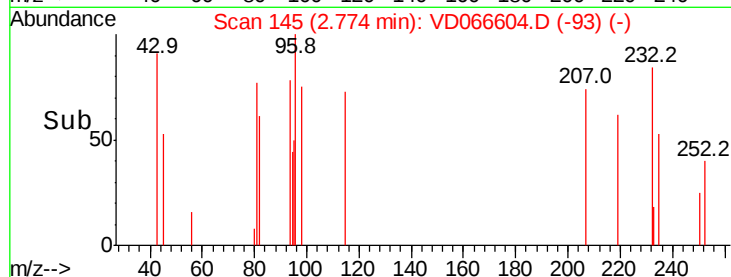
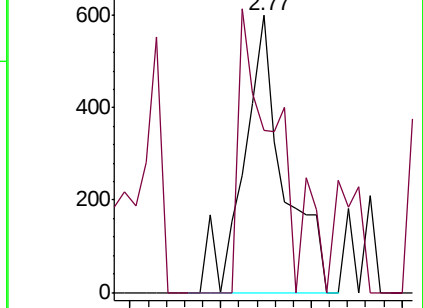
94 100

96 58.3 65.2 97.8#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#10

Methyl Iodide

Concen: 4.039 ug/l

RT: 4.31 min Scan# 406

Delta R.T. 0.01 min

Lab File: VD066604.D

Acq: 10 Sep 2020 02:38

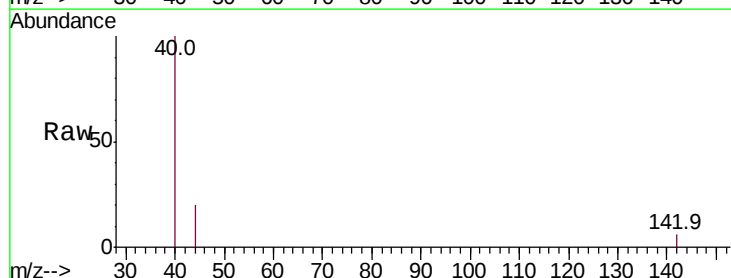
Tgt Ion: 142 Resp: 58

Ion Ratio Lower Upper

142 100

127 0.0 40.6 61.0#

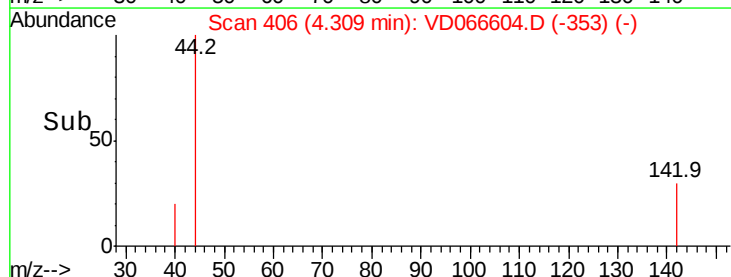
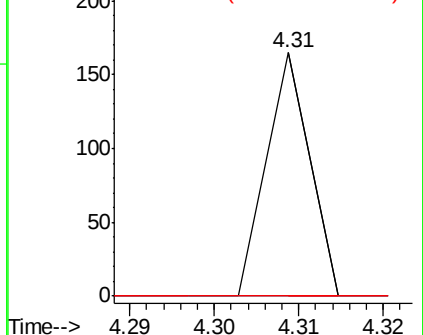
141 0.0 12.2 18.4#

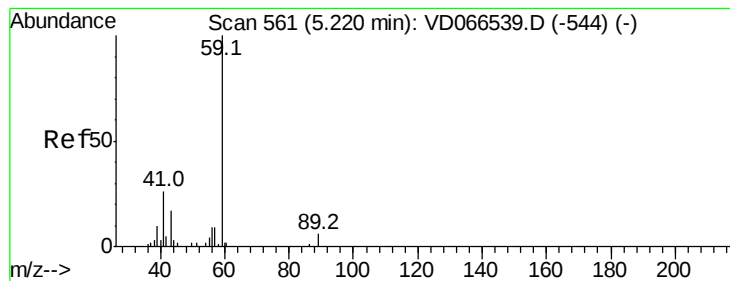


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



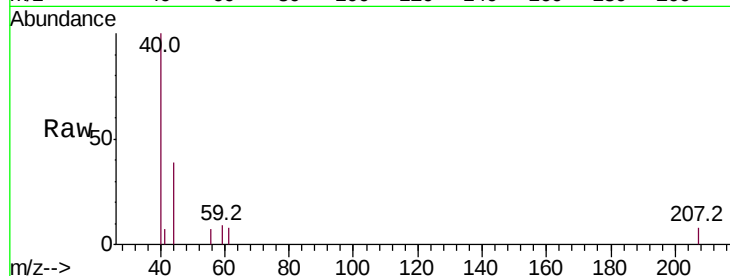


#11

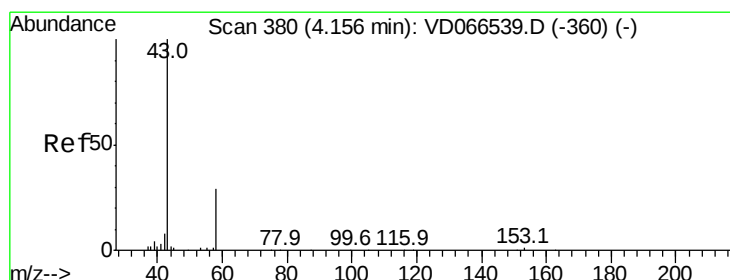
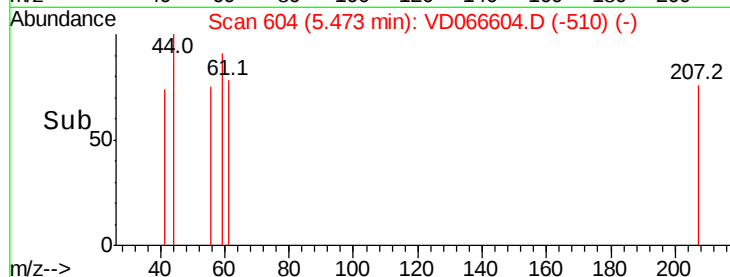
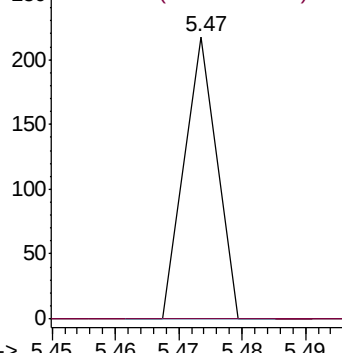
Tert butyl alcohol
 Concen: Below Cal
 RT: 5.47 min Scan# 604
 Delta R.T. 0.25 min
 Lab File: VD066604.D
 Acq: 10 Sep 2020 02:38

Instrument :
 MSVOA_D
 ClientSampleId :
 LG-STOCK

Tot Ion: 59 Resp: 77
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.6 11.4#



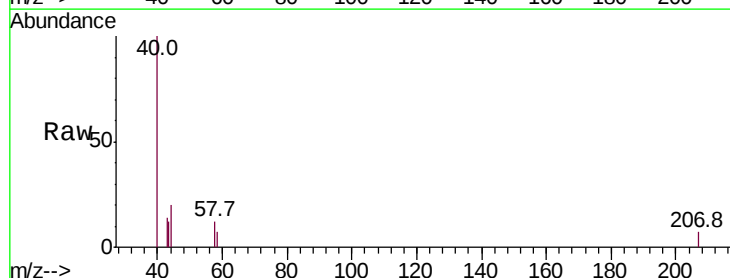
Abundance Ion 59.00 (58.70 to 59.70): VDC
 Ion 57.00 (56.70 to 57.70): VDC



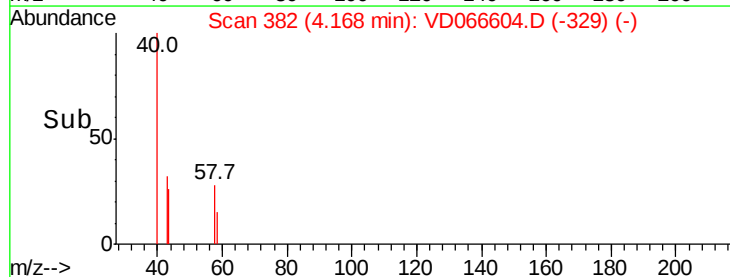
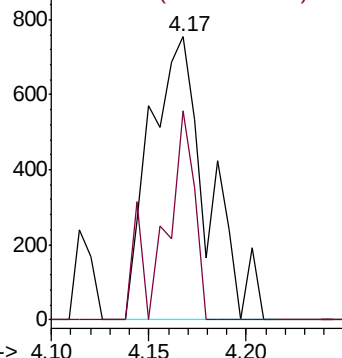
#16

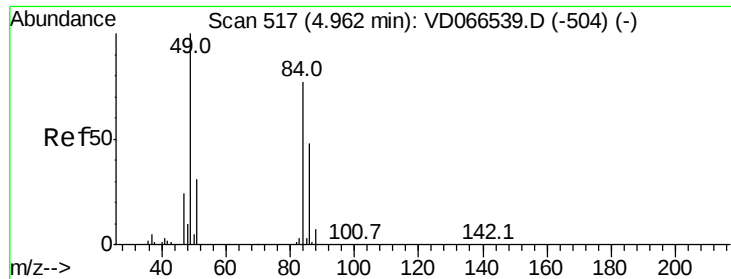
Acetone
 Concen: 2.092 ug/l
 RT: 4.17 min Scan# 382
 Delta R.T. 0.01 min
 Lab File: VD066604.D
 Acq: 10 Sep 2020 02:38

Tgt Ion: 43 Resp: 1533
 Ion Ratio Lower Upper
 43 100
 58 73.7 22.9 34.3#



Abundance Ion 43.00 (42.70 to 43.70): VDC
 Ion 58.00 (57.70 to 58.70): VDC





#20

Methylene Chloride

Concen: 2.084 ug/l

RT: 4.97 min Scan# 518

Delta R.T. 0.01 min

Lab File: VD066604.D

Acq: 10 Sep 2020 02:38

Instrument :

MSVOA_D

ClientSampleId :

LG-STOCK

Tot Ion: 84 Resp: 33647

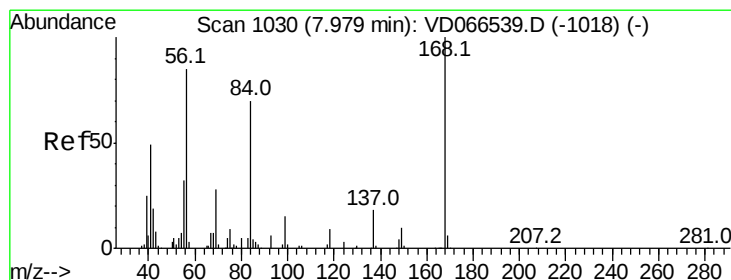
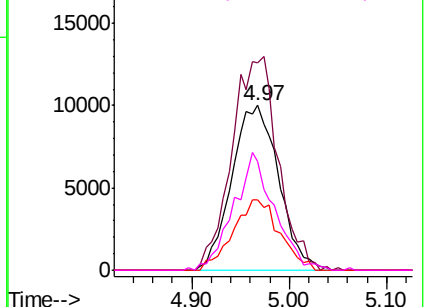
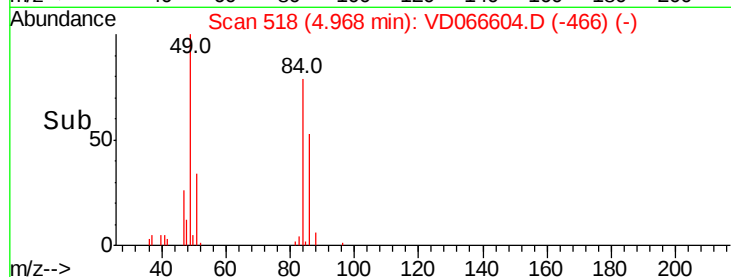
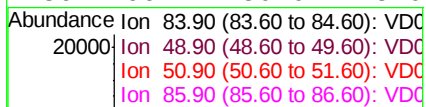
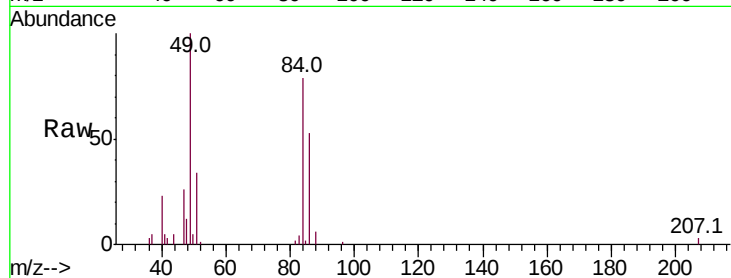
Ion Ratio Lower Upper

84 100

49 126.1 104.3 156.5

51 42.8 32.2 48.4

86 66.4 50.0 75.0



#31

Cyclohexane

Concen: 1.442 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD066604.D

Acq: 10 Sep 2020 02:38

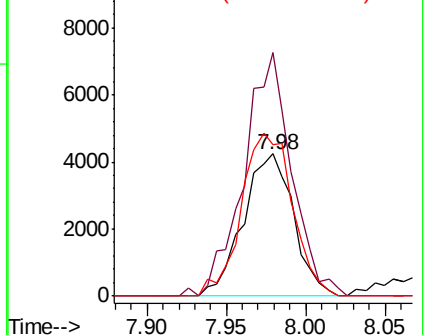
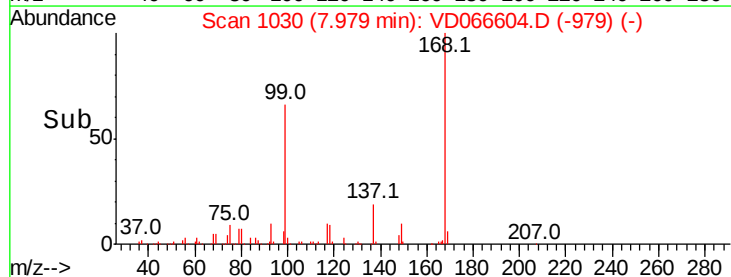
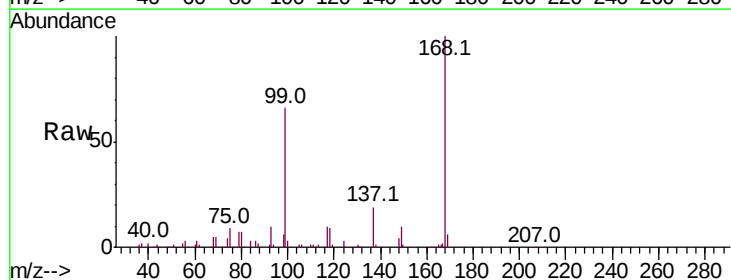
Tgt Ion: 56 Resp: 9366

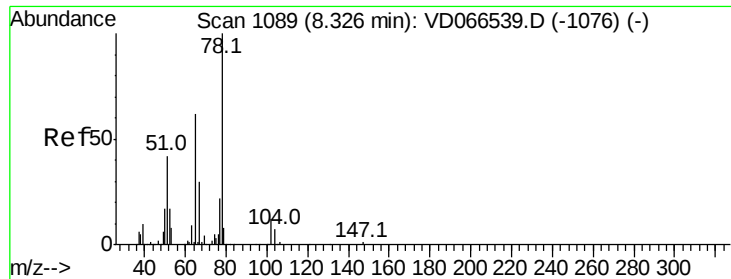
Ion Ratio Lower Upper

56 100

69 165.3 26.3 39.5#

84 106.0 66.1 99.1#

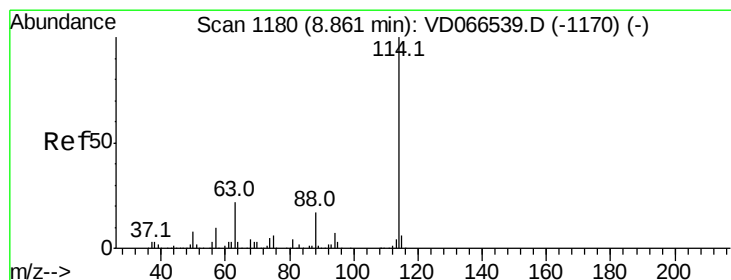
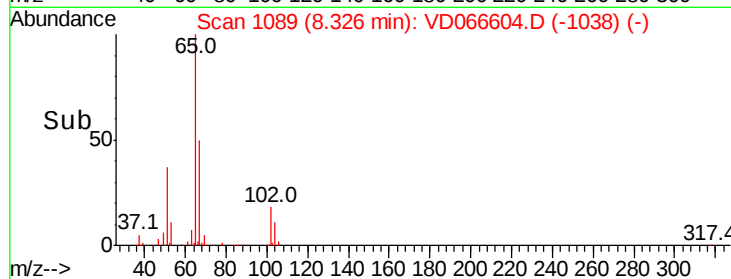
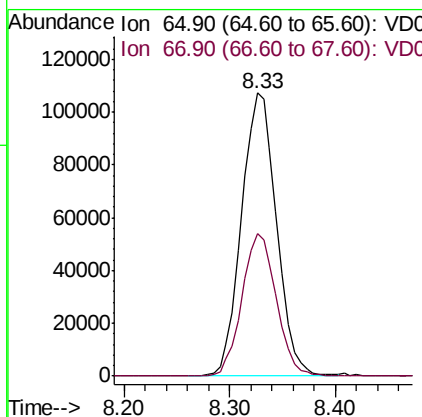
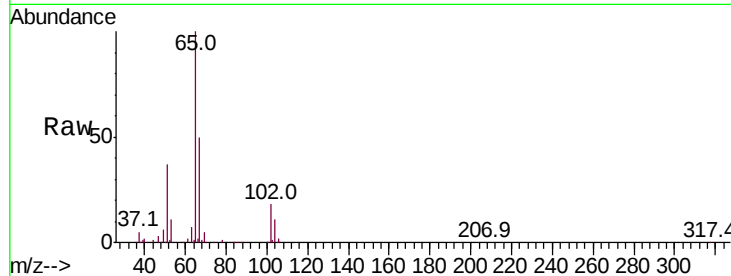




#33
 1,2-Dichloroethane-d4
 Concen: 61.882 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. 0.00 min
 Lab File: VD066604.D
 Acq: 10 Sep 2020 02:38

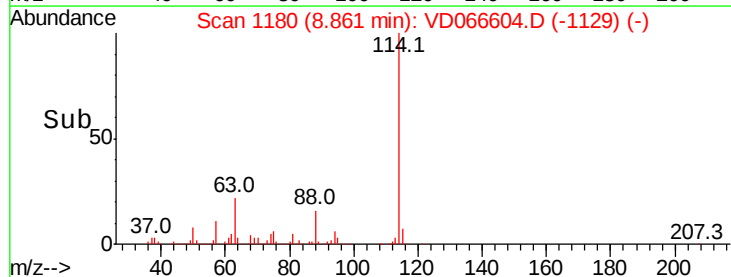
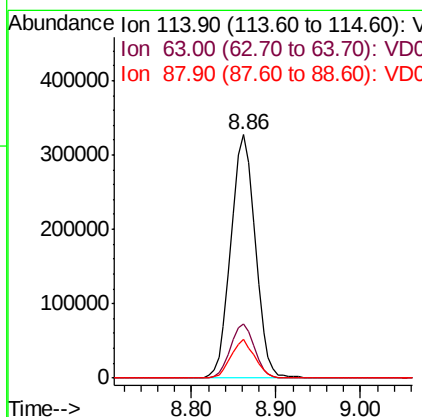
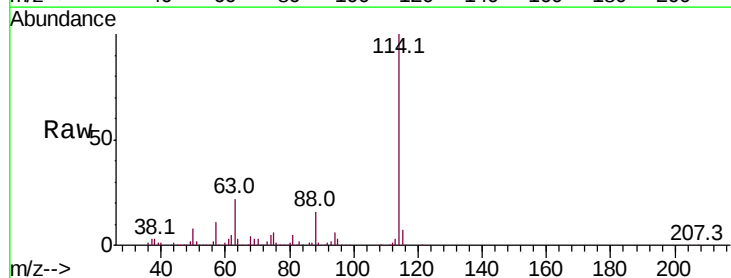
Instrument :
 MSVOA_D
 ClientSampleId :
 LG-STOCK

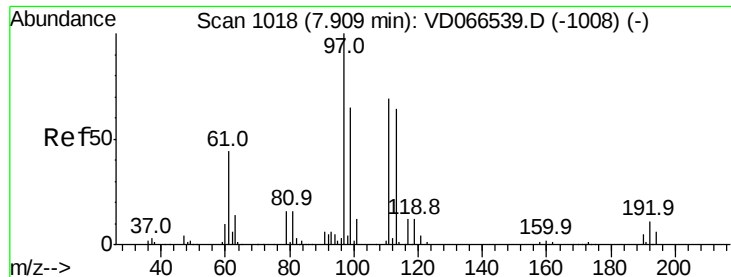
Tot Ion: 65 Resp: 246426
 Ion Ratio Lower Upper
 65 100
 67 49.2 0.0 102.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066604.D
 Acq: 10 Sep 2020 02:38

Tgt Ion:114 Resp: 652650
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 43.2
 88 16.0 0.0 33.2

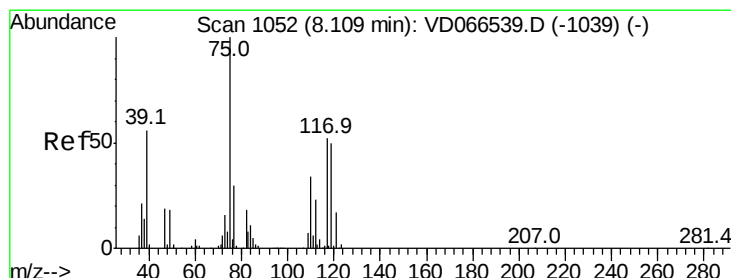
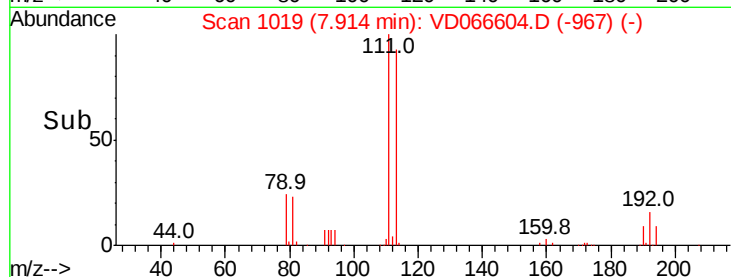
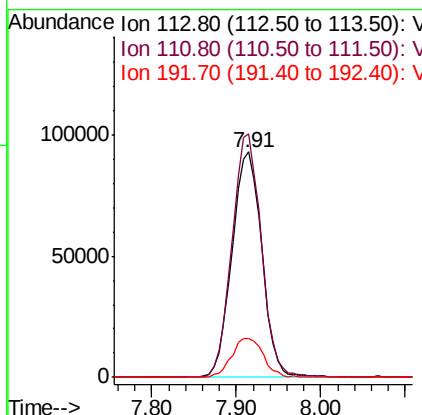
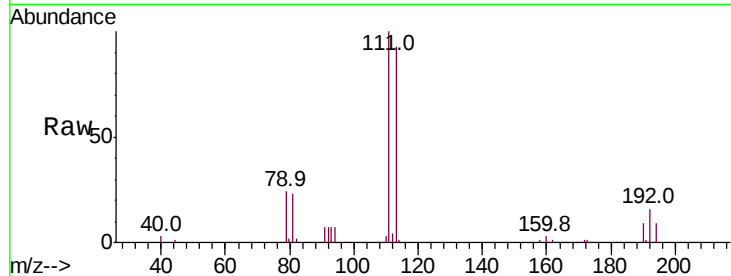




#35
 Dibromofluoromethane
 Concen: 51.591 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VD066604.D
 Acq: 10 Sep 2020 02:38

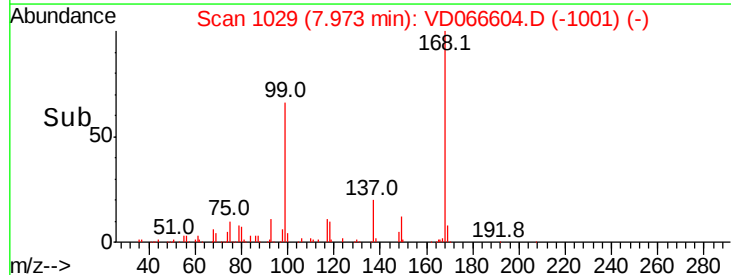
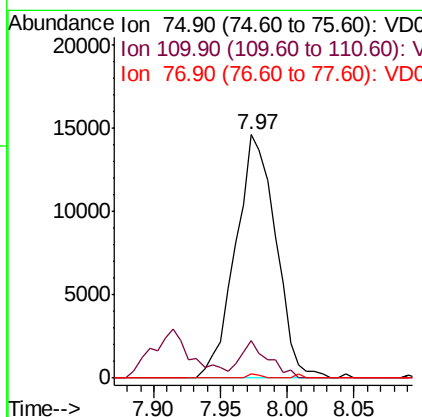
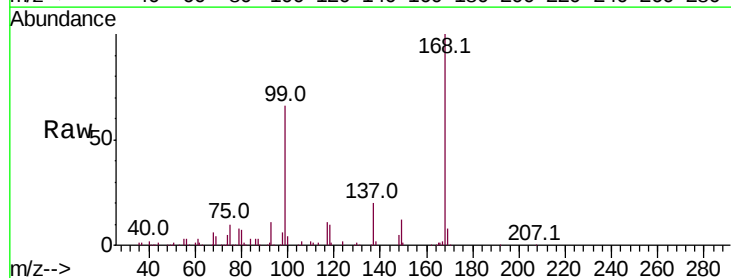
Instrument :
 MSVOA_D
 ClientSampled :
 LG-STOCK

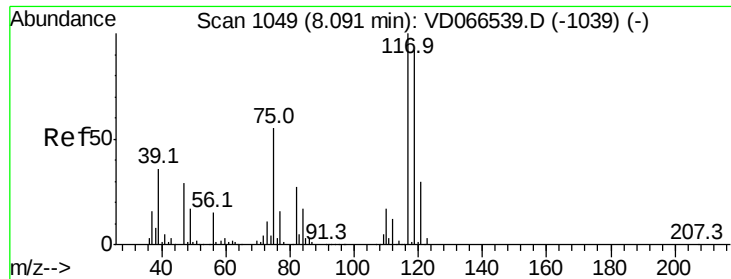
Tot Ion	Ratio	Lower	Upper
113	100		
111	105.4	83.2	124.8
192	18.3	13.7	20.5



#36
 1,1-Dichloropropene
 Concen: 4.487 ug/l
 RT: 7.97 min Scan# 1029
 Delta R.T. -0.14 min
 Lab File: VD066604.D
 Acq: 10 Sep 2020 02:38

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.6	17.3	52.0#
77	0.6	25.1	37.7#





#38

Carbon Tetrachloride

Concen: 5.037 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.12 min

Lab File: VD066604.D

Acq: 10 Sep 2020 02:38

Instrument :

MSVOA_D

ClientSampleId :

LG-STOCK

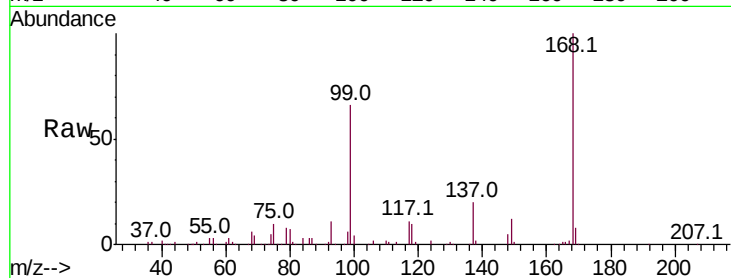
Tot Ion:117 Resp: 36163

Ion Ratio Lower Upper

117 100

119 7.9 73.9 110.9#

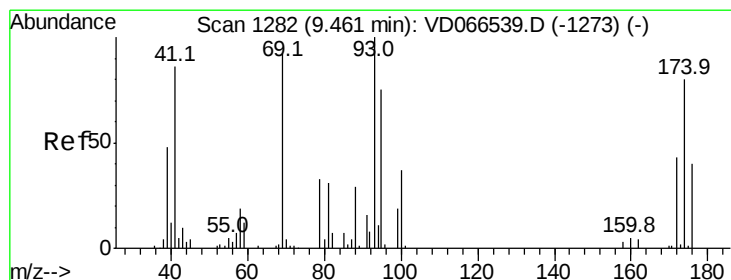
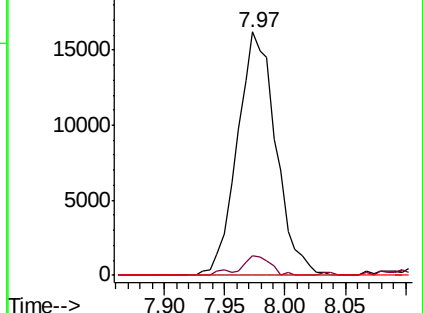
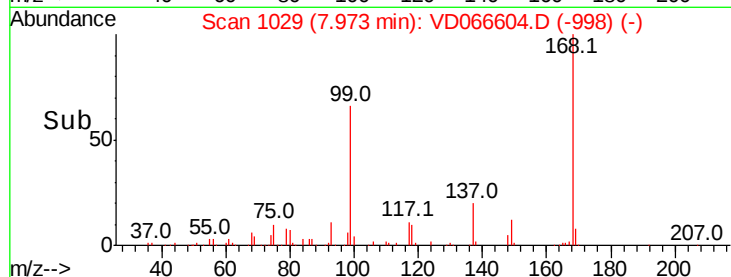
121 0.0 24.1 36.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#49

1,4-Dioxane

Concen: 3.249 ug/l

RT: 9.61 min Scan# 1308

Delta R.T. 0.15 min

Lab File: VD066604.D

Acq: 10 Sep 2020 02:38

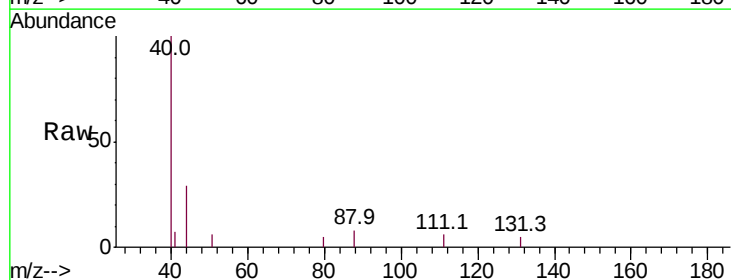
Tgt Ion: 88 Resp: 92

Ion Ratio Lower Upper

88 100

43 108.7 28.3 42.5#

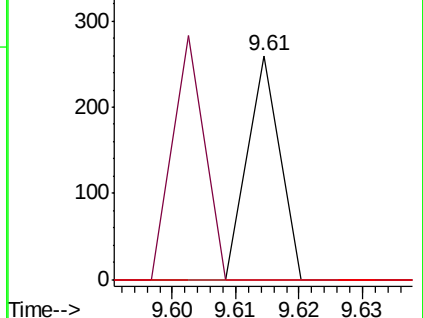
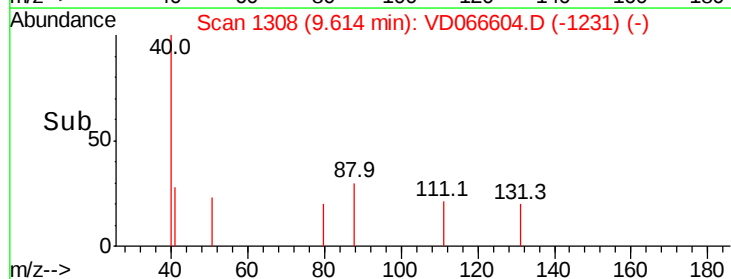
58 0.0 56.1 84.1#

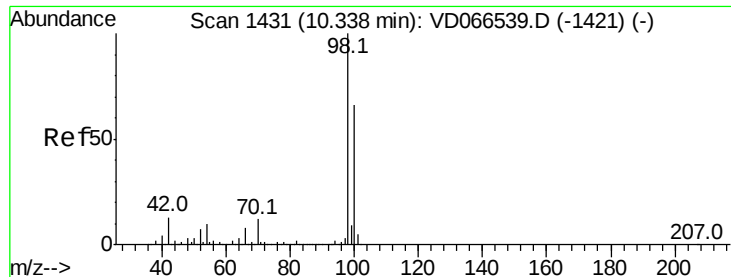


Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#50

Toluene-d8

Concen: 51.655 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD066604.D

Acq: 10 Sep 2020 02:38

Instrument :

MSVOA_D

ClientSampleId :

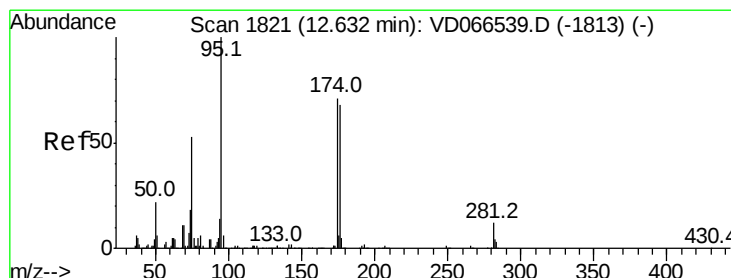
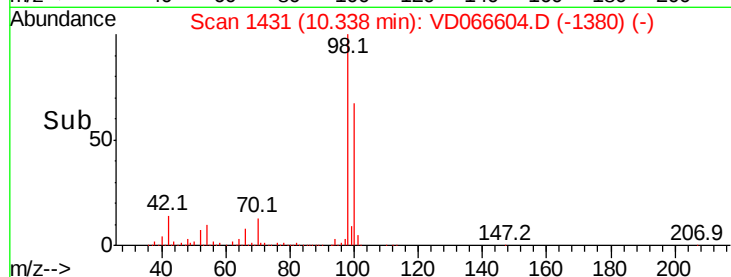
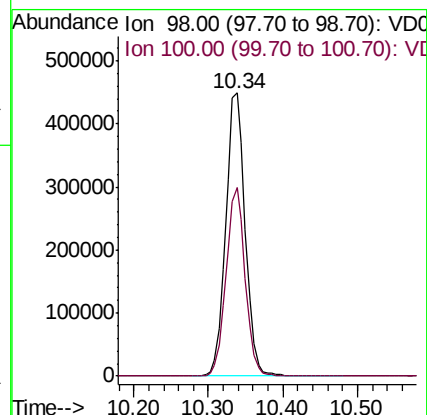
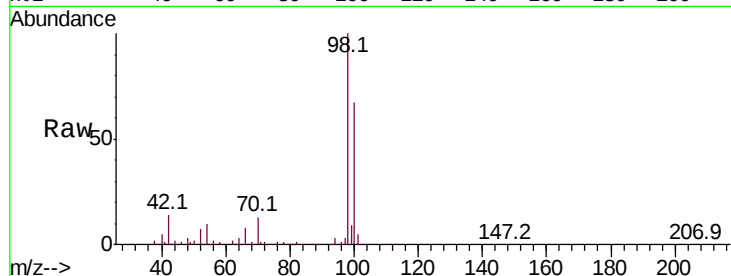
LG-STOCK

Tot Ion: 98 Resp: 812861

Ion Ratio Lower Upper

98 100

100 65.4 52.9 79.3



#62

4-Bromofluorobenzene

Concen: 53.027 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VD066604.D

Acq: 10 Sep 2020 02:38

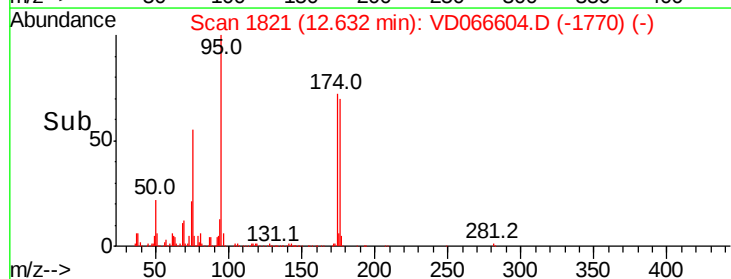
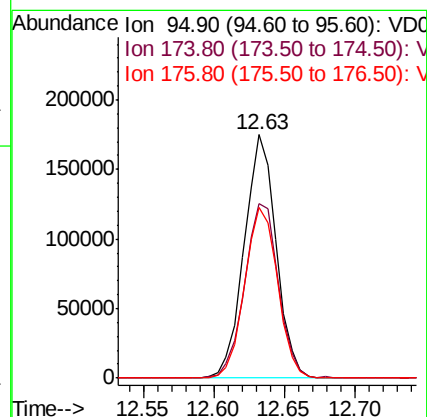
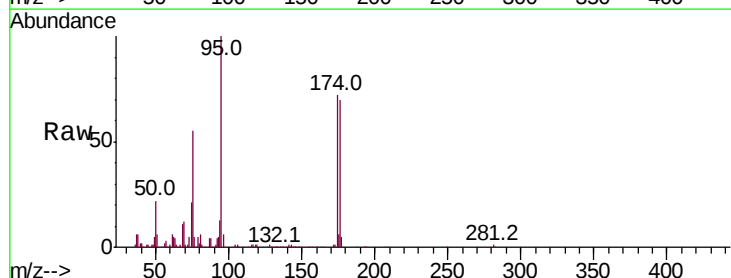
Tgt Ion: 95 Resp: 276697

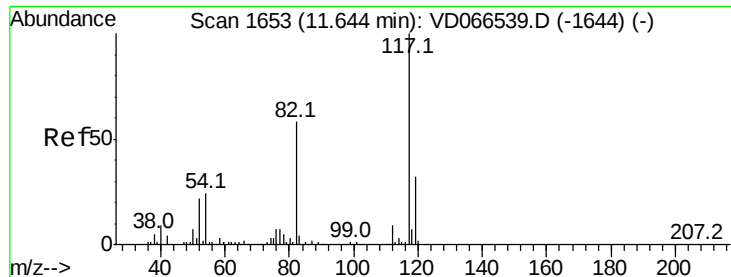
Ion Ratio Lower Upper

95 100

174 76.2 0.0 155.8

176 72.3 0.0 148.6

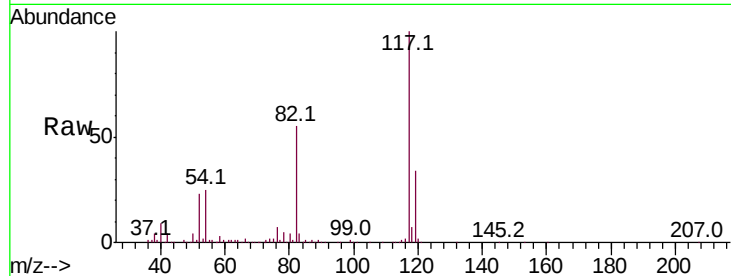




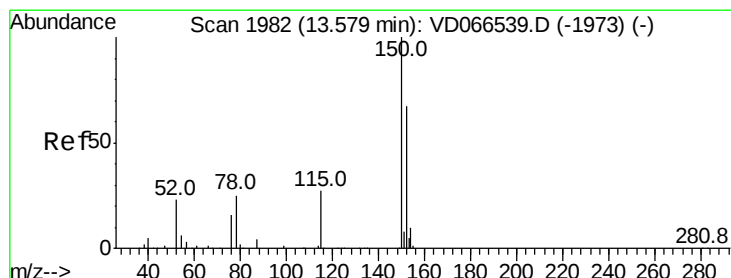
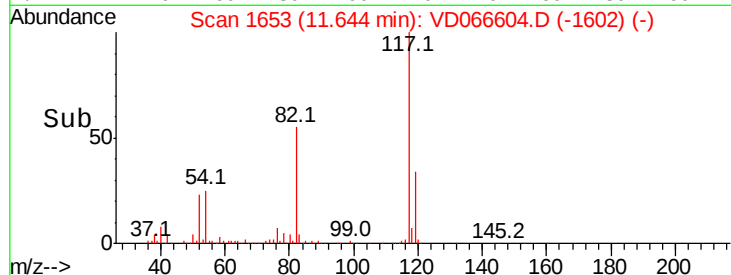
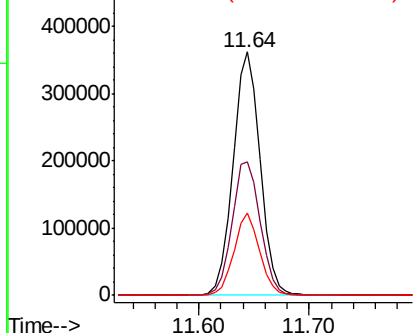
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066604.D
Acq: 10 Sep 2020 02:38

Instrument :
MSVOA_D
ClientSampleID :
LG-STOCK

Tot Ion:117 Resp: 622219
Ion Ratio Lower Upper
117 100
82 55.0 46.2 69.2
119 33.9 25.8 38.8

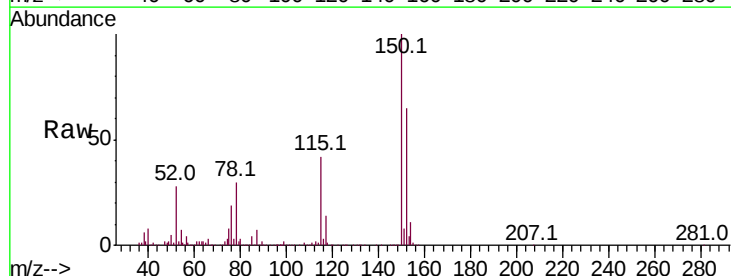


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

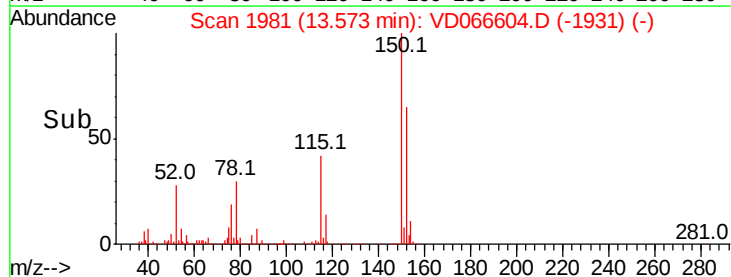
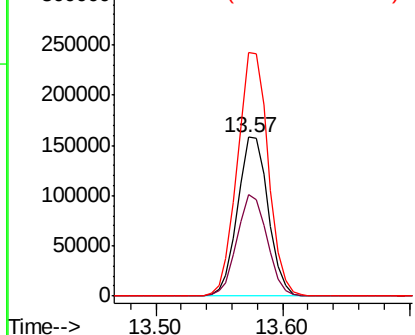


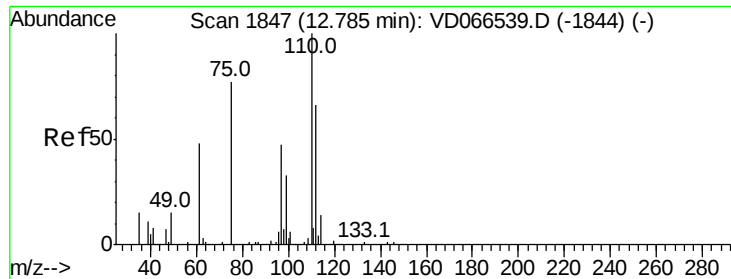
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1981
Delta R.T. -0.01 min
Lab File: VD066604.D
Acq: 10 Sep 2020 02:38

Tgt Ion:152 Resp: 265281
Ion Ratio Lower Upper
152 100
115 63.0 30.4 91.2
150 154.0 0.0 345.8



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





#76

1,2,3-Trichloropropane

Concen: 61.454 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066604.D

Acq: 10 Sep 2020 02:38

Instrument :

MSVOA_D

ClientSampleId :

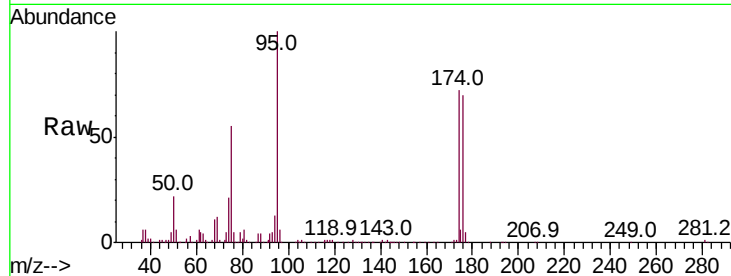
LG-STOCK

Tot Ion: 75 Resp: 156787

Ion Ratio Lower Upper

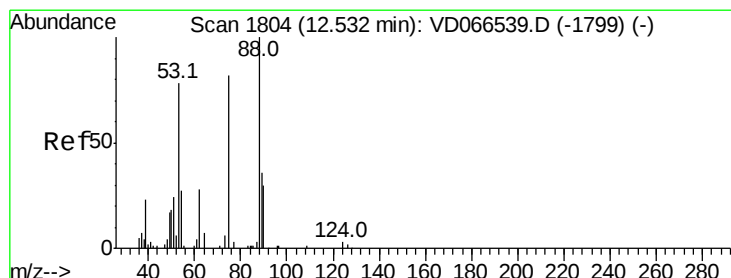
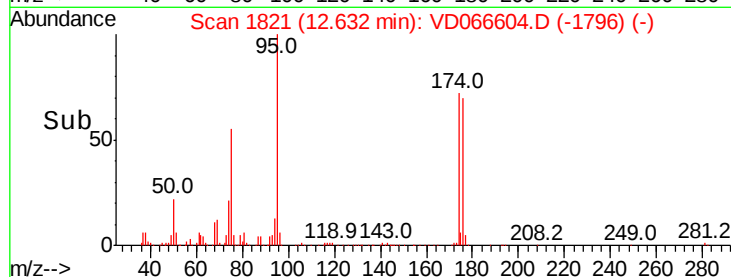
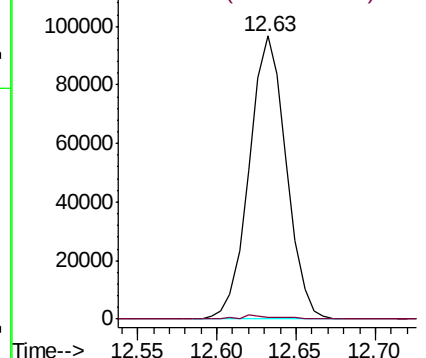
75 100

77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 143.473 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066604.D

Acq: 10 Sep 2020 02:38

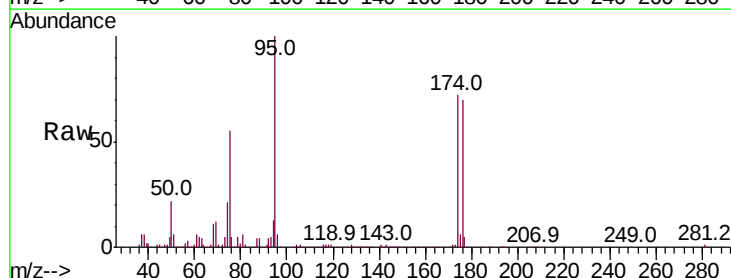
Tgt Ion: 75 Resp: 156787

Ion Ratio Lower Upper

75 100

53 0.3 87.0 130.4#

89 0.2 37.1 55.7#



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

