

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD081820\
 Data File : VD066308.D
 Acq On : 19 Aug 2020 07:11
 Operator : VA/SY
 Sample : L3712-04
 Misc : 6.93G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CHRT-26572

Quant Time: Aug 19 08:51:23 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

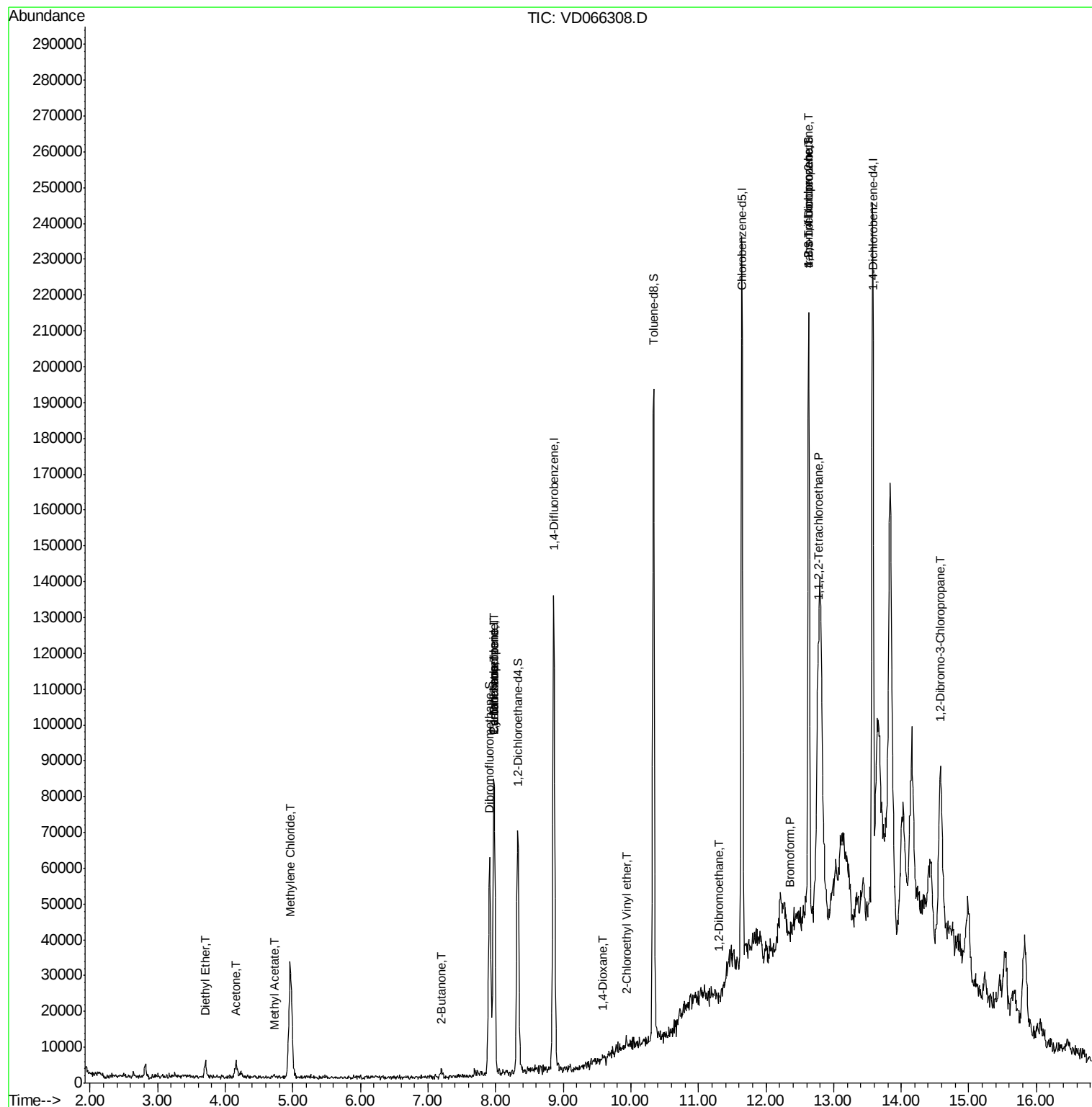
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	63375	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	113880	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	115870	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	52295	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	56514	99.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	199.90%	
35) Dibromofluoromethane	7.91	113	42716	59.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	118.42%	
50) Toluene-d8	10.33	98	121114	45.49	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.98%	
62) 4-Bromofluorobenzene	12.63	95	54306	56.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	113.18%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.71	74	1988	7.028	ug/l	96
11) Tert butyl alcohol	5.22	59	82	Below Cal	#	76
16) Acetone	4.16	43	7771	72.436	ug/l #	82
18) Methyl Acetate	4.72	43	1008	3.699	ug/l #	48
20) Methylene Chloride	4.96	84	25497	40.498	ug/l #	88
25) 2-Butanone	7.20	43	198	1.255	ug/l #	47
31) Cyclohexane	7.97	56	1286	1.298	ug/l #	36
36) 1,1-Dichloropropene	7.97	75	4561	4.262	ug/l #	50
38) Carbon Tetrachloride	7.97	117	6013	5.039	ug/l #	15
49) 1,4-Dioxane	9.58	88	56	10.899	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.94	63	656	2.108	ug/l	100
61) 1,2-Dibromoethane	11.31	107	661	1.194	ug/l	95
71) Bromoform	12.36	173	909	1.667	ug/l #	54
75) 1,1,2,2-Tetrachloroethane	12.77	83	6783	11.395	ug/l #	28
76) 1,2,3-Trichloropropane	12.63	75	26664	61.141	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	26664	135.157	ug/l #	14
92) 1,2-Dibromo-3-Chloropropan	14.58	75	436	4.262	ug/l #	49

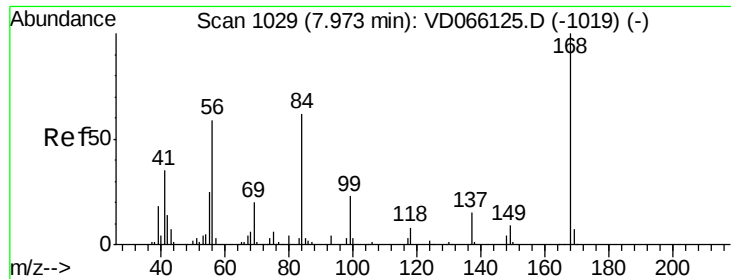
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD081820\
Data File : VD066308.D
Acq On : 19 Aug 2020 07:11
Operator : VA/SY
Sample : L3712-04
Misc : 6.93G/5.00ml/MSVOA_D/SOIL
ALS Vial : 44 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
CHRT-26572

Quant Time: Aug 19 08:51:23 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
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: VD066308.D

Acq: 19 Aug 2020 07:11

Instrument :

MSVOA_D

ClientSampleId :

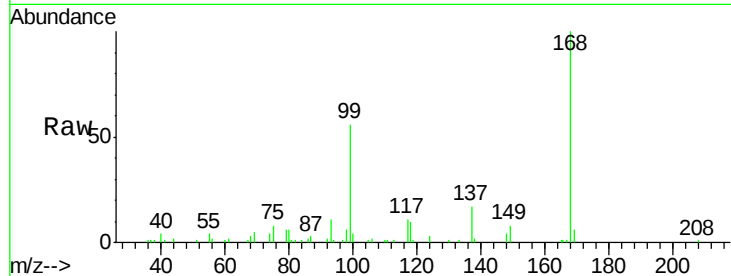
CHRT-26572

Tgt Ion:168 Resp: 63375

Ion Ratio Lower Upper

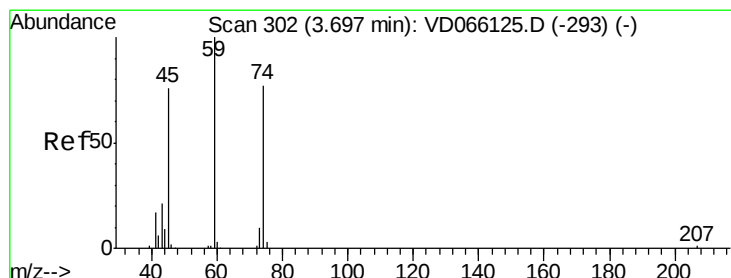
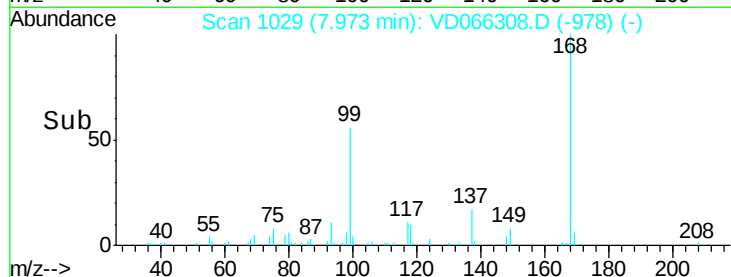
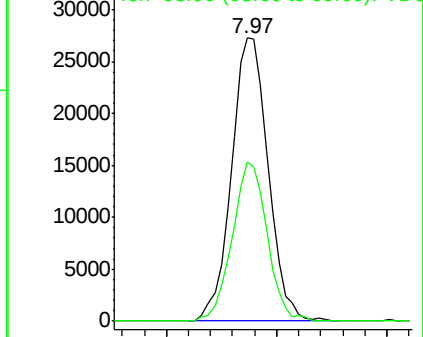
168 100

99 56.1 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: 7.028 ug/l

RT: 3.71 min Scan# 304

Delta R.T. 0.01 min

Lab File: VD066308.D

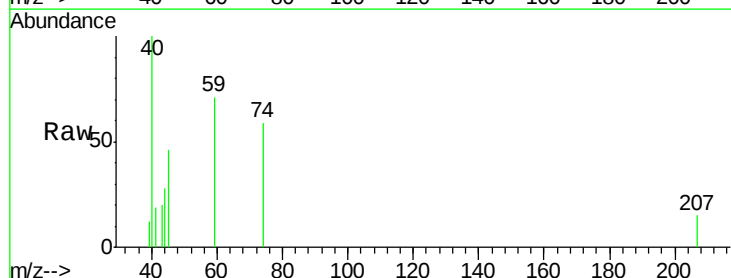
Acq: 19 Aug 2020 07:11

Tgt Ion: 74 Resp: 1988

Ion Ratio Lower Upper

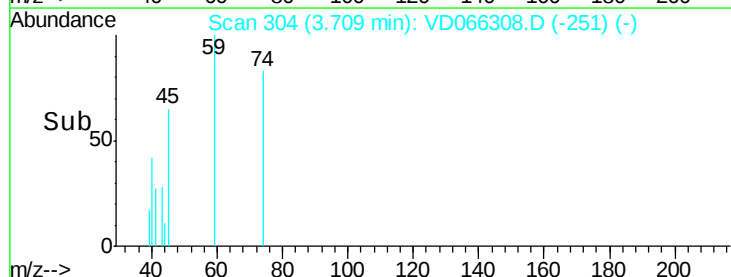
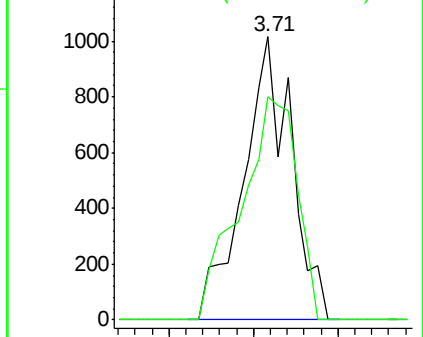
74 100

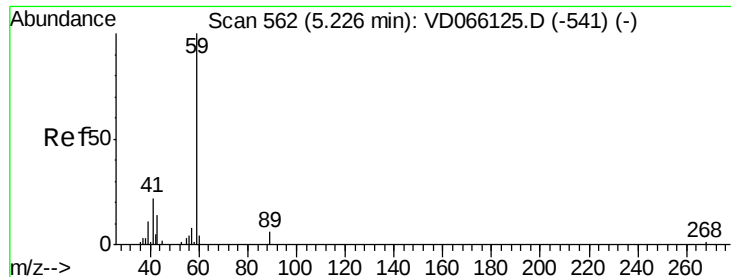
45 93.3 48.4 145.2



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC



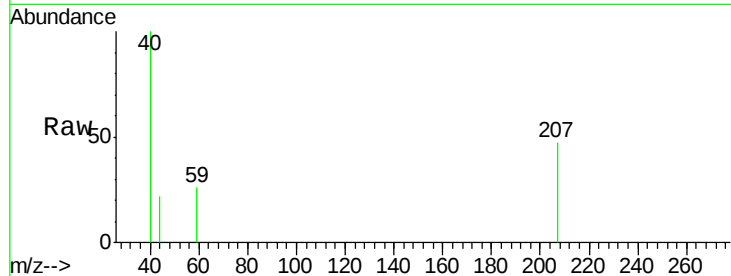


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.22 min Scan# 561
 Delta R.T. -0.01 min
 Lab File: VD066308.D
 Acq: 19 Aug 2020 07:11

Instrument :
 MSVOA_D
 ClientSampleId :
 CHRT-26572

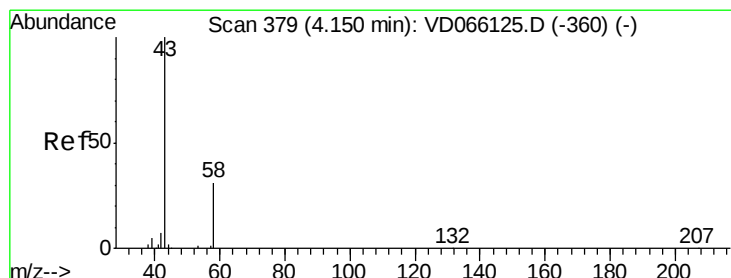
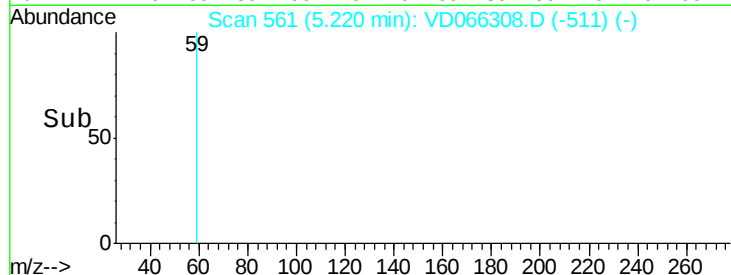
Tgt Ion: 59 Resp: 82
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.0 10.4#



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

5.22

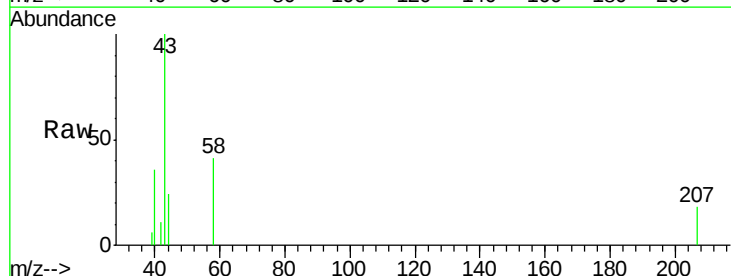
Time-->



#16

Acetone
 Concen: 72.436 ug/l
 RT: 4.16 min Scan# 381
 Delta R.T. 0.01 min
 Lab File: VD066308.D
 Acq: 19 Aug 2020 07:11

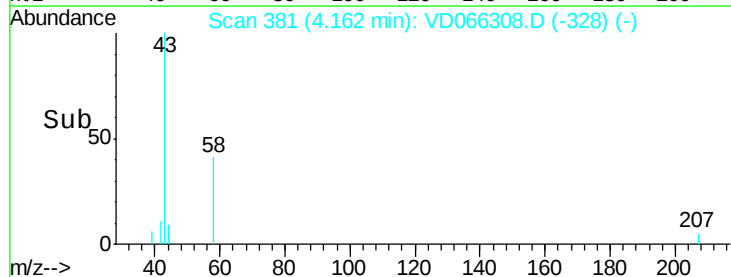
Tgt Ion: 43 Resp: 7771
 Ion Ratio Lower Upper
 43 100
 58 41.0 24.7 37.1#

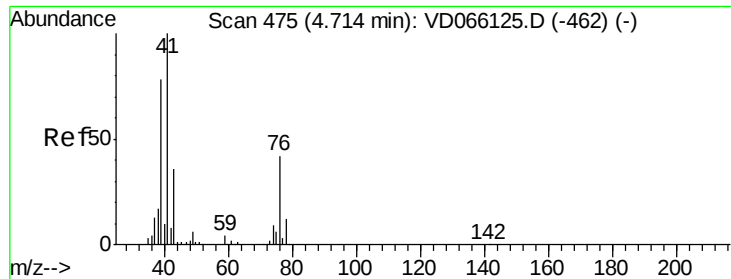


Abundance Ion 43.00 (42.70 to 43.70): VDC
 Ion 58.00 (57.70 to 58.70): VDC

4.16

Time-->

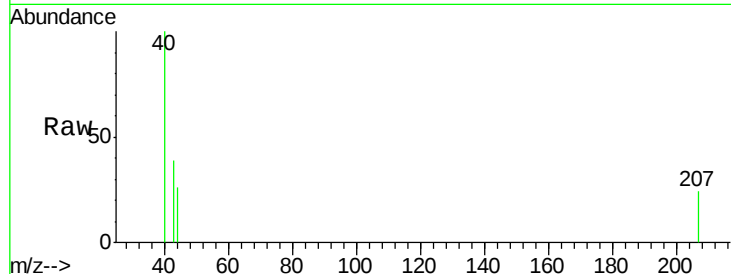




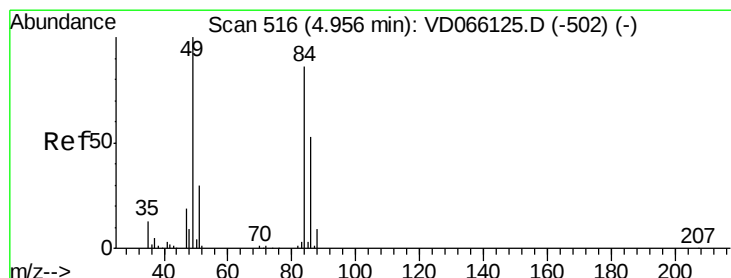
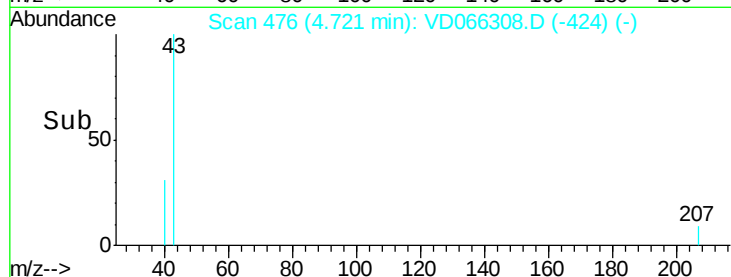
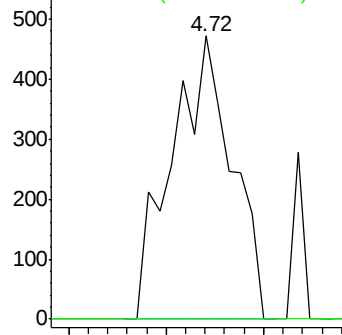
#18
Methyl Acetate
Concen: 3.699 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.01 min
Lab File: VD066308.D
Acq: 19 Aug 2020 07:11

Instrument :
MSVOA_D
ClientSampleId :
CHRT-26572

Tgt Ion: 43 Resp: 1008
Ion Ratio Lower Upper
43 100
74 0.0 21.2 31.8#

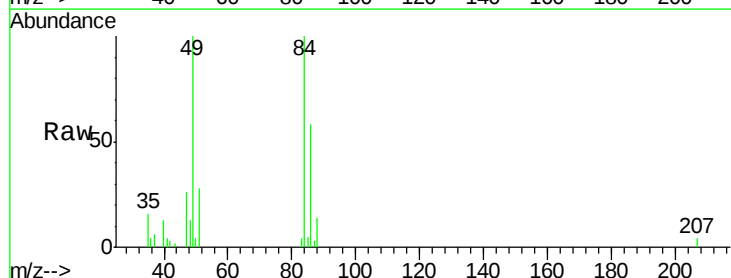


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 74.00 (73.70 to 74.70): VDC

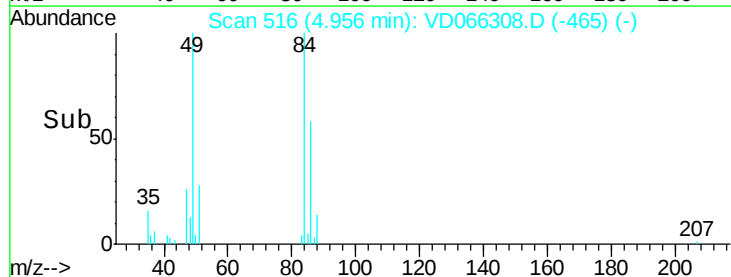
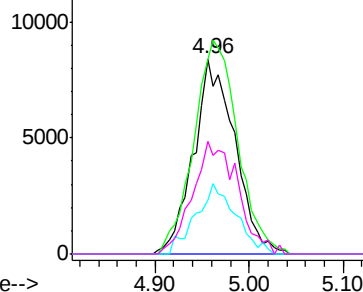


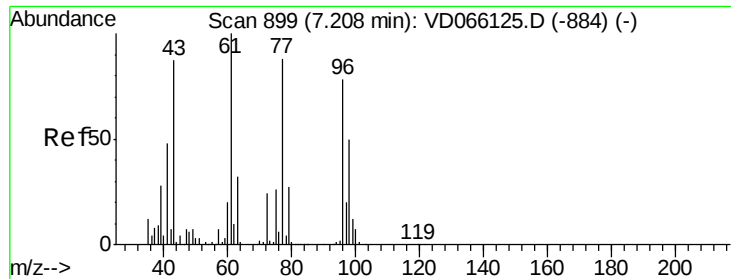
#20
Methylene Chloride
Concen: 40.498 ug/l
RT: 4.96 min Scan# 516
Delta R.T. 0.00 min
Lab File: VD066308.D
Acq: 19 Aug 2020 07:11

Tgt Ion: 84 Resp: 25497
Ion Ratio Lower Upper
84 100
49 99.9 93.5 140.3
51 27.8 28.2 42.4#
86 58.0 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





#25

2-Butanone

Concen: 1.255 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD066308.D

Acq: 19 Aug 2020 07:11

Instrument :

MSVOA_D

ClientSampleId :

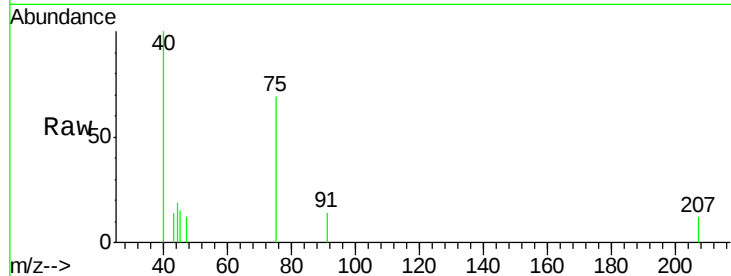
CHRT-26572

Tgt Ion: 43 Resp: 198

Ion Ratio Lower Upper

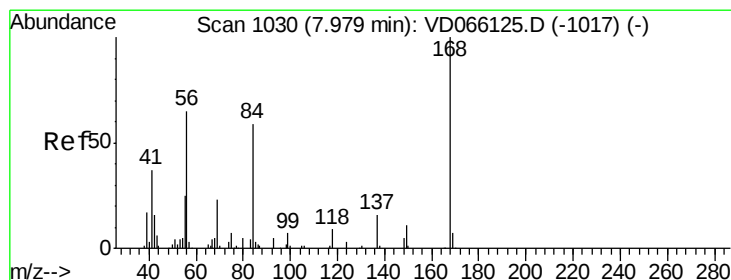
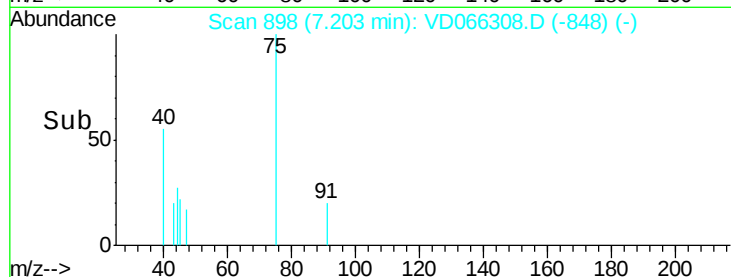
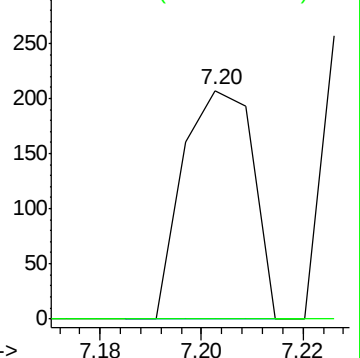
43 100

72 0.0 22.2 33.2#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#31

Cyclohexane

Concen: 1.298 ug/l

RT: 7.97 min Scan# 1028

Delta R.T. -0.01 min

Lab File: VD066308.D

Acq: 19 Aug 2020 07:11

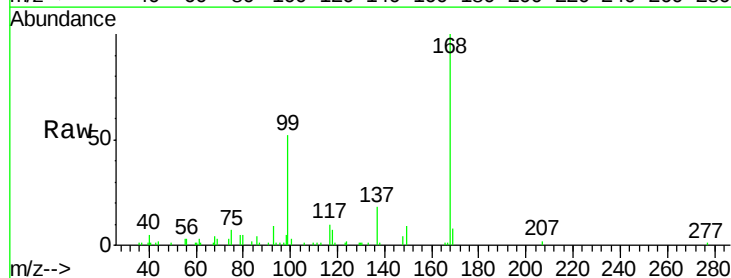
Tgt Ion: 56 Resp: 1286

Ion Ratio Lower Upper

56 100

69 102.3 28.8 43.2#

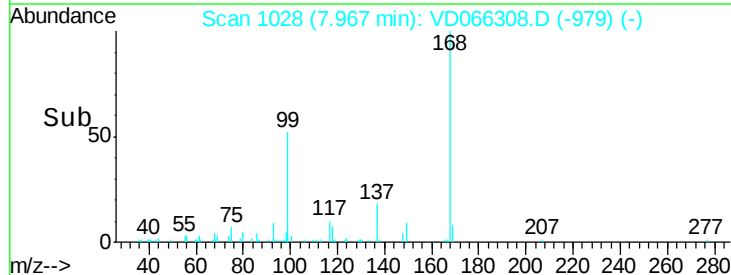
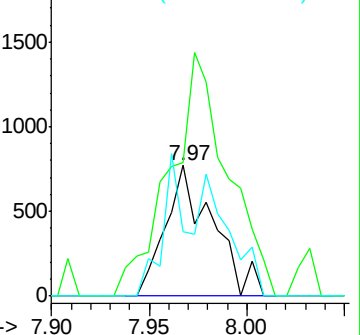
84 49.4 73.0 109.6#

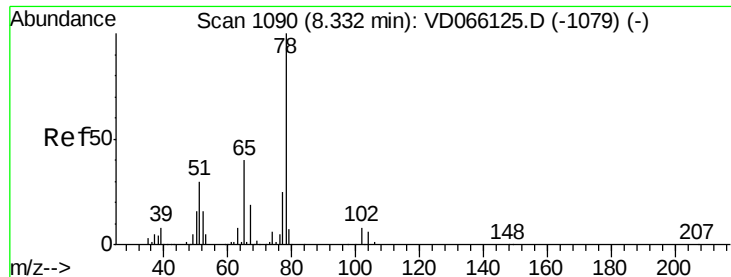


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC

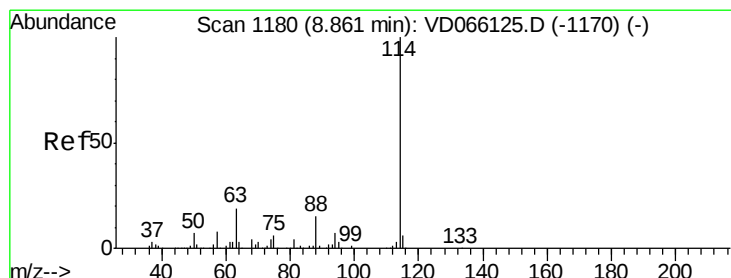
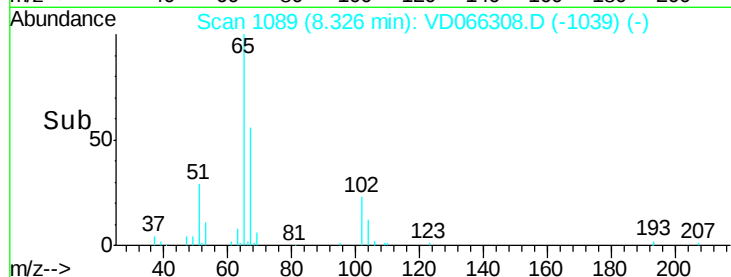
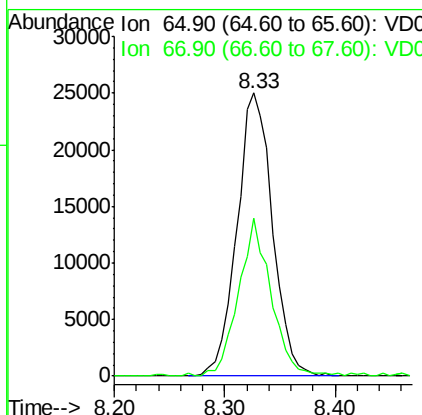
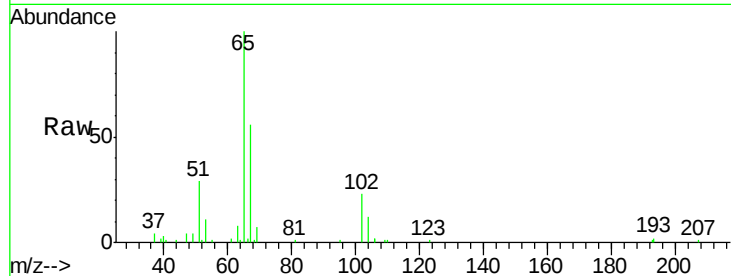




#33
 1,2-Dichloroethane-d4
 Concen: 99.954 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: VD066308.D
 Acq: 19 Aug 2020 07:11

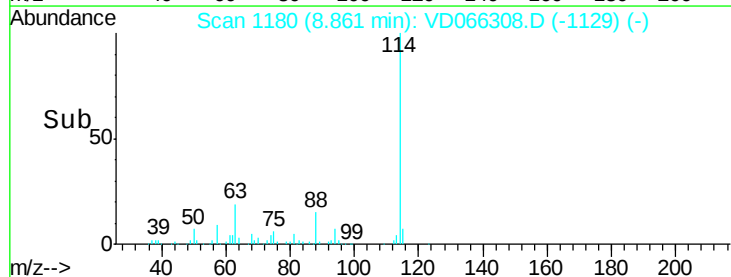
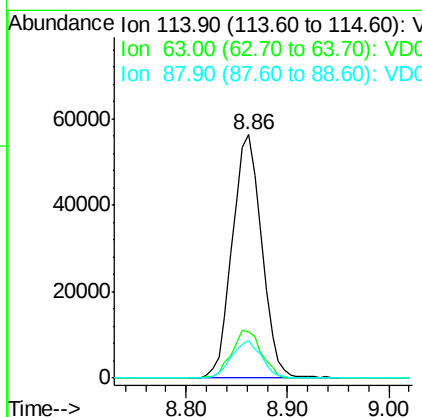
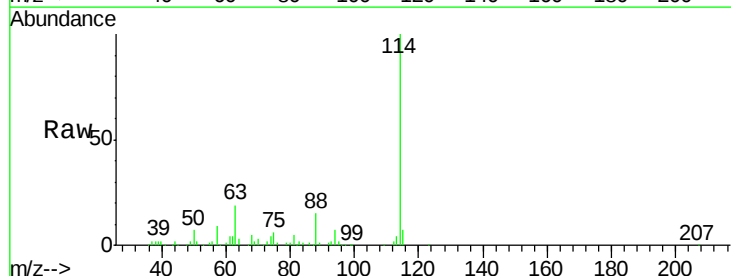
Instrument :
 MSVOA_D
 ClientSampleId :
 CHRT-26572

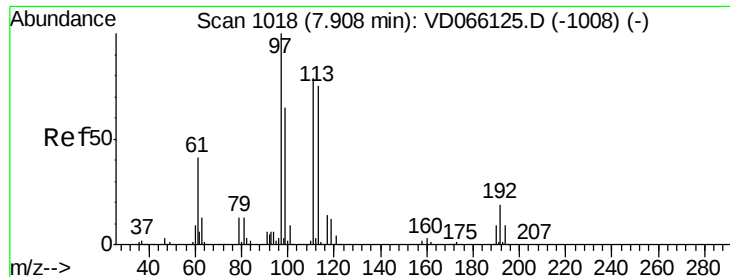
Tgt Ion: 65 Resp: 56514
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066308.D
 Acq: 19 Aug 2020 07:11

Tgt Ion: 114 Resp: 113880
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 38.6
 88 15.4 0.0 30.0

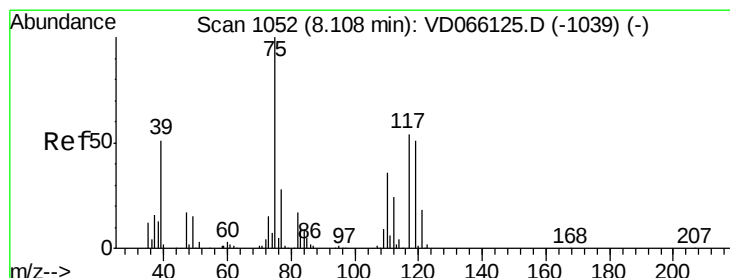
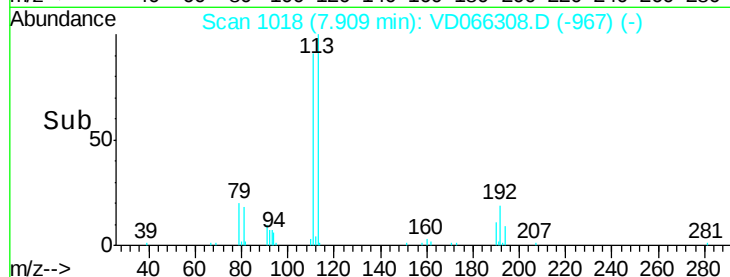
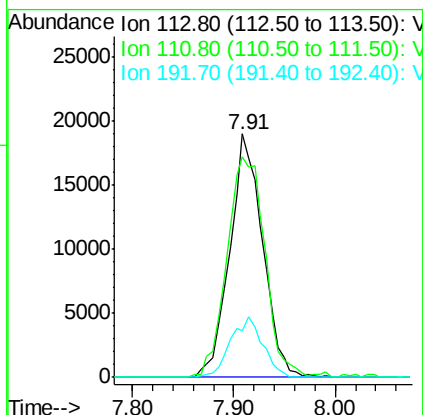
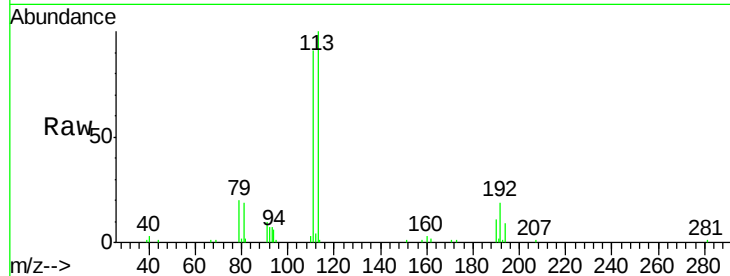




#35
 Dibromofluoromethane
 Concen: 59.211 ug/l
 RT: 7.91 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VD066308.D
 Acq: 19 Aug 2020 07:11

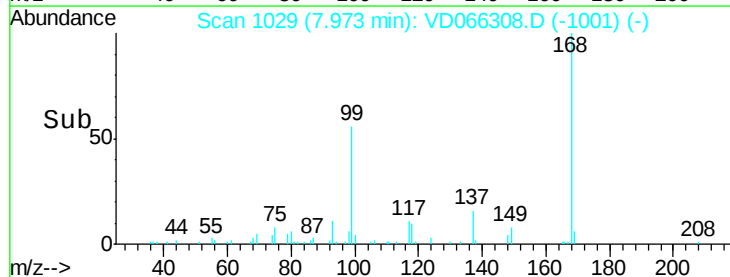
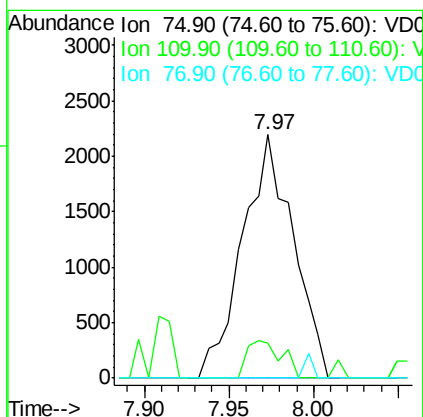
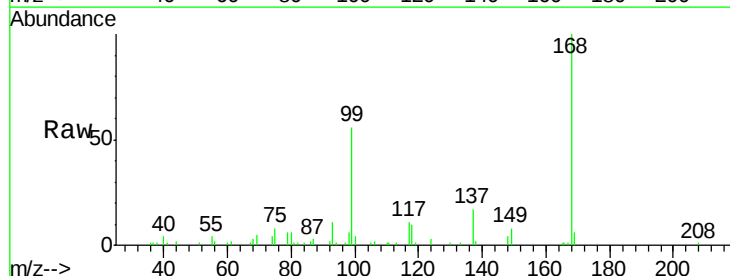
Instrument :
 MSVOA_D
 ClientSampleId :
 CHRT-26572

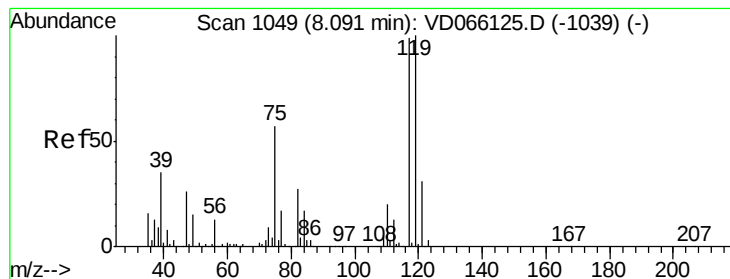
Tgt Ion:113 Resp: 42716
 Ion Ratio Lower Upper
 113 100
 111 104.5 80.7 121.1
 192 24.2 18.4 27.6



#36
 1,1-Dichloropropene
 Concen: 4.262 ug/l
 RT: 7.97 min Scan# 1029
 Delta R.T. -0.14 min
 Lab File: VD066308.D
 Acq: 19 Aug 2020 07:11

Tgt Ion: 75 Resp: 4561
 Ion Ratio Lower Upper
 75 100
 110 10.5 18.8 56.3#
 77 0.0 24.2 36.2#





#38

Carbon Tetrachloride

Concen: 5.039 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.12 min

Lab File: VD066308.D

Acq: 19 Aug 2020 07:11

Instrument :

MSVOA_D

ClientSampleId :

CHRT-26572

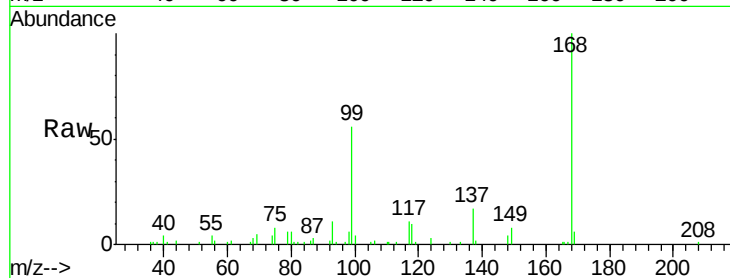
Tgt Ion:117 Resp: 6013

Ion Ratio Lower Upper

117 100

119 7.1 81.0 121.4#

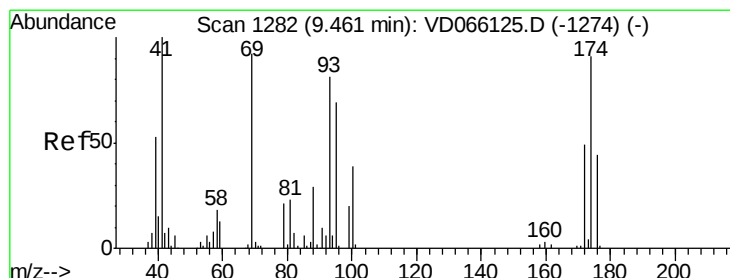
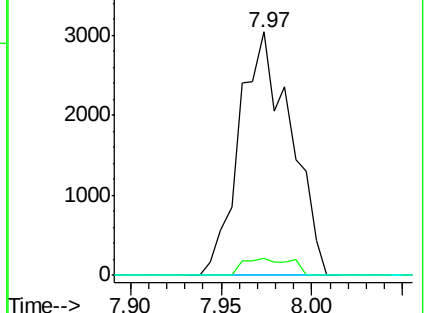
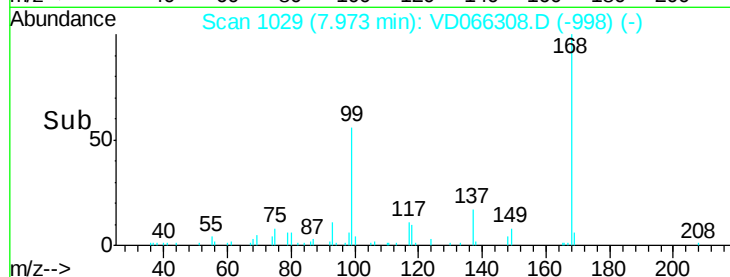
121 0.0 24.8 37.2#



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: 10.899 ug/l

RT: 9.58 min Scan# 1303

Delta R.T. 0.12 min

Lab File: VD066308.D

Acq: 19 Aug 2020 07:11

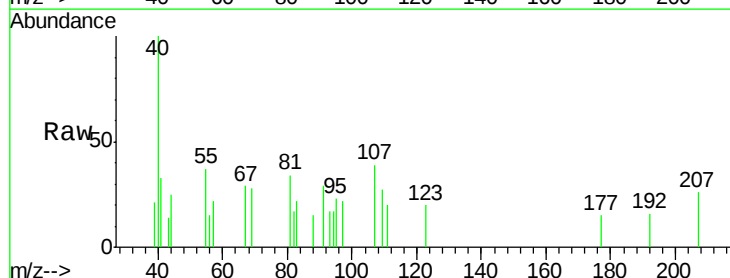
Tgt Ion: 88 Resp: 56

Ion Ratio Lower Upper

88 100

43 557.1 27.5 41.3#

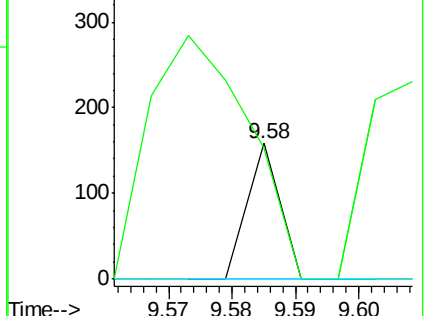
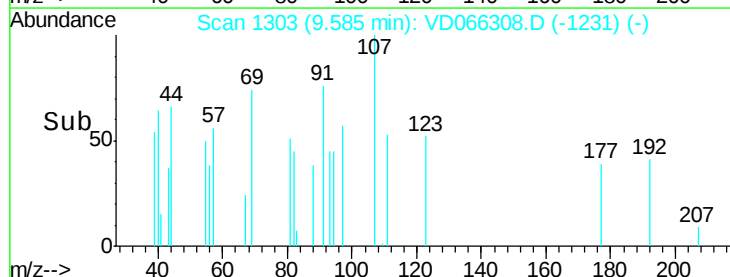
58 0.0 50.2 75.4#

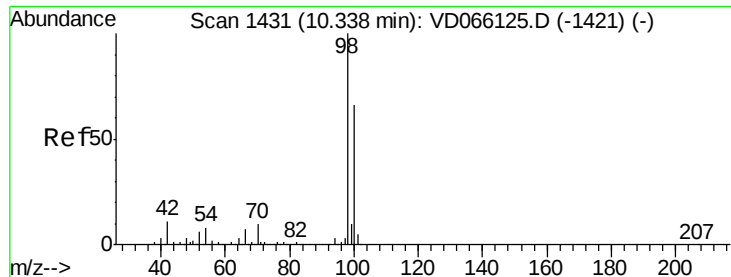


Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

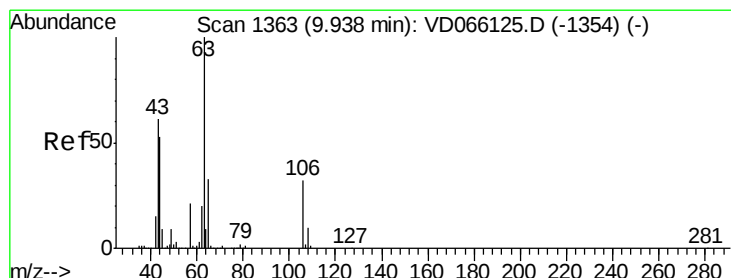
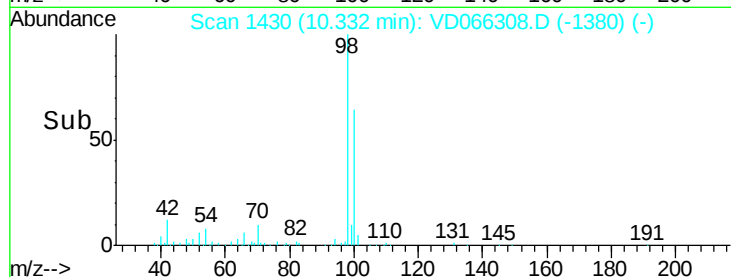
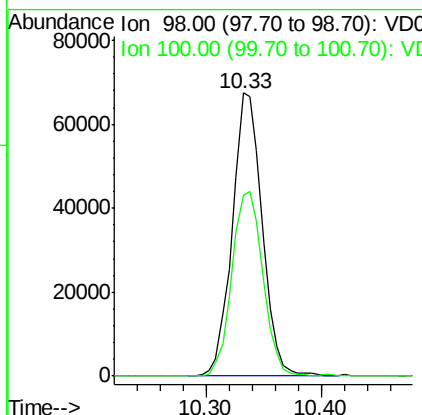
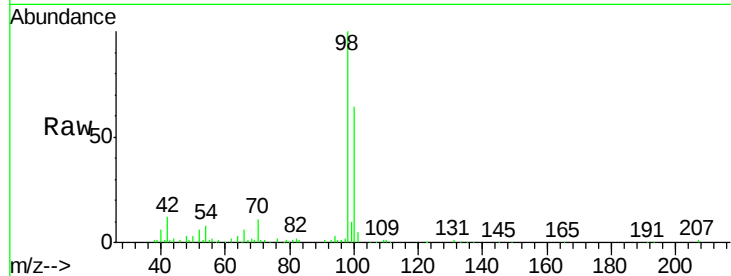




#50
Toluene-d8
Concen: 45.494 ug/l
RT: 10.33 min Scan# 1430
Delta R.T. -0.01 min
Lab File: VD066308.D
Acq: 19 Aug 2020 07:11

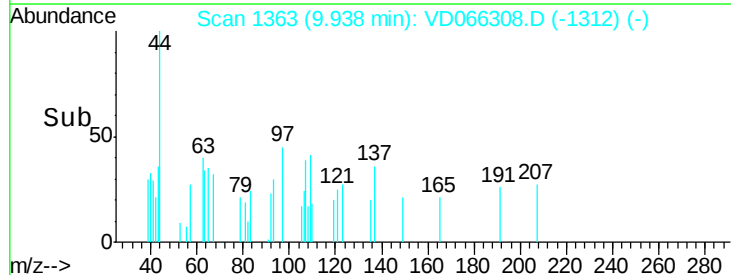
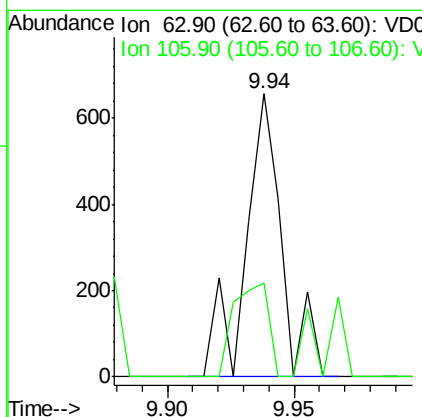
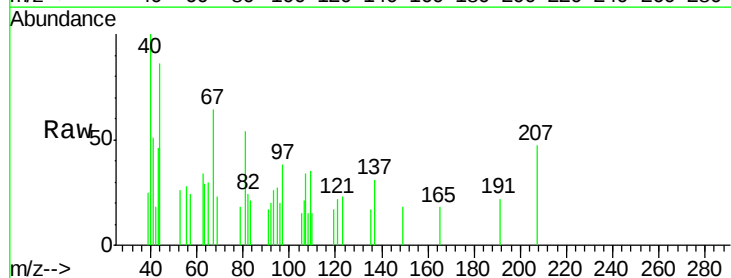
Instrument :
MSVOA_D
ClientSampleId :
CHRT-26572

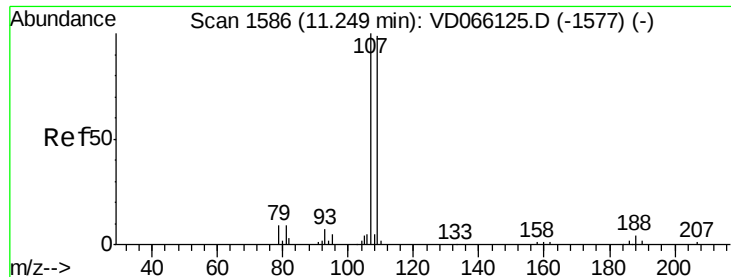
Tgt Ion: 98 Resp: 121114
Ion Ratio Lower Upper
98 100
100 67.4 52.6 78.8



#58
2-Chloroethyl Vinyl ether
Concen: 2.108 ug/l
RT: 9.94 min Scan# 1363
Delta R.T. 0.00 min
Lab File: VD066308.D
Acq: 19 Aug 2020 07:11

Tgt Ion: 63 Resp: 656
Ion Ratio Lower Upper
63 100
106 31.9 25.3 37.9





#61

1,2-Dibromoethane

Concen: 1.194 ug/l

RT: 11.31 min Scan# 1597

Delta R.T. 0.06 min

Lab File: VD066308.D

Acq: 19 Aug 2020 07:11

Instrument :

MSVOA_D

ClientSampleId :

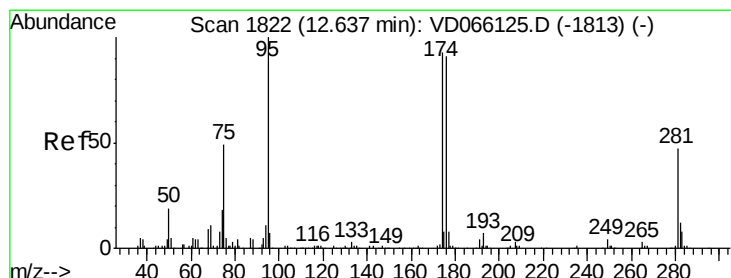
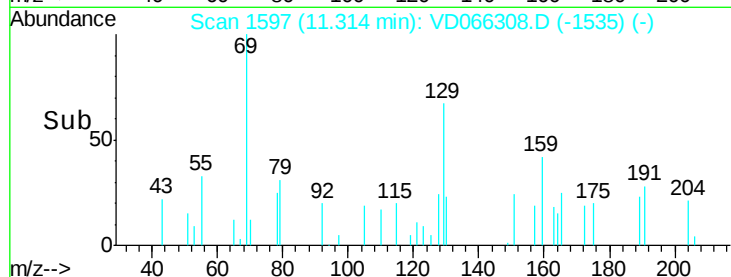
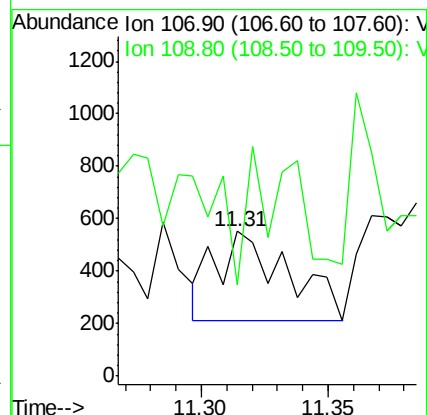
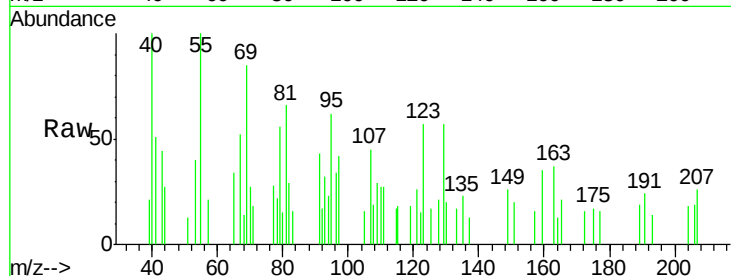
CHRT-26572

Tgt Ion:107 Resp: 661

Ion Ratio Lower Upper

107 100

109 100.3 76.5 114.7



#62

4-Bromofluorobenzene

Concen: 56.591 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.01 min

Lab File: VD066308.D

Acq: 19 Aug 2020 07:11

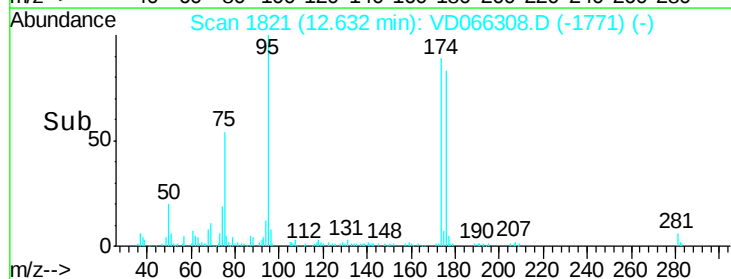
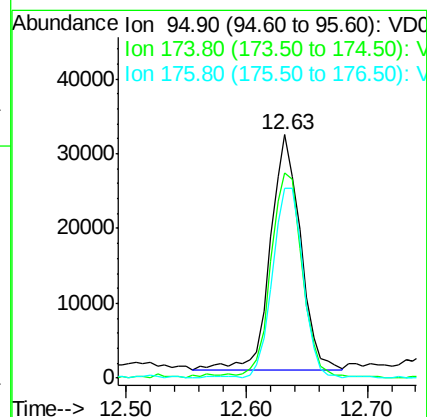
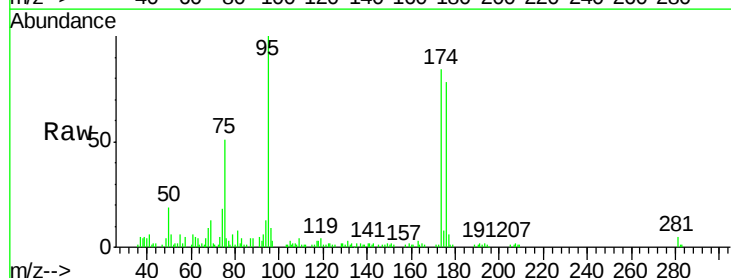
Tgt Ion: 95 Resp: 54306

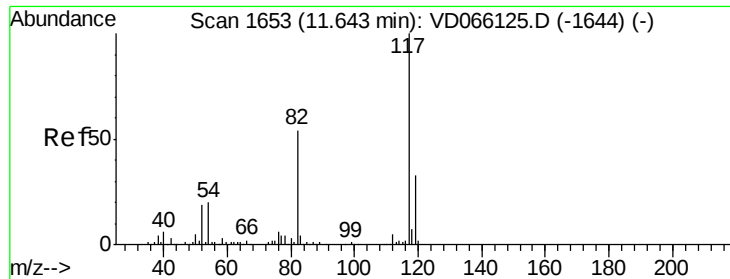
Ion Ratio Lower Upper

95 100

174 88.1 0.0 180.8

176 81.3 0.0 181.2

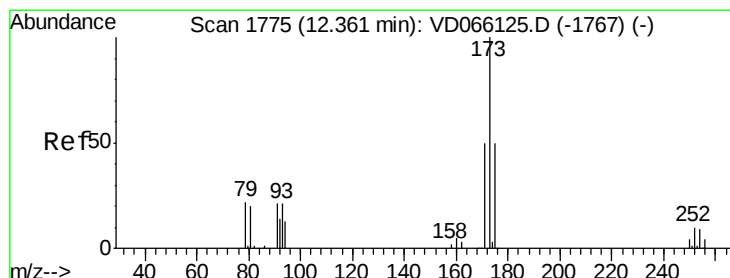
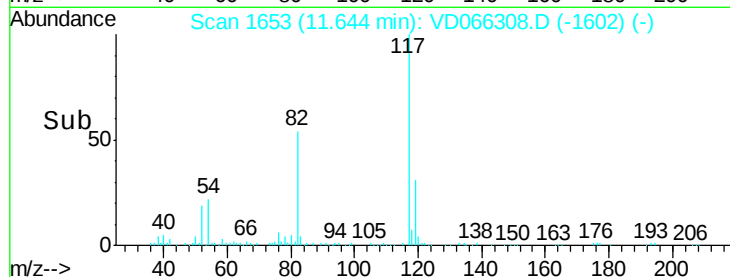
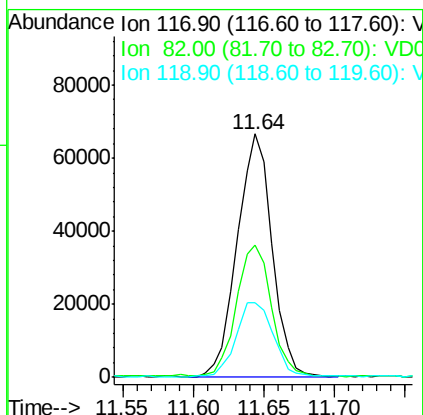
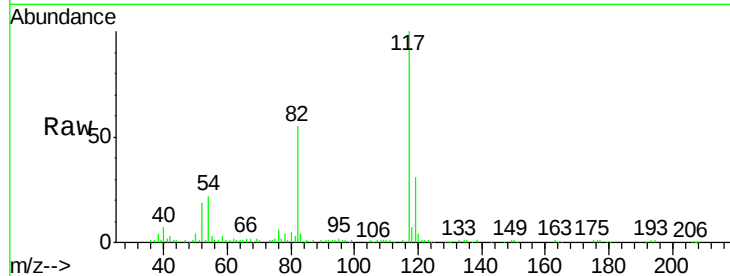




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066308.D
Acq: 19 Aug 2020 07:11

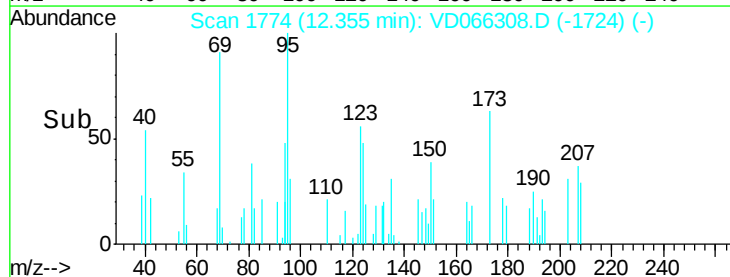
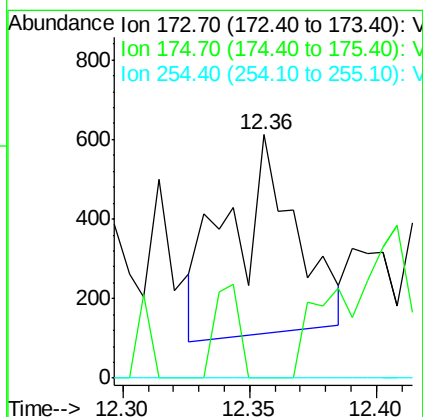
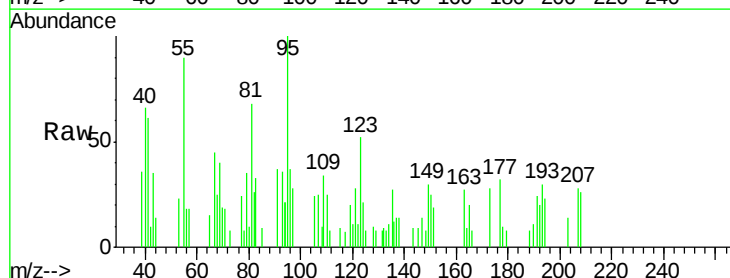
Instrument :
MSVOA_D
ClientSampleId :
CHRT-26572

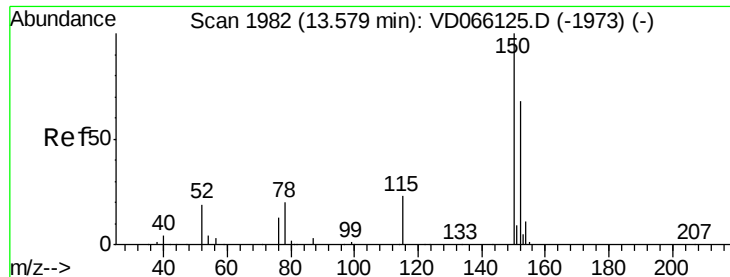
Tgt Ion:117 Resp: 115870
Ion Ratio Lower Upper
117 100
82 54.1 43.0 64.4
119 30.4 26.1 39.1



#71
Bromoform
Concen: 1.667 ug/l
RT: 12.36 min Scan# 1774
Delta R.T. -0.01 min
Lab File: VD066308.D
Acq: 19 Aug 2020 07:11

Tgt Ion:173 Resp: 909
Ion Ratio Lower Upper
173 100
175 17.6 24.6 73.6#
254 0.0 0.2 0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD066308.D

Acq: 19 Aug 2020 07:11

Instrument :

MSVOA_D

ClientSampleId :

CHRT-26572

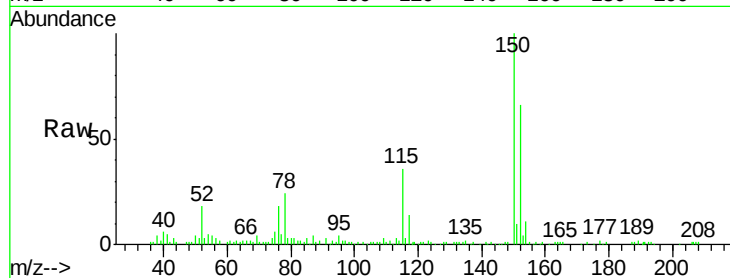
Tgt Ion:152 Resp: 52295

Ion Ratio Lower Upper

152 100

115 56.7 28.0 83.9

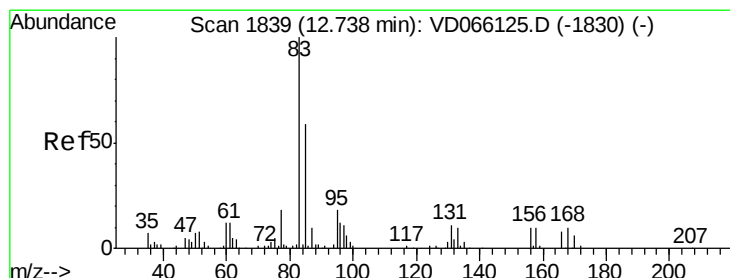
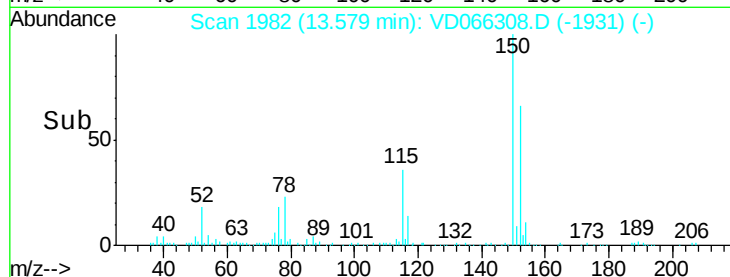
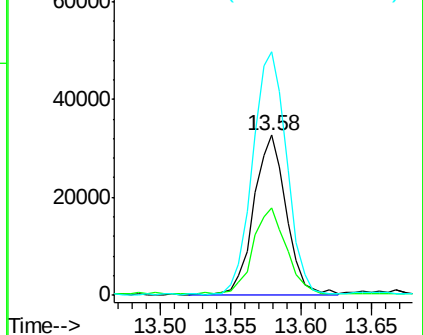
150 162.1 0.0 346.4



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



#75

1,1,2,2-Tetrachloroethane

Concen: 11.395 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.03 min

Lab File: VD066308.D

Acq: 19 Aug 2020 07:11

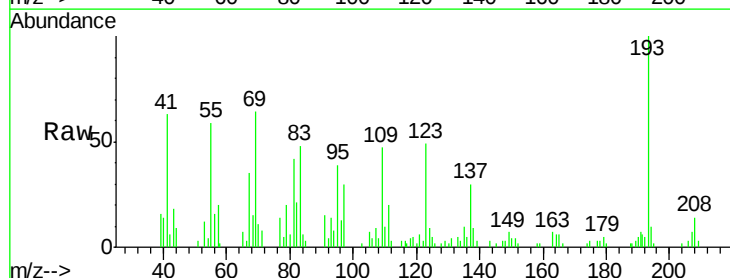
Tgt Ion: 83 Resp: 6783

Ion Ratio Lower Upper

83 100

131 5.1 6.2 18.6#

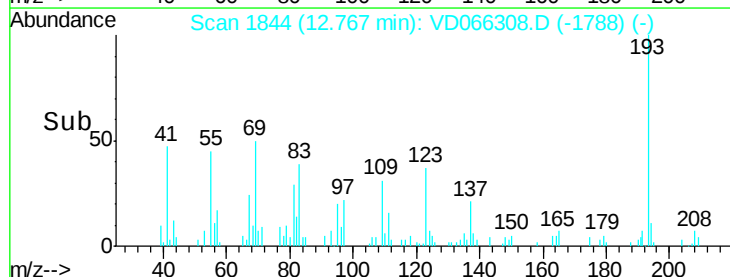
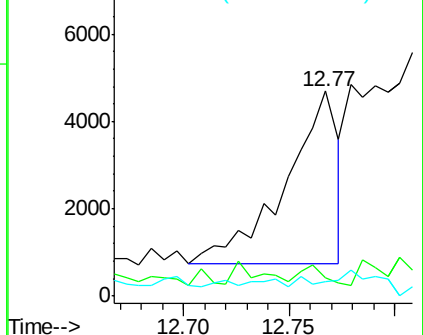
85 0.0 32.4 97.2#

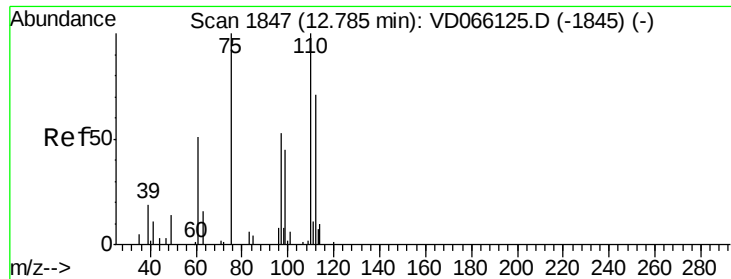


Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V





#76

1,2,3-Trichloropropane

Concen: 61.141 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.15 min

Lab File: VD066308.D

Acq: 19 Aug 2020 07:11

Instrument :

MSVOA_D

ClientSampleId :

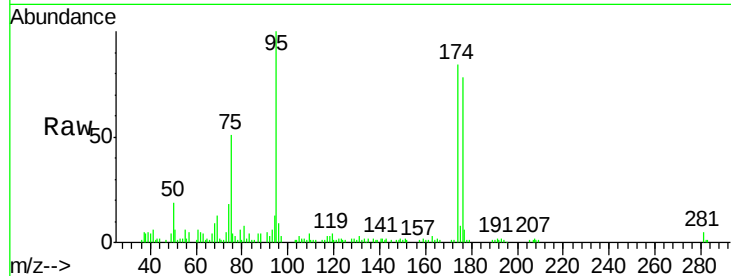
CHRT-26572

Tgt Ion: 75 Resp: 26664

Ion Ratio Lower Upper

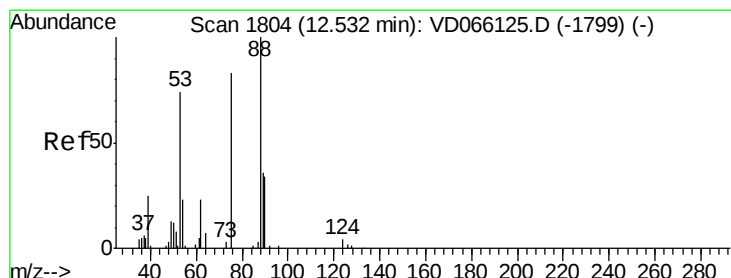
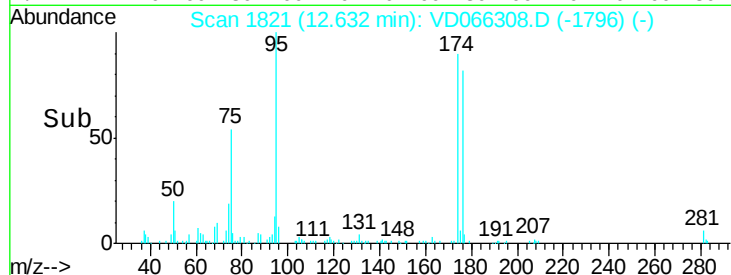
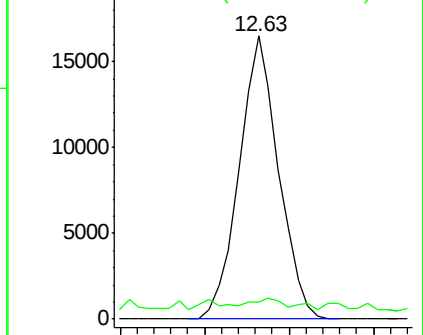
75 100

77 3.7 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: 135.157 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. 0.10 min

Lab File: VD066308.D

Acq: 19 Aug 2020 07:11

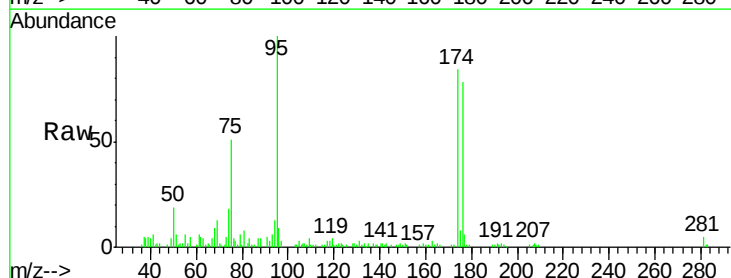
Tgt Ion: 75 Resp: 26664

Ion Ratio Lower Upper

75 100

53 1.0 73.4 110.2#

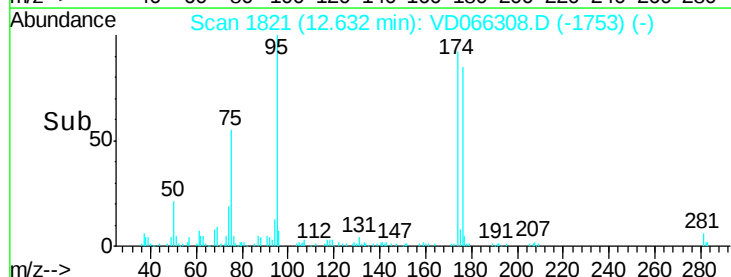
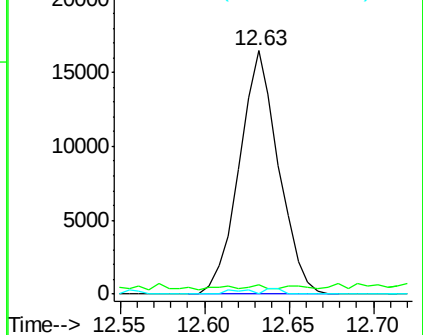
89 1.0 36.6 55.0#

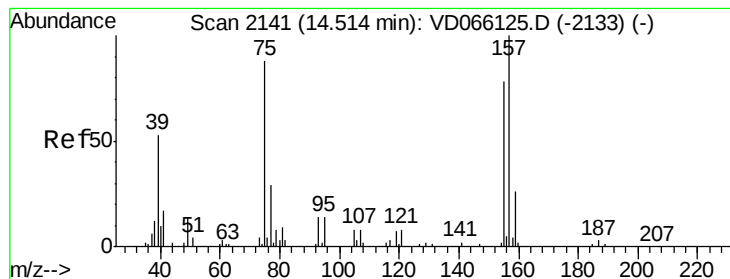


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC





#92

1,2-Dibromo-3-Chloropropane

Concen: 4.262 ug/l

RT: 14.58 min Scan# 2152

Delta R.T. 0.06 min

Lab File: VD066308.D

Acq: 19 Aug 2020 07:11

Instrument :

MSVOA_D

ClientSampleId :

CHRT-26572

Tgt Ion: 75 Resp: 436

Ion Ratio Lower Upper

75 100

155 21.8 47.7 143.1#

157 161.2 62.1 186.2

