

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD081820\
 Data File : VD066307.D
 Acq On : 19 Aug 2020 06:44
 Operator : VA/SY
 Sample : L3712-02
 Misc : 8.34G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CHRT-27137

Quant Time: Aug 19 08:51:14 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	69911	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	123550	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	90646	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	31731	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	61144	98.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	196.06%	
35) Dibromofluoromethane	7.91	113	49449	63.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	126.36%	
50) Toluene-d8	10.34	98	93238	32.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	64.56%	
62) 4-Bromofluorobenzene	12.63	95	34255	32.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	65.80%	

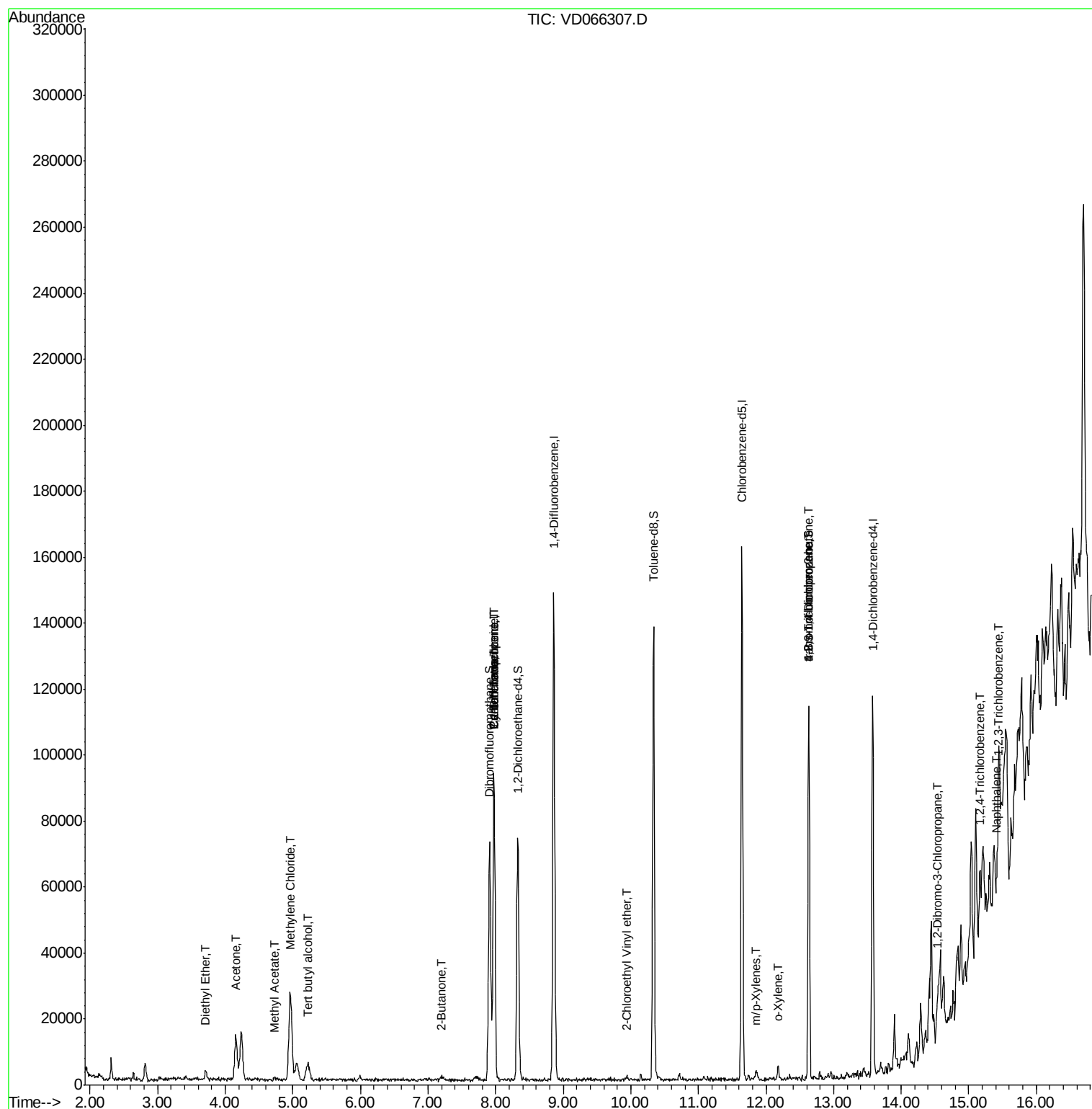
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.71	74	1207	3.868	ug/l	89
11) Tert butyl alcohol	5.21	59	9322	191.226	ug/l #	93
16) Acetone	4.16	43	23218	196.189	ug/l	95
18) Methyl Acetate	4.73	43	1490	4.957	ug/l #	48
20) Methylene Chloride	4.97	84	20920	28.803	ug/l	92
25) 2-Butanone	7.20	43	791	4.544	ug/l #	47
31) Cyclohexane	7.98	56	1607	1.471	ug/l #	53
36) 1,1-Dichloropropene	7.97	75	4750	4.091	ug/l #	47
38) Carbon Tetrachloride	7.97	117	6846	5.288	ug/l #	18
58) 2-Chloroethyl Vinyl ether	9.94	63	488	1.446	ug/l #	43
68) m/p-Xylenes	11.84	106	1322	1.070	ug/l	93
69) o-Xylene	12.18	106	1146	1.020	ug/l	75
76) 1,2,3-Trichloropropane	12.63	75	17199	64.997	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.63	75	17199	143.679	ug/l #	13
92) 1,2-Dibromo-3-Chloropropan	14.54	75	70	1.128	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.17	180	769	1.151	ug/l #	1
95) Naphthalene	15.41	128	2155	1.980	ug/l #	78
96) 1,2,3-Trichlorobenzene	15.43	180	840	1.425	ug/l	67

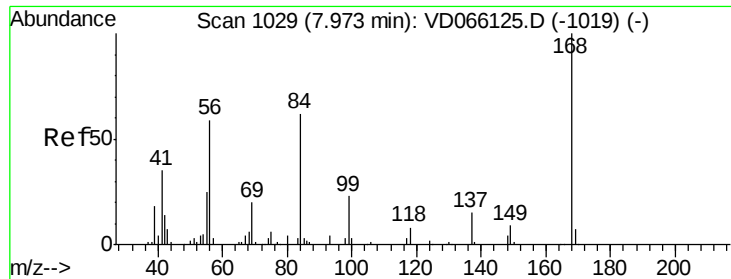
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VD066307.D

Acq: 19 Aug 2020 06:44

Instrument :

MSVOA_D

ClientSampleId :

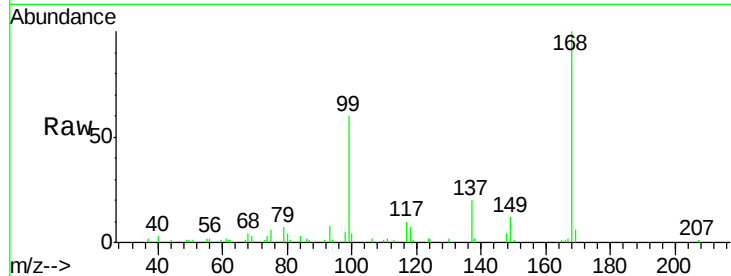
CHRT-27137

Tgt Ion:168 Resp: 69911

Ion Ratio Lower Upper

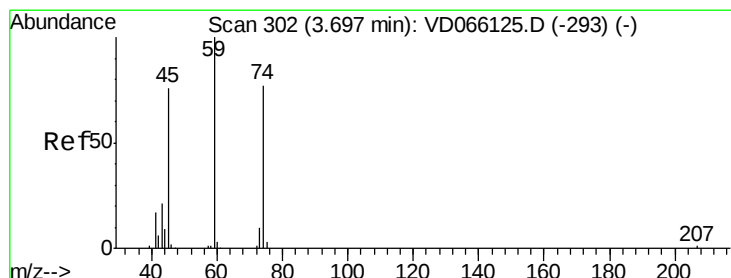
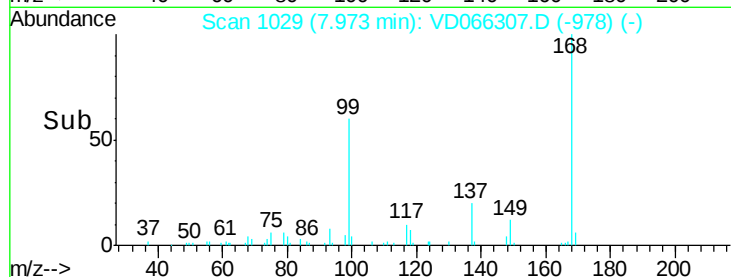
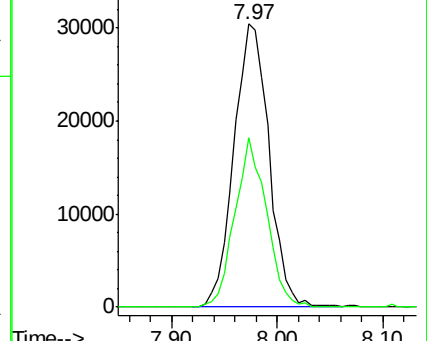
168 100

99 59.8 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: 3.868 ug/l

RT: 3.71 min Scan# 304

Delta R.T. 0.01 min

Lab File: VD066307.D

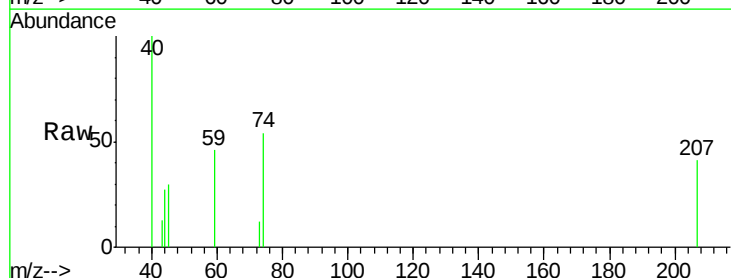
Acq: 19 Aug 2020 06:44

Tgt Ion: 74 Resp: 1207

Ion Ratio Lower Upper

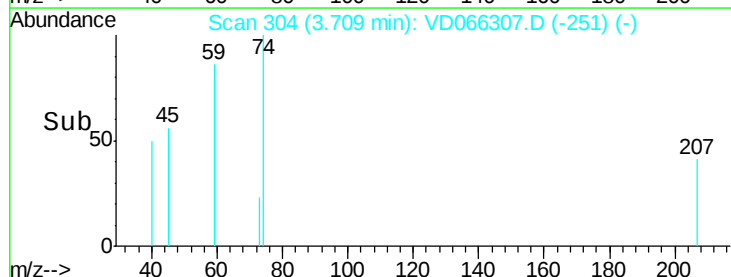
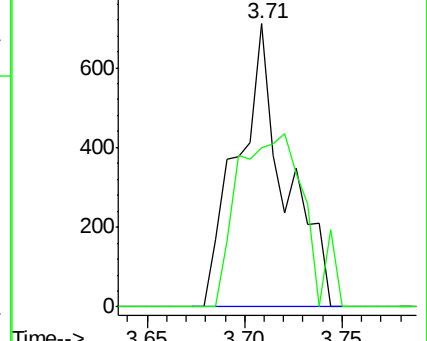
74 100

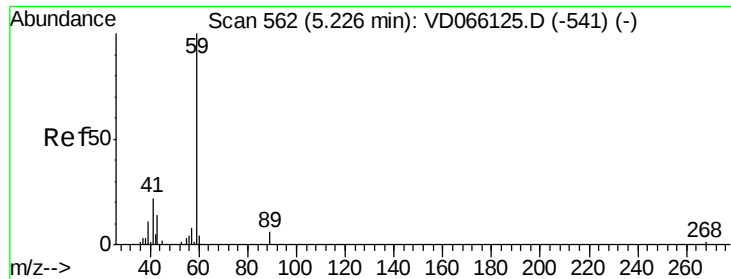
45 86.2 48.4 145.2



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC

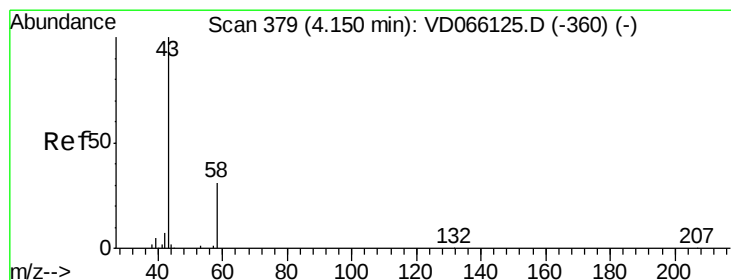
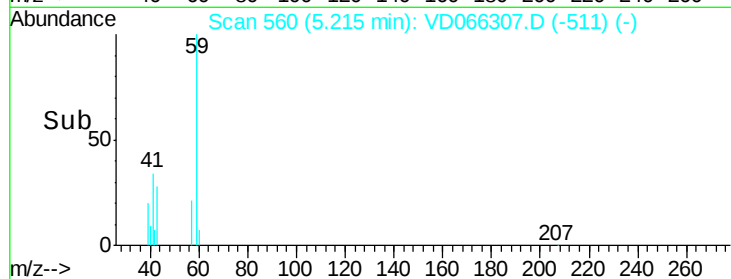
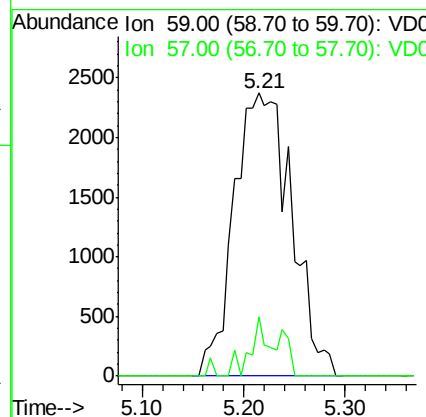
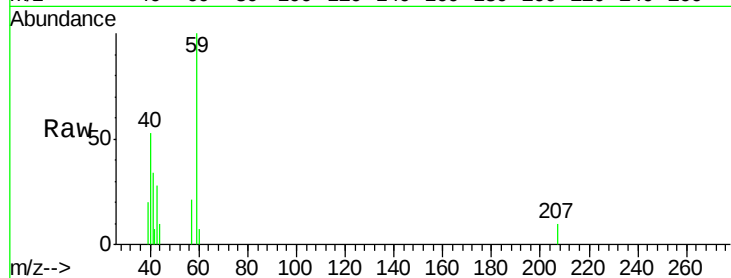




#11
Tert butyl alcohol
Concen: 191.226 ug/l
RT: 5.21 min Scan# 560
Delta R.T. -0.01 min
Lab File: VD066307.D
Acq: 19 Aug 2020 06:44

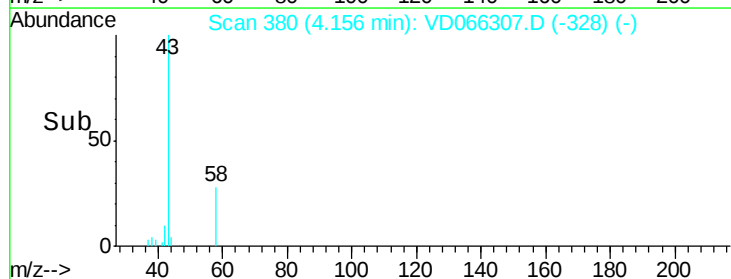
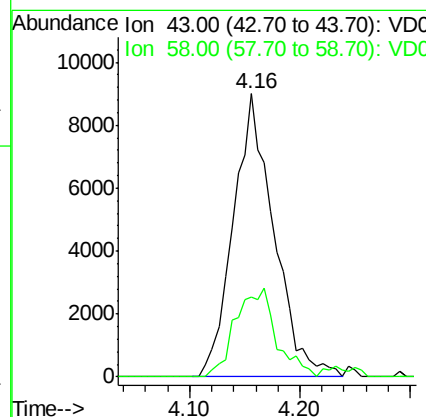
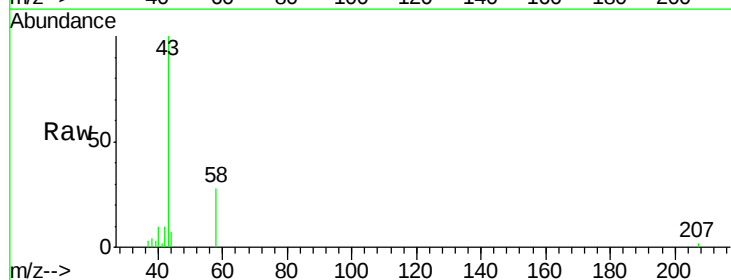
Instrument :
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CHRT-27137

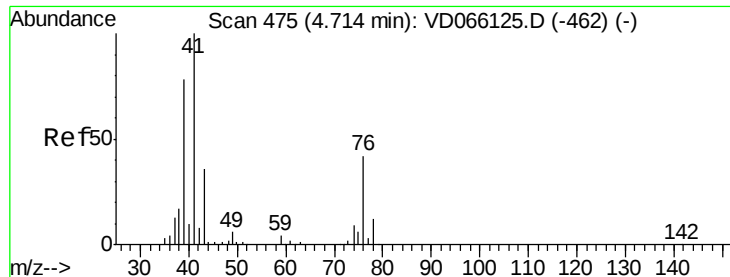
Tgt Ion: 59 Resp: 9322
Ion Ratio Lower Upper
59 100
57 6.0 7.0 10.4#



#16
Acetone
Concen: 196.189 ug/l
RT: 4.16 min Scan# 380
Delta R.T. 0.01 min
Lab File: VD066307.D
Acq: 19 Aug 2020 06:44

Tgt Ion: 43 Resp: 23218
Ion Ratio Lower Upper
43 100
58 28.3 24.7 37.1

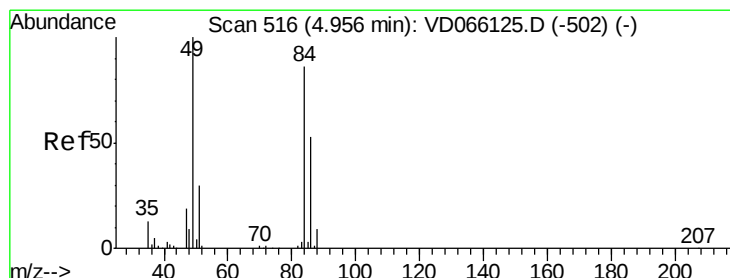
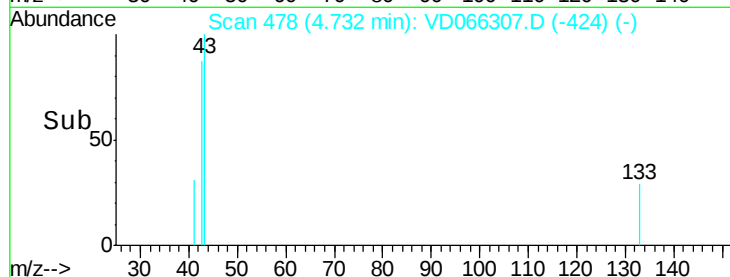
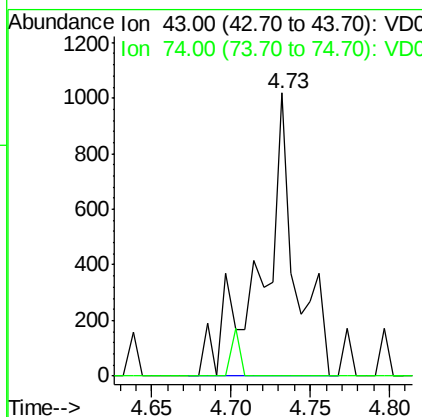
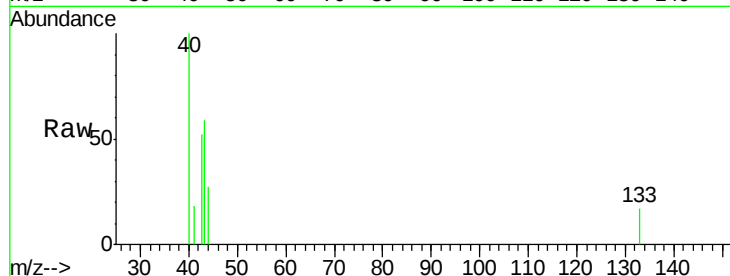




#18
Methyl Acetate
Concen: 4.957 ug/l
RT: 4.73 min Scan# 478
Delta R.T. 0.02 min
Lab File: VD066307.D
Acq: 19 Aug 2020 06:44

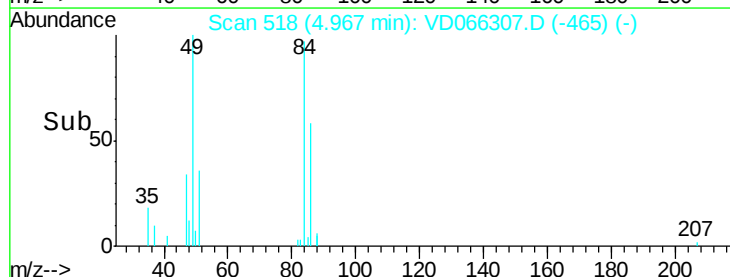
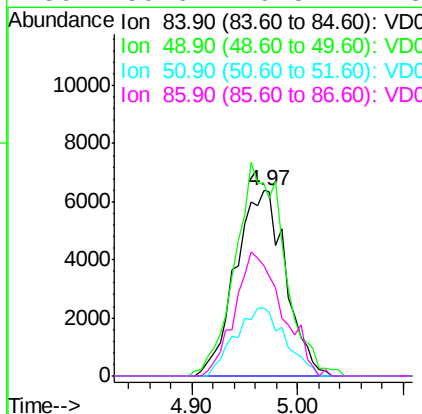
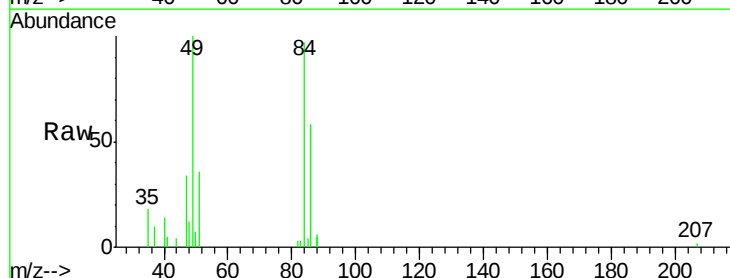
Instrument :
MSVOA_D
ClientSampleId :
CHRT-27137

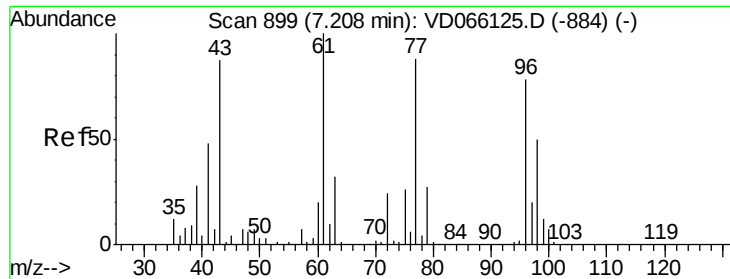
Tgt Ion: 43 Resp: 1490
Ion Ratio Lower Upper
43 100
74 0.0 21.2 31.8#



#20
Methylene Chloride
Concen: 28.803 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD066307.D
Acq: 19 Aug 2020 06:44

Tgt Ion: 84 Resp: 20920
Ion Ratio Lower Upper
84 100
49 103.4 93.5 140.3
51 36.9 28.2 42.4
86 59.6 49.5 74.3





#25

2-Butanone

Concen: 4.544 ug/l

RT: 7.20 min Scan# 897

Delta R.T. -0.01 min

Lab File: VD066307.D

Acq: 19 Aug 2020 06:44

Instrument :

MSVOA_D

ClientSampleId :

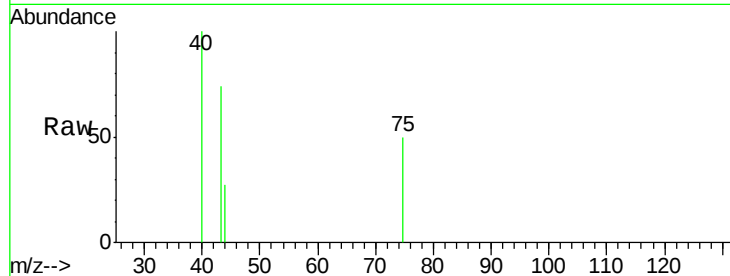
CHRT-27137

Tgt Ion: 43 Resp: 791

Ion Ratio Lower Upper

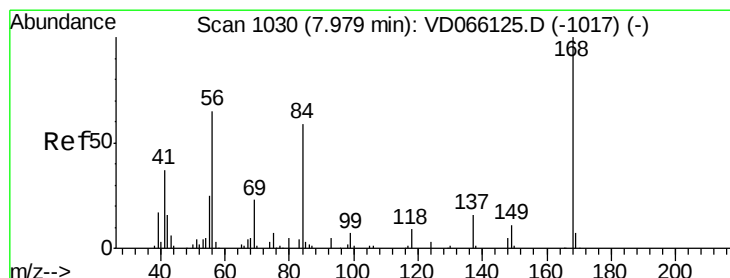
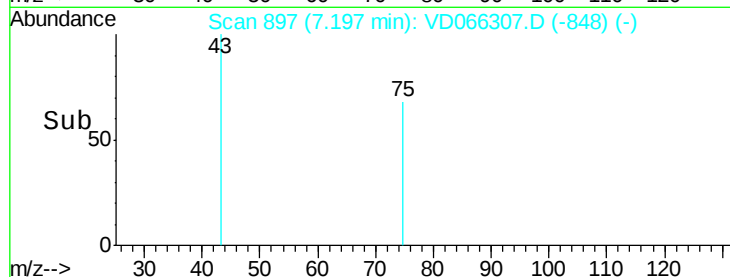
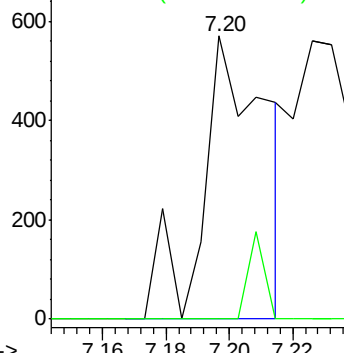
43 100

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: 1.471 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD066307.D

Acq: 19 Aug 2020 06:44

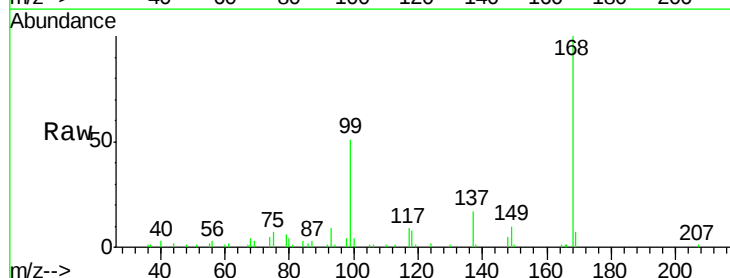
Tgt Ion: 56 Resp: 1607

Ion Ratio Lower Upper

56 100

69 96.5 28.8 43.2#

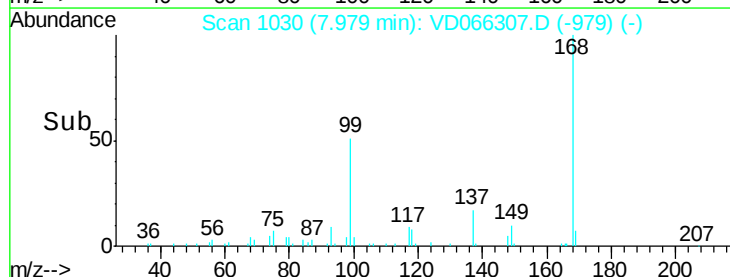
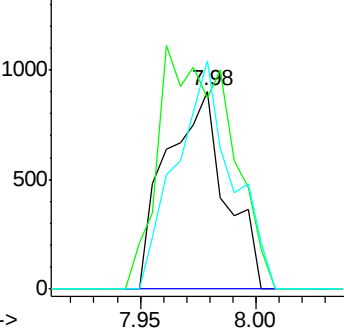
84 115.2 73.0 109.6#

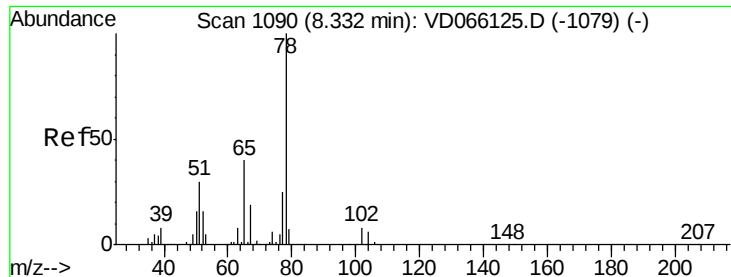


Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC





#33

1,2-Dichloroethane-d4

Concen: 98.032 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD066307.D

Acq: 19 Aug 2020 06:44

Instrument :

MSVOA_D

ClientSampleId :

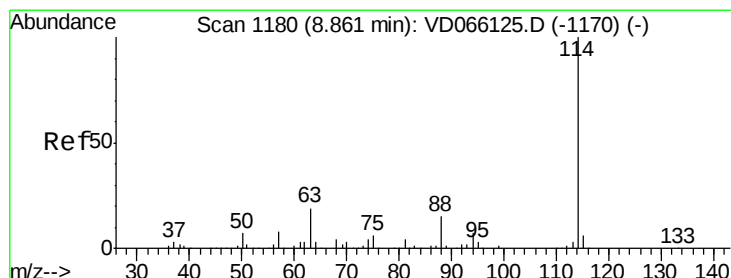
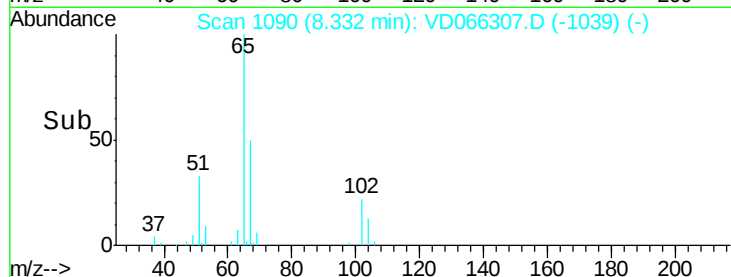
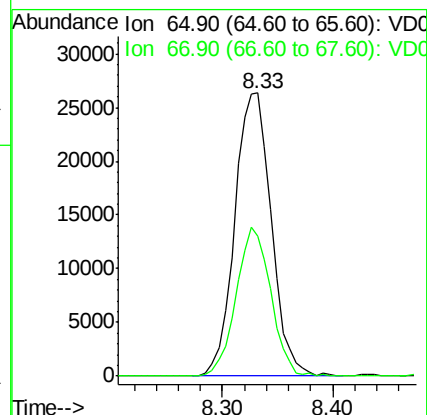
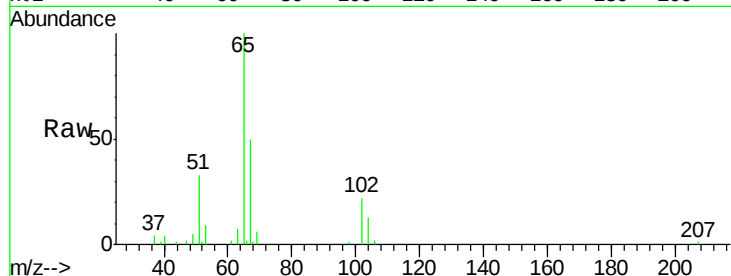
CHRT-27137

Tgt Ion: 65 Resp: 61144

Ion Ratio Lower Upper

65 100

67 49.9 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: VD066307.D

Acq: 19 Aug 2020 06:44

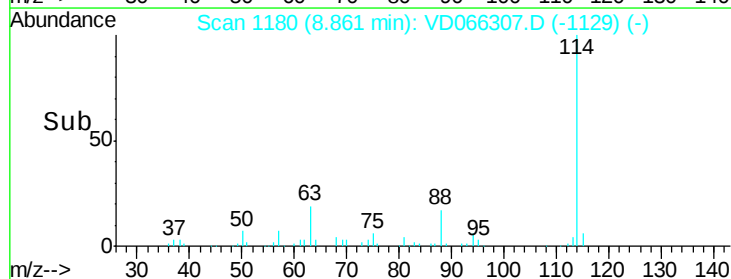
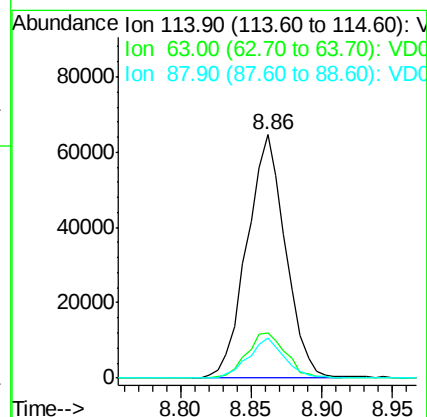
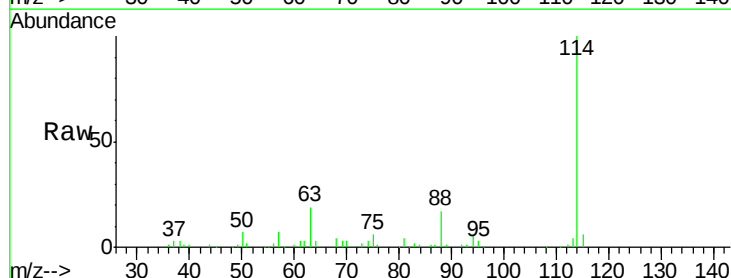
Tgt Ion: 114 Resp: 123550

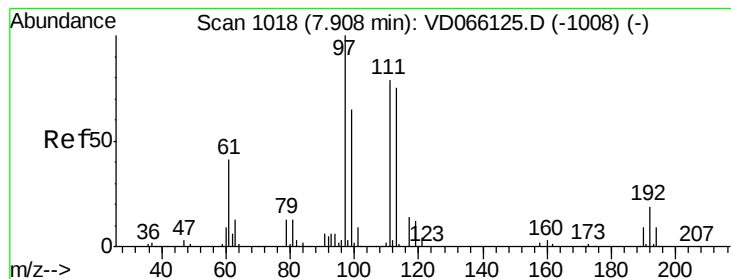
Ion Ratio Lower Upper

114 100

63 18.6 0.0 38.6

88 16.5 0.0 30.0





#35

Dibromofluoromethane

Concen: 63.179 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VD066307.D

Acq: 19 Aug 2020 06:44

Instrument :

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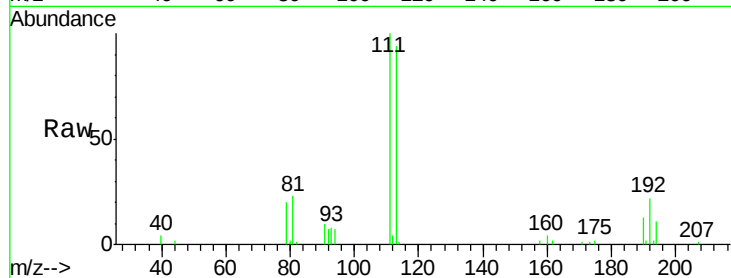
Tgt Ion:113 Resp: 49449

Ion Ratio Lower Upper

113 100

111 106.9 80.7 121.1

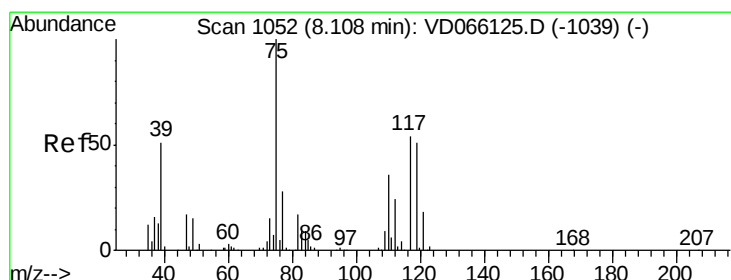
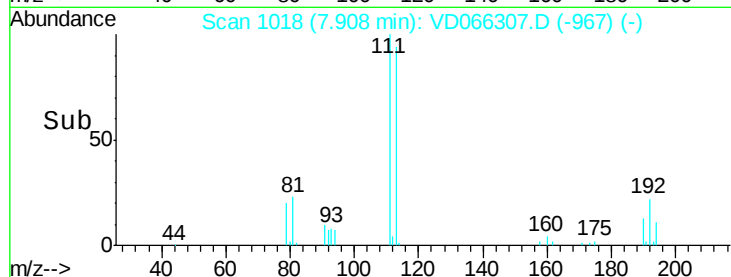
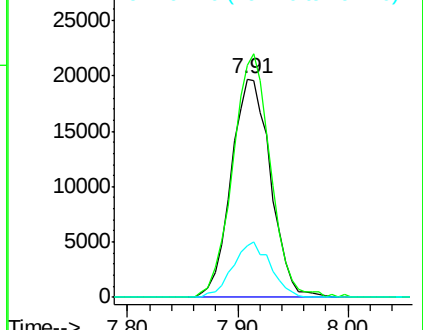
192 24.3 18.4 27.6



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: 4.091 ug/l

RT: 7.97 min Scan# 1028

Delta R.T. -0.14 min

Lab File: VD066307.D

Acq: 19 Aug 2020 06:44

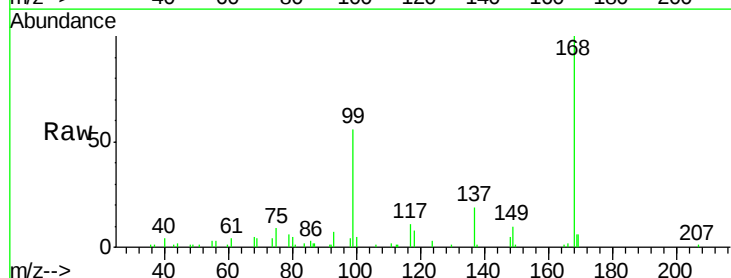
Tgt Ion: 75 Resp: 4750

Ion Ratio Lower Upper

75 100

110 7.4 18.8 56.3#

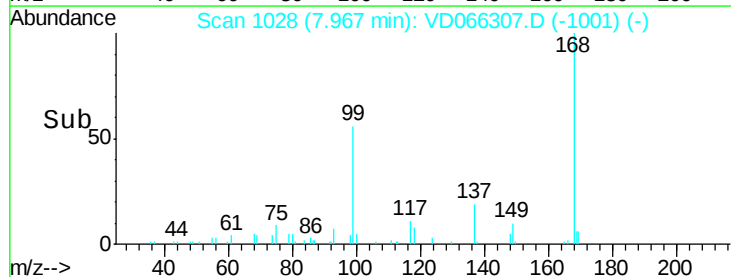
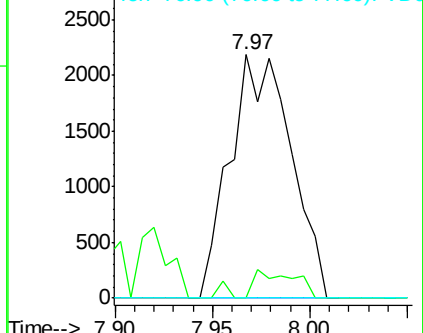
77 0.0 24.2 36.2#

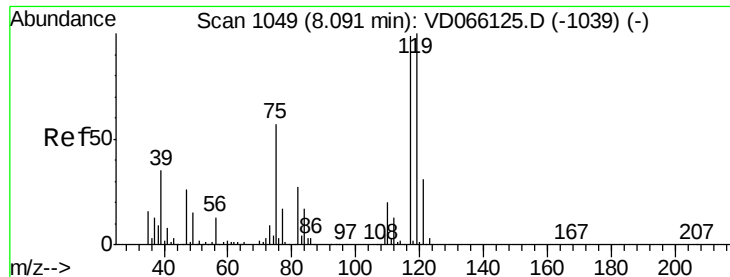


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VDC





#38

Carbon Tetrachloride

Concen: 5.288 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.12 min

Lab File: VD066307.D

Acq: 19 Aug 2020 06:44

Instrument :

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ClientSampleId :

CHRT-27137

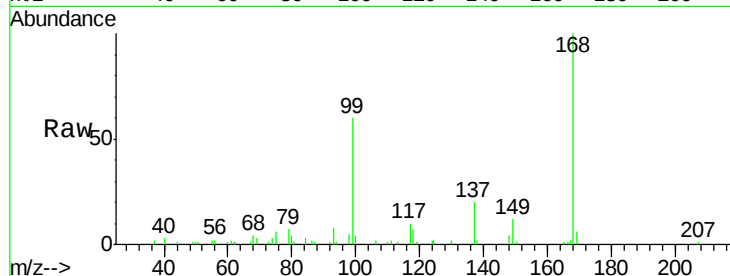
Tgt Ion:117 Resp: 6846

Ion Ratio Lower Upper

117 100

119 10.5 81.0 121.4#

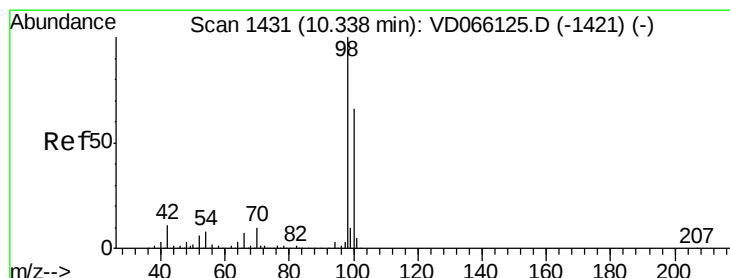
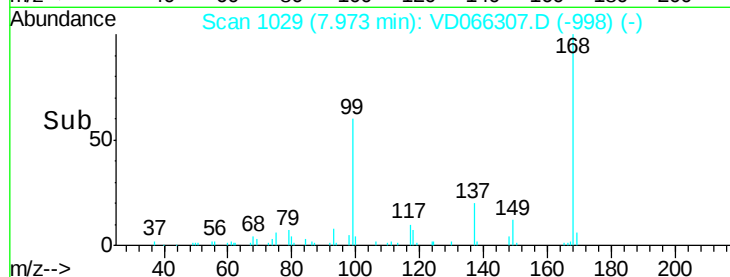
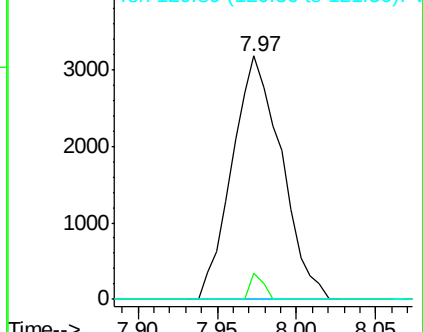
121 0.0 24.8 37.2#



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



#50

Toluene-d8

Concen: 32.282 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD066307.D

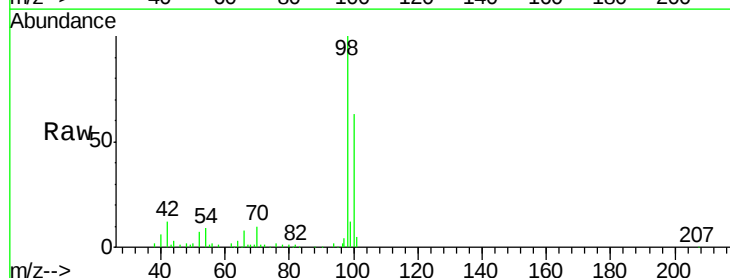
Acq: 19 Aug 2020 06:44

Tgt Ion: 98 Resp: 93238

Ion Ratio Lower Upper

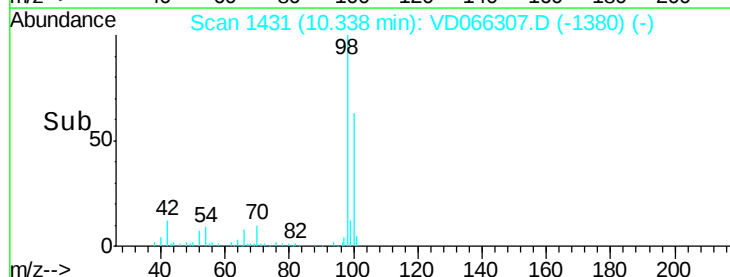
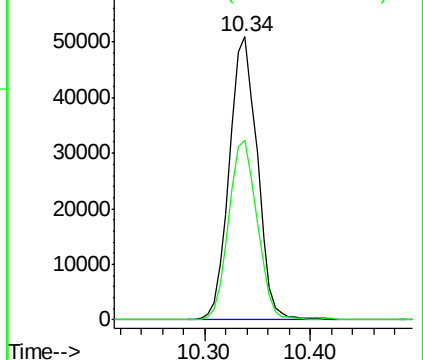
98 100

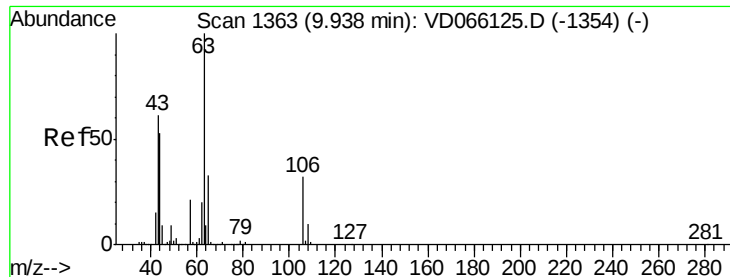
100 64.4 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#58

2-Chloroethyl Vinyl ether

Concen: 1.446 ug/l

RT: 9.94 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VD066307.D

Acq: 19 Aug 2020 06:44

Instrument :

MSVOA_D

ClientSampleId :

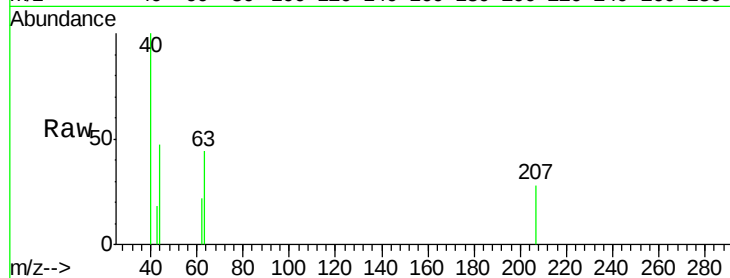
CHRT-27137

Tgt Ion: 63 Resp: 488

Ion Ratio Lower Upper

63 100

106 0.0 25.3 37.9#



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

9.94

400

300

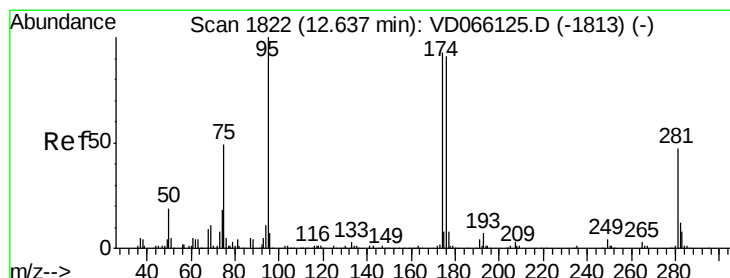
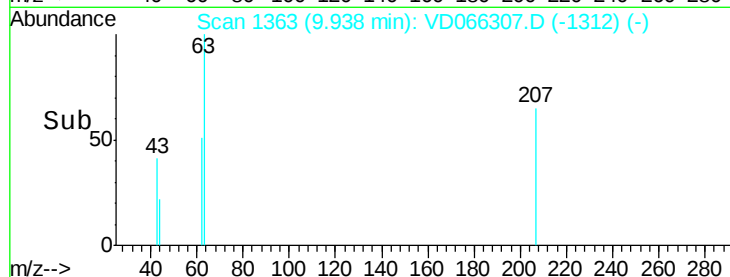
200

100

0

9.90 9.92 9.94 9.96

Time-->



#62

4-Bromofluorobenzene

Concen: 32.902 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.01 min

Lab File: VD066307.D

Acq: 19 Aug 2020 06:44

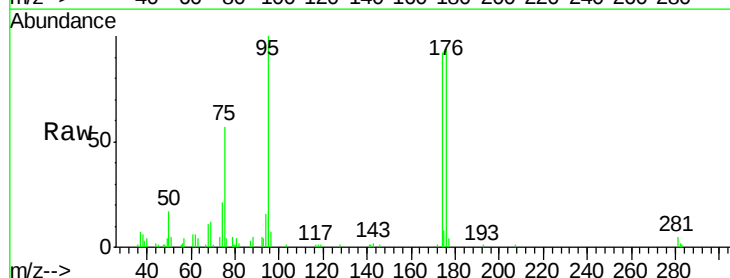
Tgt Ion: 95 Resp: 34255

Ion Ratio Lower Upper

95 100

174 91.8 0.0 180.8

176 88.8 0.0 181.2



Abundance Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.63

25000

20000

15000

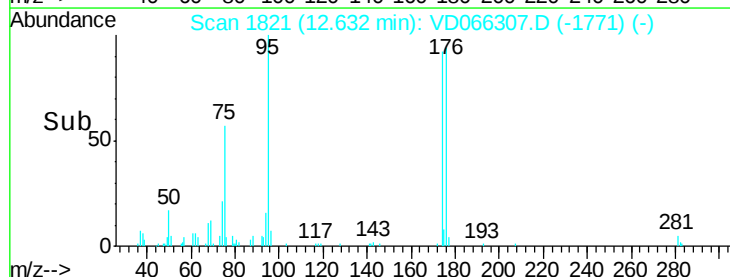
10000

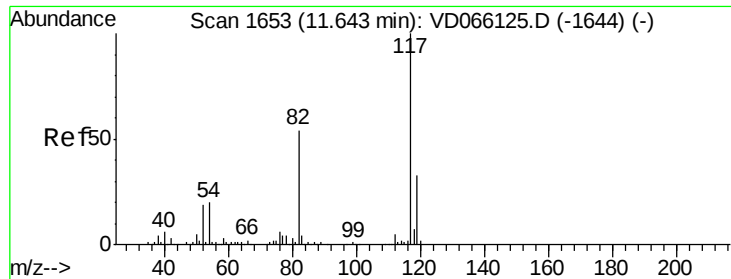
5000

0

12.60 12.65 12.70

Time-->

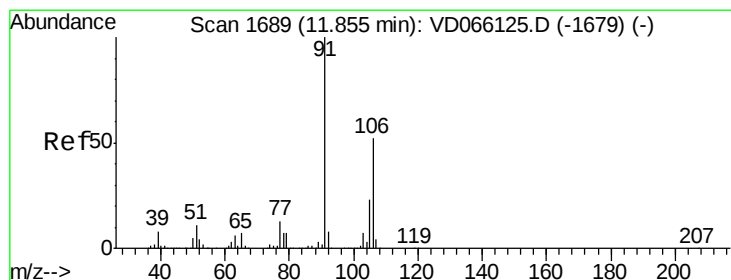
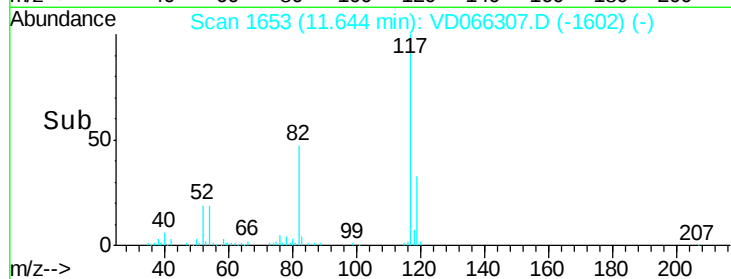
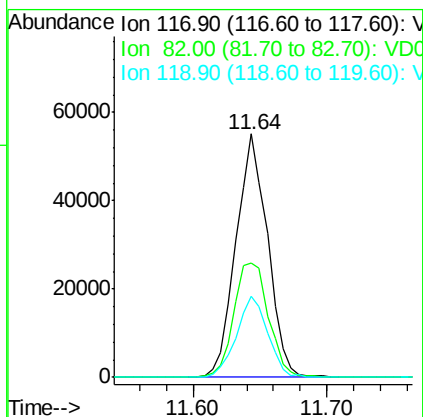
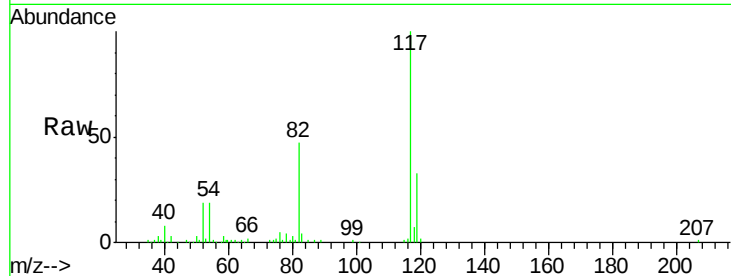




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066307.D
Acq: 19 Aug 2020 06:44

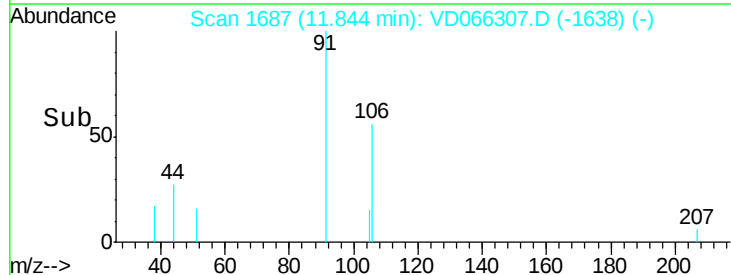
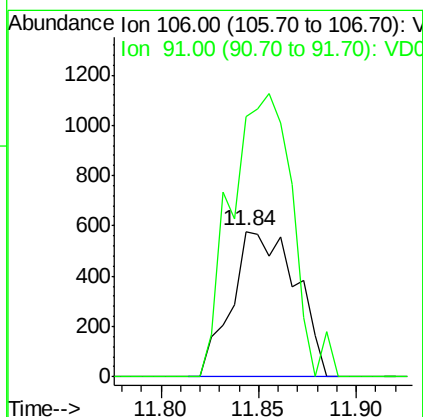
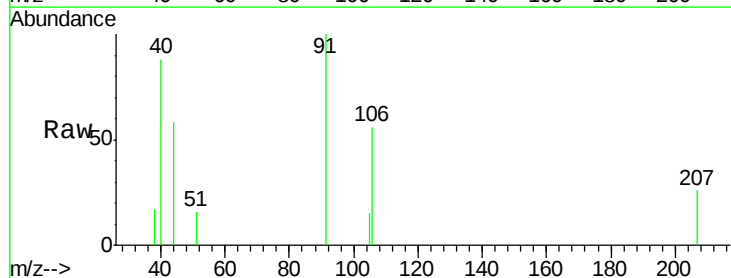
Instrument :
MSVOA_D
ClientSampleId :
CHRT-27137

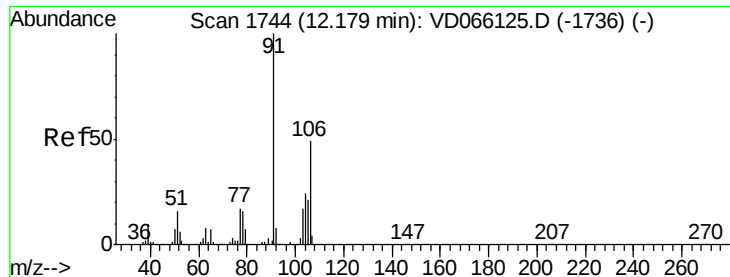
Tgt Ion:117 Resp: 90646
Ion Ratio Lower Upper
117 100
82 47.0 43.0 64.4
119 33.2 26.1 39.1



#68
m/p-Xylenes
Concen: 1.070 ug/l
RT: 11.84 min Scan# 1687
Delta R.T. -0.01 min
Lab File: VD066307.D
Acq: 19 Aug 2020 06:44

Tgt Ion:106 Resp: 1322
Ion Ratio Lower Upper
106 100
91 185.4 156.6 235.0

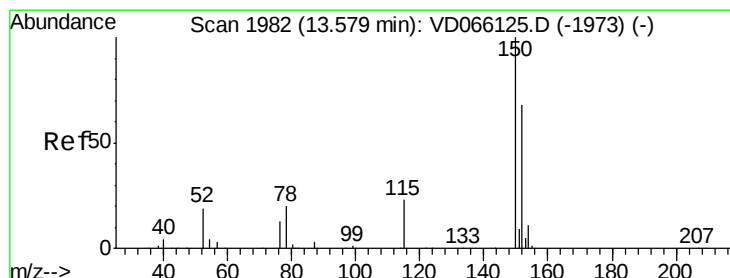
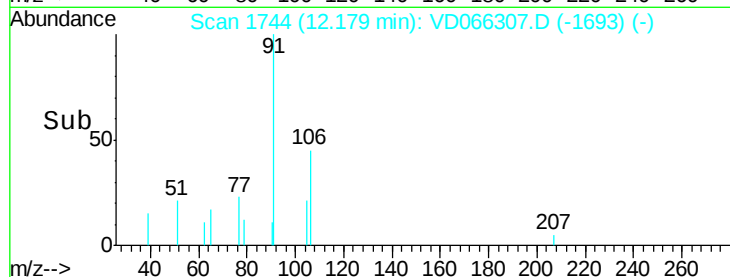
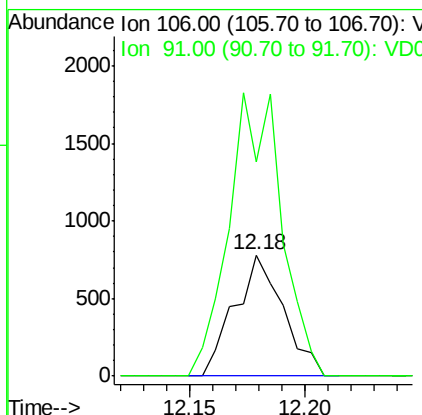
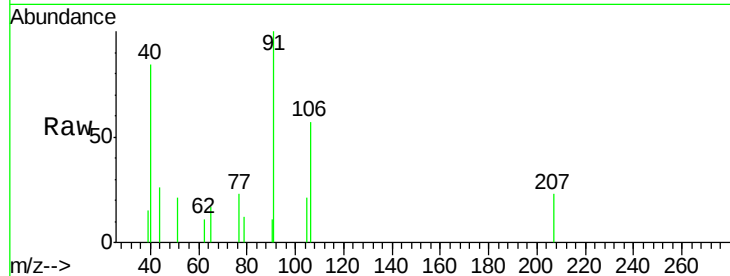




#69
o-Xylene
Concen: 1.020 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD066307.D
Acq: 19 Aug 2020 06:44

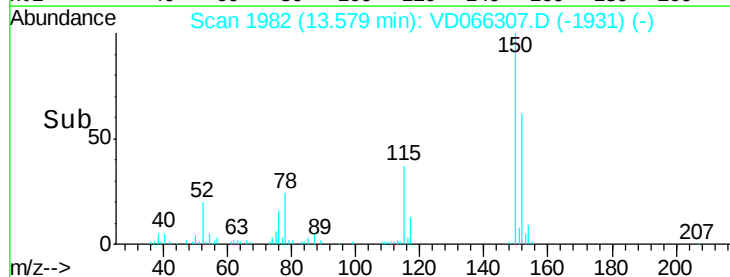
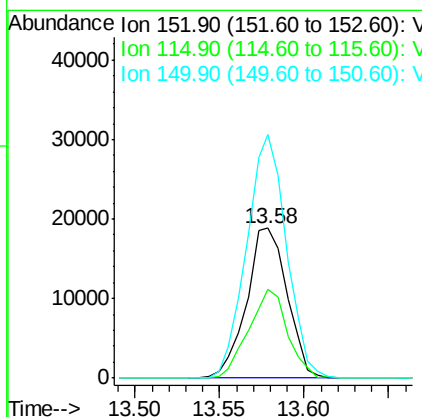
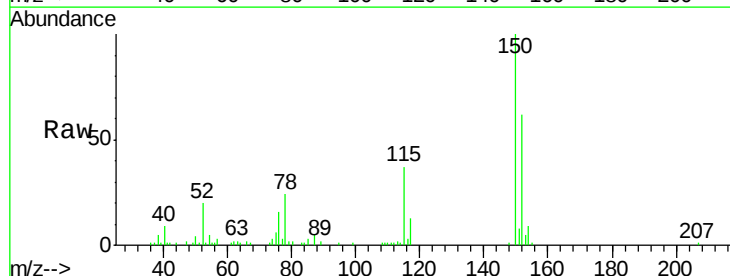
Instrument :
MSVOA_D
ClientSampleId :
CHRT-27137

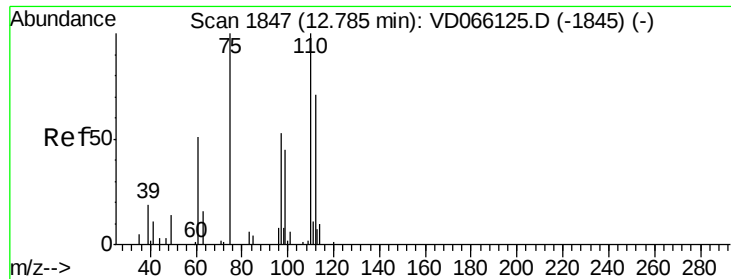
Tgt Ion:106 Resp: 1146
Ion Ratio Lower Upper
106 100
91 251.0 105.7 317.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066307.D
Acq: 19 Aug 2020 06:44

Tgt Ion:152 Resp: 31731
Ion Ratio Lower Upper
152 100
115 56.2 28.0 83.9
150 157.9 0.0 346.4

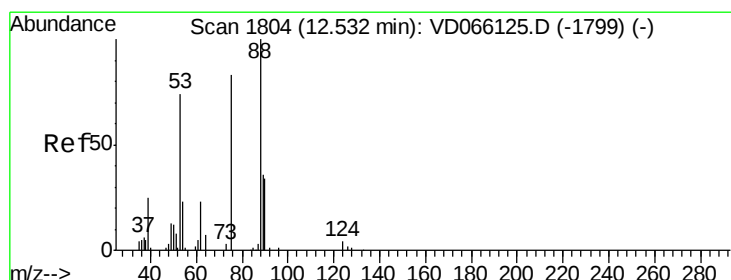
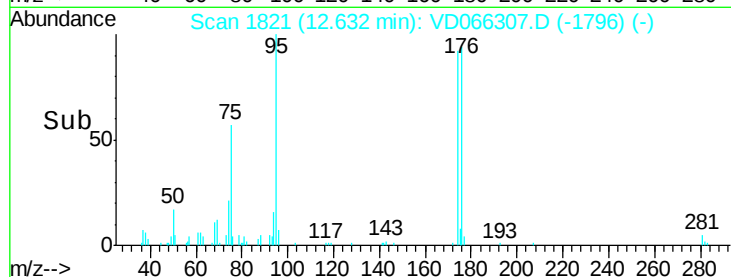
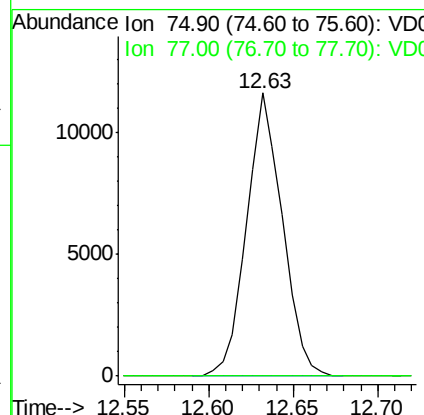
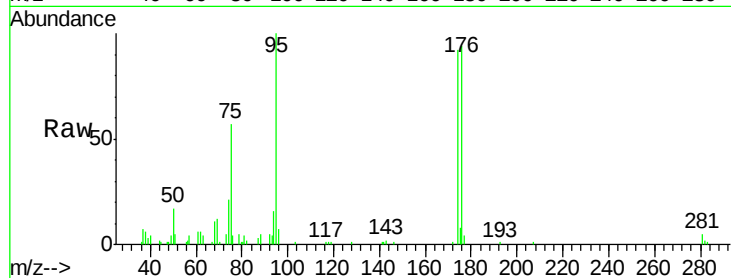




#76
 1,2,3-Trichloropropane
 Concen: 64.997 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.15 min
 Lab File: VD066307.D
 Acq: 19 Aug 2020 06:44

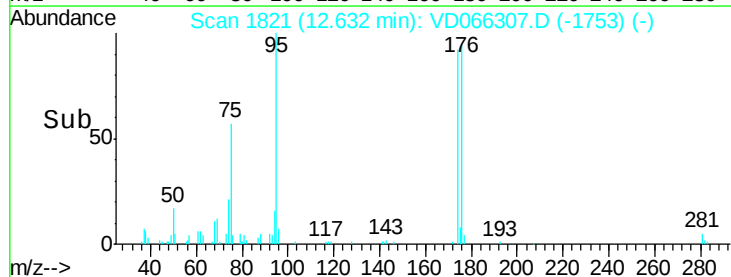
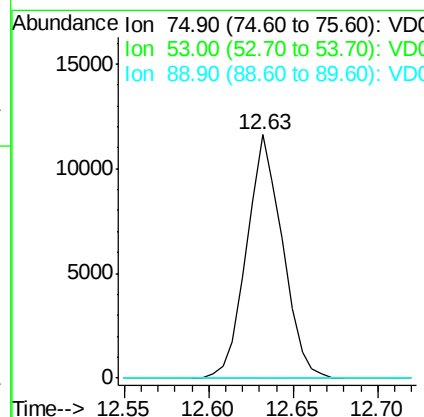
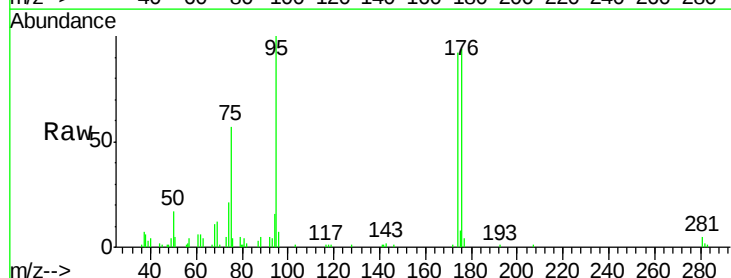
Instrument :
 MSVOA_D
 ClientSampleId :
 CHRT-27137

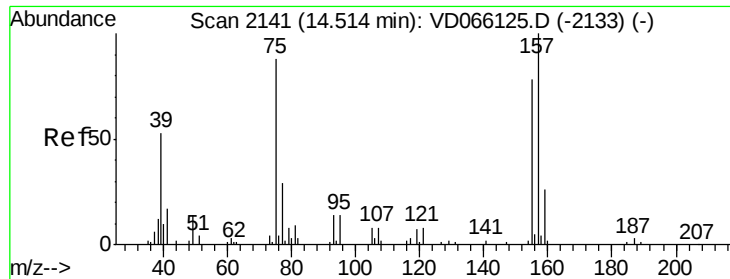
Tgt Ion: 75 Resp: 17199
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0



#81
 trans-1,4-Dichloro-2-butene
 Concen: 143.679 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.10 min
 Lab File: VD066307.D
 Acq: 19 Aug 2020 06:44

Tgt Ion: 75 Resp: 17199
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.4 110.2#
 89 0.0 36.6 55.0#

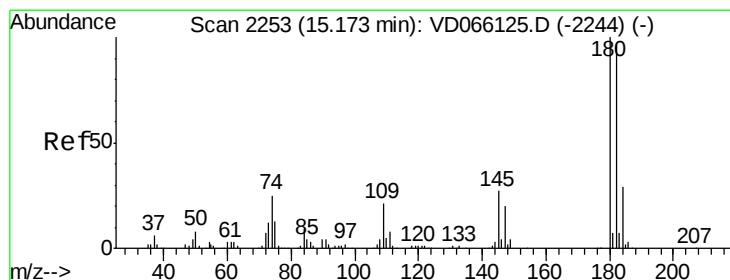
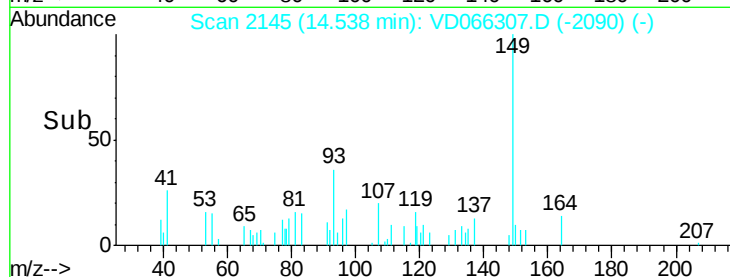
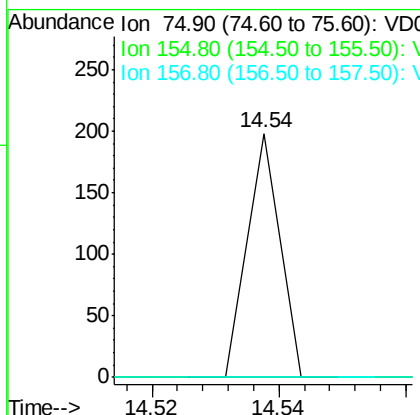
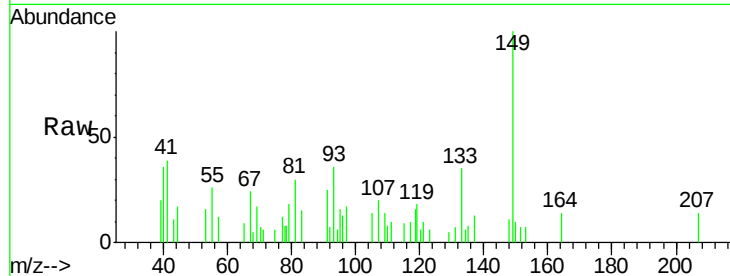




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.128 ug/l
 RT: 14.54 min Scan# 2145
 Delta R.T. 0.02 min
 Lab File: VD066307.D
 Acq: 19 Aug 2020 06:44

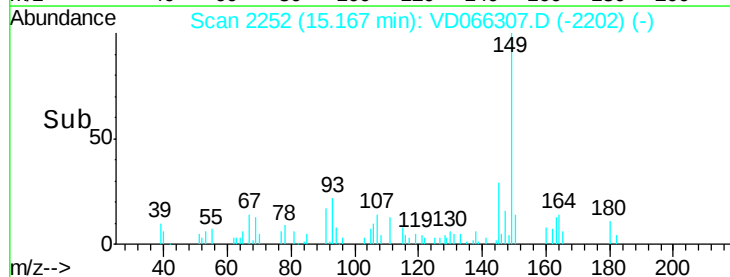
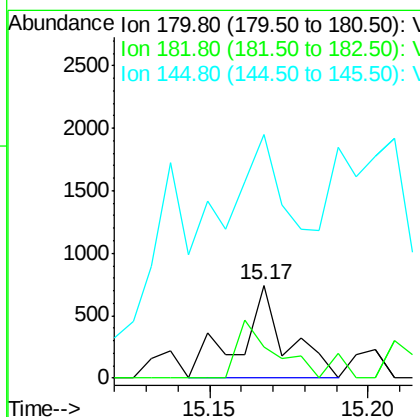
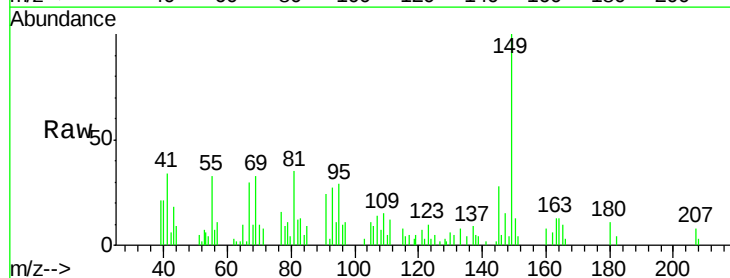
Instrument :
 MSVOA_D
 ClientSampleId :
 CHRT-27137

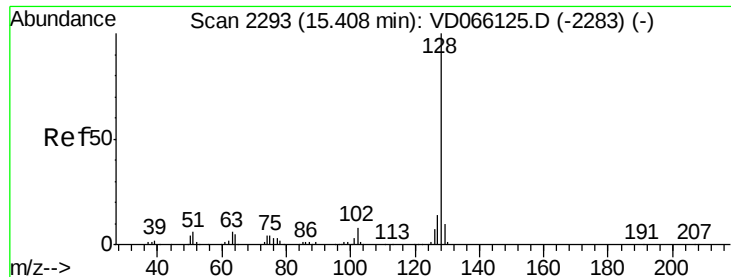
Tgt Ion: 75 Resp: 70
 Ion Ratio Lower Upper
 75 100
 155 0.0 47.7 143.1#
 157 0.0 62.1 186.2#



#93
 1,2,4-Trichlorobenzene
 Concen: 1.151 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.01 min
 Lab File: VD066307.D
 Acq: 19 Aug 2020 06:44

Tgt Ion: 180 Resp: 769
 Ion Ratio Lower Upper
 180 100
 182 48.1 47.4 142.2
 145 334.3 14.5 43.6#

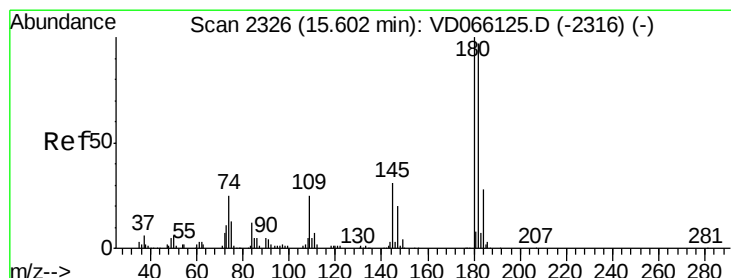
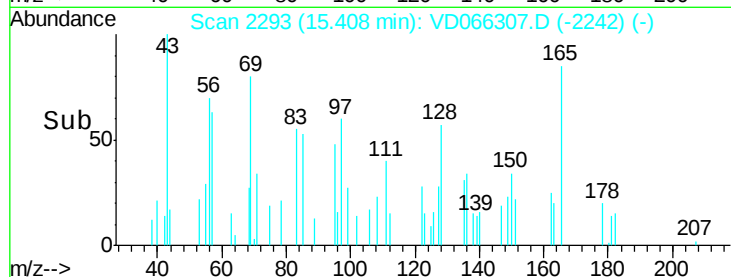
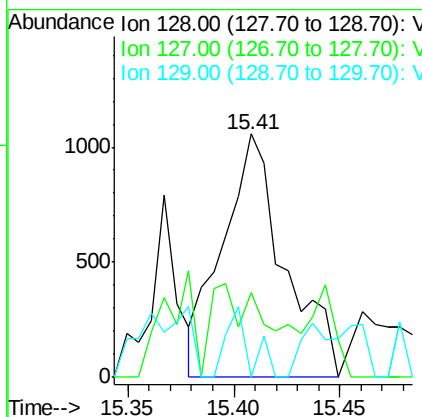
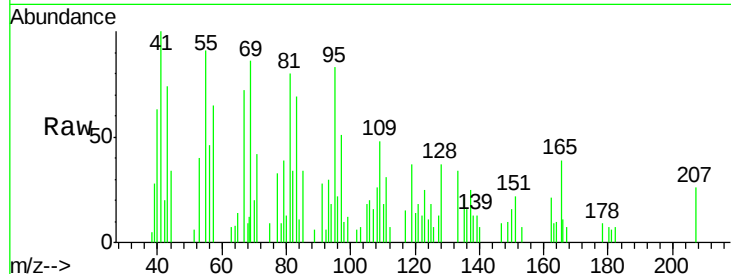




#95
Naphthalene
Concen: 1.980 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD066307.D
Acq: 19 Aug 2020 06:44

Instrument :
MSVOA_D
ClientSampleId :
CHRT-27137

Tgt Ion:128 Resp: 2155
Ion Ratio Lower Upper
128 100
127 29.8 11.0 16.4#
129 11.0 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 1.425 ug/l
RT: 15.43 min Scan# 2296
Delta R.T. -0.18 min
Lab File: VD066307.D
Acq: 19 Aug 2020 06:44

Tgt Ion:180 Resp: 840
Ion Ratio Lower Upper
180 100
182 59.9 47.1 141.4
145 16.1 14.9 44.9

