

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081920\
 Data File : VD066335.D
 Acq On : 20 Aug 2020 00:58
 Operator : VA/SY
 Sample : L3712-02RE
 Misc : 7.31G/5.00ml/MSVOA D/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CHRT-27137RE

Quant Time: Aug 20 07:22:09 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	2815	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	4075	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	3761	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	1780	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	2539	101.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	202.20%	
35) Dibromofluoromethane	7.90	113	1801	69.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	139.54%	
50) Toluene-d8	10.34	98	4315	45.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.60%	
62) 4-Bromofluorobenzene	12.63	95	1514	44.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.18%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.00	85	98	3.951	ug/l #	42
3) Chloromethane	2.21	50	64	3.317	ug/l #	40
4) Vinyl Chloride	2.34	62	62	3.630	ug/l #	42
5) Bromomethane	2.80	94	540	47.653	ug/l #	73
7) Trichlorofluoromethane	3.29	101	229	5.143	ug/l #	17
8) Diethyl Ether	3.67	74	57	4.537	ug/l #	1
9) 1,1,2-Trichlorotrifluoroet	4.10	101	65	2.460	ug/l #	16
10) Methyl Iodide	4.31	142	881	38.414	ug/l #	47
11) Tert butyl alcohol	5.20	59	202	82.222	ug/l #	76
12) 1,1-Dichloroethene	4.07	96	229	9.186	ug/l #	39
16) Acetone	4.15	43	251	52.673	ug/l #	44
17) Carbon Disulfide	4.41	76	430	5.425	ug/l #	74
19) Methyl tert-butyl Ether	5.37	73	61	1.068	ug/l #	55
20) Methylene Chloride	4.94	84	258	5.253	ug/l #	40
21) trans-1,2-Dichloroethene	5.49	96	59	2.060	ug/l #	1
23) Vinyl Acetate	6.34	43	99	2.263	ug/l #	70
25) 2-Butanone	7.21	43	55	7.847	ug/l #	47
27) cis-1,2-Dichloroethene	7.21	96	220	7.324	ug/l #	23
30) Chloroform	7.71	83	166	3.420	ug/l #	19
31) Cyclohexane	7.98	56	321	7.296	ug/l #	75
36) 1,1-Dichloropropene	8.10	75	75	1.959	ug/l #	41
37) Ethyl Acetate	7.21	43	55	3.625	ug/l #	1
38) Carbon Tetrachloride	7.97	117	252	5.901	ug/l #	10
39) Methylcyclohexane	9.35	83	513	11.082	ug/l #	44
40) Benzene	8.34	78	474	4.462	ug/l #	25
44) Trichloroethene	9.11	130	135	4.217	ug/l	5
48) Methyl methacrylate	9.40	41	62	4.062	ug/l #	16
49) 1,4-Dioxane	9.30	88	70	380.734	ug/l #	26
52) Toluene	10.39	92	549	7.854	ug/l #	53
60) Dibromochloromethane	10.88	129	132	4.640	ug/l #	11
64) Tetrachloroethene	10.87	164	281	9.730	ug/l #	44
65) Chlorobenzene	11.67	112	419	5.488	ug/l #	79
67) Ethyl Benzene	11.75	91	903	6.825	ug/l #	43
68) m/p-Xylenes	11.84	106	304	5.930	ug/l #	1

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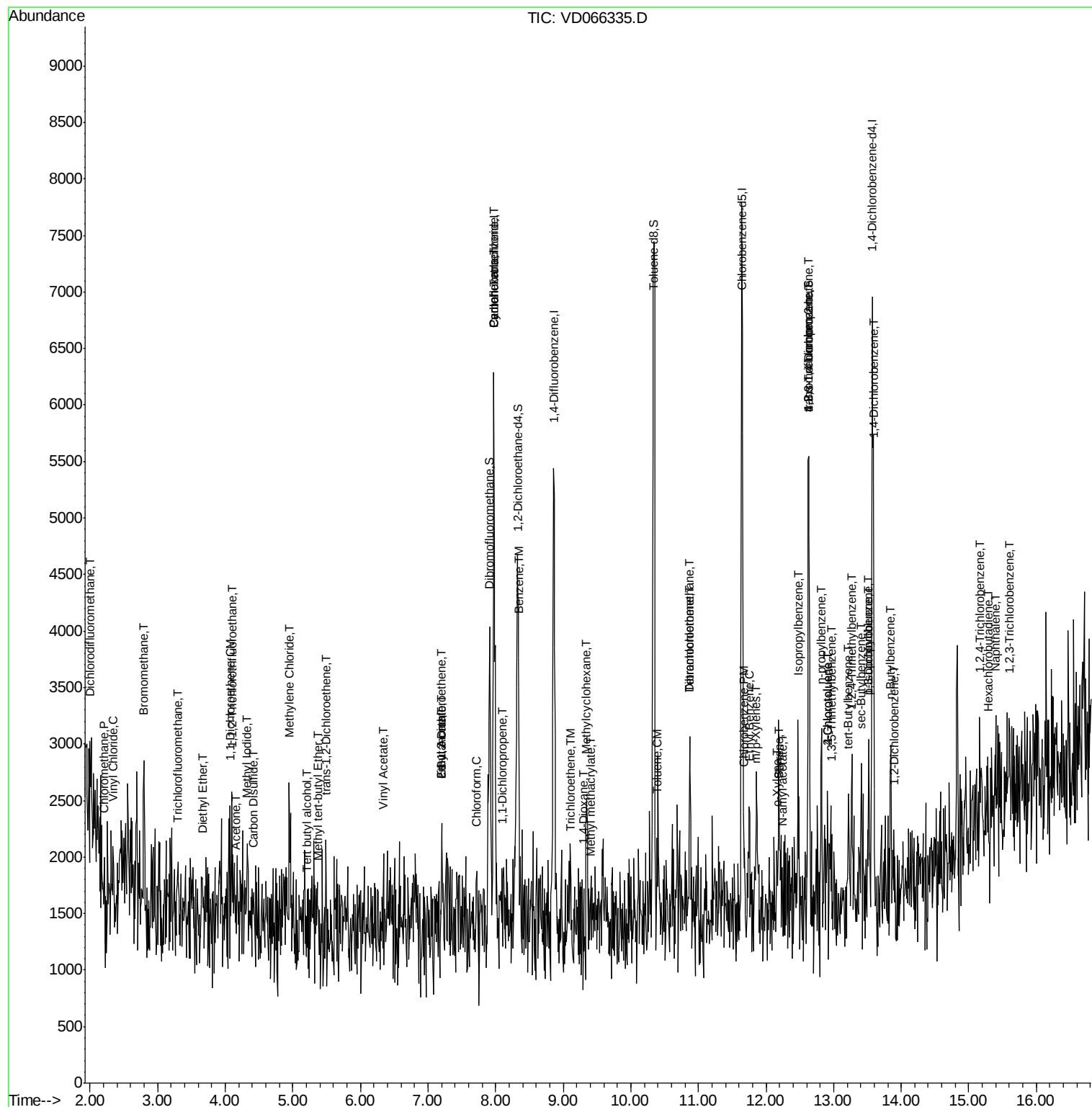
69) o-Xylene	12.16	106	169	3.624	ug/l #	1
70) Styrene	12.20	104	446	5.458	ug/l #	58
73) Isopropylbenzene	12.47	105	903	7.600	ug/l #	61
74) N-amyl acetate	12.24	43	54	2.064	ug/l #	42
76) 1,2,3-Trichloropropane	12.63	75	742	49.987	ug/l #	100
78) n-propylbenzene	12.81	91	1096	7.935	ug/l	94
79) 2-Chlorotoluene	12.91	91	528	6.684	ug/l	93
80) 1,3,5-Trimethylbenzene	12.96	105	569	5.726	ug/l	77
81) trans-1,4-Dichloro-2-buten	12.63	75	742	110.499	ug/l #	13
82) 4-Chlorotoluene	12.91	91	528	6.332	ug/l	92
83) tert-Butylbenzene	13.23	119	672	7.690	ug/l #	74
84) 1,2,4-Trimethylbenzene	13.27	105	750	7.542	ug/l #	56
85) sec-Butylbenzene	13.40	105	778	6.594	ug/l	99
86) p-Isopropyltoluene	13.53	119	871	7.871	ug/l #	59
87) 1,3-Dichlorobenzene	13.52	146	454	7.898	ug/l #	81
88) 1,4-Dichlorobenzene	13.60	146	600	10.466	ug/l #	83
89) n-Butylbenzene	13.84	91	815	8.220	ug/l #	87
91) 1,2-Dichlorobenzene	13.88	146	266	5.232	ug/l #	25
93) 1,2,4-Trichlorobenzene	15.16	180	359	9.582	ug/l #	64
94) Hexachlorobutadiene	15.28	225	203	9.201	ug/l #	42
95) Naphthalene	15.40	128	1106	18.117	ug/l #	68
96) 1,2,3-Trichlorobenzene	15.60	180	519	15.692	ug/l #	67

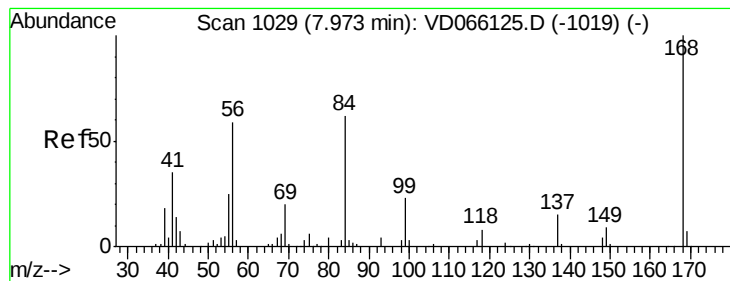
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. 0.00 min

Lab File: VD066335.D

Acq: 20 Aug 2020 00:58

Instrument :

MSVOA_D

ClientSampleId :

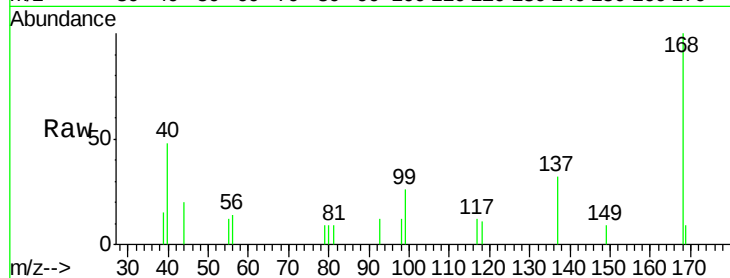
CHRT-27137RE

Tot Ion:168 Resp: 2815

Ion Ratio Lower Upper

168 100

99 26.1 42.2 63.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.97

1500

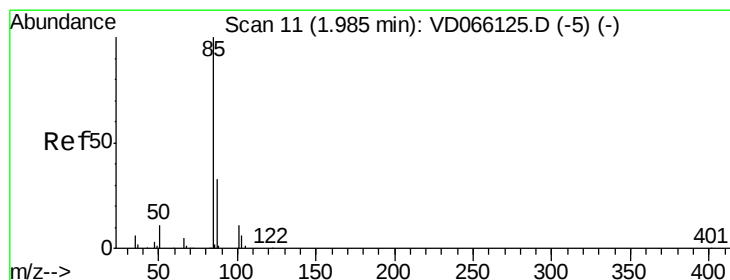
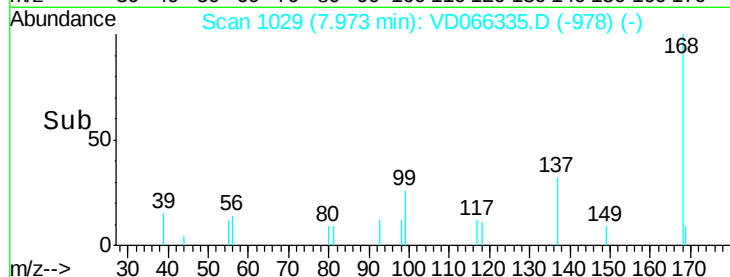
1000

500

0

7.95 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 3.951 ug/l

RT: 2.00 min Scan# 13

Delta R.T. 0.01 min

Lab File: VD066335.D

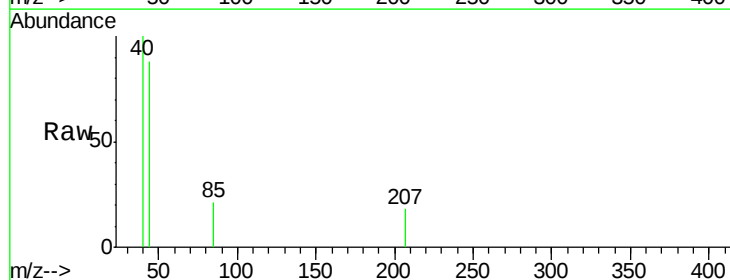
Acq: 20 Aug 2020 00:58

Tgt Ion: 85 Resp: 98

Ion Ratio Lower Upper

85 100

87 0.0 16.3 48.8#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

2.00

300

250

200

150

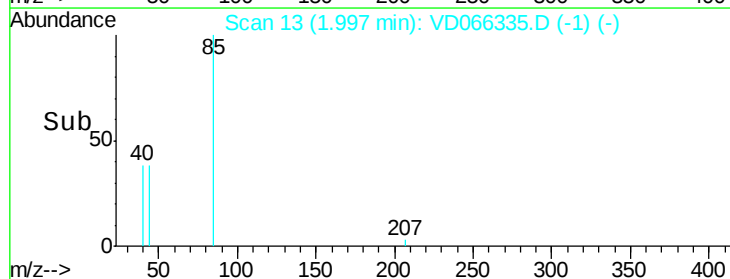
100

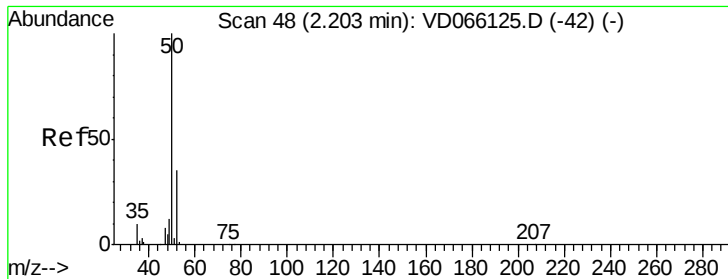
50

0

1.98 1.99 2.00 2.01

Time-->





#3

Chloromethane

Concen: 3.317 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD066335.D

Acq: 20 Aug 2020 00:58

Instrument :

MSVOA_D

ClientSampleId :

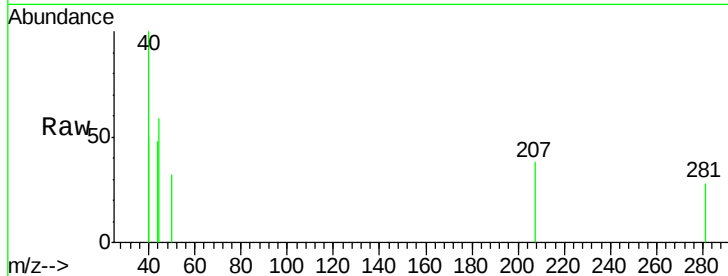
CHRT-27137RE

Tot Ion: 50 Resp: 64

Ion Ratio Lower Upper

50 100

52 0.0 27.9 41.9#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

200

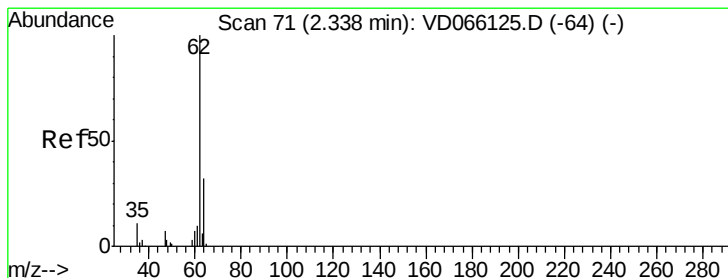
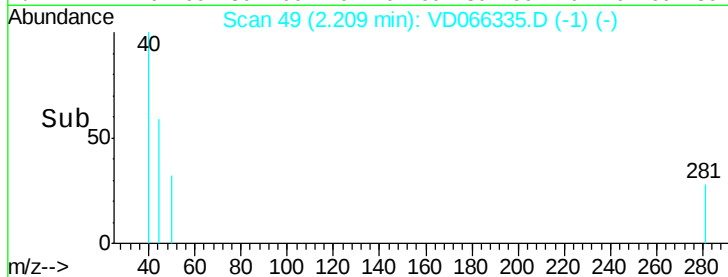
150

100

50

0

Time-->



#4

Vinyl Chloride

Concen: 3.630 ug/l

RT: 2.34 min Scan# 72

Delta R.T. 0.01 min

Lab File: VD066335.D

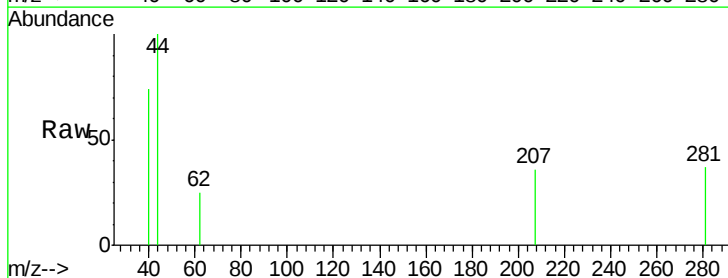
Acq: 20 Aug 2020 00:58

Tgt Ion: 62 Resp: 62

Ion Ratio Lower Upper

62 100

64 0.0 25.8 38.8#



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.34

200

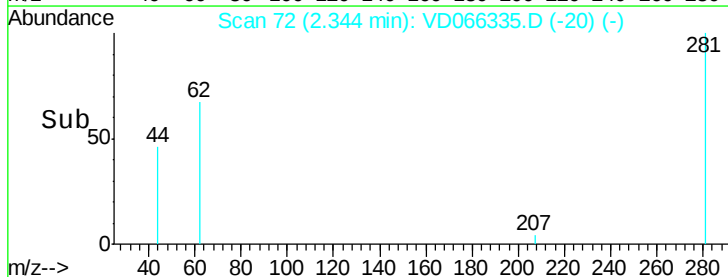
150

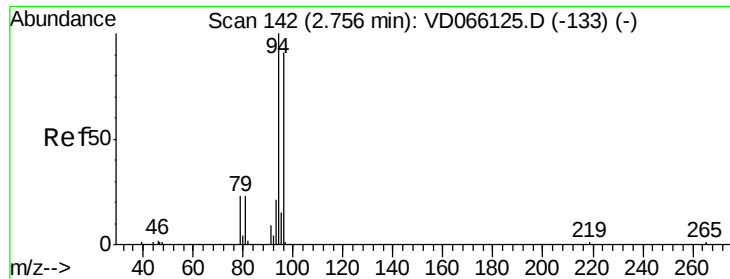
100

50

0

Time-->





#5

Bromomethane

Concen: 47.653 ug/l

RT: 2.80 min Scan# 149

Delta R.T. 0.04 min

Lab File: VD066335.D

Acq: 20 Aug 2020 00:58

Instrument :

MSVOA_D

ClientSampleId :

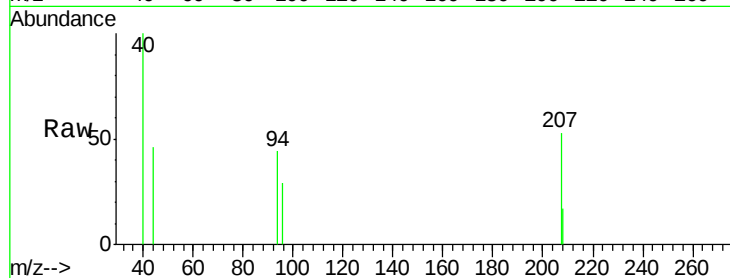
CHRT-27137RE

Tot Ion: 94 Resp: 540

Ion Ratio Lower Upper

94 100

96 65.3 72.6 109.0#

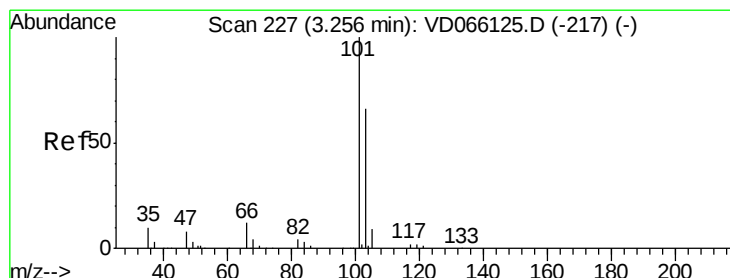
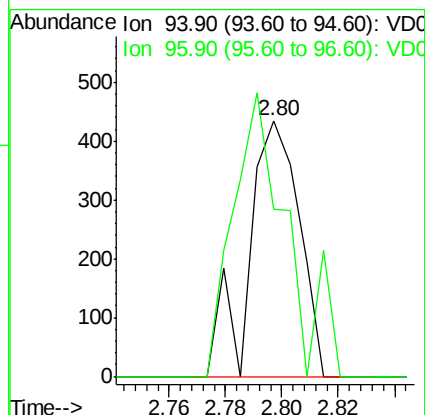
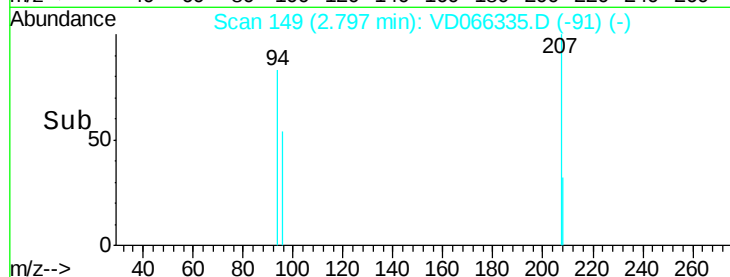


Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.80

Time-->



#7

Trichlorofluoromethane

Concen: 5.143 ug/l

RT: 3.29 min Scan# 233

Delta R.T. 0.04 min

Lab File: VD066335.D

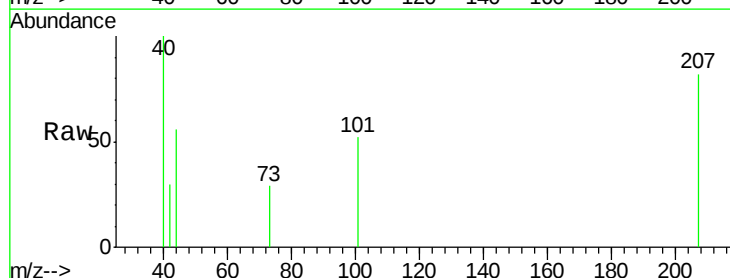
Acq: 20 Aug 2020 00:58

Tgt Ion: 101 Resp: 229

Ion Ratio Lower Upper

101 100

103 0.0 53.0 79.6#

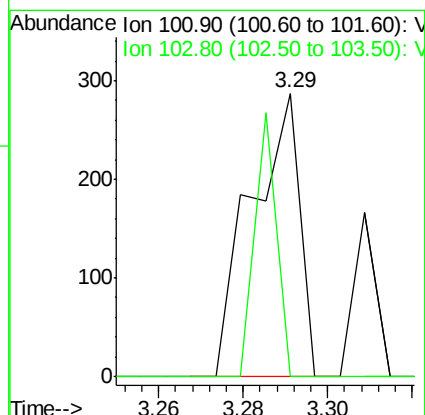
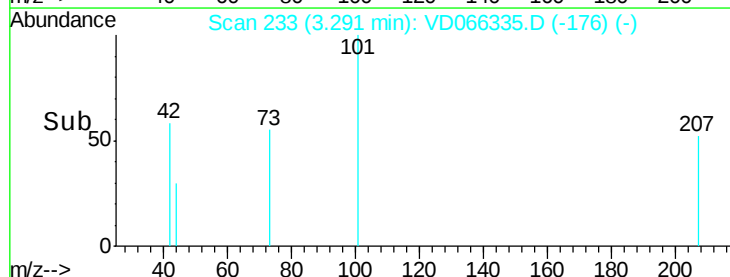


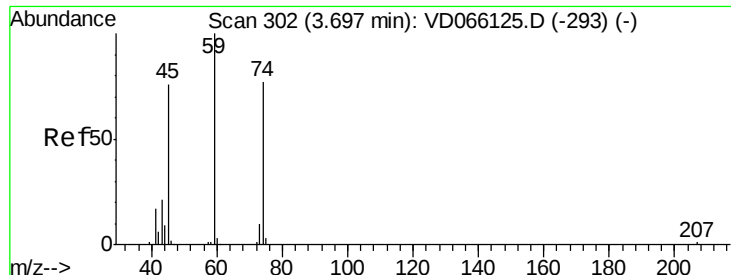
Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

3.29

Time-->





#8

Diethyl Ether

Concen: 4.537 ug/l

RT: 3.67 min Scan# 297

Delta R.T. -0.03 min

Lab File: VD066335.D

Acq: 20 Aug 2020 00:58

Instrument :

MSVOA_D

ClientSampleId :

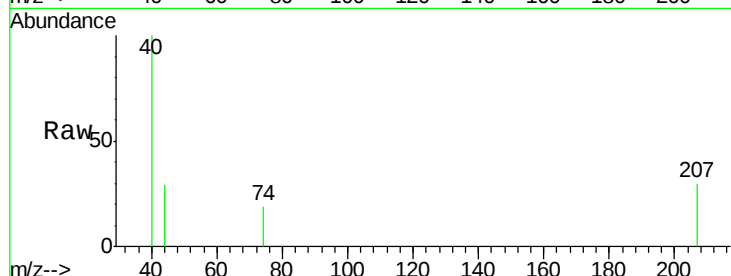
CHRT-27137RE

Tot Ion: 74 Resp: 57

Ion Ratio Lower Upper

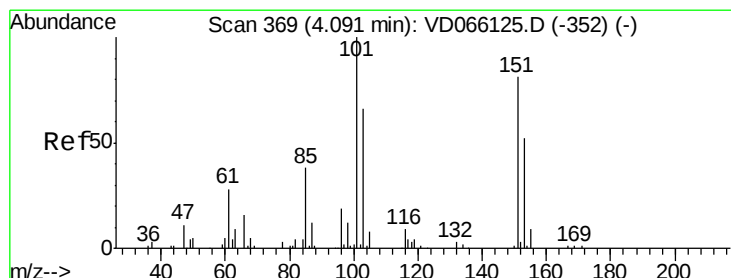
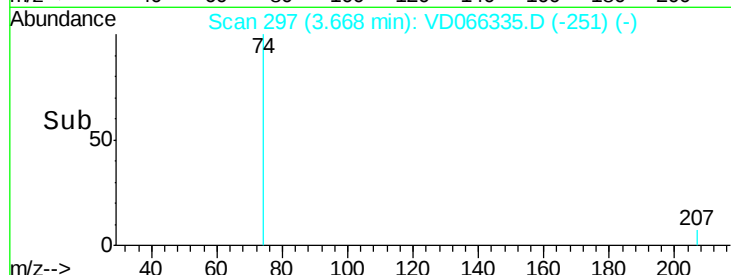
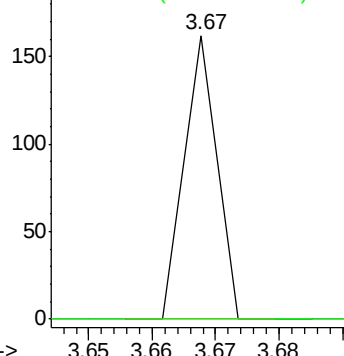
74 100

45 0.0 48.4 145.2#



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC



#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.460 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.01 min

Lab File: VD066335.D

Acq: 20 Aug 2020 00:58

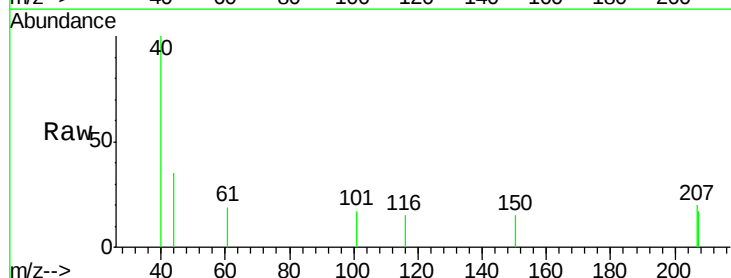
Tgt Ion: 101 Resp: 65

Ion Ratio Lower Upper

101 100

85 0.0 33.5 50.3#

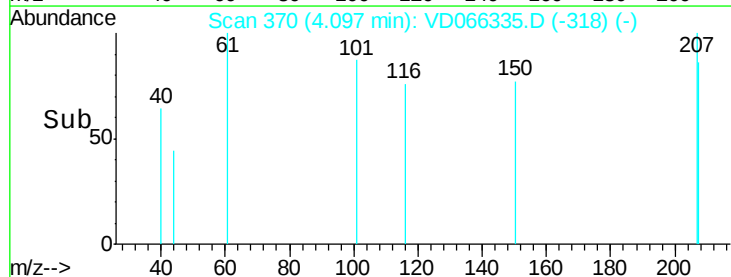
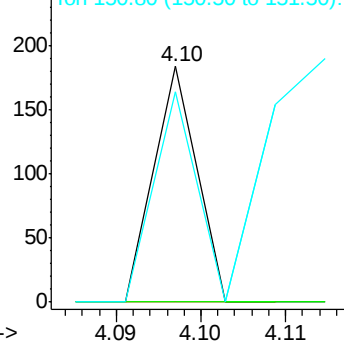
151 0.0 67.8 101.8#

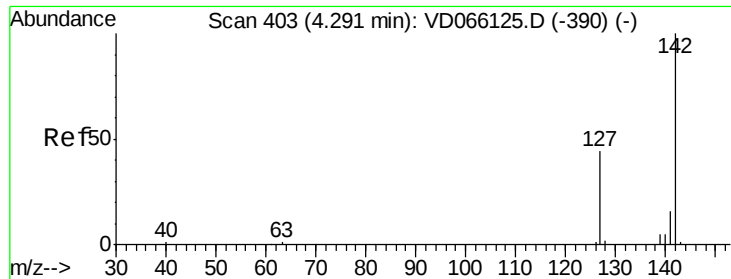


Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VDC

Ion 150.80 (150.50 to 151.50): V

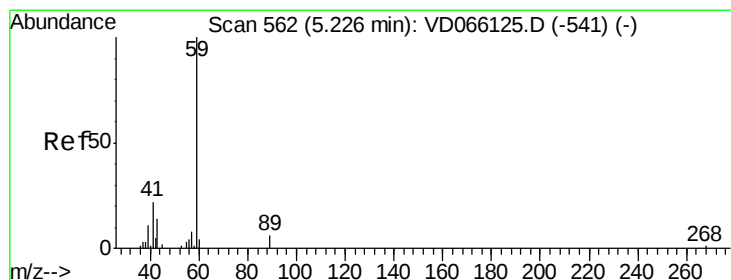
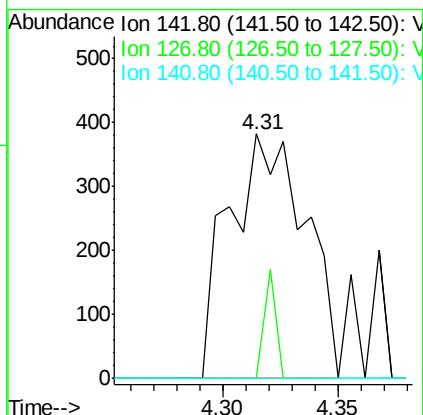
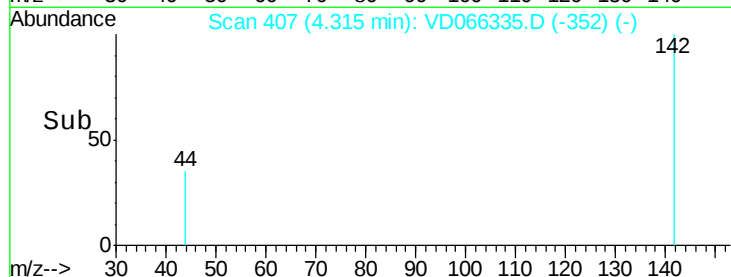
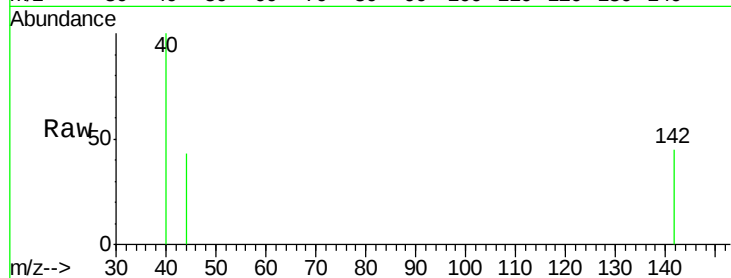




#10
Methyl Iodide
Concen: 38.414 ug/l
RT: 4.31 min Scan# 407
Delta R.T. 0.02 min
Lab File: VD066335.D
Acq: 20 Aug 2020 00:58

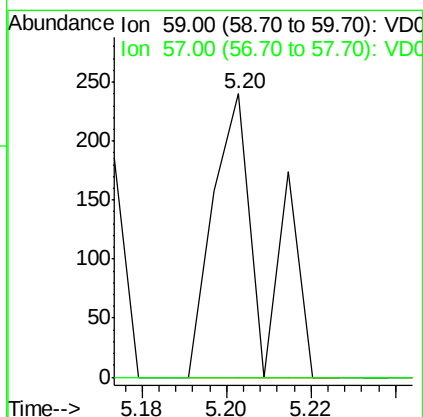
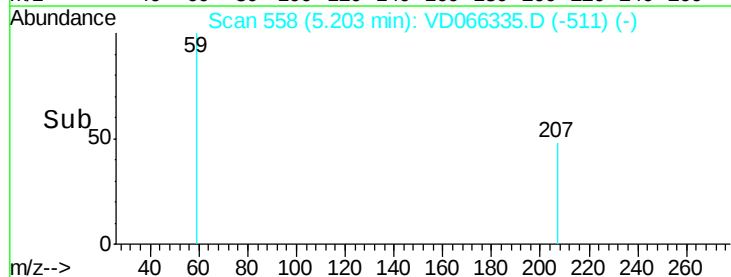
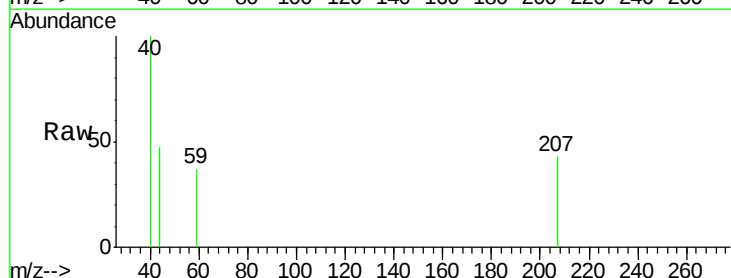
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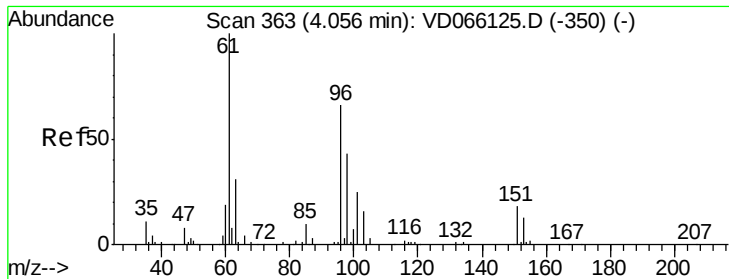
Tot Ion:142 Resp: 881
Ion Ratio Lower Upper
142 100
127 6.8 36.2 54.4#
141 0.0 12.6 18.8#



#11
Tert butyl alcohol
Concen: 82.222 ug/l
RT: 5.20 min Scan# 558
Delta R.T. -0.02 min
Lab File: VD066335.D
Acq: 20 Aug 2020 00:58

Tgt Ion: 59 Resp: 202
Ion Ratio Lower Upper
59 100
57 0.0 7.0 10.4#





#12

1,1-Dichloroethene

Concen: 9.186 ug/l

RT: 4.07 min Scan# 366

Delta R.T. 0.02 min

Lab File: VD066335.D

Acq: 20 Aug 2020 00:58

Instrument :

MSVOA_D

ClientSampleId :

CHRT-27137RE

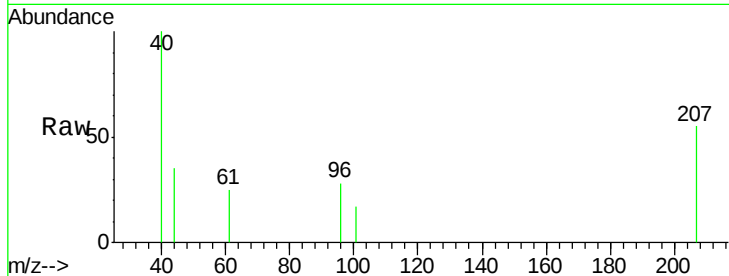
Tot Ion: 96 Resp: 229

Ion Ratio Lower Upper

96 100

61 86.2 121.6 182.4#

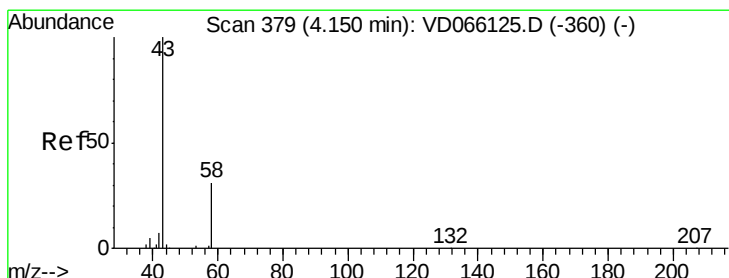
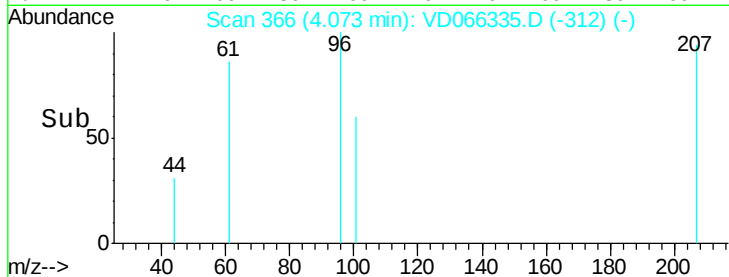
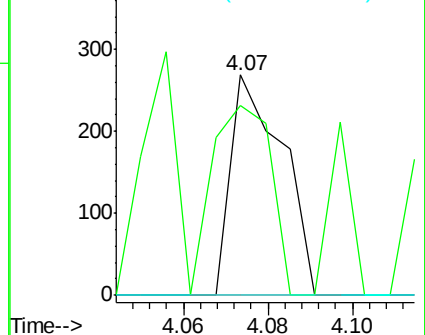
98 0.0 52.0 78.0#



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#16

Acetone

Concen: 52.673 ug/l

RT: 4.15 min Scan# 379

Delta R.T. 0.00 min

Lab File: VD066335.D

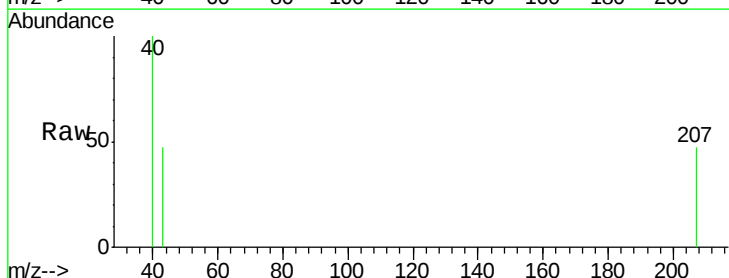
Acq: 20 Aug 2020 00:58

Tgt Ion: 43 Resp: 251

Ion Ratio Lower Upper

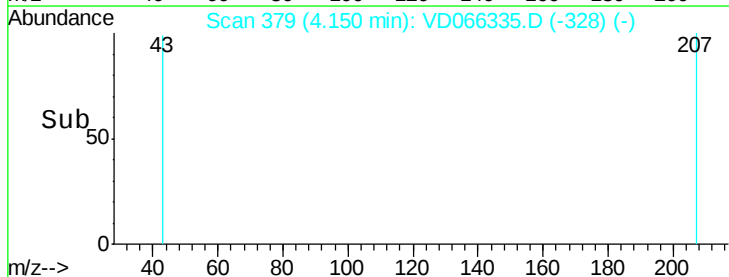
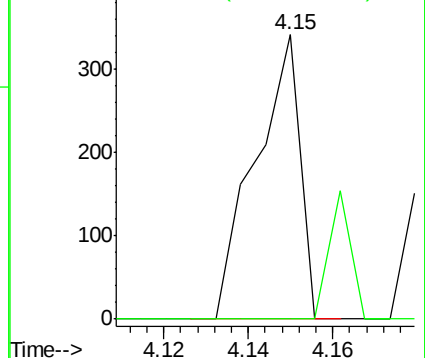
43 100

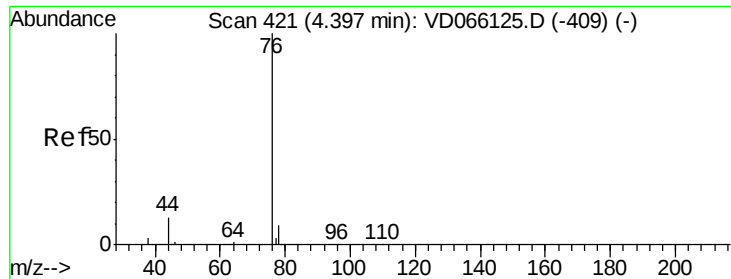
58 0.0 24.7 37.1#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#17

Carbon Disulfide

Concen: 5.425 ug/l

RT: 4.41 min Scan# 424

Delta R.T. 0.02 min

Lab File: VD066335.D

Acq: 20 Aug 2020 00:58

Instrument :

MSVOA_D

ClientSampleId :

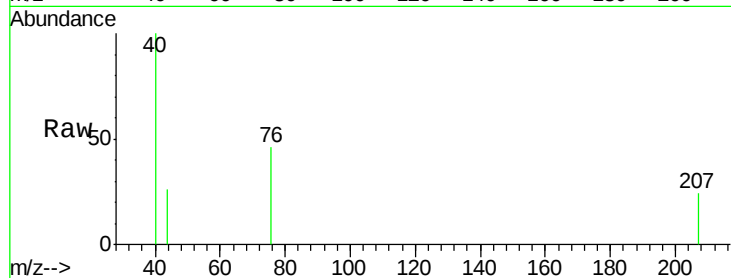
CHRT-27137RE

Tot Ion: 76 Resp: 430

Ion Ratio Lower Upper

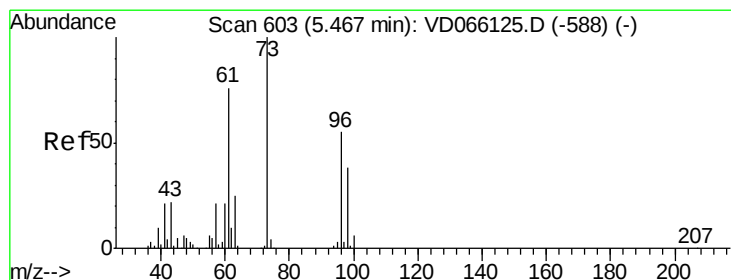
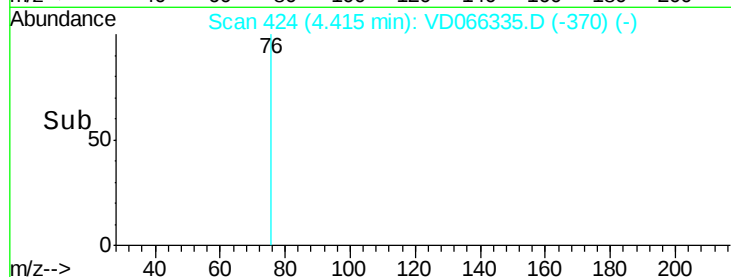
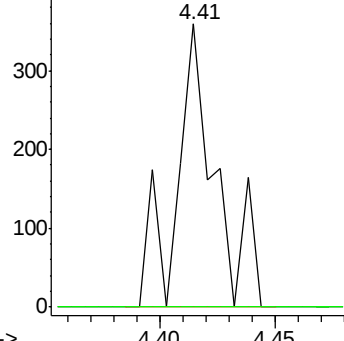
76 100

78 0.0 7.5 11.3#



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#19

Methyl tert-butyl Ether

Concen: 1.068 ug/l

RT: 5.37 min Scan# 587

Delta R.T. -0.09 min

Lab File: VD066335.D

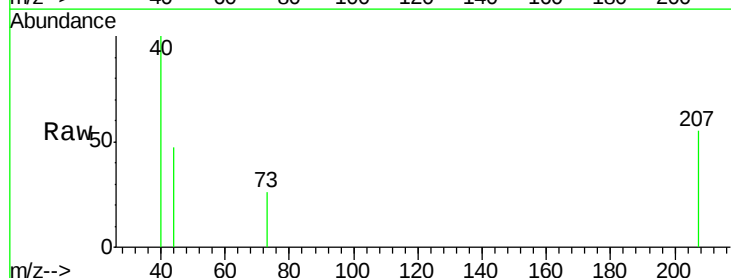
Acq: 20 Aug 2020 00:58

Tgt Ion: 73 Resp: 61

Ion Ratio Lower Upper

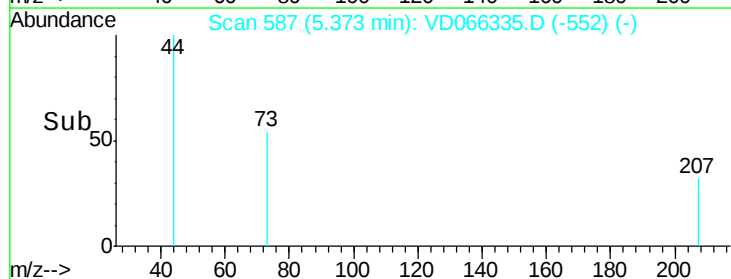
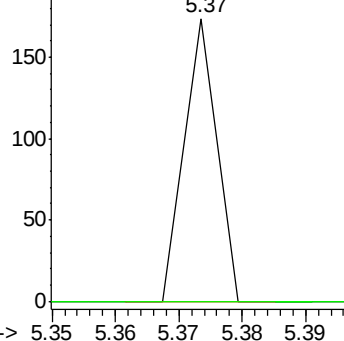
73 100

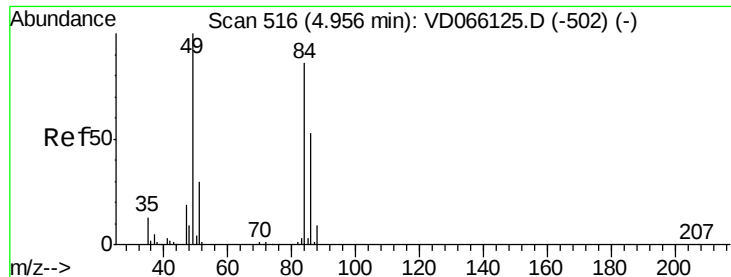
57 0.0 17.1 25.7#



Abundance Ion 73.00 (72.70 to 73.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#20

Methylene Chloride

Concen: 5.253 ug/l

RT: 4.94 min Scan# 514

Delta R.T. -0.01 min

Lab File: VD066335.D

Acq: 20 Aug 2020 00:58

Instrument :

MSVOA_D

ClientSampleId :

CHRT-27137RE

Tot Ion: 84 Resp: 258

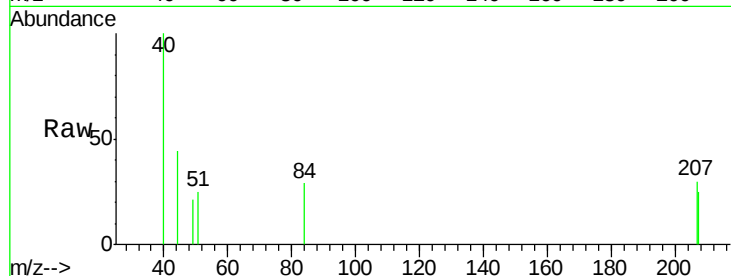
Ion Ratio Lower Upper

84 100

49 72.9 93.5 140.3#

51 86.4 28.2 42.4#

86 0.0 49.5 74.3#

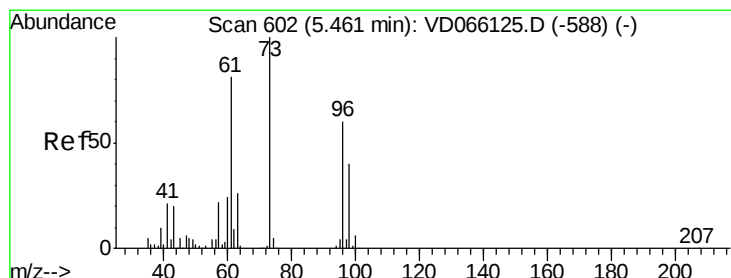
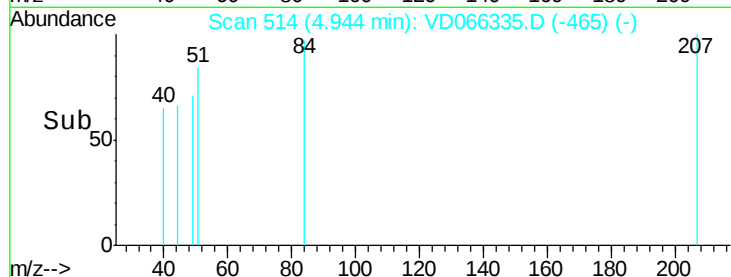
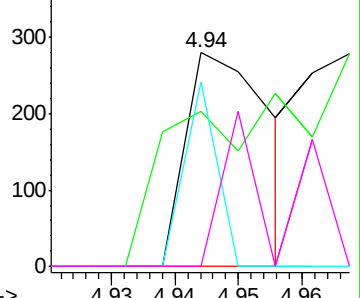


Abundance Ion 83.90 (83.60 to 84.60): VDC

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



#21

trans-1,2-Dichloroethene

Concen: 2.060 ug/l

RT: 5.49 min Scan# 607

Delta R.T. 0.03 min

Lab File: VD066335.D

Acq: 20 Aug 2020 00:58

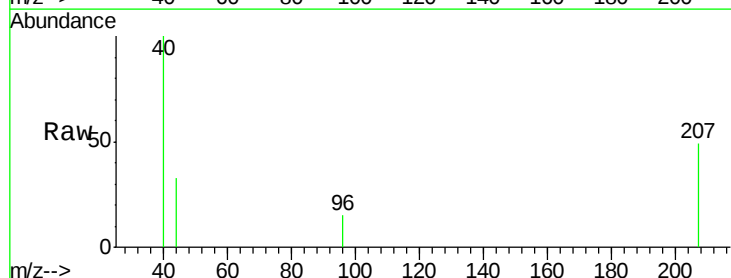
Tgt Ion: 96 Resp: 59

Ion Ratio Lower Upper

96 100

61 0.0 106.9 160.3#

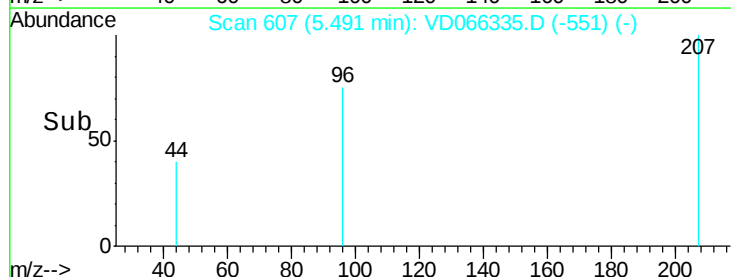
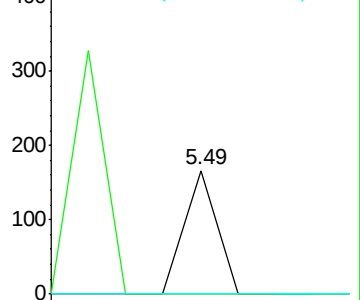
98 0.0 53.4 80.0#

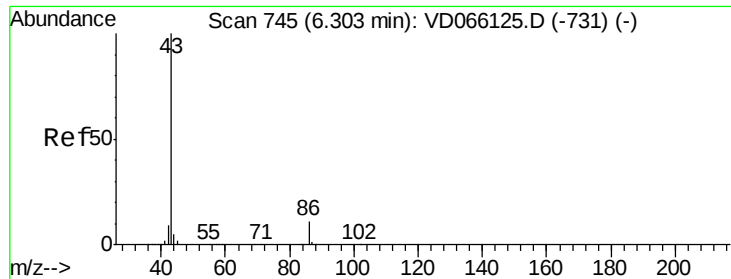


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#23

Vinyl Acetate

Concen: 2.263 ug/l

RT: 6.34 min Scan# 752

Delta R.T. 0.04 min

Lab File: VD066335.D

Acq: 20 Aug 2020 00:58

Instrument :

MSVOA_D

ClientSampleId :

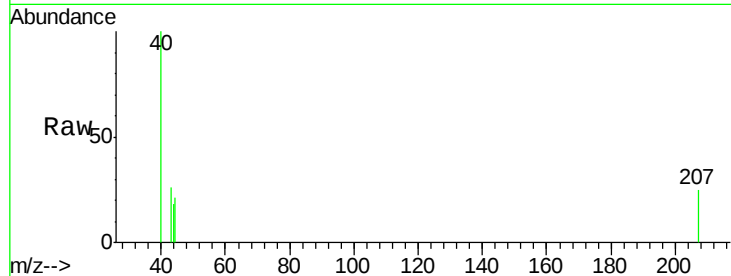
CHRT-27137RE

Tot Ion: 43 Resp: 99

Ion Ratio Lower Upper

43 100

86 0.0 9.1 13.7#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.34

300

250

200

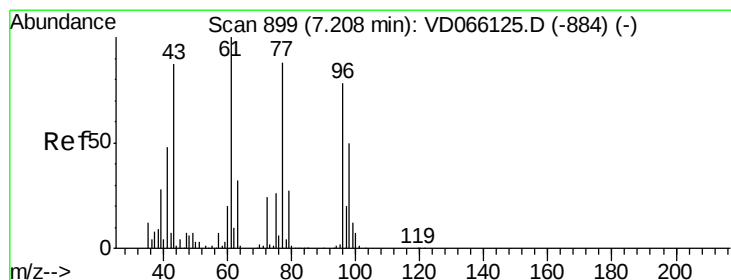
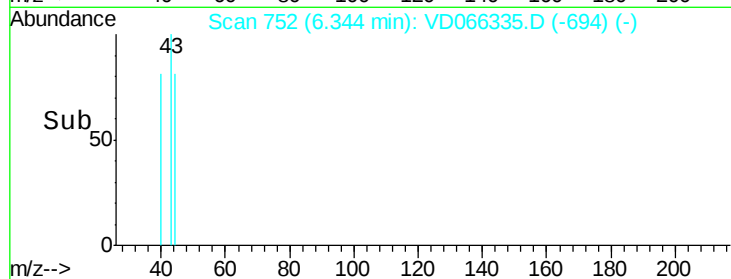
150

100

50

0

Time-->



#25

2-Butanone

Concen: 7.847 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD066335.D

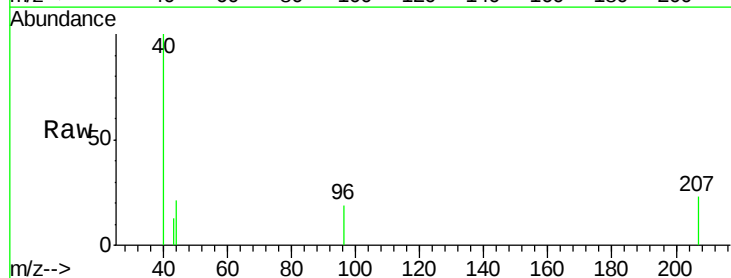
Acq: 20 Aug 2020 00:58

Tgt Ion: 43 Resp: 55

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

7.21

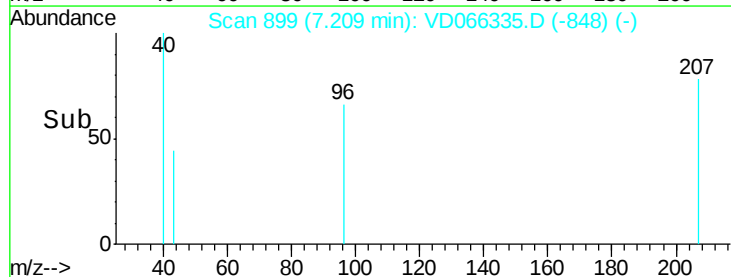
150

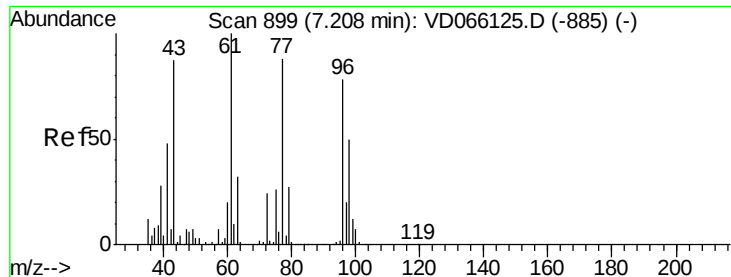
100

50

0

Time-->



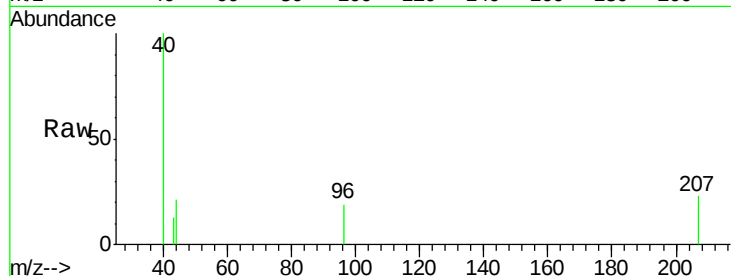


#27

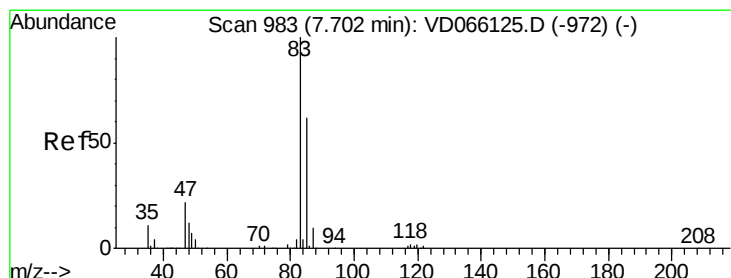
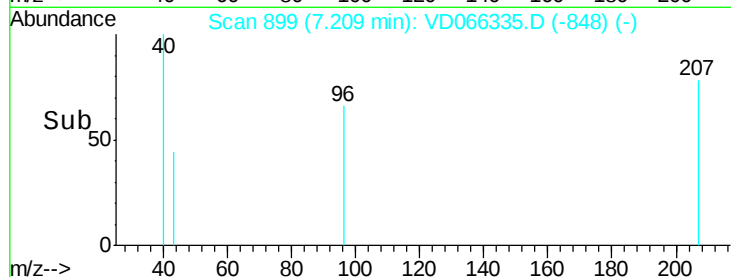
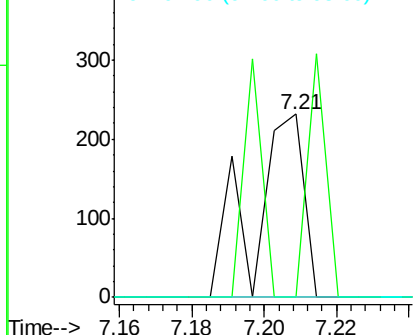
cis-1,2-Dichloroethene
 Concen: 7.324 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VD066335.D
 Acq: 20 Aug 2020 00:58

Instrument :
 MSVOA_D
 ClientSampleId :
 CHRT-27137RE

Tot Ion: 96 Resp: 220
 Ion Ratio Lower Upper
 96 100
 61 49.5 0.0 281.6
 98 0.0 0.0 130.8



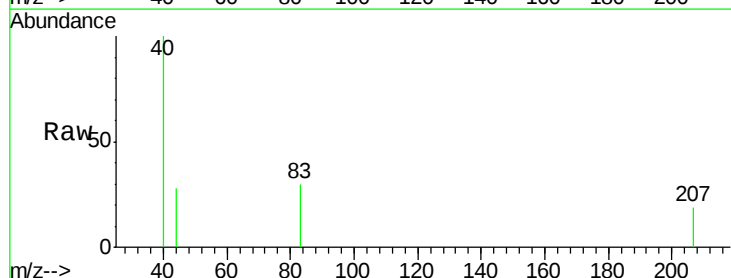
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



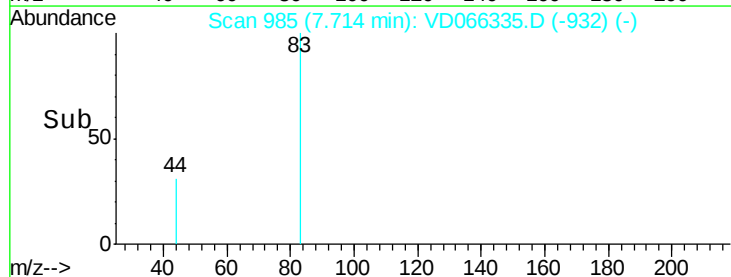
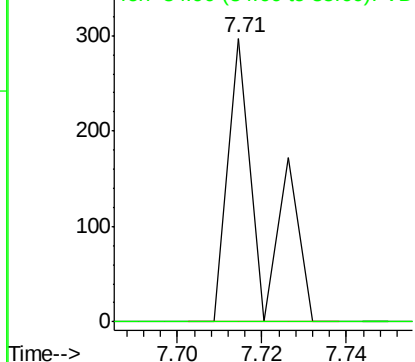
#30

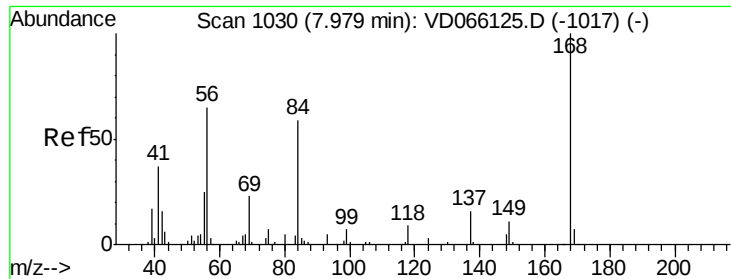
Chloroform
 Concen: 3.420 ug/l
 RT: 7.71 min Scan# 985
 Delta R.T. 0.01 min
 Lab File: VD066335.D
 Acq: 20 Aug 2020 00:58

Tgt Ion: 83 Resp: 166
 Ion Ratio Lower Upper
 83 100
 85 0.0 49.5 74.3#



Abundance Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC

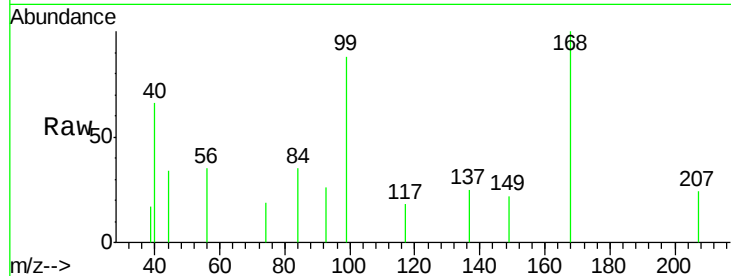




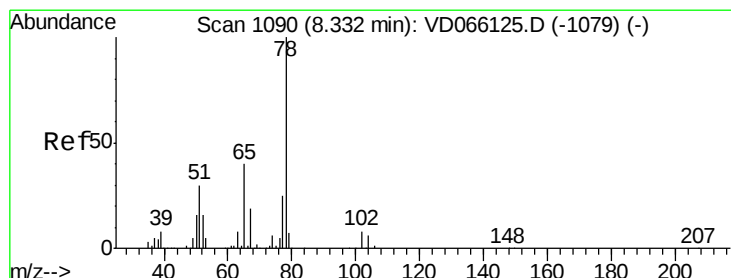
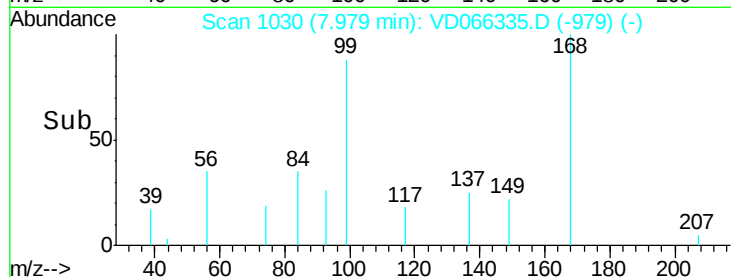
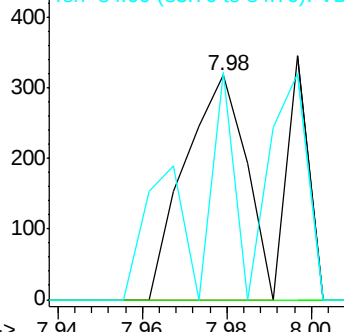
#31
Cyclohexane
Concen: 7.296 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VD066335.D
Acq: 20 Aug 2020 00:58

Instrument :
MSVOA_D
ClientSampleId :
CHRT-27137RE

Tot Ion: 56 Resp: 321
Ion Ratio Lower Upper
56 100
69 0.0 28.8 43.2#
84 101.3 73.0 109.6

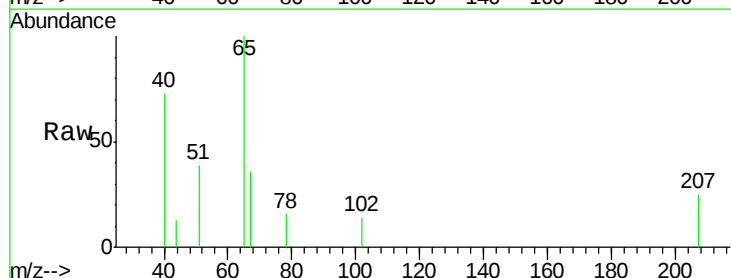


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

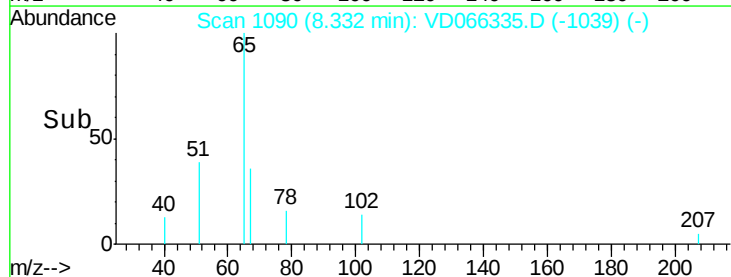
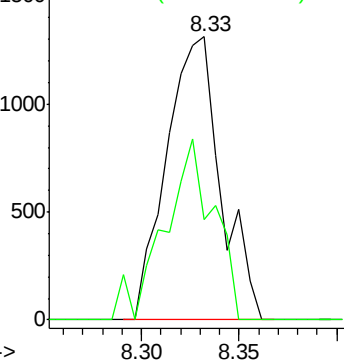


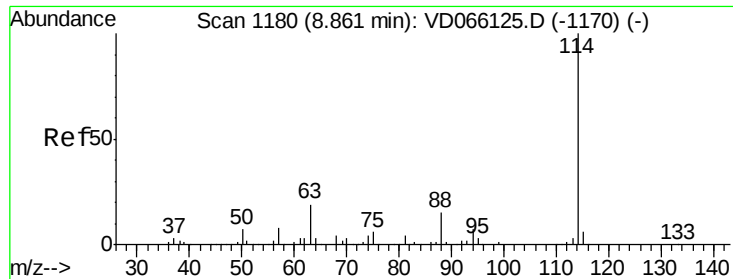
#33
1,2-Dichloroethane-d4
Concen: 101.099 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VD066335.D
Acq: 20 Aug 2020 00:58

Tgt Ion: 65 Resp: 2539
Ion Ratio Lower Upper
65 100
67 57.8 0.0 104.6



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC

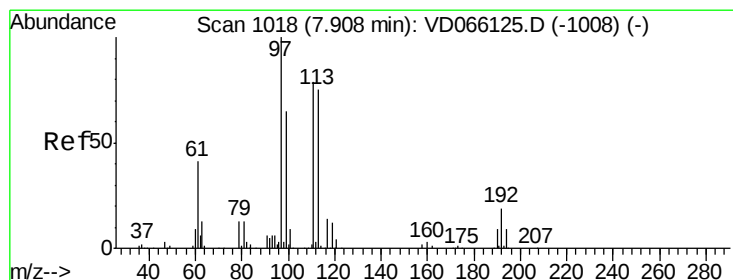
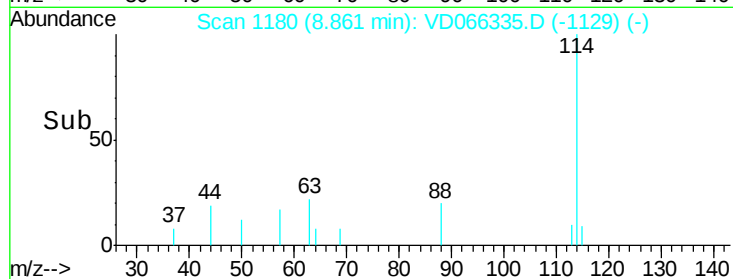
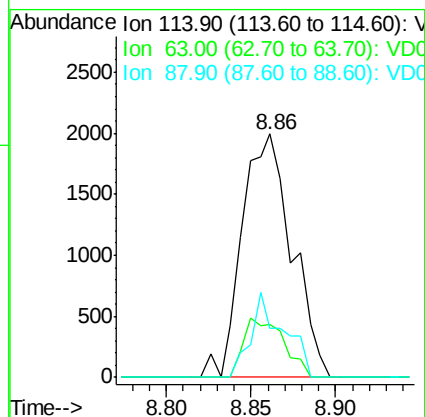
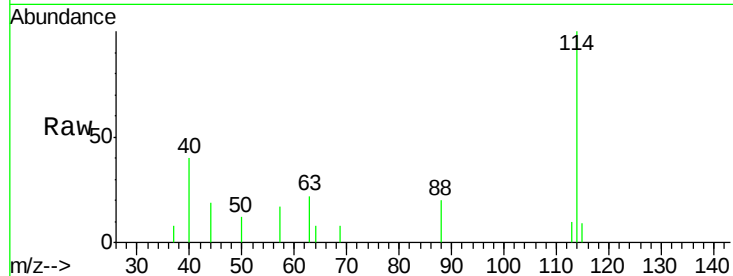




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066335.D
 Acq: 20 Aug 2020 00:58

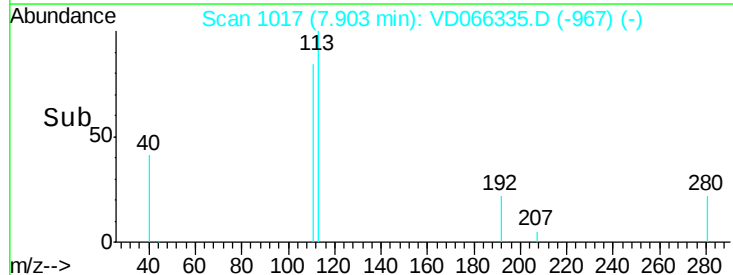
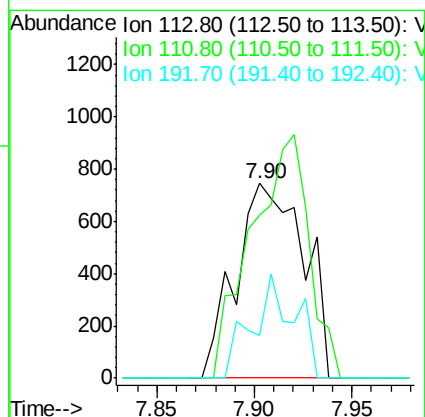
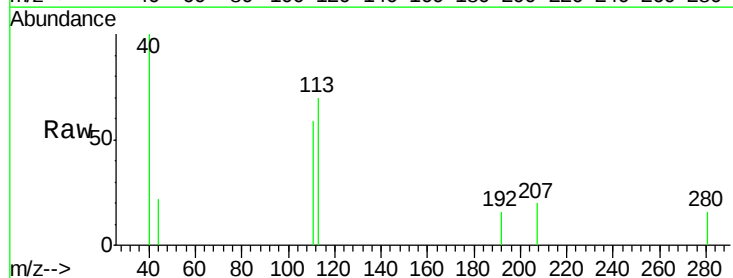
Instrument :
 MSVOA_D
 ClientSampleId :
 CHRT-27137RE

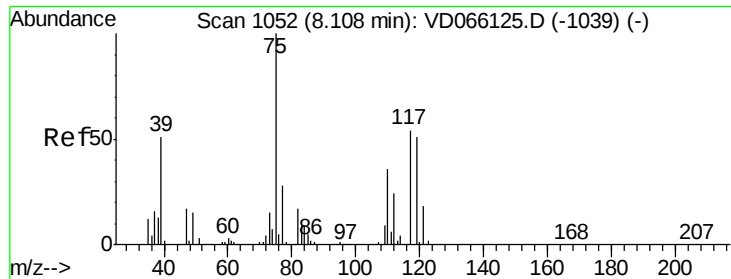
Tot Ion:114 Resp: 4075
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 38.6
 88 20.0 0.0 30.0



#35
 Dibromofluoromethane
 Concen: 69.766 ug/l
 RT: 7.90 min Scan# 1017
 Delta R.T. -0.01 min
 Lab File: VD066335.D
 Acq: 20 Aug 2020 00:58

Tgt Ion:113 Resp: 1801
 Ion Ratio Lower Upper
 113 100
 111 105.4 80.7 121.1
 192 33.1 18.4 27.6#





#36

1,1-Dichloropropene

Concen: 1.959 ug/l

RT: 8.10 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VD066335.D

Acq: 20 Aug 2020 00:58

Instrument :

MSVOA_D

ClientSampleId :

CHRT-27137RE

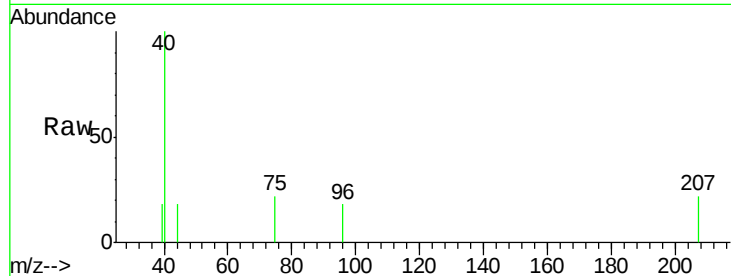
Tot Ion: 75 Resp: 75

Ion Ratio Lower Upper

75 100

110 0.0 18.8 56.3#

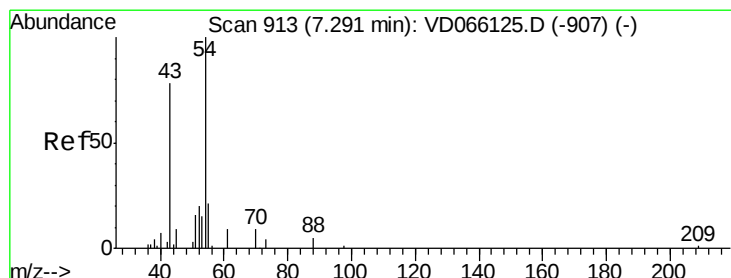
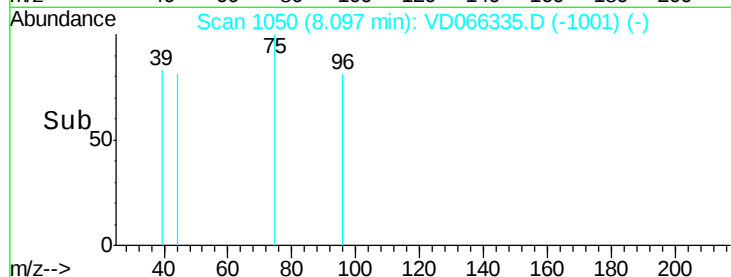
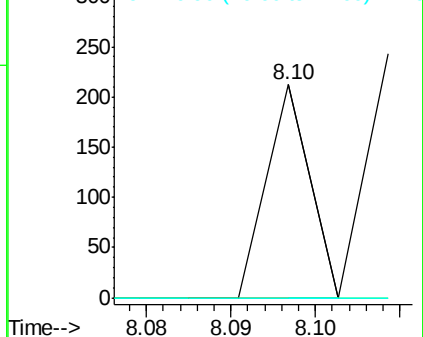
77 0.0 24.2 36.2#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 109.90 (109.60 to 110.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#37

Ethyl Acetate

Concen: 3.625 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.08 min

Lab File: VD066335.D

Acq: 20 Aug 2020 00:58

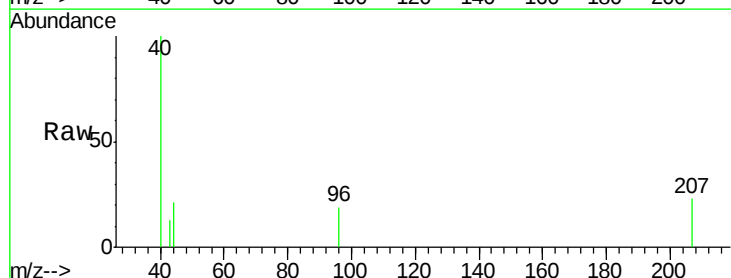
Tgt Ion: 43 Resp: 55

Ion Ratio Lower Upper

43 100

61 198.2 12.0 18.0#

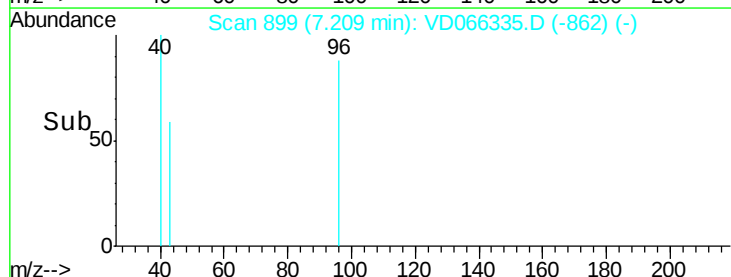
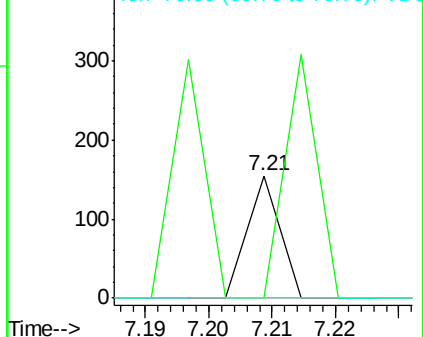
70 0.0 9.7 14.5#

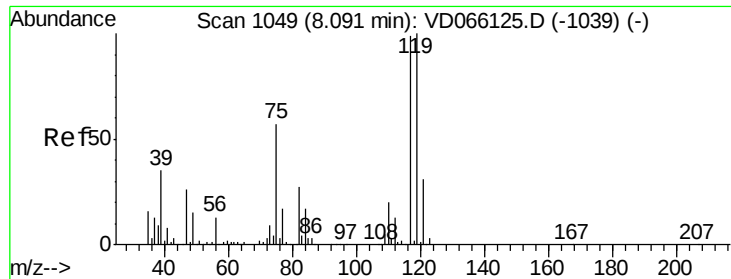


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 70.00 (69.70 to 70.70): VDC





#38

Carbon Tetrachloride

Concen: 5.901 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.12 min

Lab File: VD066335.D

Acq: 20 Aug 2020 00:58

Instrument :

MSVOA_D

ClientSampleId :

CHRT-27137RE

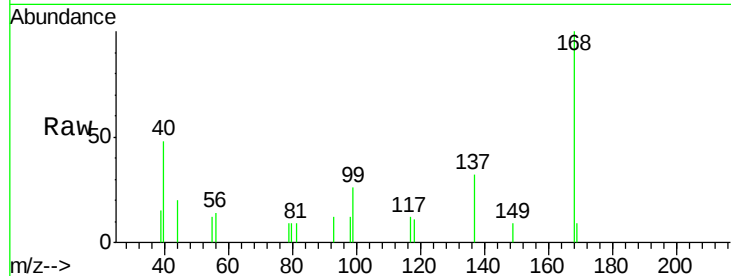
Tot Ion:117 Resp: 252

Ion Ratio Lower Upper

117 100

119 0.0 81.0 121.4#

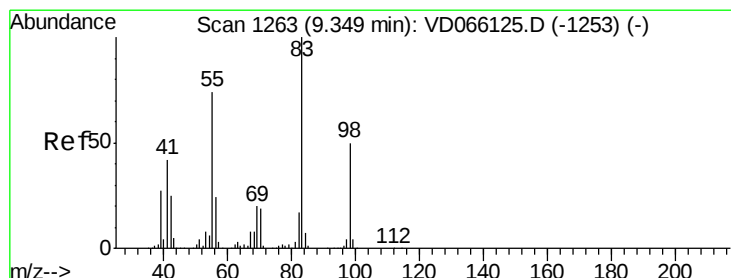
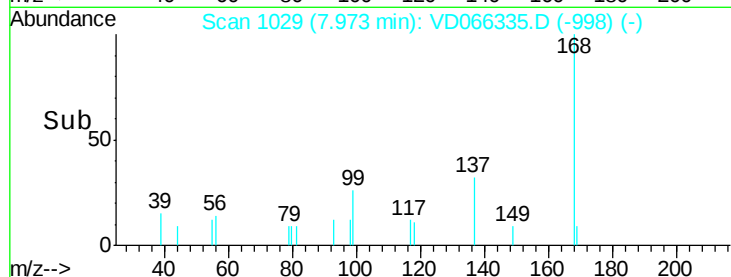
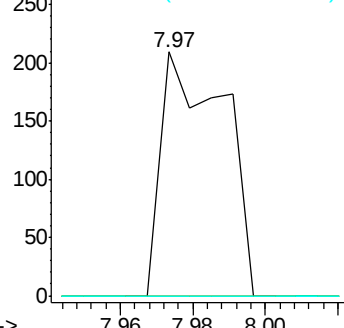
121 0.0 24.8 37.2#



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



#39

Methylcyclohexane

Concen: 11.082 ug/l

RT: 9.35 min Scan# 1263

Delta R.T. 0.00 min

Lab File: VD066335.D

Acq: 20 Aug 2020 00:58

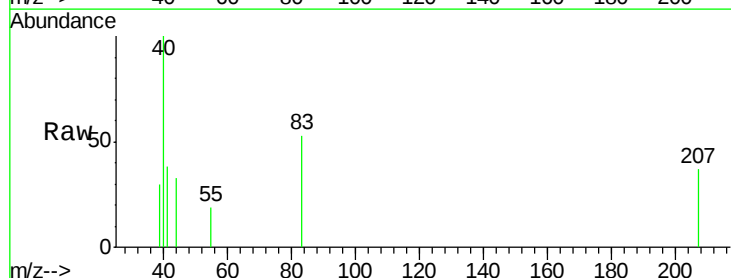
Tgt Ion: 83 Resp: 513

Ion Ratio Lower Upper

83 100

55 36.5 59.2 88.8#

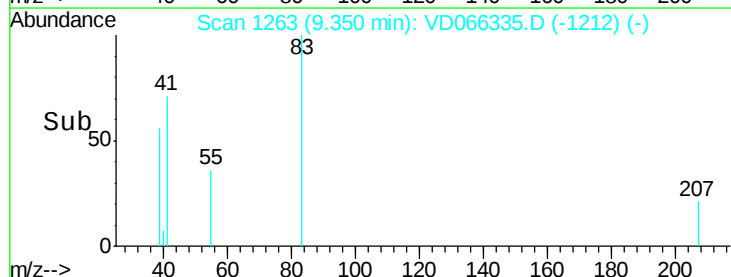
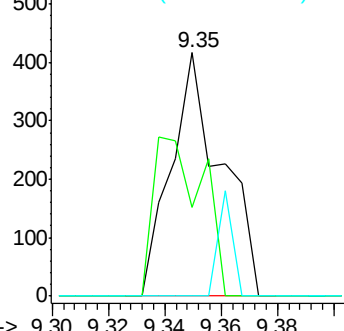
98 0.0 39.8 59.6#

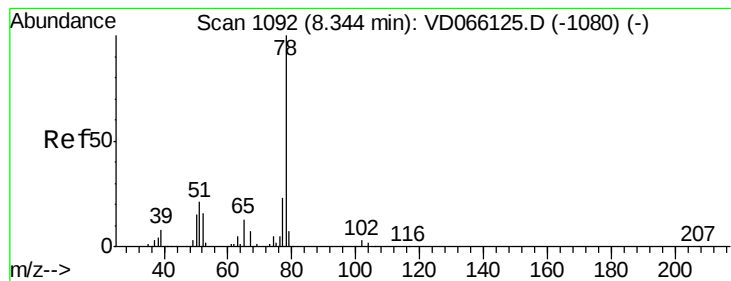


Abundance Ion 83.00 (82.70 to 83.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.00 (97.70 to 98.70): VDC





#40

Benzene

Concen: 4.462 ug/l

RT: 8.34 min Scan# 1092

Delta R.T. 0.00 min

Lab File: VD066335.D

Acq: 20 Aug 2020 00:58

Instrument :

MSVOA_D

ClientSampleId :

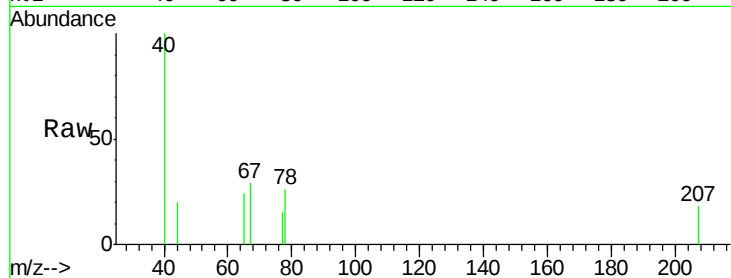
CHRT-27137RE

Tot Ion: 78 Resp: 474

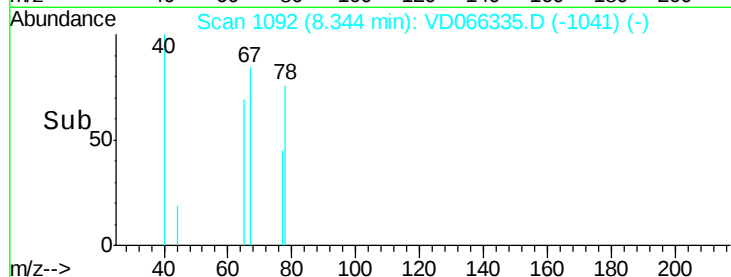
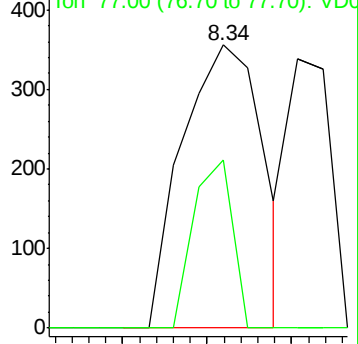
Ion Ratio Lower Upper

78 100

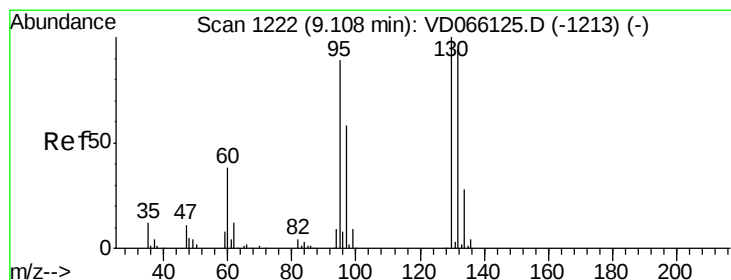
77 59.6 18.6 27.8#



Abundance Ion 78.00 (77.70 to 78.70): VDC



Time-->



#44

Trichloroethene

Concen: 4.217 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.01 min

Lab File: VD066335.D

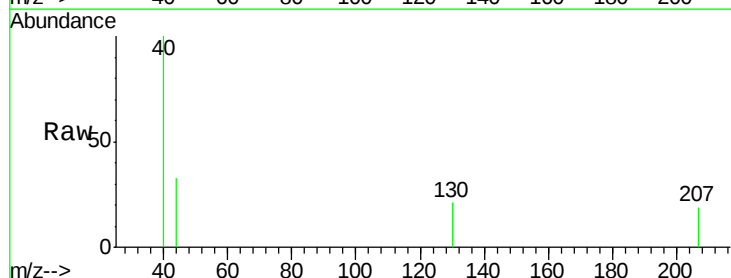
Acq: 20 Aug 2020 00:58

Tgt Ion: 130 Resp: 135

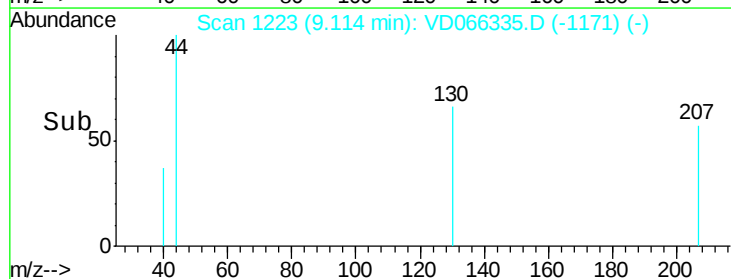
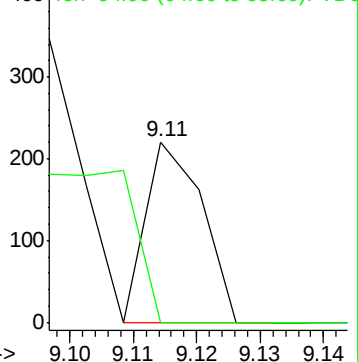
Ion Ratio Lower Upper

130 100

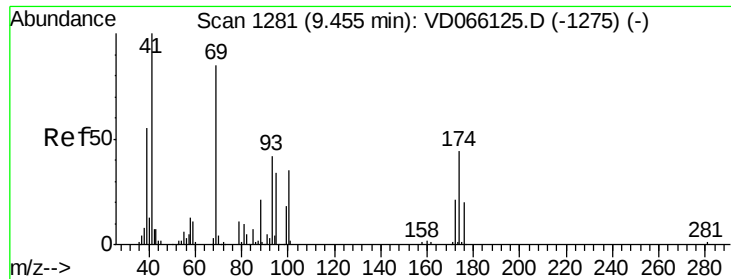
95 0.0 0.0 178.4



Abundance Ion 129.80 (129.50 to 130.50): VDC



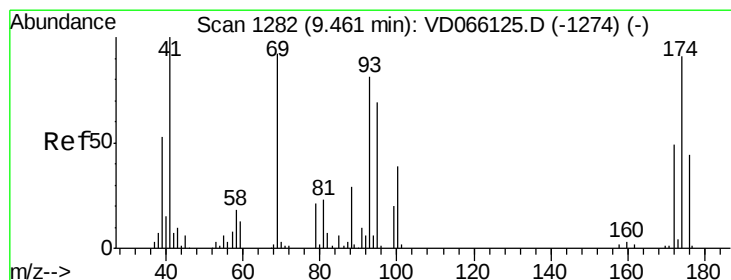
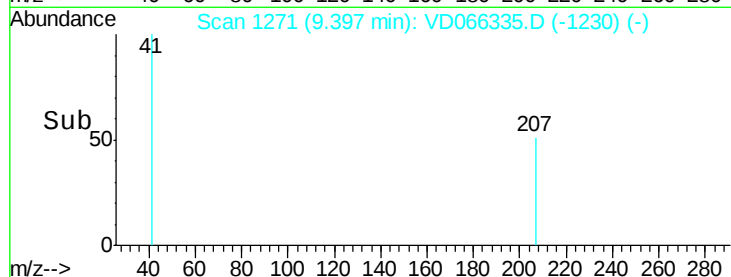
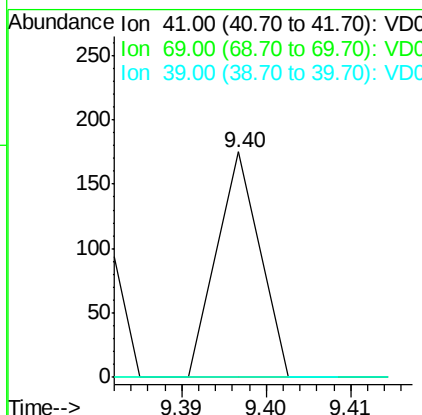
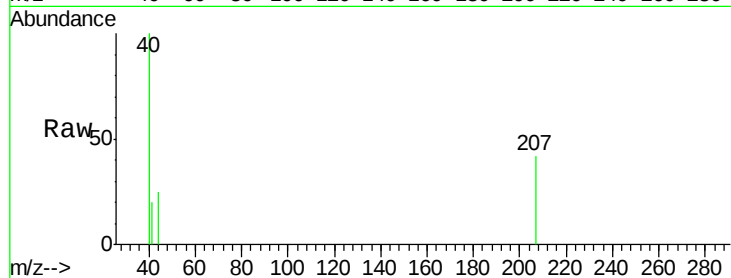
Time-->



#48
Methyl methacrylate
Concen: 4.062 ug/l
RT: 9.40 min Scan# 1271
Delta R.T. -0.06 min
Lab File: VD066335.D
Acq: 20 Aug 2020 00:58

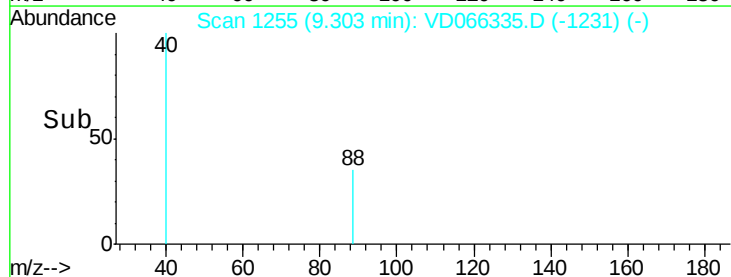
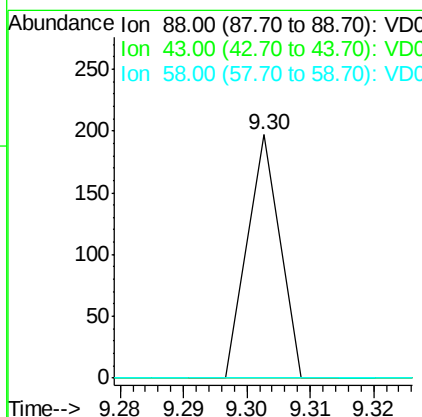
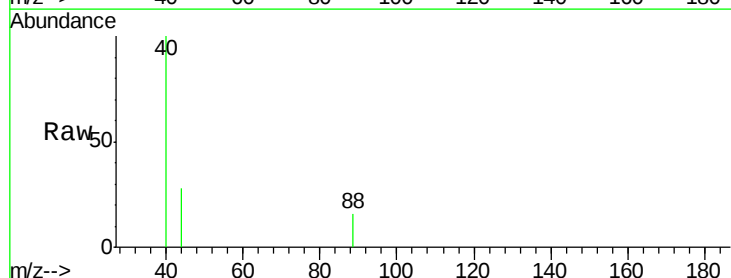
Instrument :
MSVOA_D
ClientSampleId :
CHRT-27137RE

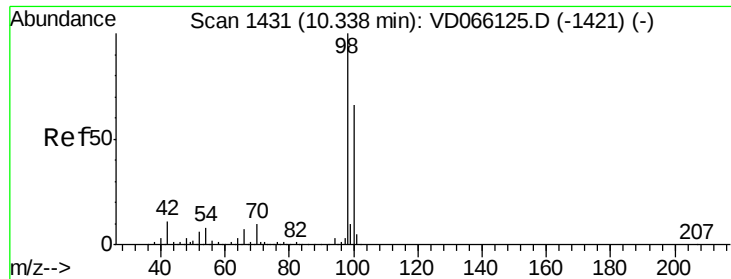
Tot Ion: 41 Resp: 62
Ion Ratio Lower Upper
41 100
69 0.0 63.9 95.9#
39 0.0 42.6 64.0#



#49
1,4-Dioxane
Concen: 380.734 ug/l
RT: 9.30 min Scan# 1255
Delta R.T. -0.16 min
Lab File: VD066335.D
Acq: 20 Aug 2020 00:58

Tgt Ion: 88 Resp: 70
Ion Ratio Lower Upper
88 100
43 0.0 27.5 41.3#
58 0.0 50.2 75.4#





#50

Toluene-d8

Concen: 45.296 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VD066335.D

Acq: 20 Aug 2020 00:58

Instrument :

MSVOA_D

ClientSampleId :

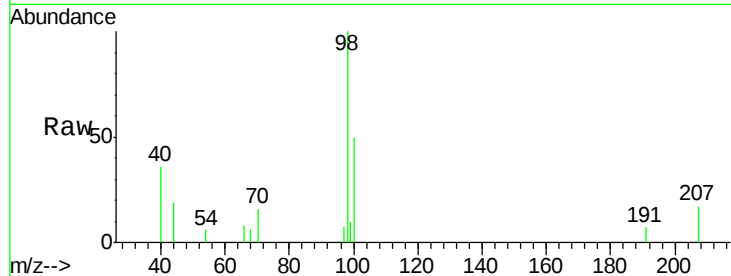
CHRT-27137RE

Tot Ion: 98 Resp: 4315

Ion Ratio Lower Upper

98 100

100 62.7 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

10.34

2500

2000

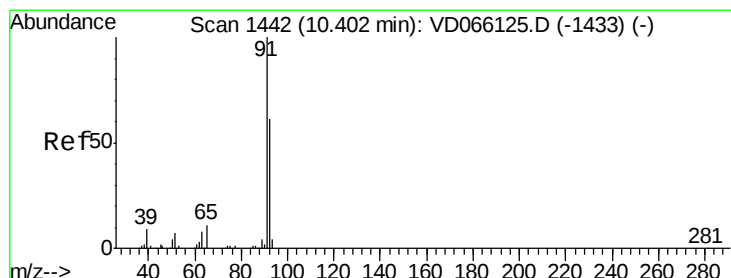
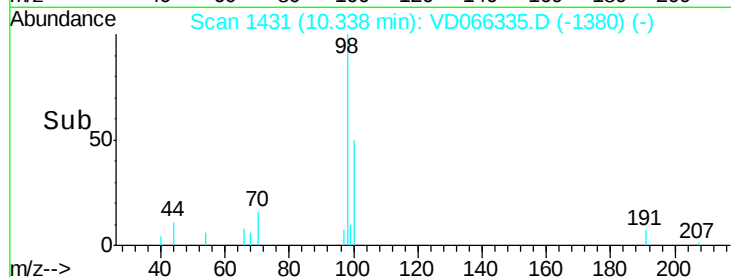
1500

1000

500

0

Time-->



#52

Toluene

Concen: 7.854 ug/l

RT: 10.39 min Scan# 1440

Delta R.T. -0.01 min

Lab File: VD066335.D

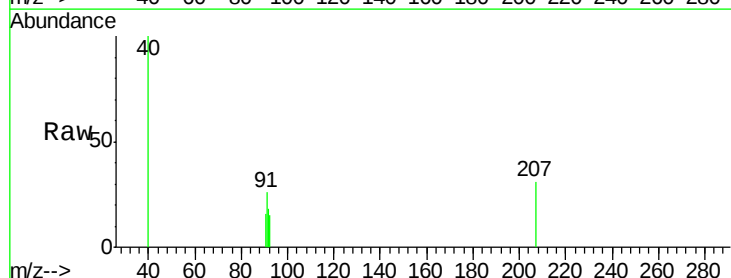
Acq: 20 Aug 2020 00:58

Tgt Ion: 92 Resp: 549

Ion Ratio Lower Upper

92 100

91 104.7 135.2 202.8#



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.39

400

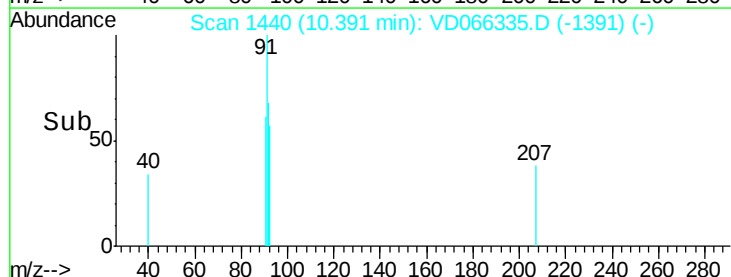
300

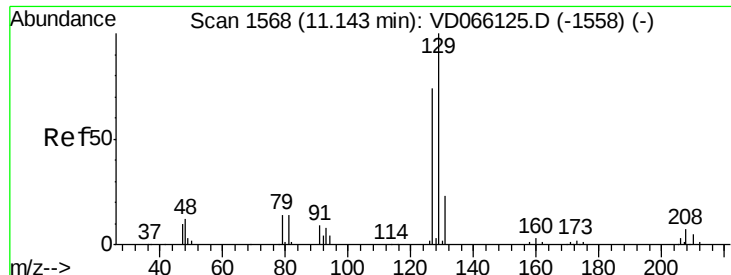
200

100

0

Time-->

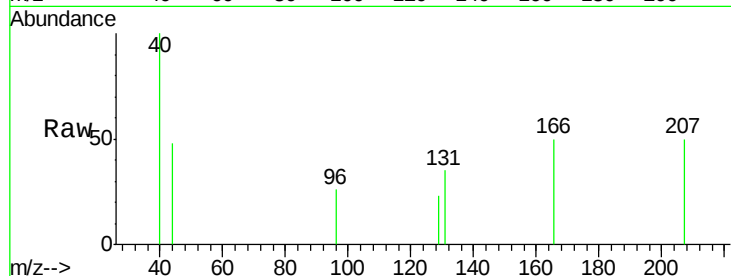




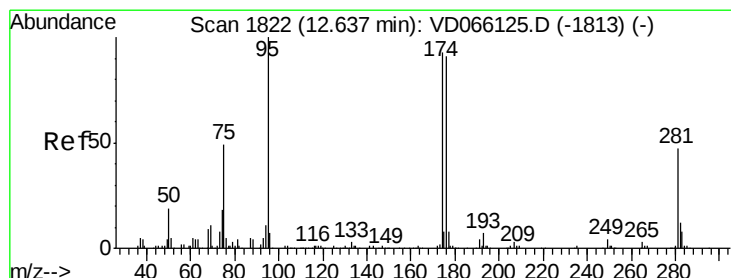
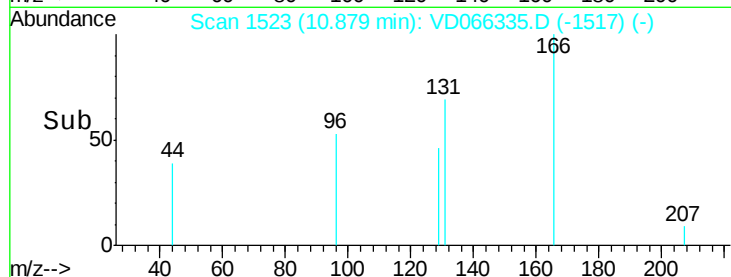
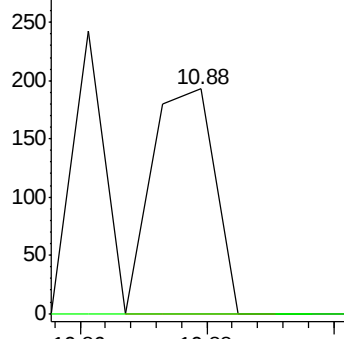
#60
Dibromochloromethane
Concen: 4.640 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.26 min
Lab File: VD066335.D
Acq: 20 Aug 2020 00:58

Instrument :
MSVOA_D
ClientSampleId :
CHRT-27137RE

Tot Ion:129 Resp: 132
Ion Ratio Lower Upper
129 100
127 0.0 38.0 114.1#

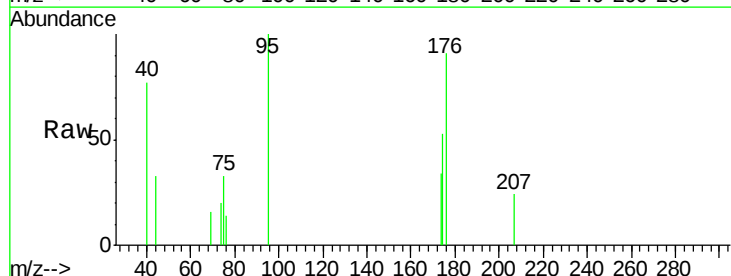


Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V

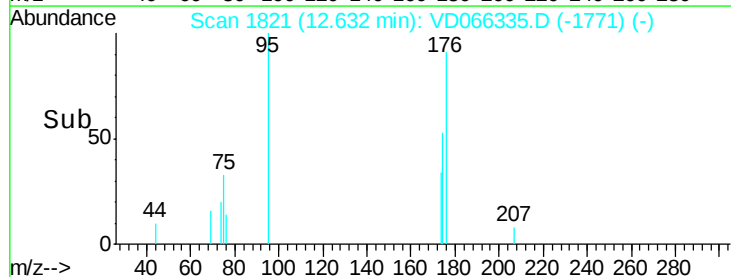
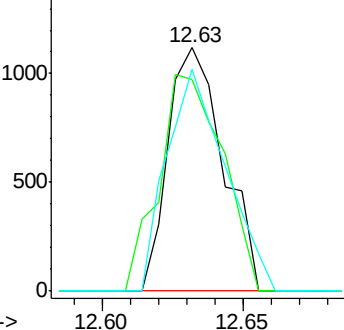


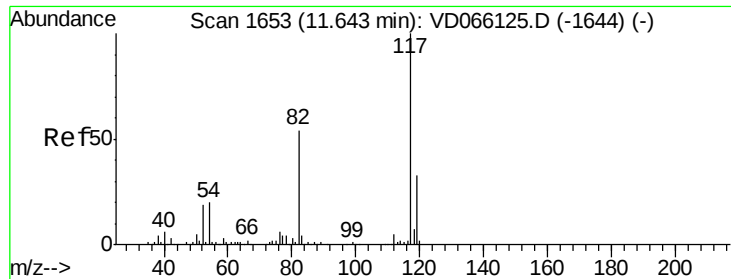
#62
4-Bromofluorobenzene
Concen: 44.091 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.01 min
Lab File: VD066335.D
Acq: 20 Aug 2020 00:58

Tgt Ion: 95 Resp: 1514
Ion Ratio Lower Upper
95 100
174 103.1 0.0 180.8
176 97.4 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

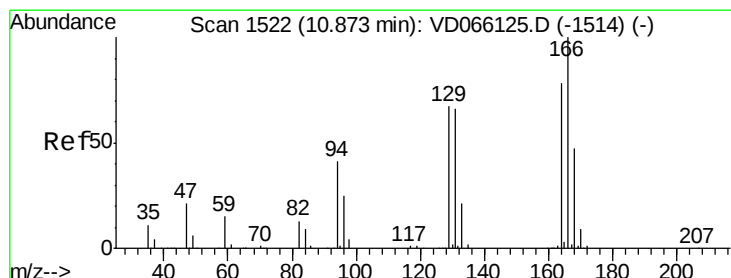
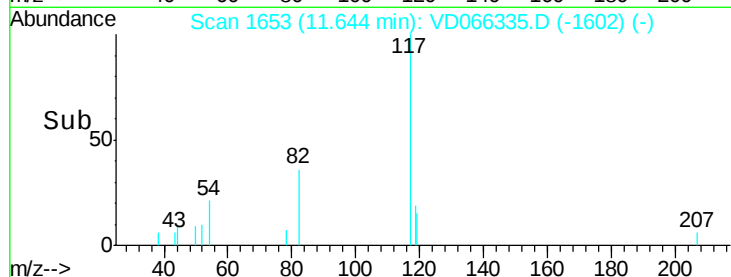
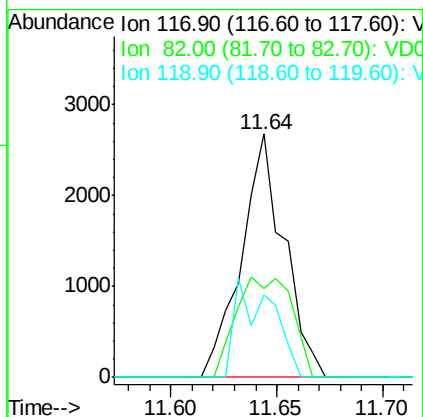
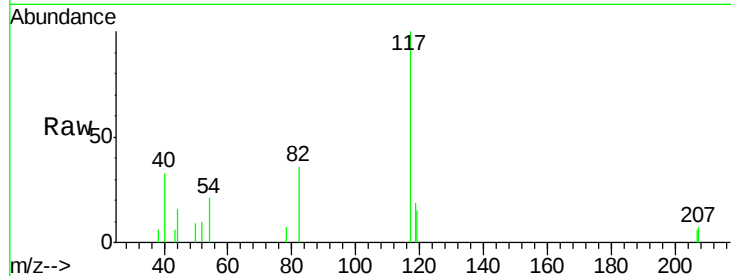




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066335.D
Acq: 20 Aug 2020 00:58

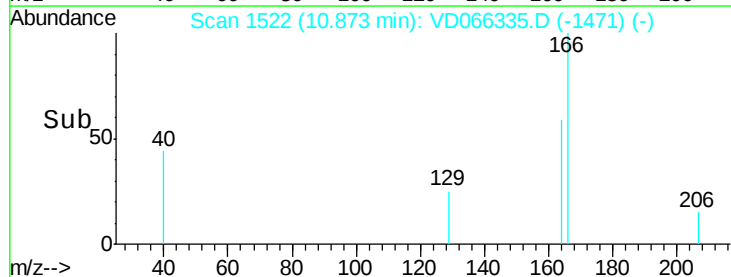
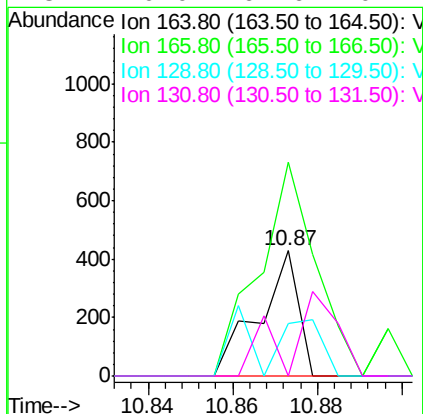
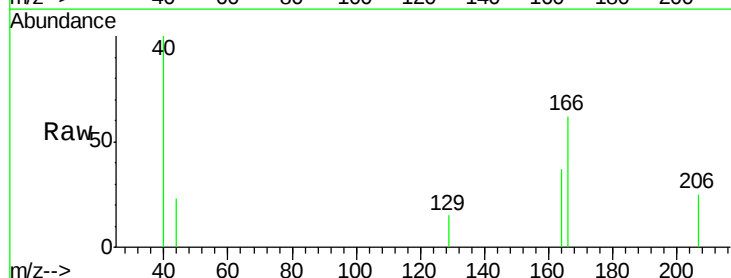
Instrument :
MSVOA_D
ClientSampleId :
CHRT-27137RE

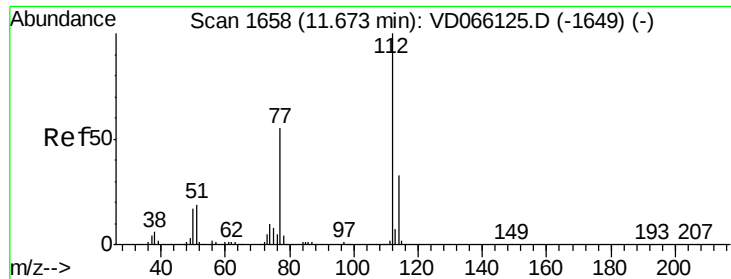
Tot Ion:117 Resp: 3761
Ion Ratio Lower Upper
117 100
82 36.4 43.0 64.4#
119 33.8 26.1 39.1



#64
Tetrachloroethene
Concen: 9.730 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD066335.D
Acq: 20 Aug 2020 00:58

Tgt Ion:164 Resp: 281
Ion Ratio Lower Upper
164 100
166 170.8 101.9 152.9#
129 42.1 68.1 102.1#
131 0.0 67.6 101.4#

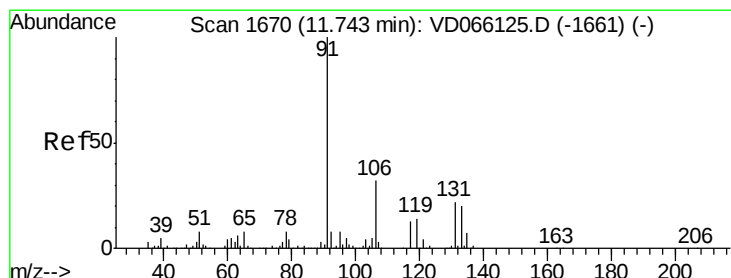
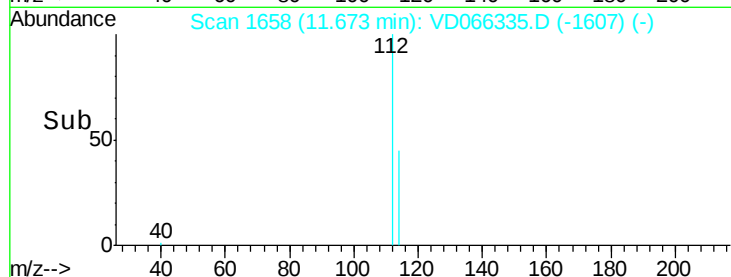
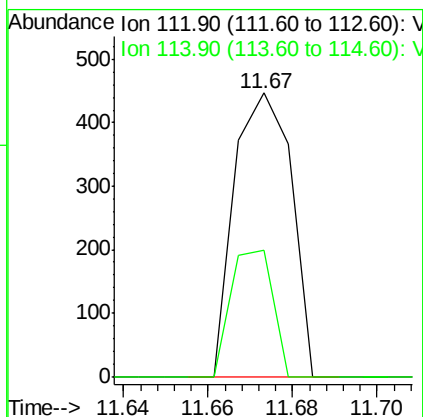
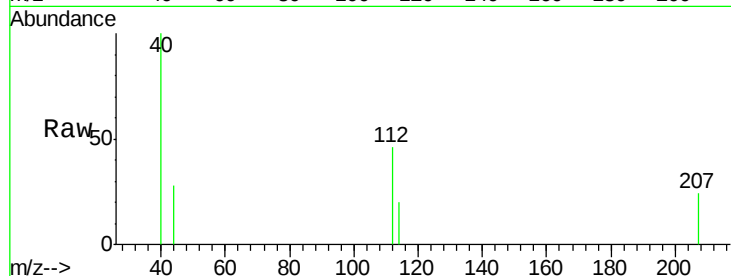




#65
Chlorobenzene
Concen: 5.488 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD066335.D
Acq: 20 Aug 2020 00:58

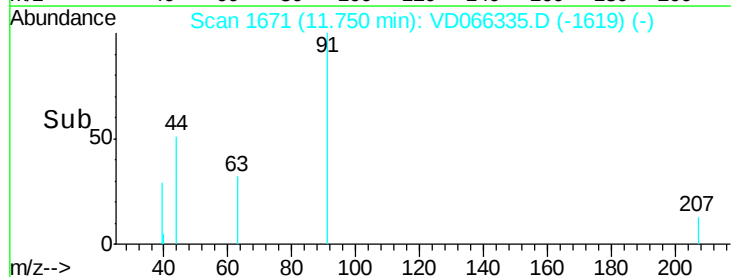
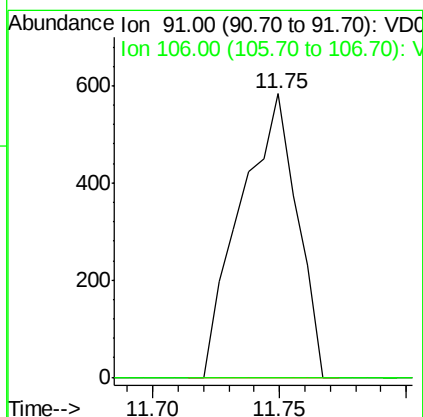
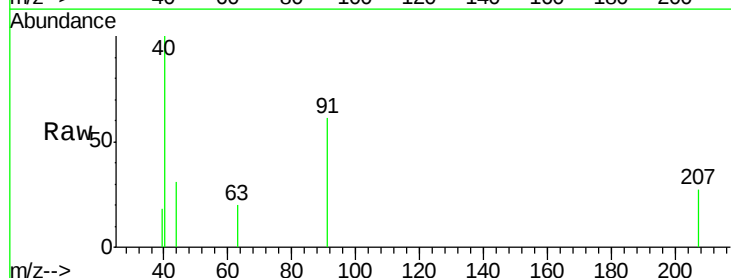
Instrument :
MSVOA_D
ClientSampleId :
CHRT-27137RE

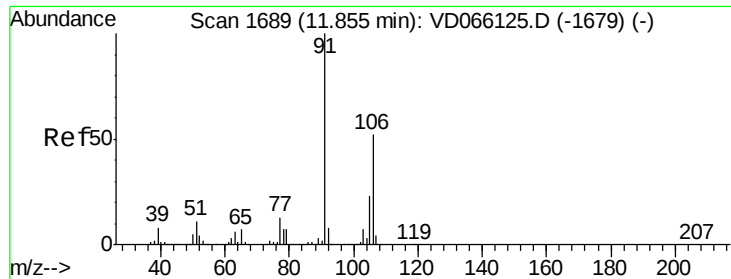
Tot Ion:112 Resp: 419
Ion Ratio Lower Upper
112 100
114 44.5 26.1 39.1#



#67
Ethyl Benzene
Concen: 6.825 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD066335.D
Acq: 20 Aug 2020 00:58

Tgt Ion: 91 Resp: 903
Ion Ratio Lower Upper
91 100
106 0.0 25.7 38.5#

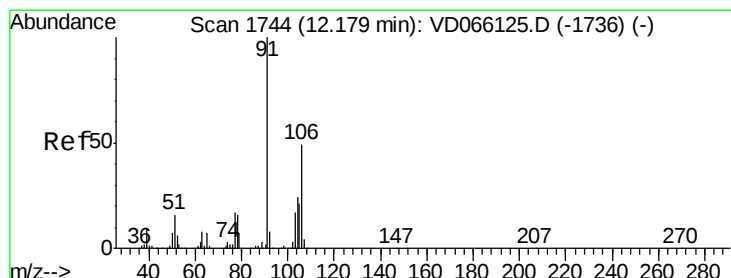
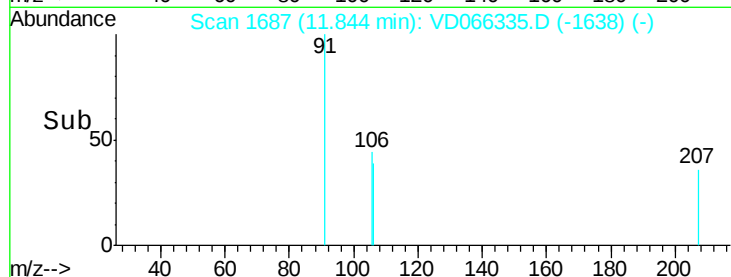
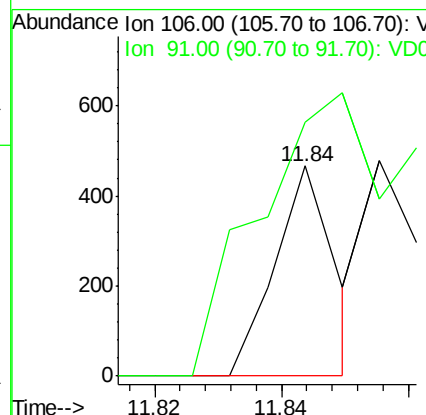
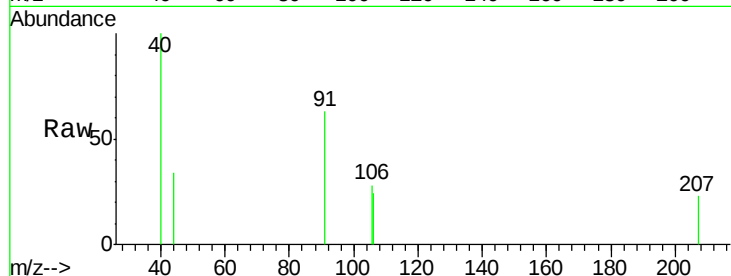




#68
m/p-Xylenes
Concen: 5.930 ug/l
RT: 11.84 min Scan# 1687
Delta R.T. -0.01 min
Lab File: VD066335.D
Acq: 20 Aug 2020 00:58

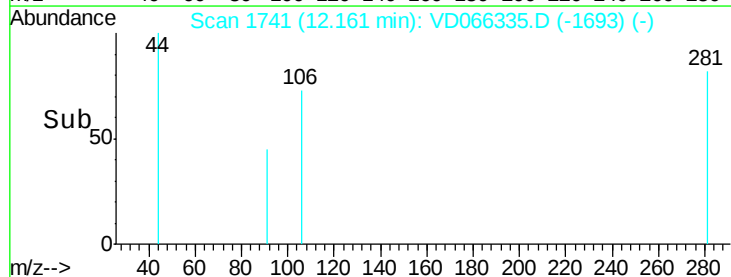
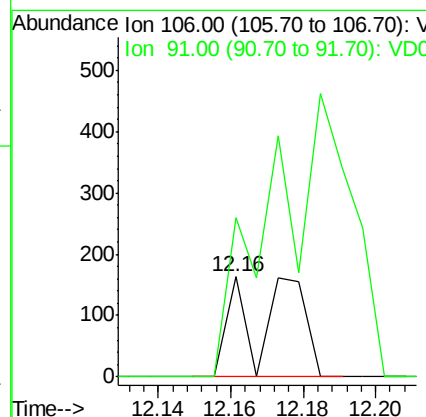
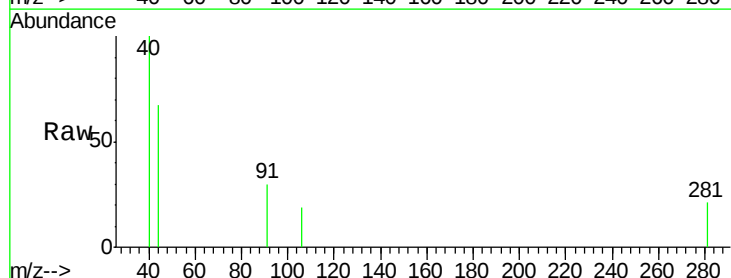
Instrument :
MSVOA_D
ClientSampleId :
CHRT-27137RE

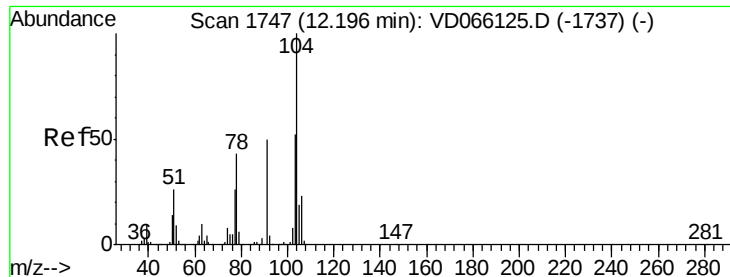
Tot Ion:106 Resp: 304
Ion Ratio Lower Upper
106 100
91 393.4 156.6 235.0#



#69
o-Xylene
Concen: 3.624 ug/l
RT: 12.16 min Scan# 1741
Delta R.T. -0.02 min
Lab File: VD066335.D
Acq: 20 Aug 2020 00:58

Tgt Ion:106 Resp: 169
Ion Ratio Lower Upper
106 100
91 0.0 105.7 317.1#

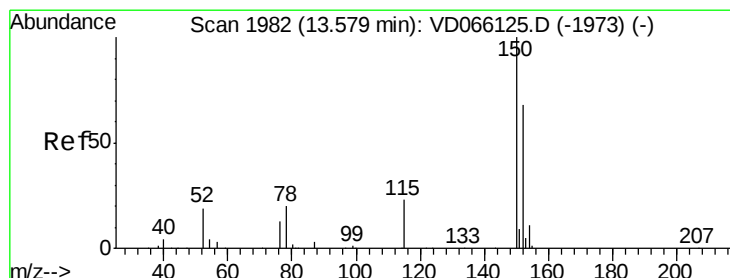
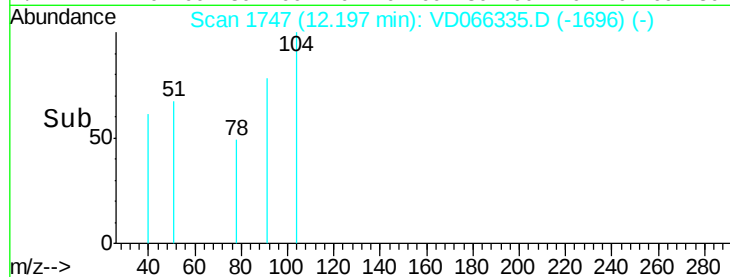
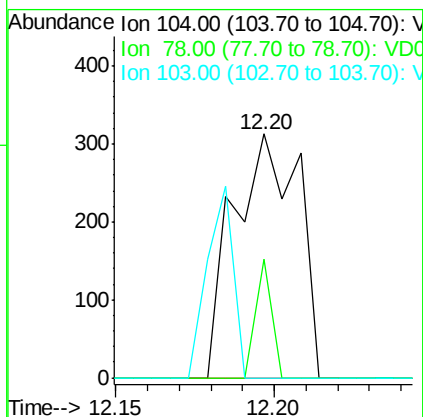
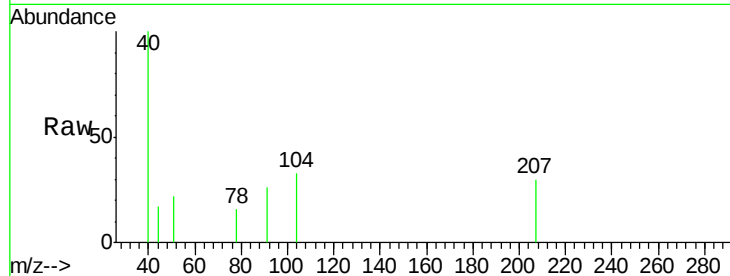




#70
Stvrene
Concen: 5.458 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD066335.D
Acq: 20 Aug 2020 00:58

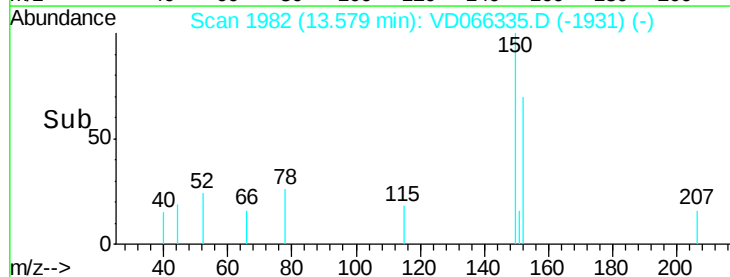
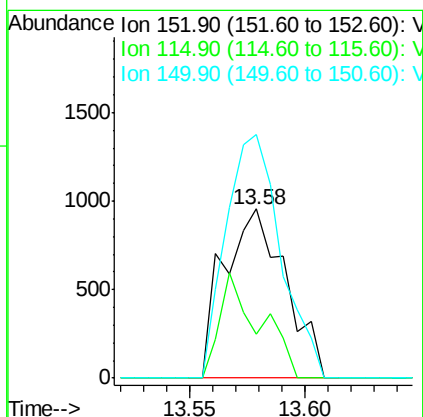
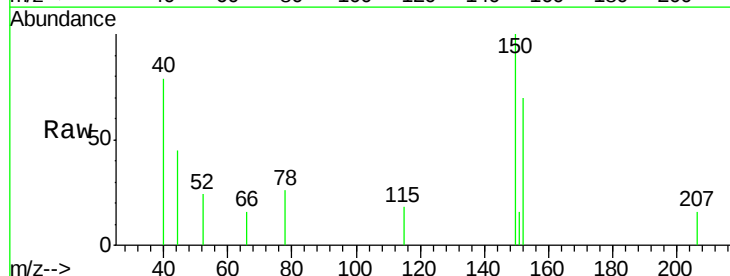
Instrument :
MSVOA_D
ClientSampleId :
CHRT-27137RE

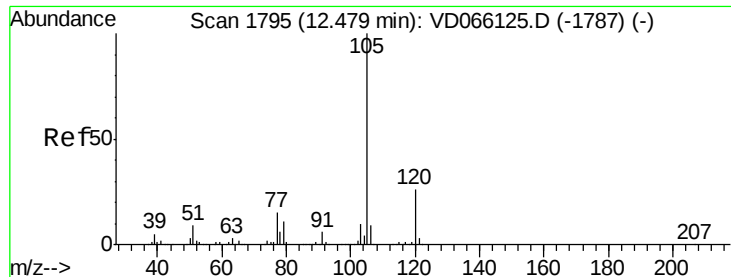
Tot Ion:104 Resp: 446
Ion Ratio Lower Upper
104 100
78 12.1 38.6 58.0#
103 31.4 44.1 66.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066335.D
Acq: 20 Aug 2020 00:58

Tgt Ion:152 Resp: 1780
Ion Ratio Lower Upper
152 100
115 40.2 28.0 83.9
150 127.9 0.0 346.4





#73

Isopropylbenzene

Concen: 7.600 ug/l

RT: 12.47 min Scan# 1794

Delta R.T. -0.01 min

Lab File: VD066335.D

Acq: 20 Aug 2020 00:58

Instrument :

MSVOA_D

ClientSampleId :

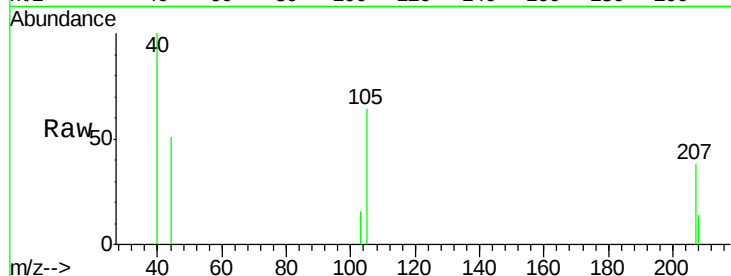
CHRT-27137RE

Tot Ion: 105 Resp: 903

Ion Ratio Lower Upper

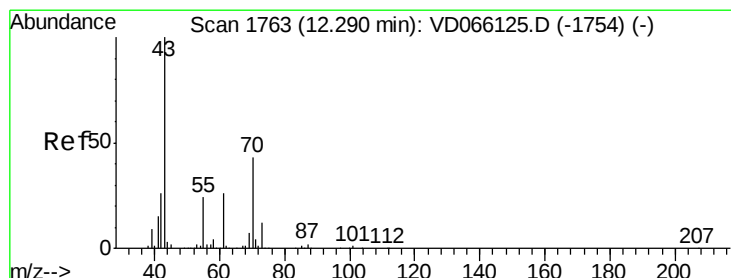
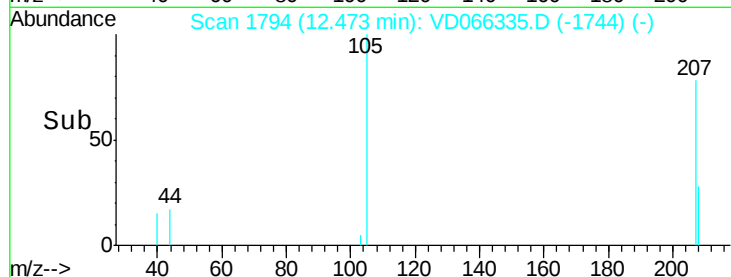
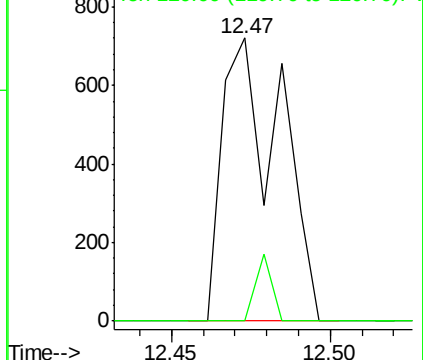
105 100

120 6.6 13.3 39.9#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 2.064 ug/l

RT: 12.24 min Scan# 1755

Delta R.T. -0.05 min

Lab File: VD066335.D

Acq: 20 Aug 2020 00:58

Tgt Ion: 43 Resp: 54

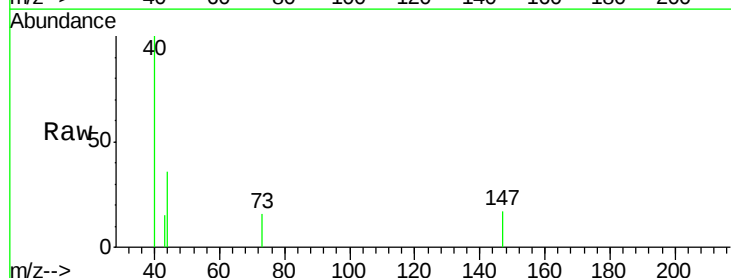
Ion Ratio Lower Upper

43 100

70 0.0 34.9 52.3#

55 0.0 19.2 28.8#

61 0.0 19.7 29.5#

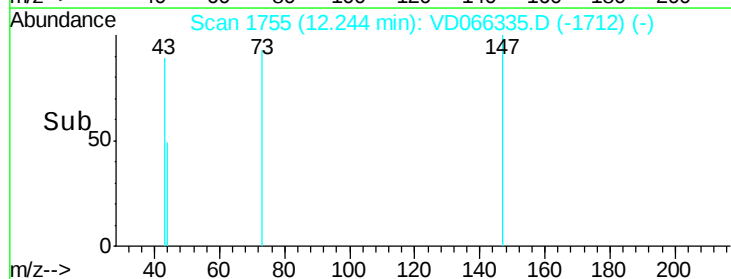
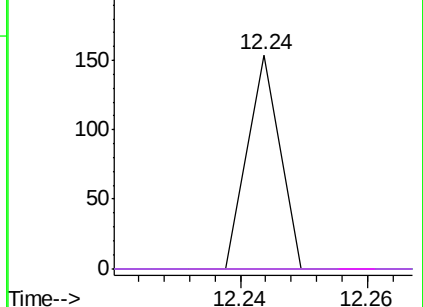


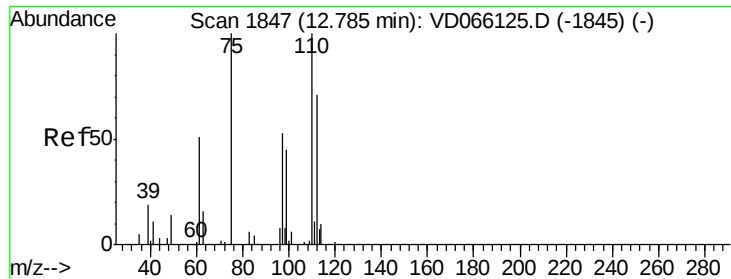
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#76

1,2,3-Trichloropropane

Concen: 49.987 ug/l

RT: 12.63 min Scan# 1820

Delta R.T. -0.16 min

Lab File: VD066335.D

Acq: 20 Aug 2020 00:58

Instrument :

MSVOA_D

ClientSampleId :

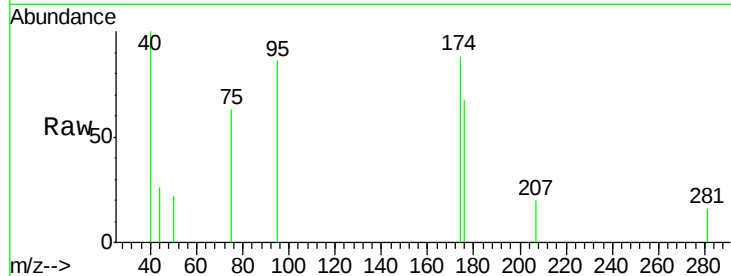
CHRT-27137RE

Tot Ion: 75 Resp: 742

Ion Ratio Lower Upper

75 100

77 0.0 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

800

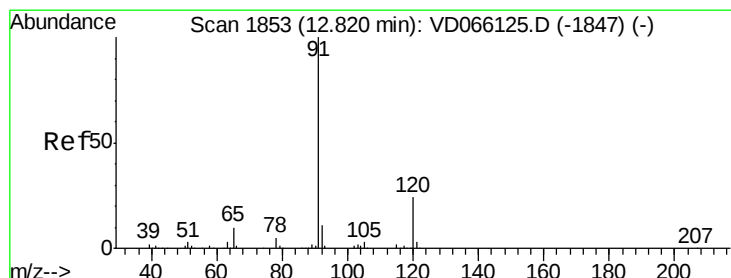
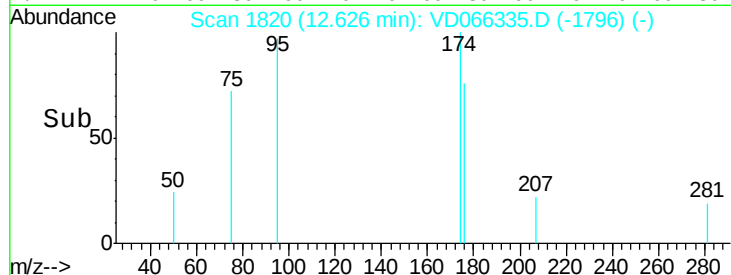
600

400

200

0

Time-->



#78

n-propylbenzene

Concen: 7.935 ug/l

RT: 12.81 min Scan# 1852

Delta R.T. -0.01 min

Lab File: VD066335.D

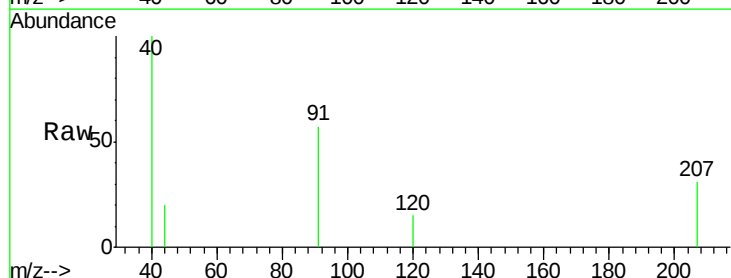
Acq: 20 Aug 2020 00:58

Tgt Ion: 91 Resp: 1096

Ion Ratio Lower Upper

91 100

120 21.2 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

12.81

800

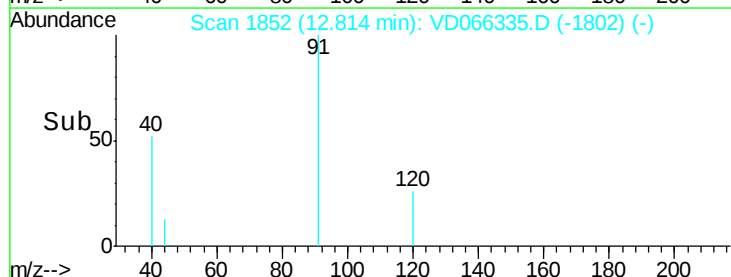
600

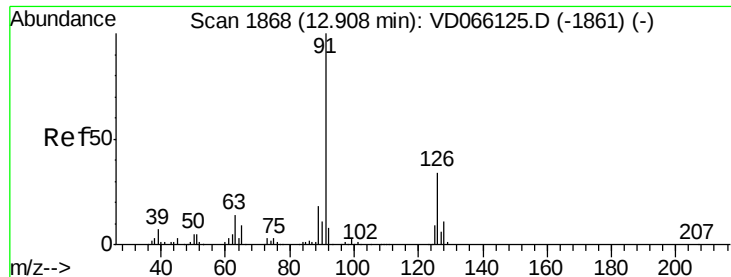
400

200

0

Time-->





#79

2-Chlorotoluene

Concen: 6.684 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.01 min

Lab File: VD066335.D

Acq: 20 Aug 2020 00:58

Instrument :

MSVOA_D

ClientSampleId :

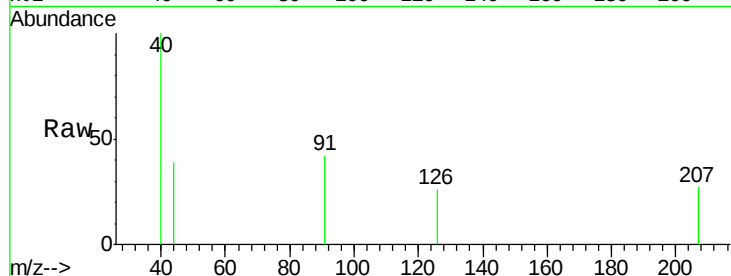
CHRT-27137RE

Tot Ion: 91 Resp: 528

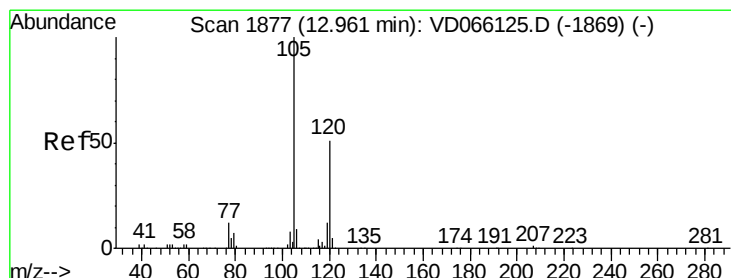
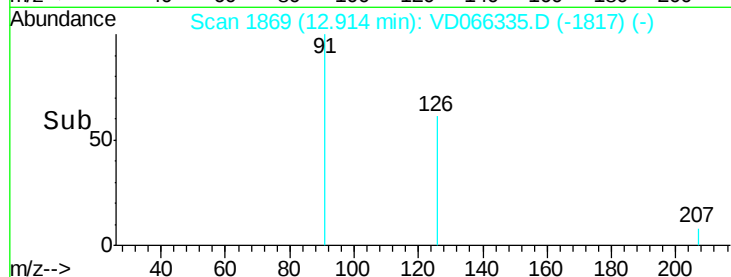
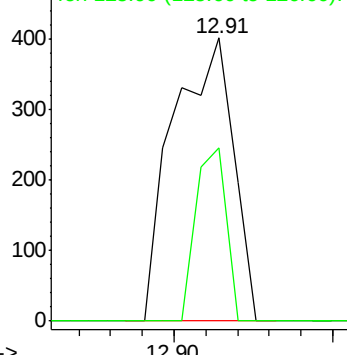
Ion Ratio Lower Upper

91 100

126 31.1 17.5 52.6



Abundance Ion 91.00 (90.70 to 91.70): V



#80

1,3,5-Trimethylbenzene

Concen: 5.726 ug/l

RT: 12.96 min Scan# 1876

Delta R.T. -0.01 min

Lab File: VD066335.D

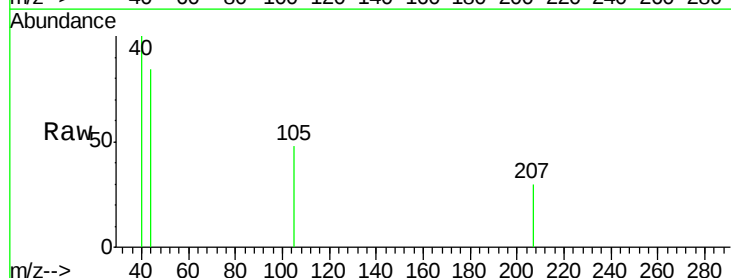
Acq: 20 Aug 2020 00:58

Tgt Ion: 105 Resp: 569

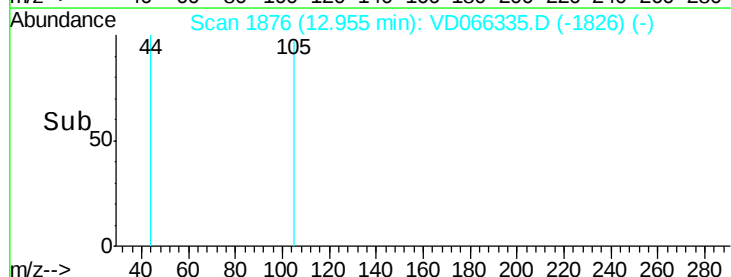
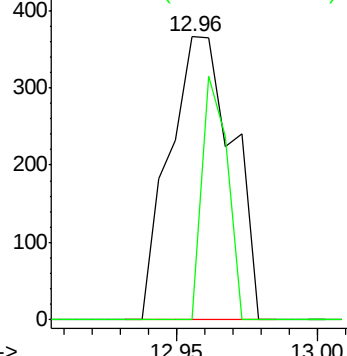
Ion Ratio Lower Upper

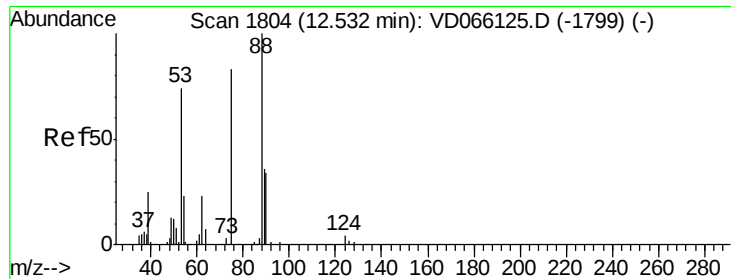
105 100

120 34.3 25.3 75.8



Abundance Ion 105.00 (104.70 to 105.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 110.499 ug/l

RT: 12.63 min Scan# 1820

Delta R.T. 0.09 min

Lab File: VD066335.D

Acq: 20 Aug 2020 00:58

Instrument :

MSVOA_D

ClientSampleId :

CHRT-27137RE

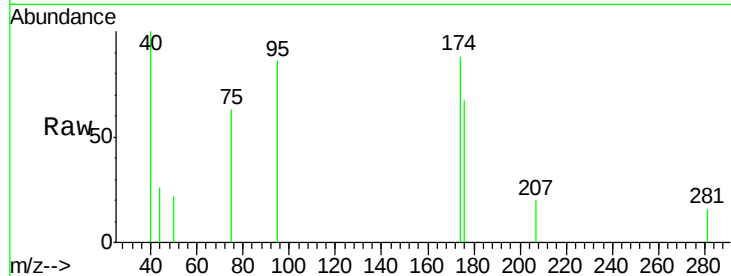
Tot Ion: 75 Resp: 742

Ion Ratio Lower Upper

75 100

53 0.0 73.4 110.2#

89 0.0 36.6 55.0#



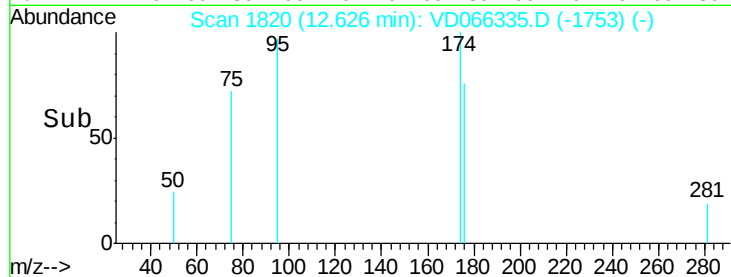
Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

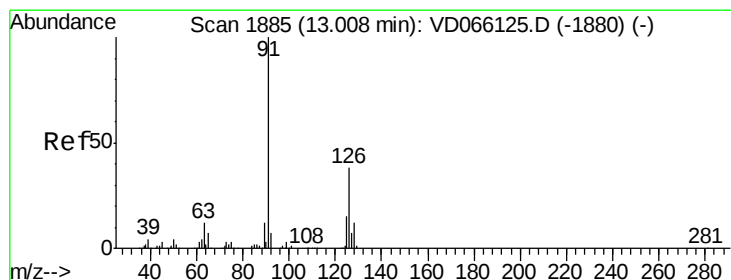
Ion 88.90 (88.60 to 89.60): VDC

12.63

12.65



Time-->



#82

4-Chlorotoluene

Concen: 6.332 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.09 min

Lab File: VD066335.D

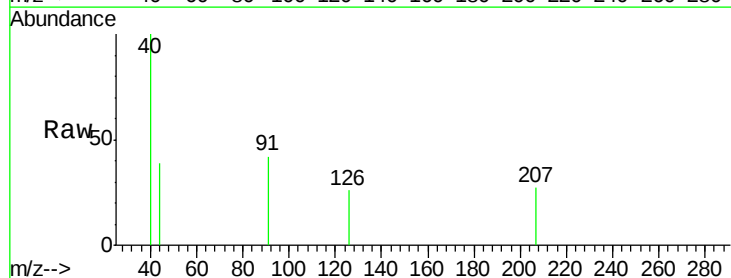
Acq: 20 Aug 2020 00:58

Tgt Ion: 91 Resp: 528

Ion Ratio Lower Upper

91 100

126 31.1 17.8 53.3

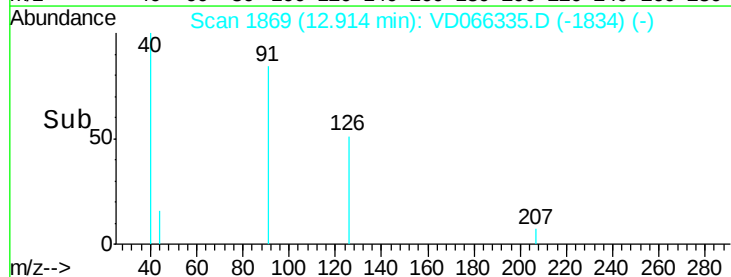


Abundance Ion 91.00 (90.70 to 91.70): VDC

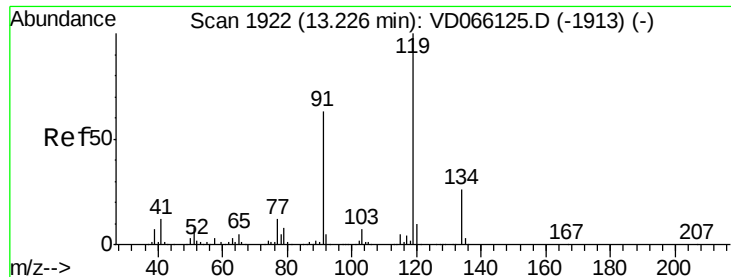
Ion 125.90 (125.60 to 126.60): V

12.91

12.90



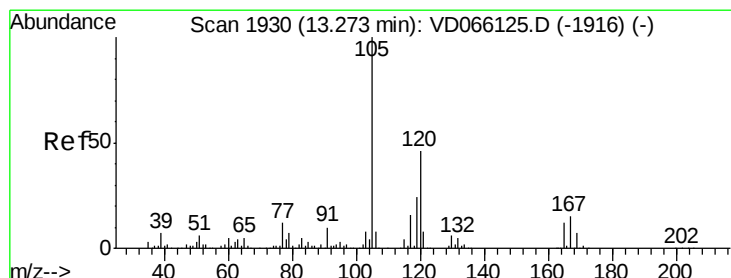
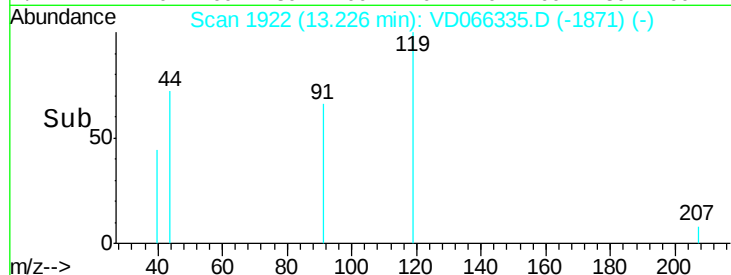
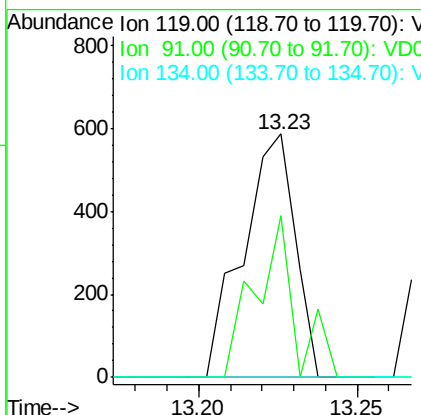
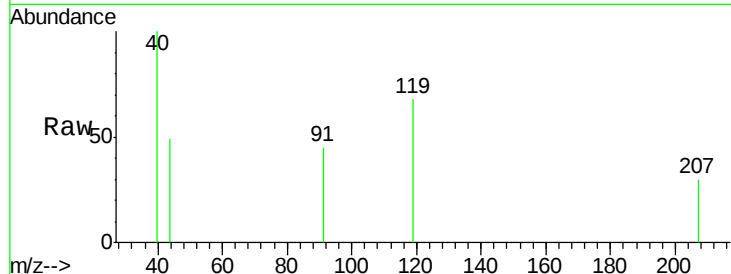
Time-->



#83
tert-Butylbenzene
Concen: 7.690 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD066335.D
Acq: 20 Aug 2020 00:58

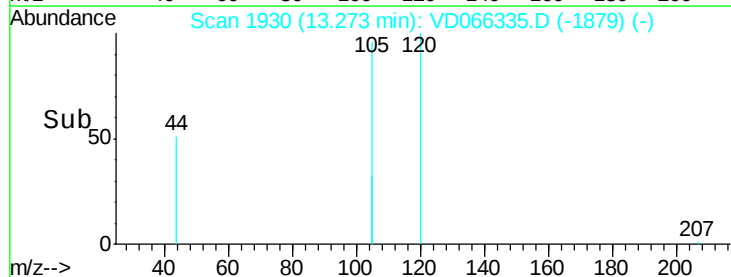
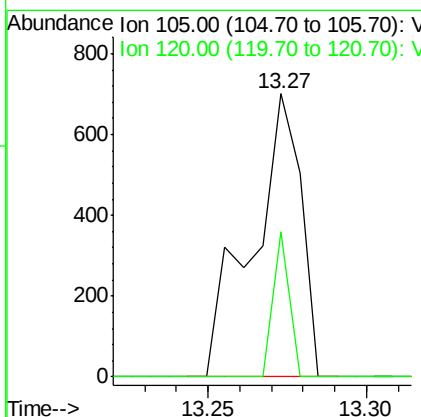
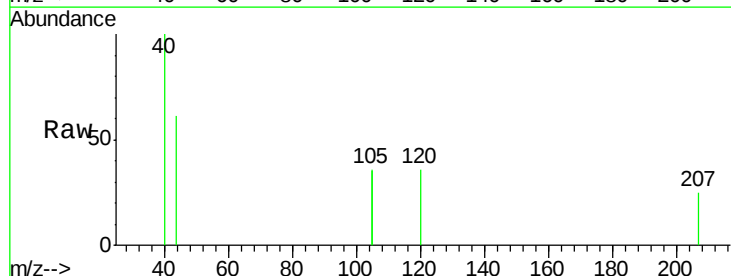
Instrument :
MSVOA_D
ClientSampleId :
CHRT-27137RE

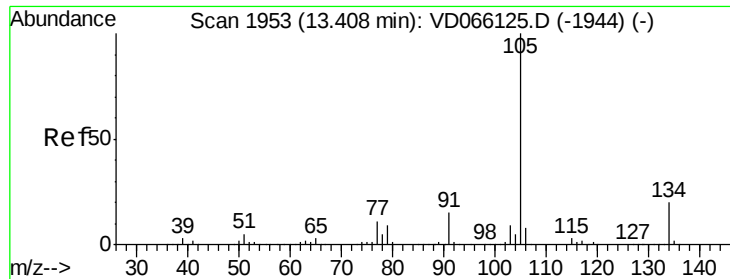
Tot Ion:119 Resp: 672
Ion Ratio Lower Upper
119 100
91 50.4 30.8 92.4
134 0.0 13.6 40.8#



#84
1,2,4-Trimethylbenzene
Concen: 7.542 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD066335.D
Acq: 20 Aug 2020 00:58

Tgt Ion:105 Resp: 750
Ion Ratio Lower Upper
105 100
120 16.9 23.1 69.2#





#85

sec-Butylbenzene

Concen: 6.594 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.01 min

Lab File: VD066335.D

Acq: 20 Aug 2020 00:58

Instrument :

MSVOA_D

ClientSampleId :

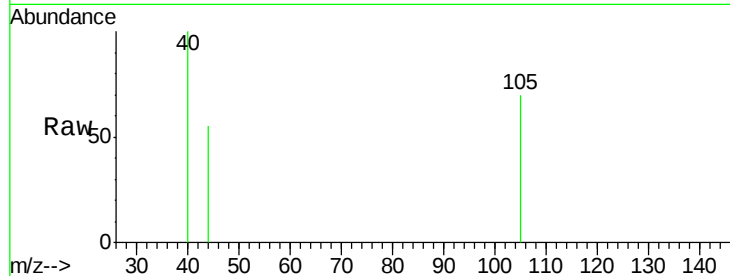
CHRT-27137RE

Tot Ion:105 Resp: 778

Ion Ratio Lower Upper

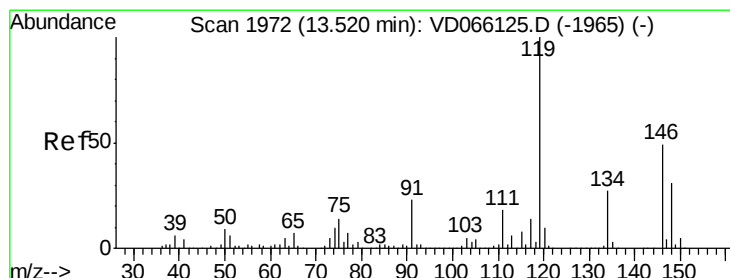
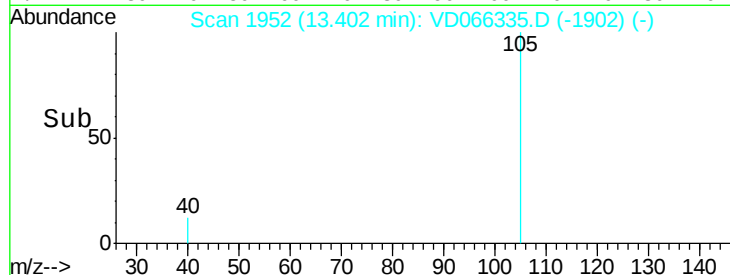
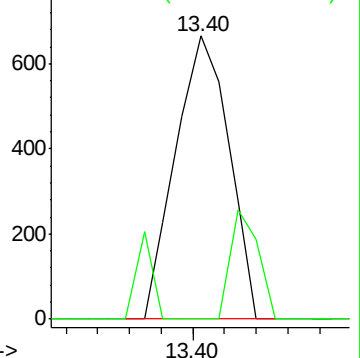
105 100

134 20.3 10.4 31.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 7.871 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.01 min

Lab File: VD066335.D

Acq: 20 Aug 2020 00:58

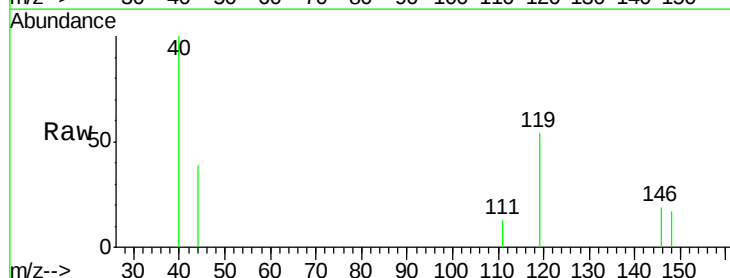
Tgt Ion:119 Resp: 871

Ion Ratio Lower Upper

119 100

134 7.7 13.5 40.4#

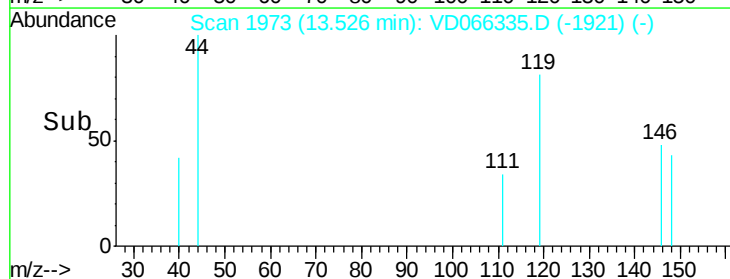
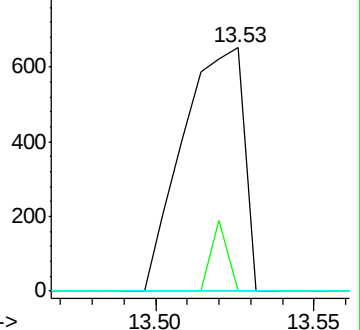
91 0.0 11.2 33.5#

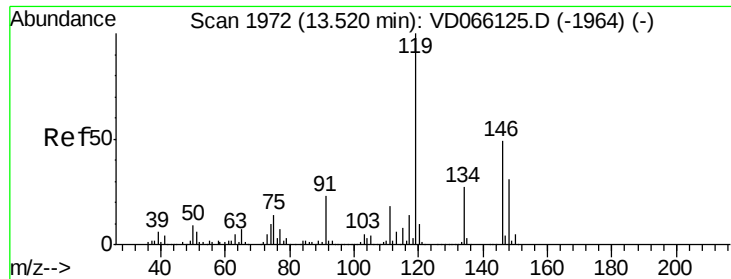


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

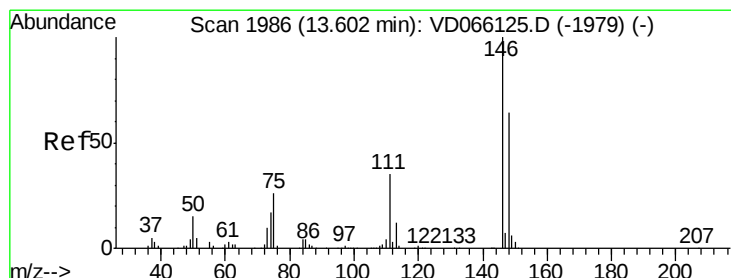
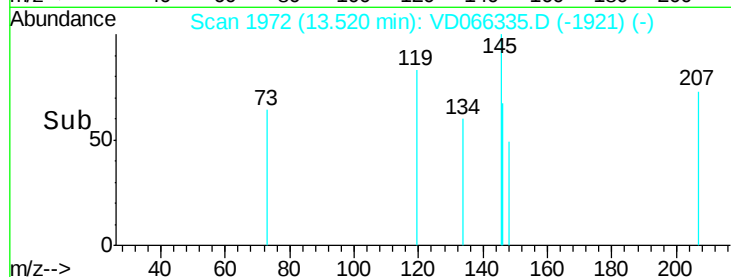
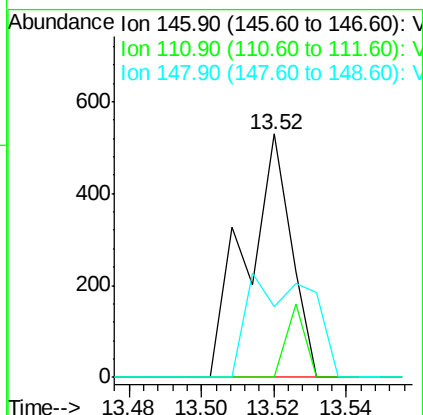
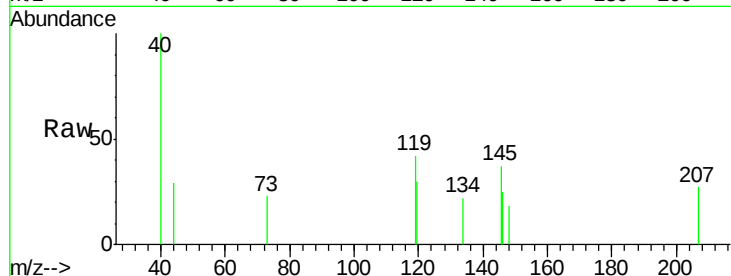




#87
 1,3-Dichlorobenzene
 Concen: 7.898 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD066335.D
 Acq: 20 Aug 2020 00:58

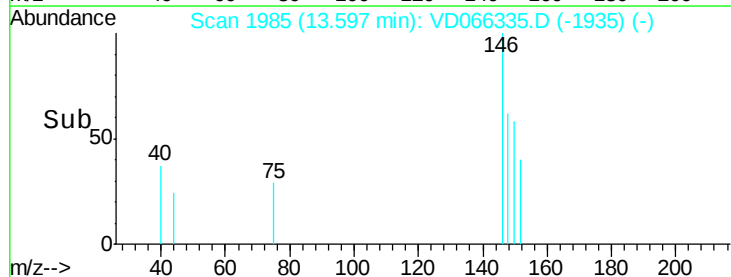
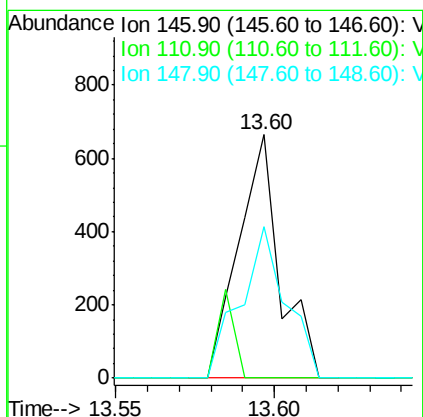
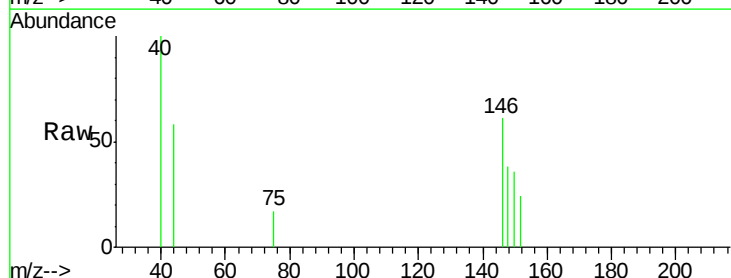
Instrument :
 MSVOA_D
 ClientSampleId :
 CHRT-27137RE

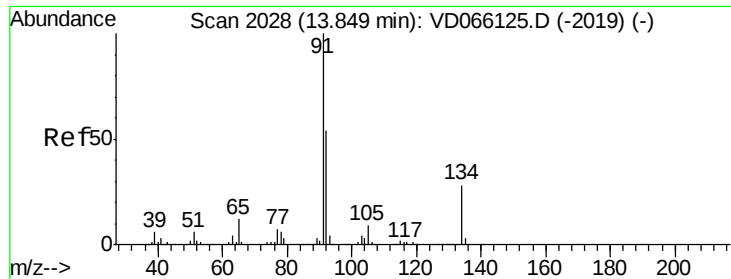
Tot Ion:146 Resp: 454
 Ion Ratio Lower Upper
 146 100
 111 12.3 18.9 56.9#
 148 59.9 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 10.466 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.01 min
 Lab File: VD066335.D
 Acq: 20 Aug 2020 00:58

Tgt Ion:146 Resp: 600
 Ion Ratio Lower Upper
 146 100
 111 14.3 18.6 55.8#
 148 69.0 32.4 97.0

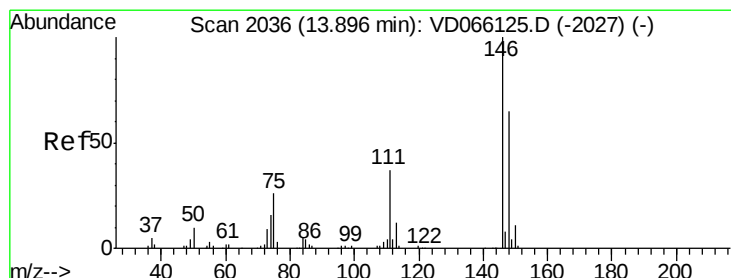
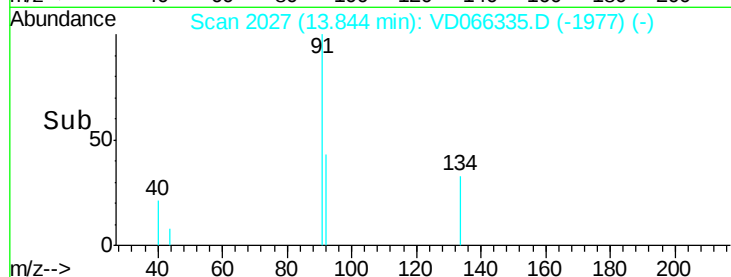
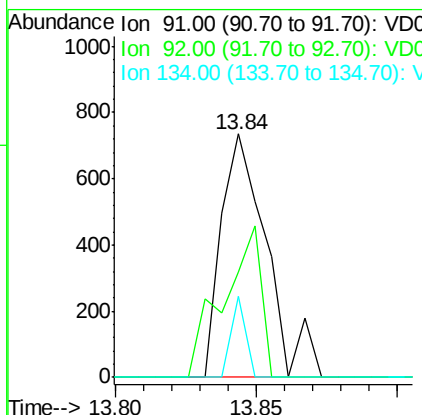
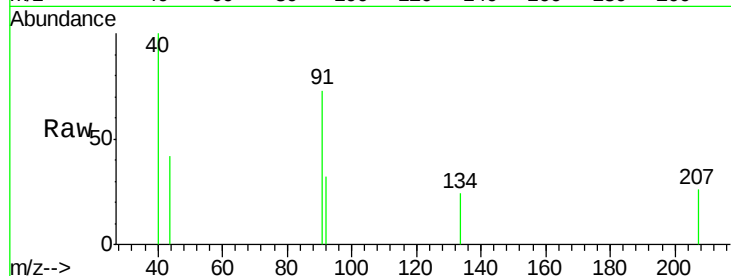




#89
n-Butylbenzene
Concen: 8.220 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.01 min
Lab File: VD066335.D
Acq: 20 Aug 2020 00:58

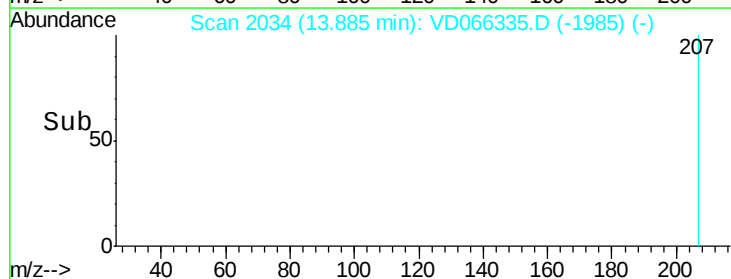
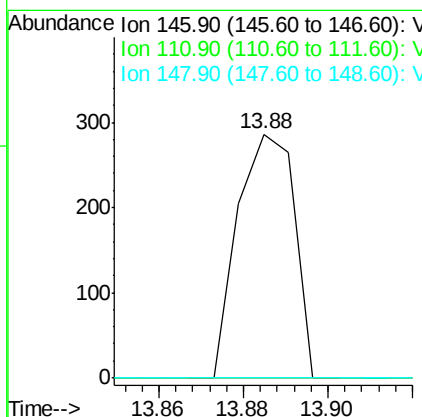
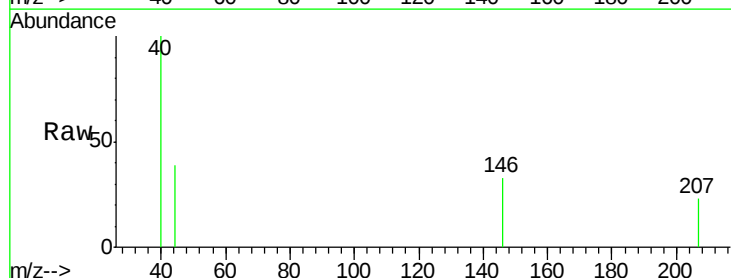
Instrument :
MSVOA_D
ClientSampleId :
CHRT-27137RE

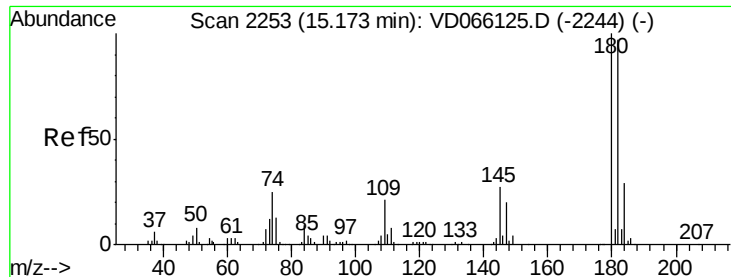
Tot Ion: 91 Resp: 815
Ion Ratio Lower Upper
91 100
92 52.1 26.8 80.3
134 10.6 14.0 41.9#



#91
1,2-Dichlorobenzene
Concen: 5.232 ug/l
RT: 13.88 min Scan# 2034
Delta R.T. -0.01 min
Lab File: VD066335.D
Acq: 20 Aug 2020 00:58

Tgt Ion: 146 Resp: 266
Ion Ratio Lower Upper
146 100
111 0.0 18.8 56.3#
148 0.0 31.9 95.5#

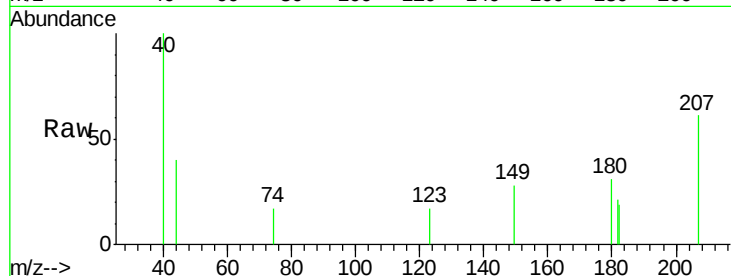




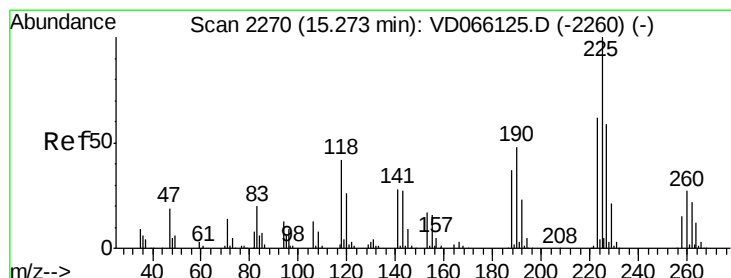
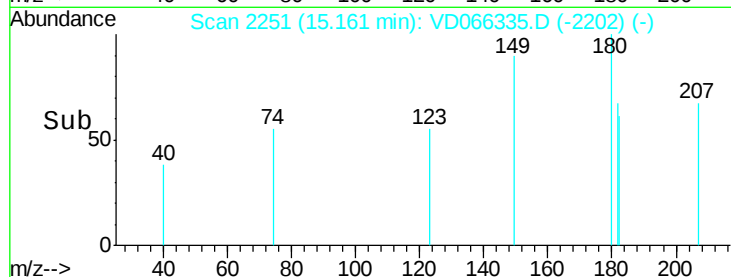
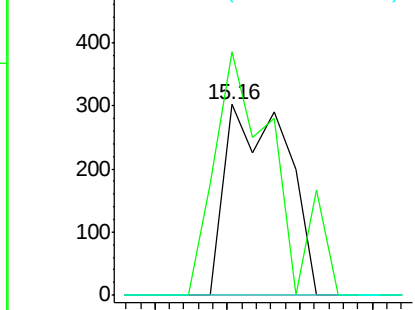
#93
 1,2,4-Trichlorobenzene
 Concen: 9.582 ug/l
 RT: 15.16 min Scan# 2251
 Delta R.T. -0.01 min
 Lab File: VD066335.D
 Acq: 20 Aug 2020 00:58

Instrument :
 MSVOA_D
 ClientSampleId :
 CHRT-27137RE

Tot Ion:180 Resp: 359
 Ion Ratio Lower Upper
 180 100
 182 123.7 47.4 142.2
 145 0.0 14.5 43.6#

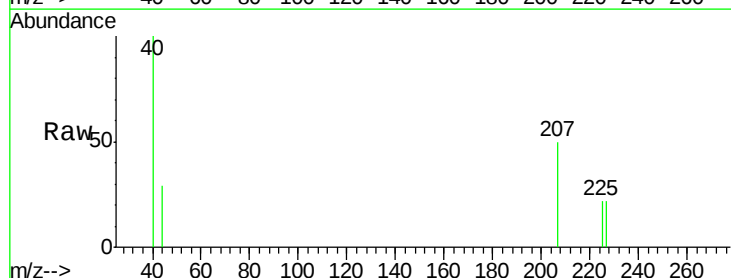


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

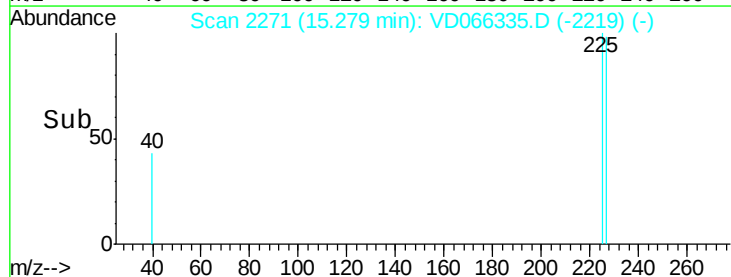
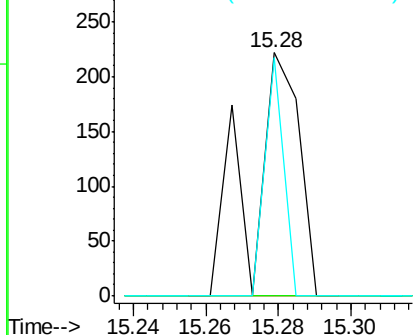


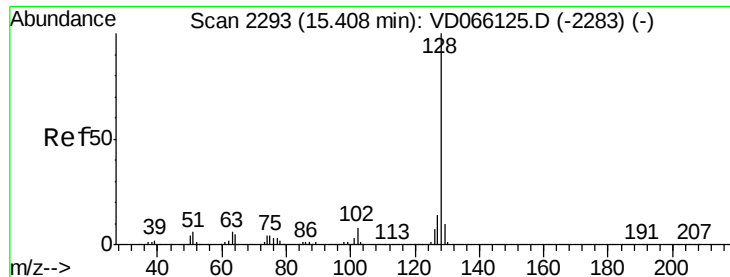
#94
 Hexachlorobutadiene
 Concen: 9.201 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD066335.D
 Acq: 20 Aug 2020 00:58

Tgt Ion:225 Resp: 203
 Ion Ratio Lower Upper
 225 100
 223 0.0 32.3 96.9#
 227 37.9 32.1 96.5



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 18.117 ug/l

RT: 15.40 min Scan# 2291

Delta R.T. -0.01 min

Lab File: VD066335.D

Acq: 20 Aug 2020 00:58

Instrument :

MSVOA_D

ClientSampleId :

CHRT-27137RE

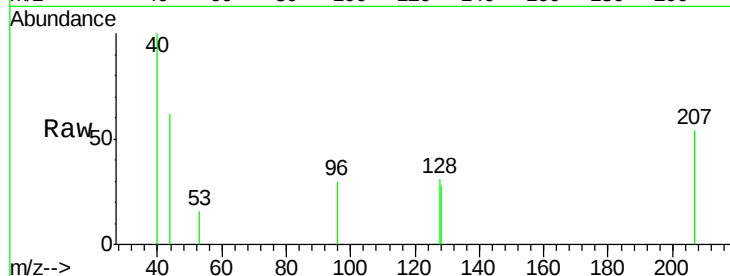
Tot Ion:128 Resp: 1106

Ion Ratio Lower Upper

128 100

127 0.0 11.0 16.4#

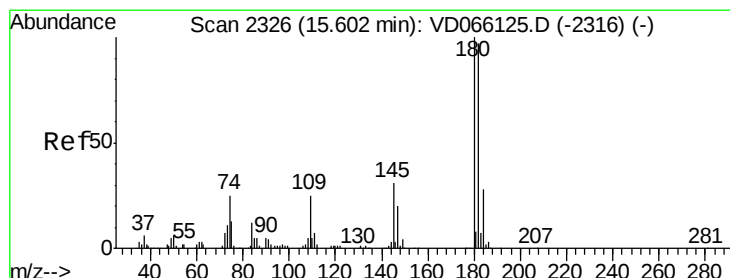
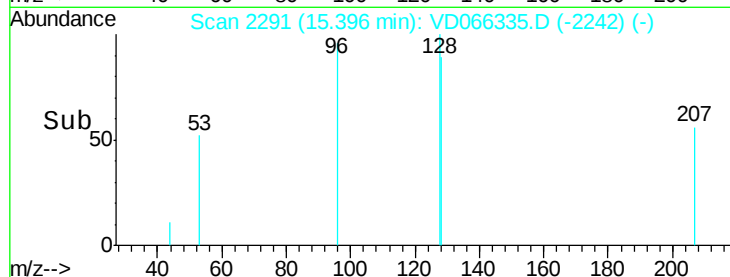
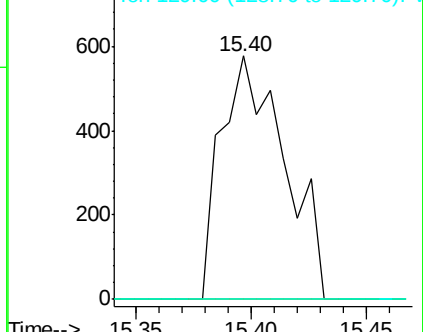
129 0.0 8.8 13.2#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 15.692 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VD066335.D

Acq: 20 Aug 2020 00:58

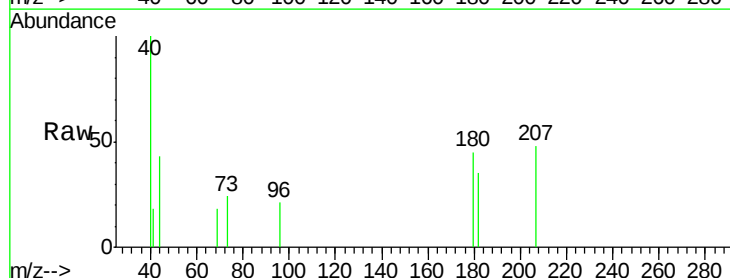
Tgt Ion:180 Resp: 519

Ion Ratio Lower Upper

180 100

182 63.6 47.1 141.4

145 10.8 14.9 44.9#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

