

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	R.T.	QIon	Response	Conc	Units	Dev(Min)
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	R.T.	QIon	Response	Conc	Units	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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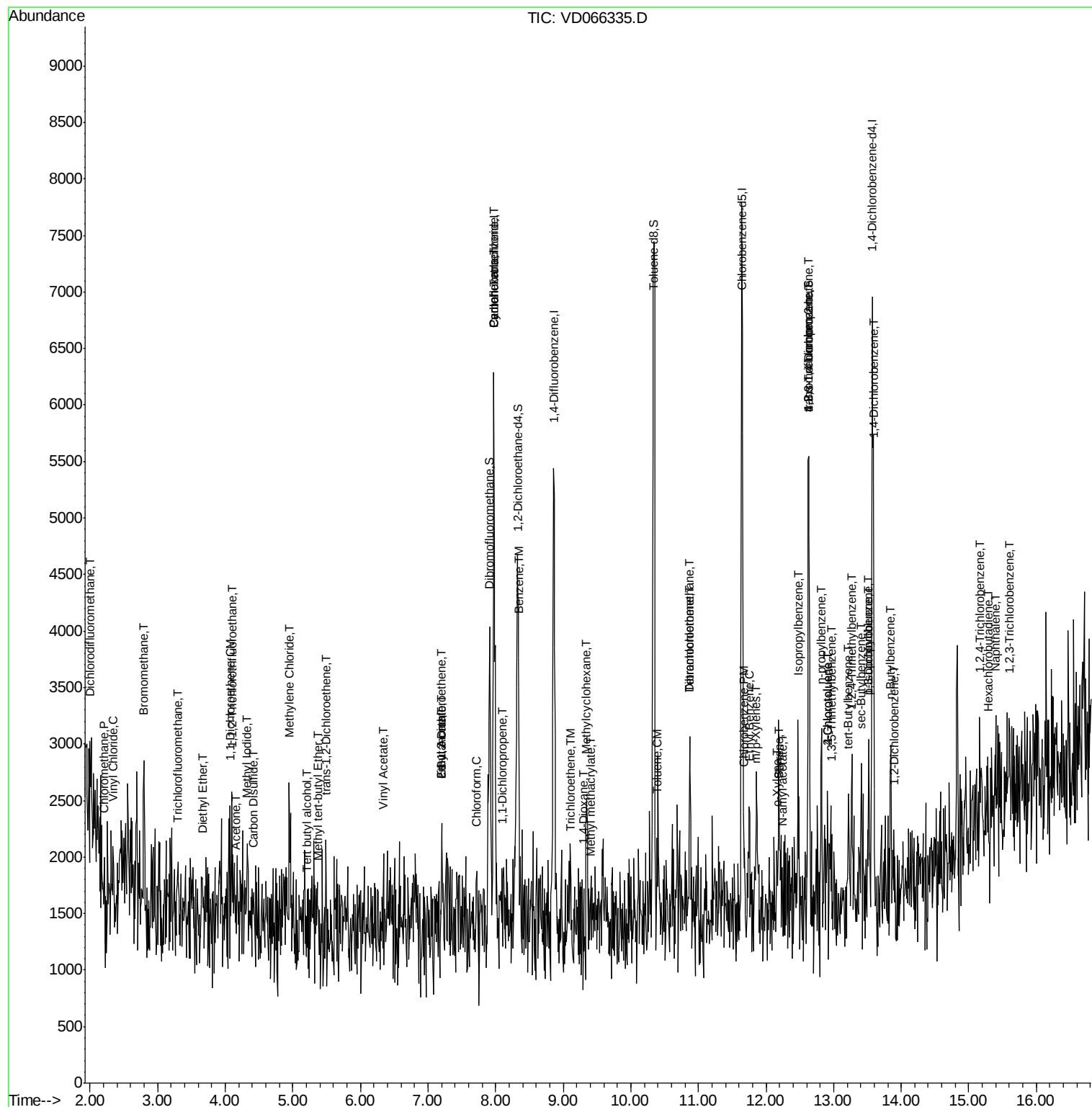
69) o-Xylene	12.16	106	169	3.624	ug/l #	1
70) Styrene	12.20	104	446	5.458	ug/l #	58
73) Isopropylbenzene	12.47	105	903	7.600	ug/l #	61
74) N-amyl acetate	12.24	43	54	2.064	ug/l #	42
76) 1,2,3-Trichloropropane	12.63	75	742	49.987	ug/l #	100
78) n-propylbenzene	12.81	91	1096	7.935	ug/l	94
79) 2-Chlorotoluene	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

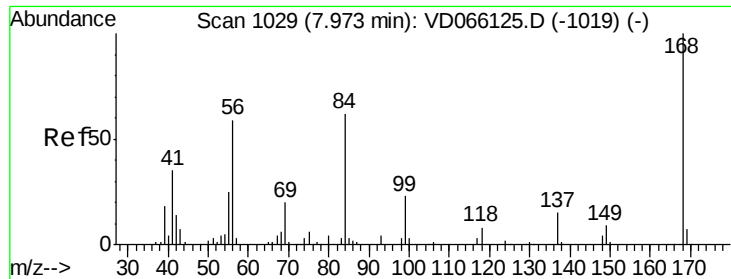
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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 :

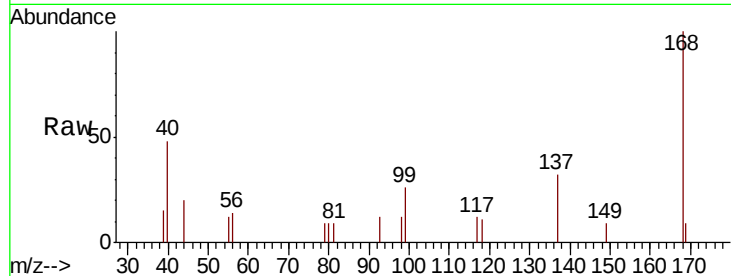
CHRT-27137RE

Tot Ion:168 Resp: 2815

Ion Ratio Lower Upper

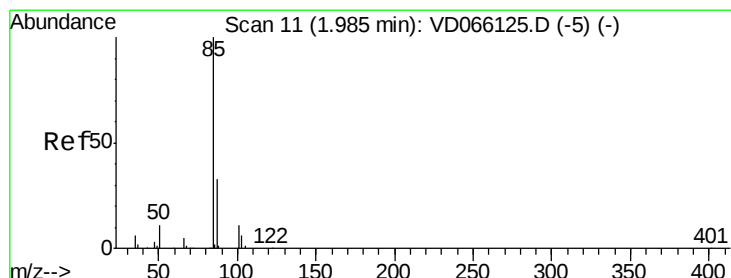
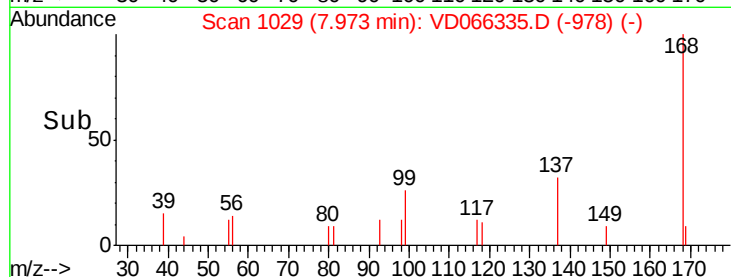
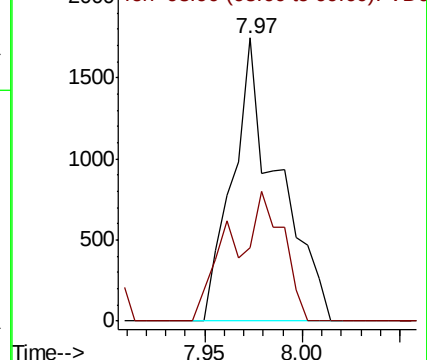
168 100

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



#2

Dichlorodifluoromethane

Concen: 3.951 ug/l

RT: 2.00 min Scan# 13

Delta R.T. 0.01 min

Lab File: VD066335.D

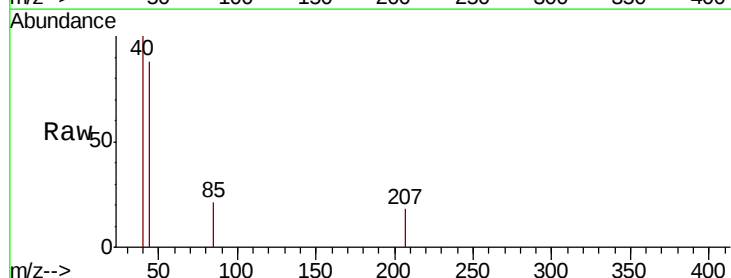
Acq: 20 Aug 2020 00:58

Tgt Ion: 85 Resp: 98

Ion Ratio Lower Upper

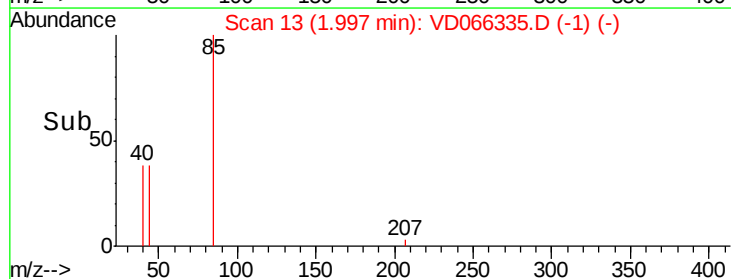
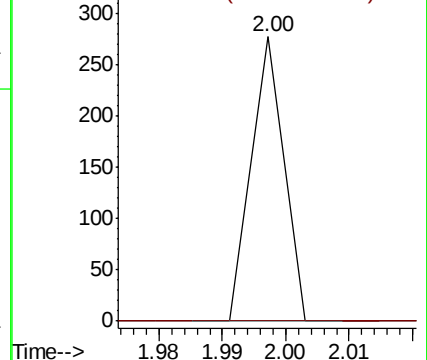
85 100

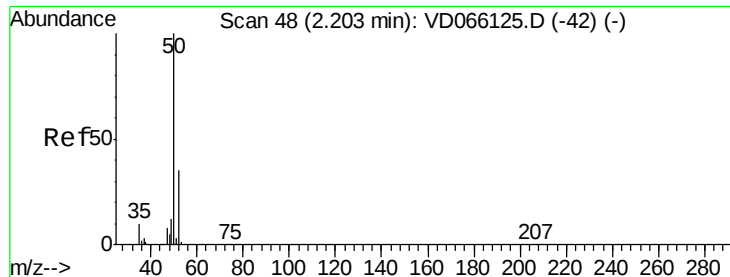
87 0.0 16.3 48.8#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#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 :

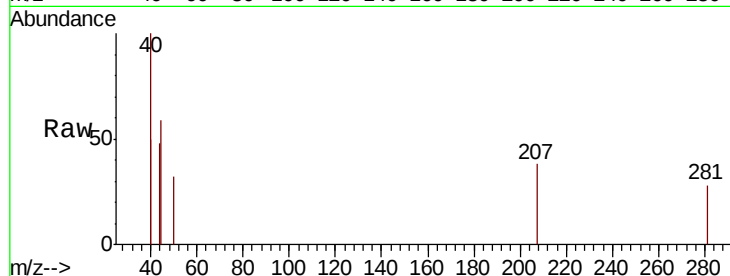
CHRT-27137RE

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

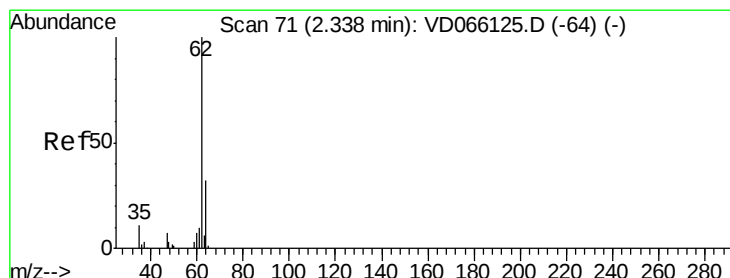
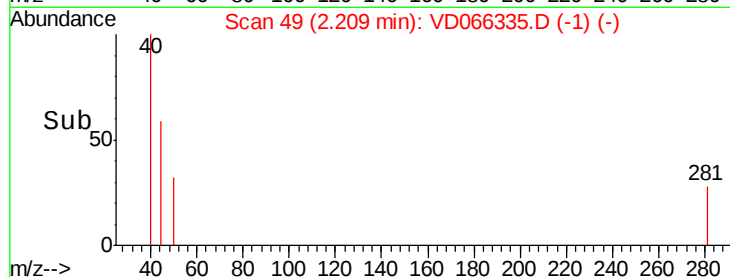
150

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

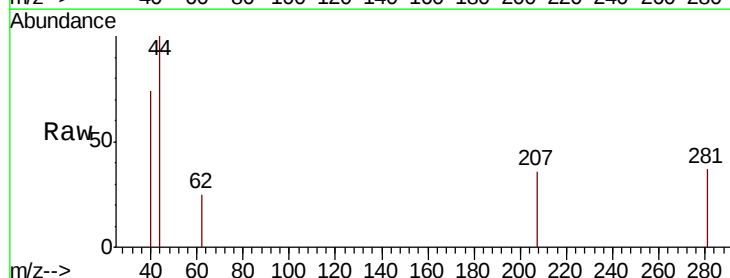
Acq: 20 Aug 2020 00:58

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

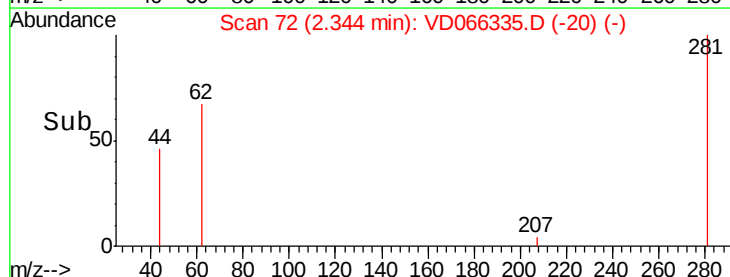
150

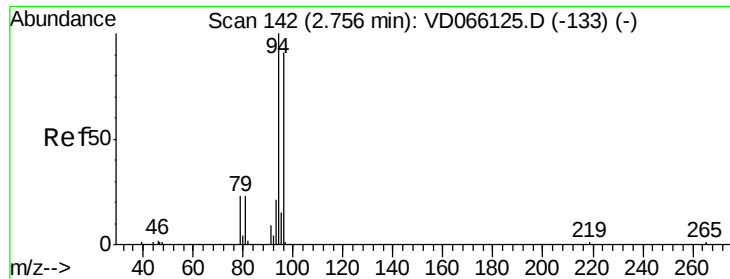
100

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 :

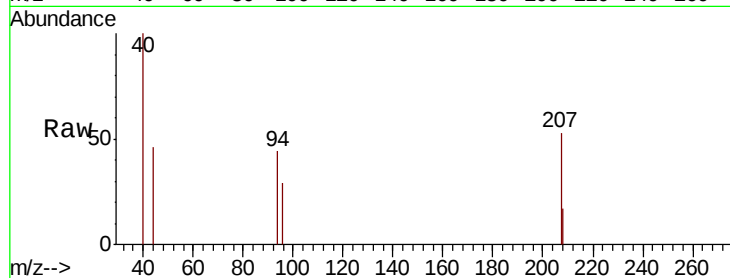
CHRT-27137RE

Tot Ion: 94 Resp: 540

Ion Ratio Lower Upper

94 100

96 65.3 72.6 109.0#

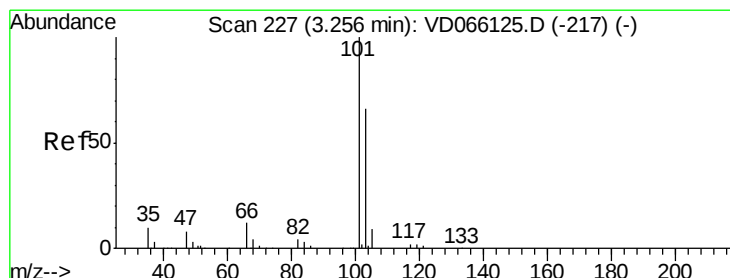
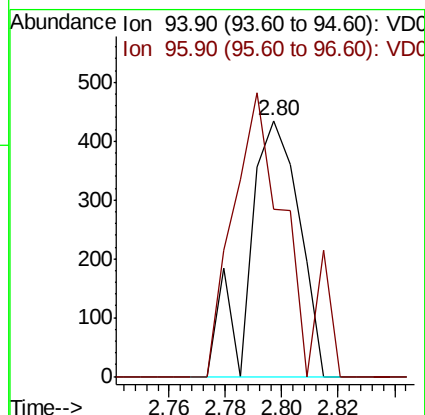
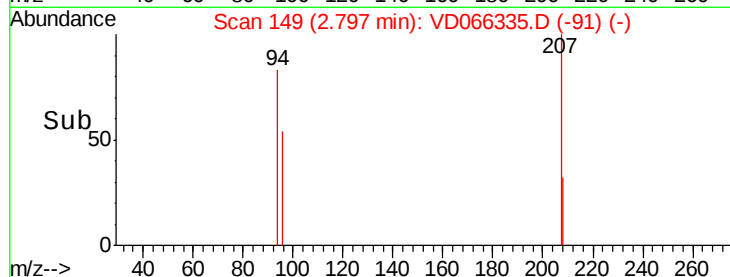


Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.80

2.82



#7

Trichlorofluoromethane

Concen: 5.143 ug/l

RT: 3.29 min Scan# 233

Delta R.T. 0.04 min

Lab File: VD066335.D

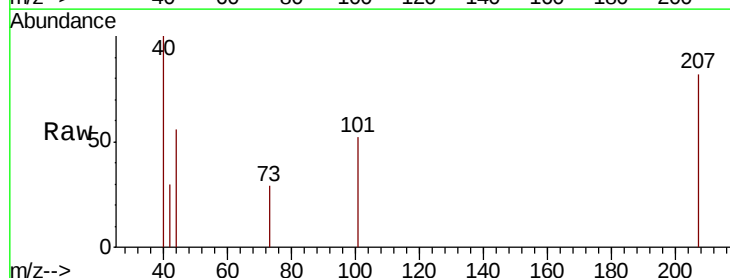
Acq: 20 Aug 2020 00:58

Tgt Ion: 101 Resp: 229

Ion Ratio Lower Upper

101 100

103 0.0 53.0 79.6#

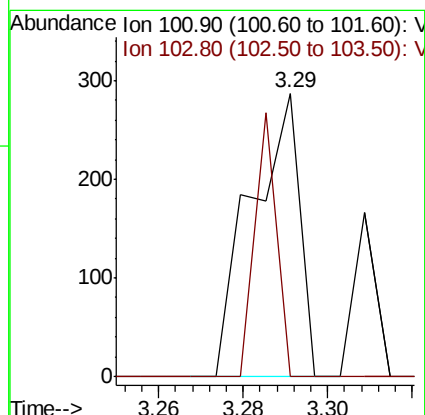
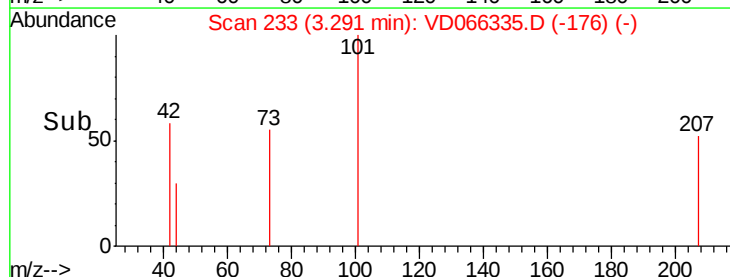


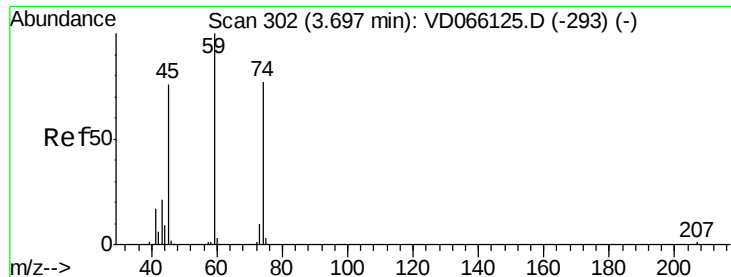
Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

3.29

3.30





#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 :

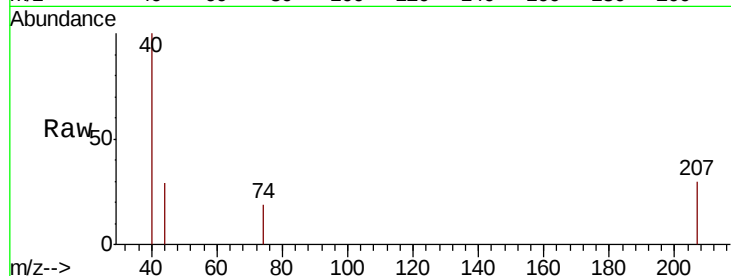
CHRT-27137RE

Tot Ion: 74 Resp: 57

Ion Ratio Lower Upper

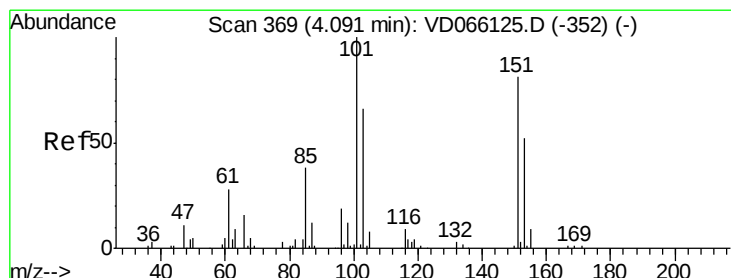
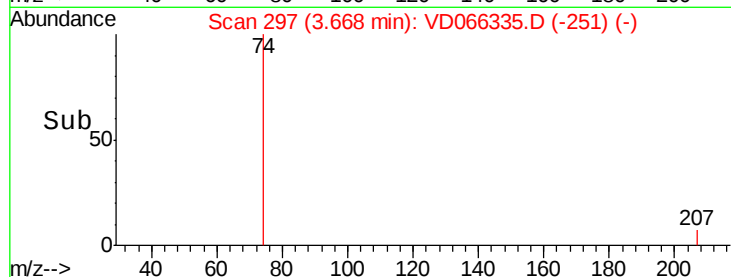
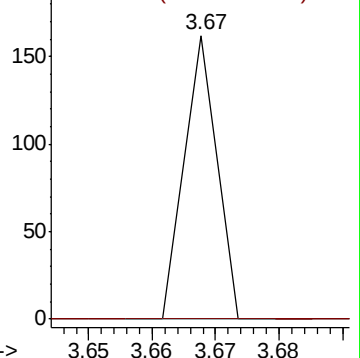
74 100

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

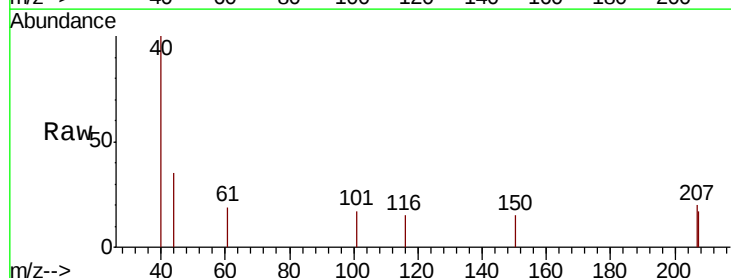
Tgt Ion: 101 Resp: 65

Ion Ratio Lower Upper

101 100

85 0.0 33.5 50.3#

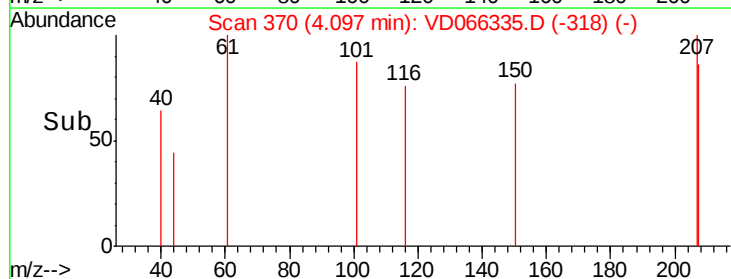
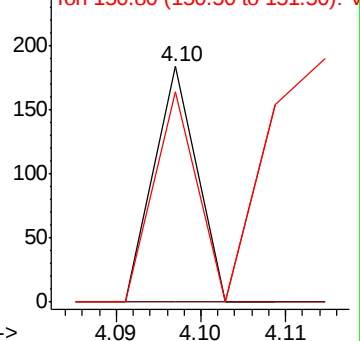
151 0.0 67.8 101.8#

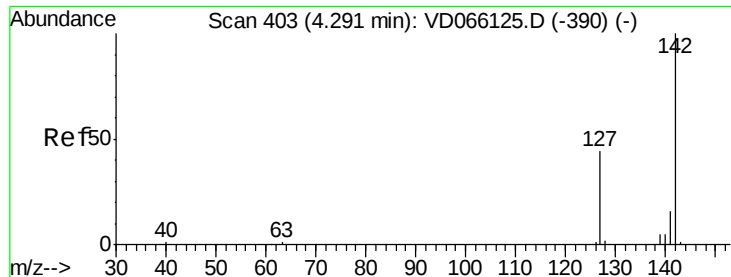


Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VDC

Ion 150.80 (150.50 to 151.50): V

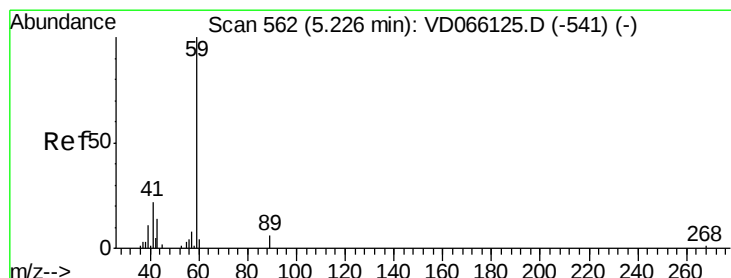
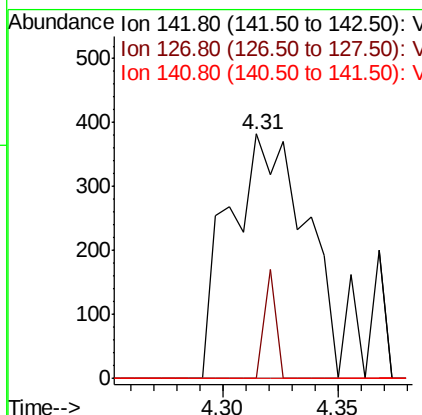
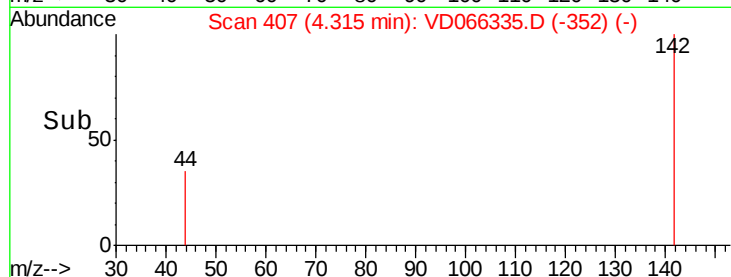
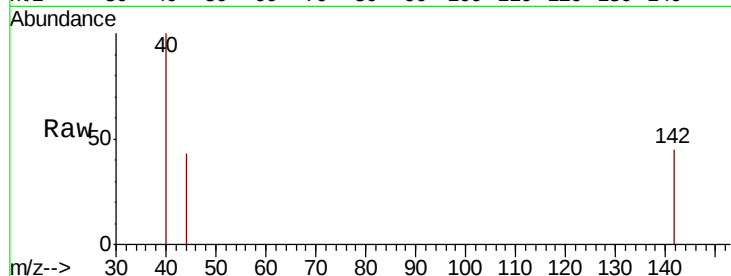




#10
Methyl Iodide
Concen: 38.414 ug/l
RT: 4.31 min Scan# 407
Delta R.T. 0.02 min
Lab File: VD066335.D
Acq: 20 Aug 2020 00:58

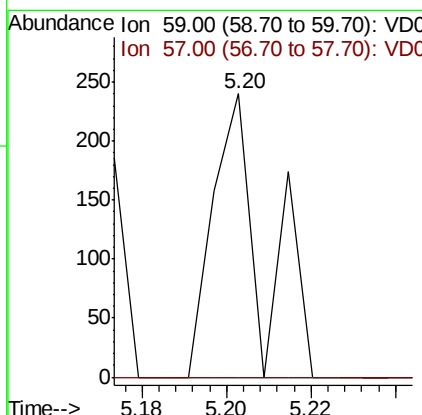
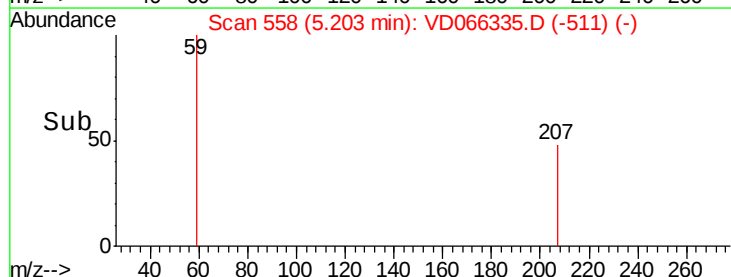
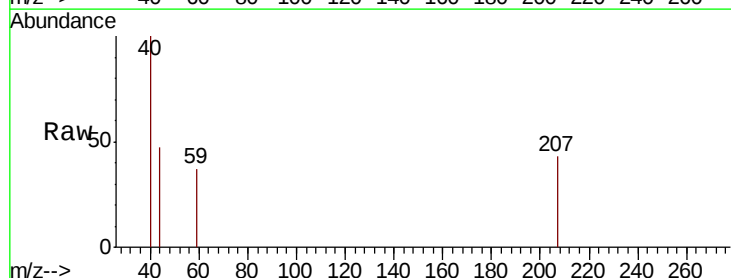
Instrument :
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ClientSampleId :
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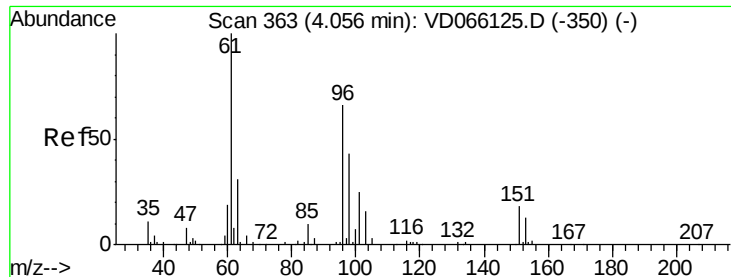
Tot Ion:142 Resp: 881
Ion Ratio Lower Upper
142 100
127 6.8 36.2 54.4#
141 0.0 12.6 18.8#



#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

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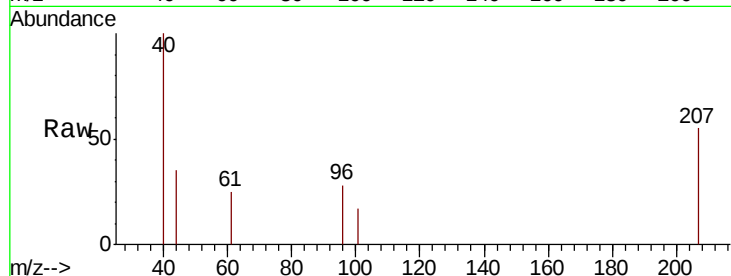
Tot Ion: 96 Resp: 229

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

4.07

4.06 4.08 4.10

4.12

4.14

4.16

4.18

4.20

4.22

4.24

4.26

4.28

4.30

4.32

4.34

4.36

4.38

4.40

4.42

4.44

4.46

4.48

4.50

4.52

4.54

4.56

4.58

4.60

4.62

4.64

4.66

4.68

4.70

4.72

4.74

4.76

4.78

4.80

4.82

4.84

4.86

4.88

4.90

4.92

4.94

4.96

4.98

5.00

5.02

5.04

5.06

5.08

5.10

5.12

5.14

5.16

5.18

5.20

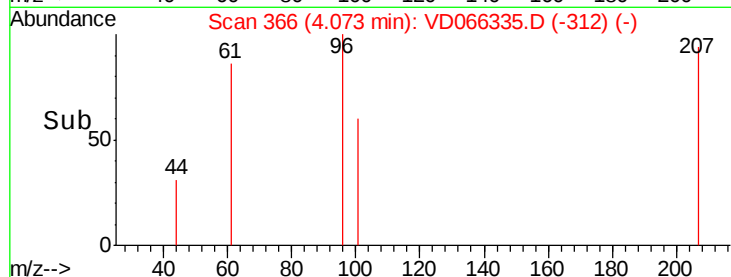
5.22

5.24

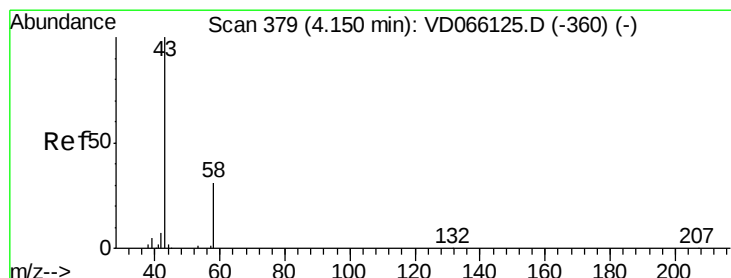
5.26

5.28

5.30



Time-->



#16

Acetone

Concen: 52.673 ug/l

RT: 4.15 min Scan# 379

Delta R.T. 0.00 min

Lab File: VD066335.D

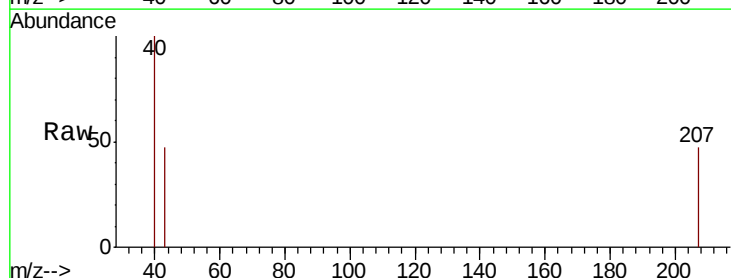
Acq: 20 Aug 2020 00:58

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

4.15

4.12 4.14 4.16

4.18

4.20

4.22

4.24

4.26

4.28

4.30

4.32

4.34

4.36

4.38

4.40

4.42

4.44

4.46

4.48

4.50

4.52

4.54

4.56

4.58

4.60

4.62

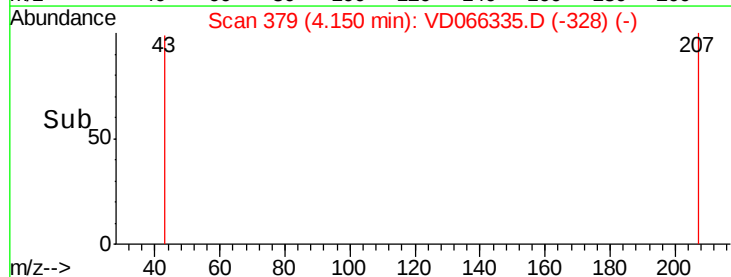
4.64

4.66

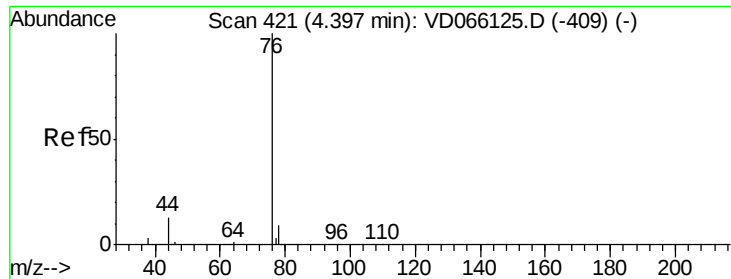
4.68

4.70

4.72



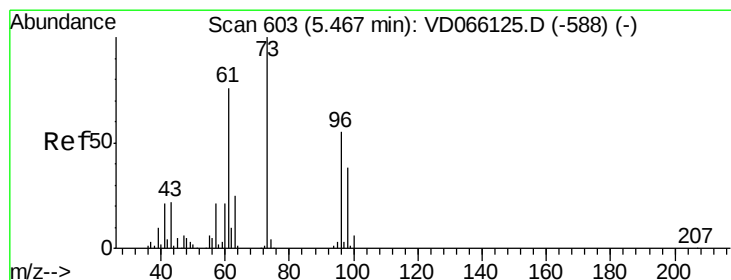
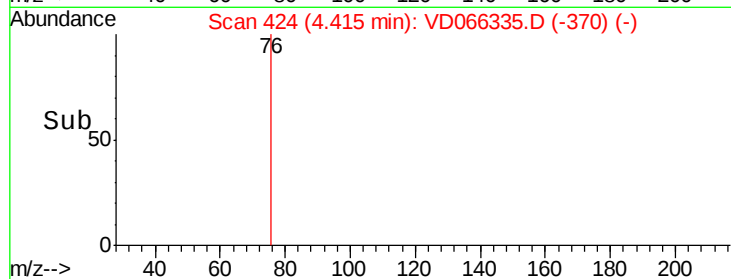
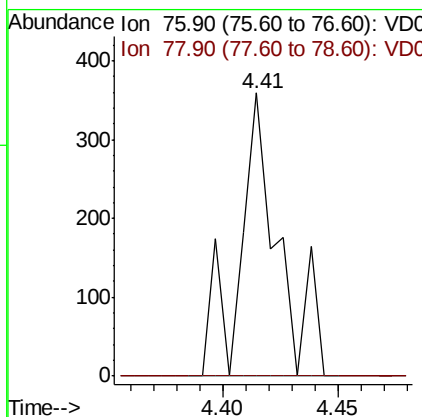
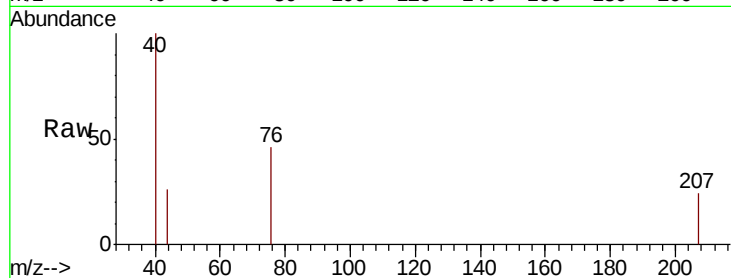
Time-->



#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

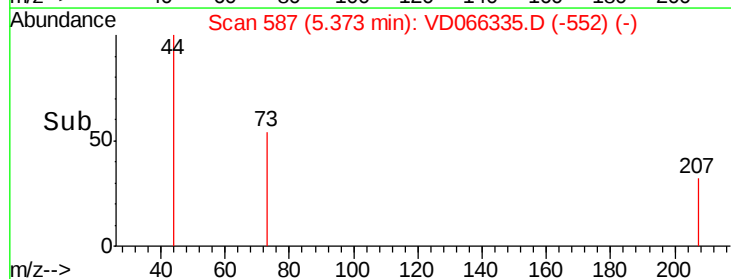
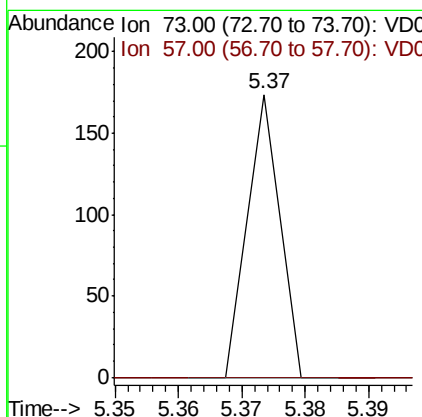
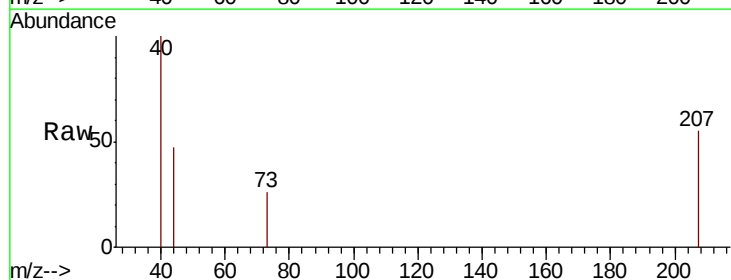
Instrument :
MSVOA_D
ClientSampleId :
CHRT-27137RE

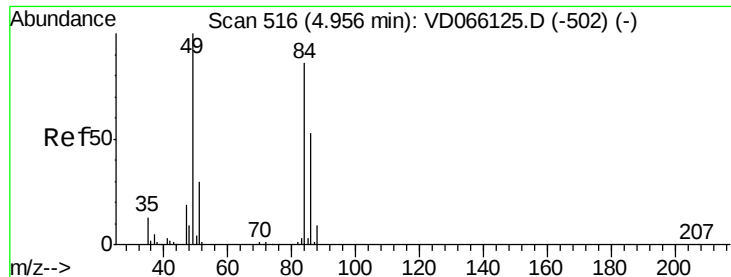
Tot Ion: 76 Resp: 430
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#



#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#

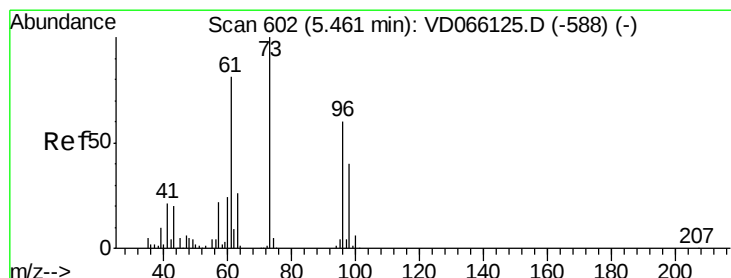
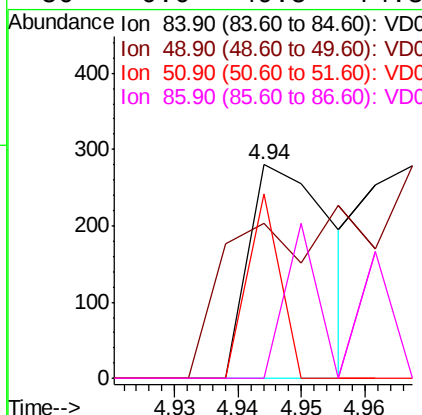
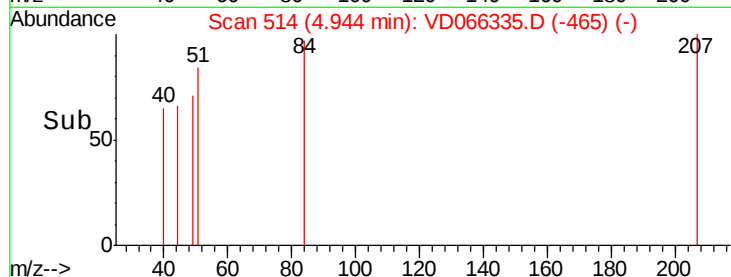
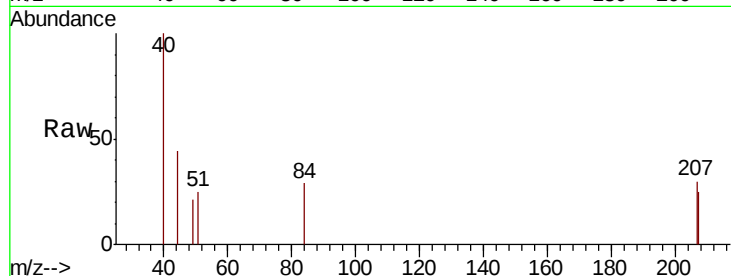




#20
Methvlene Chloride
Concen: 5.253 ug/l
RT: 4.94 min Scan# 514
Delta R.T. -0.01 min
Lab File: VD066335.D
Acq: 20 Aug 2020 00:58

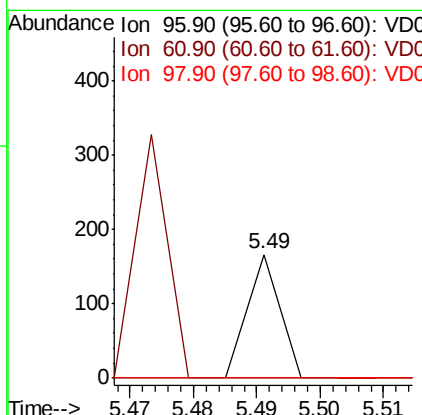
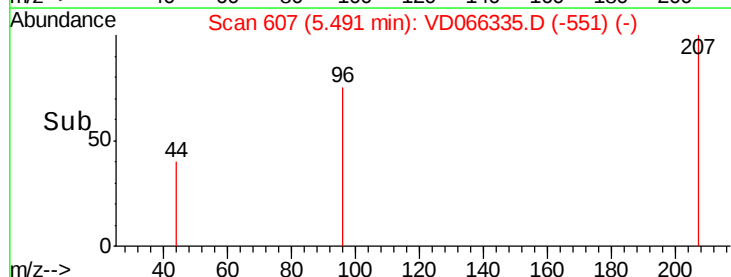
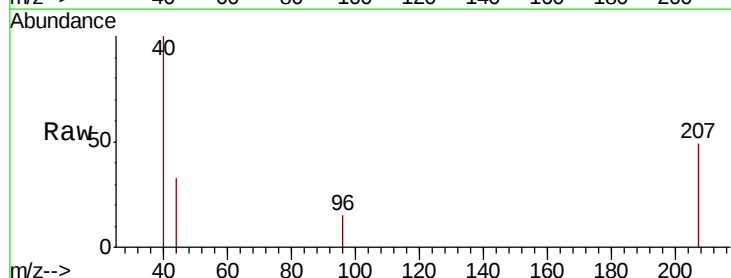
Instrument :
MSVOA_D
ClientSampleId :
CHRT-27137RE

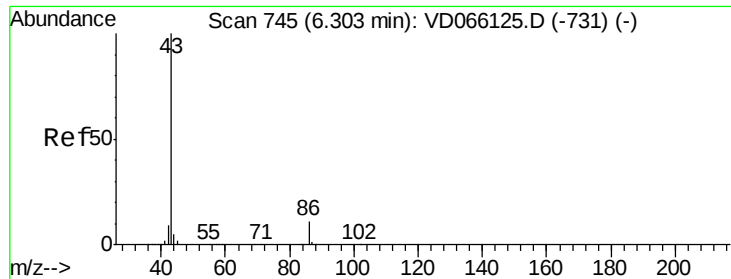
Tot Ion: 84 Resp: 258
Ion Ratio Lower Upper
84 100
49 72.9 93.5 140.3#
51 86.4 28.2 42.4#
86 0.0 49.5 74.3#



#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#





#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 :

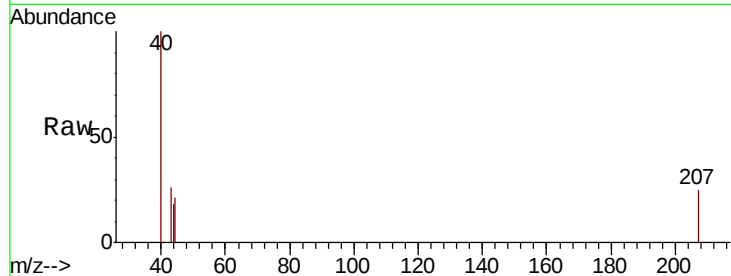
CHRT-27137RE

Tot Ion: 43 Resp: 99

Ion Ratio Lower Upper

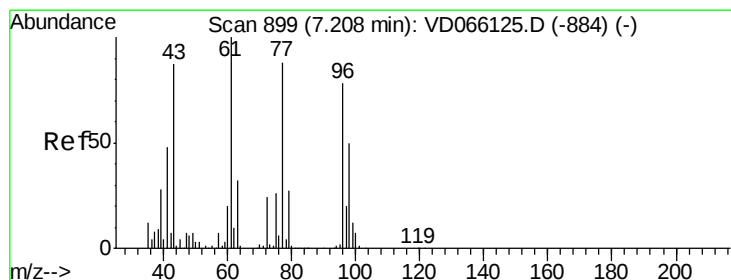
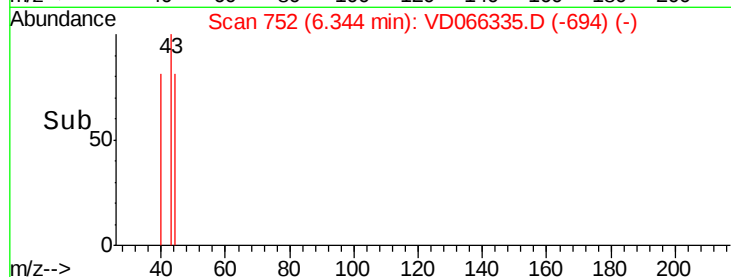
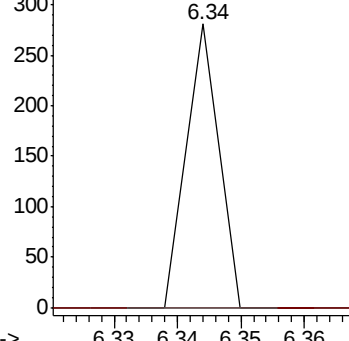
43 100

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



#25

2-Butanone

Concen: 7.847 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD066335.D

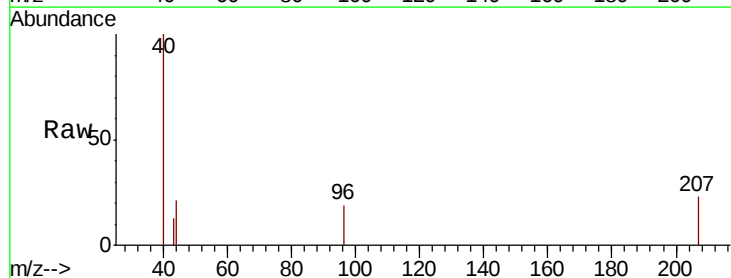
Acq: 20 Aug 2020 00:58

Tgt Ion: 43 Resp: 55

Ion Ratio Lower Upper

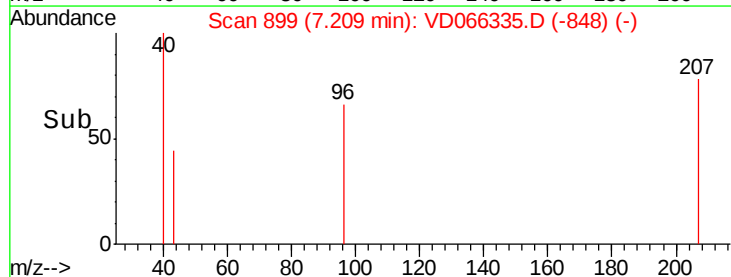
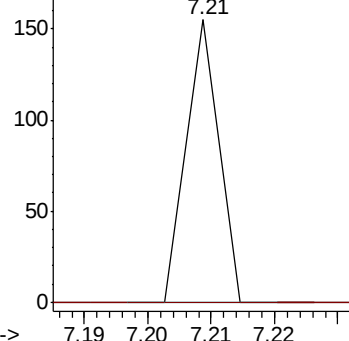
43 100

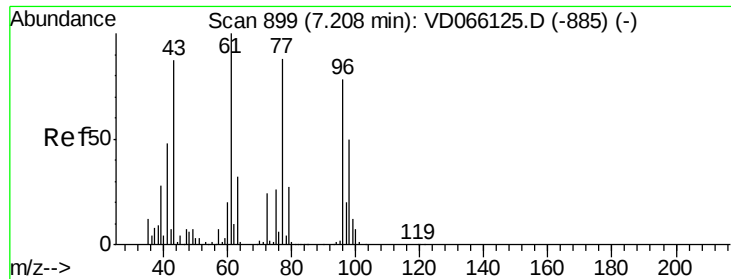
72 0.0 22.2 33.2#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



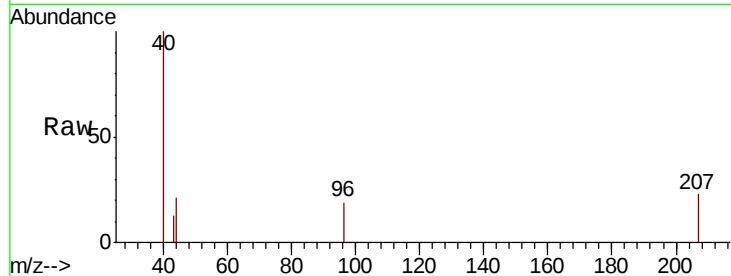


#27

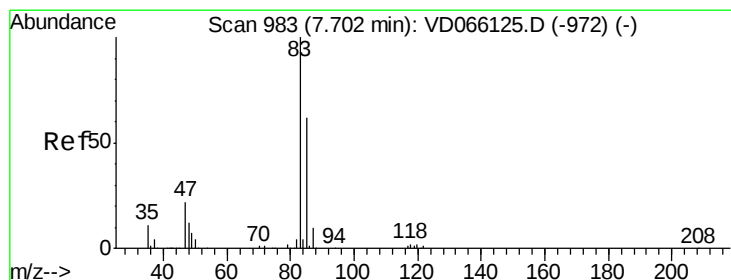
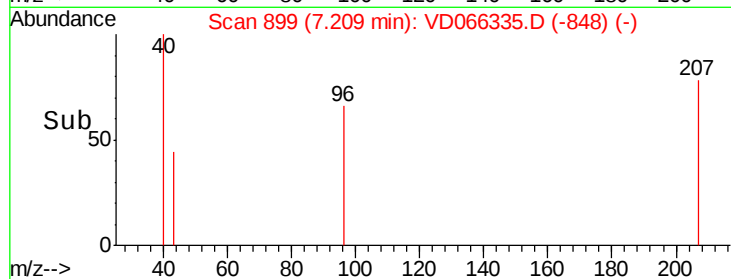
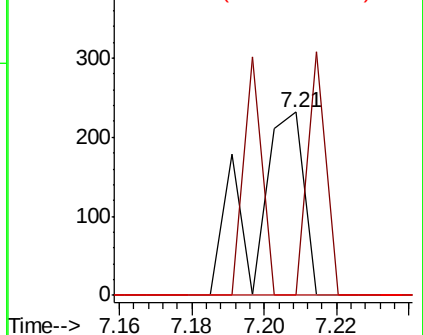
cis-1,2-Dichloroethene
 Concen: 7.324 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VD066335.D
 Acq: 20 Aug 2020 00:58

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



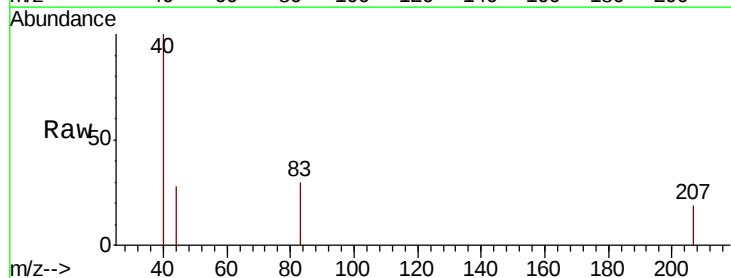
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.90 (60.60 to 61.60): VDC
 Ion 97.90 (97.60 to 98.60): VDC



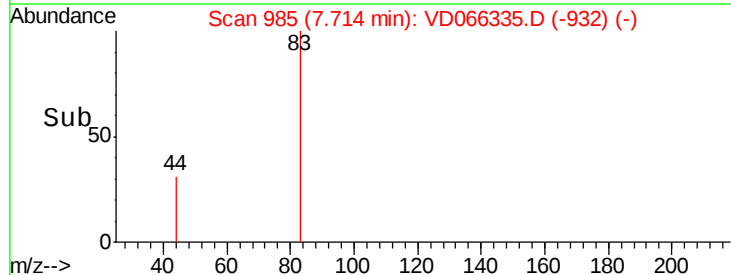
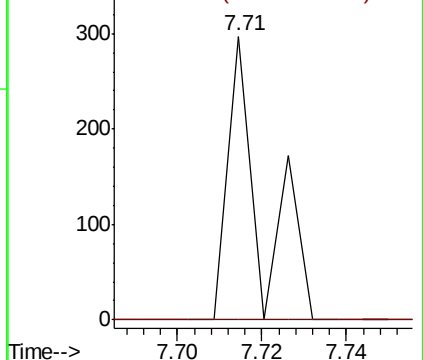
#30

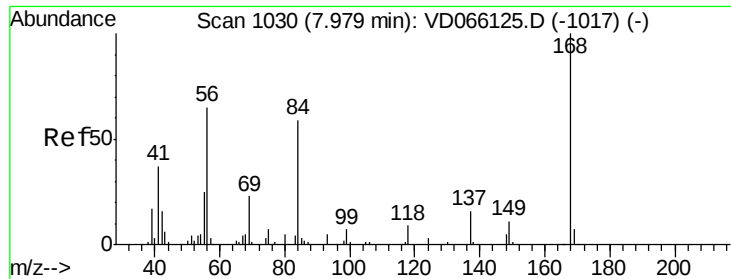
Chloroform
 Concen: 3.420 ug/l
 RT: 7.71 min Scan# 985
 Delta R.T. 0.01 min
 Lab File: VD066335.D
 Acq: 20 Aug 2020 00:58

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

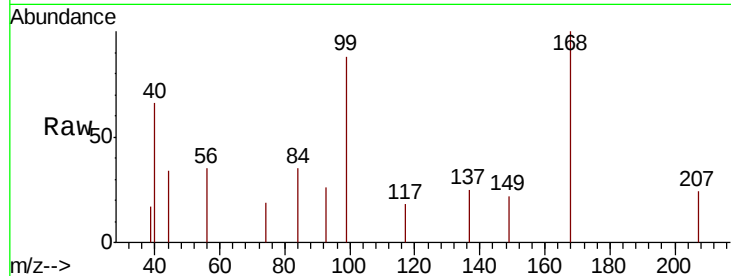
Tot Ion: 56 Resp: 321

Ion Ratio Lower Upper

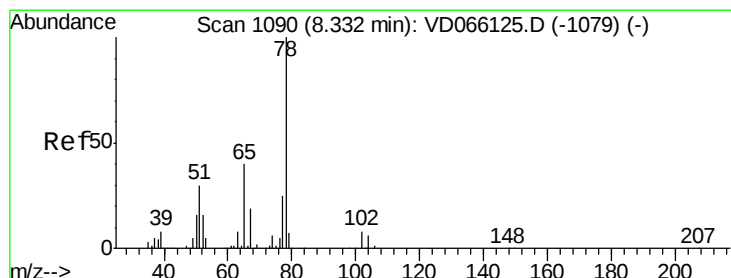
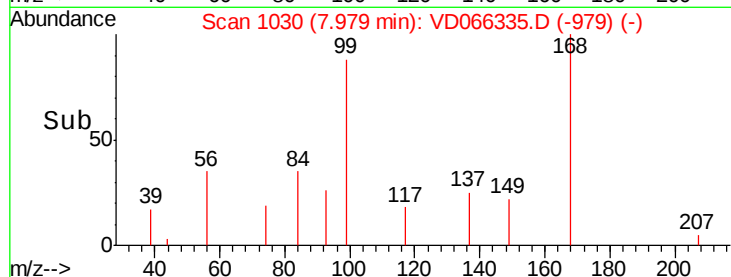
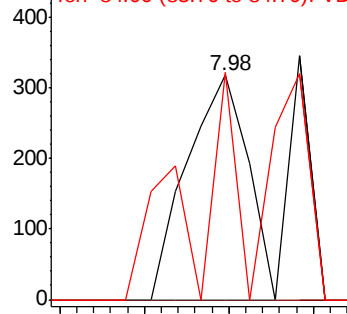
56 100

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

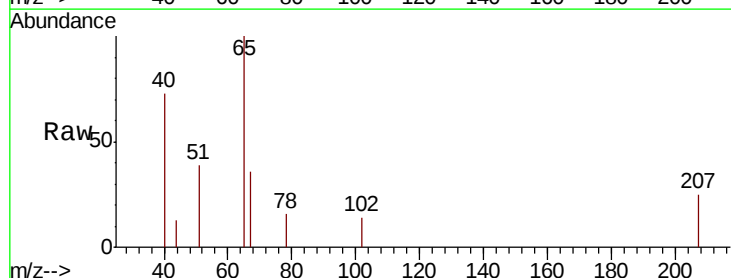
Acq: 20 Aug 2020 00:58

Tgt Ion: 65 Resp: 2539

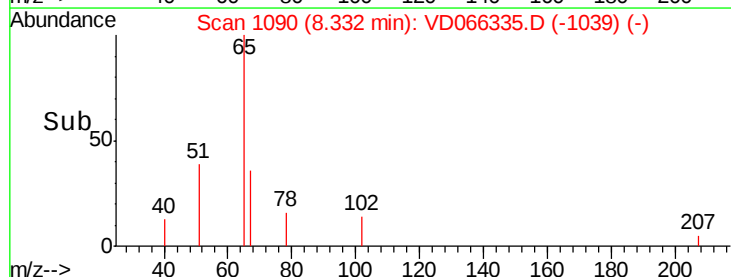
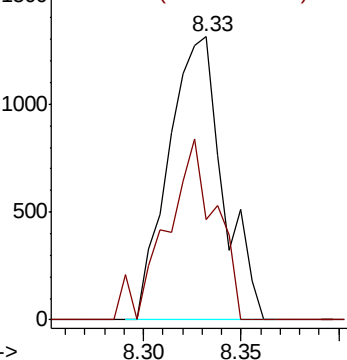
Ion Ratio Lower Upper

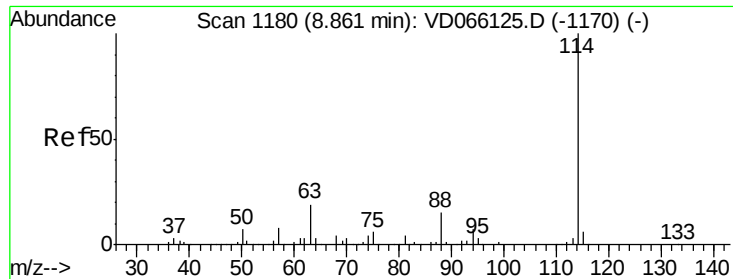
65 100

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

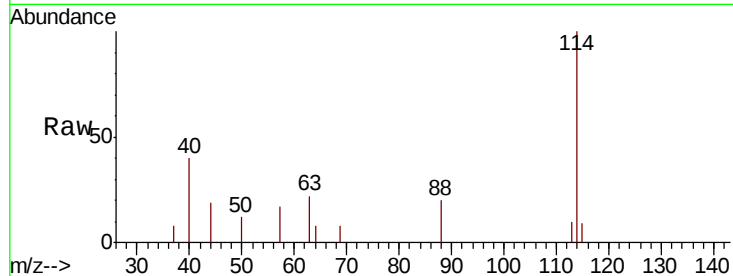




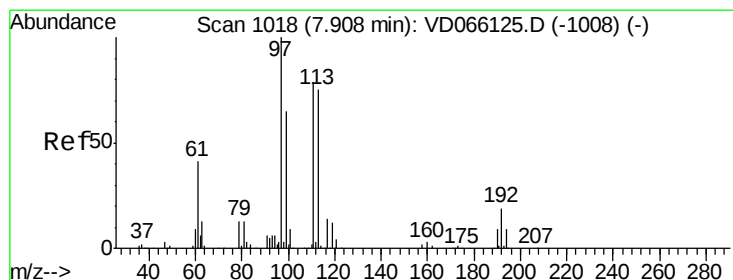
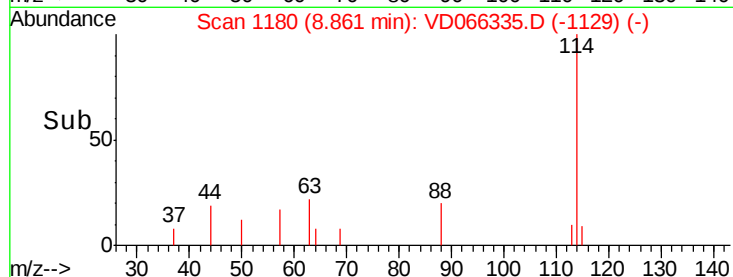
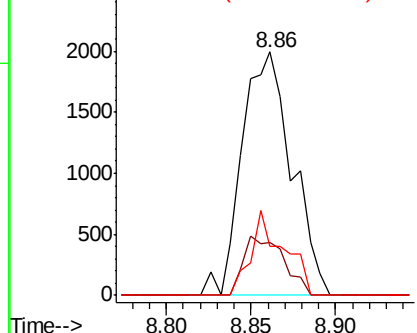
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066335.D
 Acq: 20 Aug 2020 00:58

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

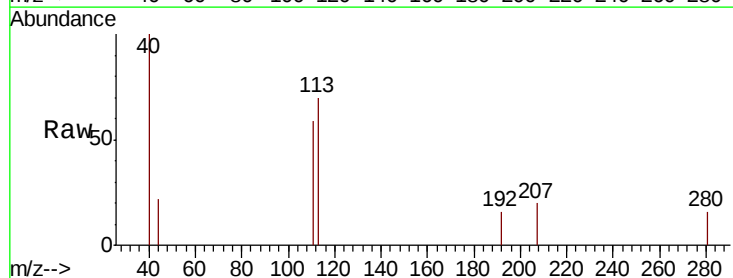


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

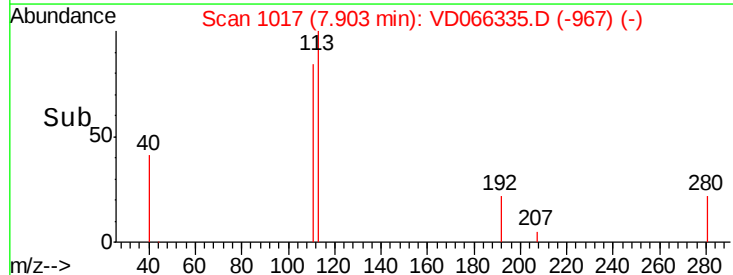
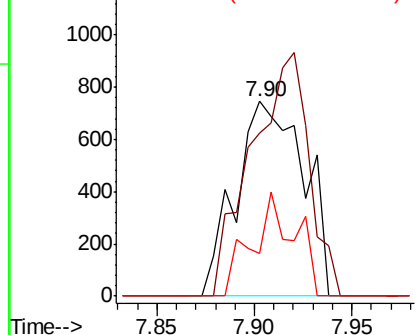


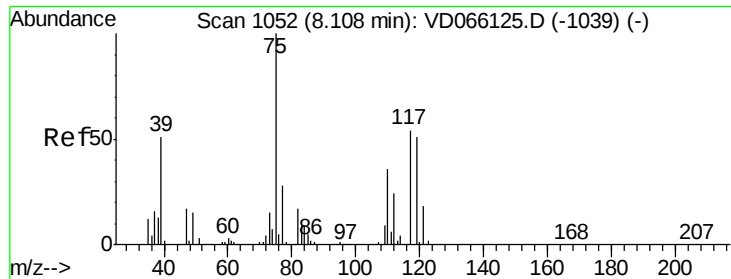
#35
 Dibromofluoromethane
 Concen: 69.766 ug/l
 RT: 7.90 min Scan# 1017
 Delta R.T. -0.01 min
 Lab File: VD066335.D
 Acq: 20 Aug 2020 00:58

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#



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

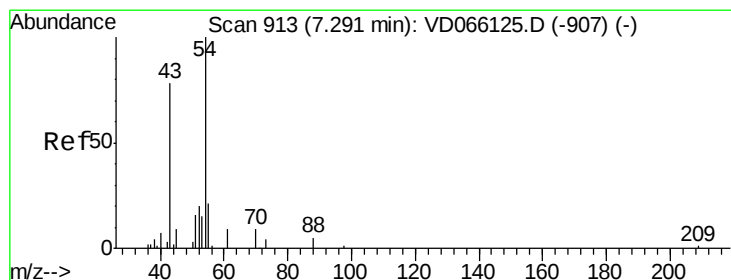
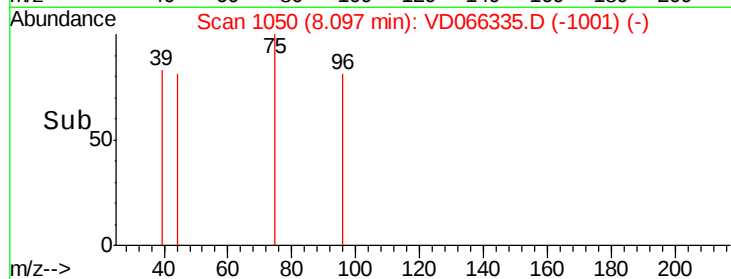
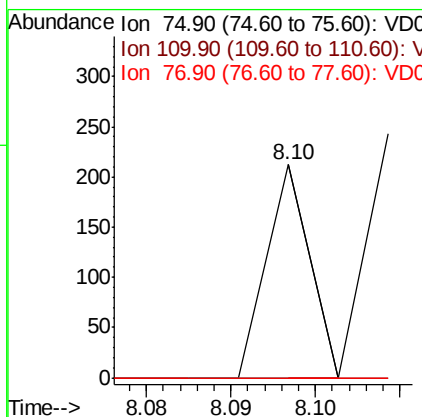
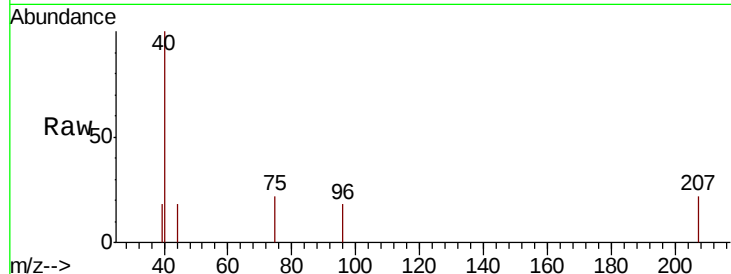




#36
 1,1-Dichloropropene
 Concen: 1.959 ug/l
 RT: 8.10 min Scan# 1050
 Delta R.T. -0.01 min
 Lab File: VD066335.D
 Acq: 20 Aug 2020 00:58

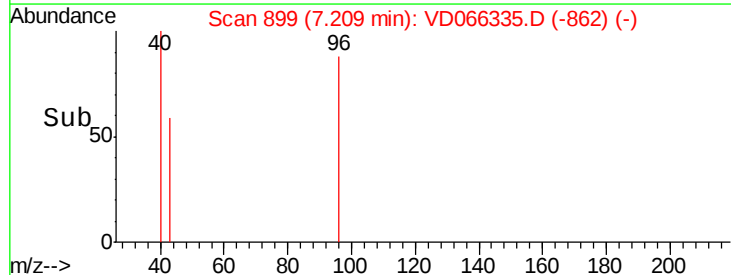
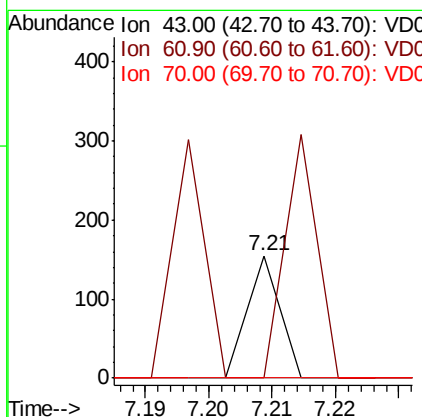
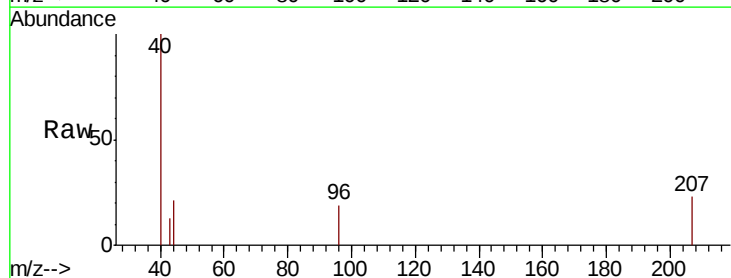
Instrument :
 MSVOA_D
 ClientSampleId :
 CHRT-27137RE

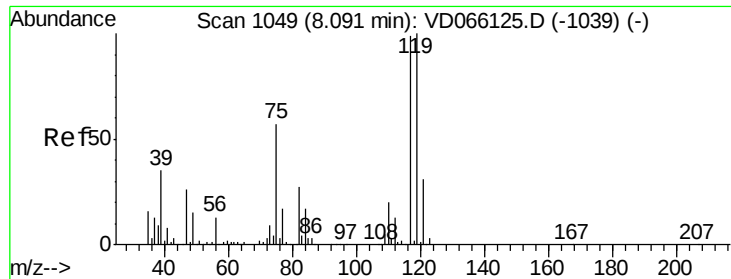
Tot Ion	Ratio	Lower	Upper
75	100		
110	0.0	18.8	56.3#
77	0.0	24.2	36.2#



#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	Ratio	Lower	Upper
43	100		
61	198.2	12.0	18.0#
70	0.0	9.7	14.5#





#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

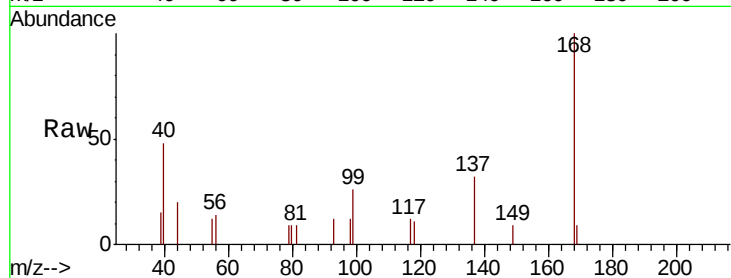
Tot Ion:117 Resp: 252

Ion Ratio Lower Upper

117 100

119 0.0 81.0 121.4#

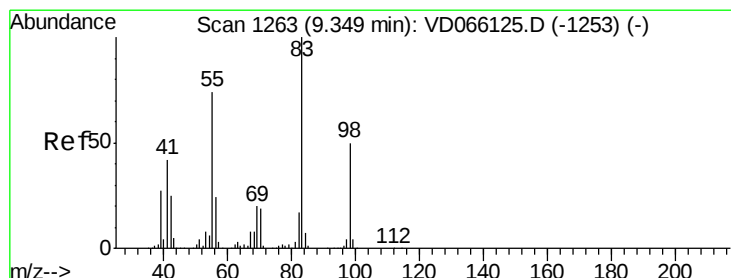
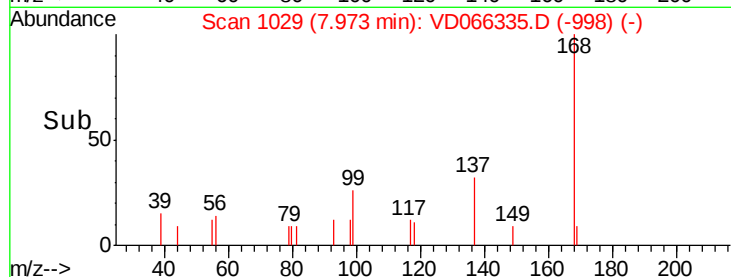
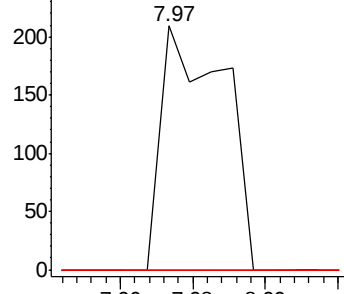
121 0.0 24.8 37.2#



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

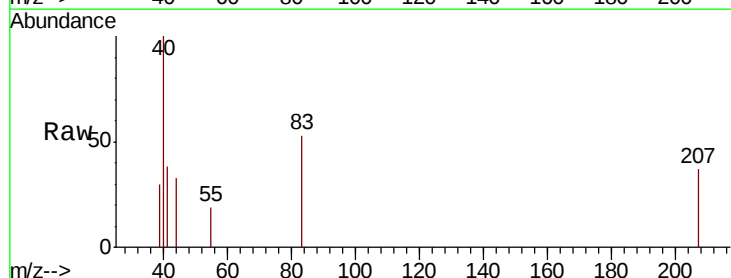
Tgt Ion: 83 Resp: 513

Ion Ratio Lower Upper

83 100

55 36.5 59.2 88.8#

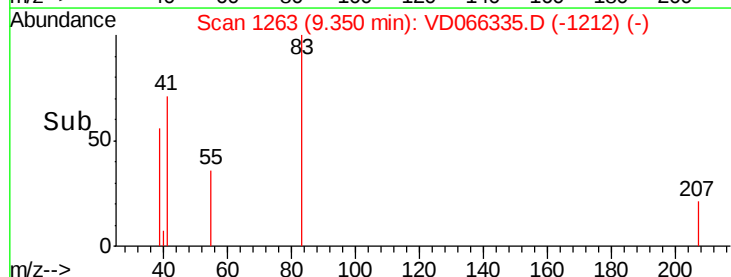
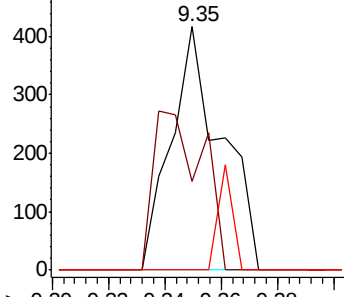
98 0.0 39.8 59.6#

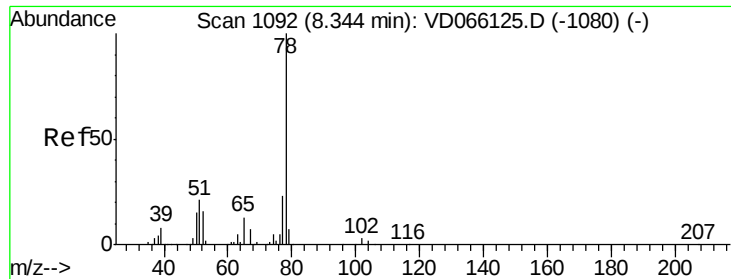


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 98.00 (97.70 to 98.70): V





#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 :

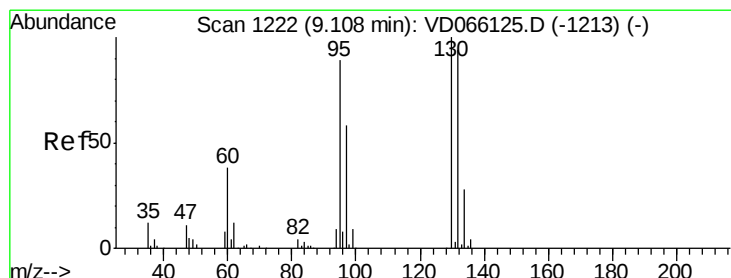
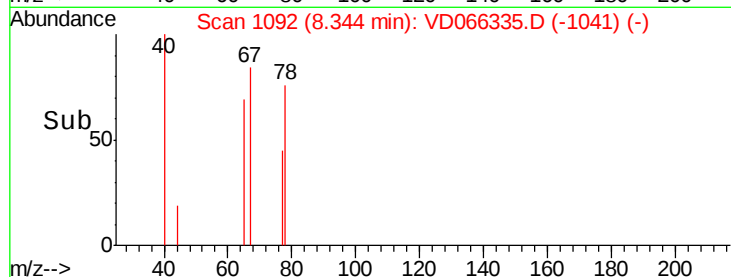
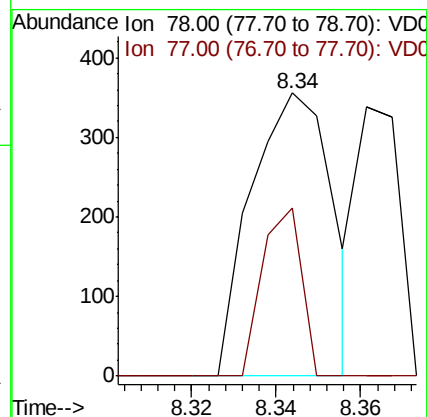
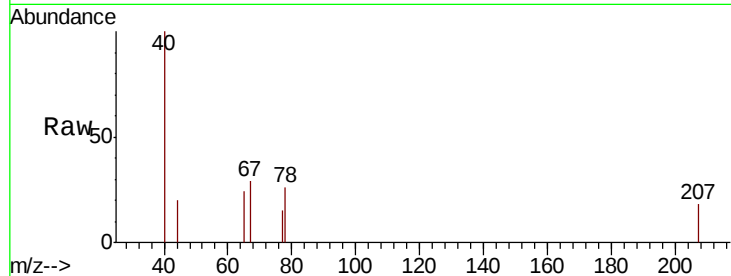
CHRT-27137RE

Tot Ion: 78 Resp: 474

Ion Ratio Lower Upper

78 100

77 59.6 18.6 27.8#



#44

Trichloroethene

Concen: 4.217 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.01 min

Lab File: VD066335.D

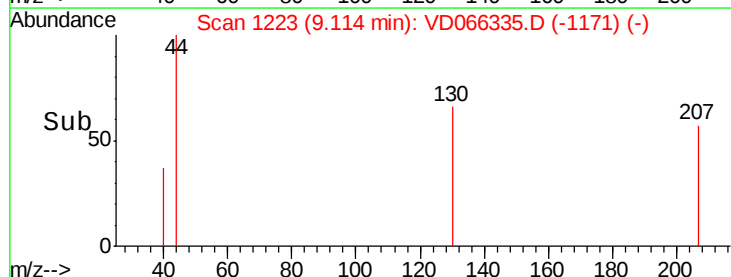
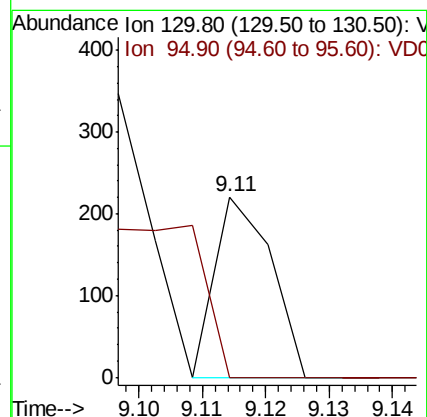
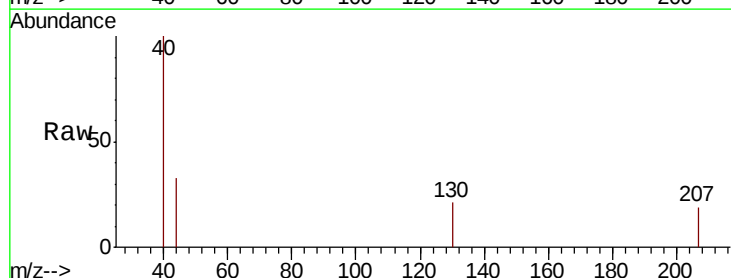
Acq: 20 Aug 2020 00:58

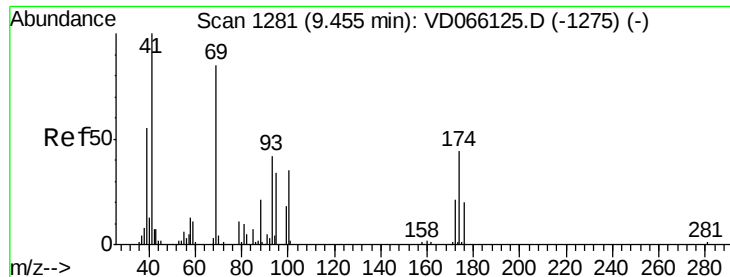
Tgt Ion: 130 Resp: 135

Ion Ratio Lower Upper

130 100

95 0.0 0.0 178.4

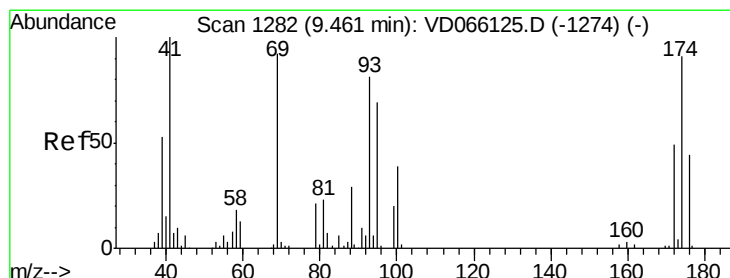
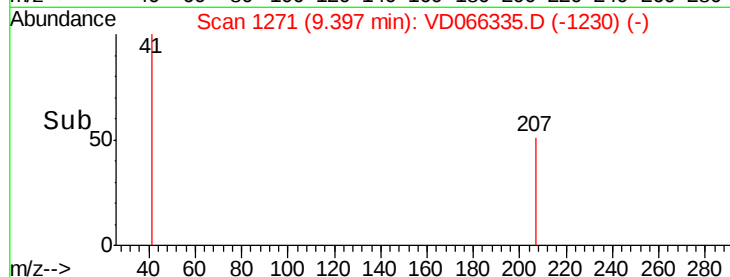
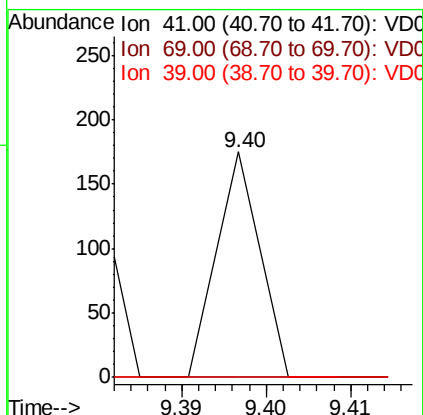
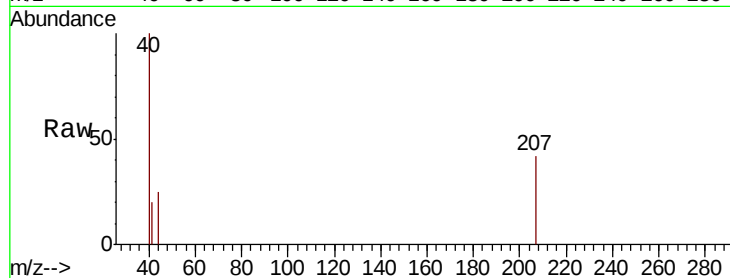




#48
Methyl methacrylate
Concen: 4.062 ug/l
RT: 9.40 min Scan# 1271
Delta R.T. -0.06 min
Lab File: VD066335.D
Acq: 20 Aug 2020 00:58

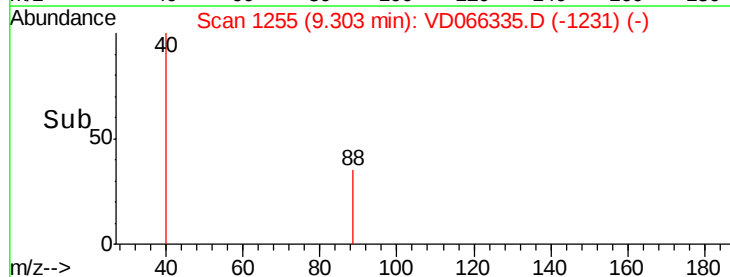
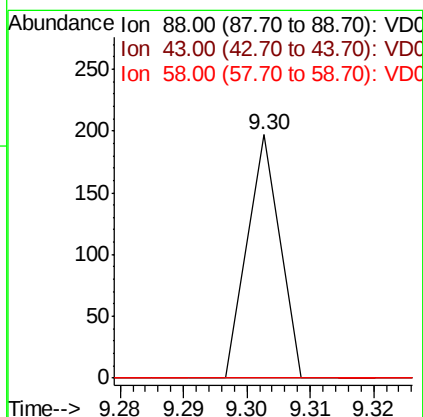
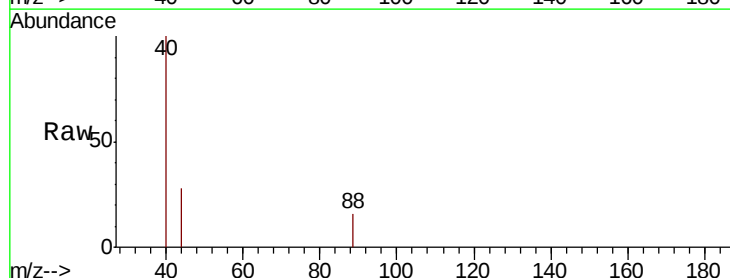
Instrument :
MSVOA_D
ClientSampleID :
CHRT-27137RE

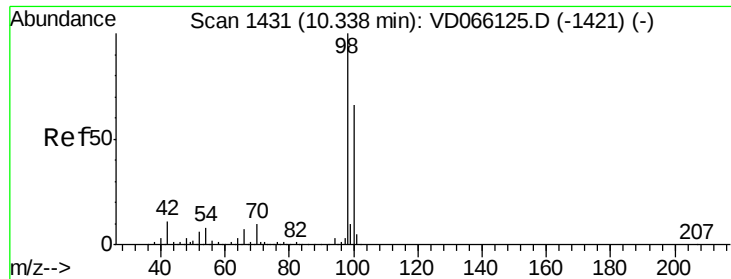
Tot Ion: 41 Resp: 62
Ion Ratio Lower Upper
41 100
69 0.0 63.9 95.9#
39 0.0 42.6 64.0#



#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 :

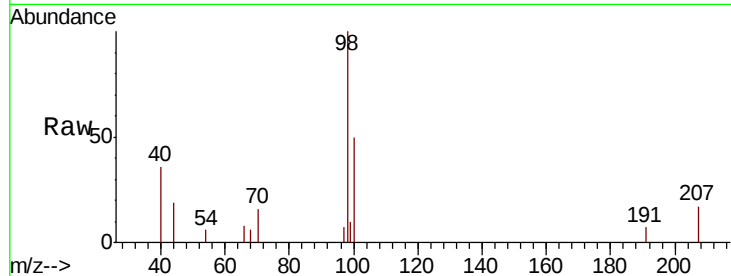
CHRT-27137RE

Tot Ion: 98 Resp: 4315

Ion Ratio Lower Upper

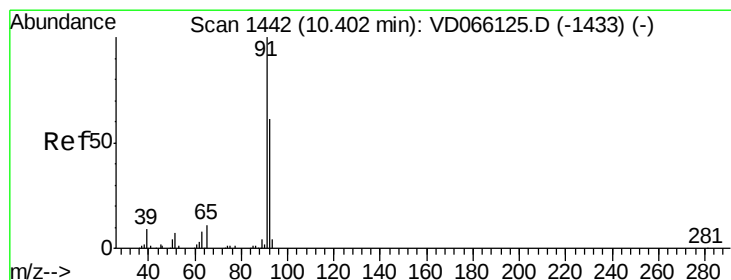
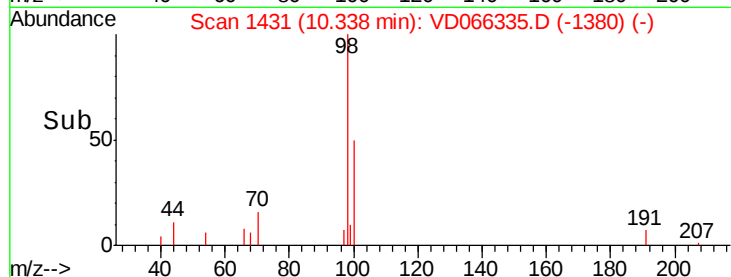
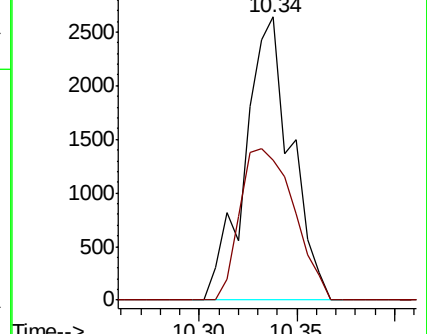
98 100

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



#52

Toluene

Concen: 7.854 ug/l

RT: 10.39 min Scan# 1440

Delta R.T. -0.01 min

Lab File: VD066335.D

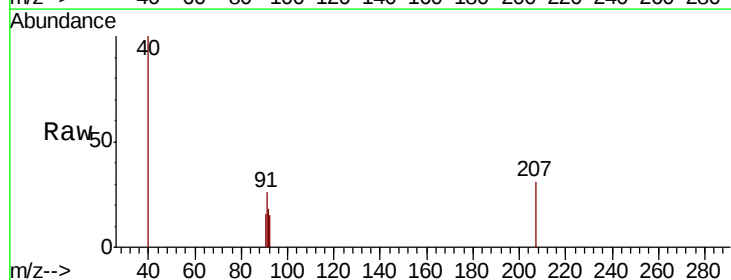
Acq: 20 Aug 2020 00:58

Tgt Ion: 92 Resp: 549

Ion Ratio Lower Upper

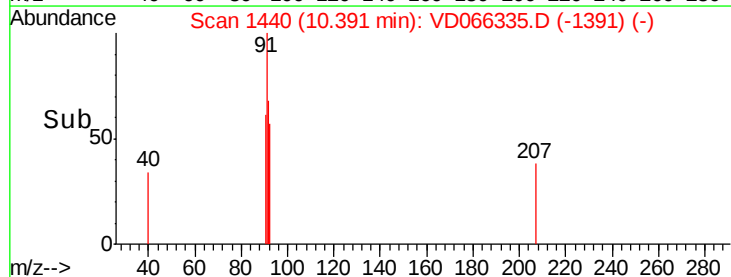
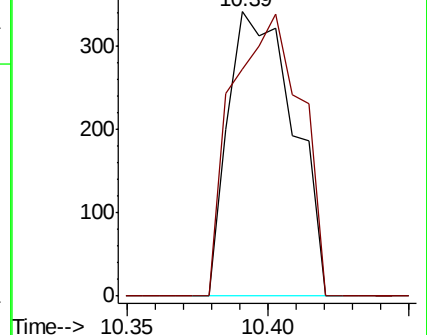
92 100

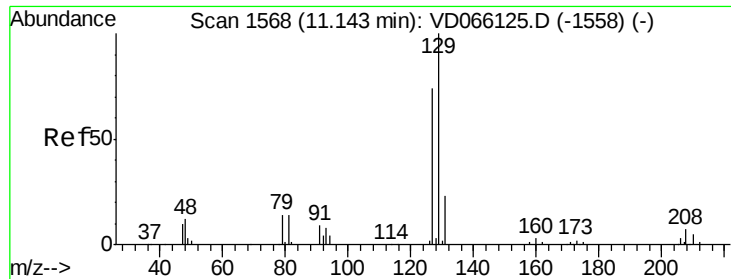
91 104.7 135.2 202.8#



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

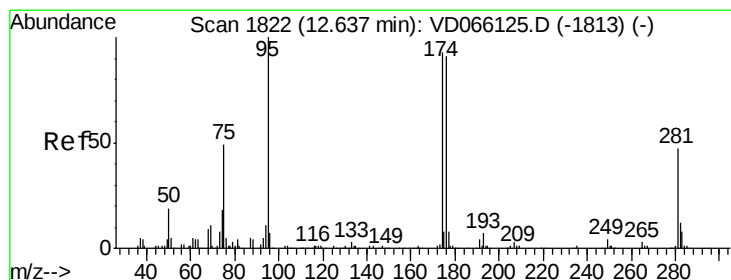
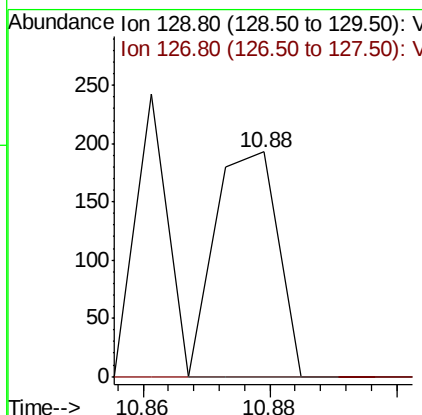
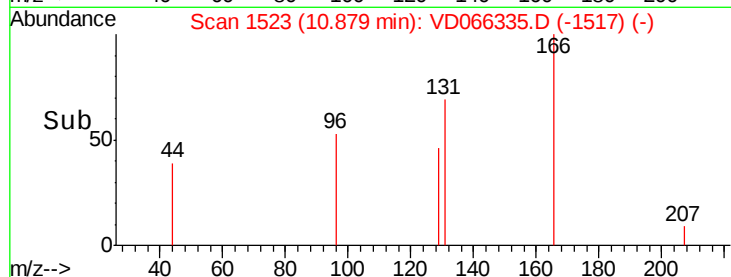
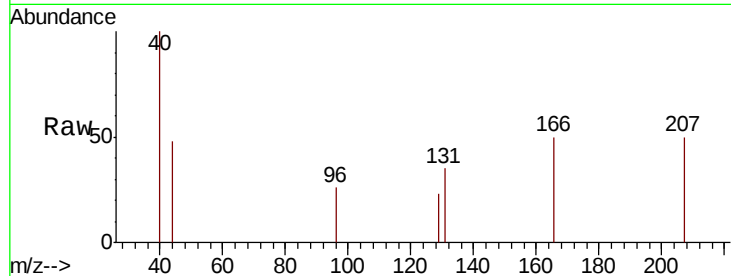




#60
 Dibromochloromethane
 Concen: 4.640 ug/l
 RT: 10.88 min Scan# 1523
 Delta R.T. -0.26 min
 Lab File: VD066335.D
 Acq: 20 Aug 2020 00:58

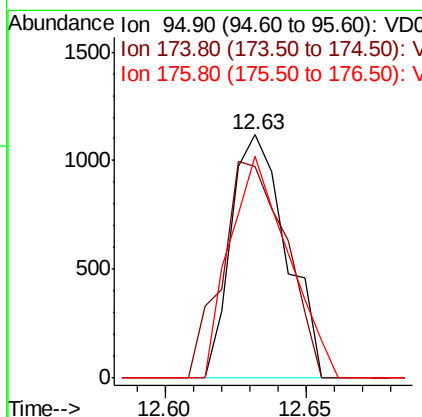
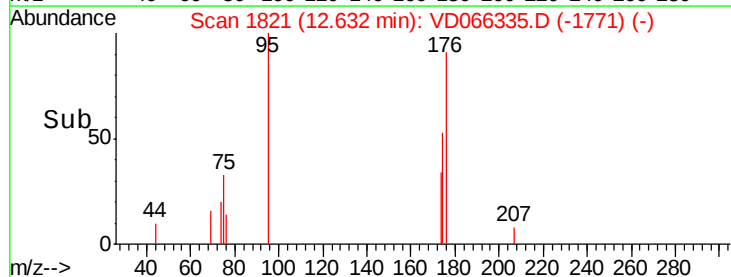
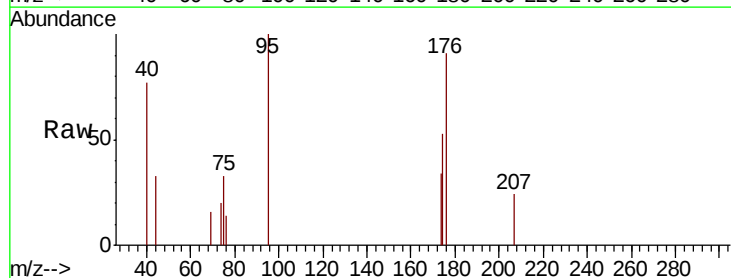
Instrument :
 MSVOA_D
 ClientSampleId :
 CHRT-27137RE

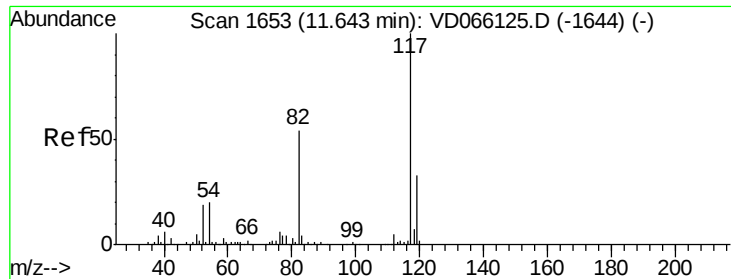
Tot Ion:129 Resp: 132
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.0 114.1#



#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

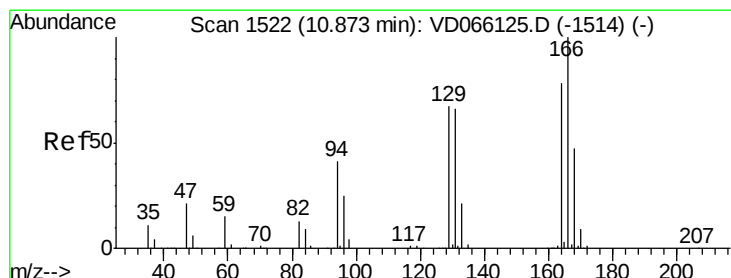
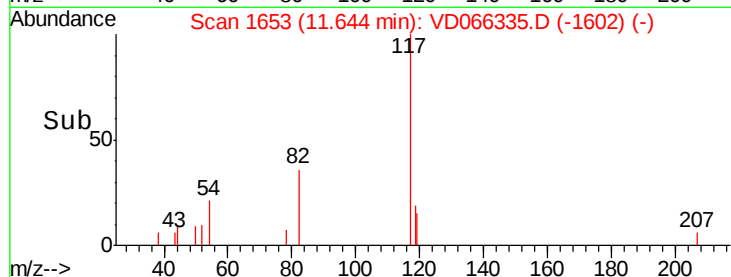
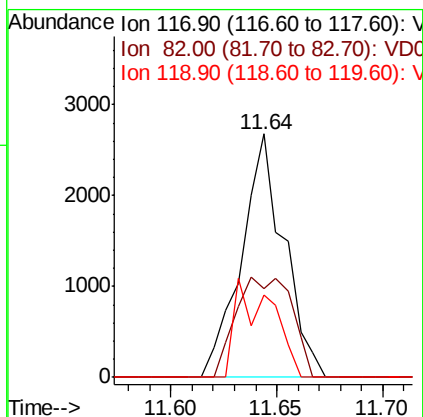
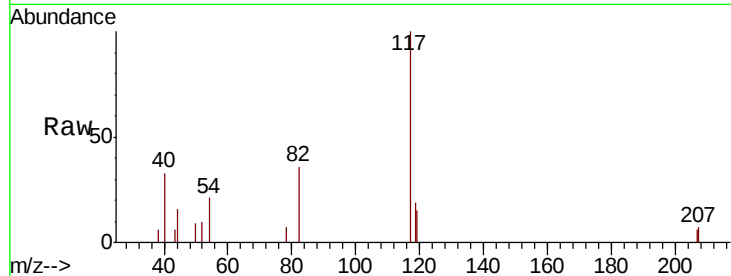




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066335.D
Acq: 20 Aug 2020 00:58

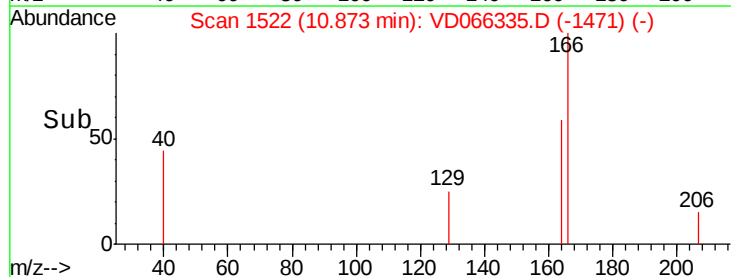
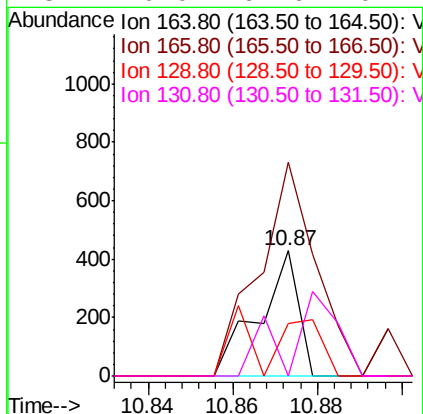
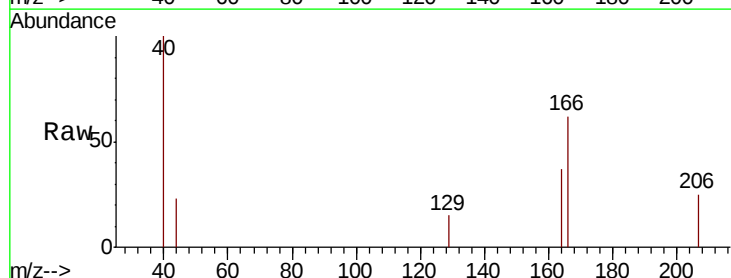
Instrument :
MSVOA_D
ClientSampleId :
CHRT-27137RE

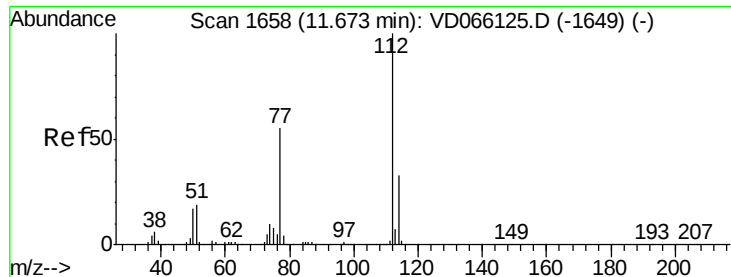
Tot Ion:117 Resp: 3761
Ion Ratio Lower Upper
117 100
82 36.4 43.0 64.4#
119 33.8 26.1 39.1



#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 :

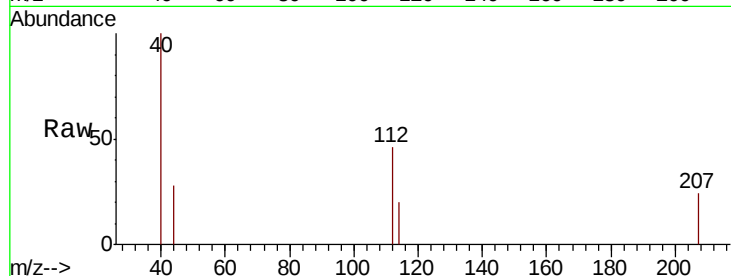
CHRT-27137RE

Tot Ion:112 Resp: 419

Ion Ratio Lower Upper

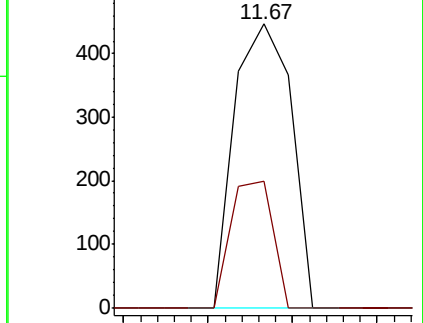
112 100

114 44.5 26.1 39.1#

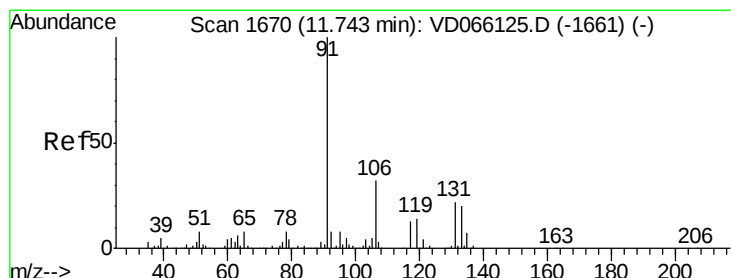
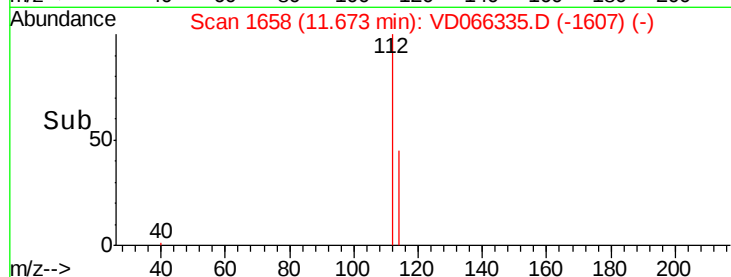


Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



Time--> 11.64 11.66 11.68 11.70



#67

Ethyl Benzene

Concen: 6.825 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.01 min

Lab File: VD066335.D

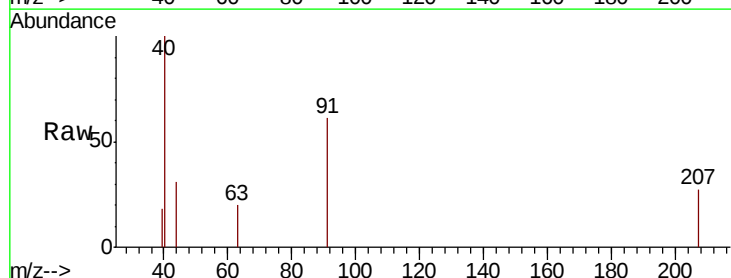
Acq: 20 Aug 2020 00:58

Tgt Ion: 91 Resp: 903

Ion Ratio Lower Upper

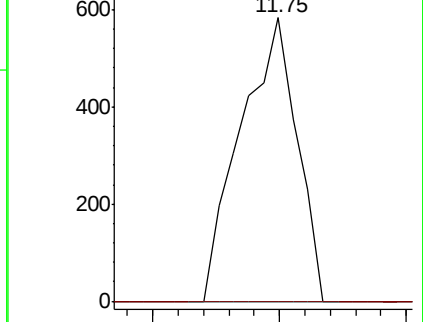
91 100

106 0.0 25.7 38.5#

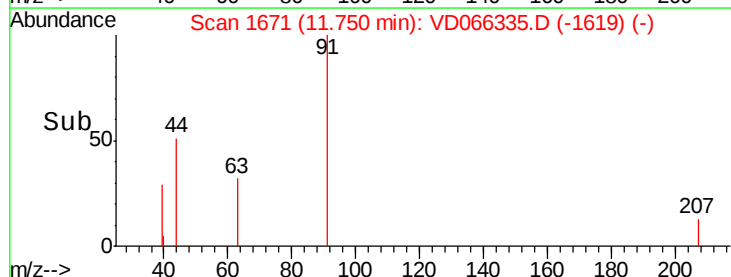


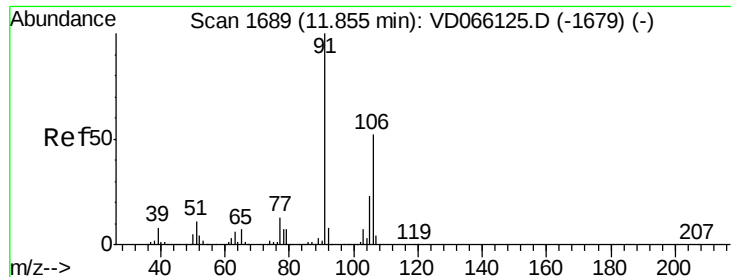
Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V



Time--> 11.70 11.75





#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 :

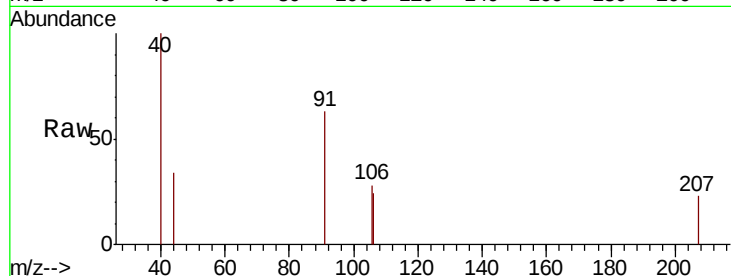
CHRT-27137RE

Tot Ion:106 Resp: 304

Ion Ratio Lower Upper

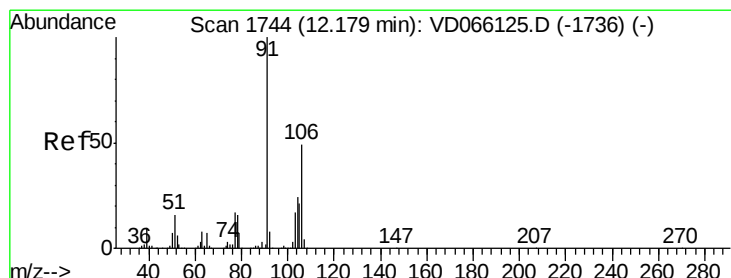
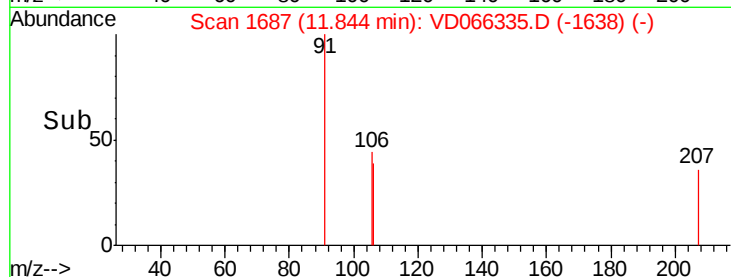
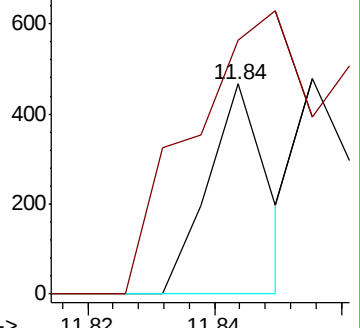
106 100

91 393.4 156.6 235.0#



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VDC



#69

o-Xylene

Concen: 3.624 ug/l

RT: 12.16 min Scan# 1741

Delta R.T. -0.02 min

Lab File: VD066335.D

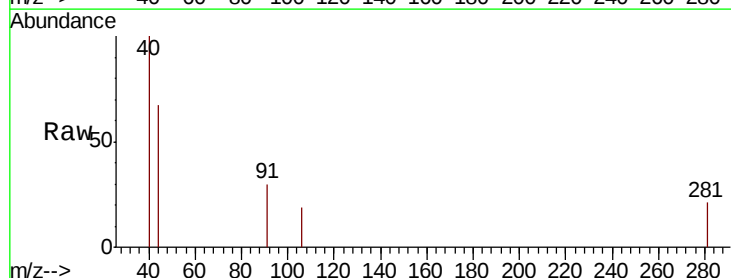
Acq: 20 Aug 2020 00:58

Tgt Ion:106 Resp: 169

Ion Ratio Lower Upper

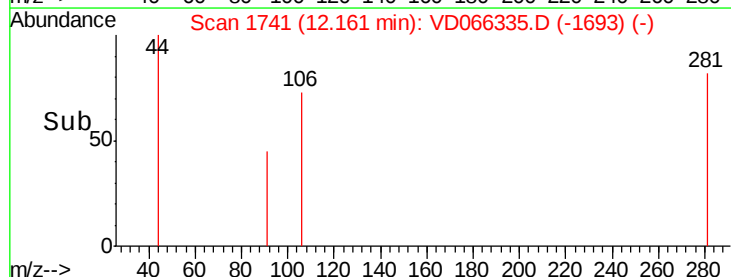
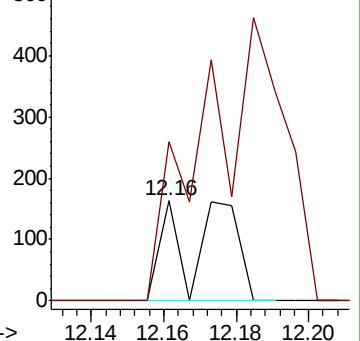
106 100

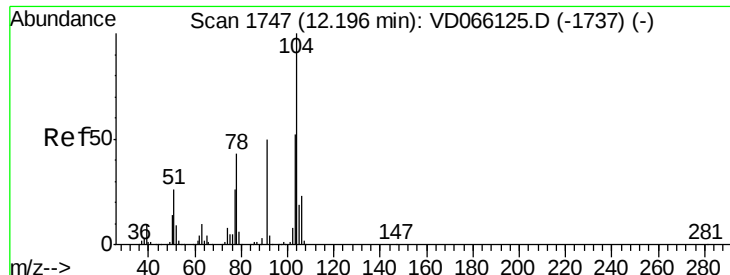
91 0.0 105.7 317.1#



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VDC

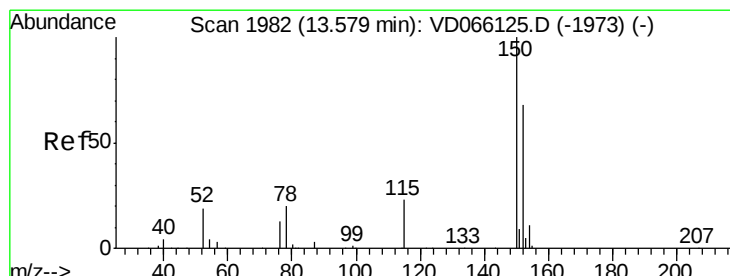
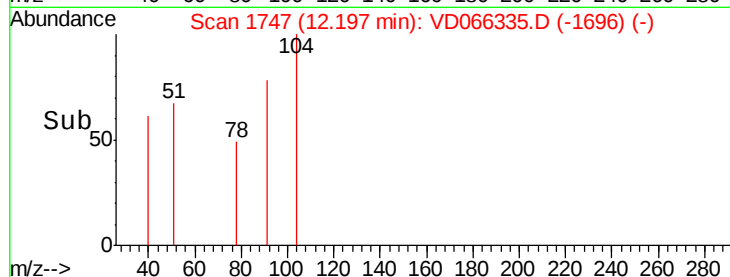
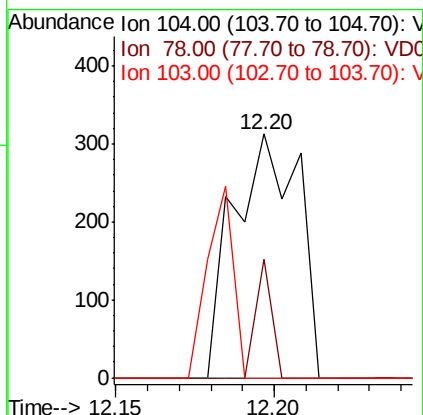
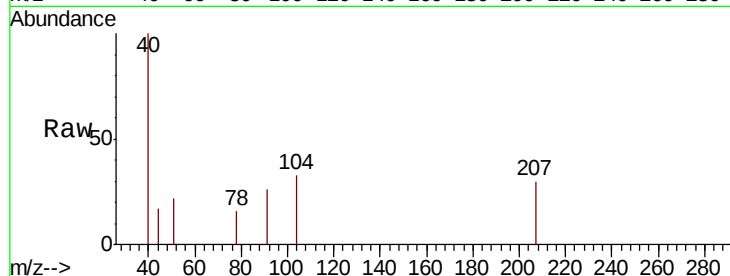




#70
Stvrene
Concen: 5.458 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD066335.D
Acq: 20 Aug 2020 00:58

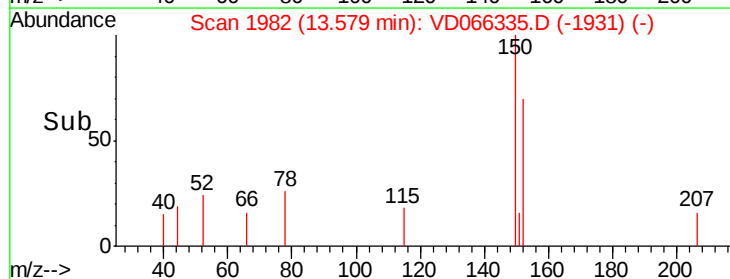
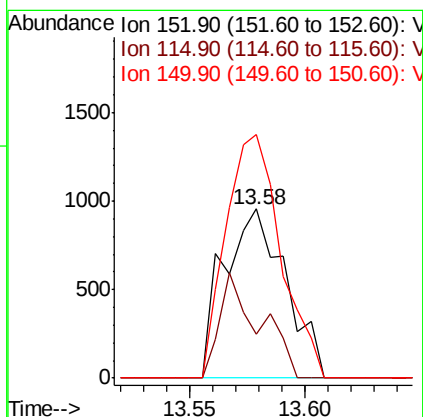
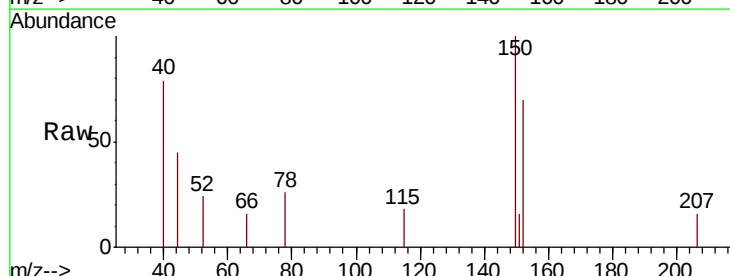
Instrument :
MSVOA_D
ClientSampleId :
CHRT-27137RE

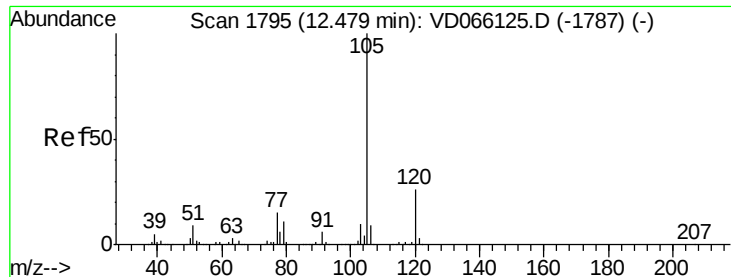
Tot Ion:104 Resp: 446
Ion Ratio Lower Upper
104 100
78 12.1 38.6 58.0#
103 31.4 44.1 66.1#



#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 :

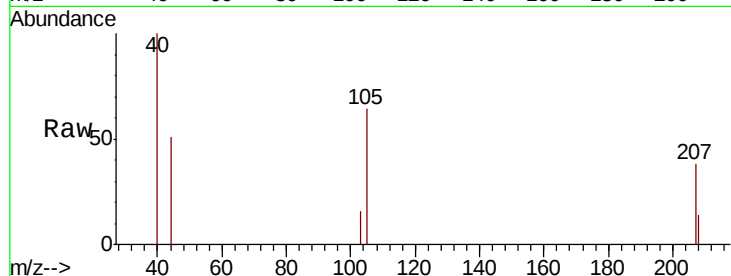
CHRT-27137RE

Tot Ion: 105 Resp: 903

Ion Ratio Lower Upper

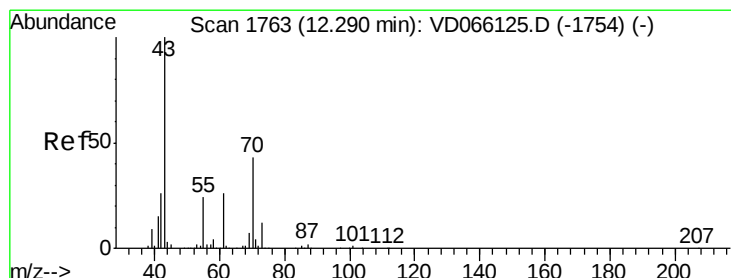
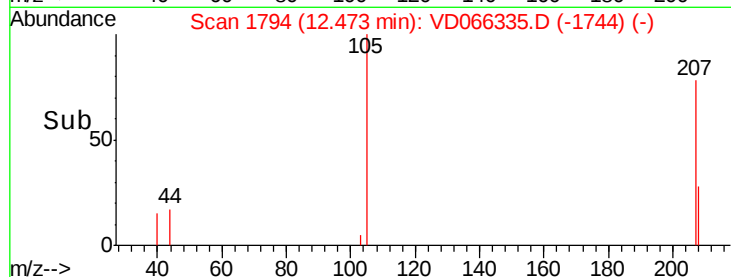
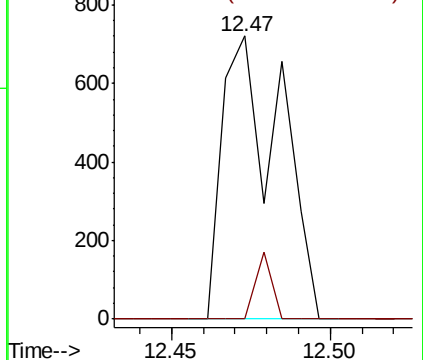
105 100

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

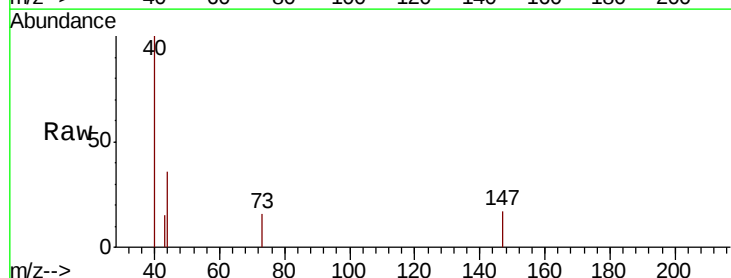
Ion Ratio Lower Upper

43 100

70 0.0 34.9 52.3#

55 0.0 19.2 28.8#

61 0.0 19.7 29.5#

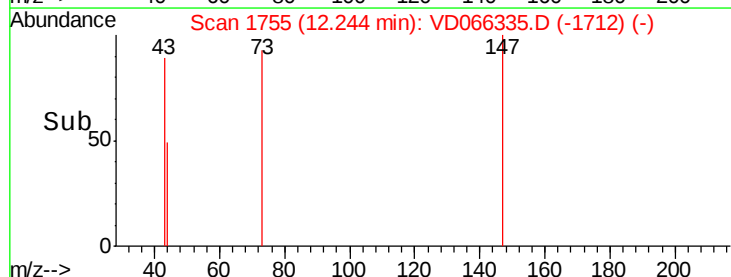
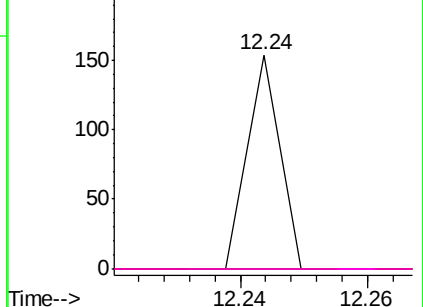


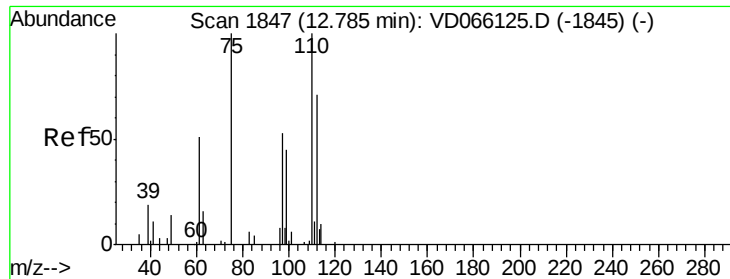
Abundance Ion 43.00 (42.70 to 43.70): VDC

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

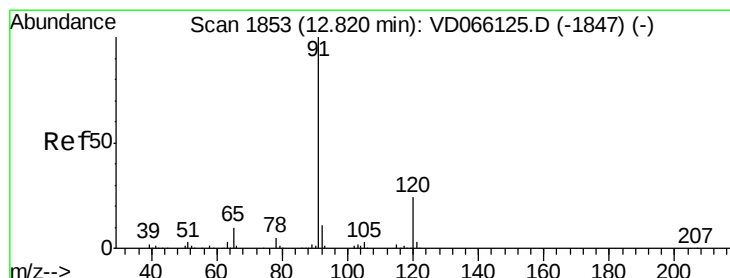
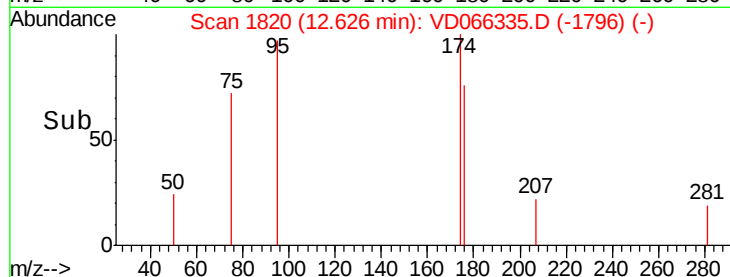
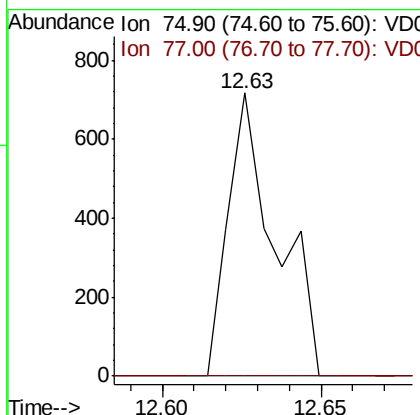
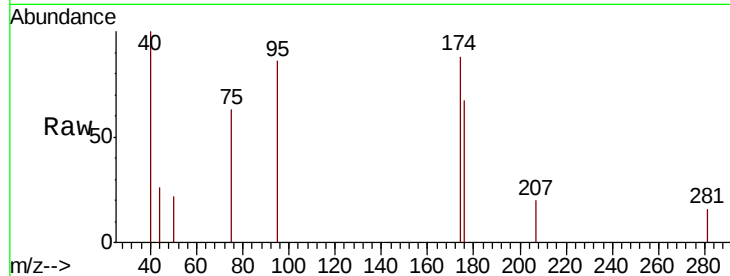




#76
 1,2,3-Trichloropropane
 Concen: 49.987 ug/l
 RT: 12.63 min Scan# 1820
 Delta R.T. -0.16 min
 Lab File: VD066335.D
 Acq: 20 Aug 2020 00:58

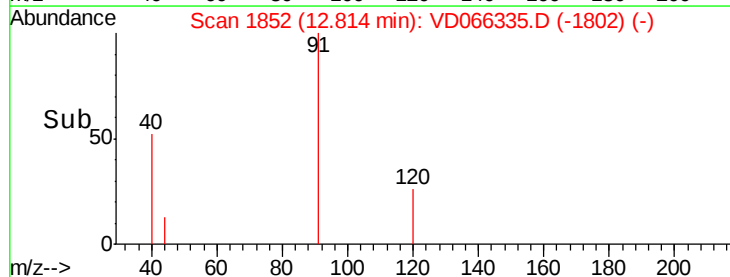
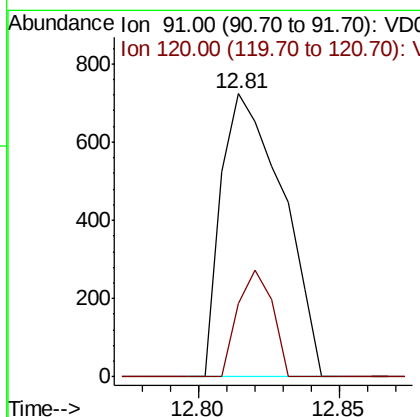
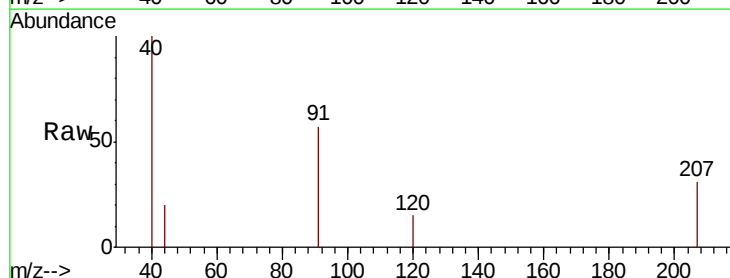
Instrument :
 MSVOA_D
 ClientSampleId :
 CHRT-27137RE

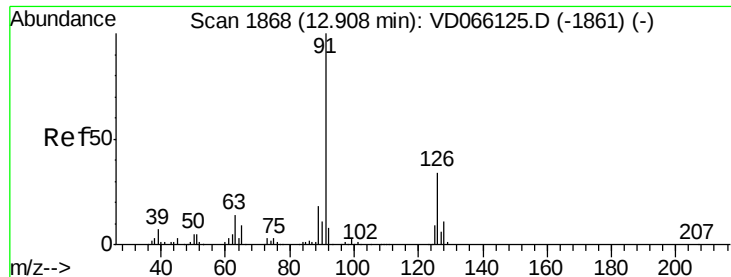
Tot Ion: 75 Resp: 742
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0



#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

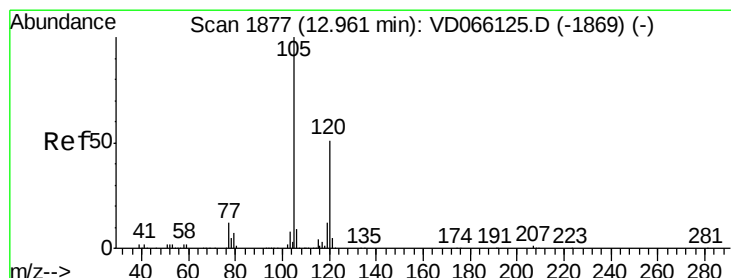
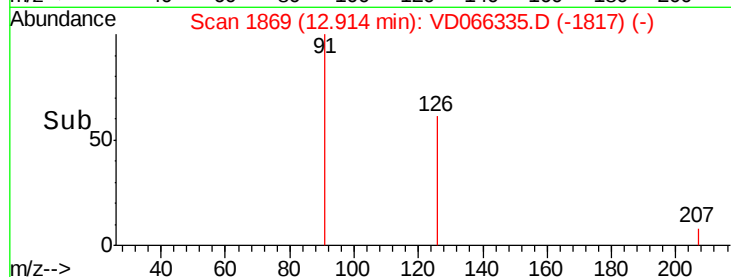
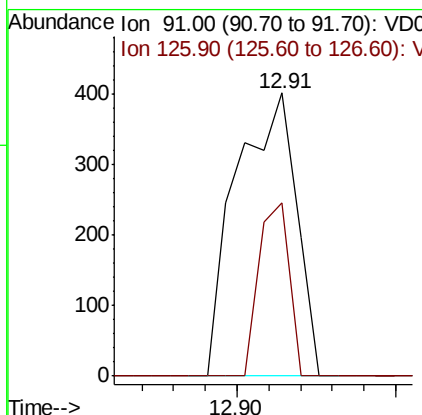
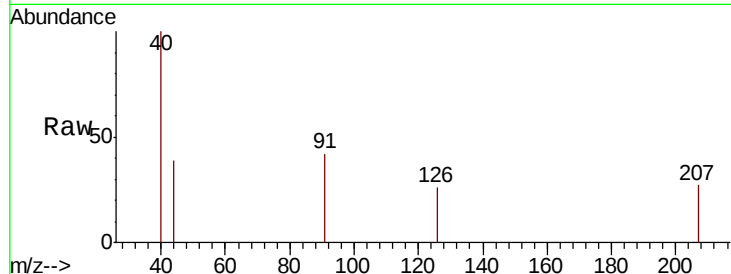




#79
 2-Chlorotoluene
 Concen: 6.684 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.01 min
 Lab File: VD066335.D
 Acq: 20 Aug 2020 00:58

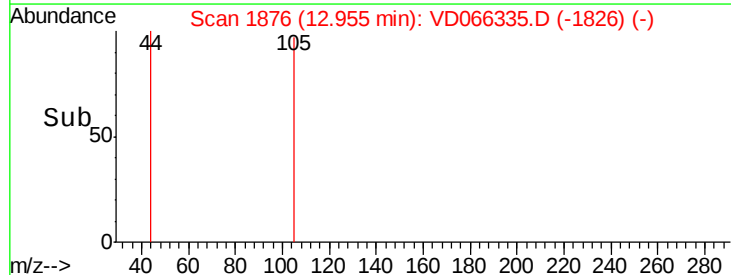
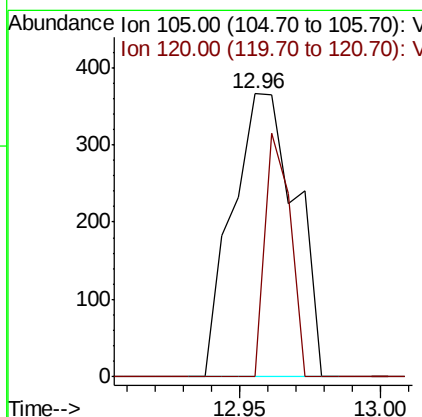
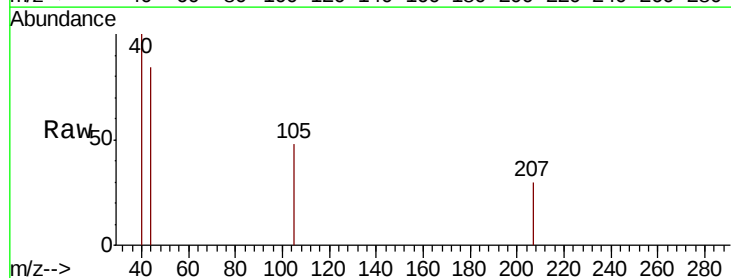
Instrument :
 MSVOA_D
 ClientSampleId :
 CHRT-27137RE

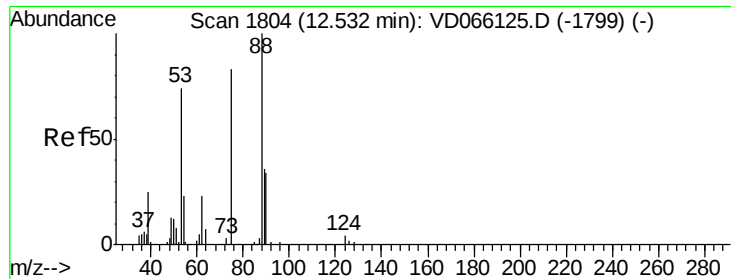
Tot Ion: 91 Resp: 528
 Ion Ratio Lower Upper
 91 100
 126 31.1 17.5 52.6



#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

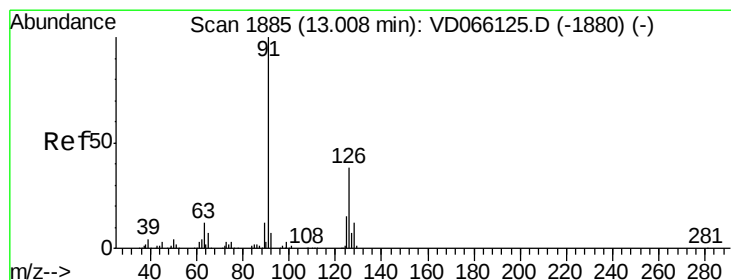
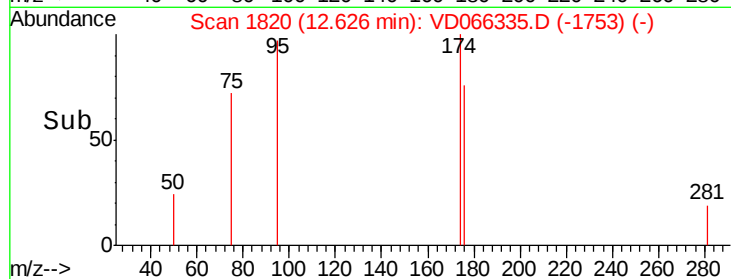
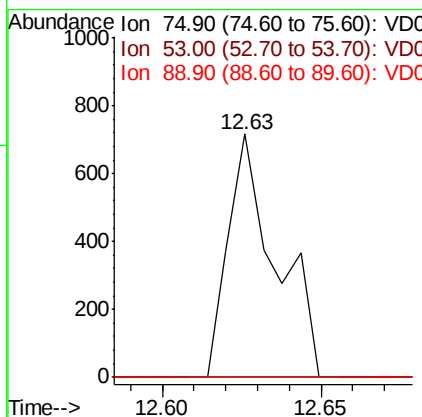
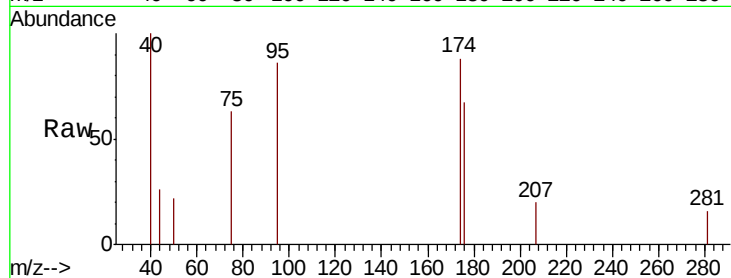




#81
trans-1,4-Dichloro-2-butene
Concen: 110.499 ug/l
RT: 12.63 min Scan# 1820
Delta R.T. 0.09 min
Lab File: VD066335.D
Acq: 20 Aug 2020 00:58

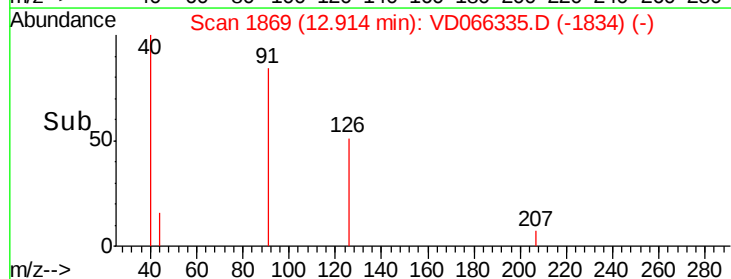
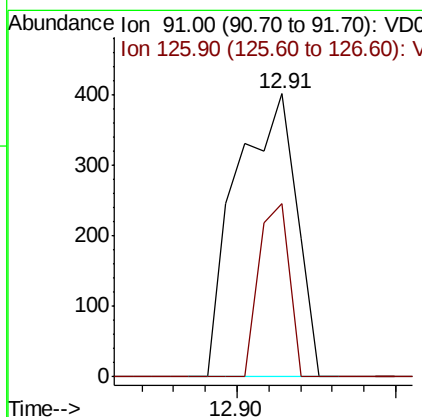
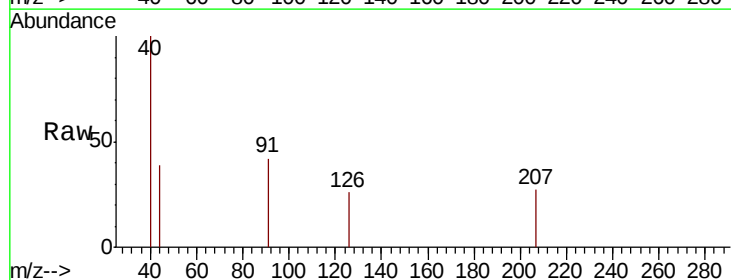
Instrument :
MSVOA_D
ClientSampleId :
CHRT-27137RE

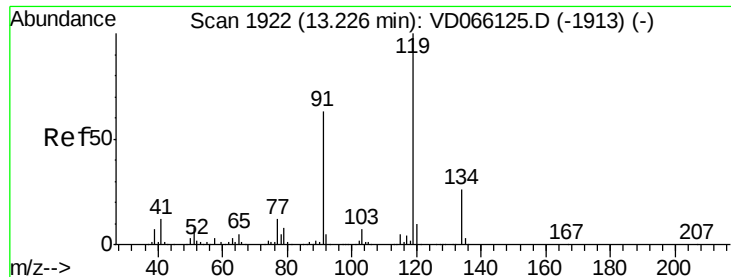
Tot Ion: 75 Resp: 742
Ion Ratio Lower Upper
75 100
53 0.0 73.4 110.2#
89 0.0 36.6 55.0#



#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

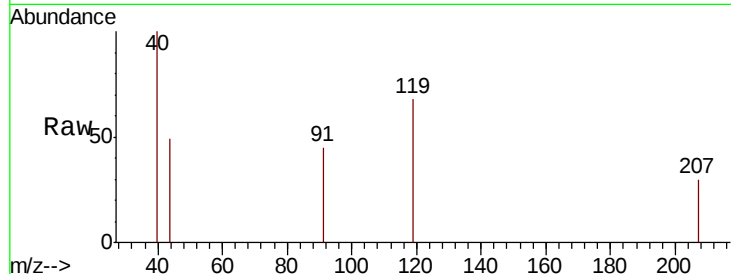




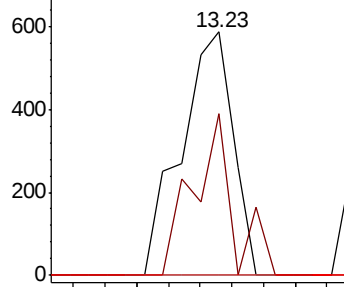
#83
 tert-Butylbenzene
 Concen: 7.690 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VD066335.D
 Acq: 20 Aug 2020 00:58

Instrument :
 MSVOA_D
 ClientSampleId :
 CHRT-27137RE

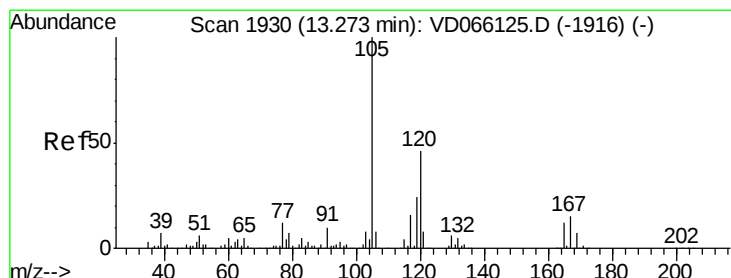
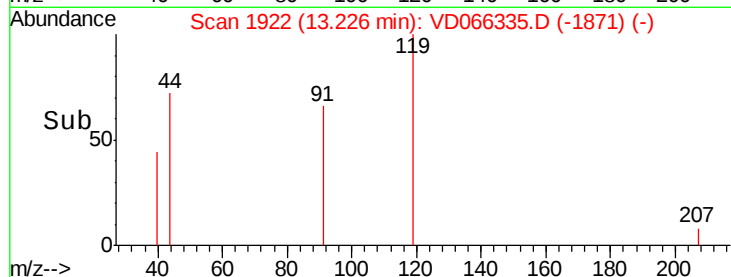
Tot Ion:119 Resp: 672
 Ion Ratio Lower Upper
 119 100
 91 50.4 30.8 92.4
 134 0.0 13.6 40.8#



Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

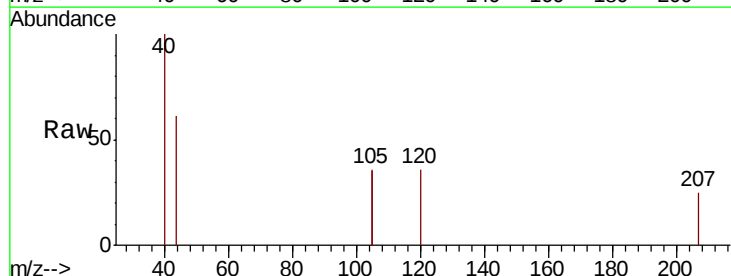


Time-->

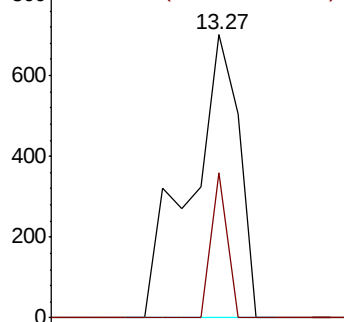


#84
 1,2,4-Trimethylbenzene
 Concen: 7.542 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD066335.D
 Acq: 20 Aug 2020 00:58

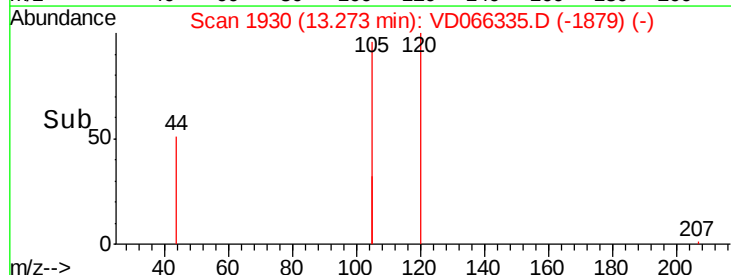
Tgt Ion:105 Resp: 750
 Ion Ratio Lower Upper
 105 100
 120 16.9 23.1 69.2#

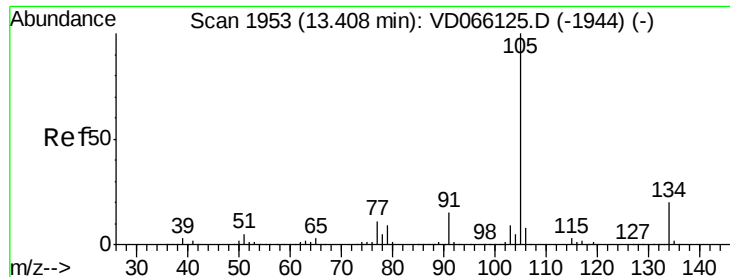


Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V



Time-->





#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 :

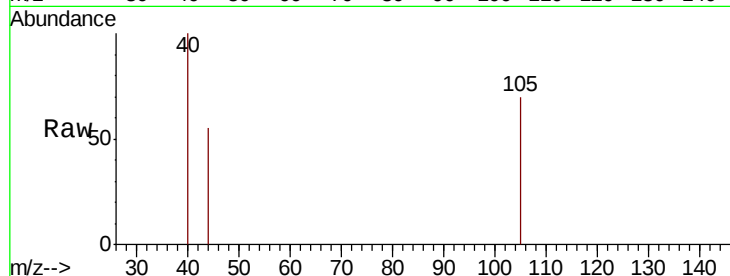
CHRT-27137RE

Tot Ion:105 Resp: 778

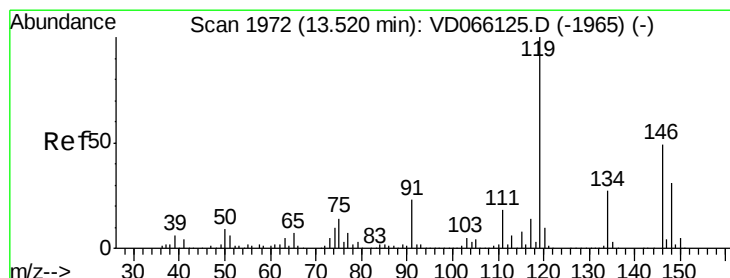
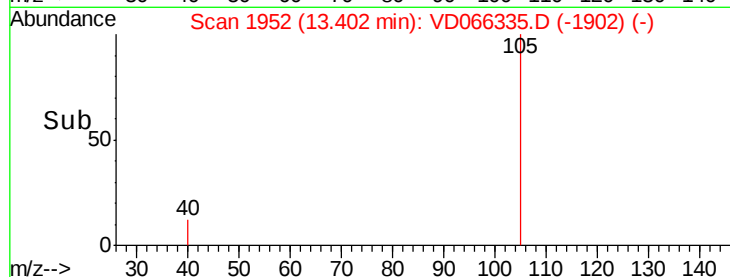
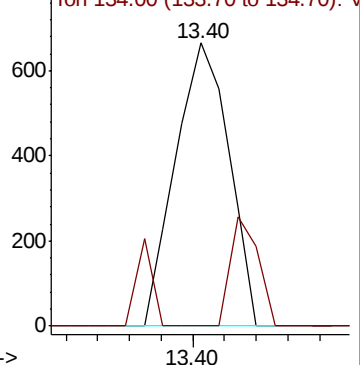
Ion Ratio Lower Upper

105 100

134 20.3 10.4 31.4



Abundance Ion 105.00 (104.70 to 105.70): V



#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

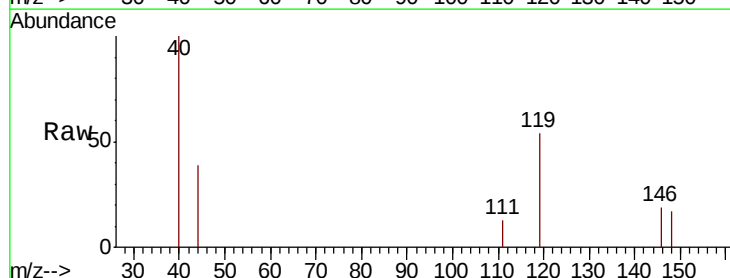
Tgt Ion:119 Resp: 871

Ion Ratio Lower Upper

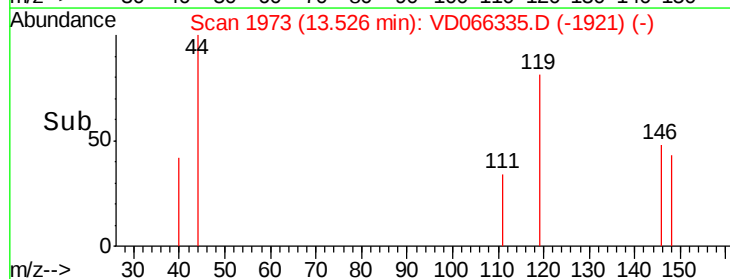
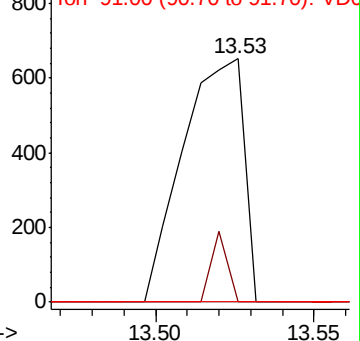
119 100

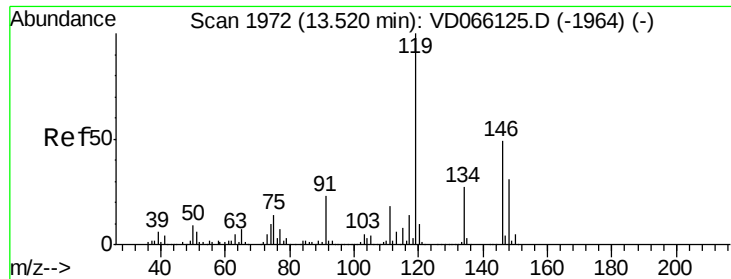
134 7.7 13.5 40.4#

91 0.0 11.2 33.5#



Abundance Ion 119.00 (118.70 to 119.70): V

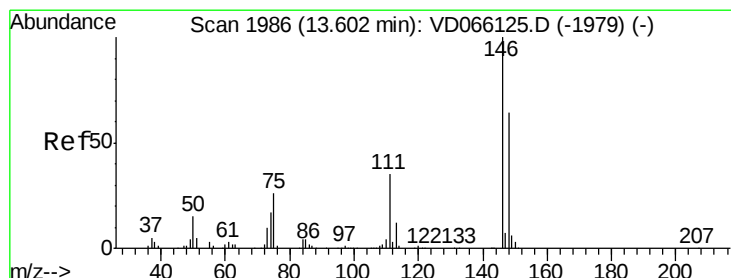
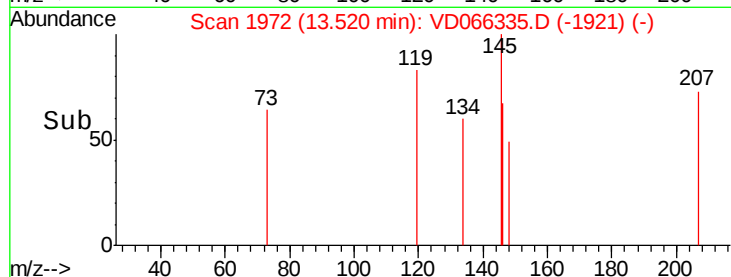
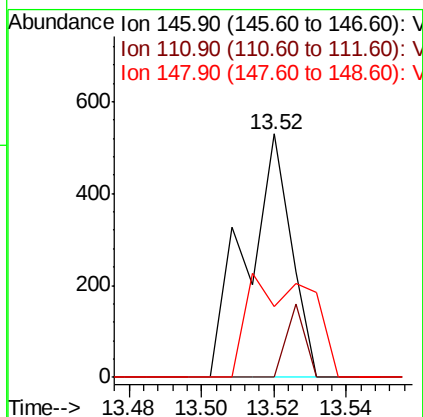
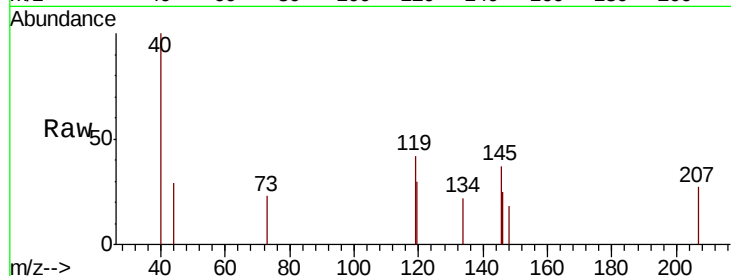




#87
 1,3-Dichlorobenzene
 Concen: 7.898 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD066335.D
 Acq: 20 Aug 2020 00:58

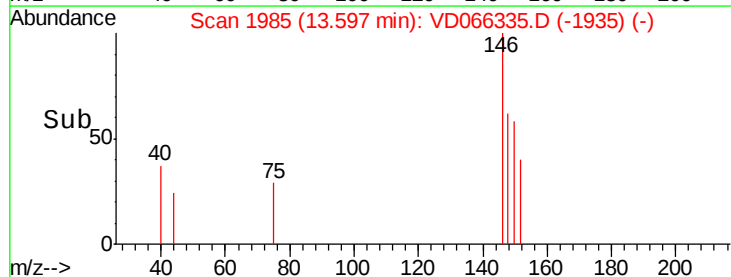
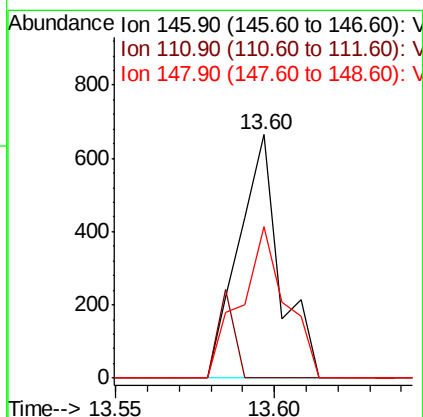
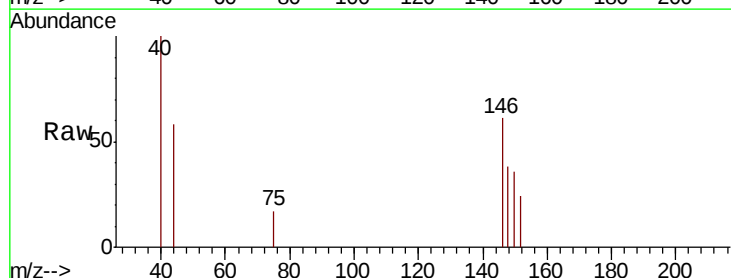
Instrument :
 MSVOA_D
 ClientSampleId :
 CHRT-27137RE

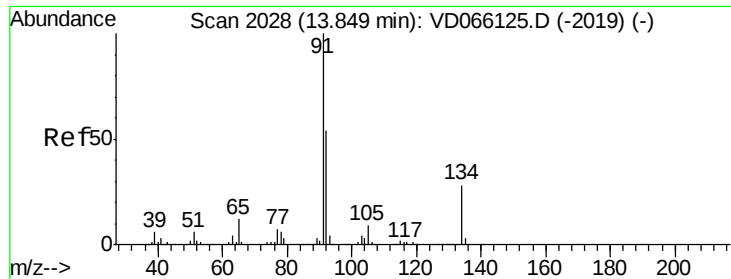
Tot Ion:146 Resp: 454
 Ion Ratio Lower Upper
 146 100
 111 12.3 18.9 56.9#
 148 59.9 31.8 95.3



#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

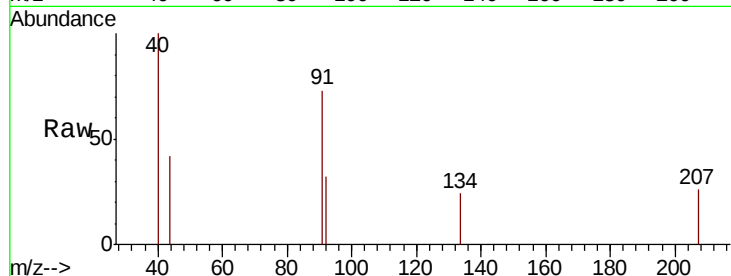




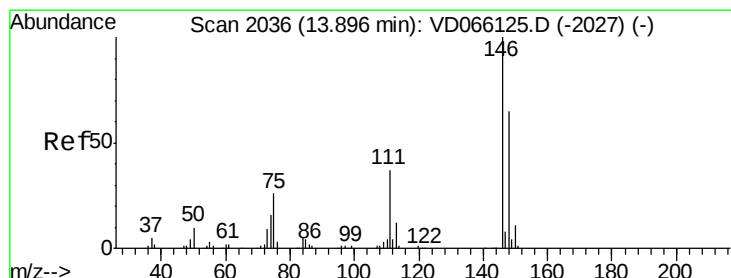
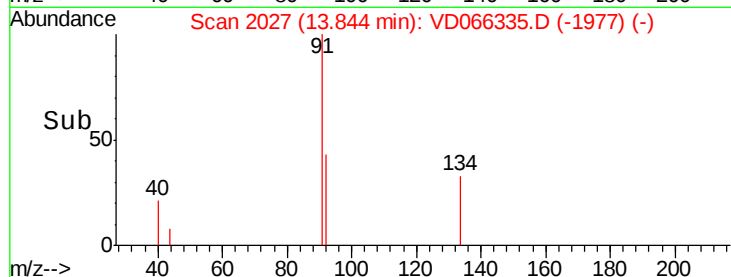
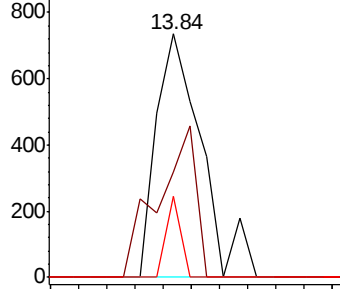
#89
n-Butylbenzene
Concen: 8.220 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.01 min
Lab File: VD066335.D
Acq: 20 Aug 2020 00:58

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#

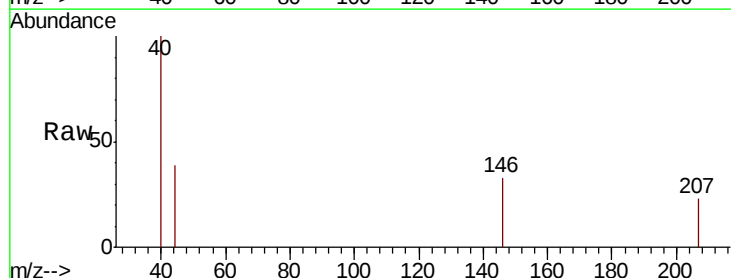


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 92.00 (91.70 to 92.70): V
Ion 134.00 (133.70 to 134.70): V

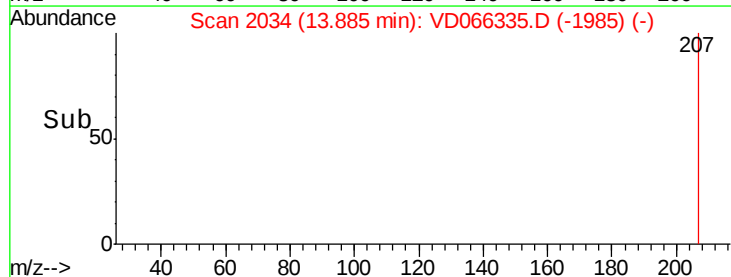
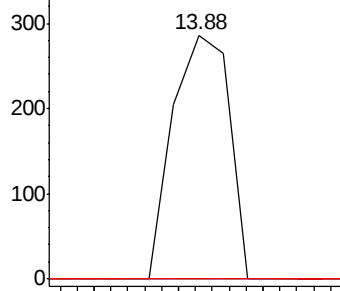


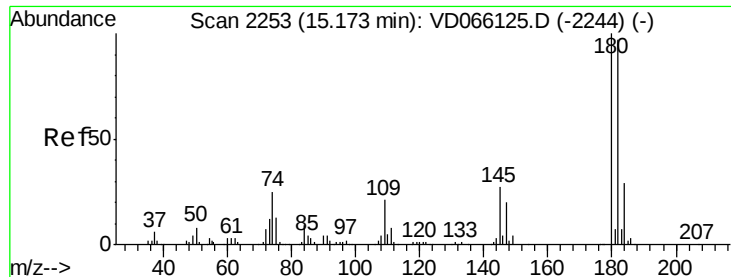
#91
1,2-Dichlorobenzene
Concen: 5.232 ug/l
RT: 13.88 min Scan# 2034
Delta R.T. -0.01 min
Lab File: VD066335.D
Acq: 20 Aug 2020 00:58

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#



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V

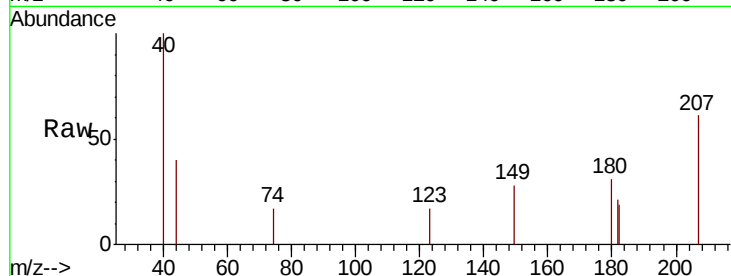




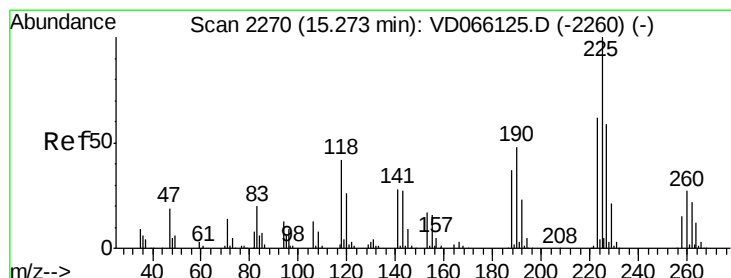
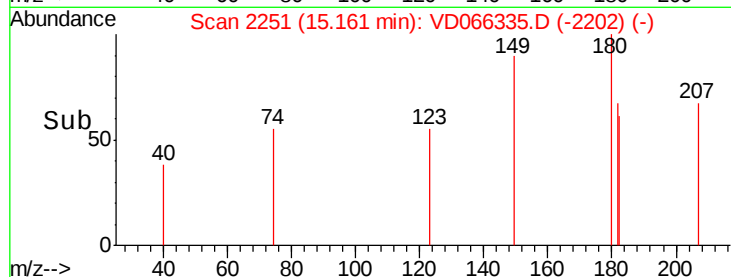
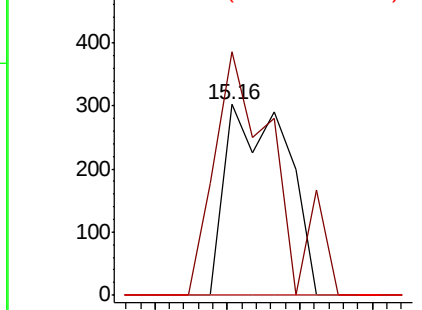
#93
 1,2,4-Trichlorobenzene
 Concen: 9.582 ug/l
 RT: 15.16 min Scan# 2251
 Delta R.T. -0.01 min
 Lab File: VD066335.D
 Acq: 20 Aug 2020 00:58

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#

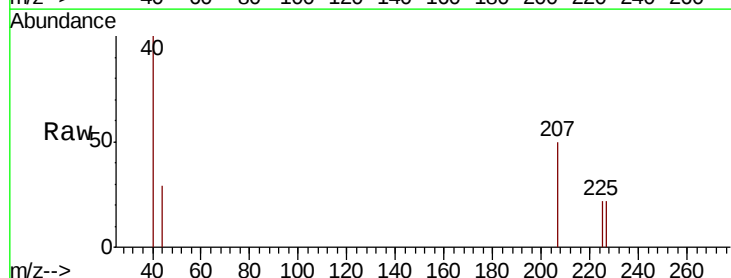


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

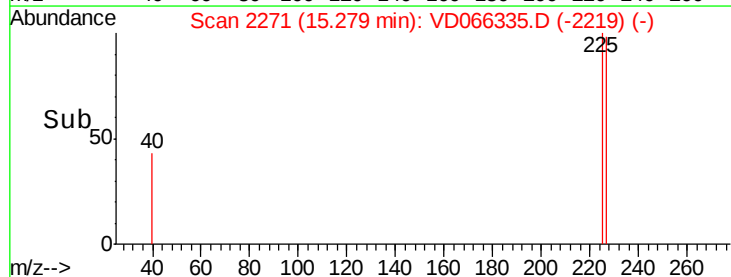
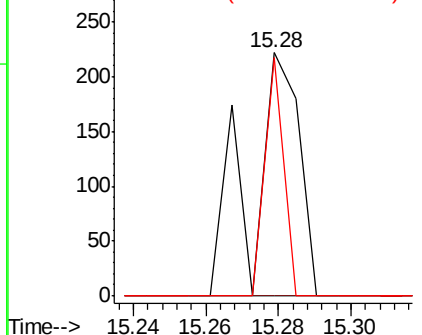


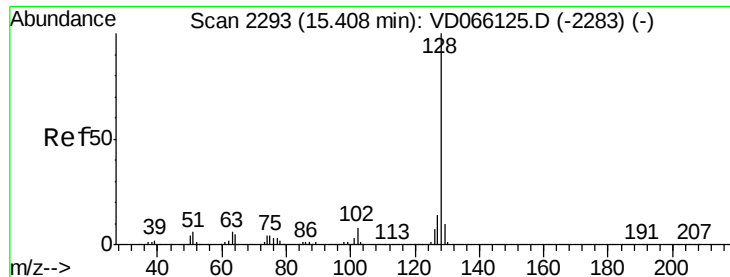
#94
 Hexachlorobutadiene
 Concen: 9.201 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD066335.D
 Acq: 20 Aug 2020 00:58

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

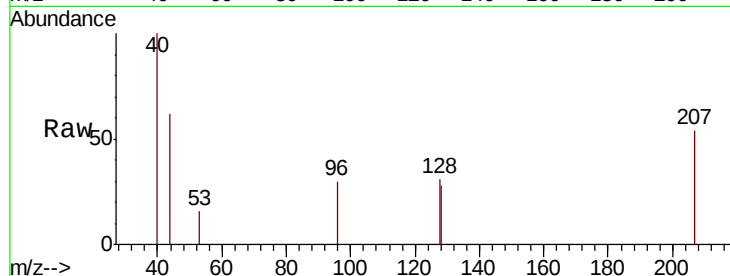
Tot Ion:128 Resp: 1106

Ion Ratio Lower Upper

128 100

127 0.0 11.0 16.4#

129 0.0 8.8 13.2#

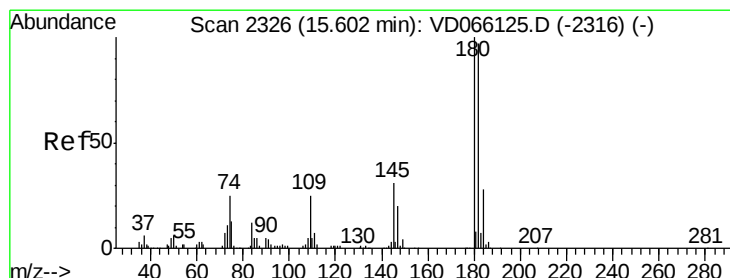
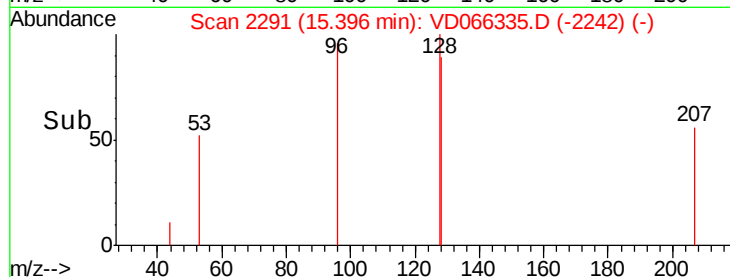
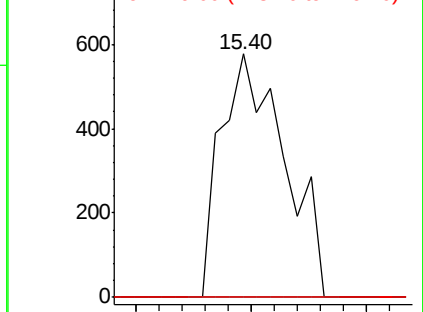


Abundance

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

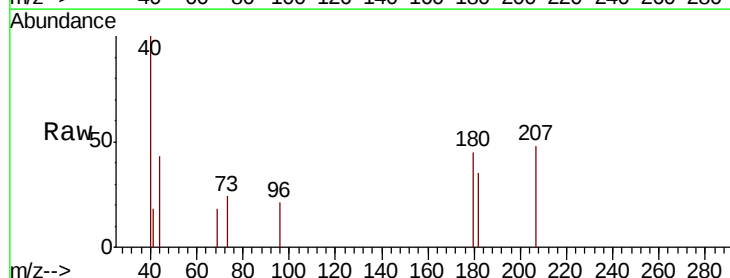
Tgt Ion:180 Resp: 519

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

