

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD082019\
 Data File : VD063681.D
 Acq On : 20 Aug 2019 13:38
 Operator : JC/SY
 Sample : K4385-14RE
 Misc : 6.10g/5ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 T8-C-(0)RE

Quant Time: Aug 21 03:50:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080919S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 10 06:42:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	701387	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	8.21	114	1068988	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.36	117	544935	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.51	152	119405	50.00	ug/l	-0.02

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	434854	58.00	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	116.00%	
35) Dibromofluoromethane	6.91	113	538478	59.81	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	119.62%	
50) Toluene-d8	10.40	98	739387	37.35	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	74.70%	
62) 4-Bromofluorobenzene	13.55	95	212433	23.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	47.36%	

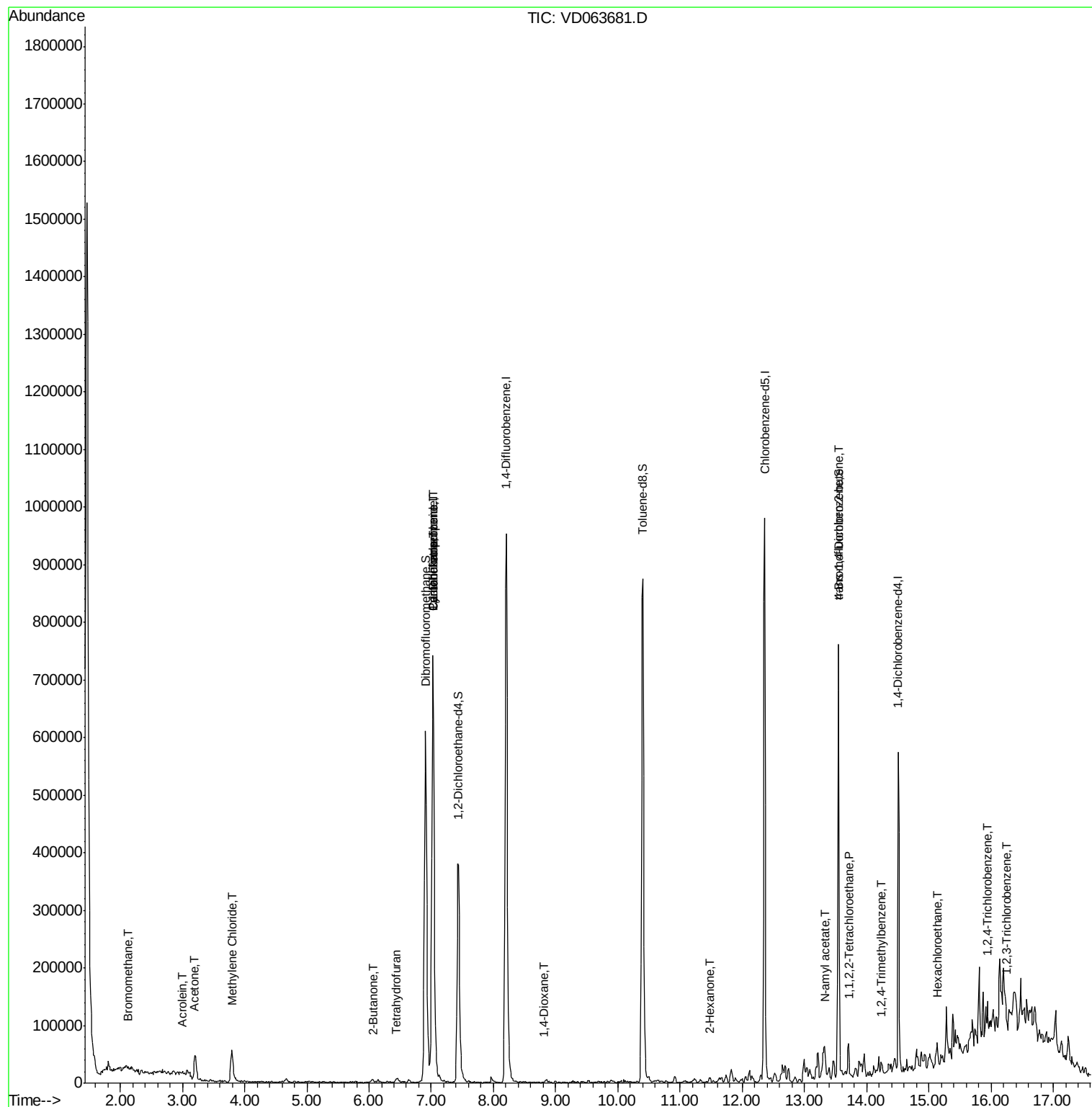
Target Compounds						Qvalue
5) Bromomethane	2.12	94	3300	1.063	ug/l #	11
13) Acrolein	3.00	56	604	1.880	ug/l #	80
16) Acetone	3.21	43	87786	57.600	ug/l #	87
20) Methylene Chloride	3.80	84	33811	5.130	ug/l #	85
25) 2-Butanone	6.05	43	7970	5.295	ug/l #	58
29) Tetrahydrofuran	6.43	42	5608	7.996	ug/l #	89
31) Cyclohexane	7.03	56	17275	2.552	ug/l #	48
36) 1,1-Dichloropropene	7.03	75	52766	5.584	ug/l #	48
38) Carbon Tetrachloride	7.03	117	67543	4.742	ug/l #	16
49) 1,4-Dioxane	8.80	88	209	31.086	ug/l #	34
59) 2-Hexanone	11.48	43	4265	1.615	ug/l #	30
74) N-amyl acetate	13.33	43	15760	8.266	ug/l #	56
75) 1,1,2,2-Tetrachloroethane	13.70	83	2880	2.285	ug/l #	26
81) trans-1,4-Dichloro-2-buten	13.54	75	94567	256.752	ug/l #	1
84) 1,2,4-Trimethylbenzene	14.23	105	7332	1.194	ug/l	91
90) Hexachloroethane	15.13	117	3555	1.993	ug/l #	12
93) 1,2,4-Trichlorobenzene	15.94	180	2374	1.013	ug/l #	61
96) 1,2,3-Trichlorobenzene	16.26	180	1924	1.016	ug/l #	22

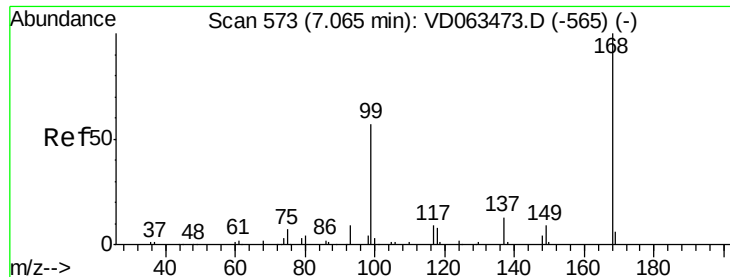
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Aug 10 06:42:47 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.04 min

Lab File: VD063681.D

Acq: 20 Aug 2019 13:38

Instrument :

MSVOA_D

ClientSampleId :

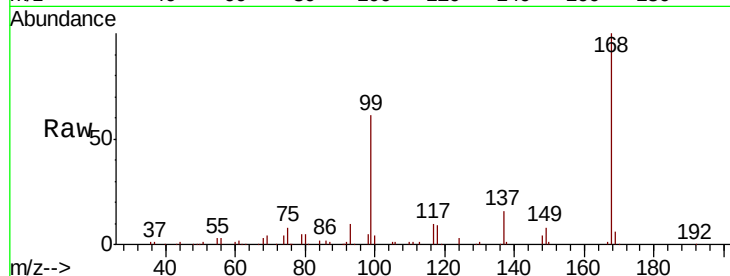
T8-C-(0)RE

Tgt Ion:168 Resp: 701387

Ion Ratio Lower Upper

168 100

99 60.9 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.03

250000

200000

150000

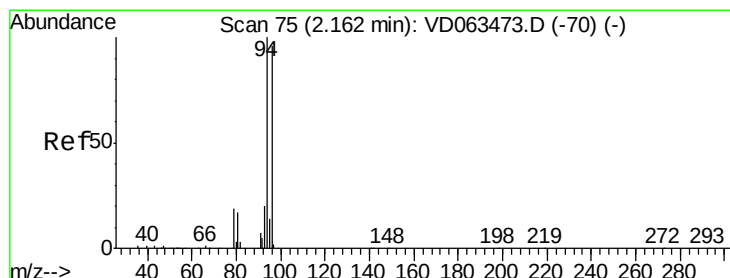
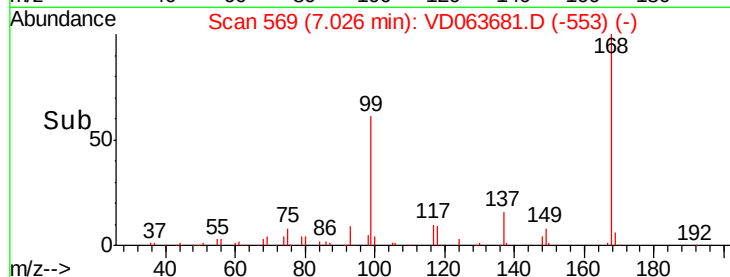
100000

50000

0

Time-->

6.90 7.00 7.10 7.20 7.30



#5

Bromomethane

Concen: 1.063 ug/l

RT: 2.12 min Scan# 71

Delta R.T. -0.04 min

Lab File: VD063681.D

Acq: 20 Aug 2019 13:38

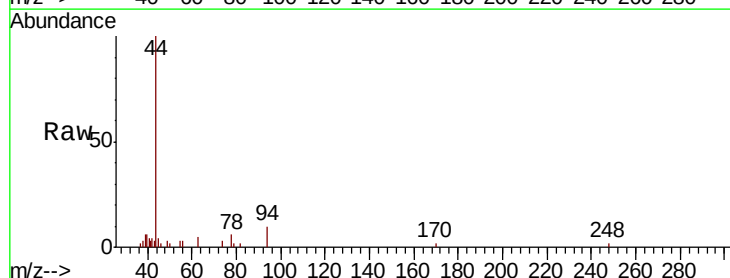
Tgt Ion: 94 Resp: 3300

Ion Ratio Lower Upper

94 100

96 0.0 76.5 114.7#

93 0.0 15.8 23.8#



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC

2000

1500

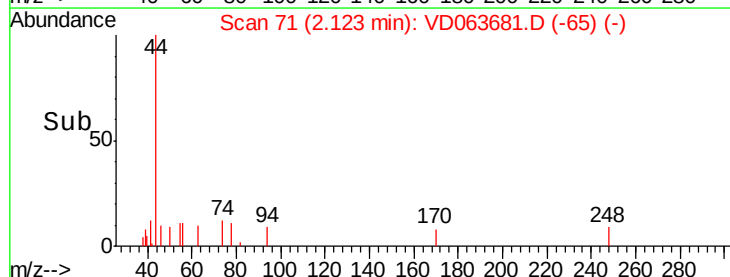
1000

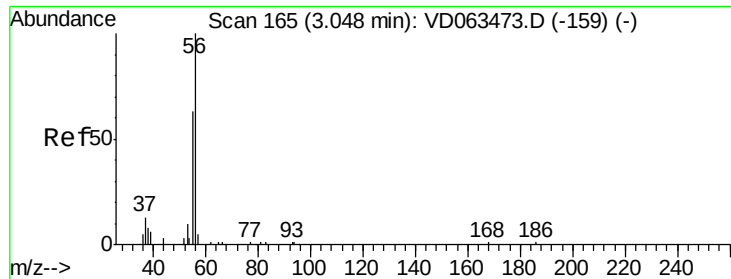
500

0

Time-->

2.05 2.10 2.15 2.20





#13

Acrolein

Concen: 1.880 ug/l

RT: 3.00 min Scan# 160

Delta R.T. -0.05 min

Lab File: VD063681.D

Acq: 20 Aug 2019 13:38

Instrument :

MSVOA_D

ClientSampleId :

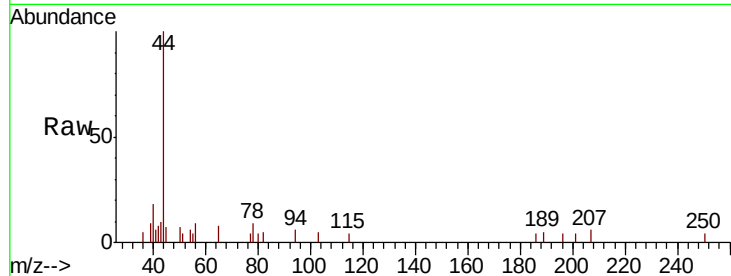
T8-C-(0)RE

Tgt Ion: 56 Resp: 604

Ion Ratio Lower Upper

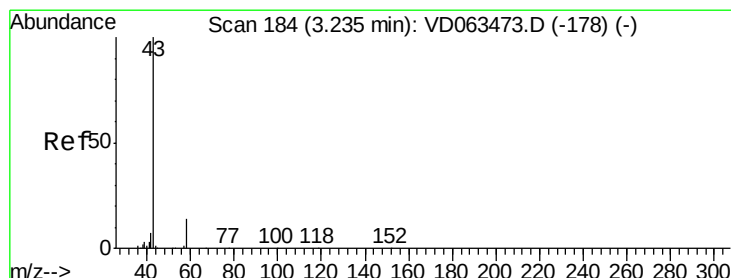
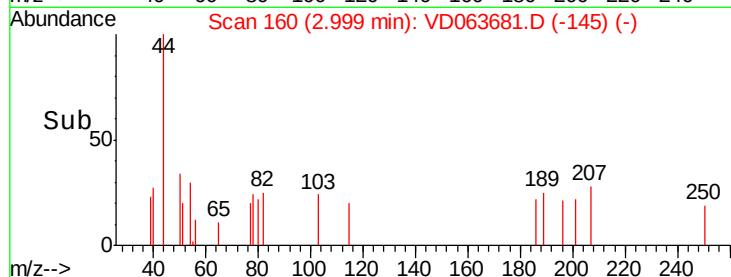
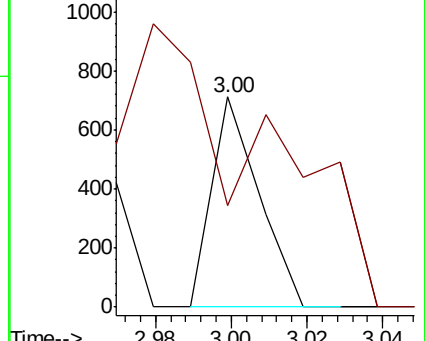
56 100

55 48.5 51.3 76.9#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#16

Acetone

Concen: 57.600 ug/l

RT: 3.21 min Scan# 181

Delta R.T. -0.03 min

Lab File: VD063681.D

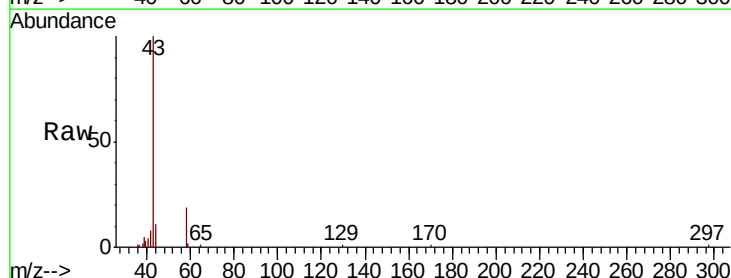
Acq: 20 Aug 2019 13:38

Tgt Ion: 43 Resp: 87786

Ion Ratio Lower Upper

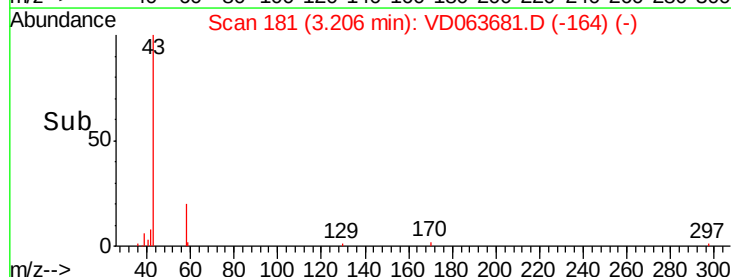
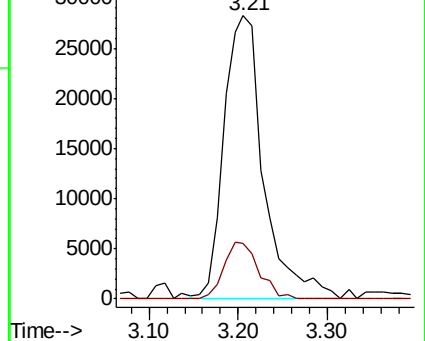
43 100

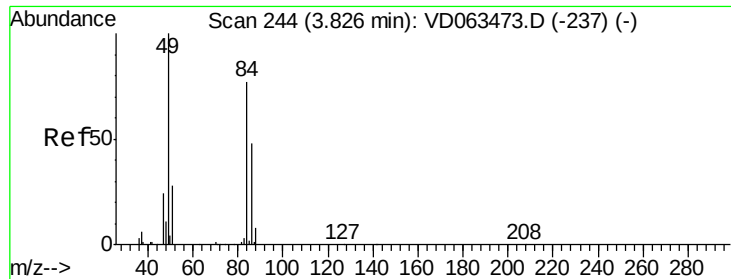
58 19.5 11.4 17.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

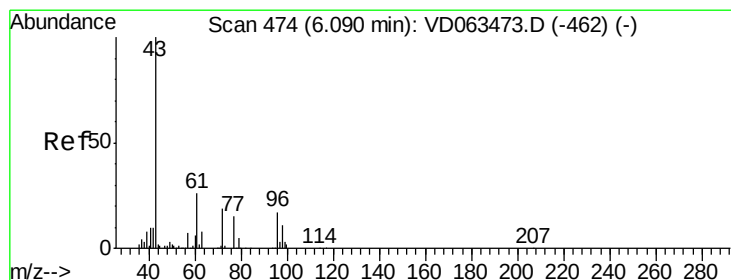
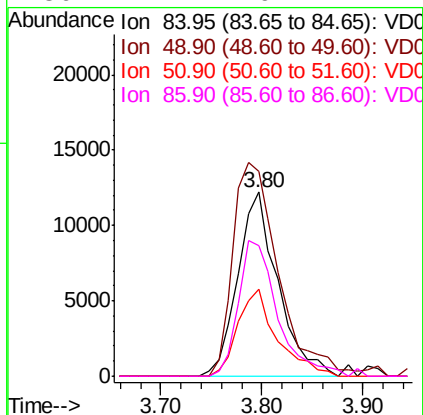
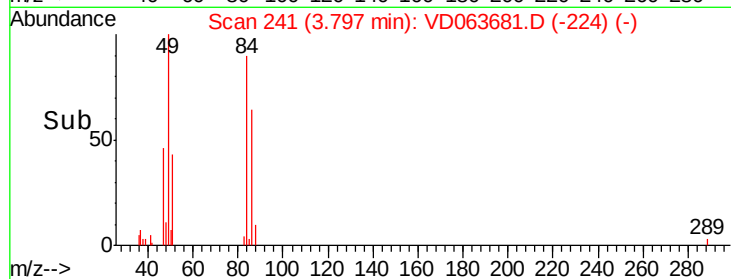
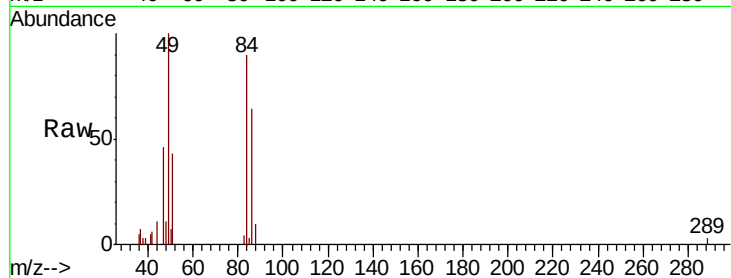




#20
Methylene Chloride
Concen: 5.130 ug/l
RT: 3.80 min Scan# 241
Delta R.T. -0.03 min
Lab File: VD063681.D
Acq: 20 Aug 2019 13:38

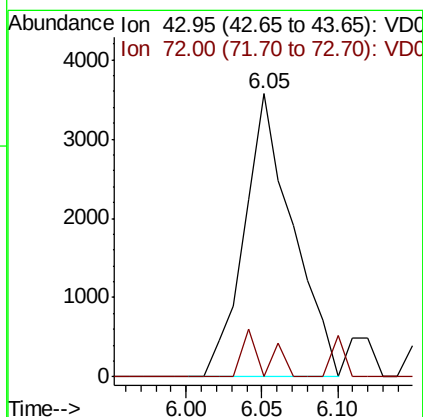
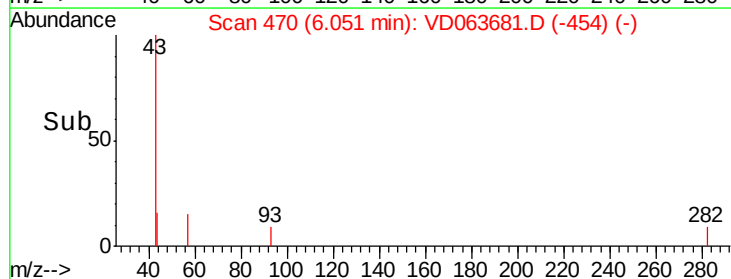
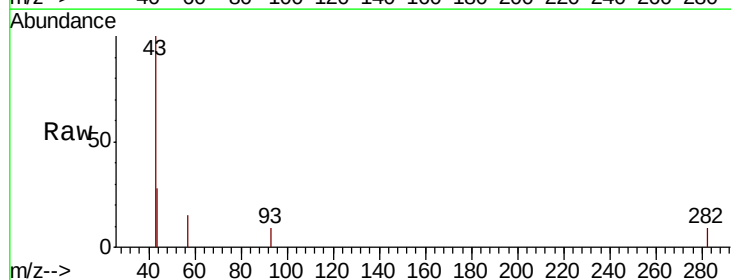
Instrument :
MSVOA_D
ClientSampleId :
T8-C-(0)RE

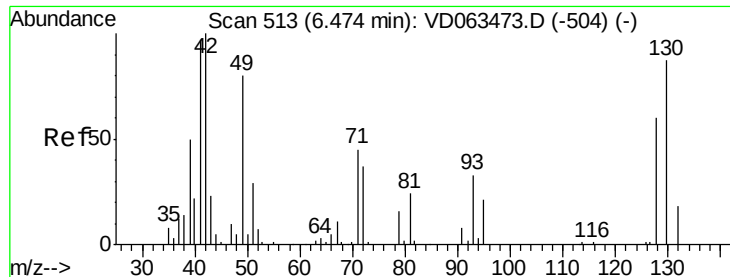
Tgt Ion: 84 Resp: 33811
Ion Ratio Lower Upper
84 100
49 111.3 103.4 155.2
51 47.7 28.5 42.7#
86 71.1 49.4 74.2



#25
2-Butanone
Concen: 5.295 ug/l
RT: 6.05 min Scan# 470
Delta R.T. -0.04 min
Lab File: VD063681.D
Acq: 20 Aug 2019 13:38

Tgt Ion: 43 Resp: 7970
Ion Ratio Lower Upper
43 100
72 0.0 15.1 22.7#





#29

Tetrahydrofuran

Concen: 7.996 ug/l

RT: 6.43 min Scan# 509

Delta R.T. -0.04 min

Lab File: VD063681.D

Acq: 20 Aug 2019 13:38

Instrument :

MSVOA_D

ClientSampleId :

T8-C-(0)RE

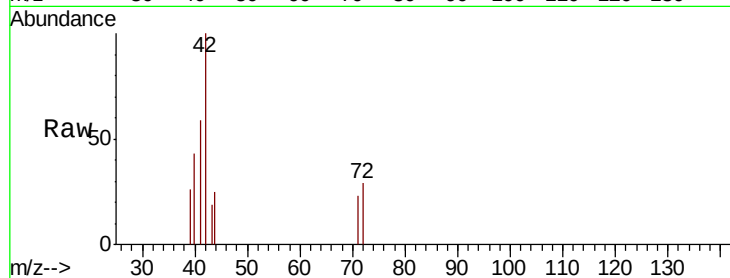
Tgt Ion: 42 Resp: 5608

Ion Ratio Lower Upper

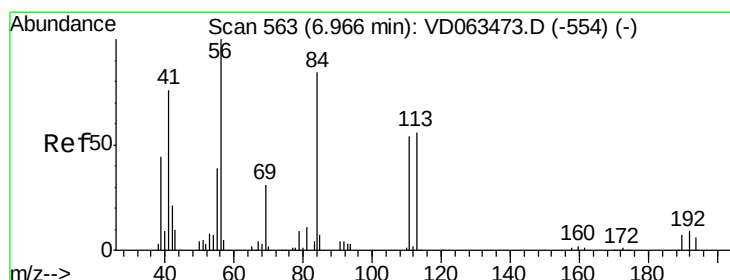
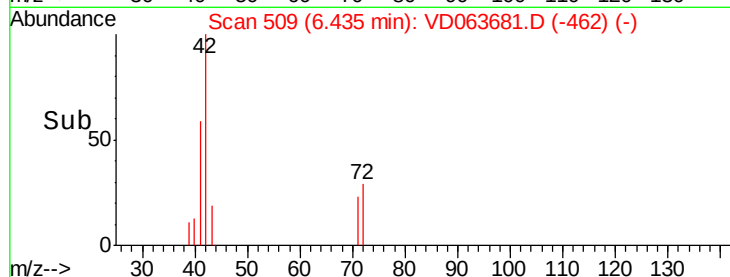
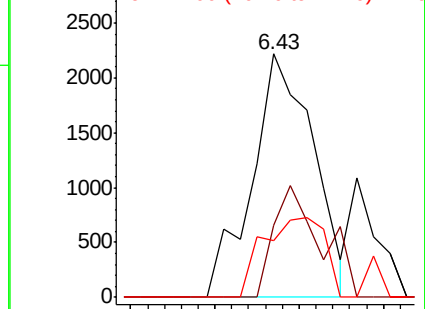
42 100

72 35.3 31.5 47.3

71 33.0 33.8 50.8#



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



#31

Cyclohexane

Concen: 2.552 ug/l

RT: 7.03 min Scan# 569

Delta R.T. 0.06 min

Lab File: VD063681.D

Acq: 20 Aug 2019 13:38

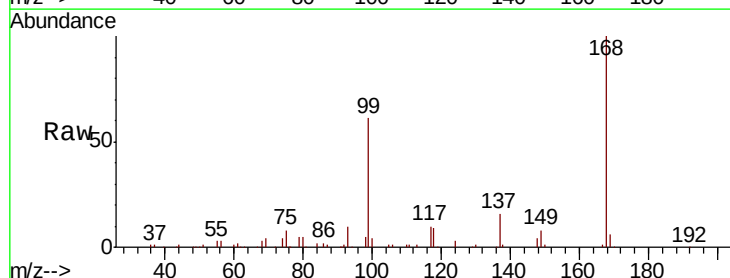
Tgt Ion: 56 Resp: 17275

Ion Ratio Lower Upper

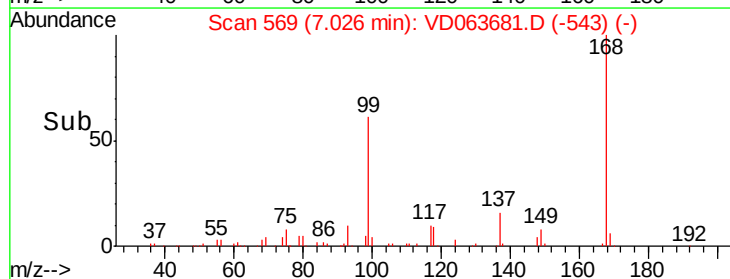
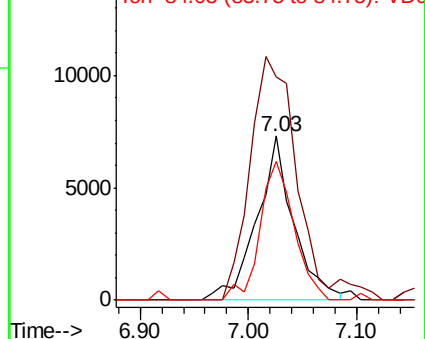
56 100

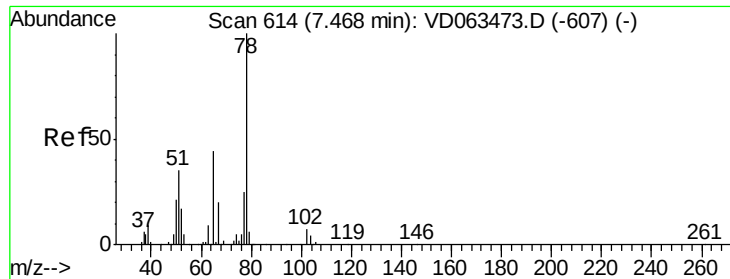
69 136.0 25.0 37.6#

84 84.4 69.7 104.5



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

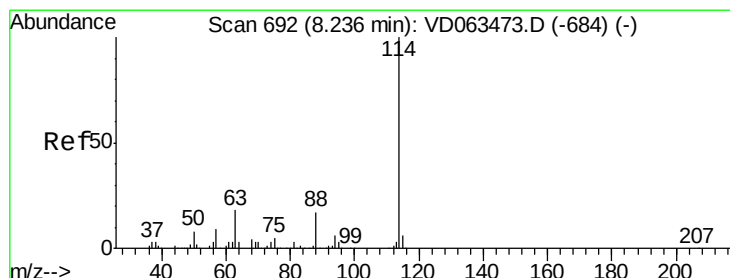
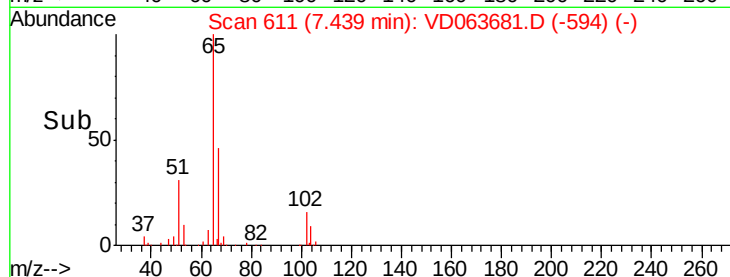
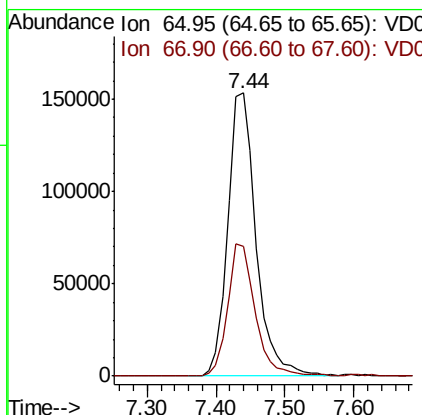
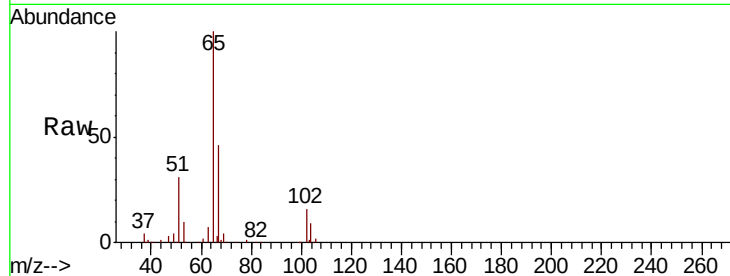




#33
 1,2-Dichloroethane-d4
 Concen: 58.002 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. -0.03 min
 Lab File: VD063681.D
 Acq: 20 Aug 2019 13:38

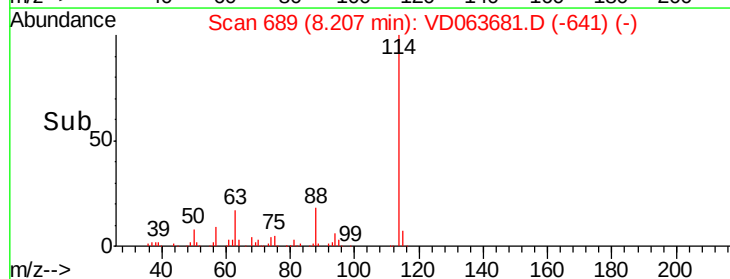
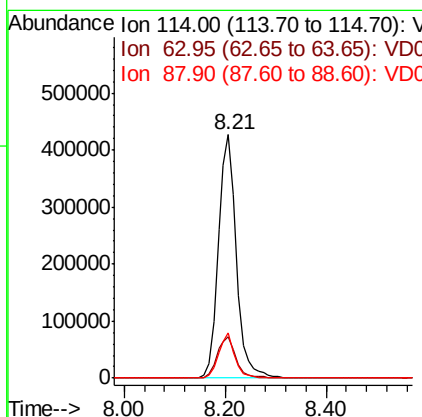
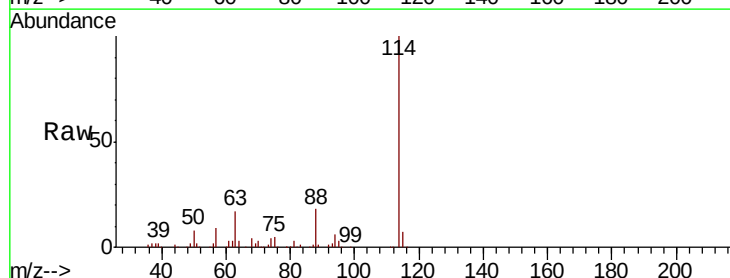
Instrument :
 MSVOA_D
 ClientSampleId :
 T8-C-(0)RE

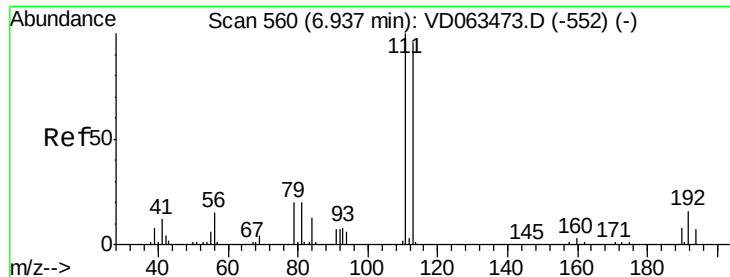
Tgt Ion: 65 Resp: 434854
 Ion Ratio Lower Upper
 65 100
 67 45.8 0.0 89.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. -0.03 min
 Lab File: VD063681.D
 Acq: 20 Aug 2019 13:38

Tgt Ion: 114 Resp: 1068988
 Ion Ratio Lower Upper
 114 100
 63 17.1 0.0 36.2
 88 18.4 0.0 35.0

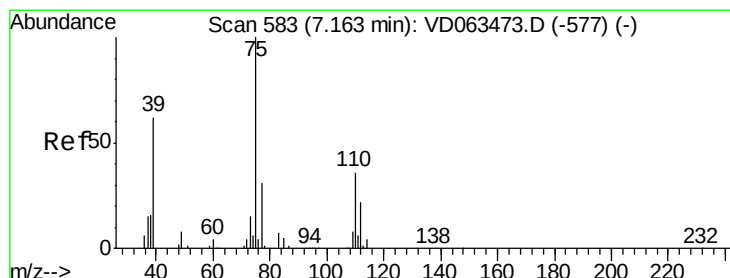
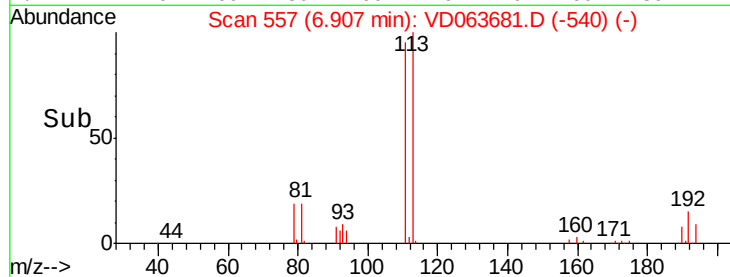
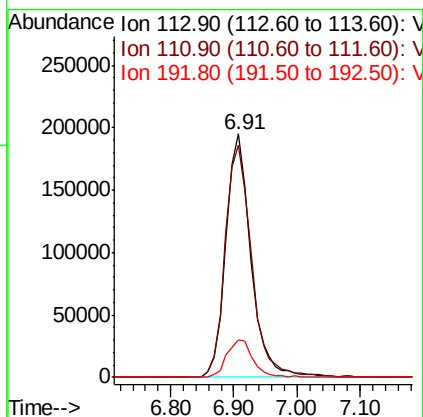
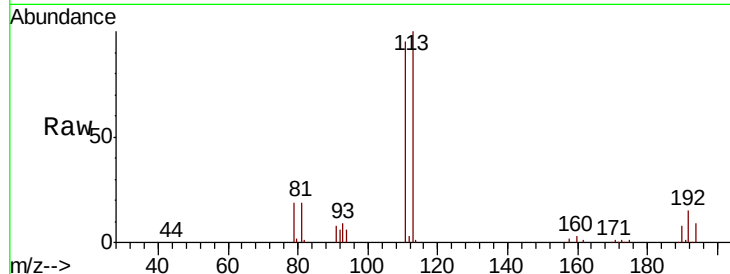




#35
 Dibromofluoromethane
 Concen: 59.810 ug/l
 RT: 6.91 min Scan# 557
 Delta R.T. -0.03 min
 Lab File: VD063681.D
 Acq: 20 Aug 2019 13:38

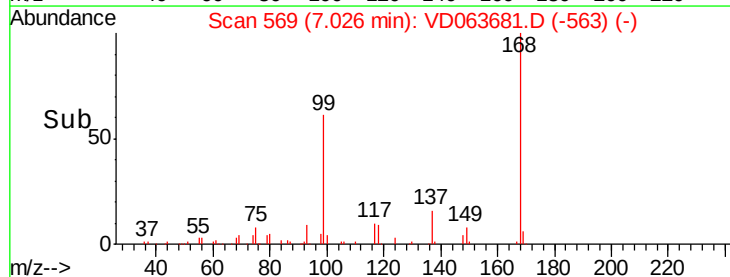
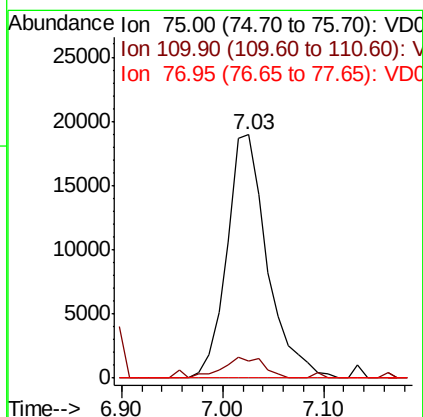
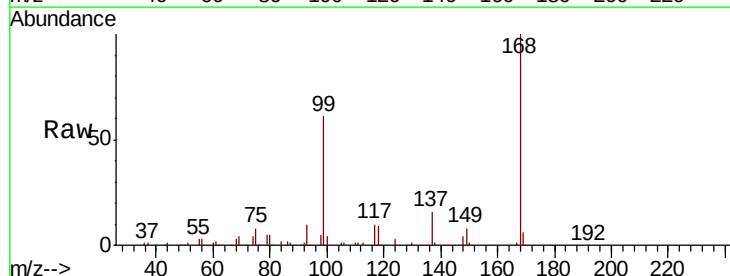
Instrument :
 MSVOA_D
 ClientSampleId :
 T8-C-(0)RE

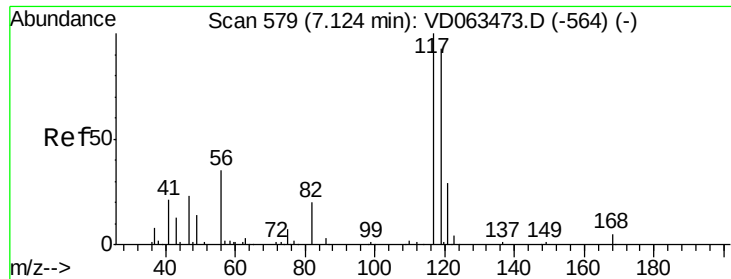
Tgt Ion	Ratio	Lower	Upper
113	100		
111	95.4	83.1	124.7
192	15.5	13.1	19.7



#36
 1,1-Dichloropropene
 Concen: 5.584 ug/l
 RT: 7.03 min Scan# 569
 Delta R.T. -0.14 min
 Lab File: VD063681.D
 Acq: 20 Aug 2019 13:38

Tgt Ion	Ratio	Lower	Upper
75	100		
110	6.9	17.6	52.8#
77	0.0	24.3	36.5#





#38

Carbon Tetrachloride

Concen: 4.742 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.10 min

Lab File: VD063681.D

Acq: 20 Aug 2019 13:38

Instrument :

MSVOA_D

ClientSampleId :

T8-C-(0)RE

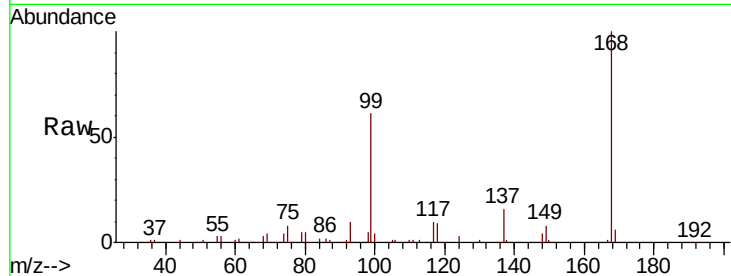
Tgt Ion:117 Resp: 67543

Ion Ratio Lower Upper

117 100

119 3.5 74.2 111.2#

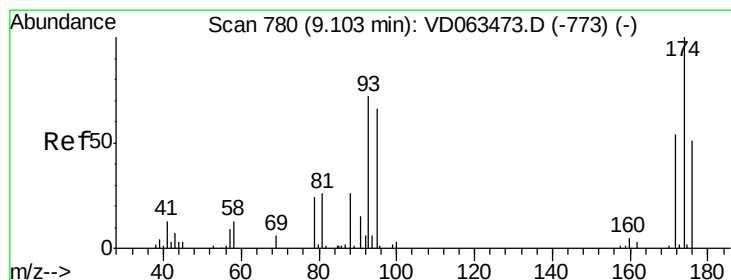
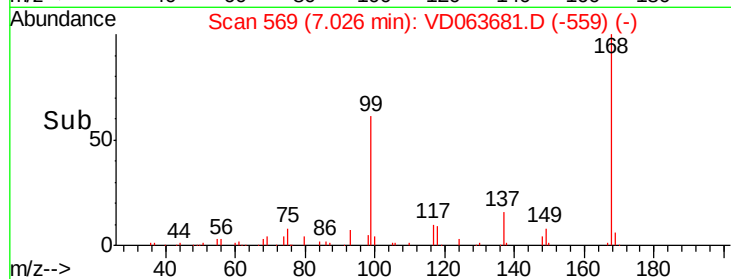
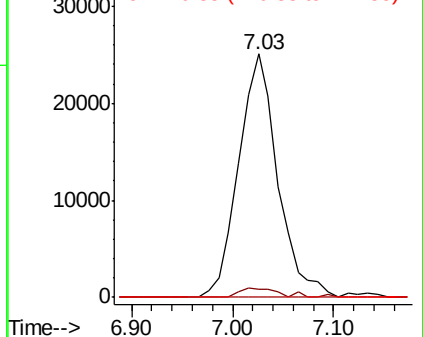
121 0.0 23.1 34.7#



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V



#49

1,4-Dioxane

Concen: 31.086 ug/l

RT: 8.80 min Scan# 749

Delta R.T. -0.30 min

Lab File: VD063681.D

Acq: 20 Aug 2019 13:38

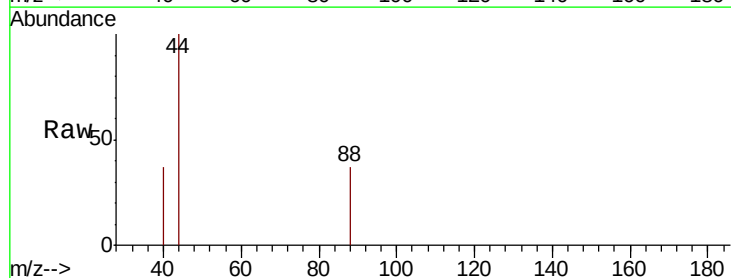
Tgt Ion: 88 Resp: 209

Ion Ratio Lower Upper

88 100

43 0.0 22.9 34.3#

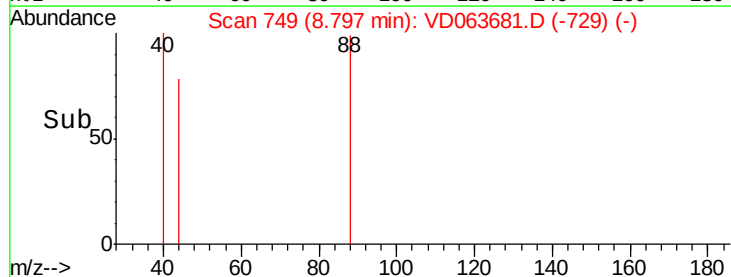
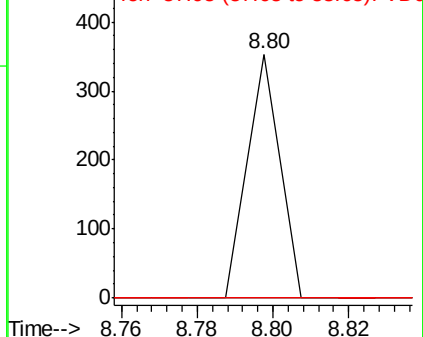
58 0.0 40.1 60.1#

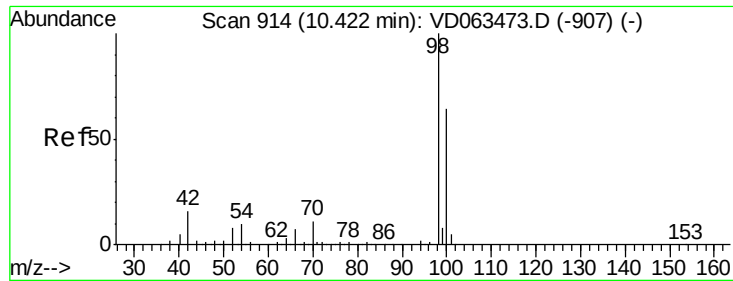


Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC

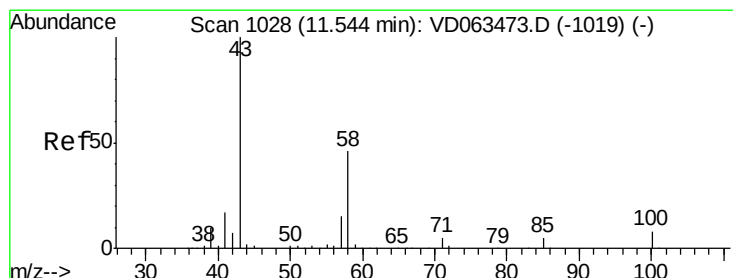
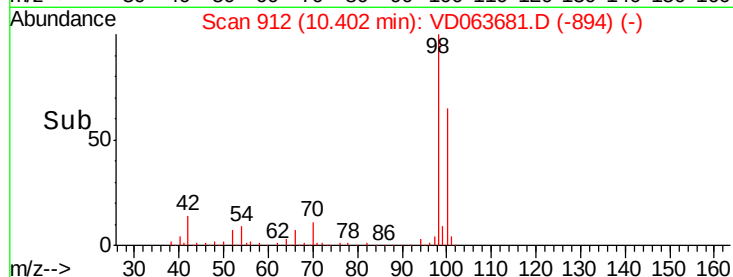
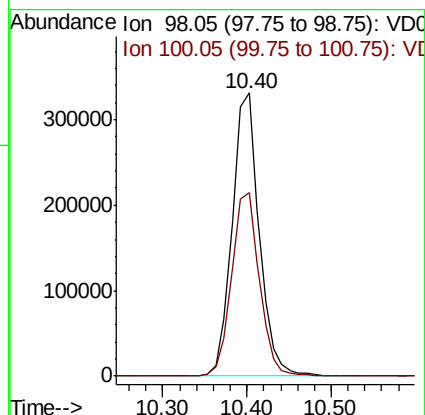
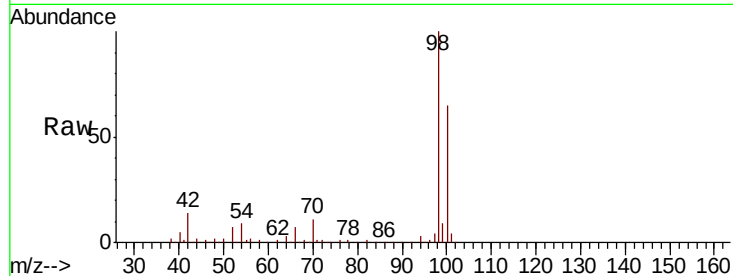




#50
Toluene-d8
Concen: 37.355 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.02 min
Lab File: VD063681.D
Acq: 20 Aug 2019 13:38

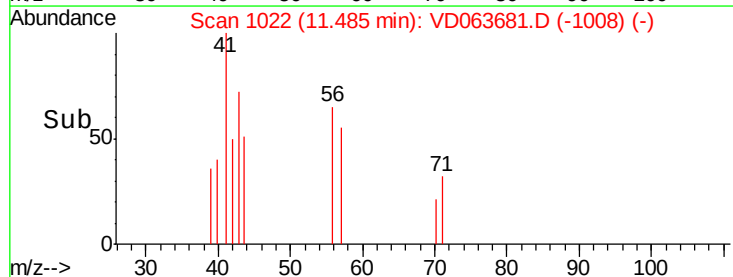
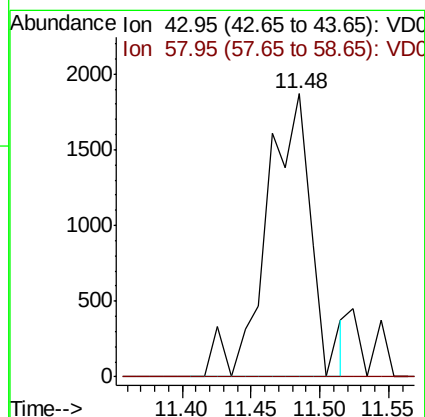
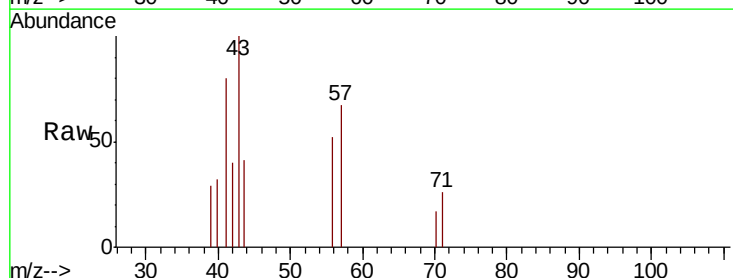
Instrument :
MSVOA_D
ClientSampleId :
T8-C-(0)RE

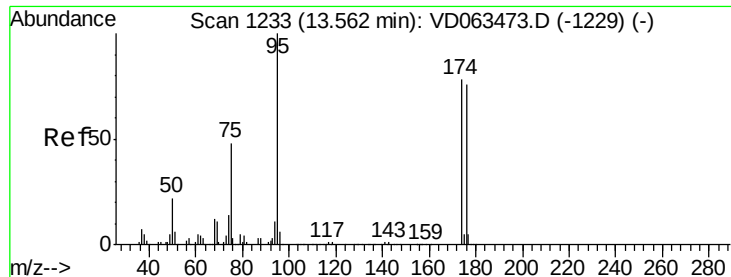
Tgt Ion: 98 Resp: 739387
Ion Ratio Lower Upper
98 100
100 64.7 51.7 77.5



#59
2-Hexanone
Concen: 1.615 ug/l
RT: 11.48 min Scan# 1022
Delta R.T. -0.06 min
Lab File: VD063681.D
Acq: 20 Aug 2019 13:38

Tgt Ion: 43 Resp: 4265
Ion Ratio Lower Upper
43 100
58 0.0 23.1 69.2#





#62

4-Bromofluorobenzene

Concen: 23.679 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. -0.01 min

Lab File: VD063681.D

Acq: 20 Aug 2019 13:38

Instrument :

MSVOA_D

ClientSampleId :

T8-C-(0)RE

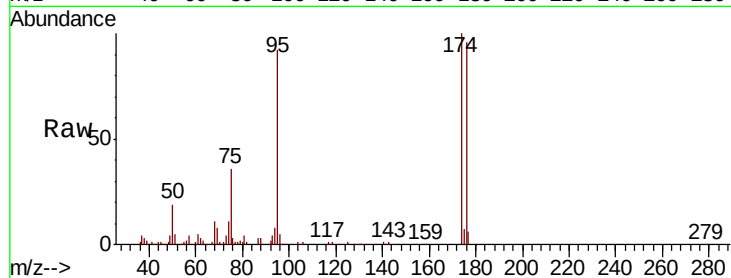
Tgt Ion: 95 Resp: 212433

Ion Ratio Lower Upper

95 100

174 109.0 0.0 155.4

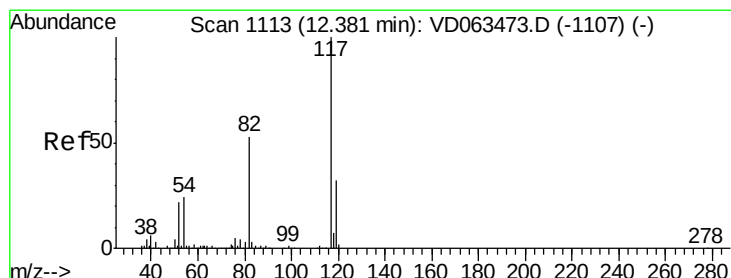
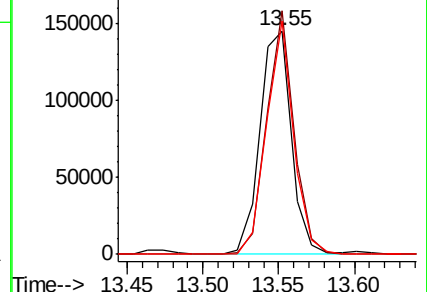
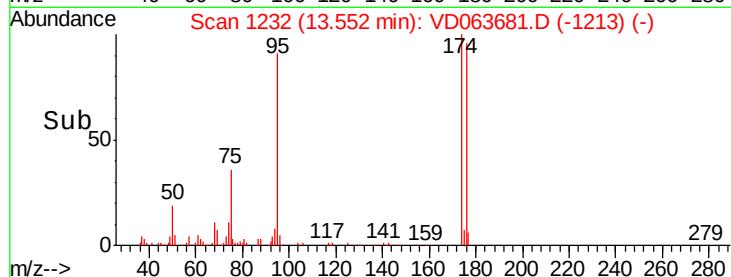
176 104.5 0.0 152.4



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 12.36 min Scan# 1111

Delta R.T. -0.02 min

Lab File: VD063681.D

Acq: 20 Aug 2019 13:38

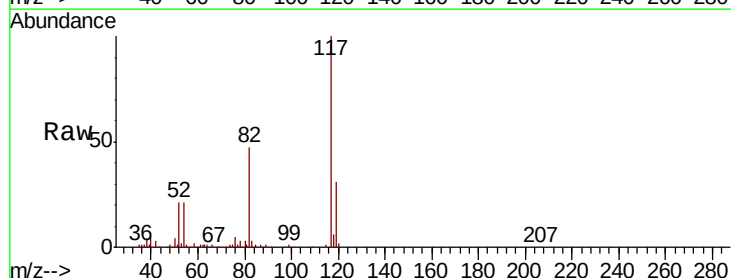
Tgt Ion: 117 Resp: 544935

Ion Ratio Lower Upper

117 100

82 47.4 42.0 63.0

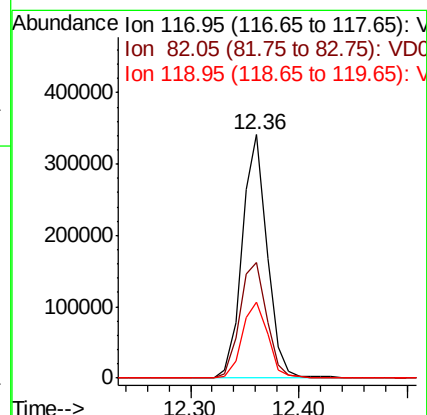
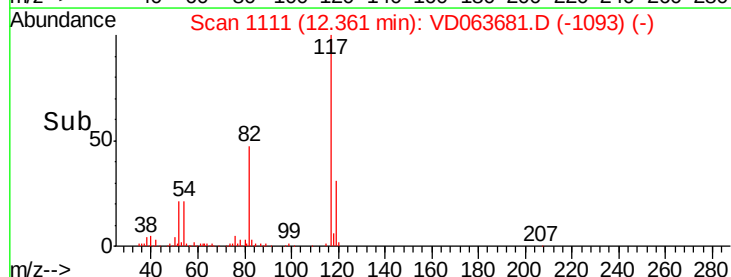
119 31.2 25.4 38.0

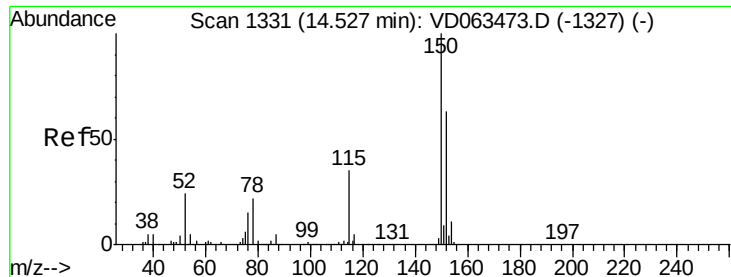


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



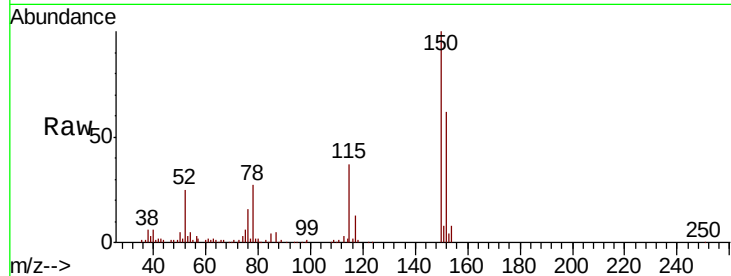


#72

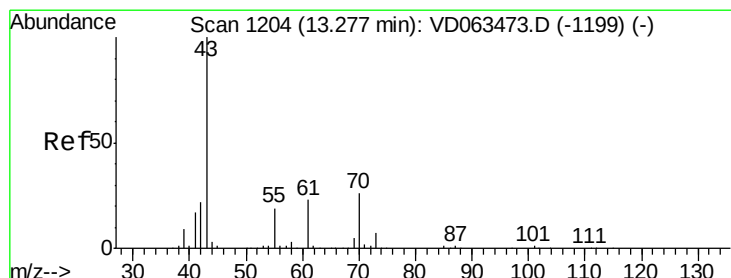
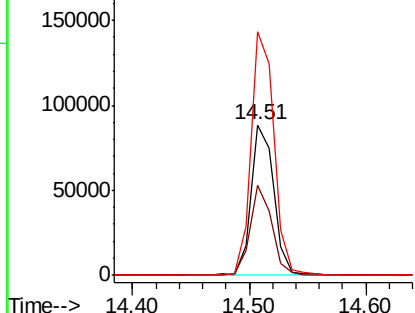
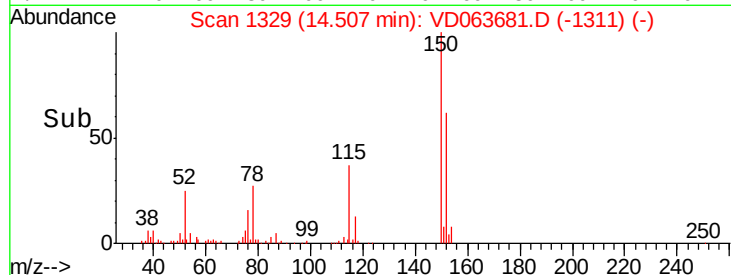
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.02 min
Lab File: VD063681.D
Acq: 20 Aug 2019 13:38

Instrument :
MSVOA_D
ClientSampleId :
T8-C-(0)RE

Tgt Ion:152 Resp: 119405
Ion Ratio Lower Upper
152 100
115 59.7 30.9 92.7
150 162.0 0.0 318.6



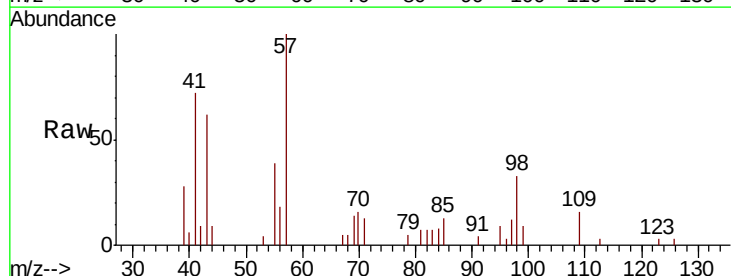
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



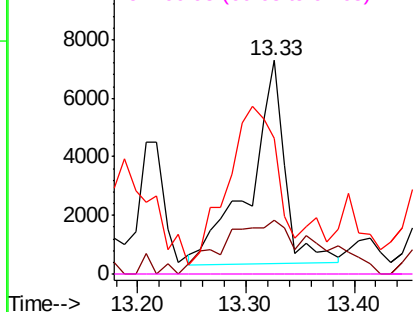
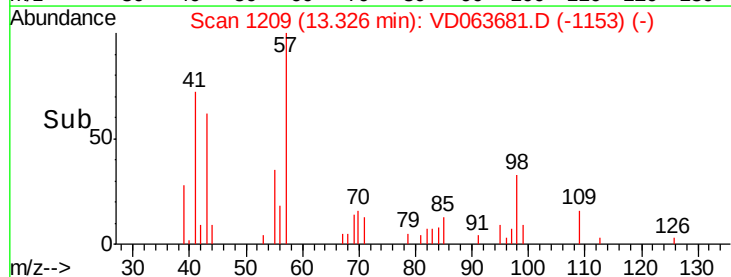
#74

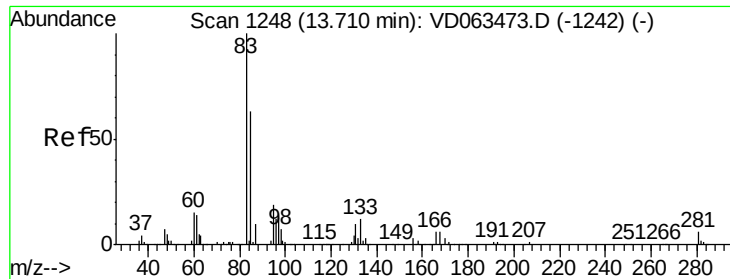
N-amil acetate
Concen: 8.266 ug/l
RT: 13.33 min Scan# 1209
Delta R.T. 0.05 min
Lab File: VD063681.D
Acq: 20 Aug 2019 13:38

Tgt Ion: 43 Resp: 15760
Ion Ratio Lower Upper
43 100
70 25.3 21.1 31.7
55 63.4 15.4 23.0#
61 0.0 18.2 27.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 70.00 (69.70 to 70.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 2.285 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.01 min

Lab File: VD063681.D

Acq: 20 Aug 2019 13:38

Instrument :

MSVOA_D

ClientSampleId :

T8-C-(0)RE

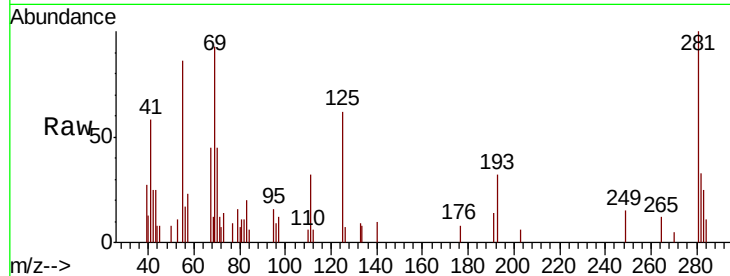
Tgt Ion: 83 Resp: 2880

Ion Ratio Lower Upper

83 100

131 0.0 5.3 15.8#

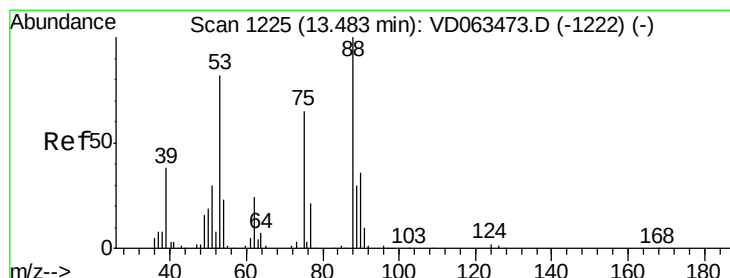
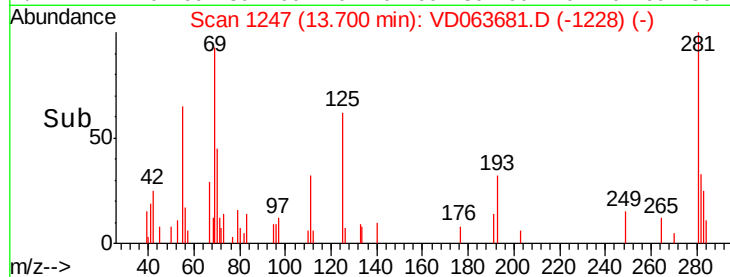
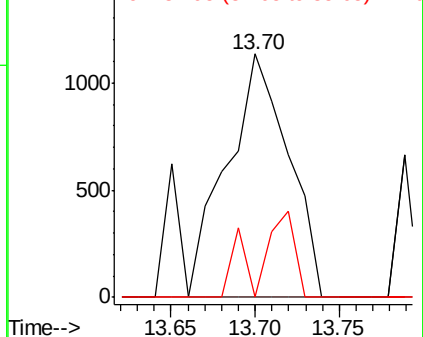
85 0.0 31.4 94.3#



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#81

trans-1,4-Dichloro-2-butene

Concen: 256.752 ug/l

RT: 13.54 min Scan# 1231

Delta R.T. 0.06 min

Lab File: VD063681.D

Acq: 20 Aug 2019 13:38

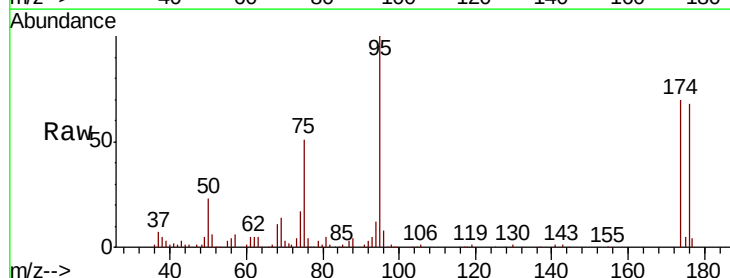
Tgt Ion: 75 Resp: 94567

Ion Ratio Lower Upper

75 100

53 0.7 101.0 151.4#

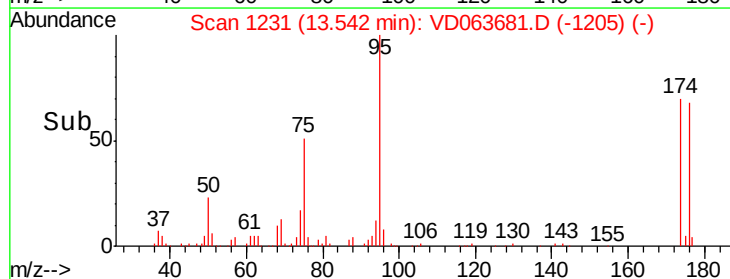
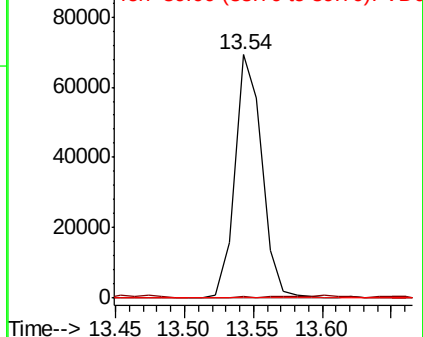
89 0.0 37.0 55.6#

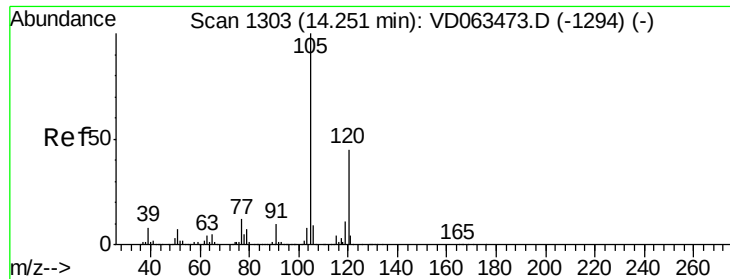


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC

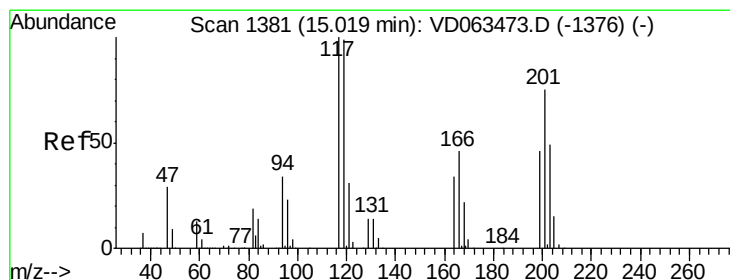
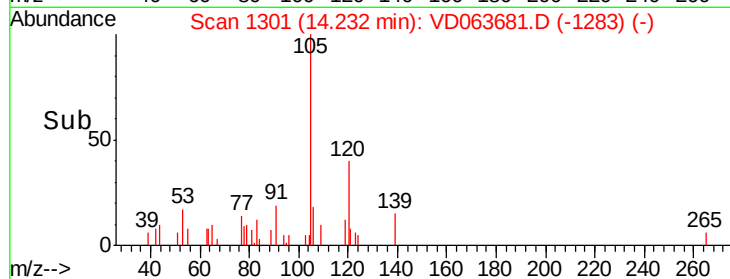
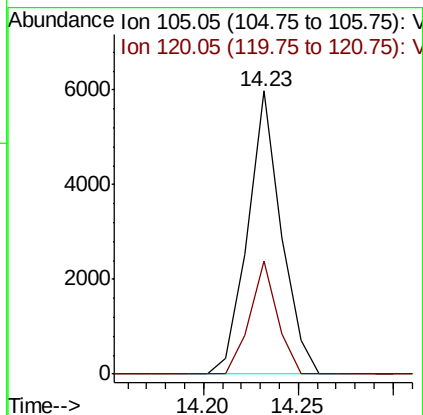
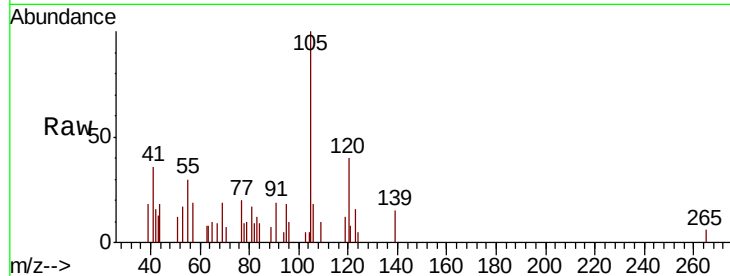




#84
 1,2,4-Trimethylbenzene
 Concen: 1.194 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. -0.02 min
 Lab File: VD063681.D
 Acq: 20 Aug 2019 13:38

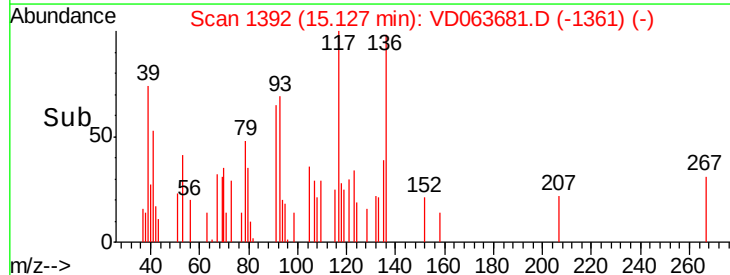
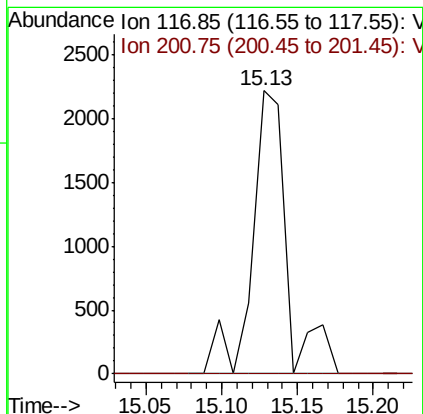
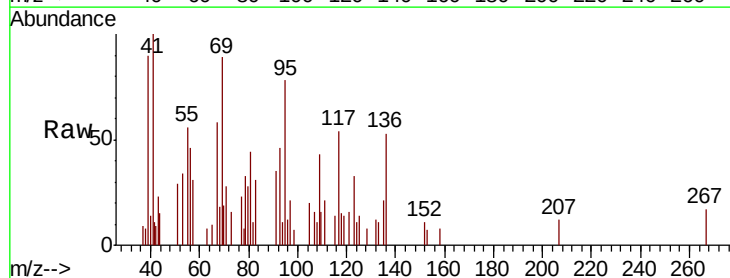
Instrument :
 MSVOA_D
 ClientSampleId :
 T8-C-(0)RE

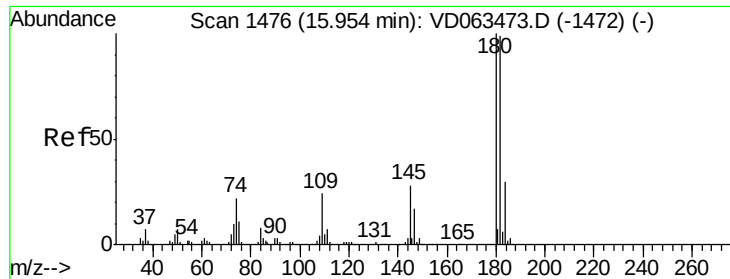
Tgt Ion:105 Resp: 7332
 Ion Ratio Lower Upper
 105 100
 120 39.8 22.7 68.1



#90
 Hexachloroethane
 Concen: 1.993 ug/l
 RT: 15.13 min Scan# 1392
 Delta R.T. 0.11 min
 Lab File: VD063681.D
 Acq: 20 Aug 2019 13:38

Tgt Ion:117 Resp: 3555
 Ion Ratio Lower Upper
 117 100
 201 0.0 37.5 112.5#





#93

1,2,4-Trichlorobenzene

Concen: 1.013 ug/l

RT: 15.94 min Scan# 1475

Delta R.T. -0.01 min

Lab File: VD063681.D

Acq: 20 Aug 2019 13:38

Instrument :

MSVOA_D

ClientSampleId :

T8-C-(0)RE

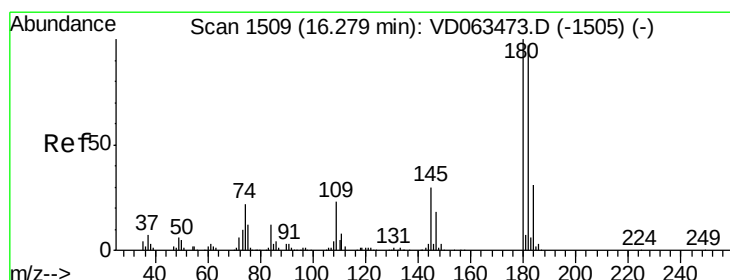
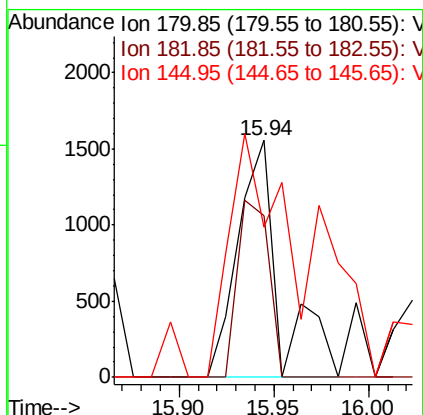
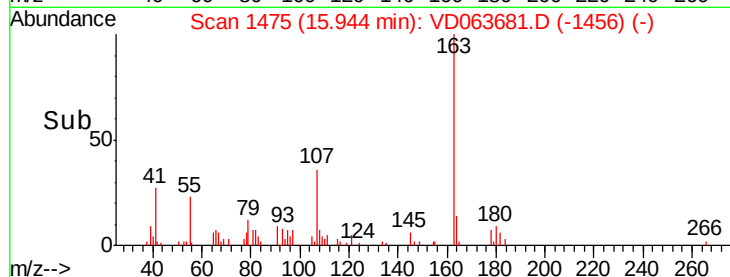
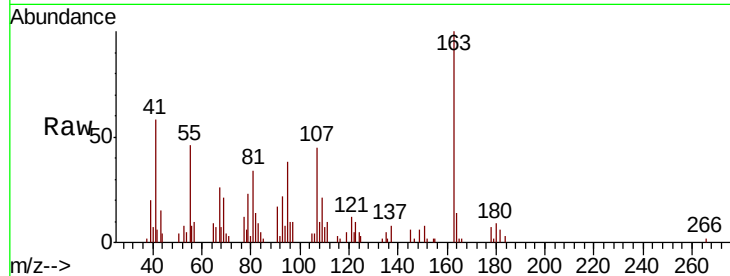
Tgt Ion:180 Resp: 2374

Ion Ratio Lower Upper

180 100

182 68.0 49.7 149.1

145 63.3 14.1 42.2#



#96

1,2,3-Trichlorobenzene

Concen: 1.016 ug/l

RT: 16.26 min Scan# 1507

Delta R.T. -0.02 min

Lab File: VD063681.D

Acq: 20 Aug 2019 13:38

Tgt Ion:180 Resp: 1924

Ion Ratio Lower Upper

180 100

182 52.2 48.4 145.2

145 128.5 14.9 44.9#

