

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081619\
 Data File : VD063644.D
 Acq On : 16 Aug 2019 18:04
 Operator : JC/SY
 Sample : K4389-06
 Misc : 5.39g/5ml/MSVOA D/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 T4-F(0)

Quant Time: Aug 17 06:02:52 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	7.04	168	17728	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	8.21	114	30530	50.00	ug/l	-0.03
63) Chlorobenzene-d5	12.36	117	20062	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	14.52	152	7361	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	16365	86.36	ug/l	-0.03
Spiked Amount			Recovery	=	172.72%	
35) Dibromofluoromethane	6.91	113	14633	56.91	ug/l	-0.03
Spiked Amount			Recovery	=	113.82%	
50) Toluene-d8	10.41	98	22587	39.96	ug/l	0.00
Spiked Amount			Recovery	=	79.92%	
62) 4-Bromofluorobenzene	13.55	95	9096	35.50	ug/l	0.00
Spiked Amount			Recovery	=	71.00%	

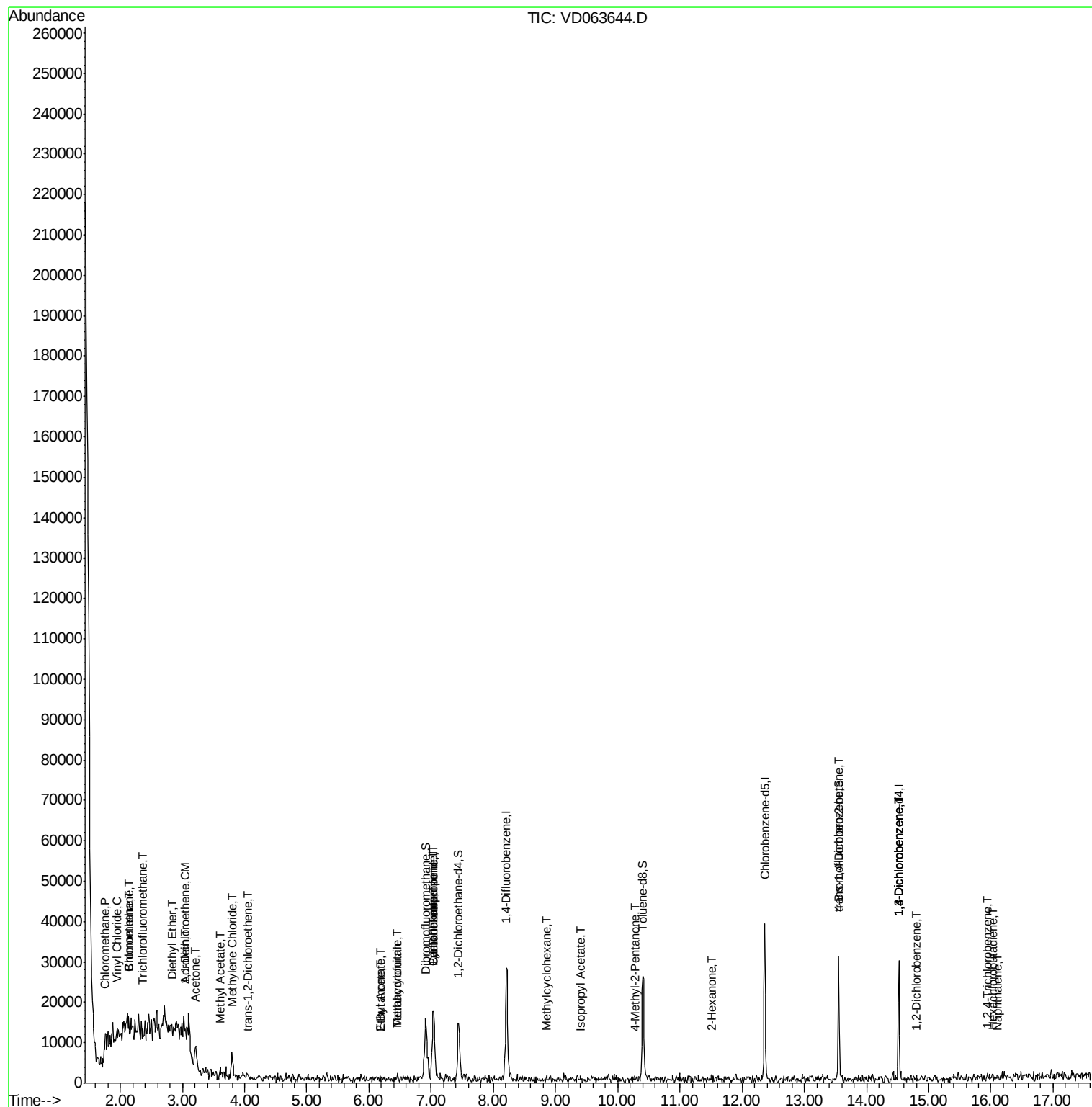
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.76	50	723	4.315	ug/l #	41
4) Vinyl Chloride	1.95	62	199	1.196	ug/l #	42
5) Bromomethane	2.13	94	3737	47.609	ug/l #	11
6) Chloroethane	2.14	64	458	6.021	ug/l #	42
7) Trichlorofluoromethane	2.37	101	403	1.235	ug/l #	17
8) Diethyl Ether	2.83	74	190	4.124	ug/l	79
12) 1,1-Dichloroethene	3.05	96	177	1.236	ug/l #	1
13) Acrolein	3.04	56	219	26.971	ug/l #	18
16) Acetone	3.22	43	12226	317.382	ug/l #	85
18) Methyl Acetate	3.62	43	195	2.673	ug/l #	57
20) Methylene Chloride	3.80	84	3193	19.169	ug/l #	79
21) trans-1,2-Dichloroethene	4.06	96	185	1.227	ug/l #	1
25) 2-Butanone	6.18	43	178	4.679	ug/l #	58
29) Tetrahydrofuran	6.45	42	622	35.086	ug/l #	35
31) Cyclohexane	7.02	56	224	1.309	ug/l #	4
36) 1,1-Dichloropropene	7.03	75	327	1.212	ug/l #	42
37) Ethyl Acetate	6.18	43	178	1.574	ug/l #	73
38) Carbon Tetrachloride	7.04	117	1998	4.912	ug/l #	13
39) Methylcyclohexane	8.85	83	253	1.102	ug/l #	11
41) Methacrylonitrile	6.46	41	454	3.188	ug/l #	37
43) Isopropyl Acetate	9.40	43	210	1.386	ug/l #	48
51) 4-Methyl-2-Pentanone	10.28	43	206	1.988	ug/l #	40
59) 2-Hexanone	11.52	43	216	2.864	ug/l #	30
81) trans-1,4-Dichloro-2-buten	13.55	75	3532	155.554	ug/l #	1
87) 1,3-Dichlorobenzene	14.53	146	235	1.015	ug/l #	35
88) 1,4-Dichlorobenzene	14.53	146	235	1.058	ug/l #	32
91) 1,2-Dichlorobenzene	14.80	146	443	2.256	ug/l #	25
93) 1,2,4-Trichlorobenzene	15.95	180	201	1.391	ug/l #	10
94) Hexachlorobutadiene	16.02	225	229	2.079	ug/l #	19
95) Naphthalene	16.11	128	222	1.014	ug/l #	71

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

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QLast Update : Sat Aug 10 06:42:47 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.03 min

Lab File: VD063644.D

Acq: 16 Aug 2019 18:04

Instrument :

MSVOA_D

ClientSampleId :

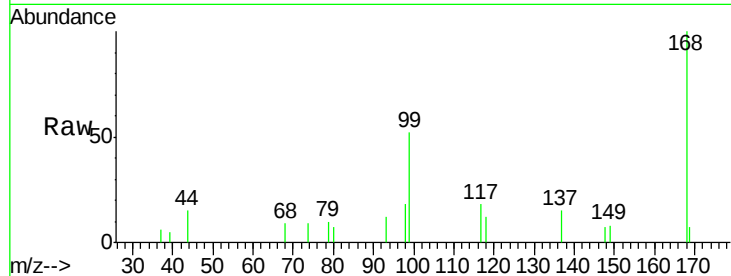
T4-F(0)

Tot Ion:168 Resp: 17728

Ion Ratio Lower Upper

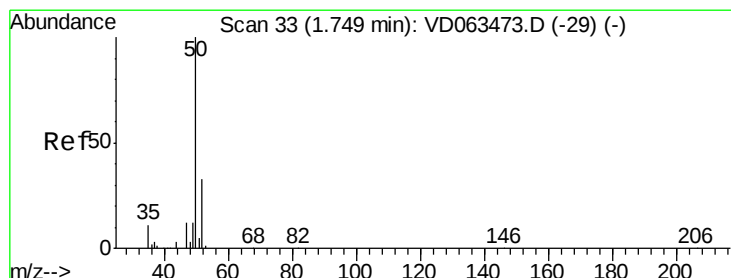
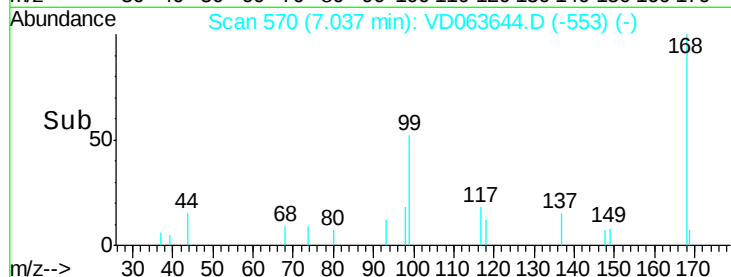
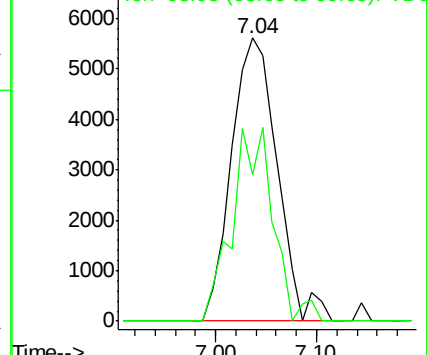
168 100

99 51.6 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#3

Chloromethane

Concen: 4.315 ug/l

RT: 1.76 min Scan# 34

Delta R.T. 0.01 min

Lab File: VD063644.D

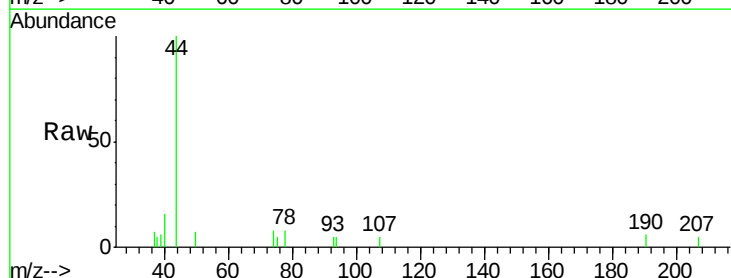
Acq: 16 Aug 2019 18:04

Tgt Ion: 50 Resp: 723

Ion Ratio Lower Upper

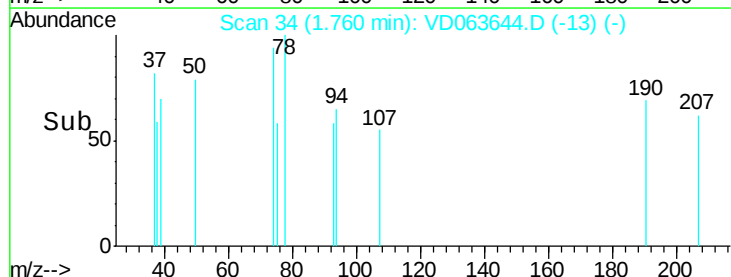
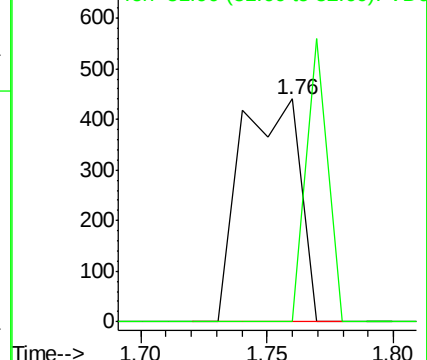
50 100

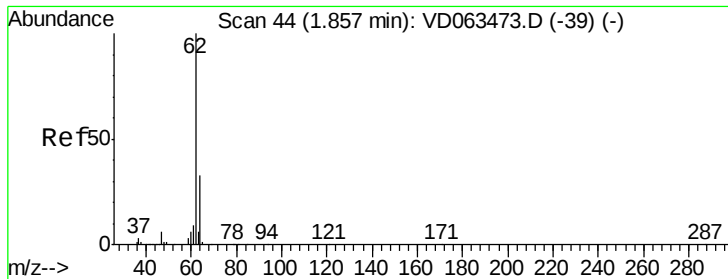
52 0.0 26.6 40.0#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC





#4

Vinyl Chloride

Concen: 1.196 ug/l

RT: 1.95 min Scan# 53

Delta R.T. 0.09 min

Lab File: VD063644.D

Acq: 16 Aug 2019 18:04

Instrument :

MSVOA_D

ClientSampleId :

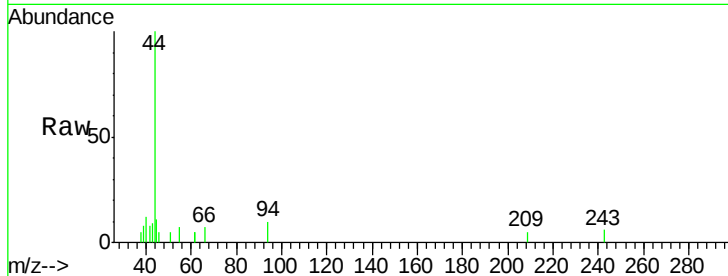
T4-F(0)

Tot Ion: 62 Resp: 199

Ion Ratio Lower Upper

62 100

64 0.0 26.4 39.6#



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.95

300

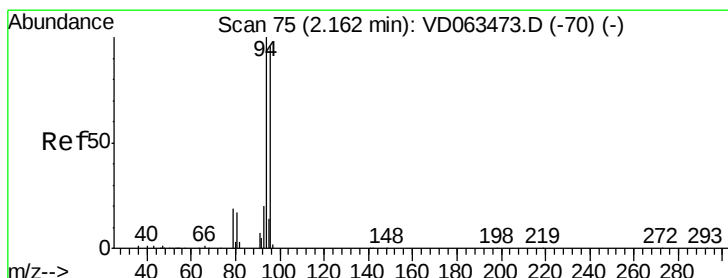
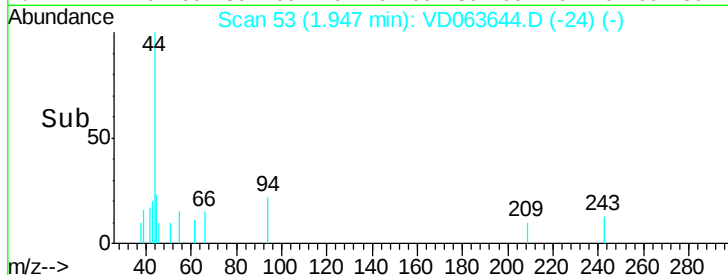
200

100

0

1.92 1.94 1.96 1.98

Time-->



#5

Bromomethane

Concen: 47.609 ug/l

RT: 2.13 min Scan# 72

Delta R.T. -0.03 min

Lab File: VD063644.D

Acq: 16 Aug 2019 18:04

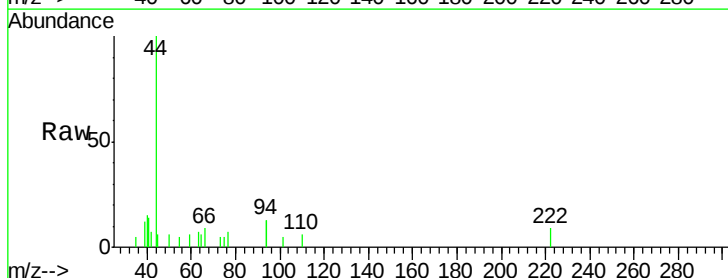
Tgt Ion: 94 Resp: 3737

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

2.13

2000

1500

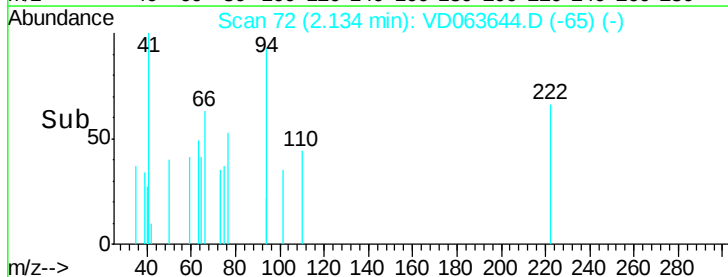
1000

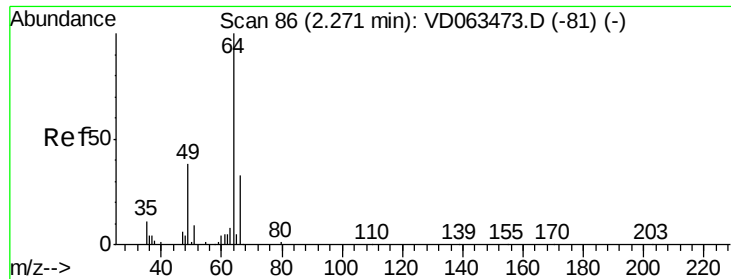
500

0

2.05 2.10 2.15

Time-->





#6

Chloroethane

Concen: 6.021 ug/l

RT: 2.14 min Scan# 73

Delta R.T. -0.13 min

Lab File: VD063644.D

Acq: 16 Aug 2019 18:04

Instrument :

MSVOA_D

ClientSampleId :

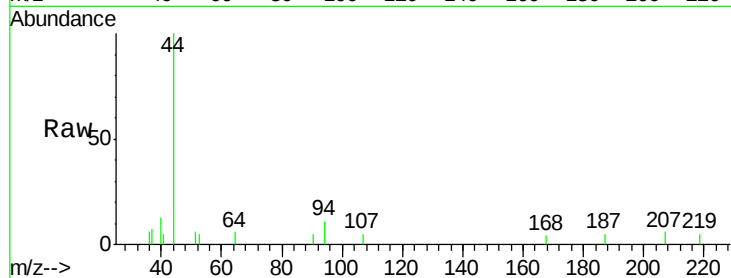
T4-F(0)

Tot Ion: 64 Resp: 458

Ion Ratio Lower Upper

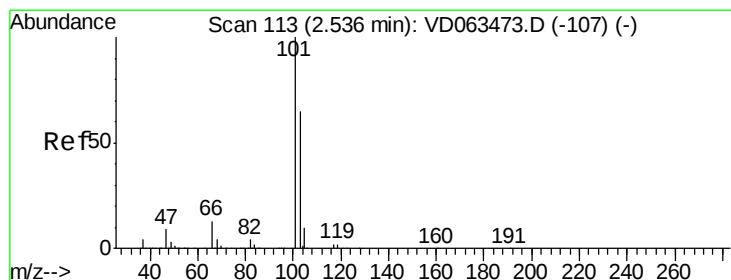
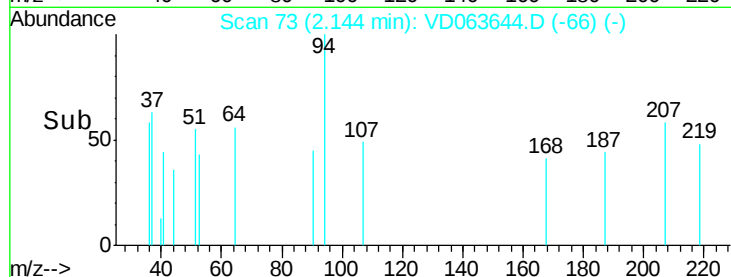
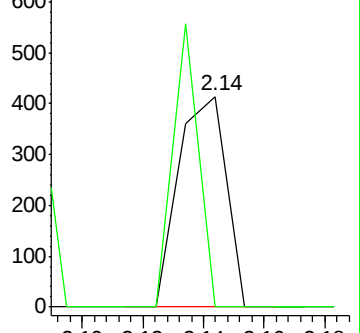
64 100

66 0.0 26.3 39.5#



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



#7

Trichlorofluoromethane

Concen: 1.235 ug/l

RT: 2.37 min Scan# 96

Delta R.T. -0.17 min

Lab File: VD063644.D

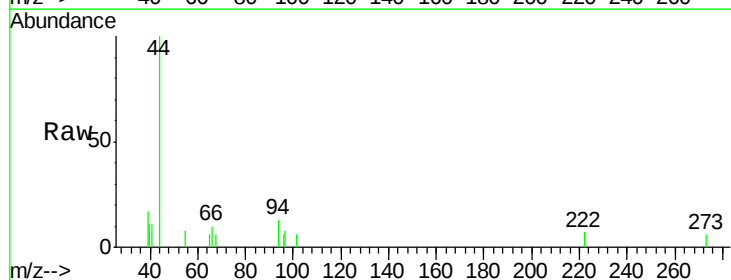
Acq: 16 Aug 2019 18:04

Tgt Ion: 101 Resp: 403

Ion Ratio Lower Upper

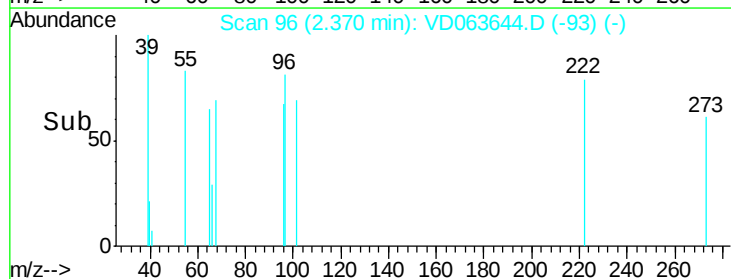
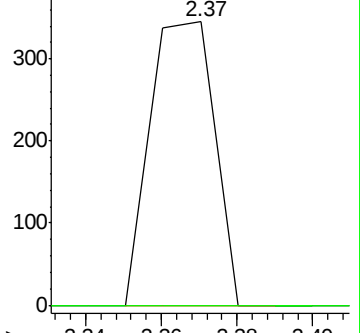
101 100

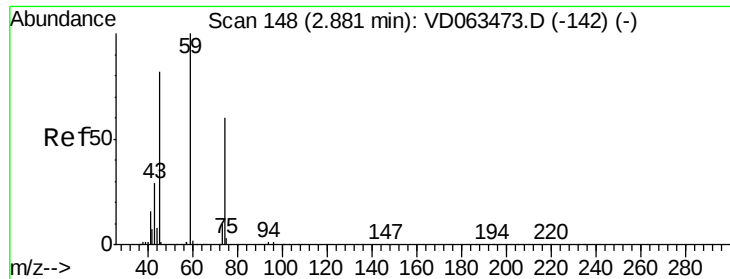
103 0.0 52.2 78.4#



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V





#8

Diethyl Ether

Concen: 4.124 ug/l

RT: 2.83 min Scan# 143

Delta R.T. -0.05 min

Lab File: VD063644.D

Acq: 16 Aug 2019 18:04

Instrument :

MSVOA_D

ClientSampleId :

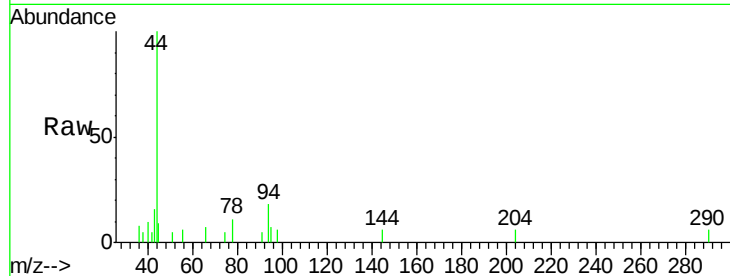
T4-F(0)

Tot Ion: 74 Resp: 190

Ion Ratio Lower Upper

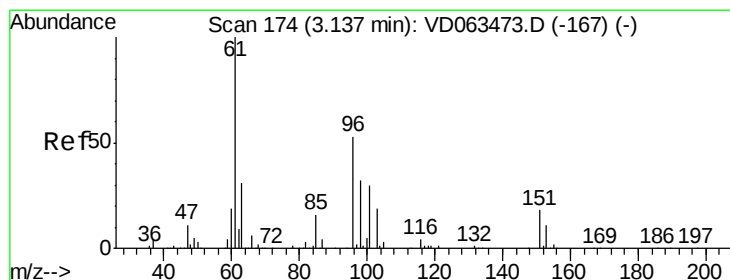
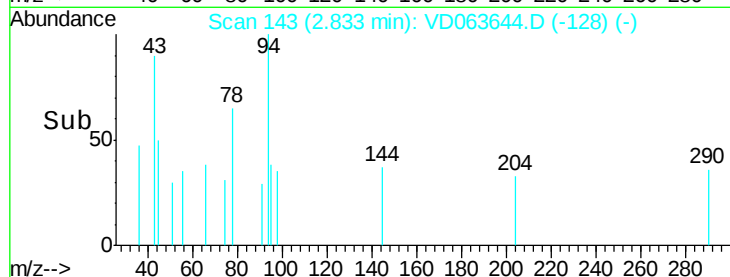
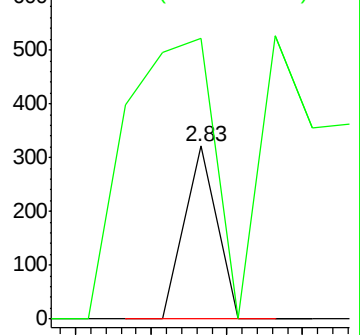
74 100

45 162.3 68.5 205.5



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC



#12

1,1-Dichloroethene

Concen: 1.236 ug/l

RT: 3.05 min Scan# 165

Delta R.T. -0.09 min

Lab File: VD063644.D

Acq: 16 Aug 2019 18:04

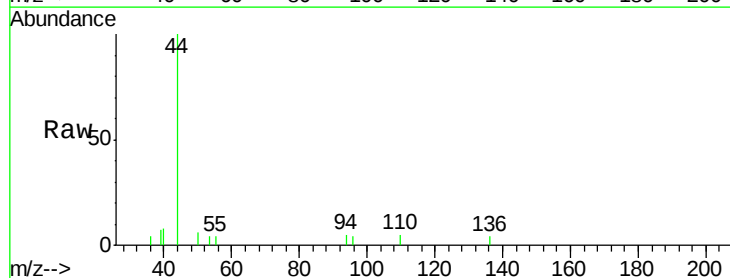
Tgt Ion: 96 Resp: 177

Ion Ratio Lower Upper

96 100

61 0.0 151.7 227.5#

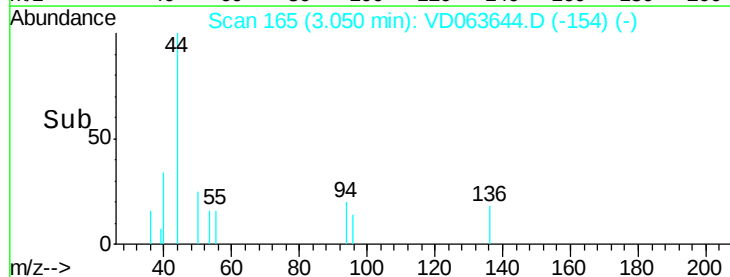
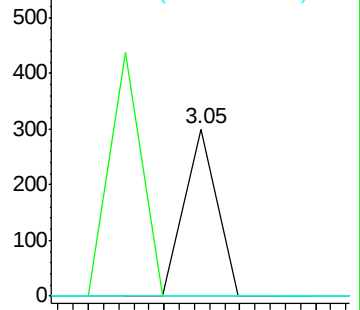
98 0.0 48.4 72.6#

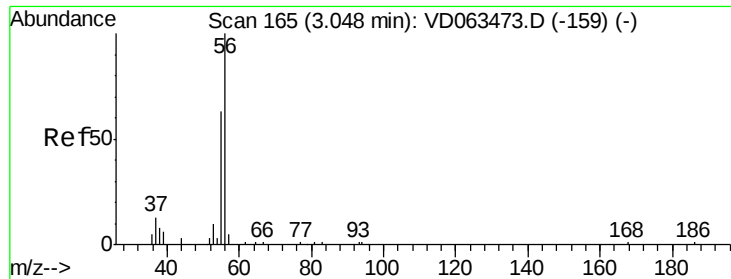


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#13

Acrolein

Concen: 26.971 ug/l

RT: 3.04 min Scan# 164

Delta R.T. -0.01 min

Lab File: VD063644.D

Acq: 16 Aug 2019 18:04

Instrument :

MSVOA_D

ClientSampleId :

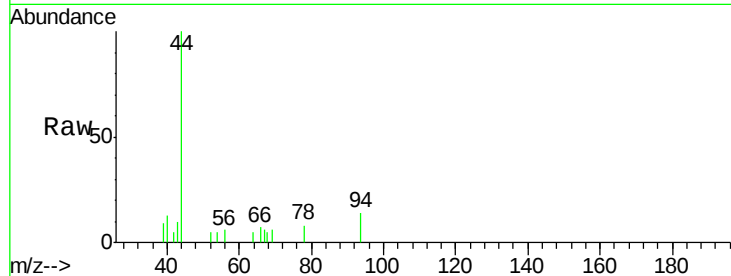
T4-F(0)

Tot Ion: 56 Resp: 219

Ion Ratio Lower Upper

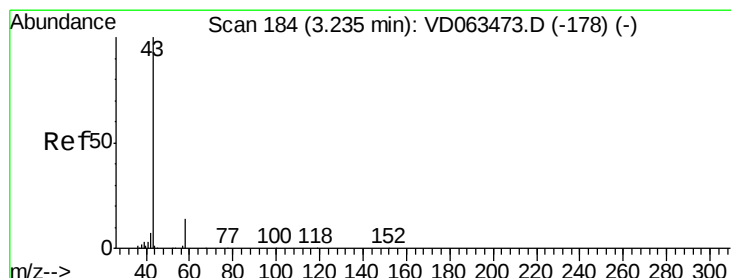
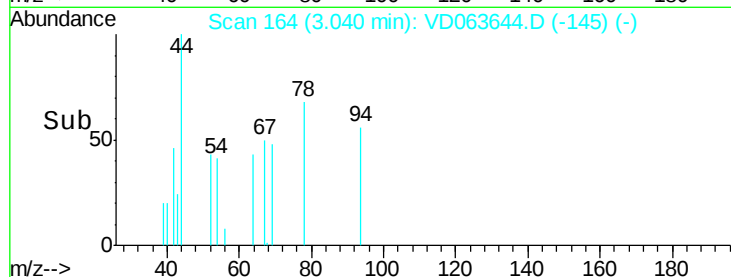
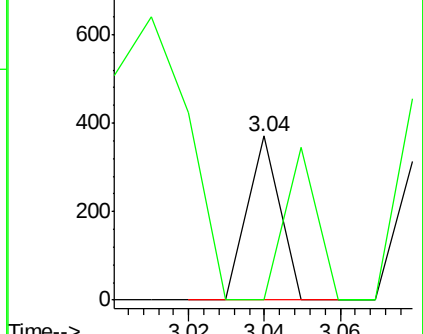
56 100

55 0.0 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: 317.382 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.02 min

Lab File: VD063644.D

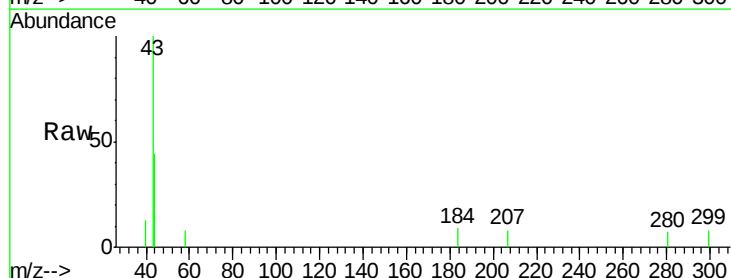
Acq: 16 Aug 2019 18:04

Tgt Ion: 43 Resp: 12226

Ion Ratio Lower Upper

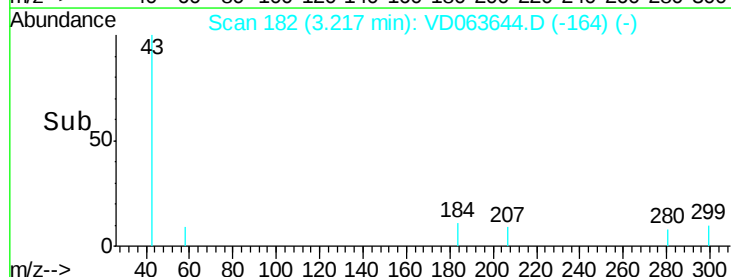
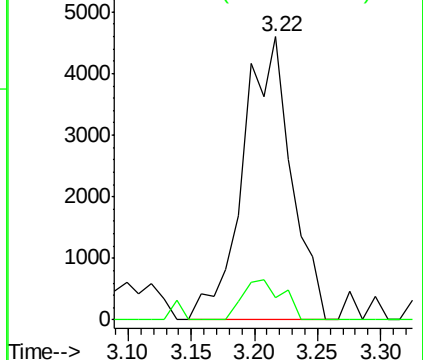
43 100

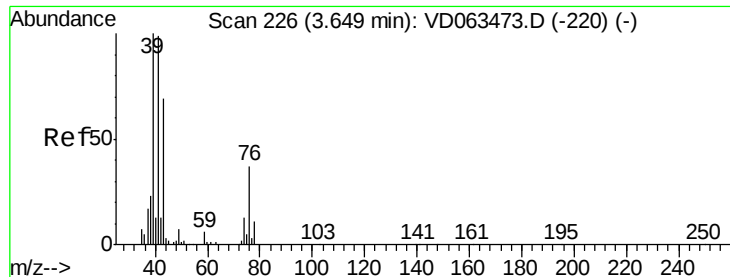
58 8.0 11.4 17.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

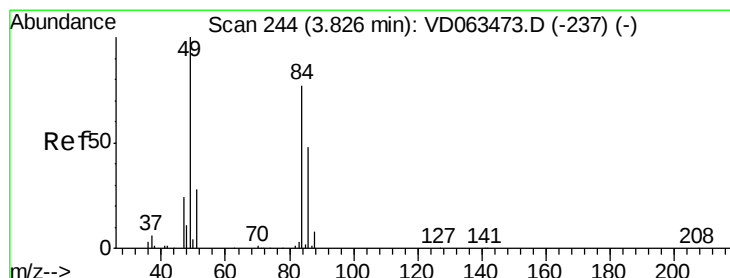
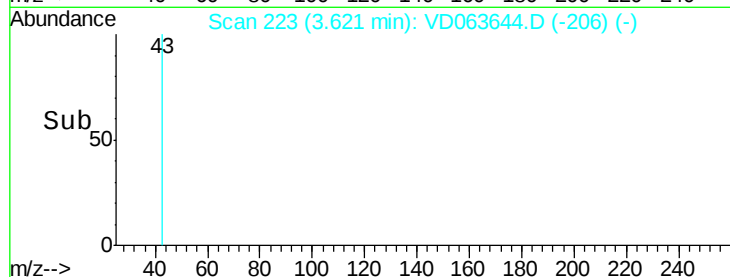
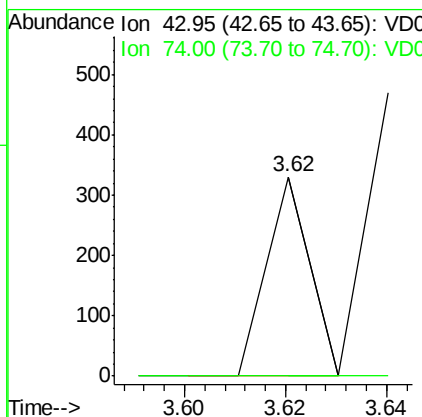
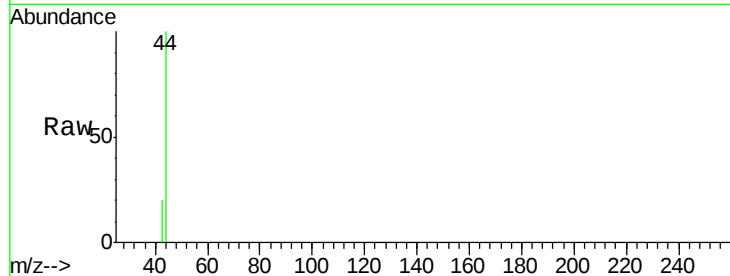




#18
Methyl Acetate
Concen: 2.673 ug/l
RT: 3.62 min Scan# 223
Delta R.T. -0.03 min
Lab File: VD063644.D
Acq: 16 Aug 2019 18:04

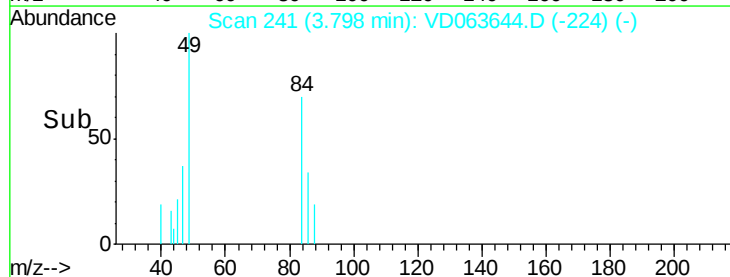
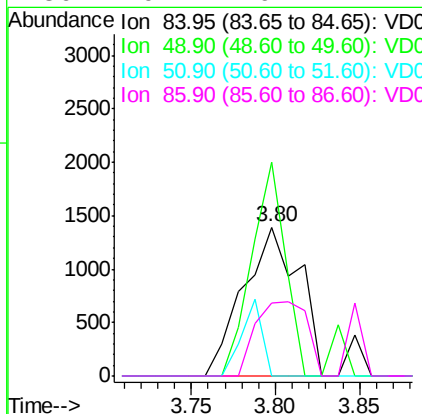
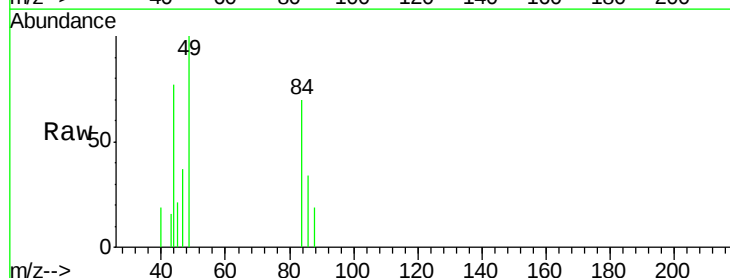
Instrument :
MSVOA_D
ClientSampled :
T4-F(0)

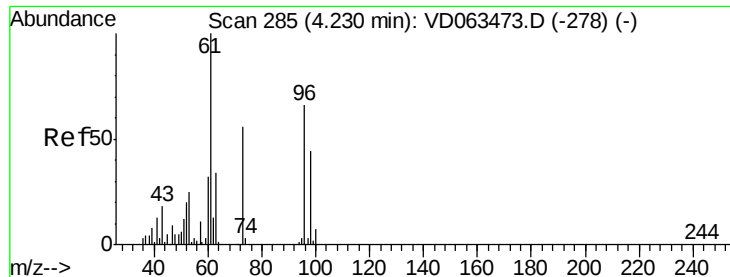
Tot Ion: 43 Resp: 195
Ion Ratio Lower Upper
43 100
74 0.0 15.4 23.2#



#20
Methylene Chloride
Concen: 19.169 ug/l
RT: 3.80 min Scan# 241
Delta R.T. -0.03 min
Lab File: VD063644.D
Acq: 16 Aug 2019 18:04

Tgt Ion: 84 Resp: 3193
Ion Ratio Lower Upper
84 100
49 143.7 103.4 155.2
51 0.0 28.5 42.7#
86 49.1 49.4 74.2#





#21

trans-1,2-Dichloroethene

Concen: 1.227 ug/l

RT: 4.06 min Scan# 268

Delta R.T. -0.17 min

Lab File: VD063644.D

Acq: 16 Aug 2019 18:04

Instrument :

MSVOA_D

ClientSampleId :

T4-F(0)

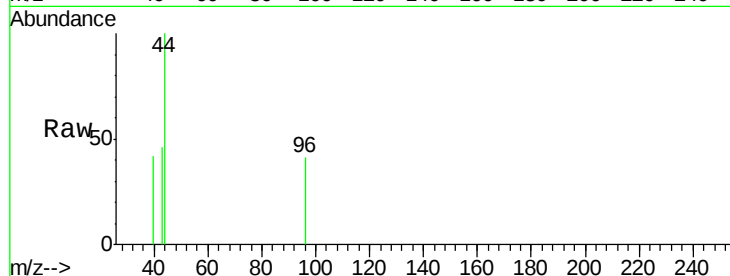
Tot Ion: 96 Resp: 185

Ion Ratio Lower Upper

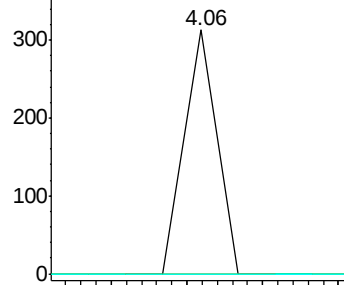
96 100

61 0.0 121.7 182.5#

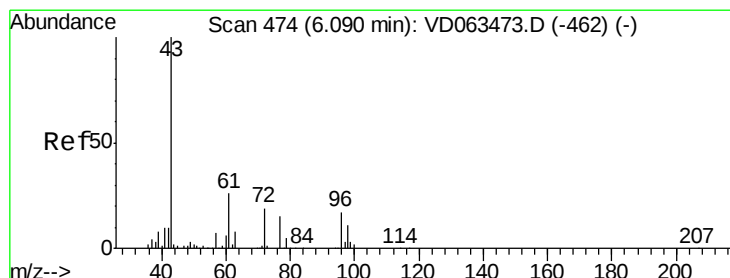
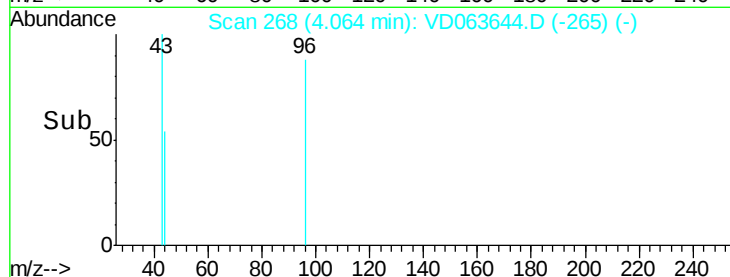
98 0.0 54.2 81.2#



Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



Time-->



#25

2-Butanone

Concen: 4.679 ug/l

RT: 6.18 min Scan# 483

Delta R.T. 0.09 min

Lab File: VD063644.D

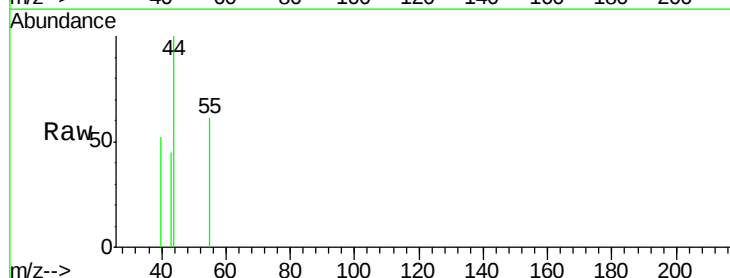
Acq: 16 Aug 2019 18:04

Tgt Ion: 43 Resp: 178

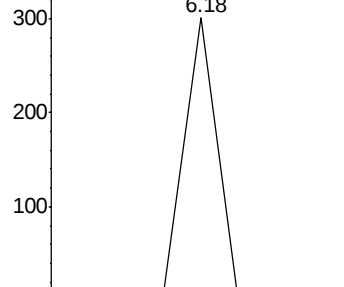
Ion Ratio Lower Upper

43 100

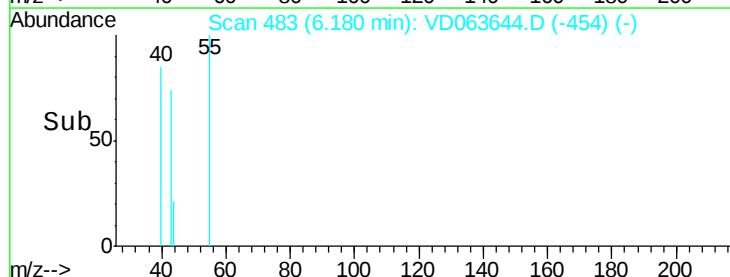
72 0.0 15.1 22.7#

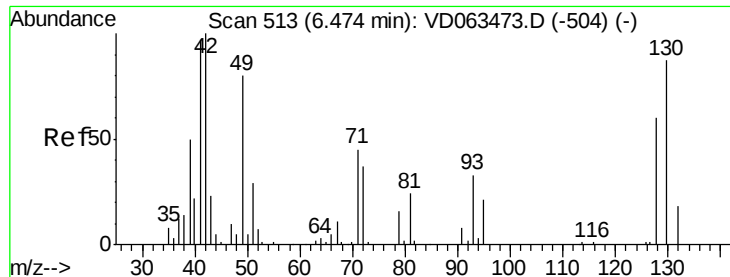


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC



Time-->





#29

Tetrahydrofuran

Concen: 35.086 ug/l

RT: 6.45 min Scan# 510

Delta R.T. -0.03 min

Lab File: VD063644.D

Acq: 16 Aug 2019 18:04

Instrument :

MSVOA_D

ClientSampleId :

T4-F(0)

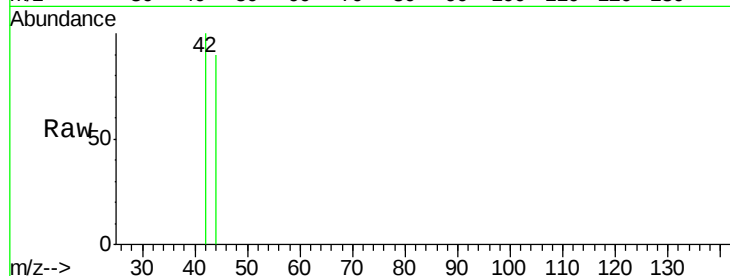
Tot Ion: 42 Resp: 622

Ion Ratio Lower Upper

42 100

72 0.0 31.5 47.3#

71 0.0 33.8 50.8#



Abundance Ion 42.00 (41.70 to 42.70): VDC

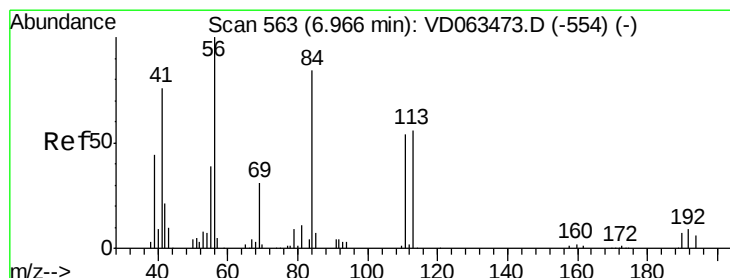
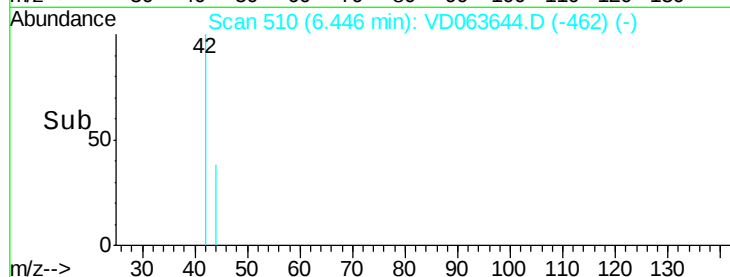
Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

6.45

6.42 6.44 6.46 6.48

Time-->



#31

Cyclohexane

Concen: 1.309 ug/l

RT: 7.02 min Scan# 568

Delta R.T. 0.05 min

Lab File: VD063644.D

Acq: 16 Aug 2019 18:04

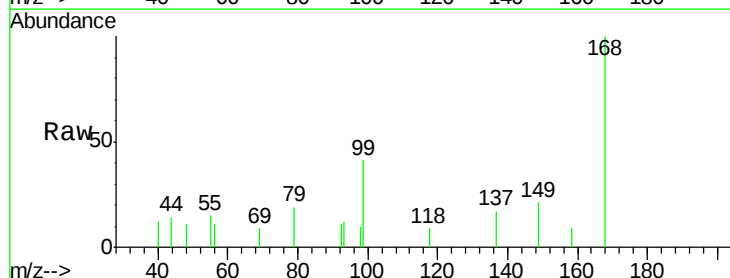
Tgt Ion: 56 Resp: 224

Ion Ratio Lower Upper

56 100

69 86.3 25.0 37.6#

84 0.0 69.7 104.5#



Abundance Ion 55.95 (55.65 to 56.65): VDC

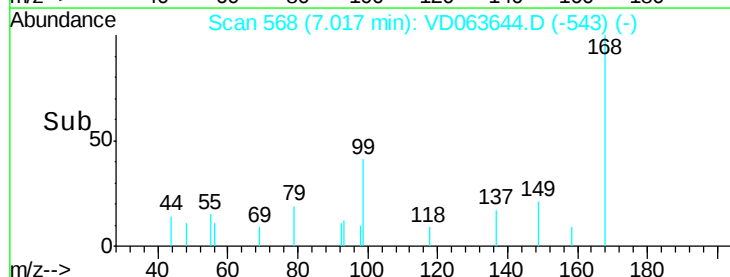
Ion 69.00 (68.70 to 69.70): VDC

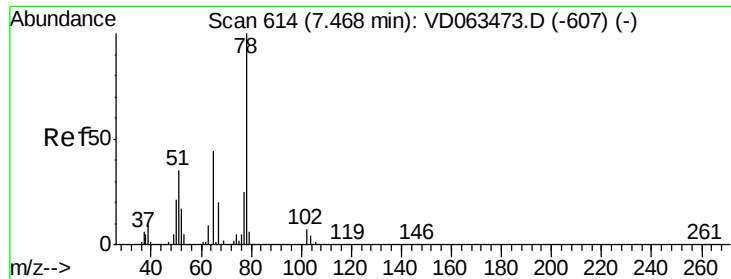
Ion 84.05 (83.75 to 84.75): VDC

7.02

6.98 7.00 7.02 7.04

Time-->





#33

1,2-Dichloroethane-d4

Concen: 86.359 ug/l

RT: 7.44 min Scan# 611

Delta R.T. -0.03 min

Lab File: VD063644.D

Acq: 16 Aug 2019 18:04

Instrument :

MSVOA_D

ClientSampleId :

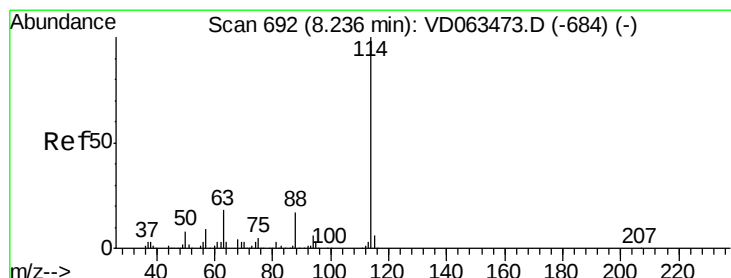
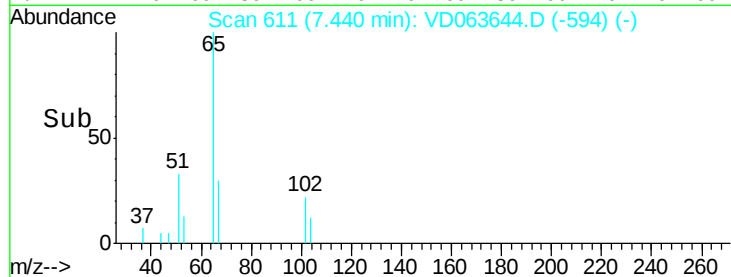
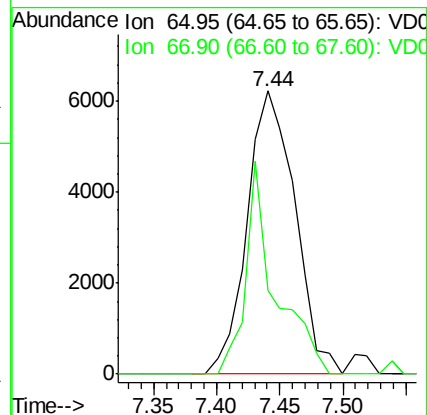
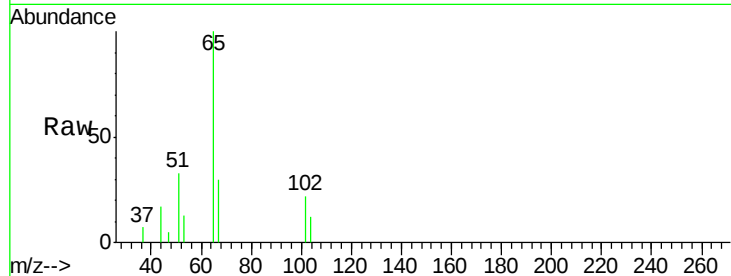
T4-F(0)

Tot Ion: 65 Resp: 16365

Ion Ratio Lower Upper

65 100

67 29.8 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: VD063644.D

Acq: 16 Aug 2019 18:04

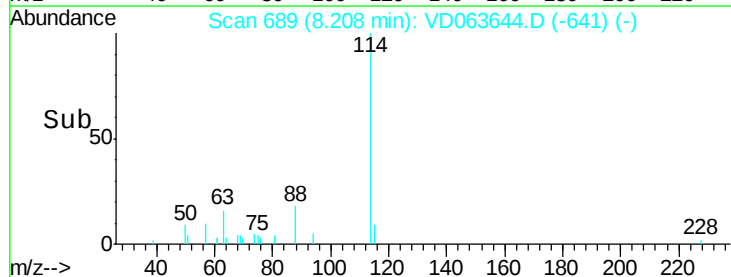
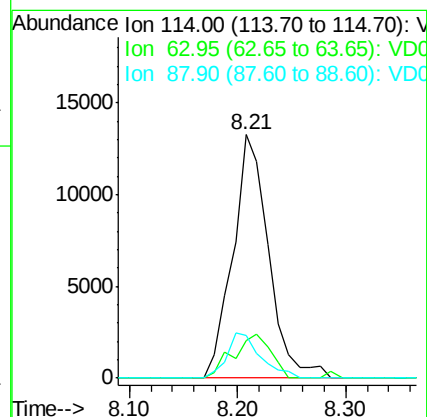
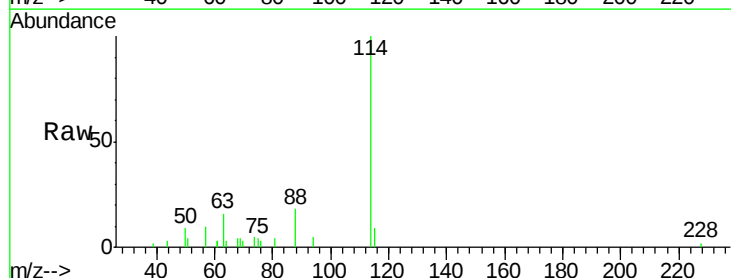
Tgt Ion: 114 Resp: 30530

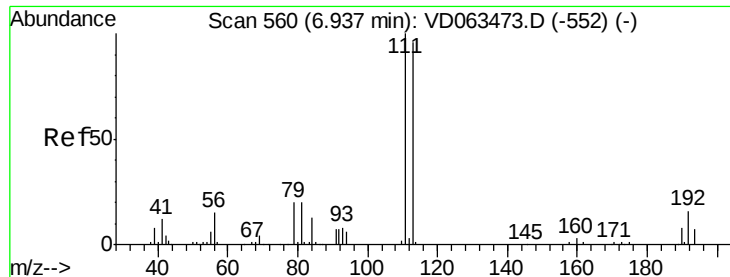
Ion Ratio Lower Upper

114 100

63 15.6 0.0 36.2

88 17.8 0.0 35.0





#35

Dibromofluoromethane

Concen: 56.910 ug/l

RT: 6.91 min Scan# 557

Delta R.T. -0.03 min

Lab File: VD063644.D

Acq: 16 Aug 2019 18:04

Instrument :
MSVOA_D
ClientSampleId :
T4-F(0)

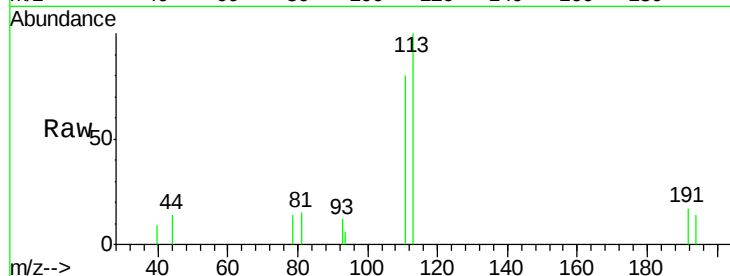
Tot Ion:113 Resp: 14633

Ion Ratio Lower Upper

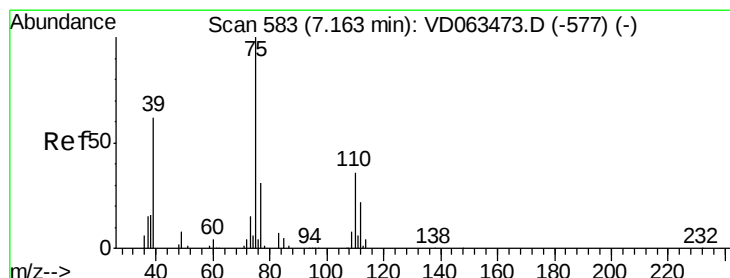
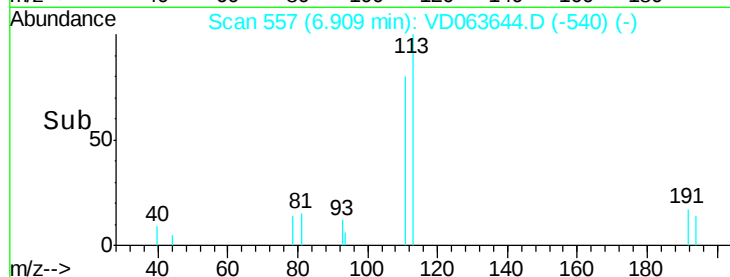
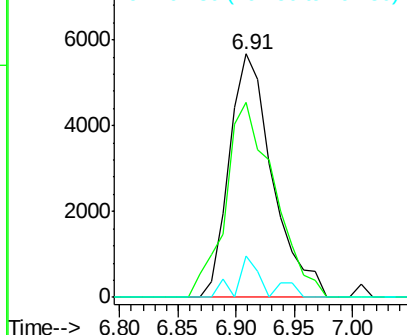
113 100

111 80.1 83.1 124.7#

192 16.9 13.1 19.7



Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 1.212 ug/l

RT: 7.03 min Scan# 569

Delta R.T. -0.14 min

Lab File: VD063644.D

Acq: 16 Aug 2019 18:04

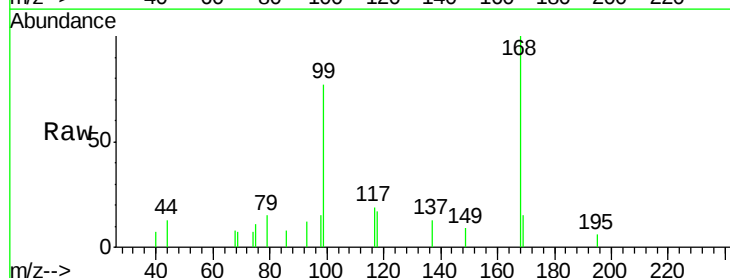
Tgt Ion: 75 Resp: 327

Ion Ratio Lower Upper

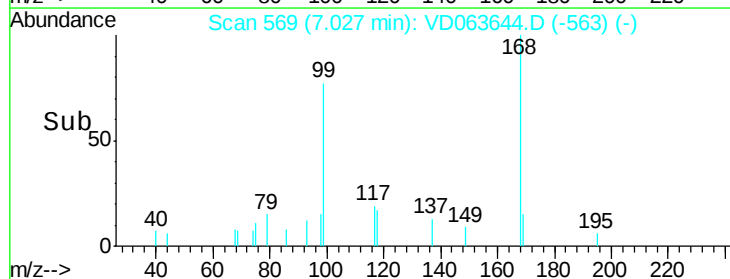
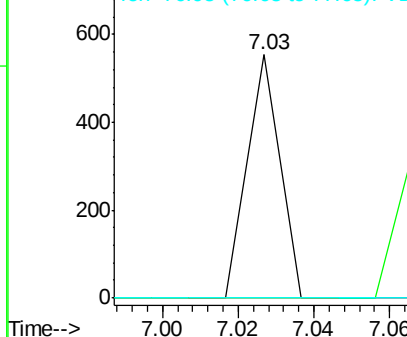
75 100

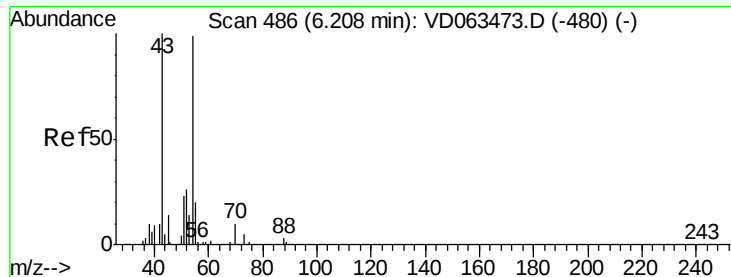
110 0.0 17.6 52.8#

77 0.0 24.3 36.5#



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): VDC





#37

Ethyl Acetate

Concen: 1.574 ug/l

RT: 6.18 min Scan# 483

Delta R.T. -0.03 min

Lab File: VD063644.D

Acq: 16 Aug 2019 18:04

Instrument :

MSVOA_D

ClientSampleId :

T4-F(0)

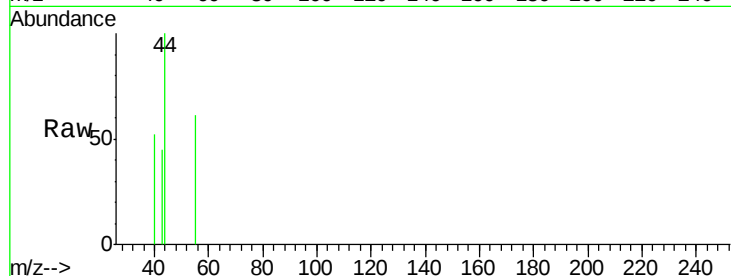
Tot Ion: 43 Resp: 178

Ion Ratio Lower Upper

43 100

61 0.0 9.0 13.6#

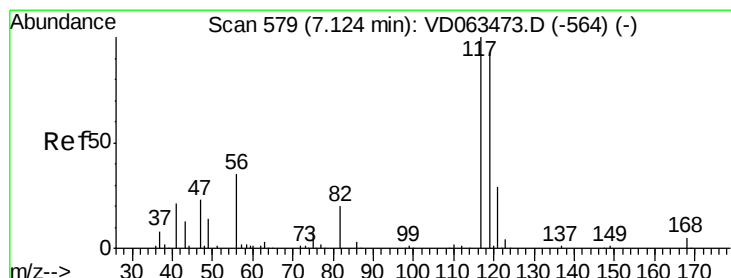
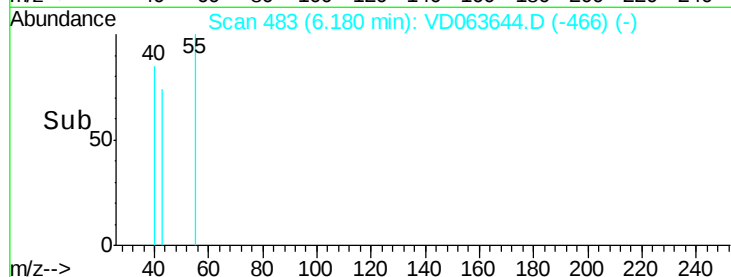
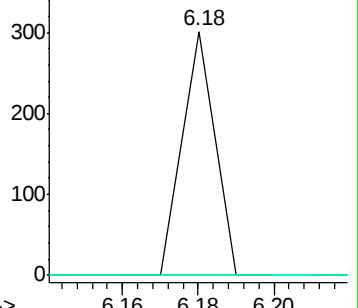
70 0.0 6.9 10.3#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 4.912 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.09 min

Lab File: VD063644.D

Acq: 16 Aug 2019 18:04

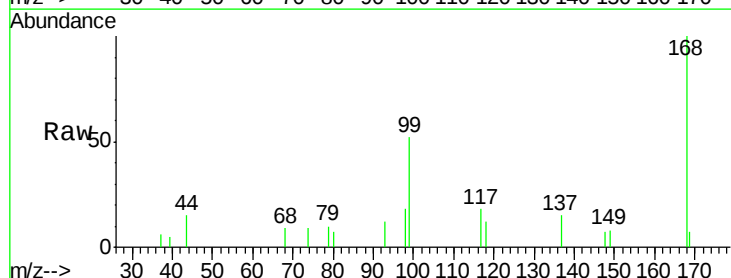
Tgt Ion: 117 Resp: 1998

Ion Ratio Lower Upper

117 100

119 0.0 74.2 111.2#

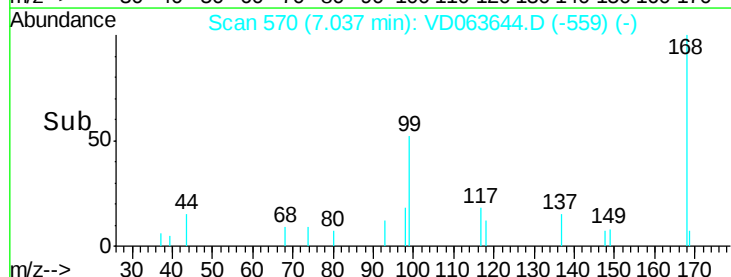
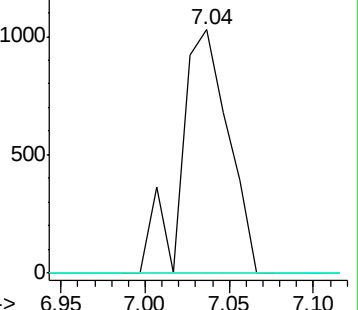
121 0.0 23.1 34.7#

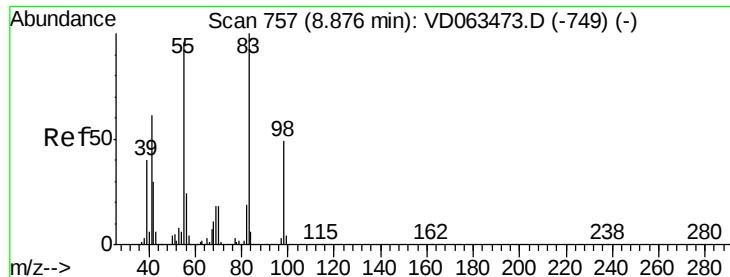


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V





#39

Methylcyclohexane

Concen: 1.102 ug/l

RT: 8.85 min Scan# 754

Delta R.T. -0.03 min

Lab File: VD063644.D

Acq: 16 Aug 2019 18:04

Instrument :

MSVOA_D

ClientSampleId :

T4-F(0)

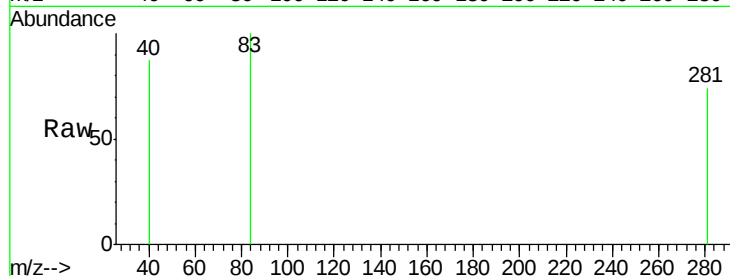
Tot Ion: 83 Resp: 253

Ion Ratio Lower Upper

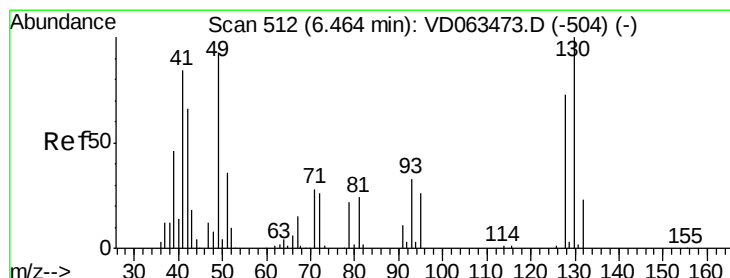
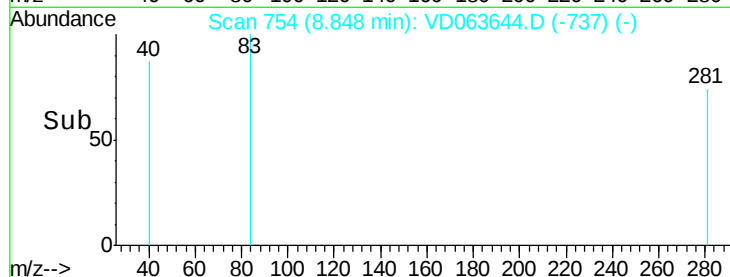
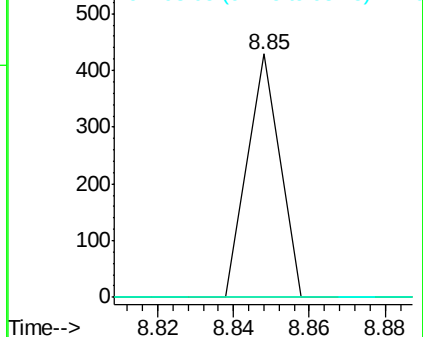
83 100

55 0.0 76.6 114.8#

98 0.0 39.4 59.0#



Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC



#41

Methacrylonitrile

Concen: 3.188 ug/l

RT: 6.46 min Scan# 511

Delta R.T. -0.01 min

Lab File: VD063644.D

Acq: 16 Aug 2019 18:04

Tgt Ion: 41 Resp: 454

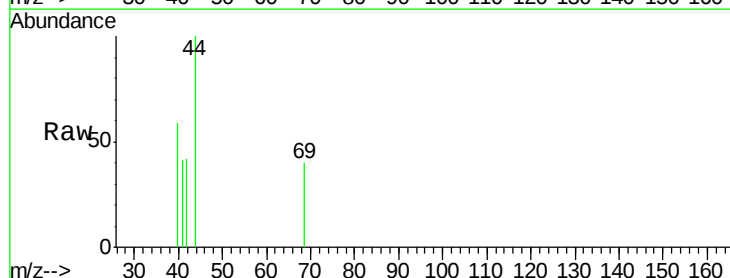
Ion Ratio Lower Upper

41 100

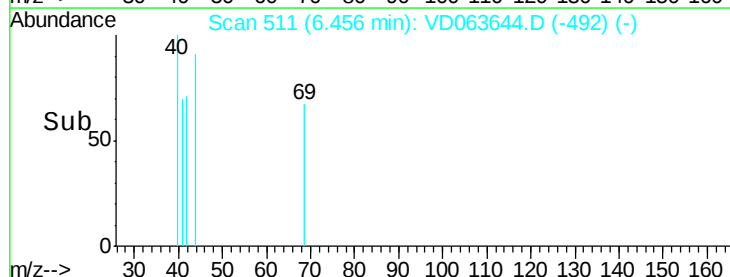
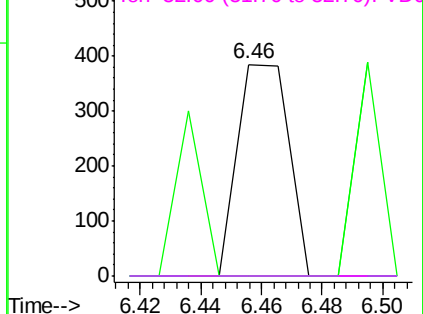
39 0.0 44.6 66.8#

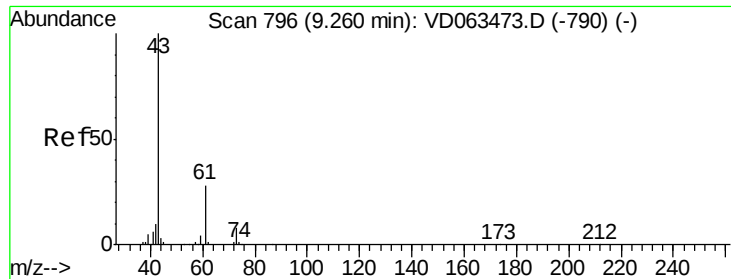
67 0.0 14.4 21.6#

52 0.0 9.3 13.9#



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC





#43

Isopropyl Acetate

Concen: 1.386 ug/l

RT: 9.40 min Scan# 810

Delta R.T. 0.14 min

Lab File: VD063644.D

Acq: 16 Aug 2019 18:04

Instrument :

MSVOA_D

ClientSampleId :

T4-F(0)

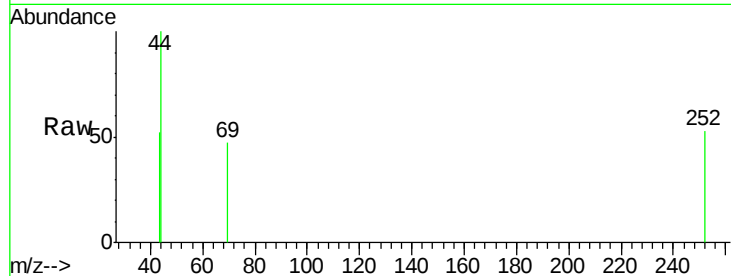
Tot Ion: 43 Resp: 210

Ion Ratio Lower Upper

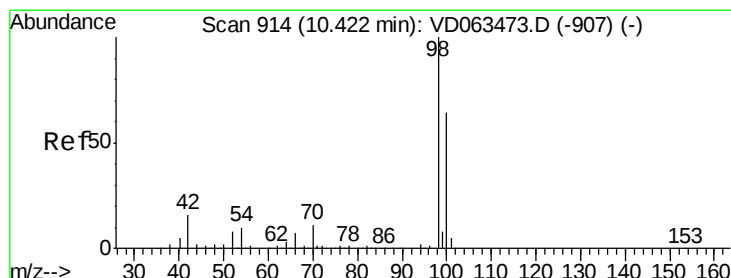
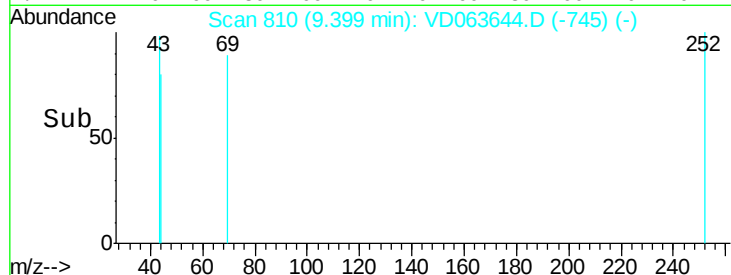
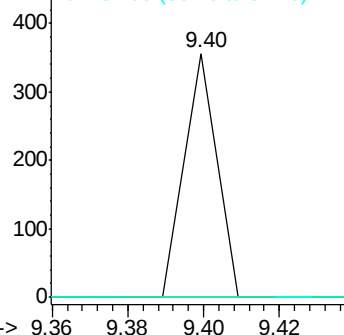
43 100

61 0.0 22.2 33.2#

87 0.0 0.2 0.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 87.00 (86.70 to 87.70): VDC



#50

Toluene-d8

Concen: 39.956 ug/l

RT: 10.41 min Scan# 913

Delta R.T. -0.01 min

Lab File: VD063644.D

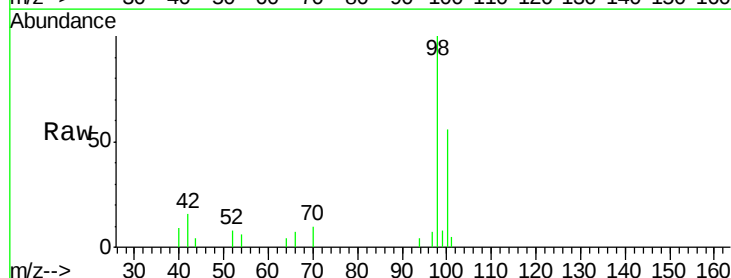
Acq: 16 Aug 2019 18:04

Tgt Ion: 98 Resp: 22587

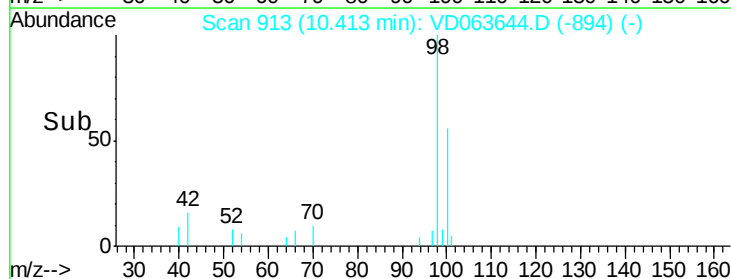
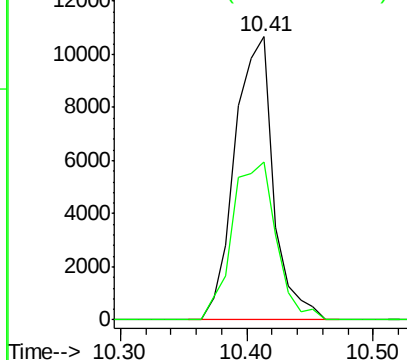
Ion Ratio Lower Upper

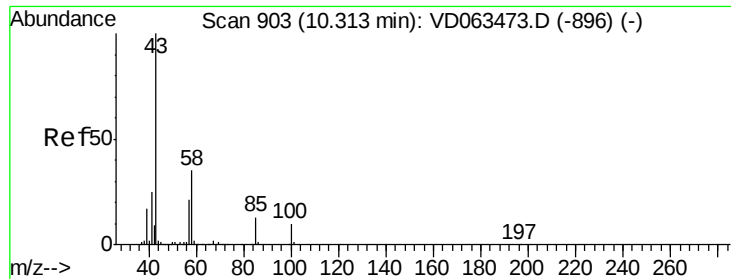
98 100

100 55.6 51.7 77.5



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC

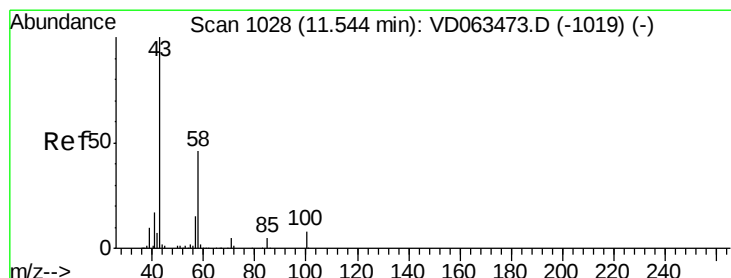
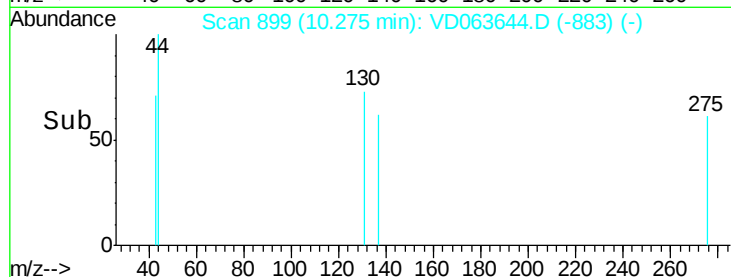
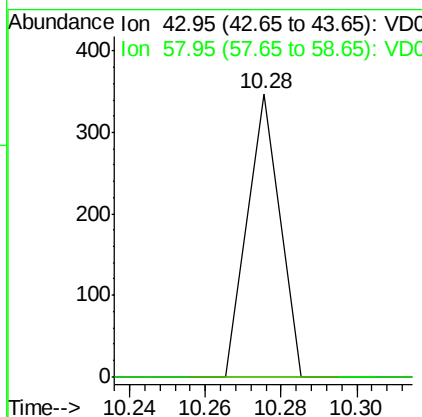
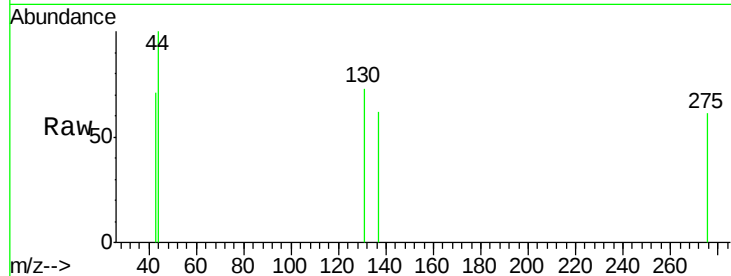




#51
4-Methyl-2-Pentanone
Concen: 1.988 ug/l
RT: 10.28 min Scan# 899
Delta R.T. -0.04 min
Lab File: VD063644.D
Acq: 16 Aug 2019 18:04

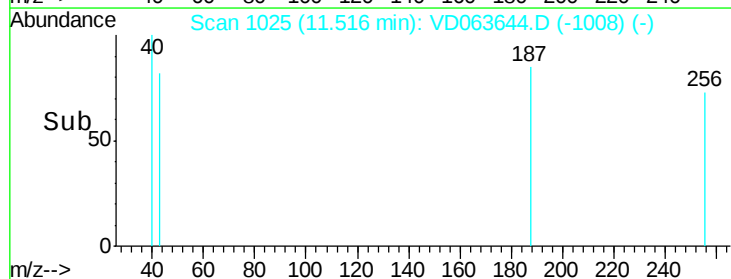
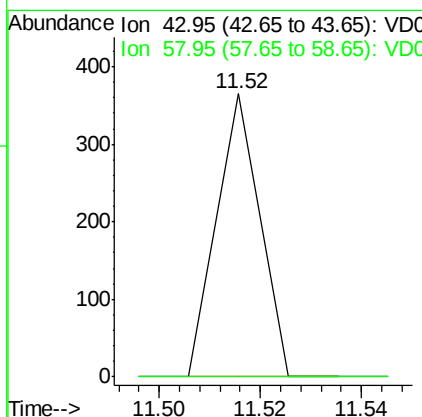
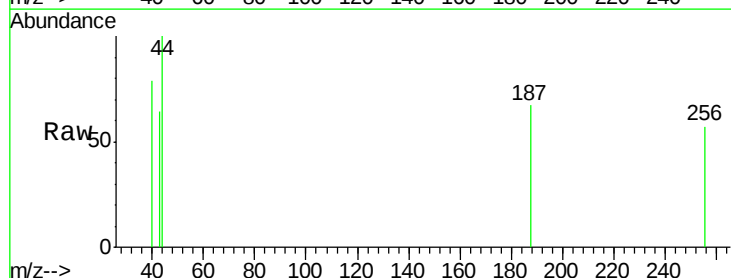
Instrument :
MSVOA_D
ClientSampleId :
T4-F(0)

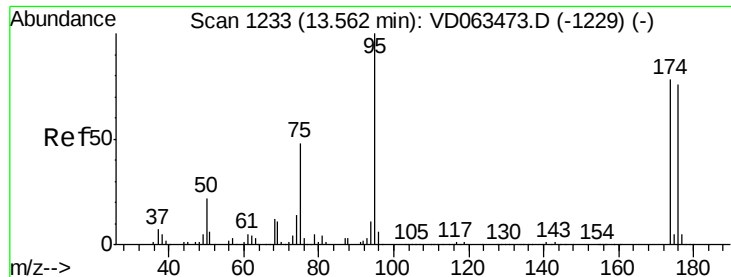
Tot Ion: 43 Resp: 206
Ion Ratio Lower Upper
43 100
58 0.0 28.0 42.0#



#59
2-Hexanone
Concen: 2.864 ug/l
RT: 11.52 min Scan# 1025
Delta R.T. -0.03 min
Lab File: VD063644.D
Acq: 16 Aug 2019 18:04

Tgt Ion: 43 Resp: 216
Ion Ratio Lower Upper
43 100
58 0.0 23.1 69.2#

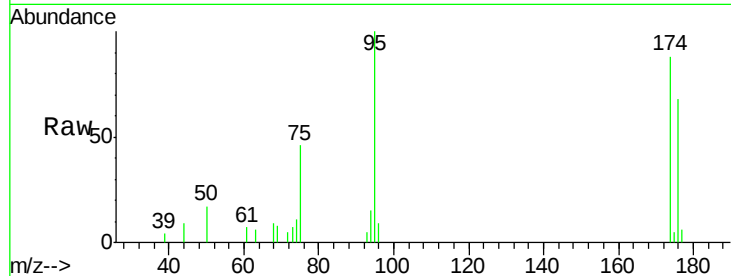




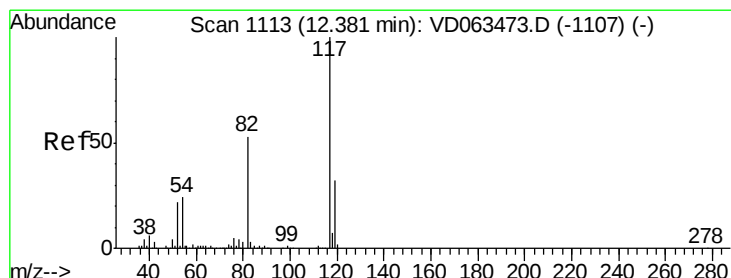
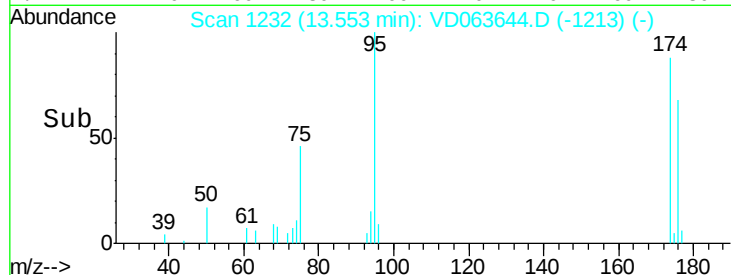
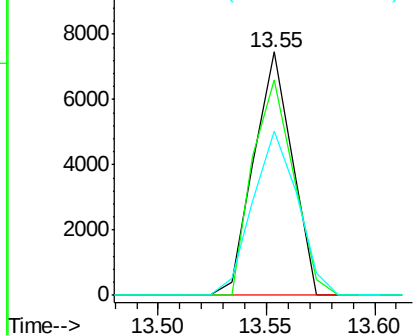
#62
4-Bromofluorobenzene
Concen: 35.501 ug/l
RT: 13.55 min Scan# 1232
Delta R.T. -0.01 min
Lab File: VD063644.D
Acq: 16 Aug 2019 18:04

Instrument :
MSVOA_D
ClientSampleId :
T4-F(0)

Tot Ion: 95 Resp: 9096
Ion Ratio Lower Upper
95 100
174 88.4 0.0 155.4
176 67.7 0.0 152.4

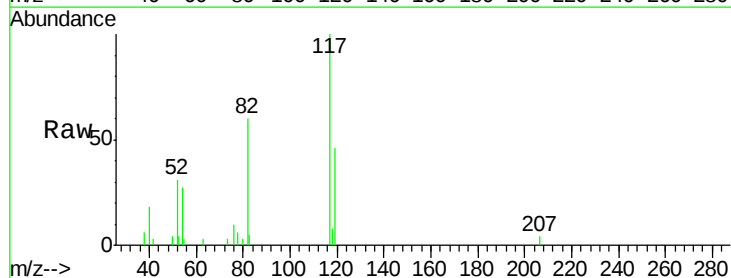


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

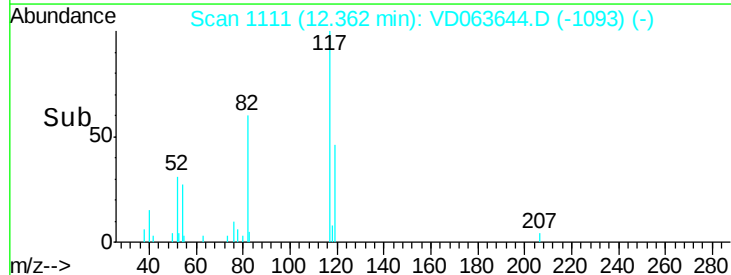
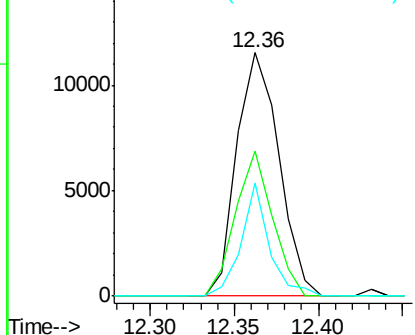


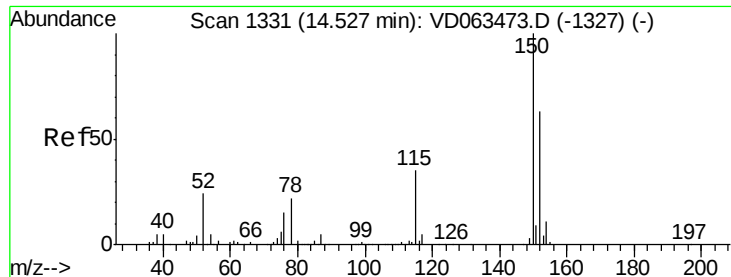
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.02 min
Lab File: VD063644.D
Acq: 16 Aug 2019 18:04

Tgt Ion: 117 Resp: 20062
Ion Ratio Lower Upper
117 100
82 59.6 42.0 63.0
119 46.4 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: 14.52 min Scan# 1330

Delta R.T. -0.01 min

Lab File: VD063644.D

Acq: 16 Aug 2019 18:04

Instrument :

MSVOA_D

ClientSampleId :

T4-F(0)

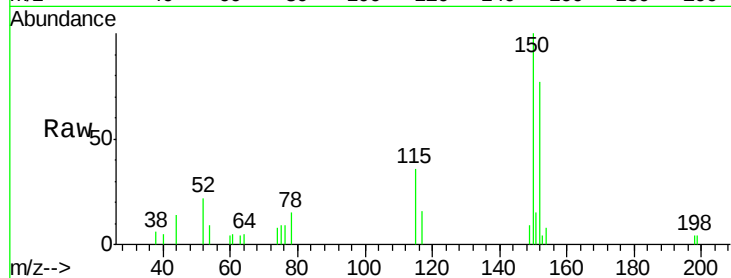
Tot Ion:152 Resp: 7361

Ion Ratio Lower Upper

152 100

115 47.3 30.9 92.7

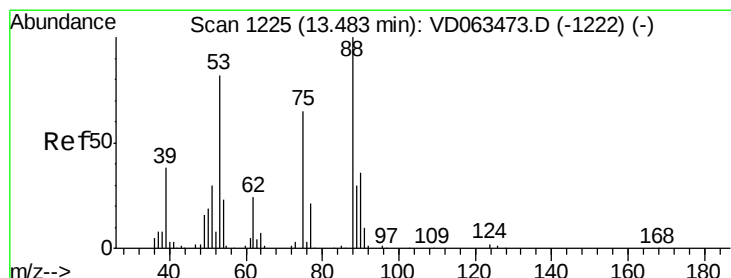
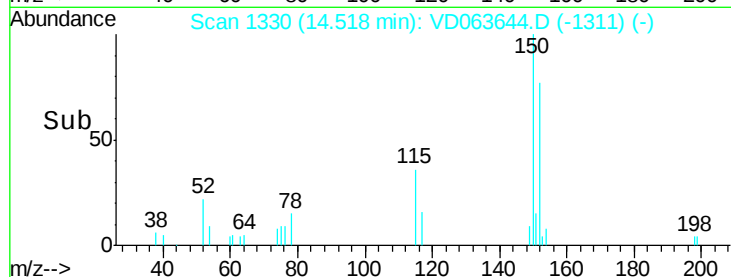
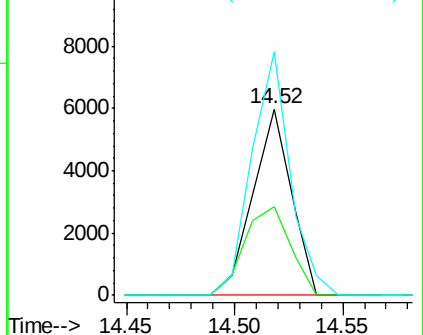
150 130.6 0.0 318.6



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



#81

trans-1,4-Dichloro-2-butene

Concen: 155.554 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.07 min

Lab File: VD063644.D

Acq: 16 Aug 2019 18:04

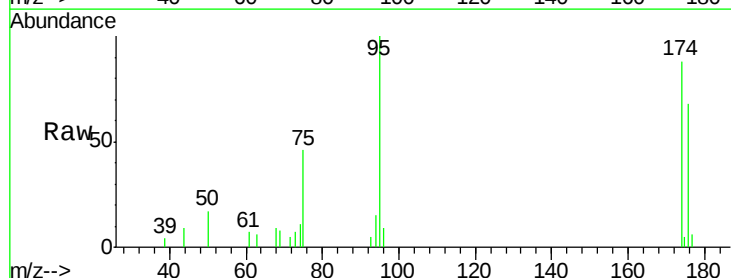
Tgt Ion: 75 Resp: 3532

Ion Ratio Lower Upper

75 100

53 0.0 101.0 151.4#

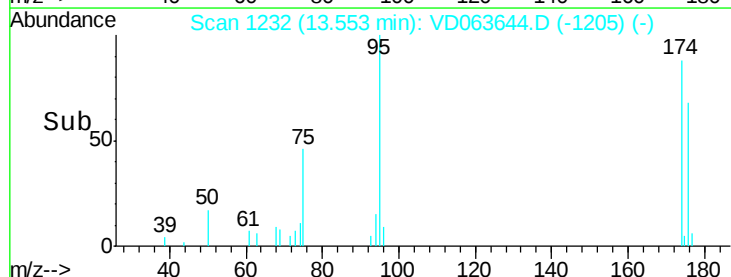
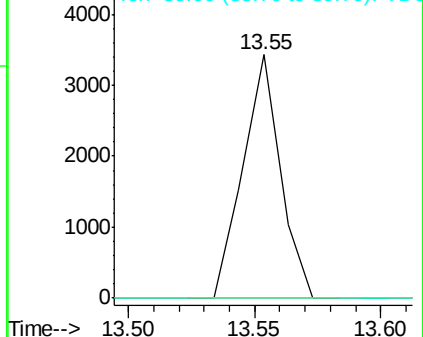
89 0.0 37.0 55.6#

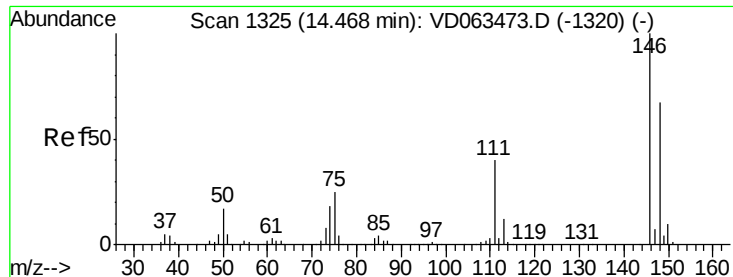


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 53.00 (52.70 to 53.70): V

Ion 89.00 (88.70 to 89.70): V





#87

1,3-Dichlorobenzene

Concen: 1.015 ug/l

RT: 14.53 min Scan# 1331

Delta R.T. 0.06 min

Lab File: VD063644.D

Acq: 16 Aug 2019 18:04

Instrument :

MSVOA_D

ClientSampleId :

T4-F(0)

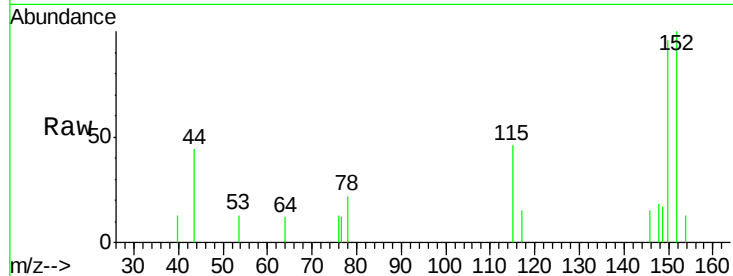
Tot Ion:146 Resp: 235

Ion Ratio Lower Upper

146 100

111 0.0 20.0 60.0#

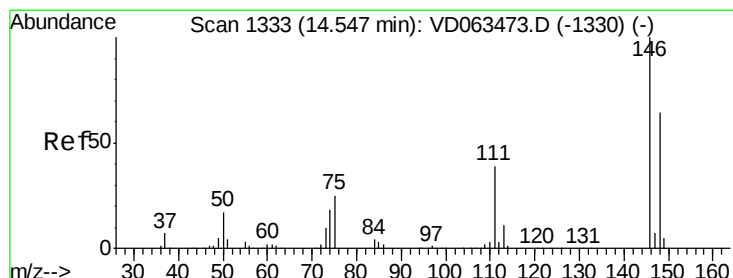
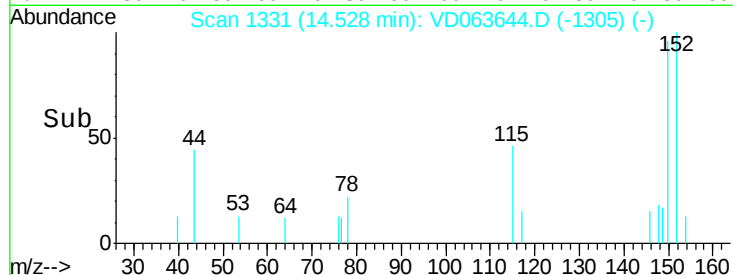
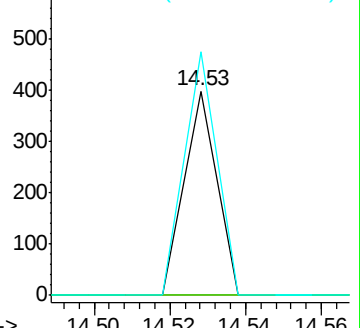
148 119.1 33.6 100.6#



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 1.058 ug/l

RT: 14.53 min Scan# 1331

Delta R.T. -0.02 min

Lab File: VD063644.D

Acq: 16 Aug 2019 18:04

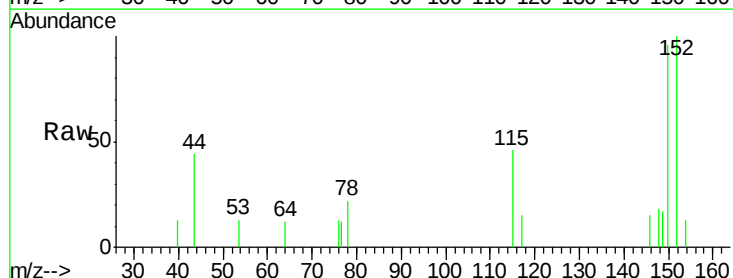
Tgt Ion:146 Resp: 235

Ion Ratio Lower Upper

146 100

111 0.0 19.7 59.0#

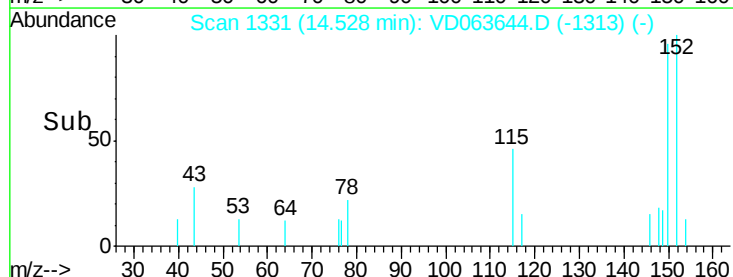
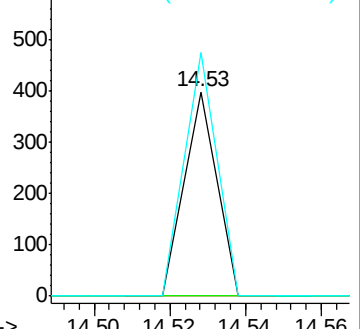
148 119.1 32.1 96.3#

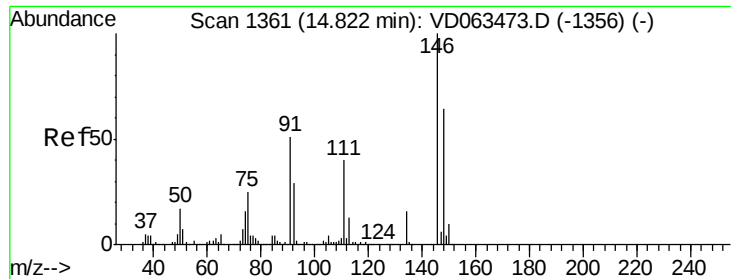


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

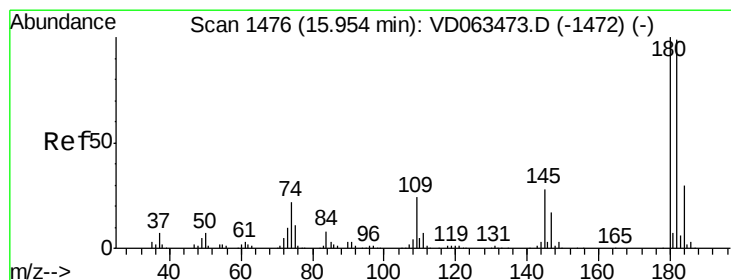
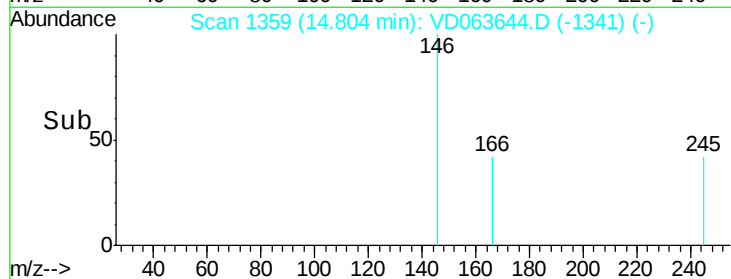
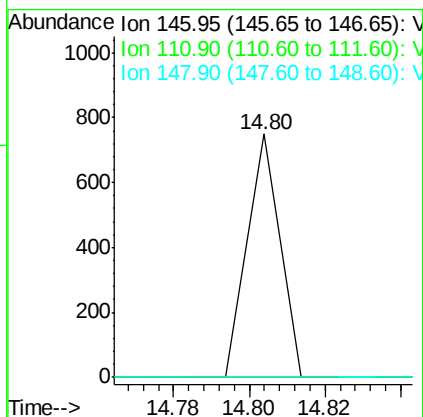
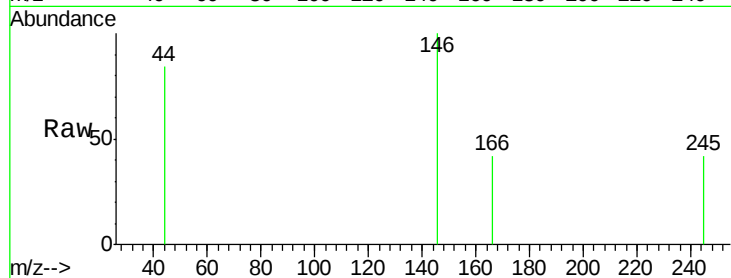




#91
 1,2-Dichlorobenzene
 Concen: 2.256 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. -0.02 min
 Lab File: VD063644.D
 Acq: 16 Aug 2019 18:04

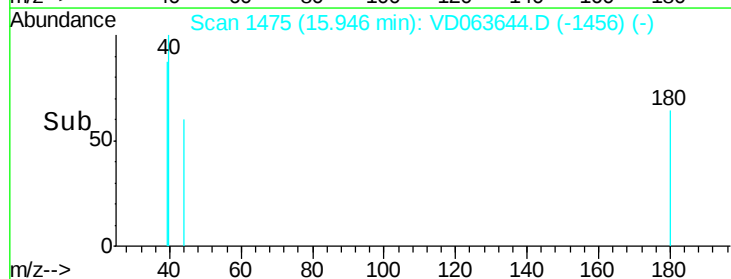
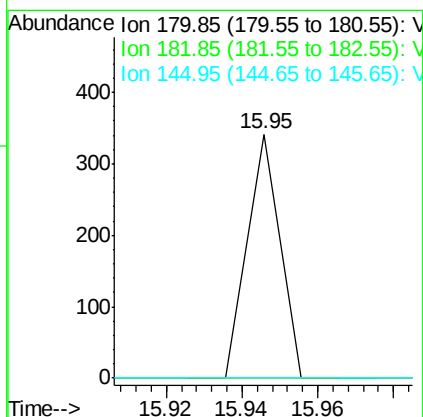
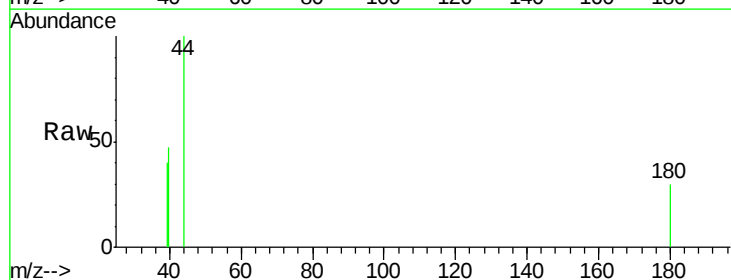
Instrument :
 MSVOA_D
 ClientSampleId :
 T4-F(0)

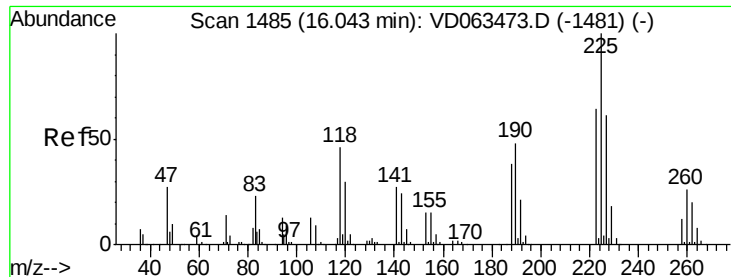
Tot Ion:146 Resp: 443
 Ion Ratio Lower Upper
 146 100
 111 0.0 20.2 60.6#
 148 0.0 32.1 96.5#



#93
 1,2,4-Trichlorobenzene
 Concen: 1.391 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. -0.01 min
 Lab File: VD063644.D
 Acq: 16 Aug 2019 18:04

Tgt Ion:180 Resp: 201
 Ion Ratio Lower Upper
 180 100
 182 0.0 49.7 149.1#
 145 0.0 14.1 42.2#





#94

Hexachlorobutadiene

Concen: 2.079 ug/l

RT: 16.02 min Scan# 1483

Delta R.T. -0.02 min

Lab File: VD063644.D

Acq: 16 Aug 2019 18:04

Instrument :

MSVOA_D

ClientSampleId :

T4-F(0)

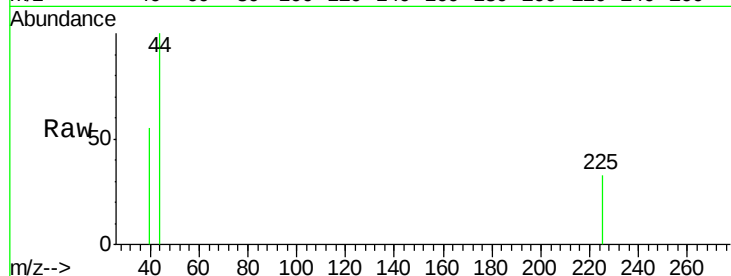
Tot Ion:225 Resp: 229

Ion Ratio Lower Upper

225 100

223 0.0 31.9 95.5#

227 0.0 30.7 92.1#



Abundance Ion 224.75 (224.45 to 225.45): V

Ion 222.75 (222.45 to 223.45): V

Ion 226.75 (226.45 to 227.45): V

16.02

400

300

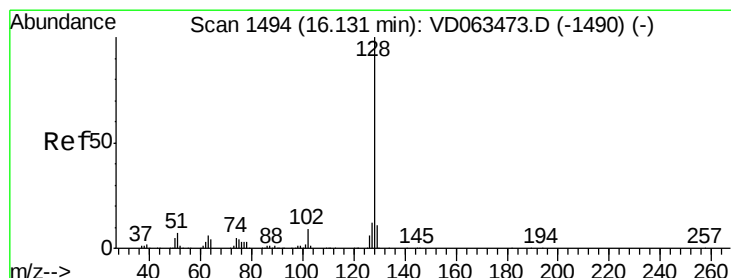
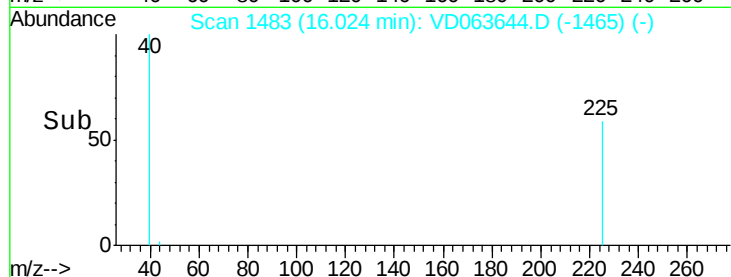
200

100

0

16.00 16.02 16.04

Time-->



#95

Naphthalene

Concen: 1.014 ug/l

RT: 16.11 min Scan# 1492

Delta R.T. -0.02 min

Lab File: VD063644.D

Acq: 16 Aug 2019 18:04

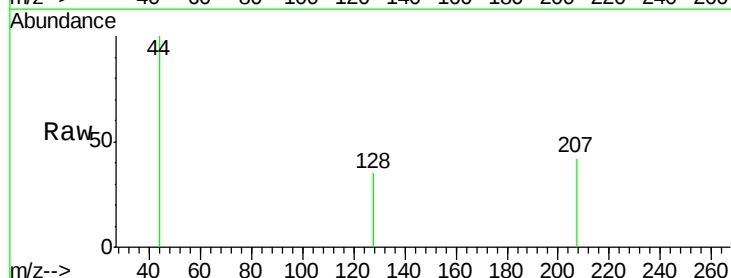
Tgt Ion:128 Resp: 222

Ion Ratio Lower Upper

128 100

127 0.0 9.4 14.0#

129 0.0 8.5 12.7#



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

16.11

400

300

200

100

0

16.08 16.10 16.12 16.14

Time-->

