

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD073018\
 Data File : VD059646.D
 Acq On : 31 Jul 2018 4:22
 Operator : VA/AP
 Sample : J4218-07
 Misc : 7.00g/5ml/MSVOA D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-15-D

Quant Time: Jul 31 05:20:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D072418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 25 07:10:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	128095	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	6.69	114	186291	50.00	ug/l	0.03
63) Chlorobenzene-d5	10.68	117	125038	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.92	152	87917	50.00	ug/l	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.00	65	106116	65.90	ug/l	0.02
Spiked Amount 50.000			Recovery =	131.80%		
35) Dibromofluoromethane	5.54	113	93573	58.55	ug/l	0.03
Spiked Amount 50.000			Recovery =	117.10%		
50) Toluene-d8	8.72	98	94312	26.02	ug/l	0.04
Spiked Amount 50.000			Recovery =	52.04%		
62) 4-Bromofluorobenzene	11.98	95	10182	6.24	ug/l	0.07
Spiked Amount 50.000			Recovery =	12.48%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	2.58	56	1061	32.06	ug/l	85
14) Allyl chloride	3.04	41	42232	32.08	ug/l #	57
15) Acrylonitrile	3.38	53	453	3.25	ug/l #	23
16) Acetone	2.60	43	18708	76.93	ug/l #	91
17) Carbon Disulfide	2.75	76	4102	1.90	ug/l #	76
18) Methyl Acetate	3.04	43	93582	192.43	ug/l #	62
20) Methylene Chloride	3.06	84	2592	3.74	ug/l #	81
25) 2-Butanone	4.79	43	42734	115.23	ug/l #	59
29) Tetrahydrofuran	5.59	42	2832	16.49	ug/l #	33
30) Chloroform	5.26	83	4372	1.67	ug/l #	17
31) Cyclohexane	5.73	56	2995020	2397.69	ug/l #	15
36) 1,1-Dichloropropene	5.64	75	13450	7.20	ug/l #	43
37) Ethyl Acetate	4.79	43	42734	44.44	ug/l #	71
38) Carbon Tetrachloride	5.64	117	13420	5.24	ug/l #	14
39) Methylcyclohexane	7.26	83	36189	21.05	ug/l #	34
43) Isopropyl Acetate	7.52	43	417827	313.35	ug/l #	47
45) 1,2-Dichloropropane	7.38	63	7892	7.35	ug/l #	1
47) Bromodichloromethane	7.76	83	26266	12.12	ug/l #	33
48) Methyl methacrylate	7.52	41	1242817	1405.41	ug/l #	42
51) 4-Methyl-2-Pentanone	8.75	43	2553084	2867.26	ug/l #	74
55) 1,1,2-Trichloroethane	9.55	97	8740	9.15	ug/l #	42
56) Ethyl methacrylate	9.36	69	75983	70.13	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.18	63	34777	68.31	ug/l #	49
59) 2-Hexanone	9.75	43	371959	525.91	ug/l #	36
67) Ethyl Benzene	10.77	91	5995	1.36	ug/l #	48
73) Isopropylbenzene	11.78	105	7803	1.26	ug/l	88
74) N-amyl acetate	11.68	43	334097	157.00	ug/l #	41
75) 1,1,2,2-Tetrachloroethane	12.10	83	144599	114.03	ug/l #	1
77) Bromobenzene	11.99	156	4232	2.33	ug/l #	1
79) 2-Chlorotoluene	12.17	91	5646	1.25	ug/l #	55
81) trans-1,4-Dichloro-2-buten	11.93	75	44357	119.33	ug/l #	27
82) 4-Chlorotoluene	12.30	91	7477	1.47	ug/l #	61
85) sec-Butylbenzene	12.77	105	99952	15.84	ug/l	90
89) n-Butylbenzene	13.21	91	44355	8.64	ug/l	84

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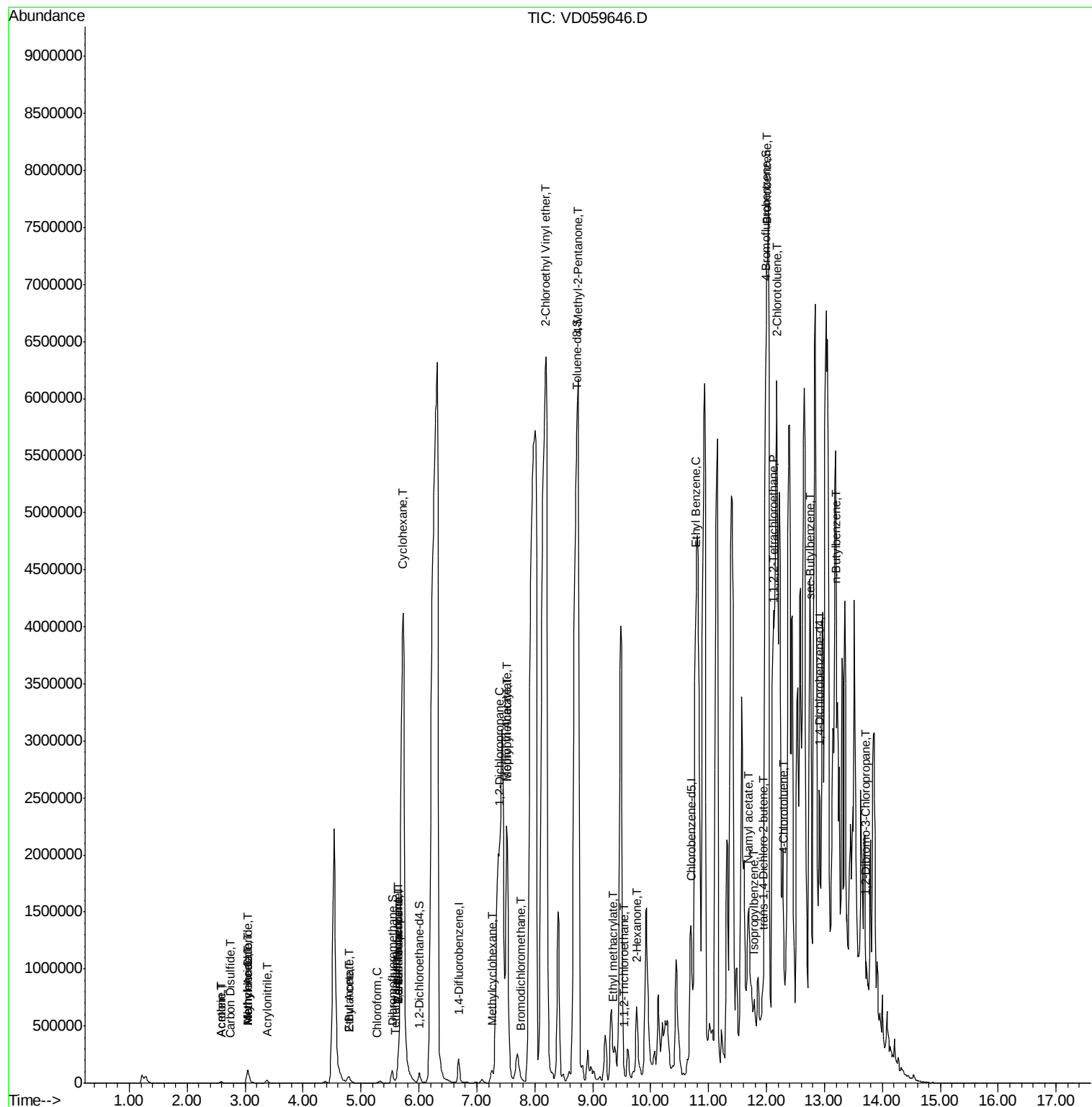
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
92) 1,2-Dibromo-3-Chloropropan	13.71	75	2836	11.09	ug/l #	1

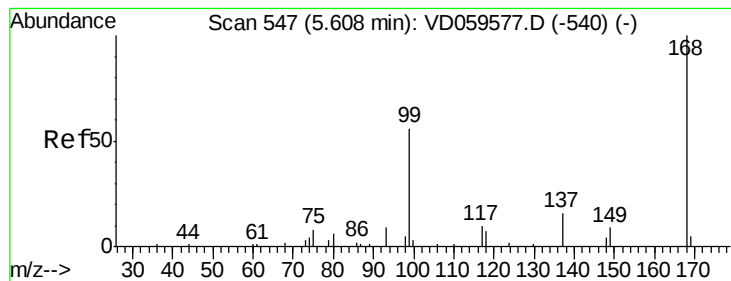
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.64 min Scan# 550

Delta R.T. 0.03 min

Lab File: VD059646.D

Acq: 31 Jul 2018 4:22

Instrument :

MSVOA_D

ClientSampleId :

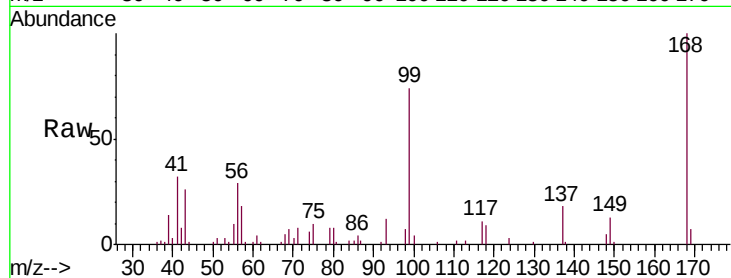
TP-15-D

Tot Ion:168 Resp: 128095

Ion Ratio Lower Upper

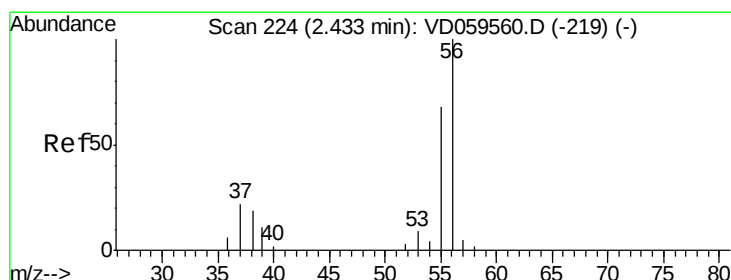
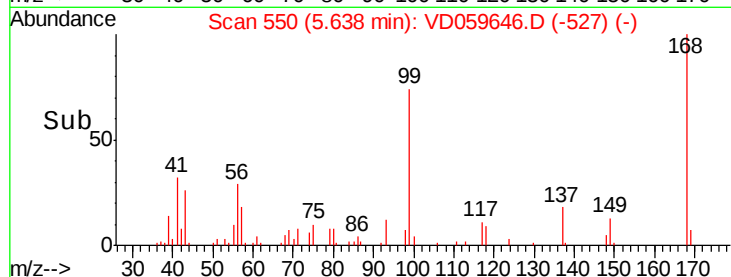
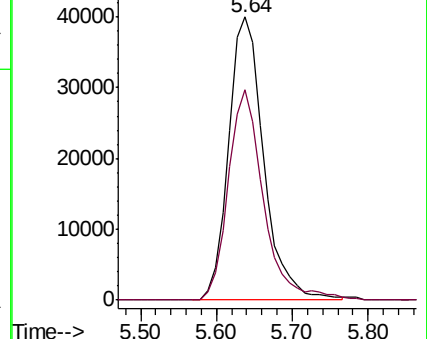
168 100

99 74.2 47.3 70.9#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#13

Acrolein

Concen: 32.06 ug/l

RT: 2.58 min Scan# 239

Delta R.T. 0.15 min

Lab File: VD059646.D

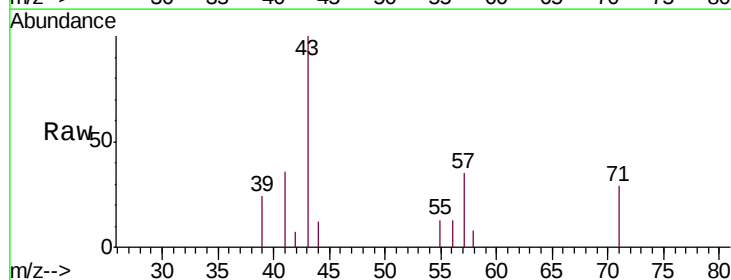
Acq: 31 Jul 2018 4:22

Tgt Ion: 56 Resp: 1061

Ion Ratio Lower Upper

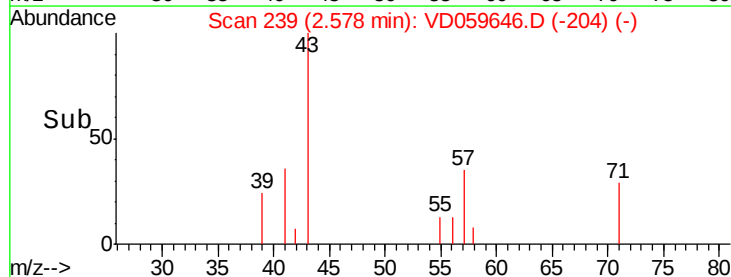
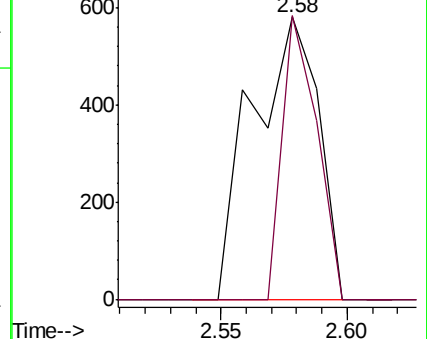
56 100

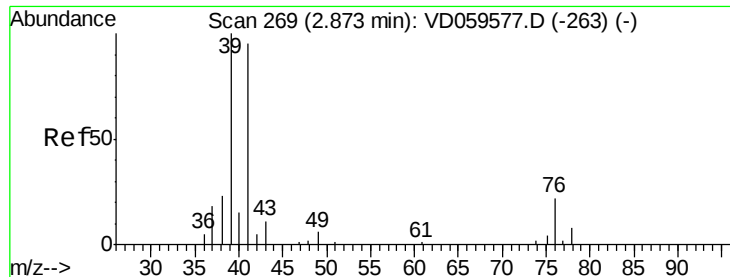
55 100.3 69.1 103.7



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC





#14

Allvl chloride

Concen: 32.08 ug/l

RT: 3.04 min Scan# 286

Delta R.T. 0.17 min

Lab File: VD059646.D

Acq: 31 Jul 2018 4:22

Instrument :

MSVOA_D

ClientSampleId :

TP-15-D

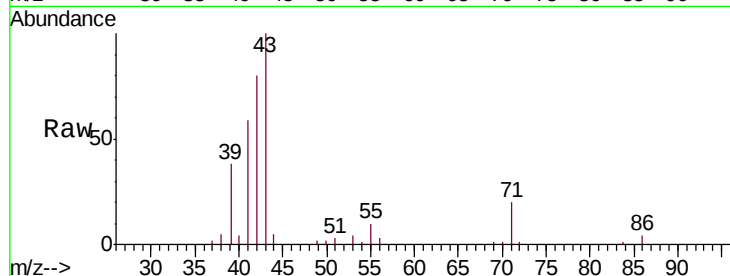
Tot Ion: 41 Resp: 42232

Ion Ratio Lower Upper

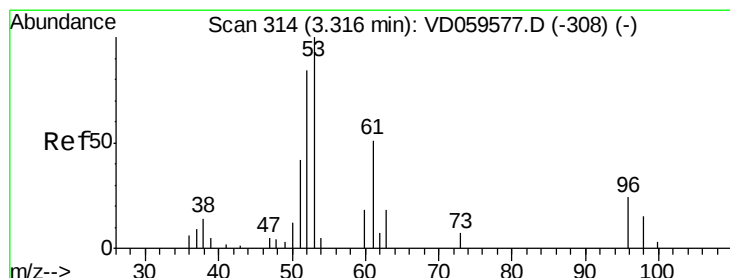
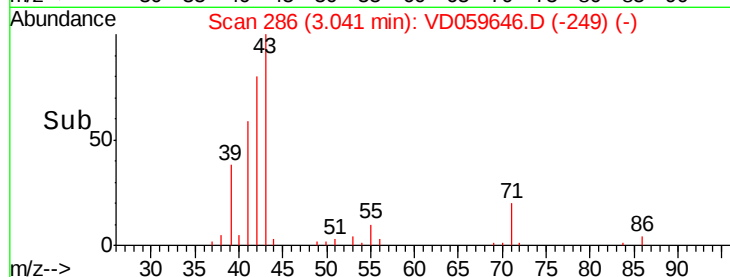
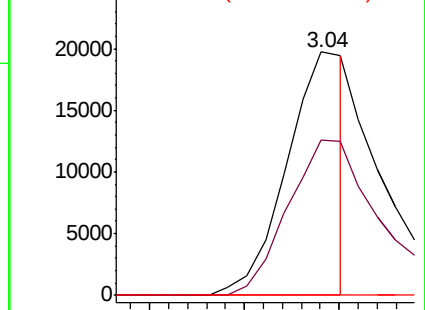
41 100

39 63.7 83.8 125.8#

76 0.0 22.2 33.4#



Abundance Ion 41.05 (40.75 to 41.75): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 75.95 (75.65 to 76.65): VDC



#15

Acrylonitrile

Concen: 3.25 ug/l

RT: 3.38 min Scan# 320

Delta R.T. 0.06 min

Lab File: VD059646.D

Acq: 31 Jul 2018 4:22

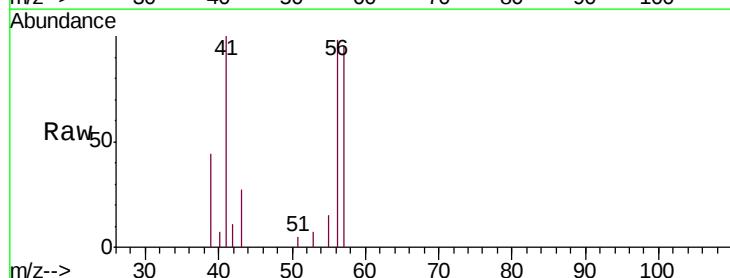
Tgt Ion: 53 Resp: 453

Ion Ratio Lower Upper

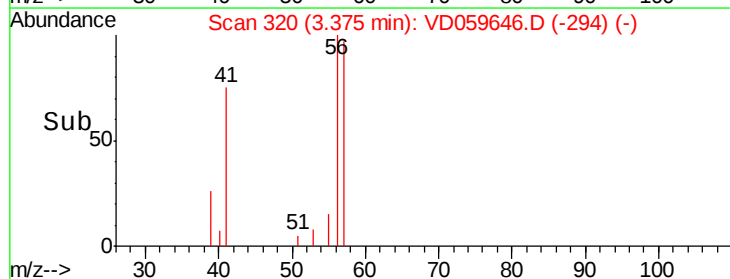
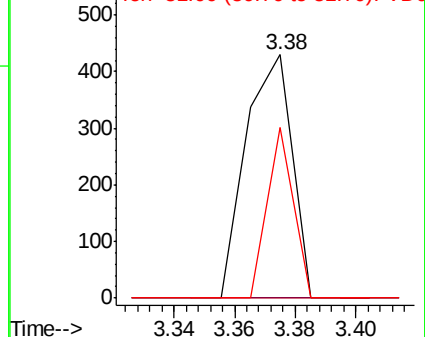
53 100

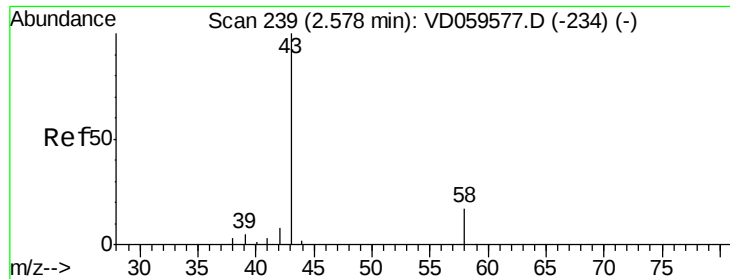
52 0.0 67.6 101.4#

51 70.0 33.7 50.5#



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC





#16

Acetone

Concen: 76.93 ug/l

RT: 2.60 min Scan# 241

Delta R.T. 0.02 min

Lab File: VD059646.D

Acq: 31 Jul 2018 4:22

Instrument :

MSVOA_D

ClientSampleId :

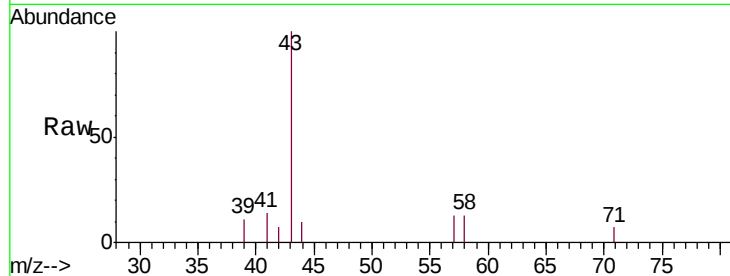
TP-15-D

Tot Ion: 43 Resp: 18708

Ion Ratio Lower Upper

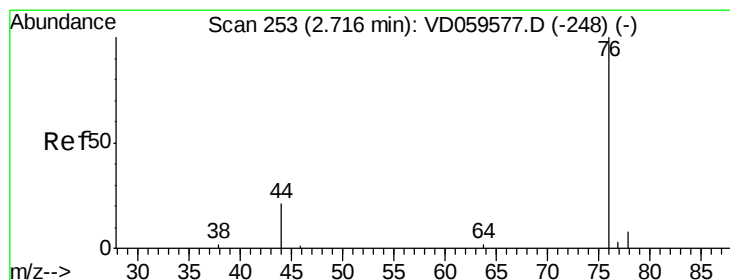
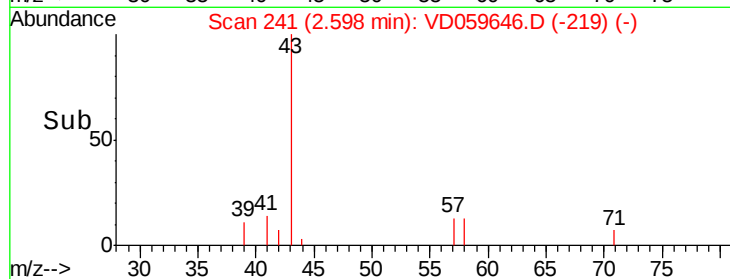
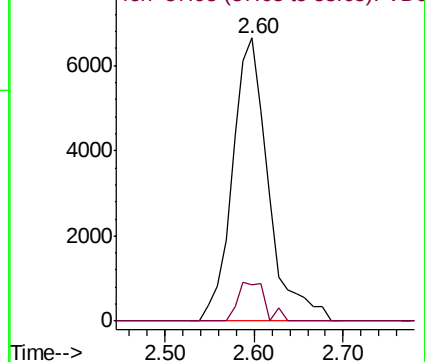
43 100

58 12.8 13.4 20.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#17

Carbon Disulfide

Concen: 1.90 ug/l

RT: 2.75 min Scan# 256

Delta R.T. 0.03 min

Lab File: VD059646.D

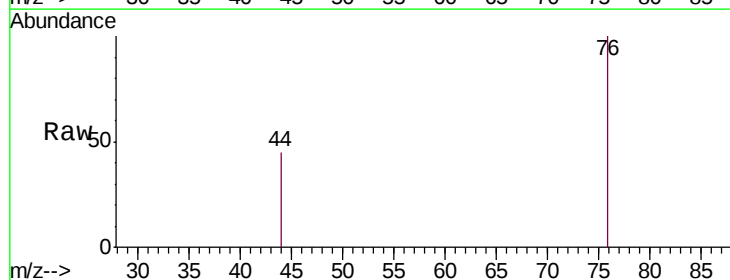
Acq: 31 Jul 2018 4:22

Tgt Ion: 76 Resp: 4102

Ion Ratio Lower Upper

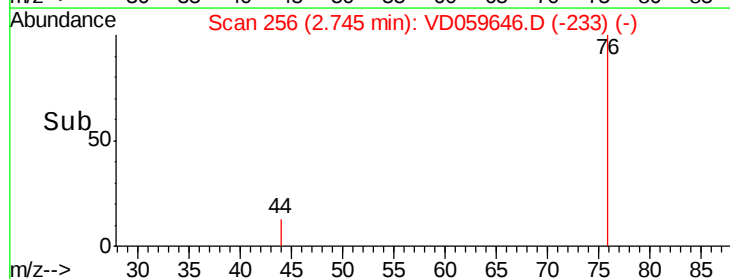
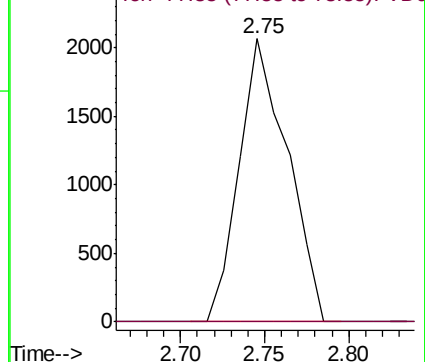
76 100

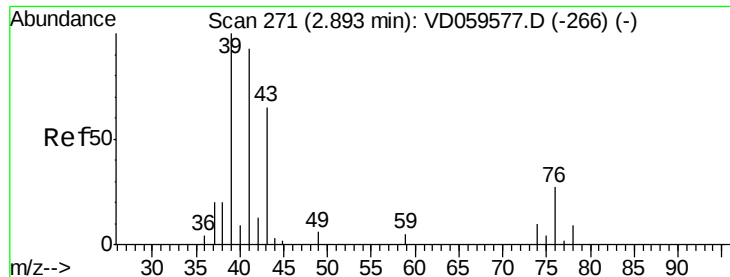
78 0.0 6.8 10.2#



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC





#18

Methyl Acetate

Concen: 192.43 ug/l

RT: 3.04 min Scan# 286

Delta R.T. 0.15 min

Lab File: VD059646.D

Acq: 31 Jul 2018 4:22

Instrument :

MSVOA_D

ClientSampleId :

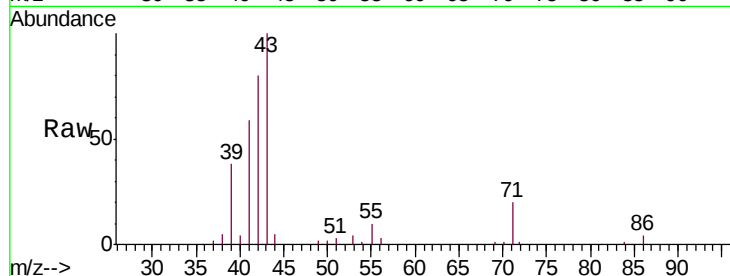
TP-15-D

Tot Ion: 43 Resp: 93582

Ion Ratio Lower Upper

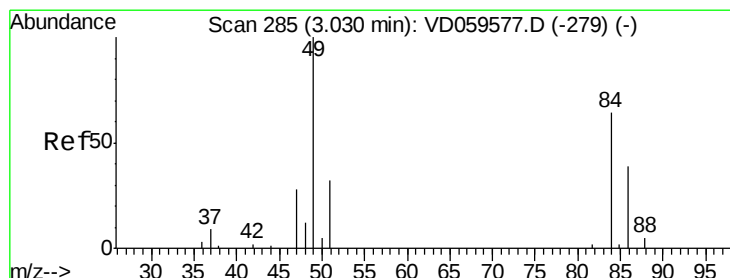
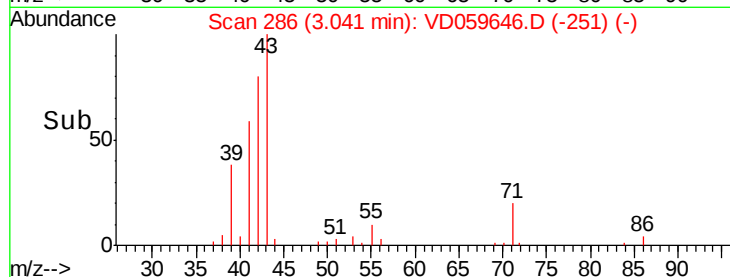
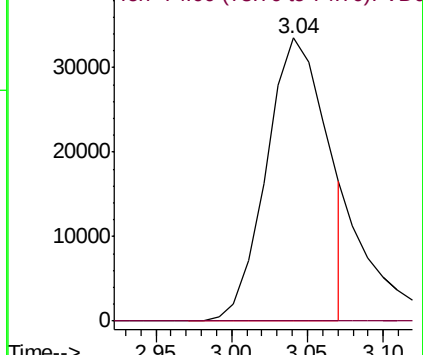
43 100

74 0.0 13.0 19.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



#20

Methylene Chloride

Concen: 3.74 ug/l

RT: 3.06 min Scan# 288

Delta R.T. 0.03 min

Lab File: VD059646.D

Acq: 31 Jul 2018 4:22

Tgt Ion: 84 Resp: 2592

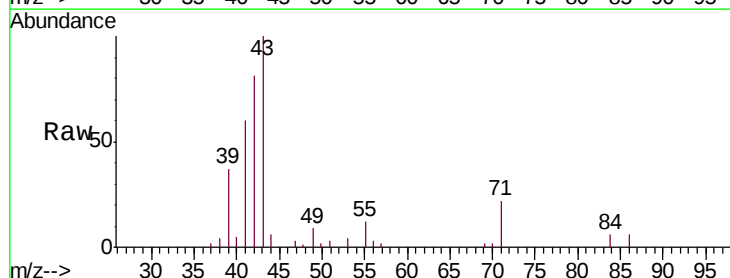
Ion Ratio Lower Upper

84 100

49 140.0 125.4 188.2

51 56.3 39.7 59.5

86 94.4 49.1 73.7#

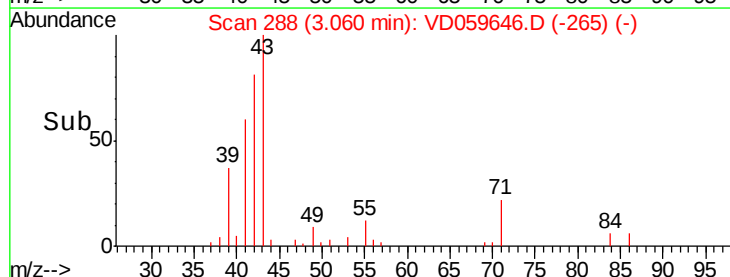
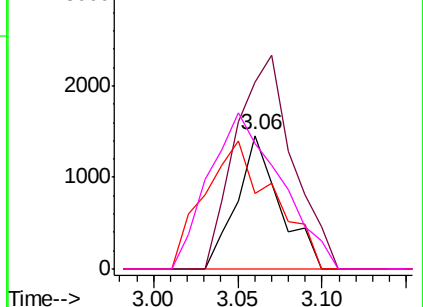


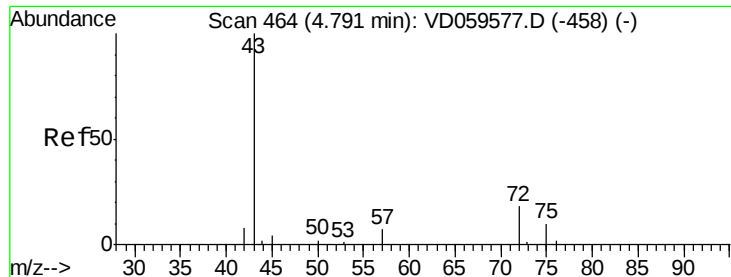
Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC





#25

2-Butanone

Concen: 115.23 ug/l

RT: 4.79 min Scan# 464

Delta R.T. 0.00 min

Lab File: VD059646.D

Acq: 31 Jul 2018 4:22

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ClientSampleId :

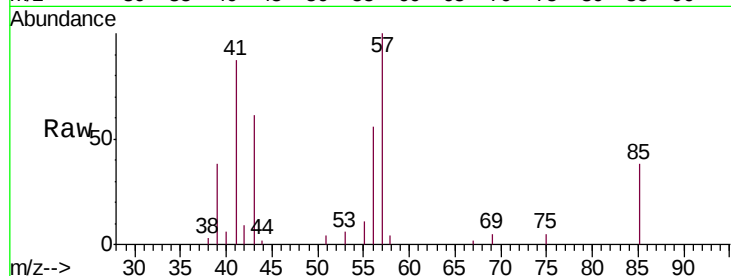
TP-15-D

Tot Ion: 43 Resp: 42734

Ion Ratio Lower Upper

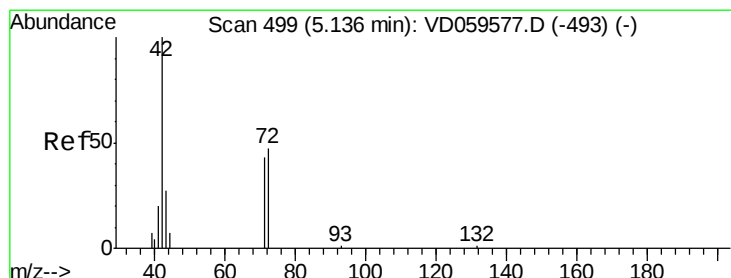
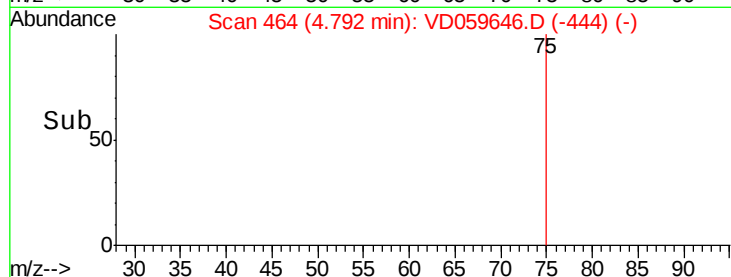
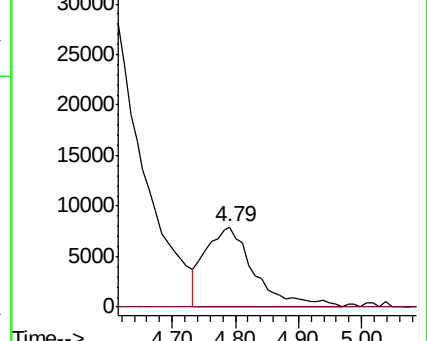
43 100

72 0.0 14.7 22.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#29

Tetrahydrofuran

Concen: 16.49 ug/l

RT: 5.59 min Scan# 545

Delta R.T. 0.45 min

Lab File: VD059646.D

Acq: 31 Jul 2018 4:22

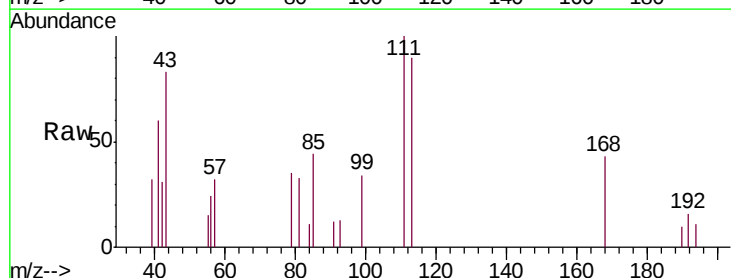
Tgt Ion: 42 Resp: 2832

Ion Ratio Lower Upper

42 100

72 0.0 35.0 52.4#

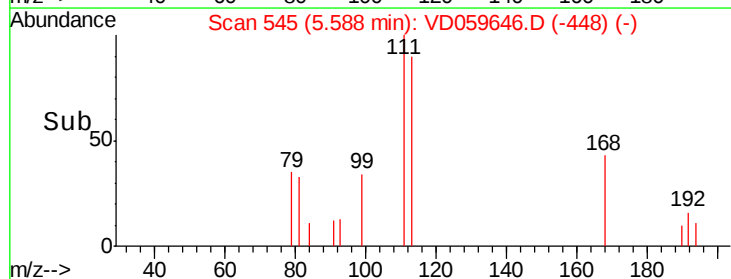
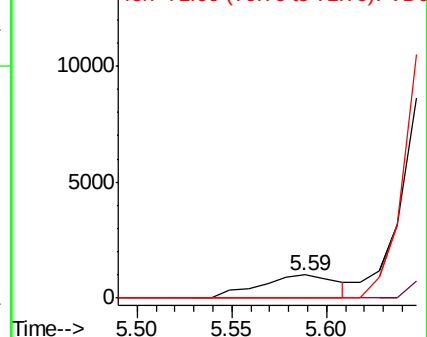
71 0.0 34.2 51.2#

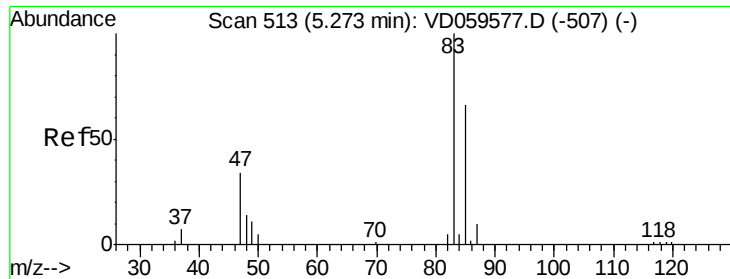


Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC

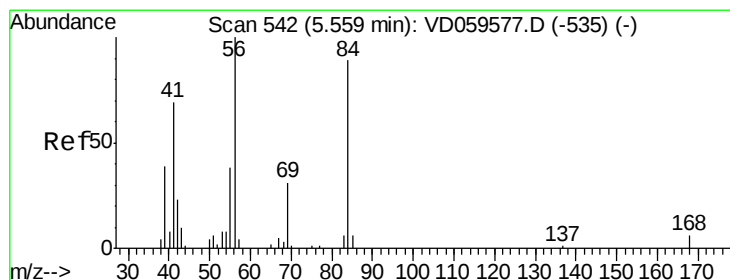
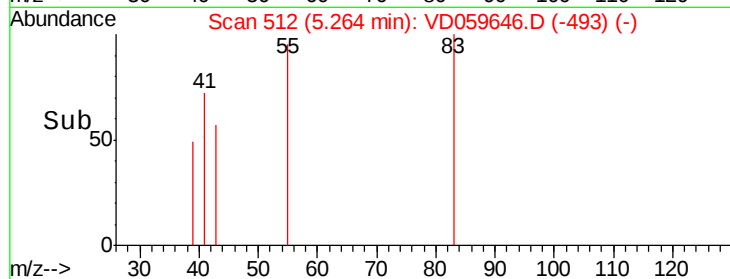
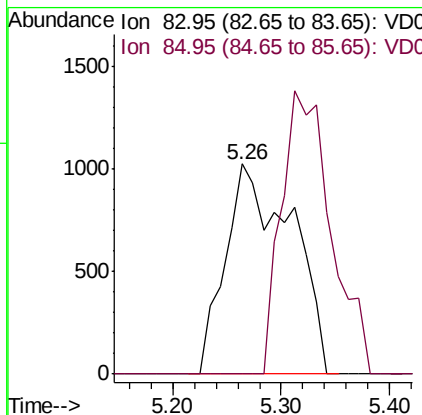
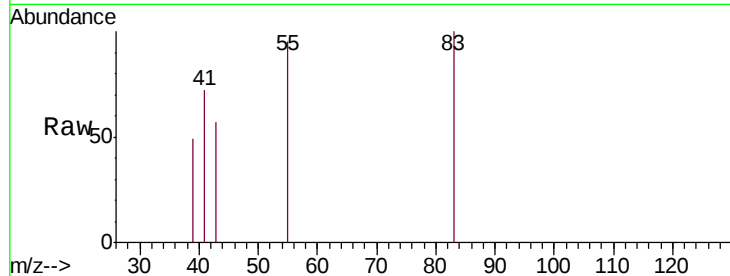




#30
Chloroform
Concen: 1.67 ug/l
RT: 5.26 min Scan# 512
Delta R.T. -0.01 min
Lab File: VD059646.D
Acq: 31 Jul 2018 4:22

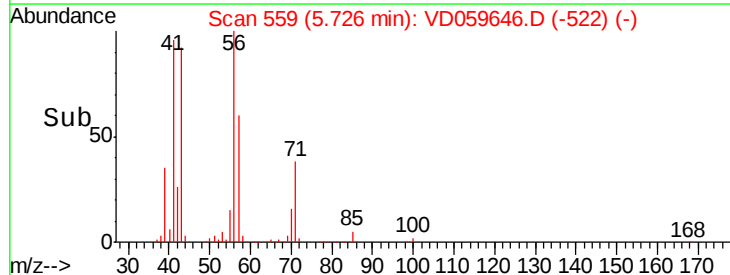
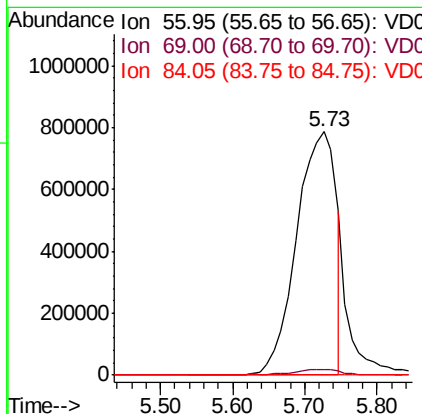
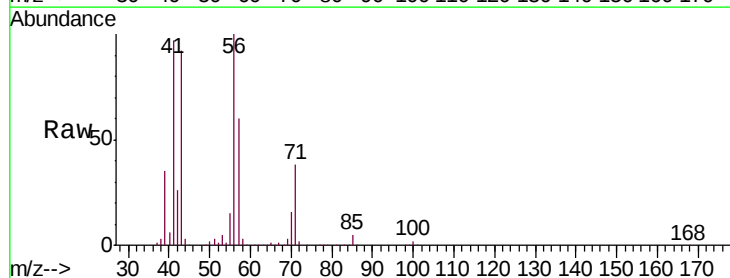
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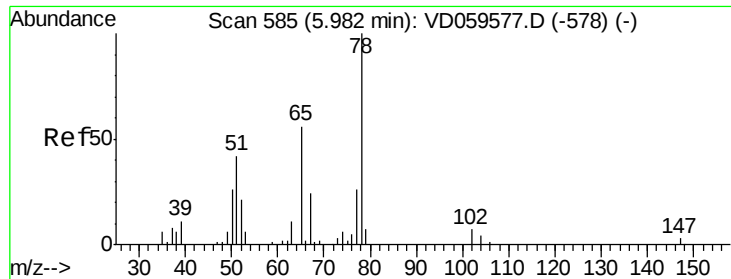
Tot Ion: 83 Resp: 4372
Ion Ratio Lower Upper
83 100
85 0.0 53.0 79.6#



#31
Cyclohexane
Concen: 2397.69 ug/l
RT: 5.73 min Scan# 559
Delta R.T. 0.17 min
Lab File: VD059646.D
Acq: 31 Jul 2018 4:22

Tgt Ion: 56 Resp: 2995020
Ion Ratio Lower Upper
56 100
69 2.5 24.6 37.0#
84 0.2 72.7 109.1#





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 6.00 min Scan# 587

Delta R.T. 0.02 min

Lab File: VD059646.D

Acq: 31 Jul 2018 4:22

Instrument :

MSVOA_D

ClientSampled :

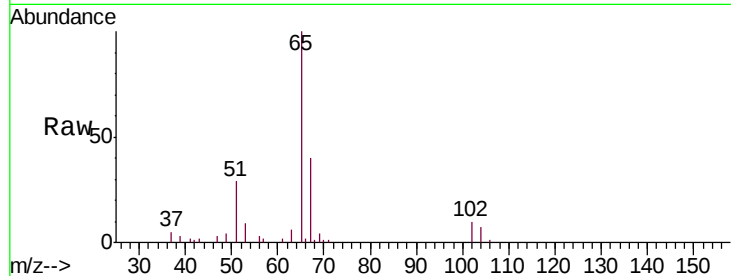
TP-15-D

Tot Ion: 65 Resp: 106116

Ion Ratio Lower Upper

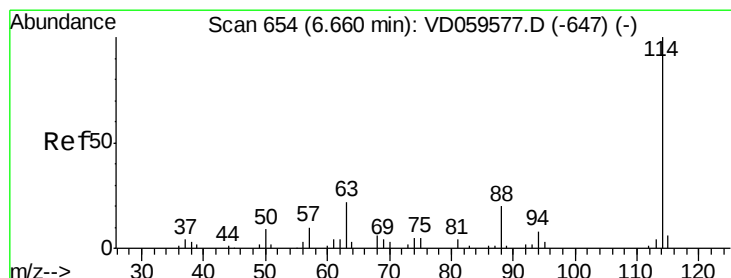
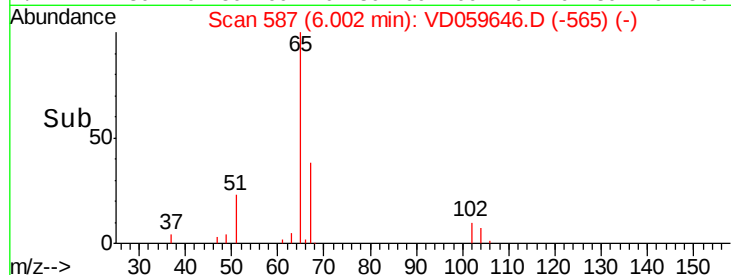
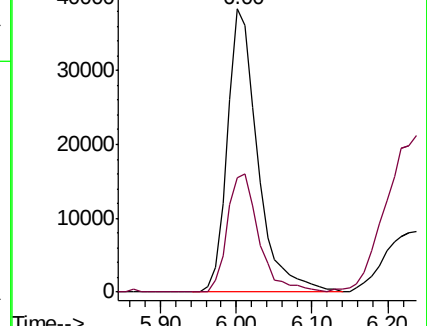
65 100

67 40.3 0.0 86.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.69 min Scan# 657

Delta R.T. 0.03 min

Lab File: VD059646.D

Acq: 31 Jul 2018 4:22

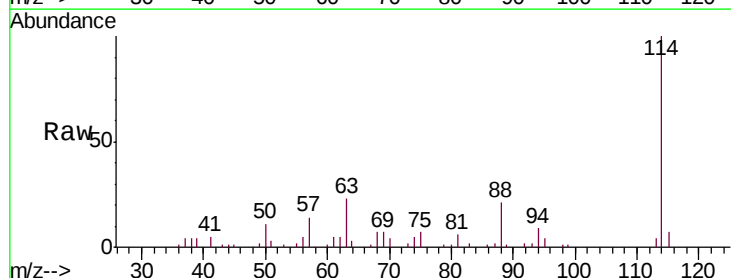
Tgt Ion: 114 Resp: 186291

Ion Ratio Lower Upper

114 100

63 23.2 0.0 43.8

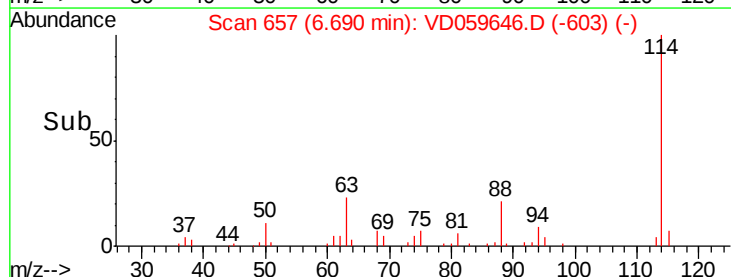
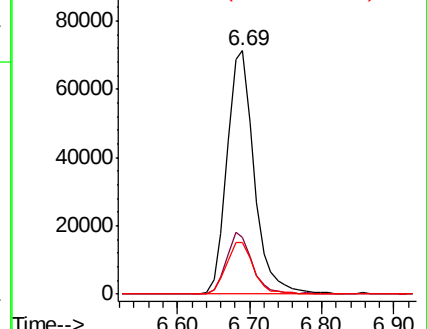
88 21.2 0.0 39.0

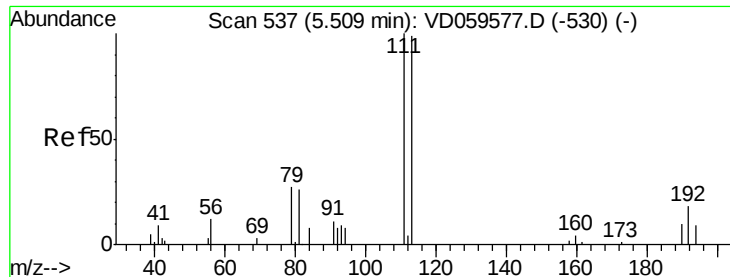


Abundance Ion 114.00 (113.70 to 114.70): VDC

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

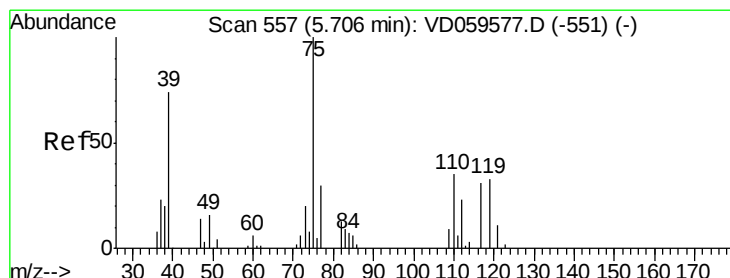
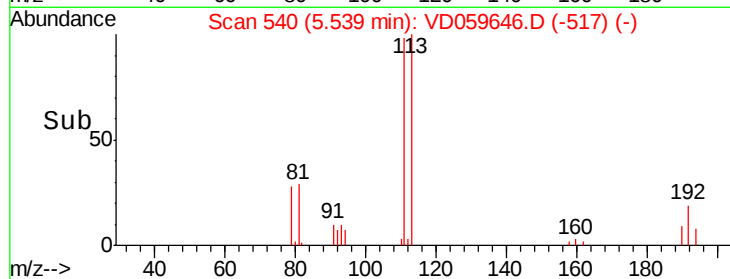
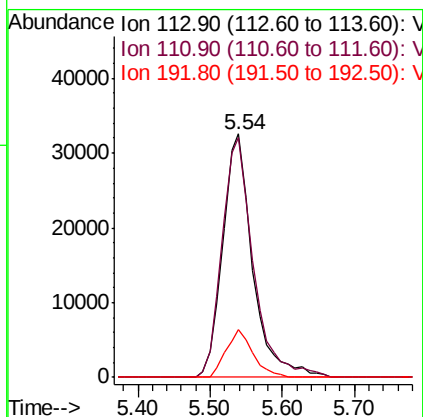
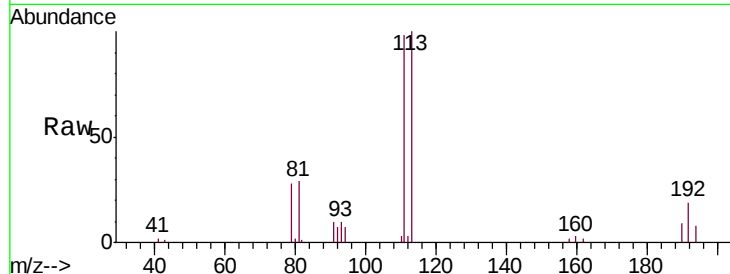




#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 5.54 min Scan# 540
 Delta R.T. 0.03 min
 Lab File: VD059646.D
 Acq: 31 Jul 2018 4:22

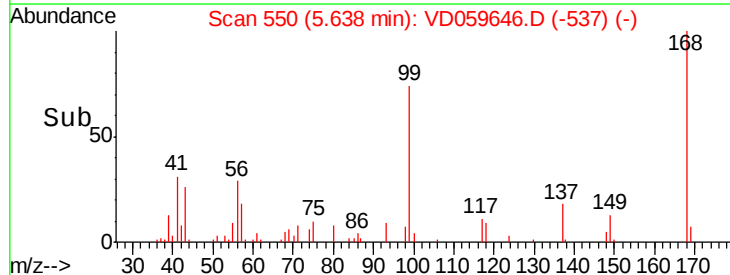
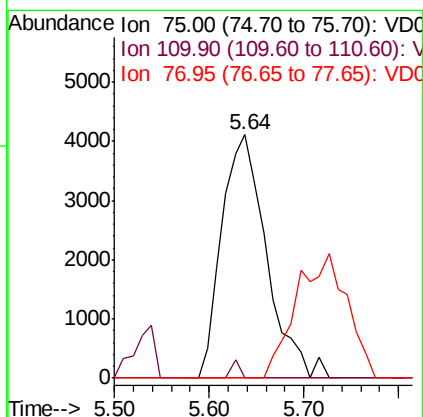
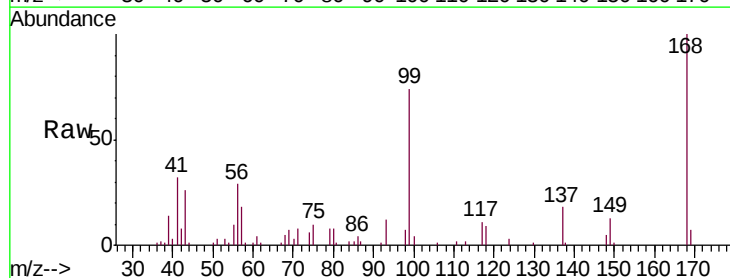
Instrument :
 MSVOA_D
 ClientSampleId :
 TP-15-D

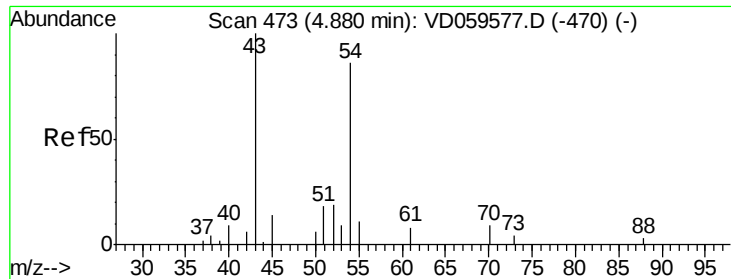
Tot Ion:113 Resp: 93573
 Ion Ratio Lower Upper
 113 100
 111 98.3 80.5 120.7
 192 19.4 14.5 21.7



#36
 1,1-Dichloropropene
 Concen: 7.20 ug/l
 RT: 5.64 min Scan# 550
 Delta R.T. -0.07 min
 Lab File: VD059646.D
 Acq: 31 Jul 2018 4:22

Tgt Ion: 75 Resp: 13450
 Ion Ratio Lower Upper
 75 100
 110 0.0 17.0 50.9#
 77 0.0 23.6 35.4#





#37

Ethyl Acetate

Concen: 44.44 ug/l

RT: 4.79 min Scan# 464

Delta R.T. -0.09 min

Lab File: VD059646.D

Acq: 31 Jul 2018 4:22

Instrument :

MSVOA_D

ClientSampleID :

TP-15-D

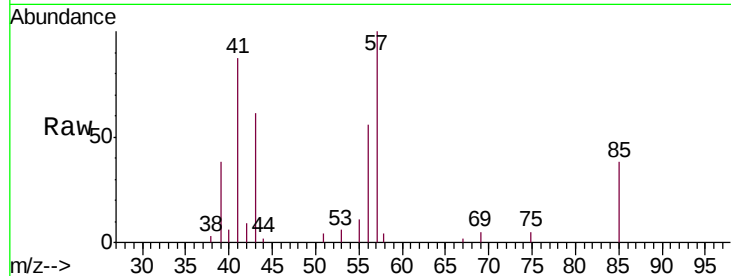
Tot Ion: 43 Resp: 42734

Ion Ratio Lower Upper

43 100

61 0.0 10.7 16.1#

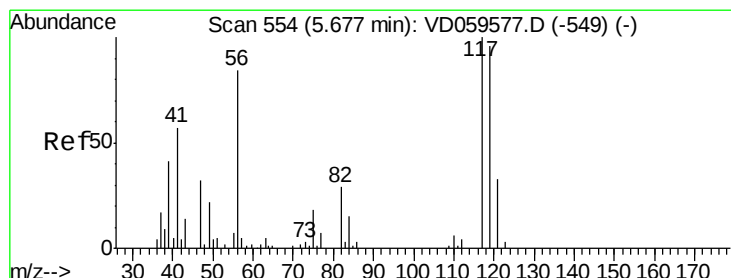
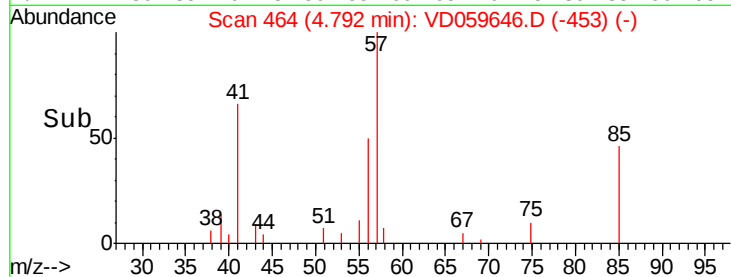
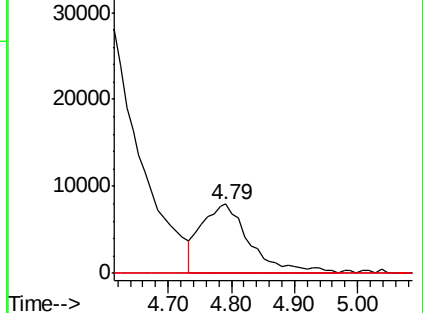
70 0.0 5.4 8.0#



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: 5.24 ug/l

RT: 5.64 min Scan# 550

Delta R.T. -0.04 min

Lab File: VD059646.D

Acq: 31 Jul 2018 4:22

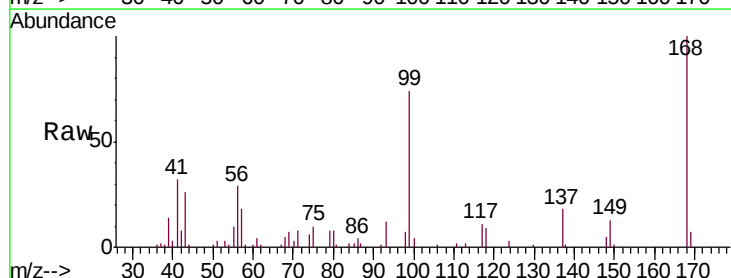
Tgt Ion: 117 Resp: 13420

Ion Ratio Lower Upper

117 100

119 0.0 73.6 110.4#

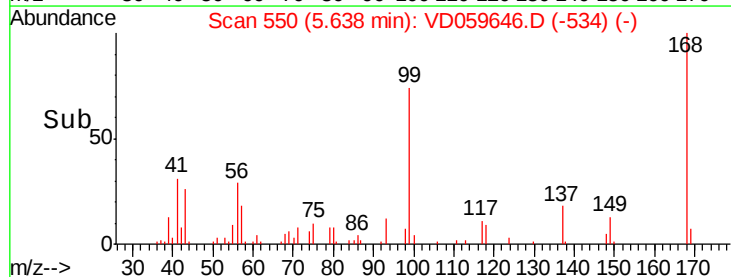
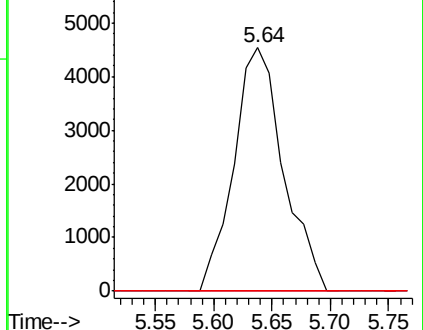
121 0.0 25.0 37.6#

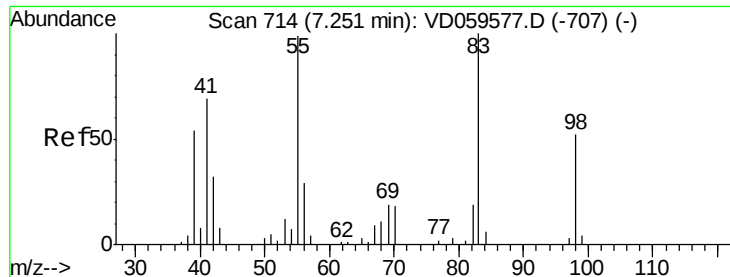


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

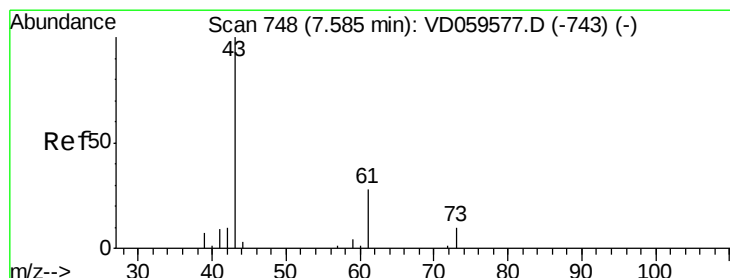
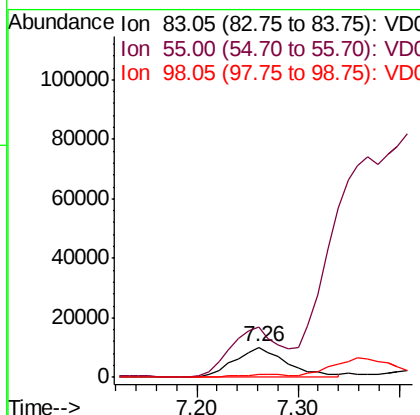
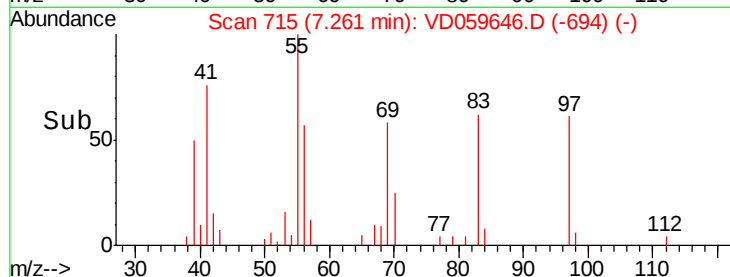
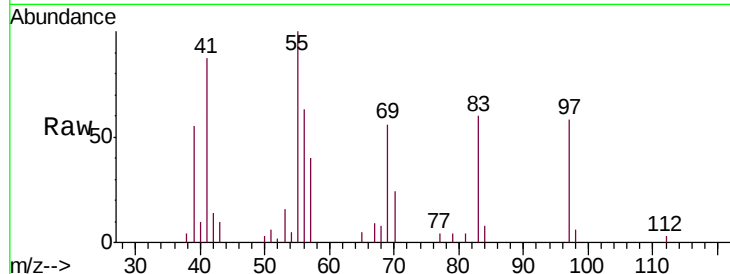




#39
Methylcyclohexane
Concen: 21.05 ug/l
RT: 7.26 min Scan# 715
Delta R.T. 0.01 min
Lab File: VD059646.D
Acq: 31 Jul 2018 4:22

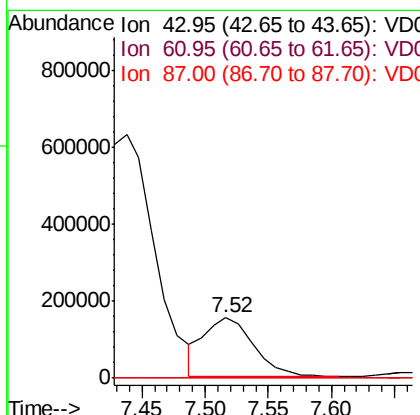
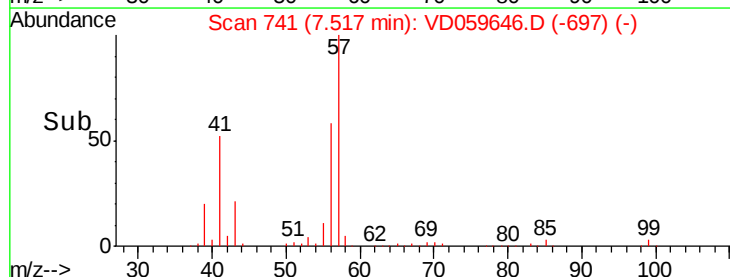
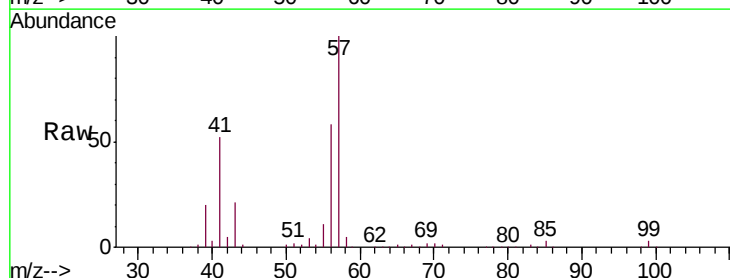
Instrument :
MSVOA_D
ClientSampled :
TP-15-D

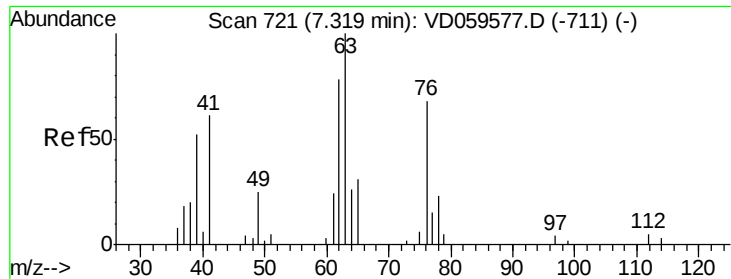
Tot Ion: 83 Resp: 36189
Ion Ratio Lower Upper
83 100
55 167.0 79.4 119.0#
98 9.3 41.6 62.4#



#43
Isopropyl Acetate
Concen: 313.35 ug/l
RT: 7.52 min Scan# 741
Delta R.T. -0.07 min
Lab File: VD059646.D
Acq: 31 Jul 2018 4:22

Tgt Ion: 43 Resp: 417827
Ion Ratio Lower Upper
43 100
61 0.0 22.0 33.0#
87 0.0 0.0 0.0





#45

1,2-Dichloropropane

Concen: 7.35 ug/l

RT: 7.38 min Scan# 727

Delta R.T. 0.06 min

Lab File: VD059646.D

Acq: 31 Jul 2018 4:22

Instrument :

MSVOA_D

ClientSampleId :

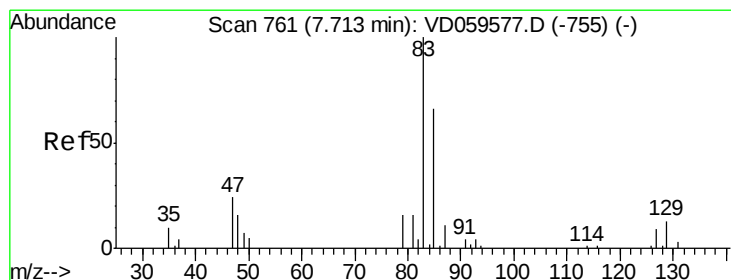
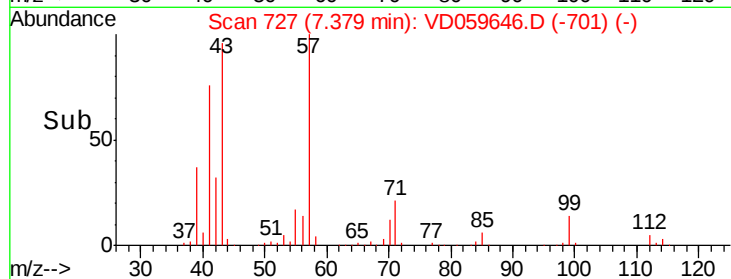
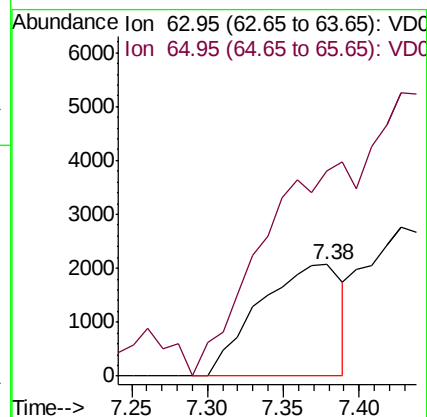
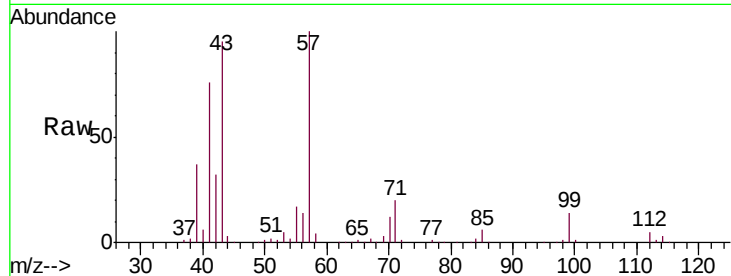
TP-15-D

Tot Ion: 63 Resp: 7892

Ion Ratio Lower Upper

63 100

65 184.5 24.9 37.3#



#47

Bromodichloromethane

Concen: 12.12 ug/l

RT: 7.76 min Scan# 766

Delta R.T. 0.05 min

Lab File: VD059646.D

Acq: 31 Jul 2018 4:22

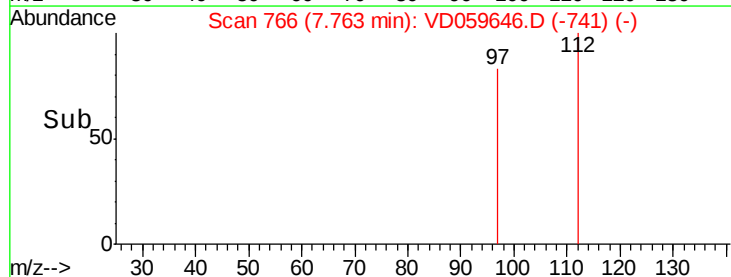
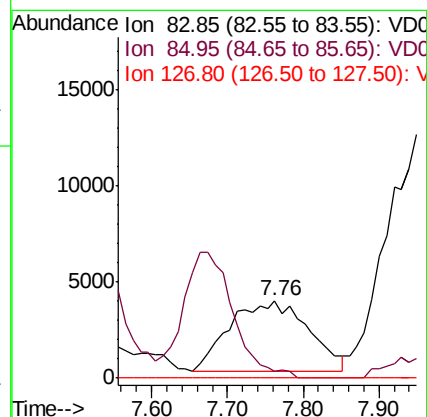
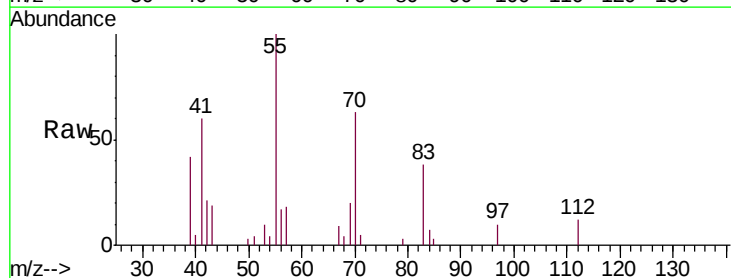
Tgt Ion: 83 Resp: 26266

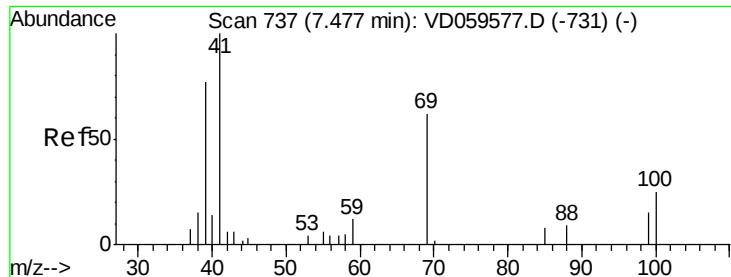
Ion Ratio Lower Upper

83 100

85 8.5 53.1 79.7#

127 0.0 7.4 11.0#

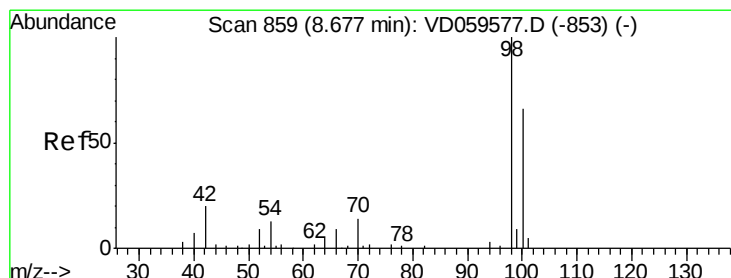
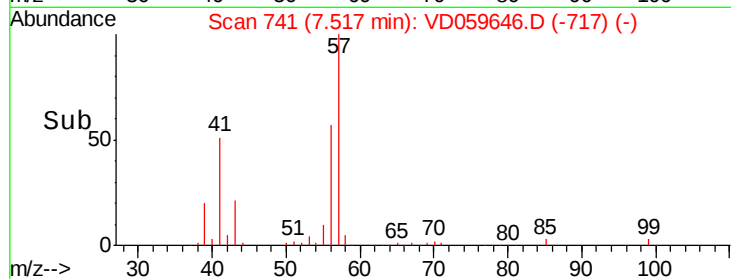
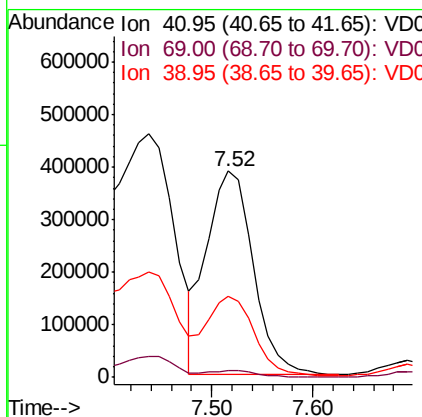
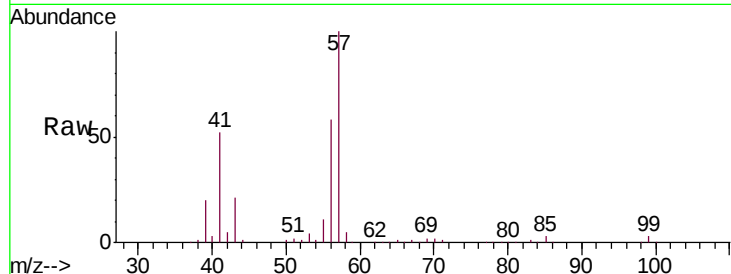




#48
Methyl methacrylate
Concen: 1405.41 ug/l
RT: 7.52 min Scan# 741
Delta R.T. 0.04 min
Lab File: VD059646.D
Acq: 31 Jul 2018 4:22

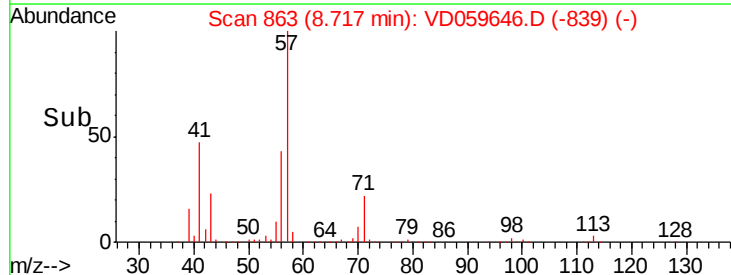
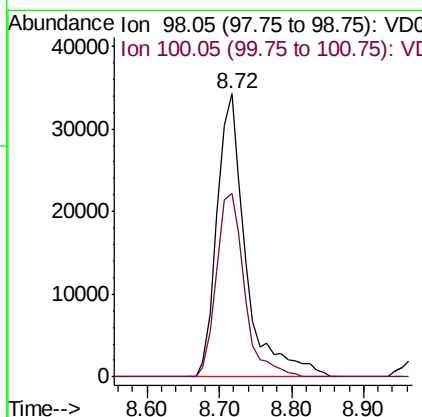
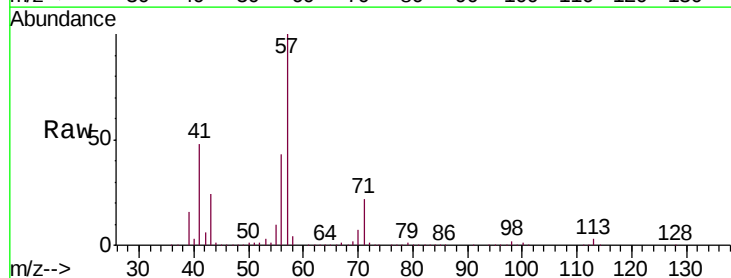
Instrument :
MSVOA_D
ClientSampleId :
TP-15-D

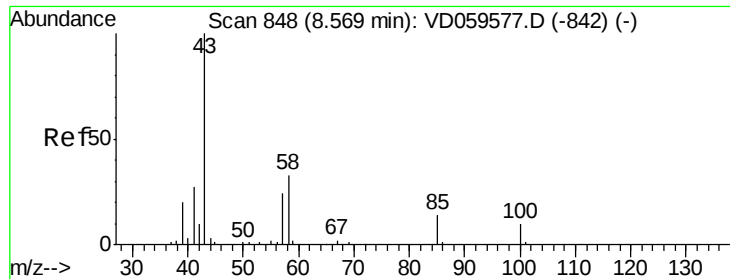
Tot Ion: 41 Resp: 1242817
Ion Ratio Lower Upper
41 100
69 3.4 49.4 74.0#
39 39.0 61.3 91.9#



#50
Toluene-d8
Concen: N.D. ug/l
RT: 8.72 min Scan# 863
Delta R.T. 0.04 min
Lab File: VD059646.D
Acq: 31 Jul 2018 4:22

Tgt Ion: 98 Resp: 94312
Ion Ratio Lower Upper
98 100
100 65.0 53.2 79.8





#51

4-Methyl-2-Pentanone

Concen: 2867.26 ug/l

RT: 8.75 min Scan# 866

Delta R.T. 0.18 min

Lab File: VD059646.D

Acq: 31 Jul 2018 4:22

Instrument :

MSVOA_D

ClientSampleId :

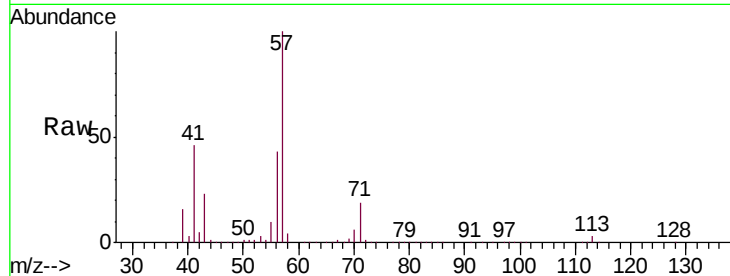
TP-15-D

Tot Ion: 43 Resp: 2553084

Ion Ratio Lower Upper

43 100

58 18.0 26.3 39.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

8.75

500000

400000

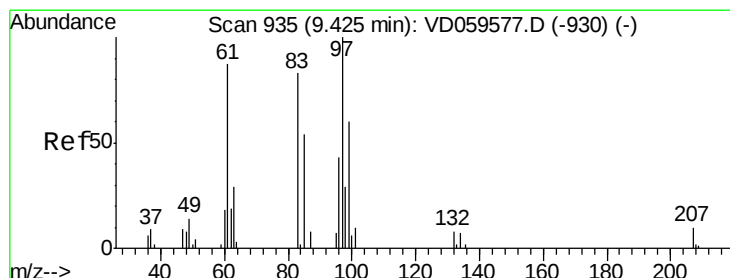
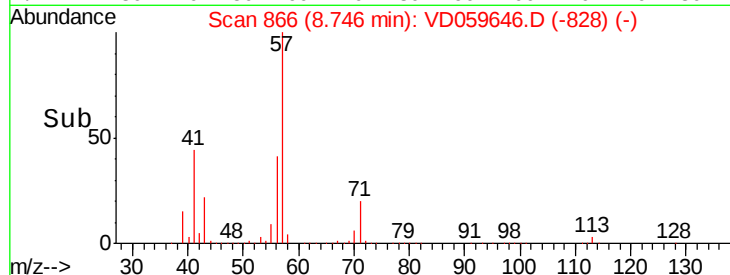
300000

200000

100000

0

Time-->



#55

1,1,2-Trichloroethane

Concen: 9.15 ug/l

RT: 9.55 min Scan# 948

Delta R.T. 0.13 min

Lab File: VD059646.D

Acq: 31 Jul 2018 4:22

Tgt Ion: 97 Resp: 8740

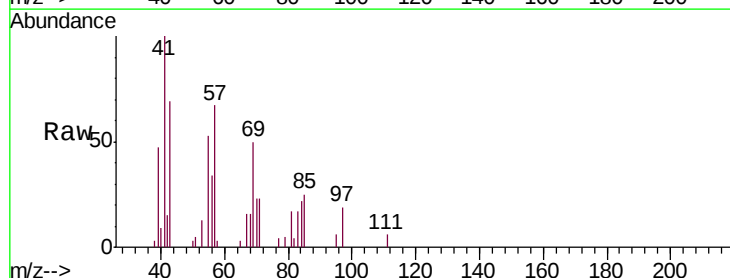
Ion Ratio Lower Upper

97 100

83 91.5 66.3 99.5

85 132.2 43.0 64.6#

99 0.0 47.7 71.5#



Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC

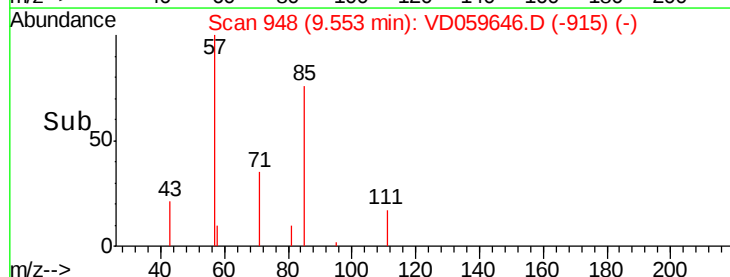
600000

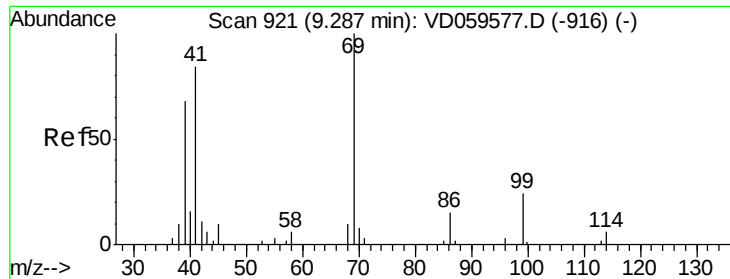
400000

200000

0

Time-->





#56

Ethyl methacrylate

Concen: 70.13 ug/l

RT: 9.36 min Scan# 928

Delta R.T. 0.07 min

Lab File: VD059646.D

Acq: 31 Jul 2018 4:22

Instrument :

MSVOA_D

ClientSampleId :

TP-15-D

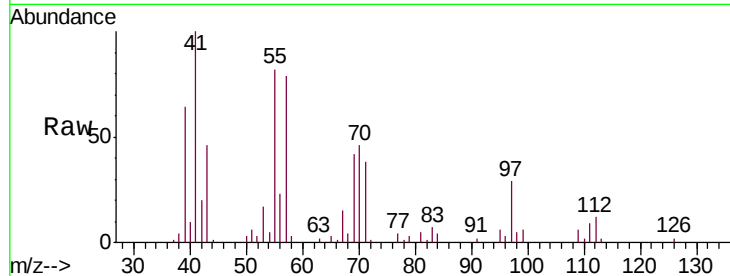
Tot Ion: 69 Resp: 75983

Ion Ratio Lower Upper

69 100

41 239.7 66.8 100.2#

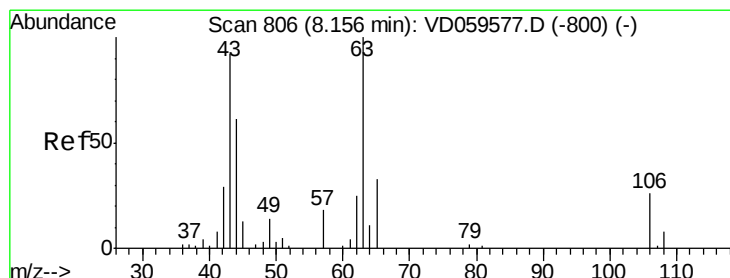
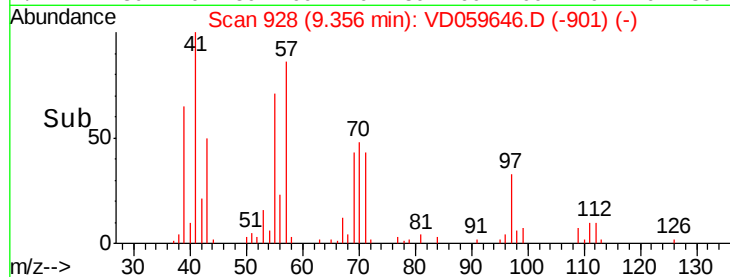
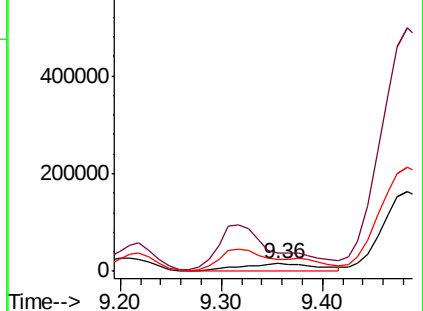
39 154.5 54.7 82.1#



Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 68.31 ug/l

RT: 8.18 min Scan# 808

Delta R.T. 0.02 min

Lab File: VD059646.D

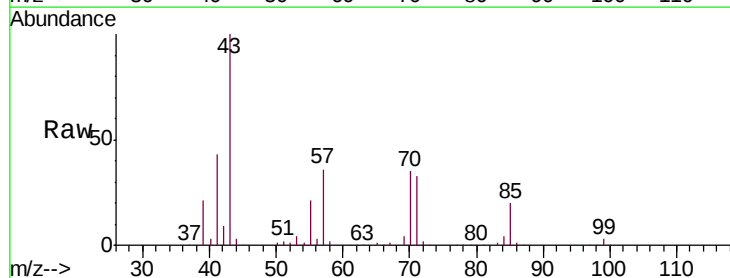
Acq: 31 Jul 2018 4:22

Tgt Ion: 63 Resp: 34777

Ion Ratio Lower Upper

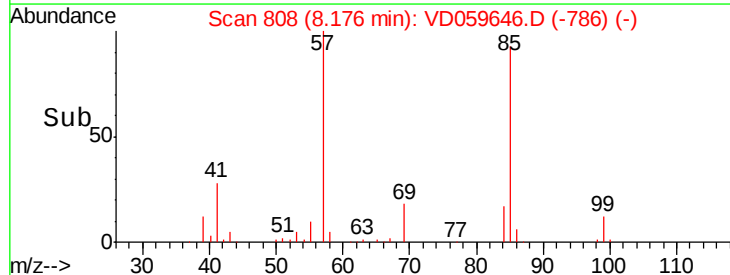
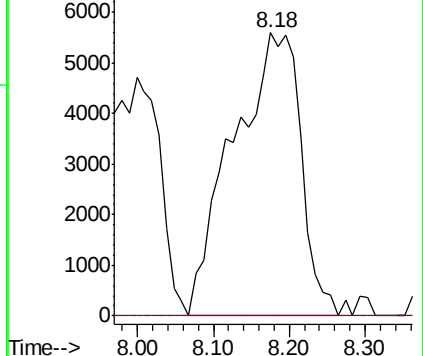
63 100

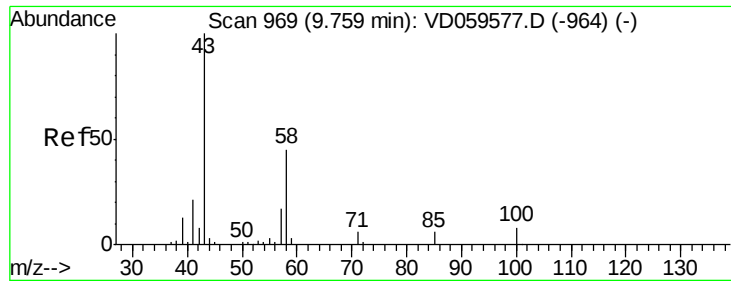
106 0.0 21.0 31.6#



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

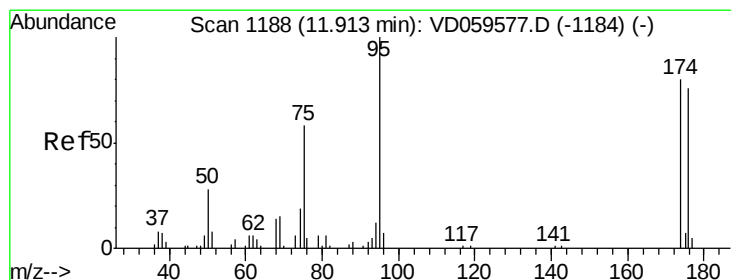
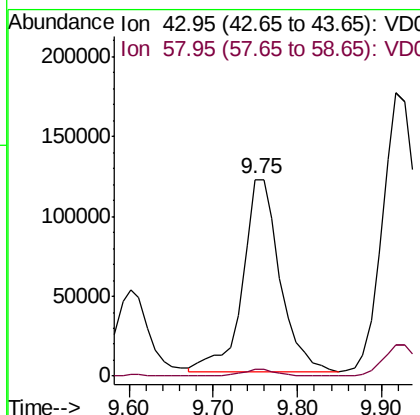
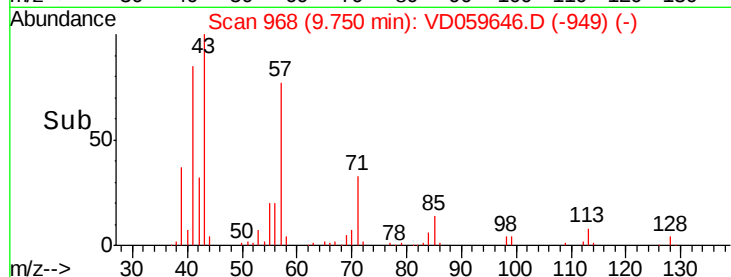
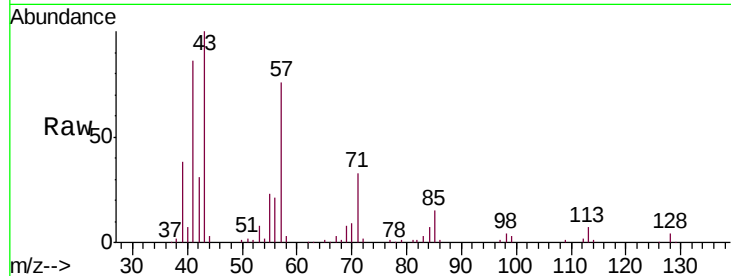




#59
2-Hexanone
Concen: 525.91 ug/l
RT: 9.75 min Scan# 968
Delta R.T. -0.01 min
Lab File: VD059646.D
Acq: 31 Jul 2018 4:22

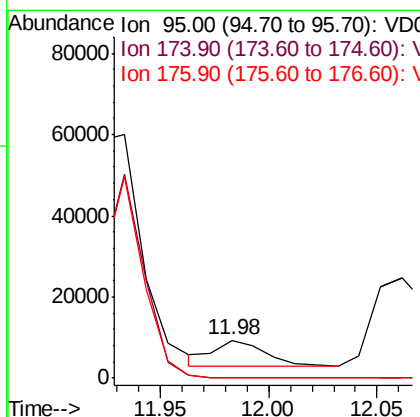
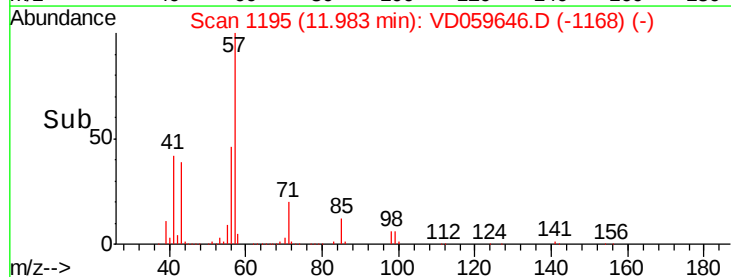
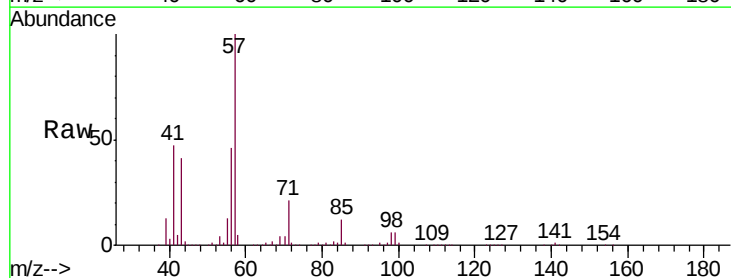
Instrument :
MSVOA_D
ClientSampleId :
TP-15-D

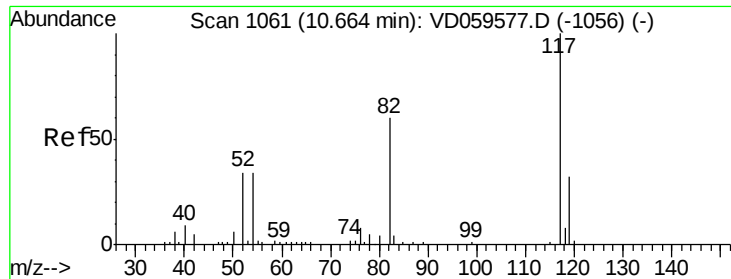
Tot Ion: 43 Resp: 371959
Ion Ratio Lower Upper
43 100
58 3.5 22.7 68.1#



#62
4-Bromofluorobenzene
Concen: Below ug/l
RT: 11.98 min Scan# 1195
Delta R.T. 0.07 min
Lab File: VD059646.D
Acq: 31 Jul 2018 4:22

Tgt Ion: 95 Resp: 10182
Ion Ratio Lower Upper
95 100
174 0.0 0.0 160.6
176 0.0 0.0 152.8

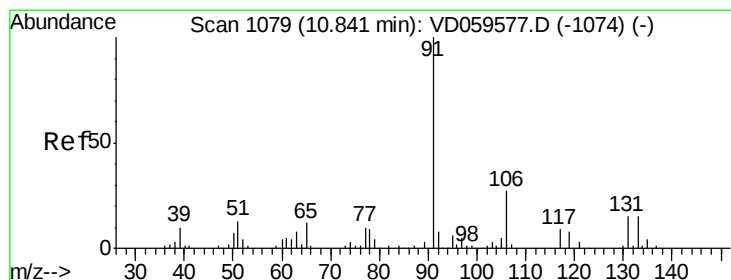
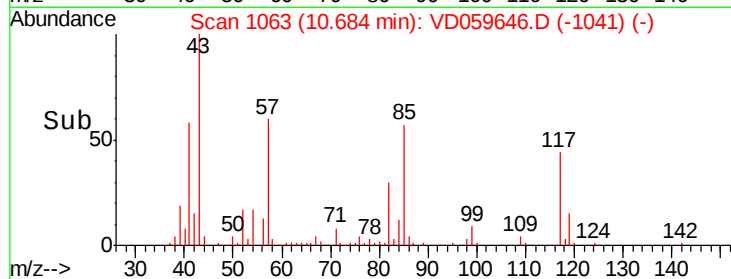
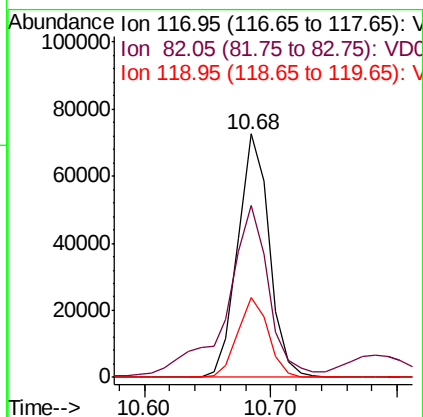
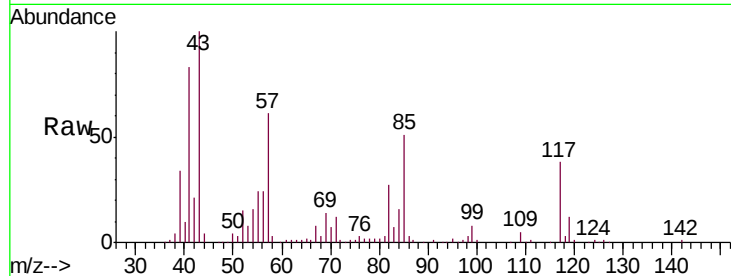




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.68 min Scan# 1063
Delta R.T. 0.02 min
Lab File: VD059646.D
Acq: 31 Jul 2018 4:22

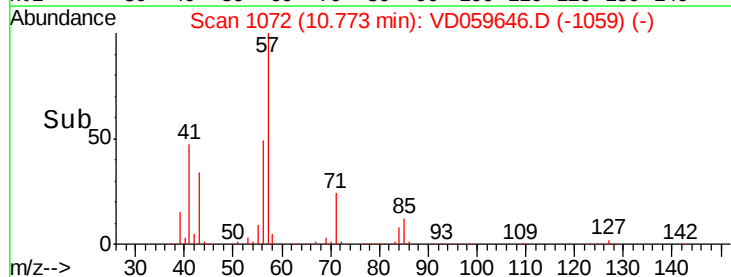
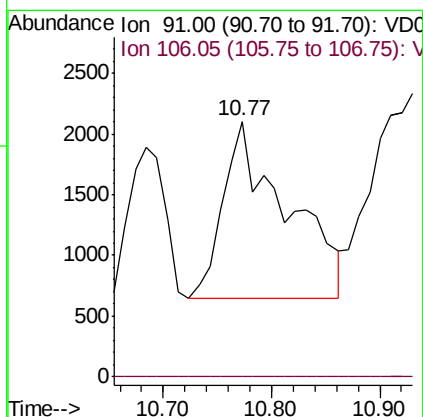
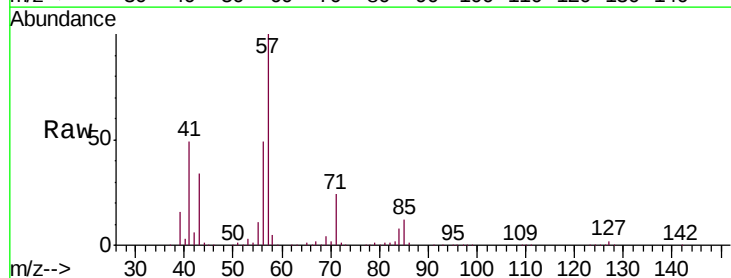
Instrument :
MSVOA_D
ClientSampleID :
TP-15-D

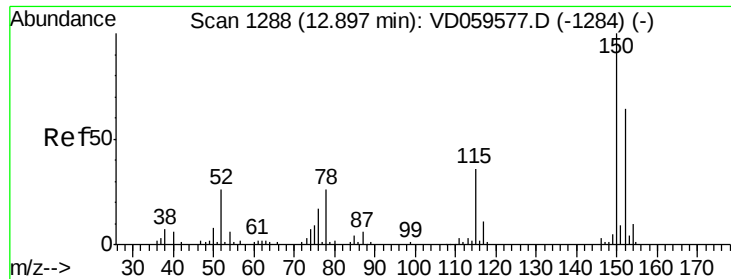
Tot Ion:117 Resp: 125038
Ion Ratio Lower Upper
117 100
82 70.7 48.2 72.2
119 32.8 25.4 38.2



#67
Ethyl Benzene
Concen: 1.36 ug/l
RT: 10.77 min Scan# 1072
Delta R.T. -0.07 min
Lab File: VD059646.D
Acq: 31 Jul 2018 4:22

Tgt Ion: 91 Resp: 5995
Ion Ratio Lower Upper
91 100
106 0.0 21.6 32.4#





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.92 min Scan# 1290

Delta R.T. 0.02 min

Lab File: VD059646.D

Acq: 31 Jul 2018 4:22

Instrument :

MSVOA_D

ClientSampleId :

TP-15-D

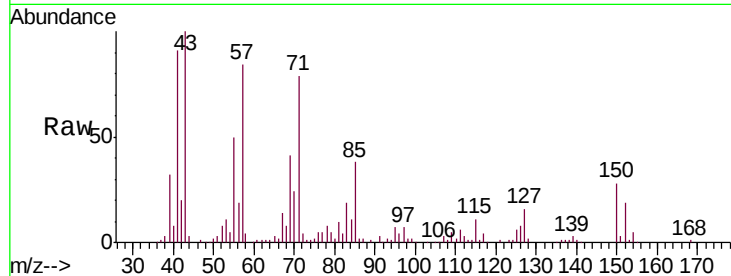
Tot Ion:152 Resp: 87917

Ion Ratio Lower Upper

152 100

115 56.4 29.5 88.6

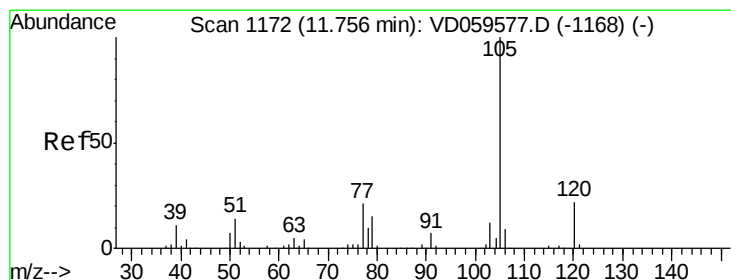
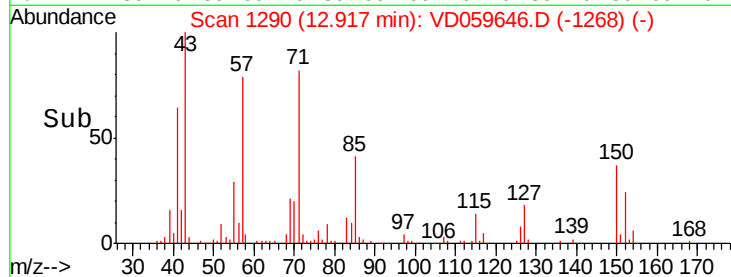
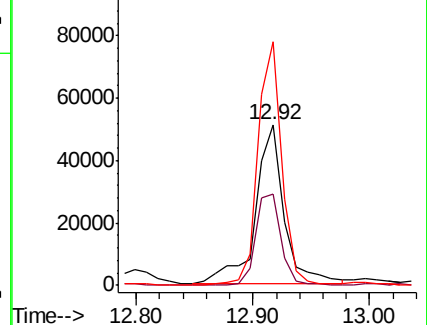
150 151.3 0.0 314.4



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



#73

Isopropylbenzene

Concen: 1.26 ug/l

RT: 11.78 min Scan# 1174

Delta R.T. 0.02 min

Lab File: VD059646.D

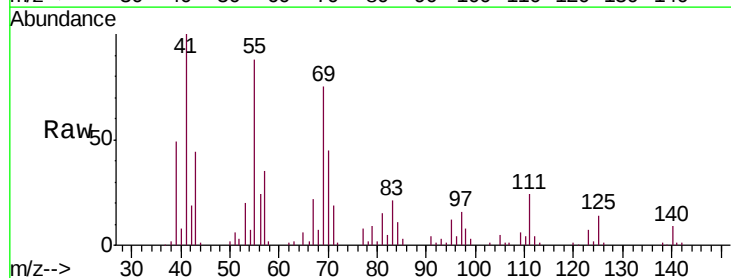
Acq: 31 Jul 2018 4:22

Tgt Ion:105 Resp: 7803

Ion Ratio Lower Upper

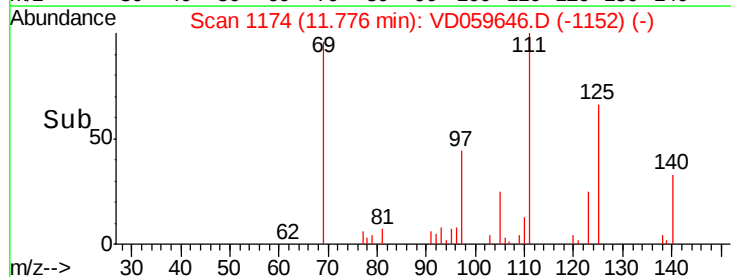
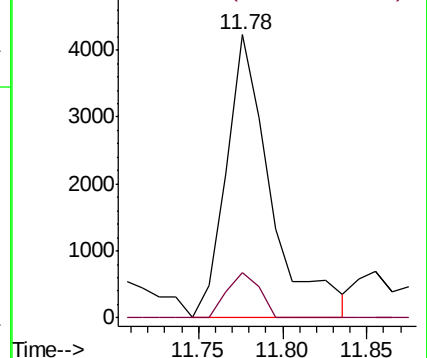
105 100

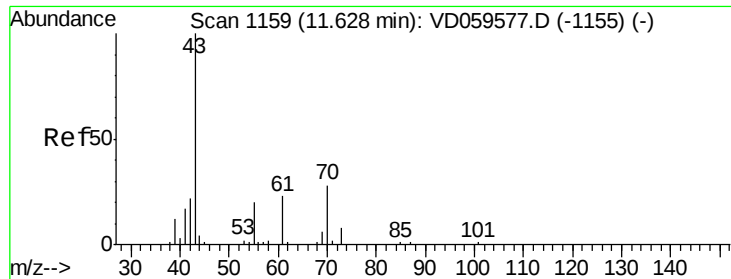
120 16.1 10.9 32.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#74

N-amvl acetate

Concen: 157.00 ug/l

RT: 11.68 min Scan# 1164

Delta R.T. 0.05 min

Lab File: VD059646.D

Acq: 31 Jul 2018 4:22

Instrument :

MSVOA_D

ClientSampled :

TP-15-D

Tot Ion: 43 Resp: 334097

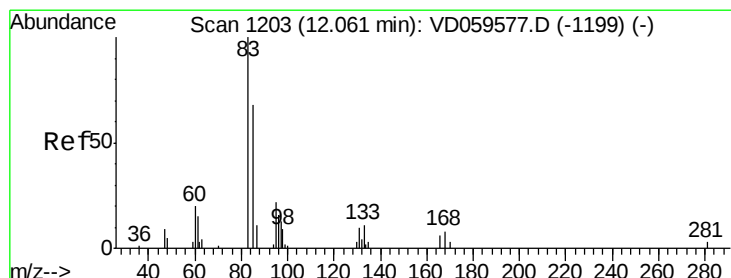
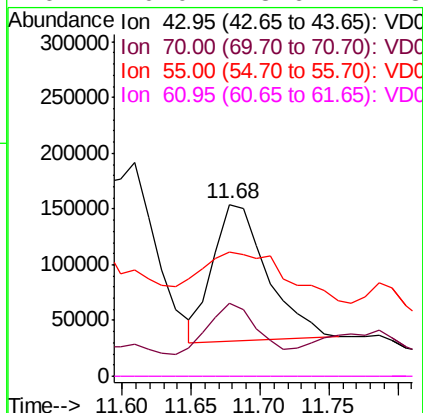
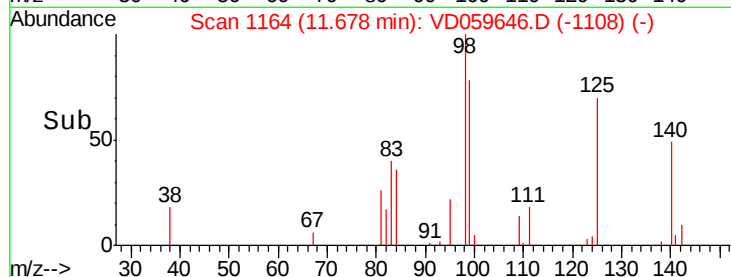
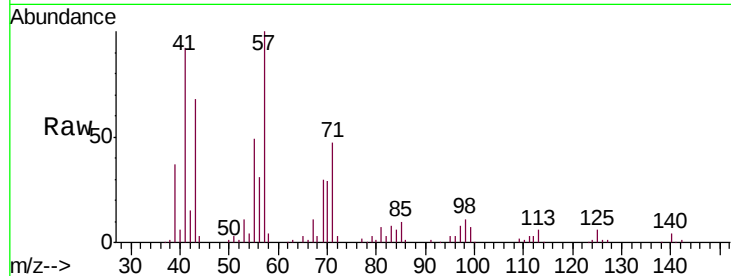
Ion Ratio Lower Upper

43 100

70 42.3 22.0 33.0#

55 72.1 16.2 24.2#

61 0.0 18.6 27.8#



#75

1,1,2,2-Tetrachloroethane

Concen: 114.03 ug/l

RT: 12.10 min Scan# 1207

Delta R.T. 0.04 min

Lab File: VD059646.D

Acq: 31 Jul 2018 4:22

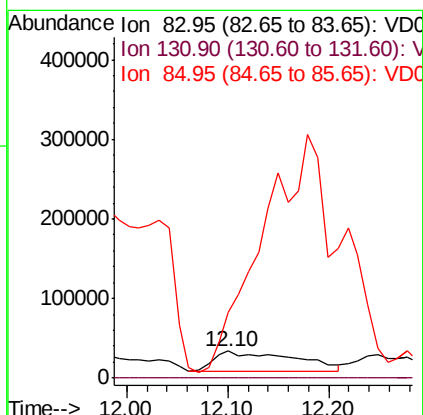
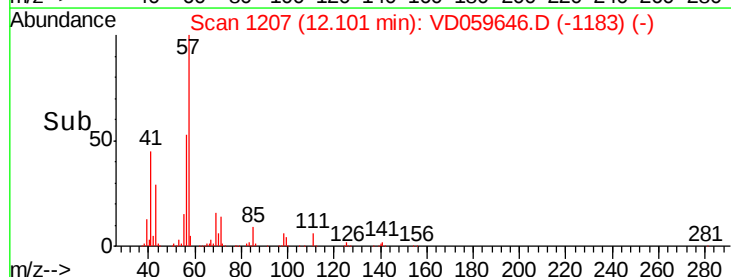
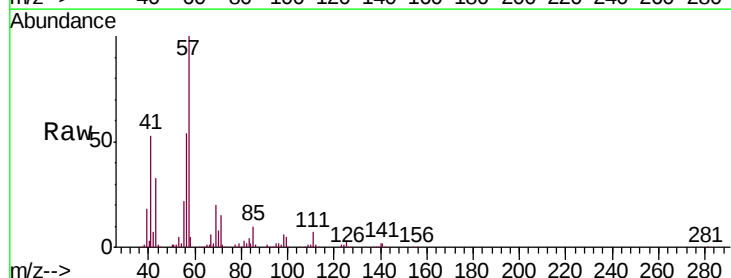
Tgt Ion: 83 Resp: 144599

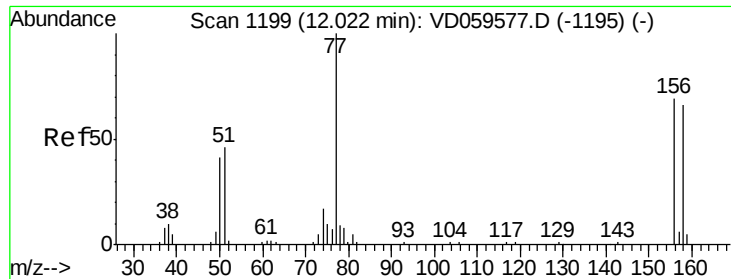
Ion Ratio Lower Upper

83 100

131 0.0 5.1 15.2#

85 245.8 34.1 102.3#





#77

Bromobenzene

Concen: 2.33 ug/l

RT: 11.99 min Scan# 1196

Delta R.T. -0.03 min

Lab File: VD059646.D

Acq: 31 Jul 2018 4:22

Instrument :

MSVOA_D

ClientSampleId :

TP-15-D

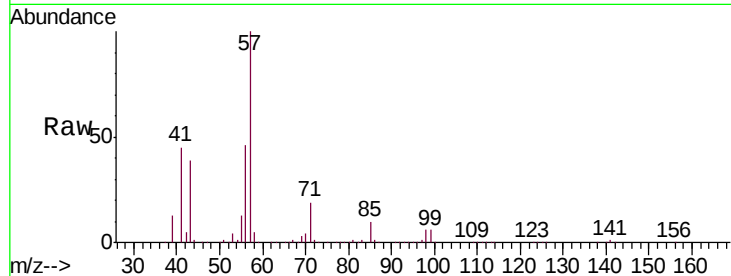
Tot Ion:156 Resp: 4232

Ion Ratio Lower Upper

156 100

77 546.0 72.4 217.2#

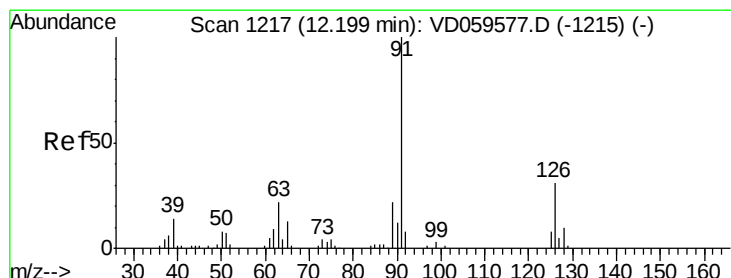
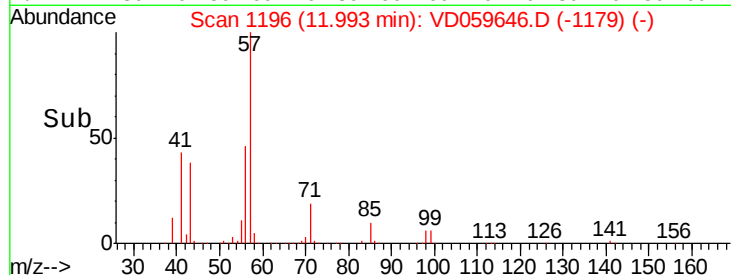
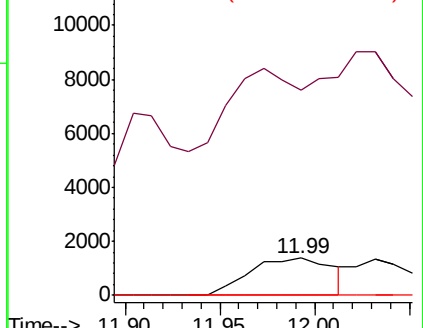
158 0.0 48.0 144.2#



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#79

2-Chlorotoluene

Concen: 1.25 ug/l

RT: 12.17 min Scan# 1214

Delta R.T. -0.03 min

Lab File: VD059646.D

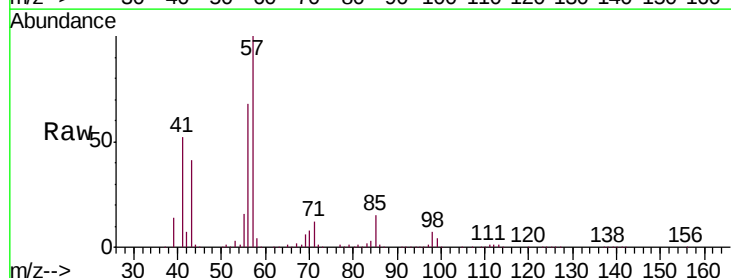
Acq: 31 Jul 2018 4:22

Tgt Ion: 91 Resp: 5646

Ion Ratio Lower Upper

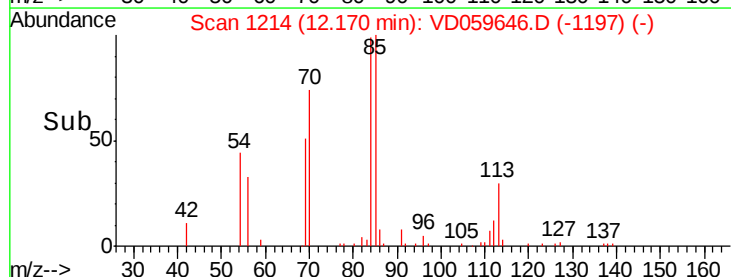
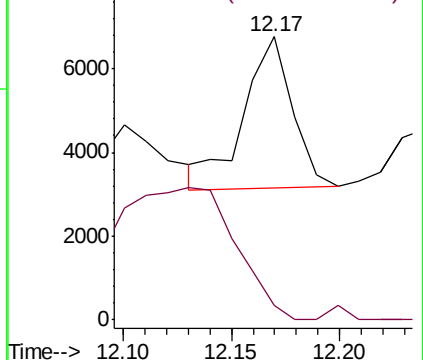
91 100

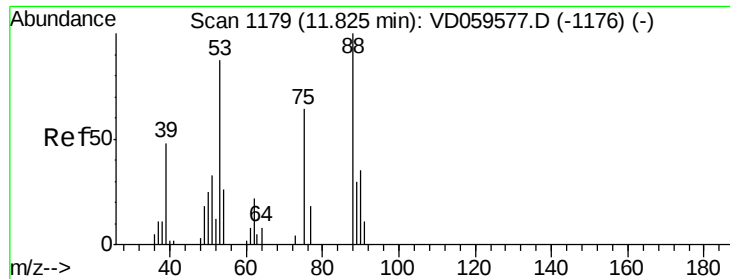
126 5.3 14.5 43.6#



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V

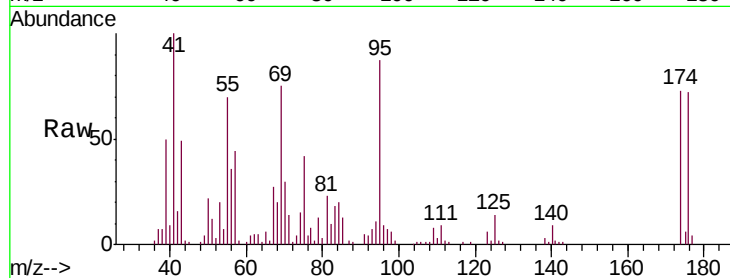




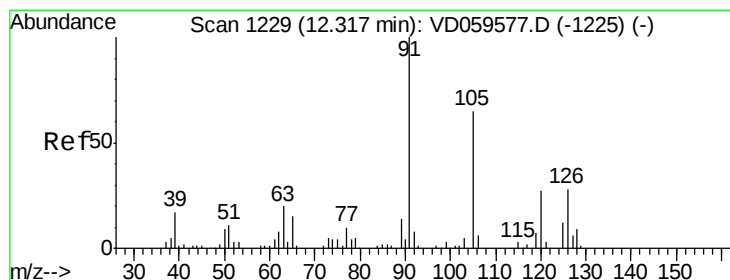
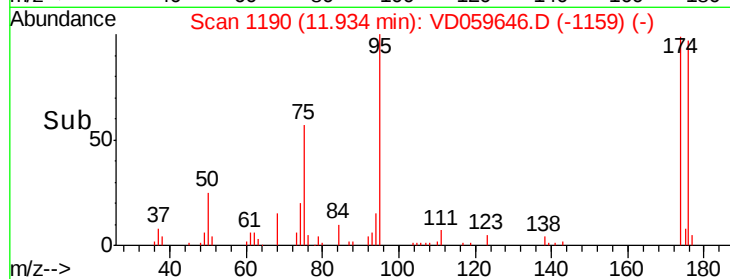
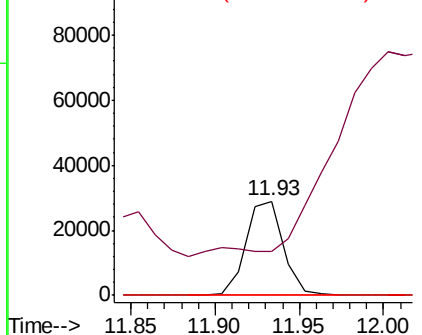
#81
trans-1,4-Dichloro-2-butene
Concen: 119.33 ug/l
RT: 11.93 min Scan# 1190
Delta R.T. 0.11 min
Lab File: VD059646.D
Acq: 31 Jul 2018 4:22

Instrument :
MSVOA_D
ClientSampleId :
TP-15-D

Tot Ion: 75 Resp: 44357
Ion Ratio Lower Upper
75 100
53 46.8 107.7 161.5#
89 0.0 37.3 55.9#

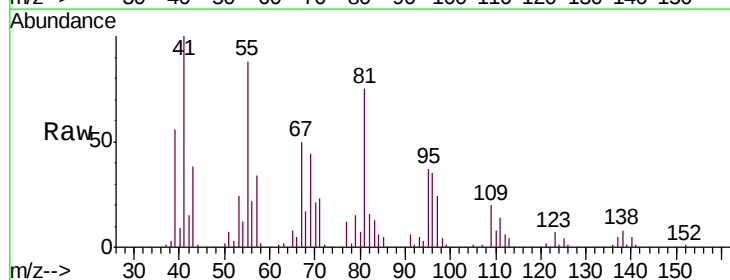


Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC

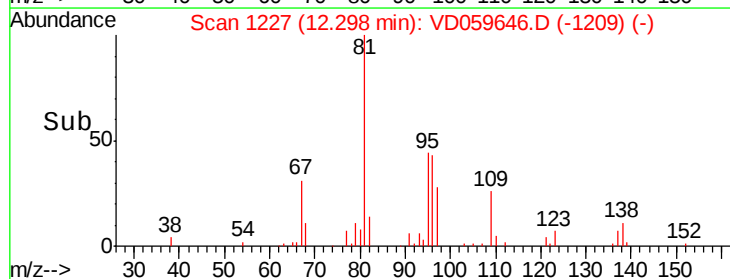
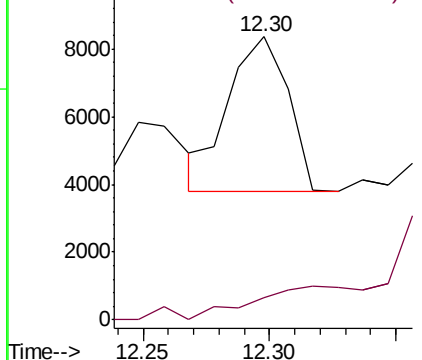


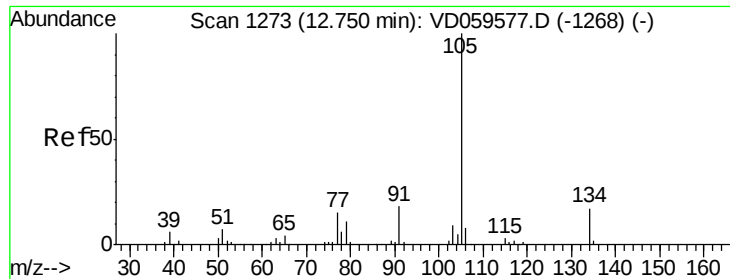
#82
4-Chlorotoluene
Concen: 1.47 ug/l
RT: 12.30 min Scan# 1227
Delta R.T. -0.02 min
Lab File: VD059646.D
Acq: 31 Jul 2018 4:22

Tgt Ion: 91 Resp: 7477
Ion Ratio Lower Upper
91 100
126 7.8 14.1 42.4#



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.95 (125.65 to 126.65): V

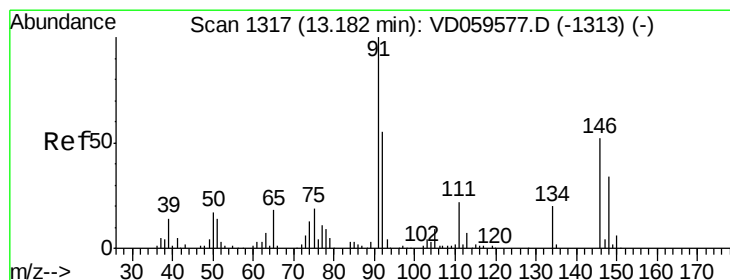
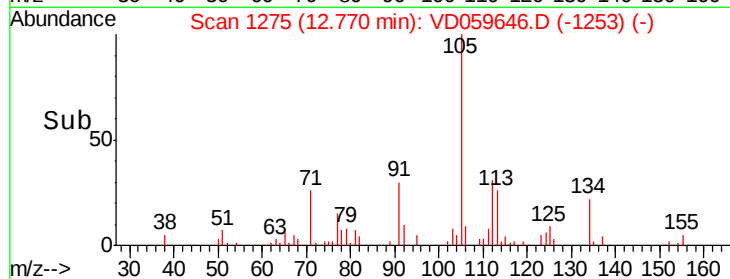
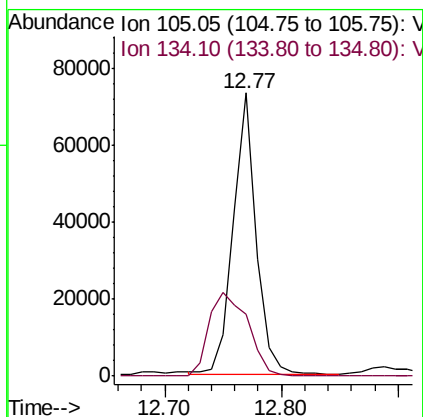
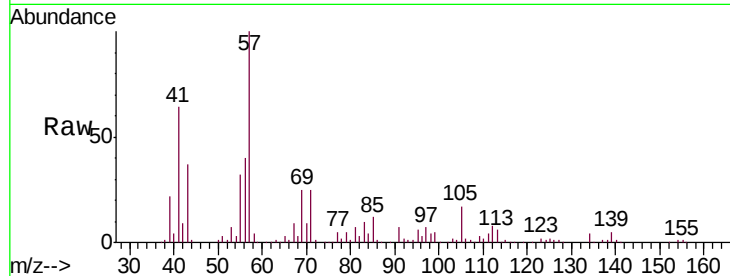




#85
 sec-Butylbenzene
 Concen: 15.84 ug/l
 RT: 12.77 min Scan# 1275
 Delta R.T. 0.02 min
 Lab File: VD059646.D
 Acq: 31 Jul 2018 4:22

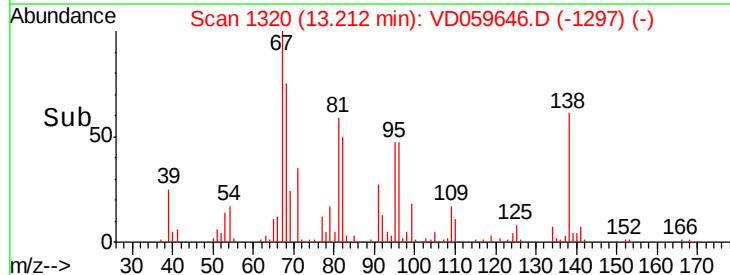
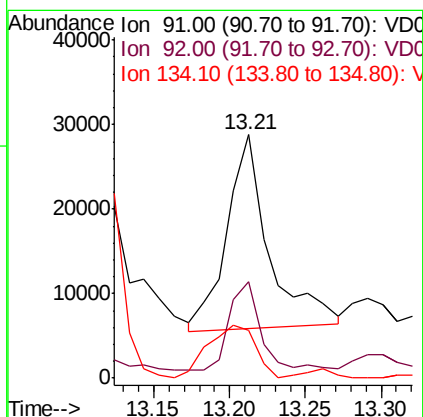
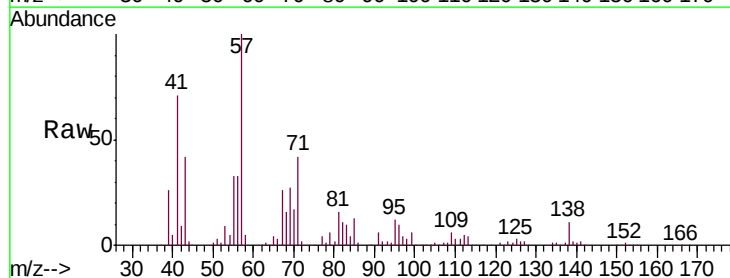
Instrument :
 MSVOA_D
 ClientSampleId :
 TP-15-D

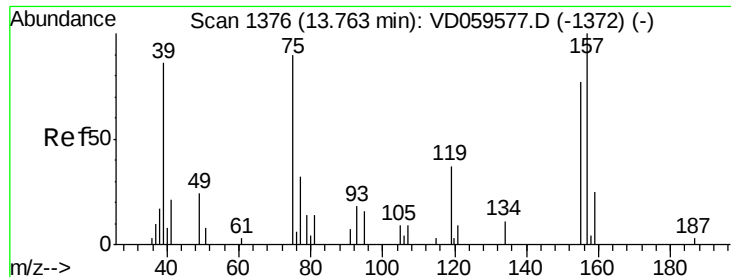
Tot Ion: 105 Resp: 99952
 Ion Ratio Lower Upper
 105 100
 134 21.8 8.8 26.2



#89
 n-Butylbenzene
 Concen: 8.64 ug/l
 RT: 13.21 min Scan# 1320
 Delta R.T. 0.03 min
 Lab File: VD059646.D
 Acq: 31 Jul 2018 4:22

Tgt Ion: 91 Resp: 44355
 Ion Ratio Lower Upper
 91 100
 92 39.6 27.6 82.7
 134 19.4 10.1 30.3





#92

1,2-Dibromo-3-Chloropropane

Concen: 11.09 ug/l

RT: 13.71 min Scan# 1371

Delta R.T. -0.05 min

Lab File: VD059646.D

Acq: 31 Jul 2018 4:22

Instrument :

MSVOA_D

ClientSampleId :

TP-15-D

Tot Ion: 75 Resp: 2836

Ion Ratio Lower Upper

75 100

155 0.0 42.5 127.5#

157 0.0 55.5 166.3#

