

Data Path : W:\HPCHEM1\MSVOA D\DATA\VD010616\
 Data File : VD048318.D
 Acq On : 6 Jan 2016 12:58
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 07 04:25:29 2016
 Quant Method : W:\HPCHEM1\MSVOA_D\METHOD\82D010416S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 04 14:08:32 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.25	168	192483	50.00	ug/l	-0.03
33) 1,4-Difluorobenzene	7.38	114	322426	50.00	ug/l	-0.03
62) Chlorobenzene-d5	11.54	117	323564	50.00	ug/l	-0.03
71) 1,4-Dichlorobenzene-d4	13.88	152	148507	50.00	ug/l	-0.03

System Monitoring Compounds

32) 1,2-Dichloroethane-d4	6.66	65	115411	48.92	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	97.84%	
34) Dibromofluoromethane	6.15	113	117896	54.15	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	108.30%	
49) Toluene-d8	9.56	98	295942	41.12	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	82.24%	
61) 4-Bromofluorobenzene	12.81	95	158351	50.67	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	101.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.40	85	107964	43.36	ug/l	96
3) Chloromethane	1.60	50	59540	39.02	ug/l	98
4) Vinyl Chloride	1.66	62	61524	43.71	ug/l	99
5) Bromomethane	1.95	94	37637	40.75	ug/l	97
6) Chloroethane	2.05	64	33681	41.67	ug/l	100
7) Trichlorofluoromethane	2.29	101	143359	45.78	ug/l	99
8) Diethyl Ether	2.60	74	46098	50.50	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.85	101	100858	48.49	ug/l	98
10) Methyl Iodide	3.02	142	75694	44.30	ug/l	94
11) Tert butyl alcohol	3.64	59	22098	218.49	ug/l #	91
12) 1,1-Dichloroethene	2.84	96	82844	46.40	ug/l	97
13) Acrolein	2.74	56	39709	216.22	ug/l	98
14) Allyl chloride	3.29	41	174083	47.81	ug/l	96
15) Acrylonitrile	3.79	53	92674	246.18	ug/l	93
16) Acetone	2.90	43	116932	257.64	ug/l	94
17) Carbon Disulfide	3.09	76	289691	46.09	ug/l	99
18) Methyl Acetate	3.29	43	59786	47.75	ug/l	98
19) Methyl tert-butyl Ether	3.85	73	189017	49.11	ug/l	99
20) Methylene Chloride	3.46	84	101372	42.80	ug/l	98
21) trans-1,2-Dichloroethene	3.84	96	91693	46.43	ug/l	98
22) Diisopropyl ether	4.60	45	332285	48.32	ug/l	98
23) Vinyl Acetate	4.55	43	963077	283.83	ug/l	99
24) 1,1-Dichloroethane	4.51	63	191479	47.84	ug/l	100
25) 2-Butanone	5.39	43	137466	251.00	ug/l	99
26) 2,2-Dichloropropane	5.38	77	172433	46.28	ug/l	95
27) cis-1,2-Dichloroethene	5.38	96	107945	46.92	ug/l	97
28) Bromochloromethane	5.74	49	76056	45.64	ug/l	95
29) Chloroform	5.92	83	203860	46.39	ug/l	99
30) Cyclohexane	6.22	56	146342	43.85	ug/l	98
31) 1,1,1-Trichloroethane	6.12	97	162292	47.46	ug/l	96
35) 1,1-Dichloropropene	6.37	75	161697	50.40	ug/l	96
36) Ethyl Acetate	5.48	43	66914	47.23	ug/l	98
37) Carbon Tetrachloride	6.35	117	142111	49.74	ug/l	96
38) Methylcyclohexane	8.03	83	169801	49.18	ug/l	96

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Benzene	6.67	78	398580	46.60	ug/l	98
40) Methacrylonitrile	5.70	41	42608	51.29	ug/l	98
41) 1,2-Dichloroethane	6.77	62	138868	51.70	ug/l	99
42) Isopropyl Acetate	8.35	43	98906	49.11	ug/l #	97
43) Trichloroethene	7.69	130	122293	50.74	ug/l	100
44) 1,2-Dichloropropane	8.09	63	114464	48.24	ug/l	97
45) Dibromomethane	8.21	93	64392	49.82	ug/l	98
46) Bromodichloromethane	8.51	83	160393	51.97	ug/l	96
47) Methyl methacrylate	8.03	41	90777	47.33	ug/l	98
48) 1,4-Dioxane	8.23	88	12780	1098.71	ug/l #	85
50) 4-Methyl-2-Pentanone	9.43	43	297371	222.11	ug/l	98
51) Toluene	9.66	92	225316	42.14	ug/l	99
52) t-1,3-Dichloropropene	10.07	75	148884	47.88	ug/l	96
53) cis-1,3-Dichloropropene	9.18	75	138742	37.83	ug/l	93
54) 1,1,2-Trichloroethane	10.35	97	80871	49.61	ug/l	95
55) Ethyl methacrylate	10.19	69	101964	48.19	ug/l	92
56) 1,3-Dichloropropane	10.56	76	167762	51.62	ug/l	98
57) 2-Chloroethyl Vinyl ether	8.97	63	246840	222.76	ug/l	100
58) 2-Hexanone	10.66	43	260970	267.83	ug/l	100
59) Dibromochloromethane	10.84	129	112840	52.23	ug/l	97
60) 1,2-Dibromoethane	10.97	107	89013	50.94	ug/l	99
63) Tetrachloroethene	10.42	164	97249	48.51	ug/l	99
64) Chlorobenzene	11.57	112	314575	48.78	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.68	131	114011	49.57	ug/l	98
66) Ethyl Benzene	11.69	91	552140	48.39	ug/l	99
67) m/p-Xylenes	11.84	106	407998	100.95	ug/l	96
68) o-Xylene	12.26	106	199007	51.18	ug/l	93
69) Styrene	12.28	104	326657	52.52	ug/l	98
70) Bromoform	12.46	173	58211	51.63	ug/l	95
72) Isopropylbenzene	12.63	105	550160	48.52	ug/l	99
73) N-amyl acetate	12.46	43	171343	53.60	ug/l	95
74) 1,1,2,2-Tetrachloroethane	12.95	83	103512	49.18	ug/l	99
75) 1,2,3-Trichloropropane	12.99	75	121803	51.70	ug/l	99
76) Bromobenzene	12.94	156	128457	48.51	ug/l	97
77) n-propylbenzene	13.04	91	705950	48.31	ug/l	96
78) 2-Chlorotoluene	13.12	91	397284	48.62	ug/l	94
79) 1,3,5-Trimethylbenzene	13.21	105	442070	50.09	ug/l	98
80) trans-1,4-Dichloro-2-buten	12.70	75	32318	46.41	ug/l	95
81) 4-Chlorotoluene	13.24	91	461207	48.86	ug/l	96
82) tert-Butylbenzene	13.51	119	514043	60.12	ug/l	98
83) 1,2,4-Trimethylbenzene	13.56	105	448517	49.37	ug/l	97
84) sec-Butylbenzene	13.70	105	594759	49.04	ug/l	97
85) p-Isopropyltoluene	13.84	119	503684	49.91	ug/l	98
86) 1,3-Dichlorobenzene	13.81	146	245804	48.45	ug/l	96
87) 1,4-Dichlorobenzene	13.90	146	247645	48.90	ug/l	99
88) n-Butylbenzene	14.19	91	496931	49.25	ug/l	99
89) Hexachloroethane	14.44	117	99056	48.17	ug/l	86
90) 1,2-Dichlorobenzene	14.21	146	215515	48.31	ug/l	98
91) 1,2-Dibromo-3-Chloropropan	14.86	75	13279	48.47	ug/l	90
92) 1,2,4-Trichlorobenzene	15.54	180	138303	51.64	ug/l	96

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BNA_F
ClientSampleId :

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Quant Title : SW846 8260
QLast Update : Mon Jan 04 14:08:32 2016
Response via : Initial Calibration

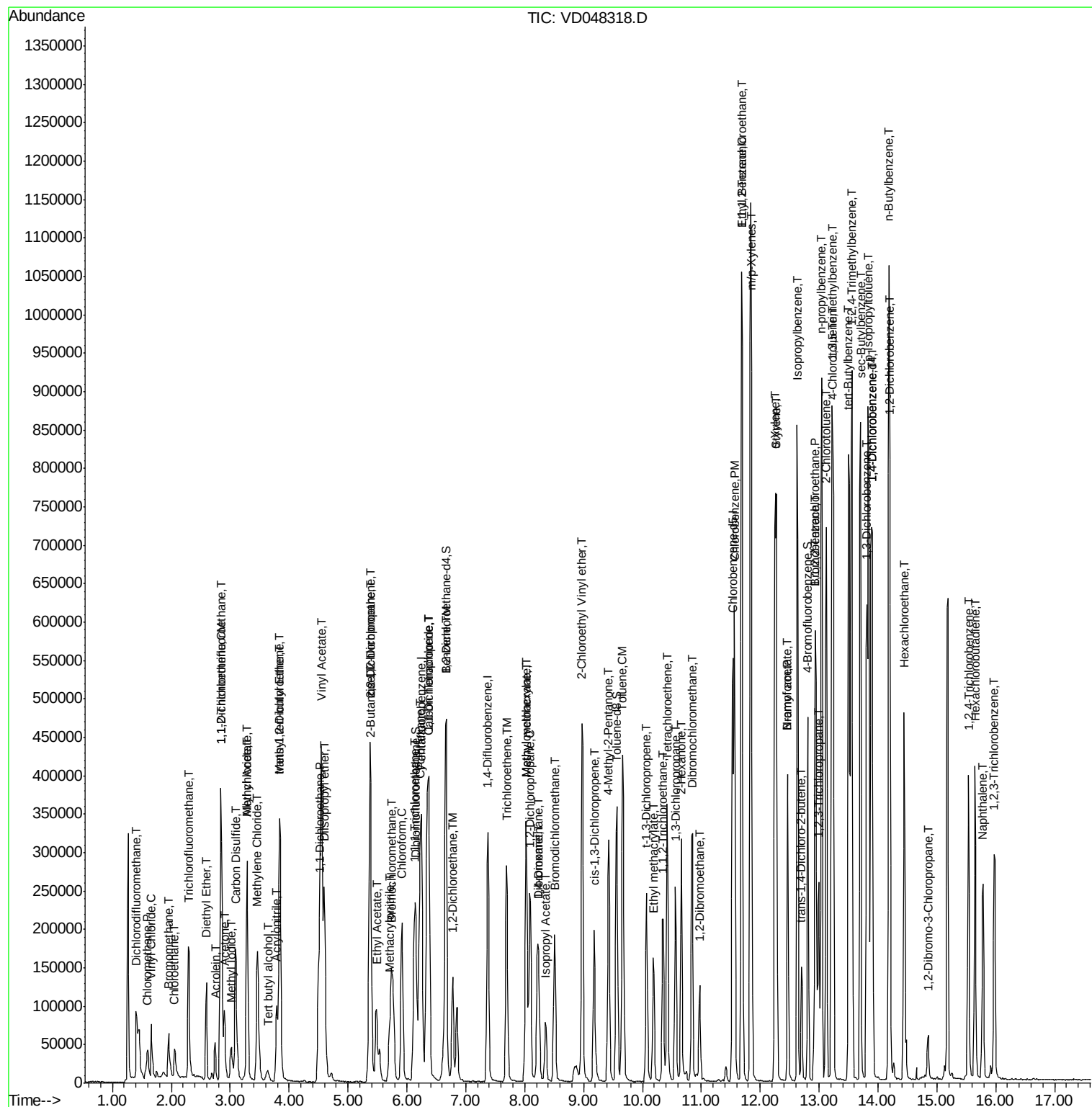
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Hexachlorobutadiene	15.65	225	88586	49.93	µg/l	97
94) Naphthalene	15.78	128	243895	47.95	µg/l	99
95) 1,2,3-Trichlorobenzene	15.98	180	114774	52.27	µg/l	96

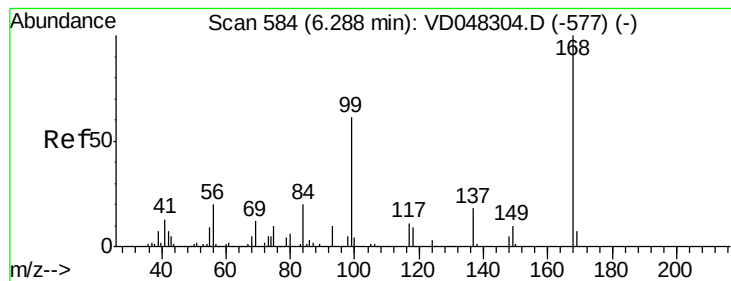
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : W:\HPCHEM1\MSVOA D\DATA\VD010616\
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 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 07 04:25:29 2016
 Quant Method : W:\HPCHEM1\MSVOA_D\METHOD\82D010416S.M
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.25 min Scan# 581

Delta R.T. -0.03 min

Lab File: VD048318.D

Acq: 6 Jan 2016 12:58

Instrument :

BNA_F

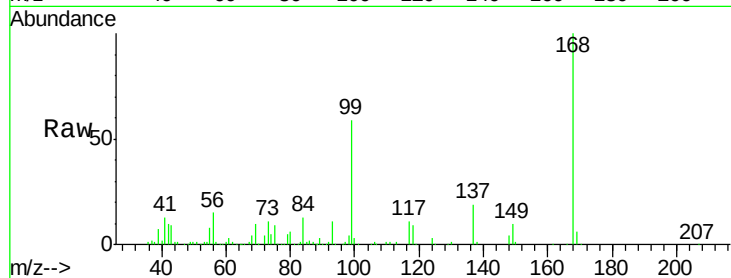
ClientSampleId :

Tot Ion:168 Resp: 192483

Ion Ratio Lower Upper

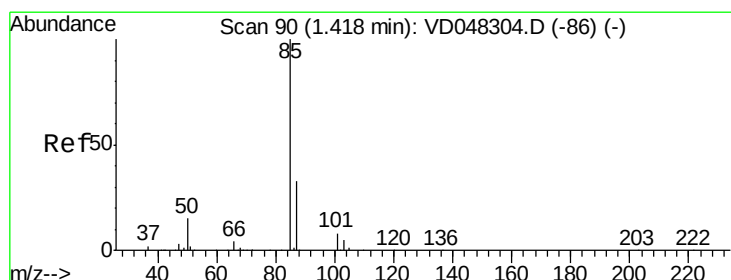
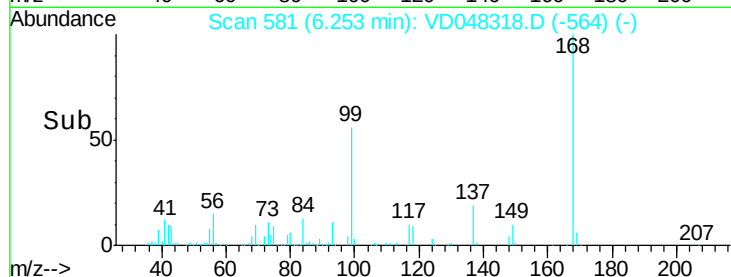
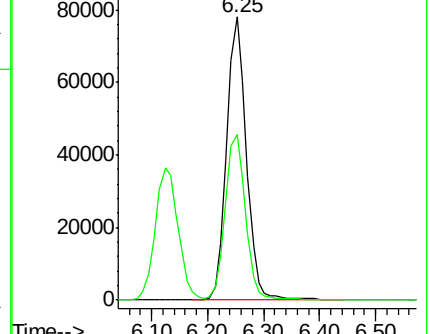
168 100

99 58.6 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 43.36 ug/l

RT: 1.40 min Scan# 89

Delta R.T. -0.02 min

Lab File: VD048318.D

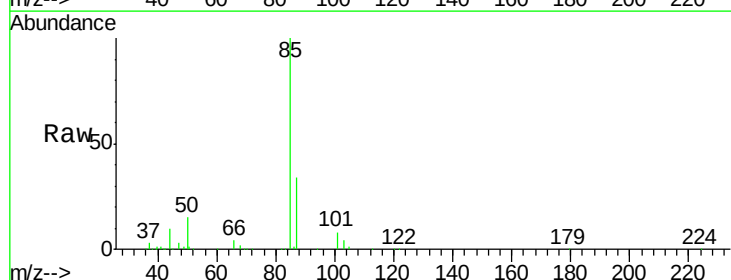
Acq: 6 Jan 2016 12:58

Tgt Ion: 85 Resp: 107964

Ion Ratio Lower Upper

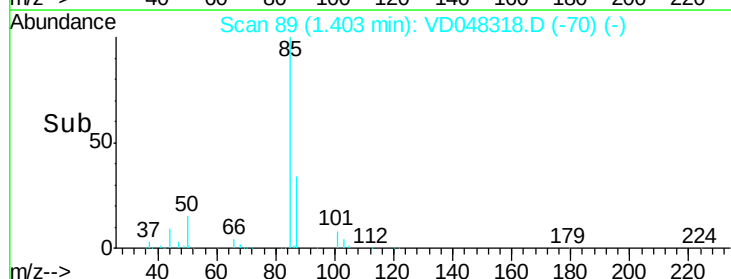
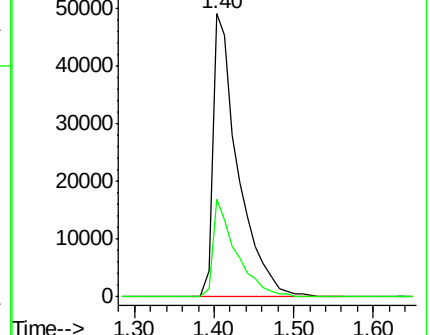
85 100

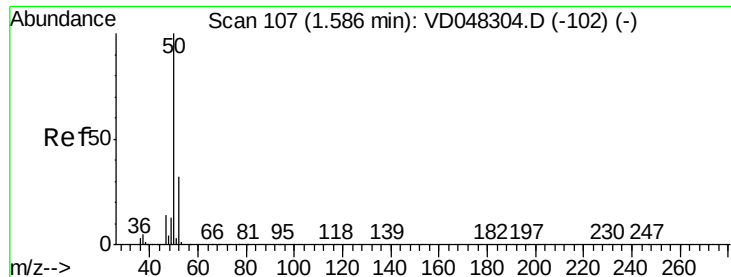
87 34.4 16.1 48.2



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 39.02 ug/l

RT: 1.60 min Scan# 109

Delta R.T. 0.01 min

Lab File: VD048318.D

Acq: 6 Jan 2016 12:58

Instrument :

BNA_F

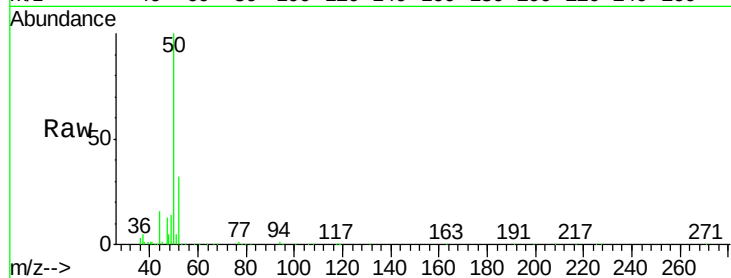
ClientSampleId :

Tot Ion: 50 Resp: 59540

Ion Ratio Lower Upper

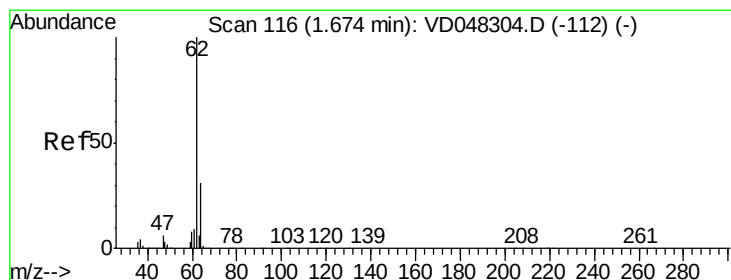
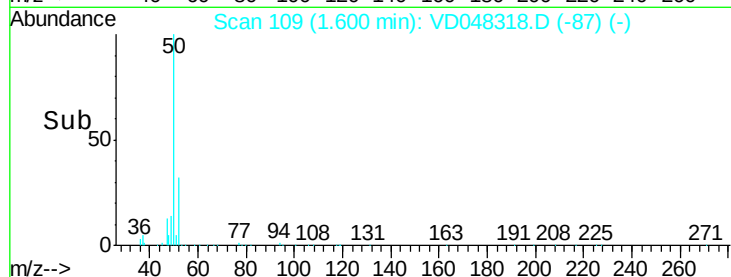
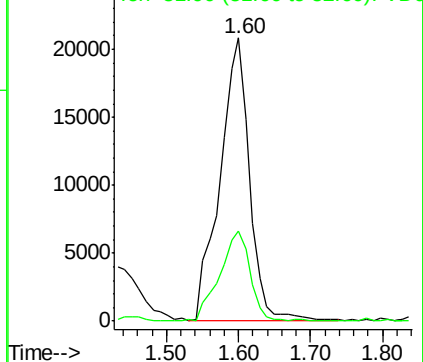
50 100

52 31.7 24.4 36.6



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 43.71 ug/l

RT: 1.66 min Scan# 115

Delta R.T. -0.02 min

Lab File: VD048318.D

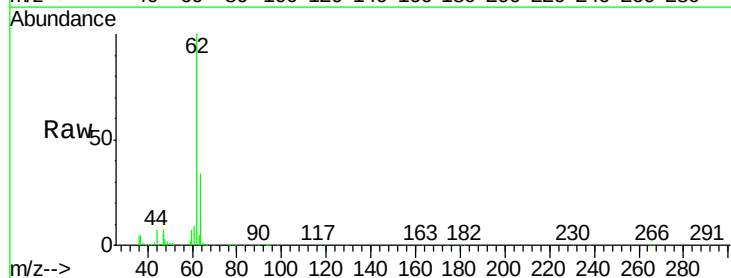
Acq: 6 Jan 2016 12:58

Tgt Ion: 62 Resp: 61524

Ion Ratio Lower Upper

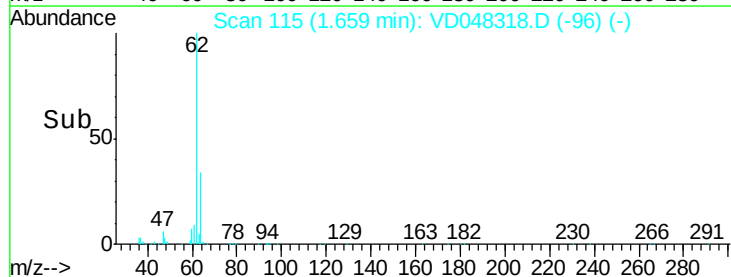
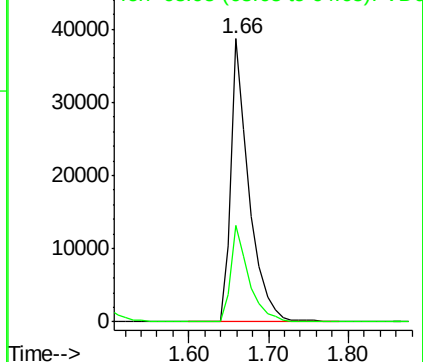
62 100

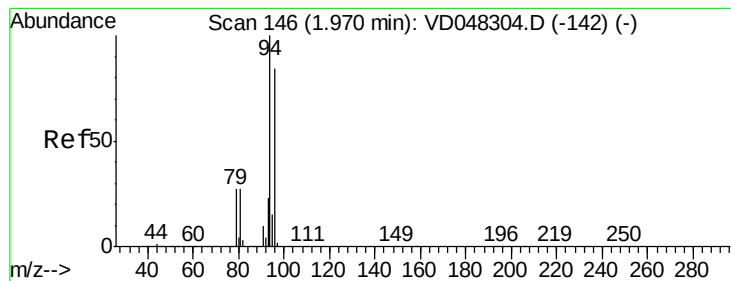
64 34.0 27.5 41.3



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 40.75 ug/l

RT: 1.95 min Scan# 145

Delta R.T. -0.02 min

Lab File: VD048318.D

Acq: 6 Jan 2016 12:58

Instrument :

BNA_F

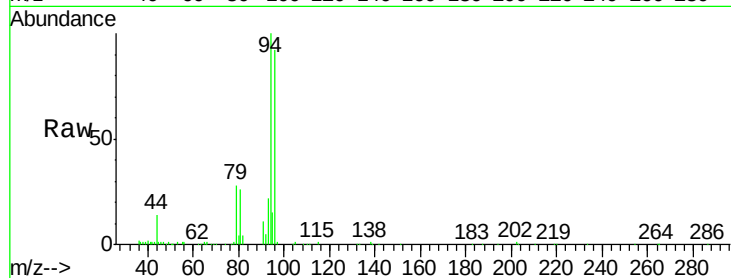
ClientSampleId :

Tot Ion: 94 Resp: 37637

Ion Ratio Lower Upper

94 100

96 91.9 76.0 114.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

1.95

20000

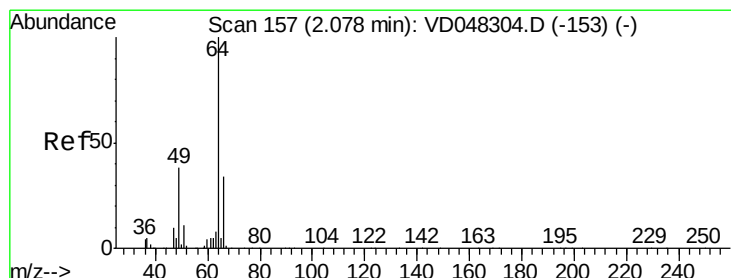
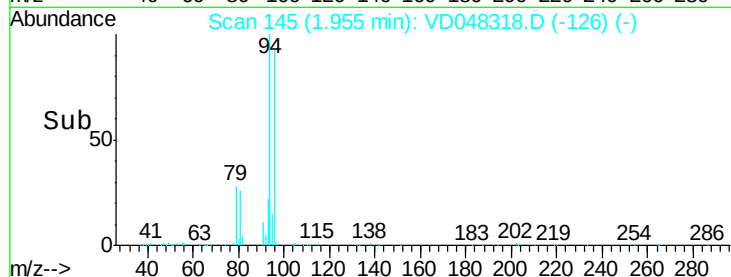
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 41.67 ug/l

RT: 2.05 min Scan# 155

Delta R.T. -0.03 min

Lab File: VD048318.D

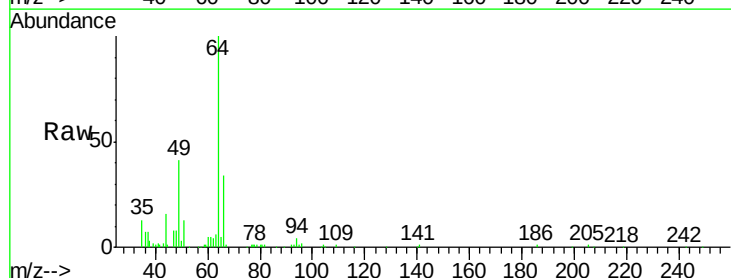
Acq: 6 Jan 2016 12:58

Tgt Ion: 64 Resp: 33681

Ion Ratio Lower Upper

64 100

66 34.0 27.0 40.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.05

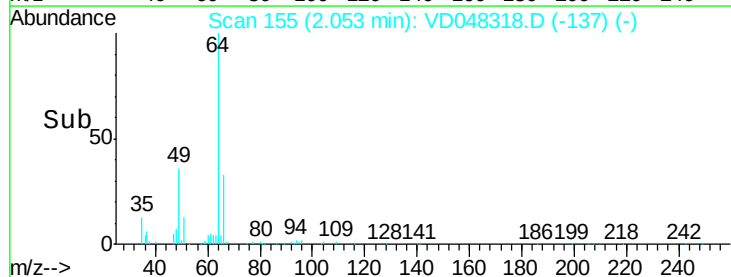
15000

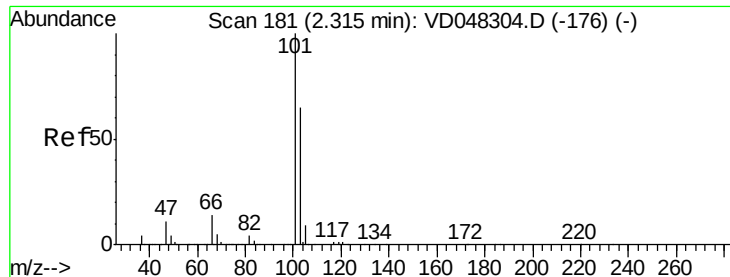
10000

5000

0

Time-->



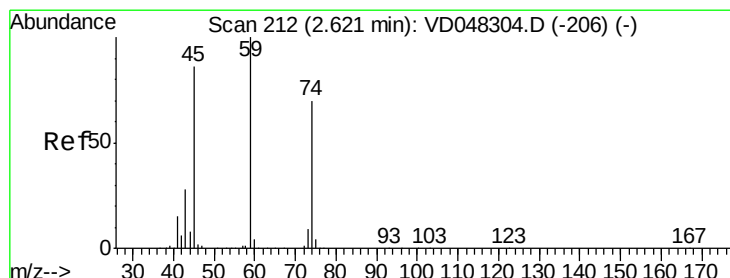
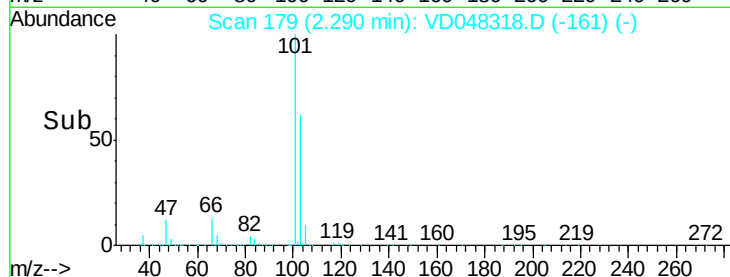
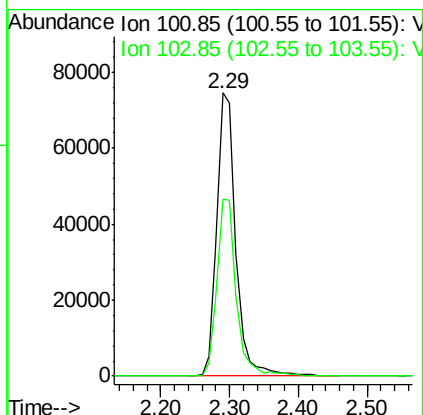
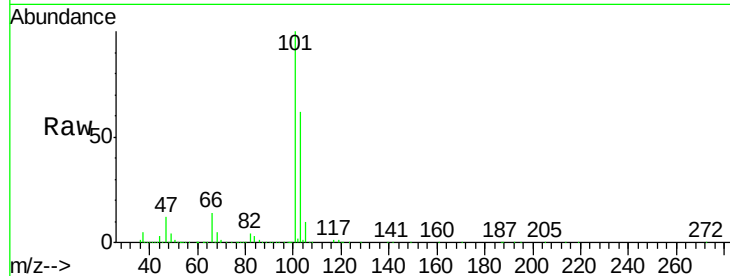


#7

Trichlorofluoromethane
 Concen: 45.78 ug/l
 RT: 2.29 min Scan# 179
 Delta R.T. -0.03 min
 Lab File: VD048318.D
 Acq: 6 Jan 2016 12:58

Instrument :
 BNA_F
 ClientSampleId :

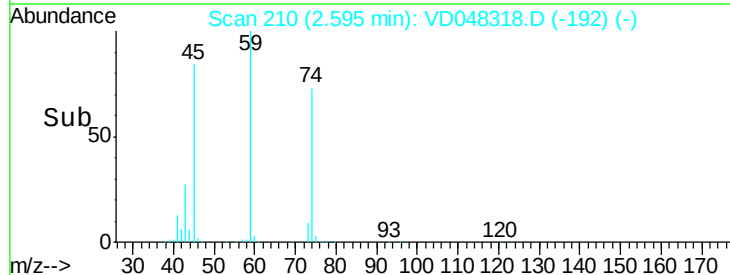
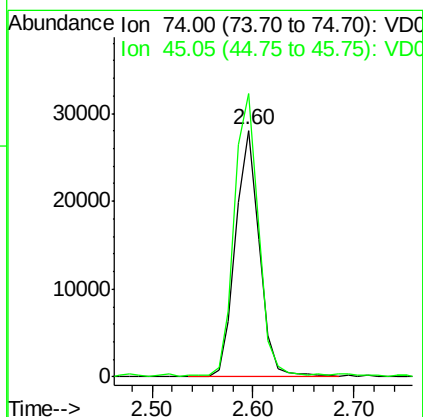
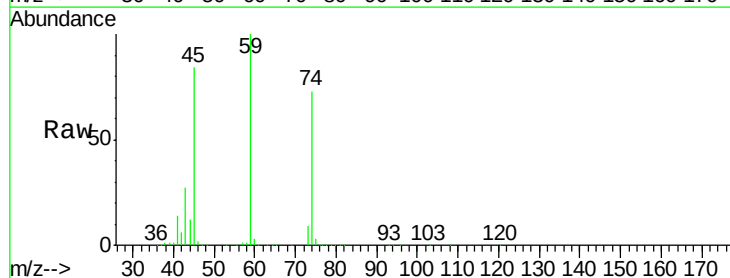
Tot Ion:101 Resp: 143359
 Ion Ratio Lower Upper
 101 100
 103 62.4 49.4 74.0

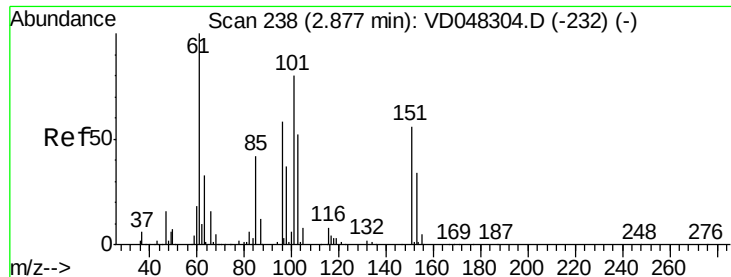


#8

Diethyl Ether
 Concen: 50.50 ug/l
 RT: 2.60 min Scan# 210
 Delta R.T. -0.03 min
 Lab File: VD048318.D
 Acq: 6 Jan 2016 12:58

Tgt Ion: 74 Resp: 46098
 Ion Ratio Lower Upper
 74 100
 45 114.9 56.9 170.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.49 ug/l

RT: 2.85 min Scan# 236

Delta R.T. -0.03 min

Lab File: VD048318.D

Acq: 6 Jan 2016 12:58

Instrument :

BNA_F

ClientSampleId :

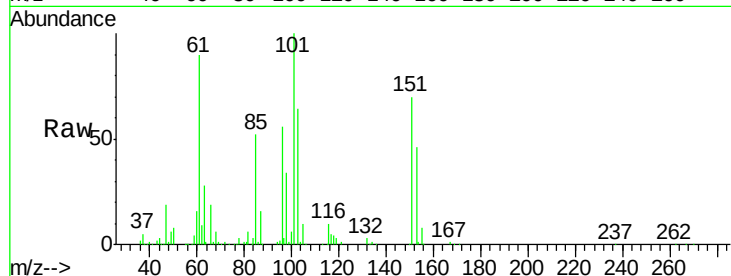
Tot Ion:101 Resp: 100858

Ion Ratio Lower Upper

101 100

85 51.5 41.0 61.4

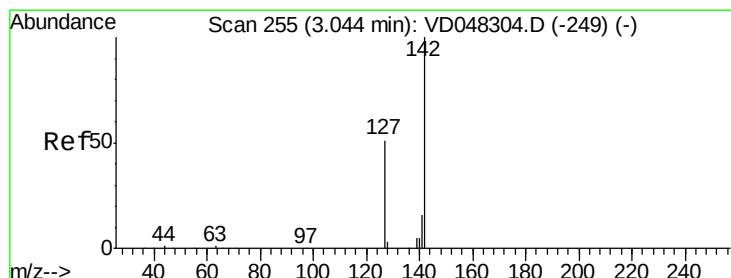
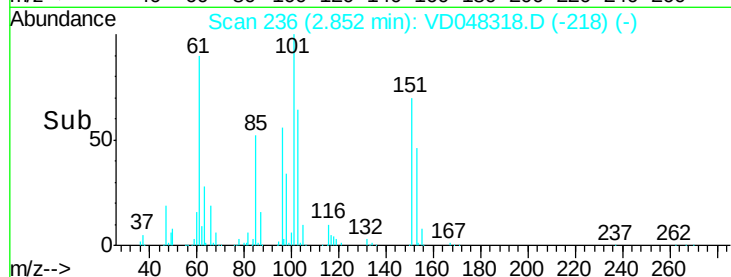
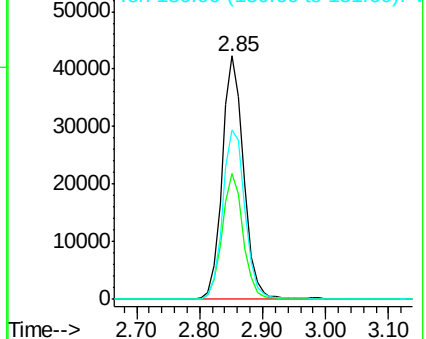
151 69.6 58.0 87.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 44.30 ug/l

RT: 3.02 min Scan# 253

Delta R.T. -0.02 min

Lab File: VD048318.D

Acq: 6 Jan 2016 12:58

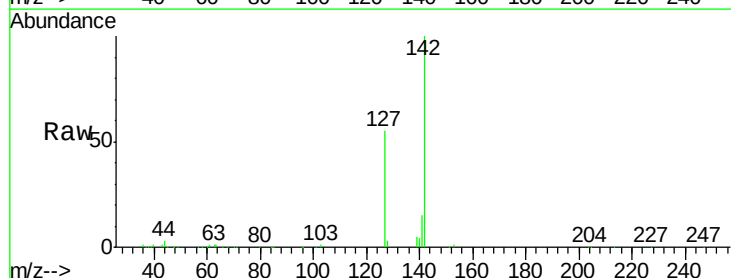
Tgt Ion:142 Resp: 75694

Ion Ratio Lower Upper

142 100

127 55.3 40.6 61.0

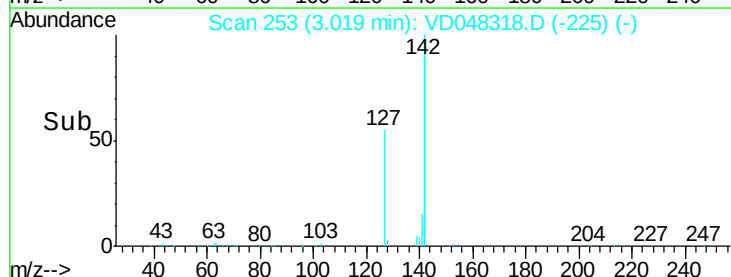
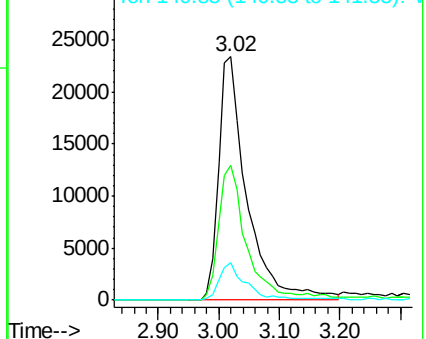
141 15.3 11.1 16.7

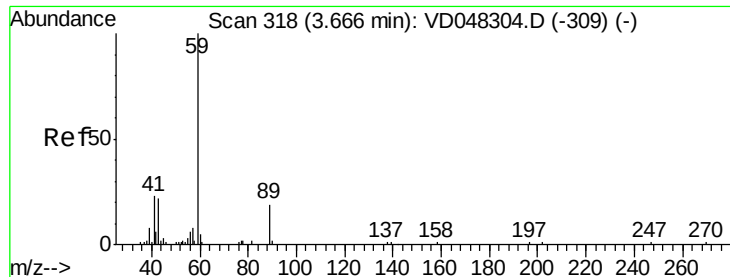


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



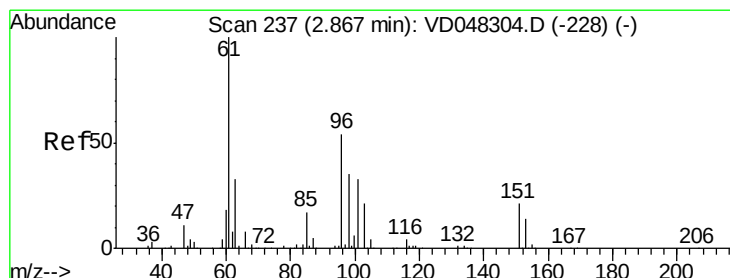
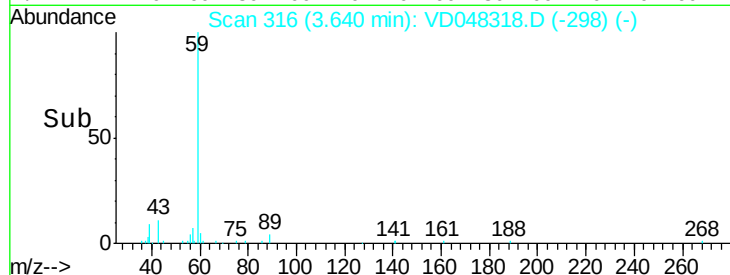
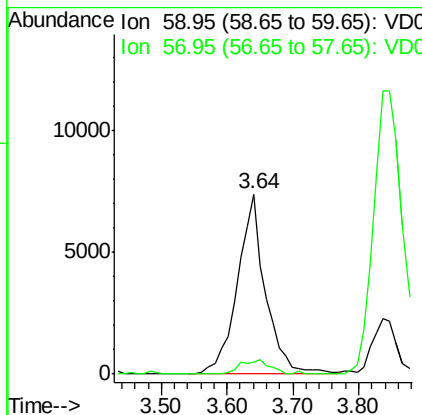
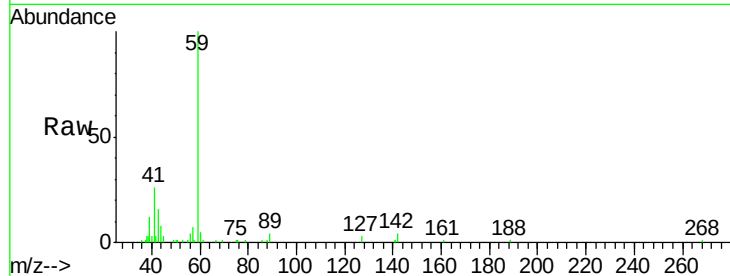


#11

Tert butyl alcohol
 Concen: 218.49 ug/l
 RT: 3.64 min Scan# 316
 Delta R.T. -0.02 min
 Lab File: VD048318.D
 Acq: 6 Jan 2016 12:58

Instrument :
 BNA_F
 ClientSampled :

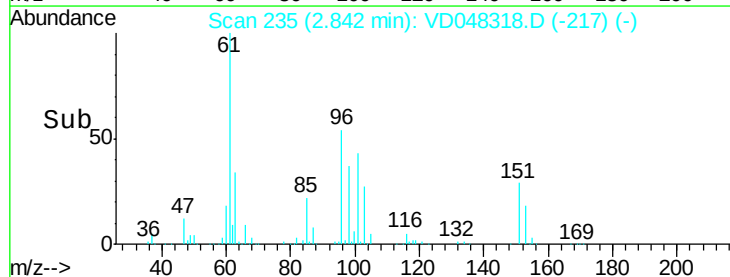
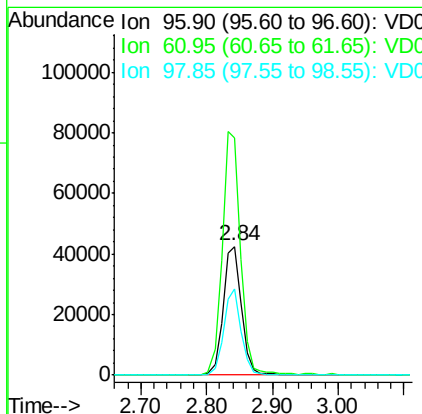
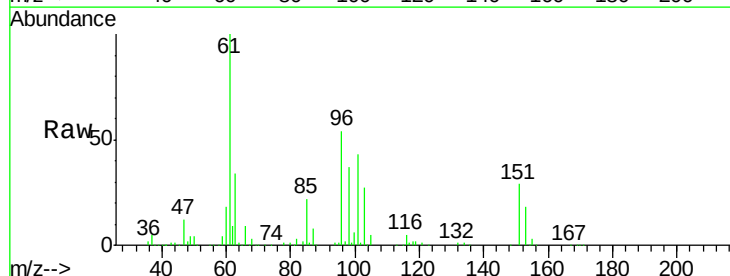
Tot Ion: 59 Resp: 22098
 Ion Ratio Lower Upper
 59 100
 57 6.7 7.9 11.9#

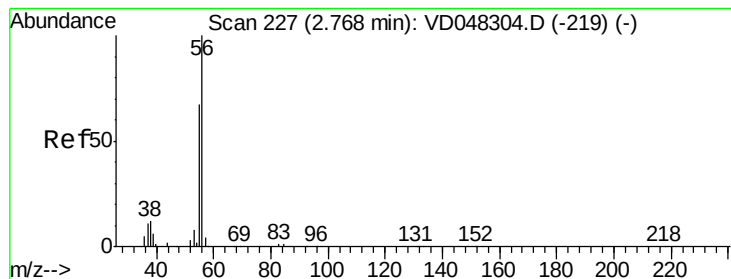


#12

1,1-Dichloroethene
 Concen: 46.40 ug/l
 RT: 2.84 min Scan# 235
 Delta R.T. -0.03 min
 Lab File: VD048318.D
 Acq: 6 Jan 2016 12:58

Tgt Ion: 96 Resp: 82844
 Ion Ratio Lower Upper
 96 100
 61 184.1 150.1 225.1
 98 67.4 50.6 76.0





#13

Acrolein

Concen: 216.22 ug/l

RT: 2.74 min Scan# 225

Delta R.T. -0.03 min

Lab File: VD048318.D

Acq: 6 Jan 2016 12:58

Instrument :

BNA_F

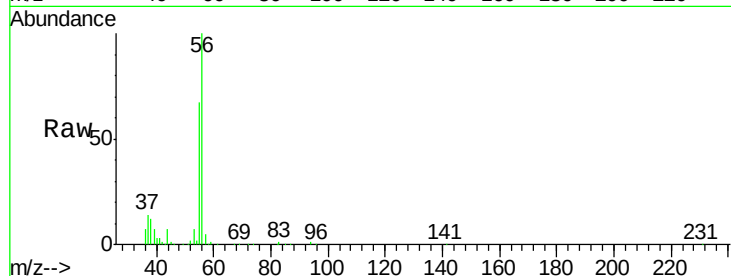
ClientSampleId :

Tot Ion: 56 Resp: 39709

Ion Ratio Lower Upper

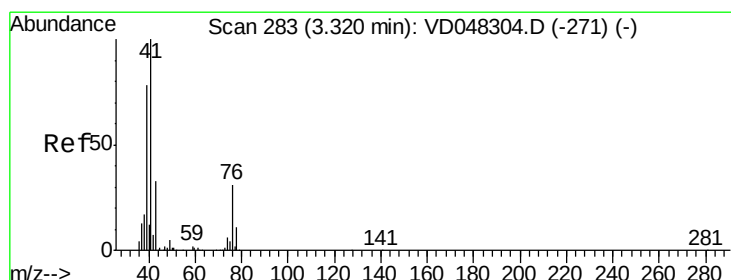
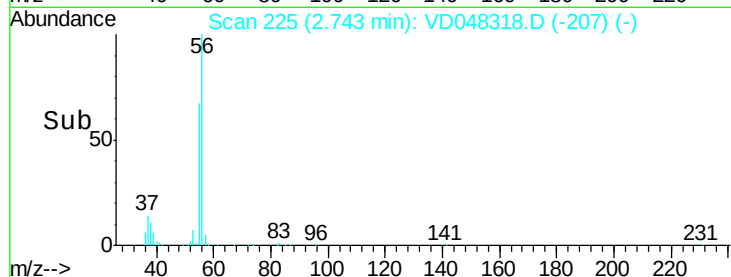
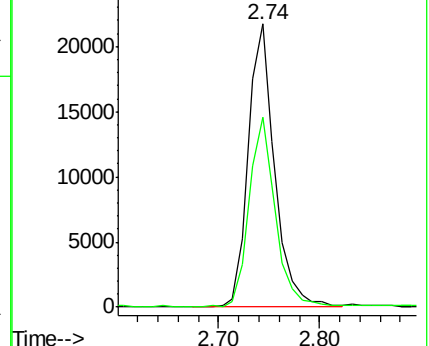
56 100

55 67.2 52.2 78.4



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 47.81 ug/l

RT: 3.29 min Scan# 280

Delta R.T. -0.03 min

Lab File: VD048318.D

Acq: 6 Jan 2016 12:58

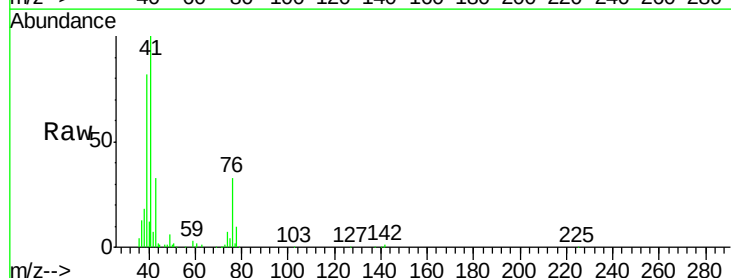
Tgt Ion: 41 Resp: 174083

Ion Ratio Lower Upper

41 100

39 82.0 62.5 93.7

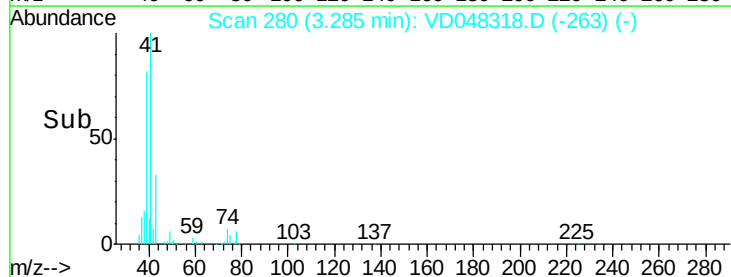
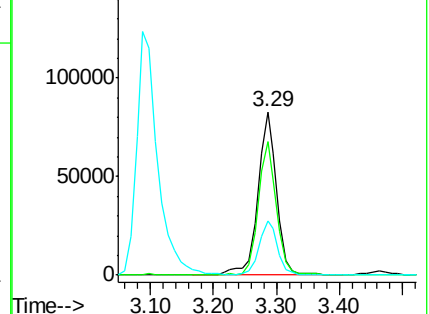
76 33.0 27.3 40.9

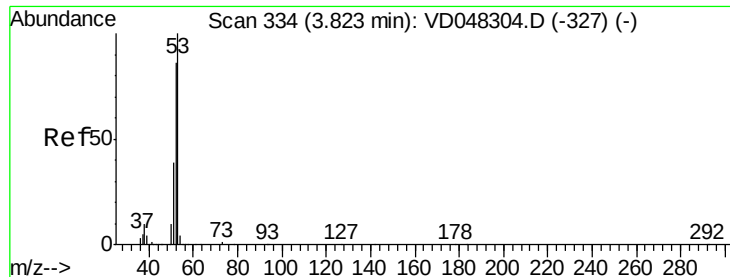


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 246.18 ug/l

RT: 3.79 min Scan# 331

Delta R.T. -0.03 min

Lab File: VD048318.D

Acq: 6 Jan 2016 12:58

Instrument :

BNA_F

ClientSampled :

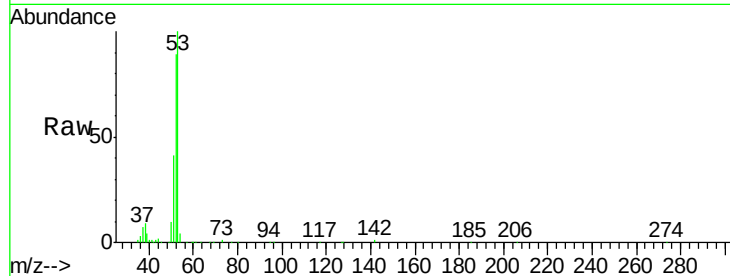
Tot Ion: 53 Resp: 92674

Ion Ratio Lower Upper

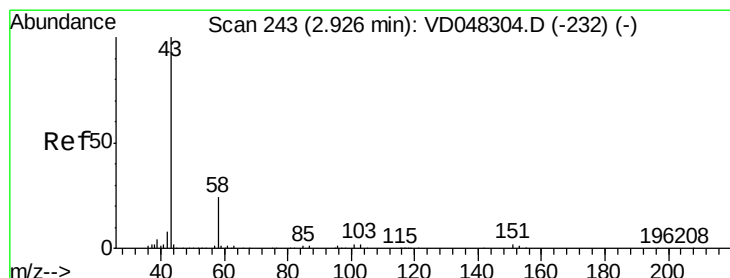
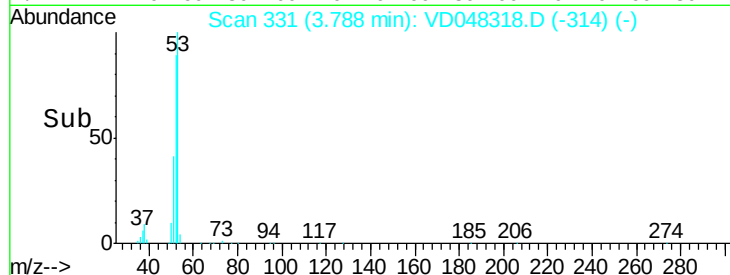
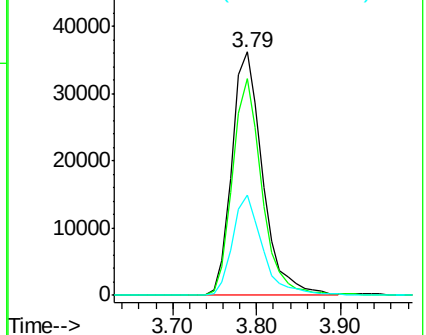
53 100

52 89.0 65.7 98.5

51 41.1 29.9 44.9



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: 257.64 ug/l

RT: 2.90 min Scan# 241

Delta R.T. -0.02 min

Lab File: VD048318.D

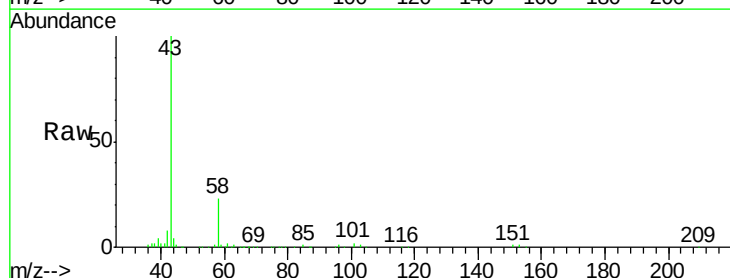
Acq: 6 Jan 2016 12:58

Tgt Ion: 43 Resp: 116932

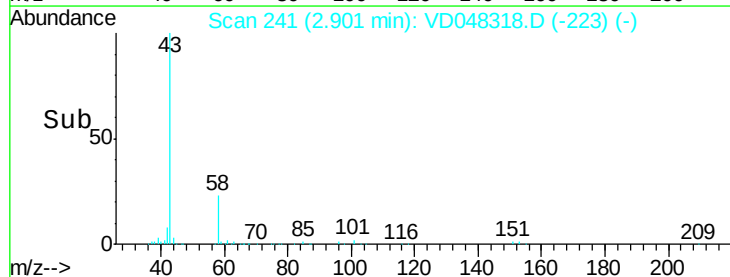
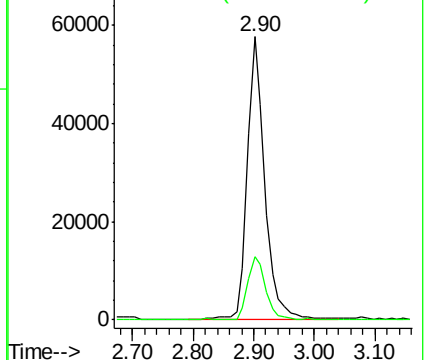
Ion Ratio Lower Upper

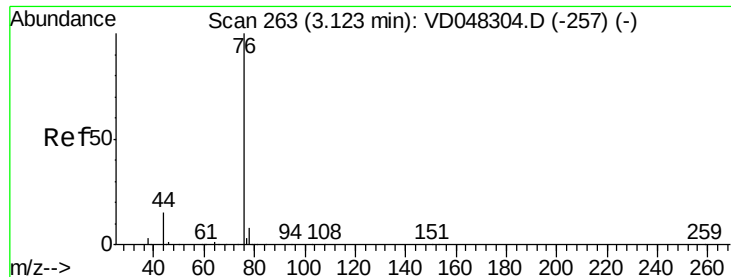
43 100

58 22.5 20.6 30.8



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 46.09 ug/l

RT: 3.09 min Scan# 260

Delta R.T. -0.03 min

Lab File: VD048318.D

Acq: 6 Jan 2016 12:58

Instrument :

BNA_F

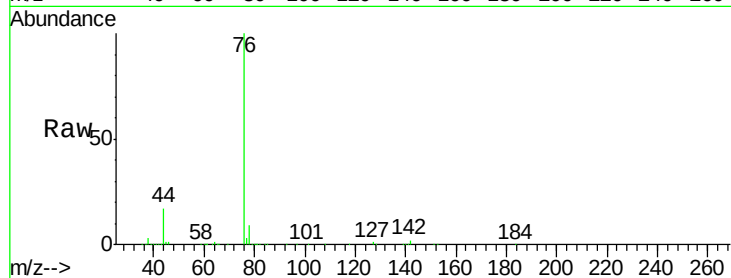
ClientSampleId :

Tot Ion: 76 Resp: 289691

Ion Ratio Lower Upper

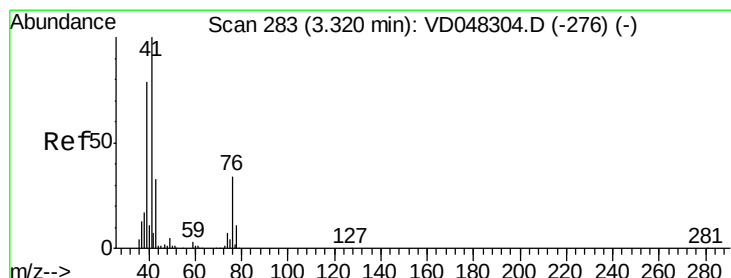
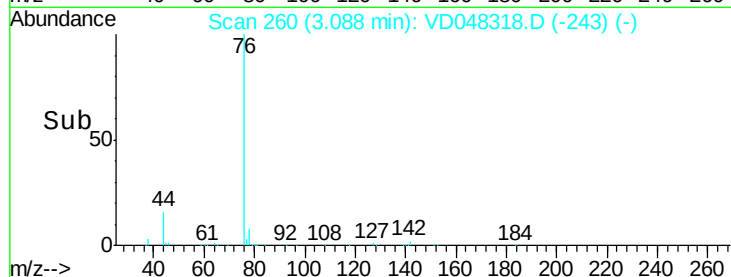
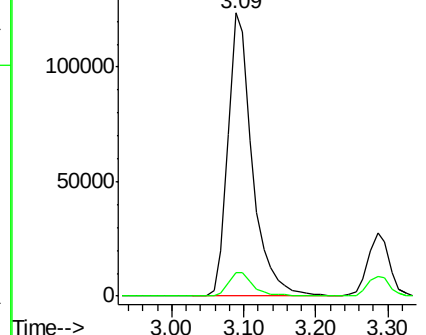
76 100

78 8.5 7.1 10.7



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 47.75 ug/l

RT: 3.29 min Scan# 280

Delta R.T. -0.03 min

Lab File: VD048318.D

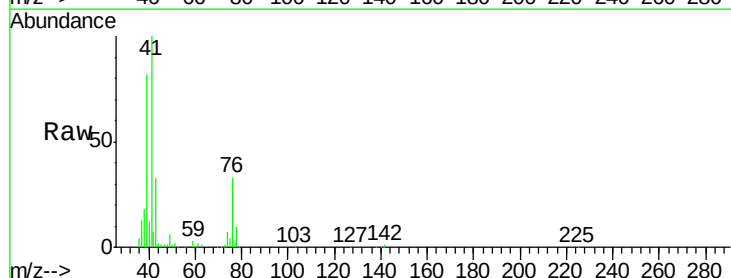
Acq: 6 Jan 2016 12:58

Tgt Ion: 43 Resp: 59786

Ion Ratio Lower Upper

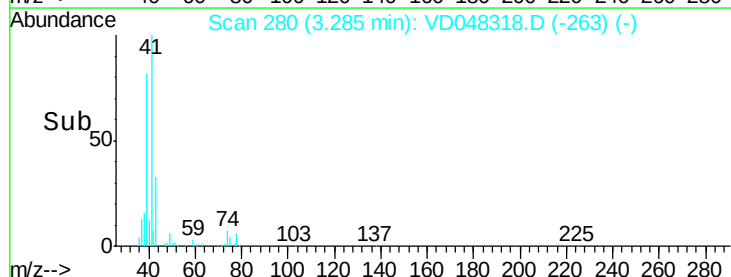
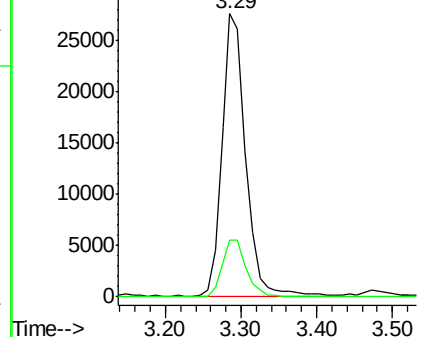
43 100

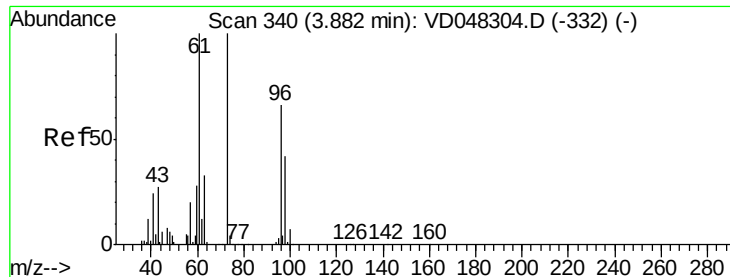
74 20.0 15.2 22.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



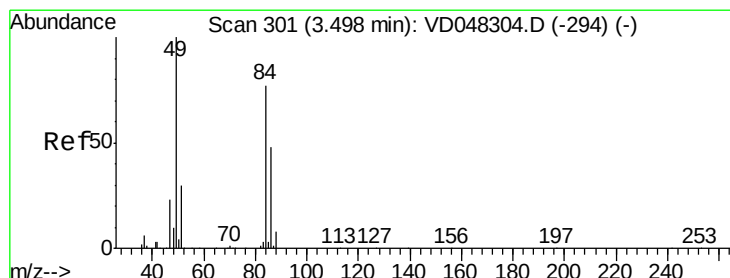
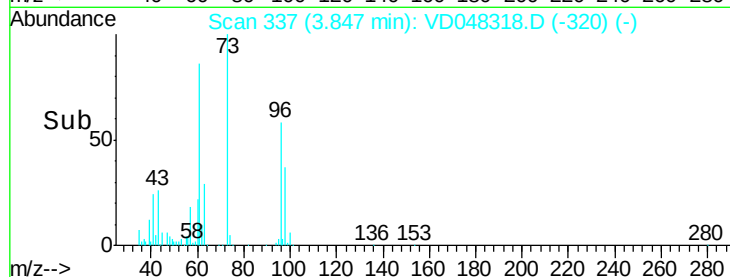
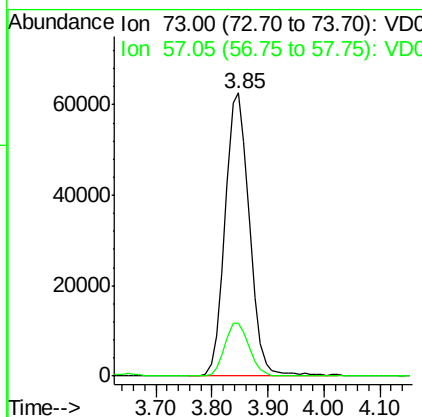
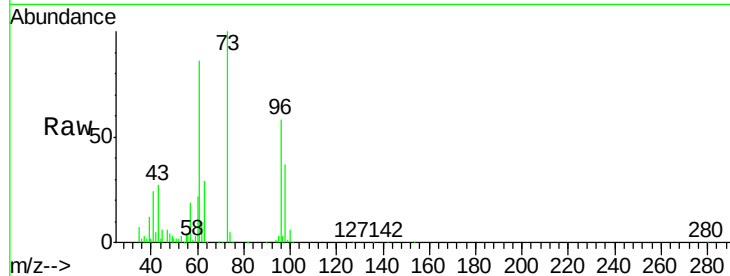


#19

Methyl tert-butyl Ether
 Concen: 49.11 ug/l
 RT: 3.85 min Scan# 337
 Delta R.T. -0.03 min
 Lab File: VD048318.D
 Acq: 6 Jan 2016 12:58

Instrument :
 BNA_F
 ClientSampleId :

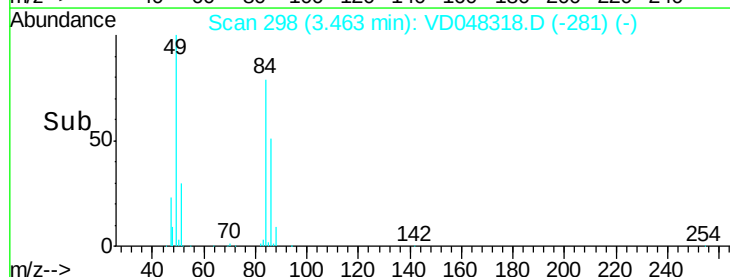
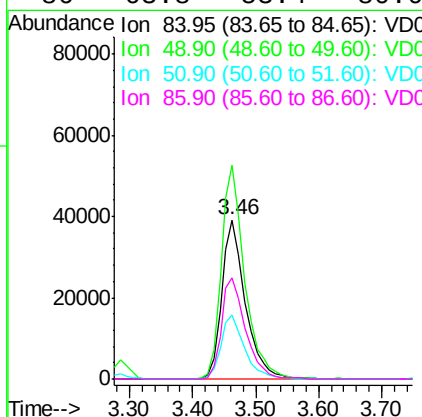
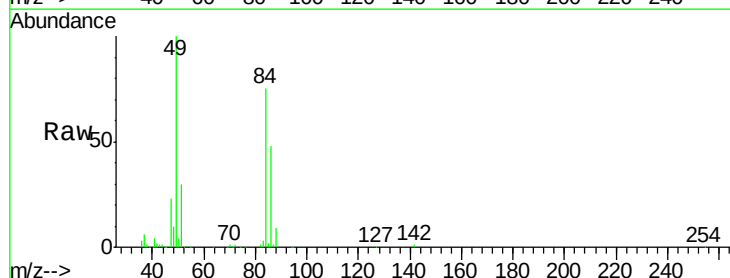
Tot Ion: 73 Resp: 189017
 Ion Ratio Lower Upper
 73 100
 57 18.6 15.1 22.7

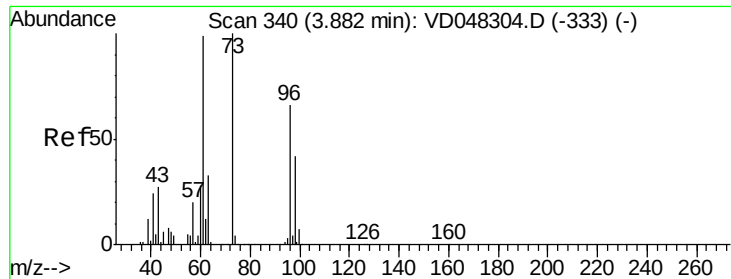


#20

Methylene Chloride
 Concen: 42.80 ug/l
 RT: 3.46 min Scan# 298
 Delta R.T. -0.03 min
 Lab File: VD048318.D
 Acq: 6 Jan 2016 12:58

Tgt Ion: 84 Resp: 101372
 Ion Ratio Lower Upper
 84 100
 49 134.1 106.5 159.7
 51 40.1 33.2 49.8
 86 63.8 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 46.43 ug/l

RT: 3.84 min Scan# 336

Delta R.T. -0.04 min

Lab File: VD048318.D

Acq: 6 Jan 2016 12:58

Instrument :

BNA_F

ClientSampleId :

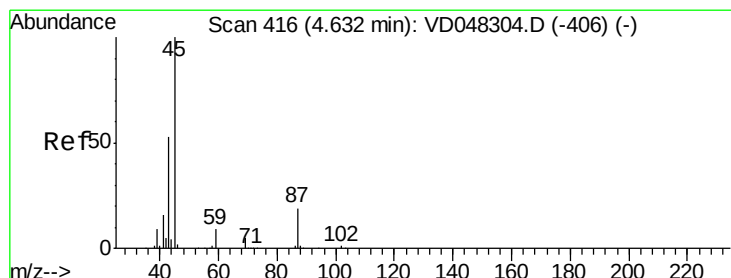
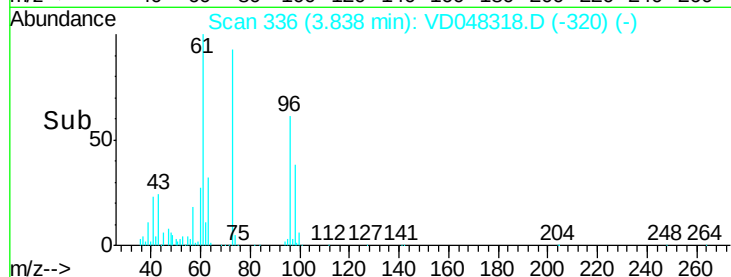
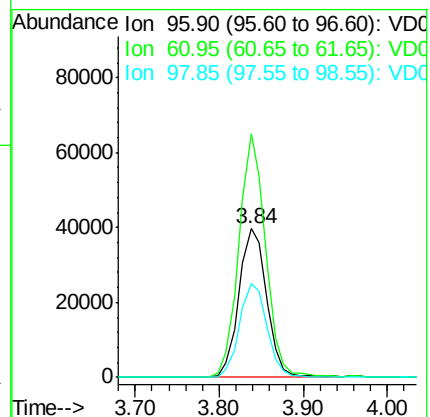
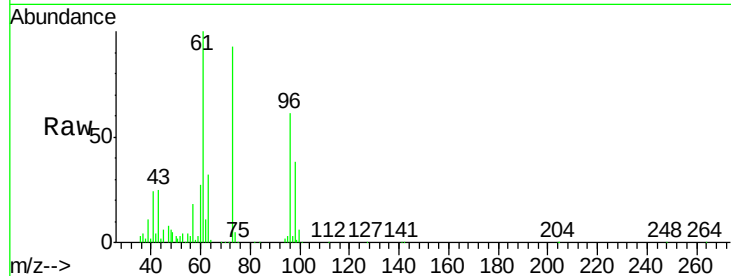
Tot Ion: 96 Resp: 91693

Ion Ratio Lower Upper

96 100

61 164.1 129.7 194.5

98 62.9 49.1 73.7



#22

Diisopropyl ether

Concen: 48.32 ug/l

RT: 4.60 min Scan# 413

Delta R.T. -0.03 min

Lab File: VD048318.D

Acq: 6 Jan 2016 12:58

Tgt Ion: 45 Resp: 332285

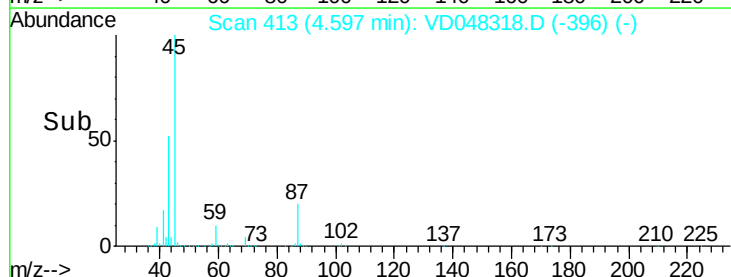
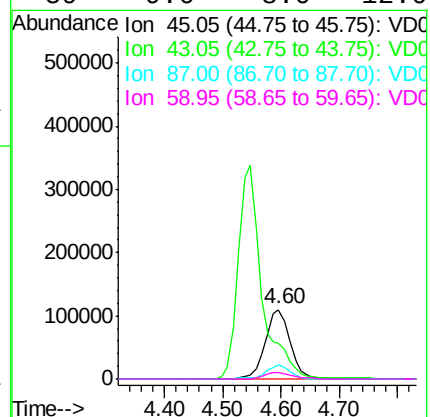
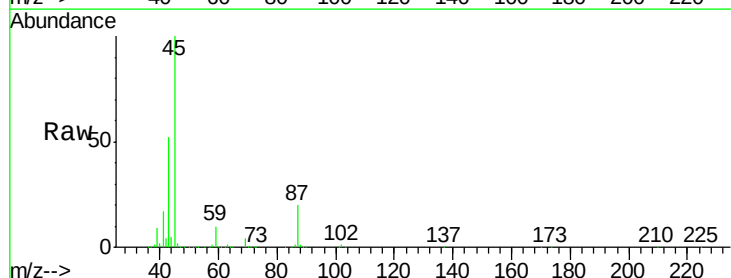
Ion Ratio Lower Upper

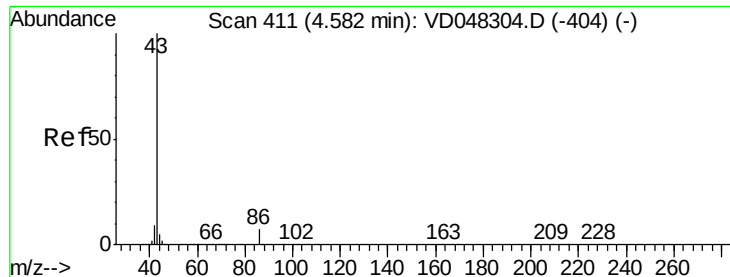
45 100

43 51.7 40.0 60.0

87 19.7 15.8 23.8

59 9.6 8.0 12.0





#23

Vinyl Acetate

Concen: 283.83 ug/l

RT: 4.55 min Scan# 408

Delta R.T. -0.03 min

Lab File: VD048318.D

Acq: 6 Jan 2016 12:58

Instrument :

BNA_F

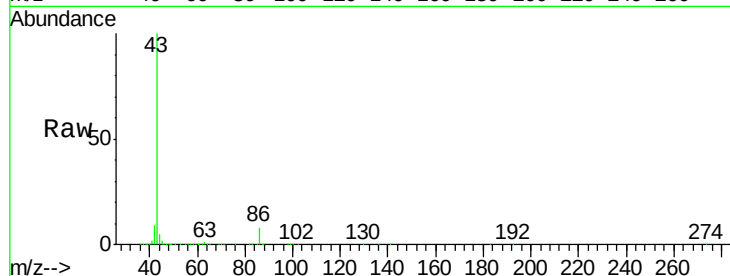
ClientSampled :

Tot Ion: 43 Resp: 963077

Ion Ratio Lower Upper

43 100

86 7.7 6.3 9.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

4.55

300000

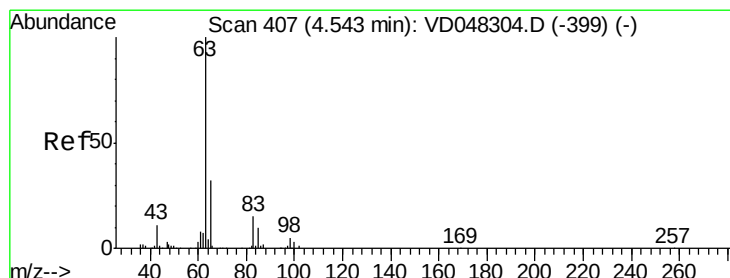
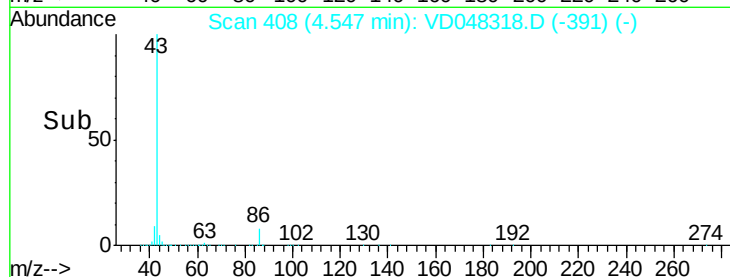
200000

100000

0

4.40 4.50 4.60 4.70

Time-->



#24

1,1-Dichloroethane

Concen: 47.84 ug/l

RT: 4.51 min Scan# 404

Delta R.T. -0.03 min

Lab File: VD048318.D

Acq: 6 Jan 2016 12:58

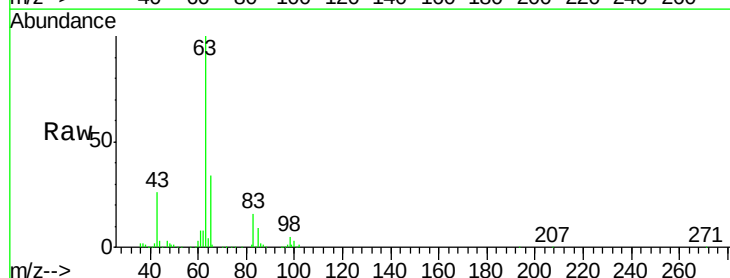
Tgt Ion: 63 Resp: 191479

Ion Ratio Lower Upper

63 100

98 5.0 2.5 7.5

100 3.4 1.6 4.7



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

4.51

100000

80000

60000

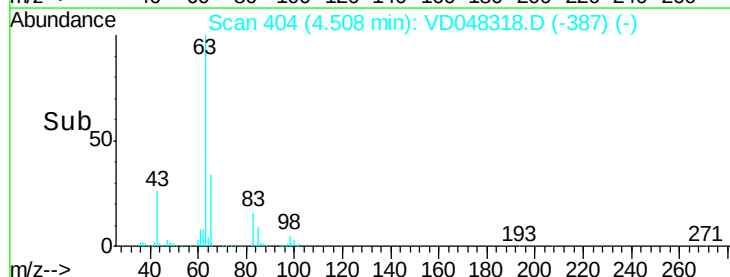
40000

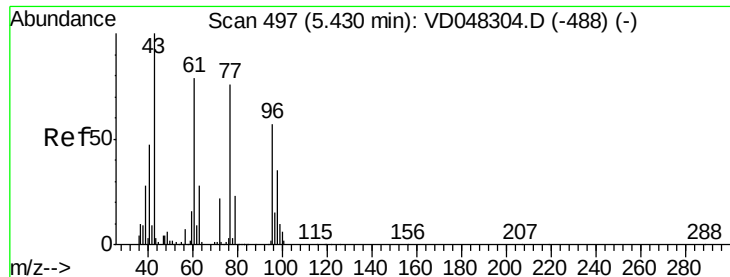
20000

0

4.40 4.50 4.60 4.70

Time-->





#25

2-Butanone

Concen: 251.00 ug/l

RT: 5.39 min Scan# 494

Delta R.T. -0.04 min

Lab File: VD048318.D

Acq: 6 Jan 2016 12:58

Instrument :

BNA_F

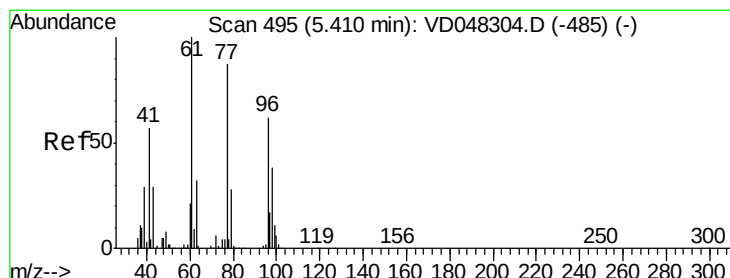
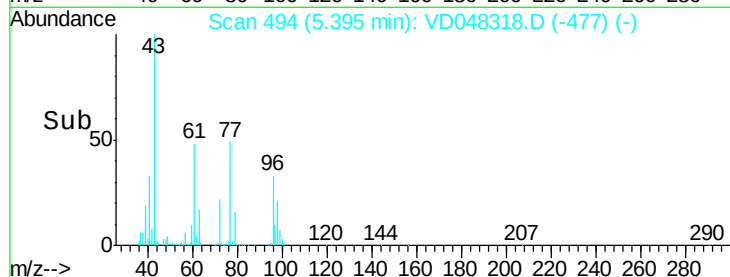
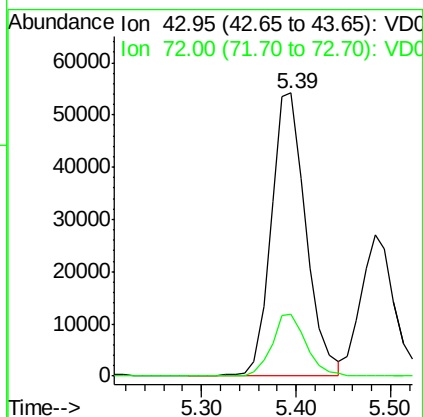
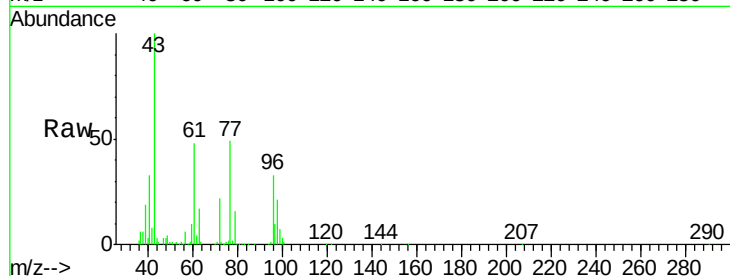
ClientSampleId :

Tot Ion: 43 Resp: 137466

Ion Ratio Lower Upper

43 100

72 21.9 17.8 26.6



#26

2,2-Dichloropropane

Concen: 46.28 ug/l

RT: 5.38 min Scan# 492

Delta R.T. -0.03 min

Lab File: VD048318.D

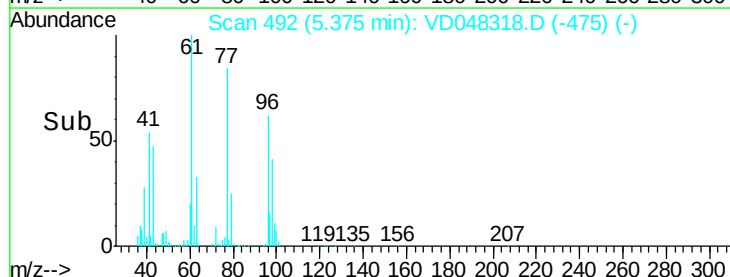
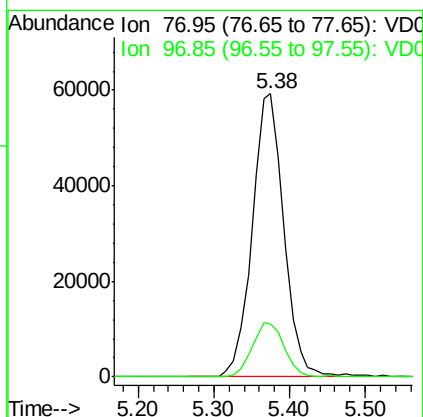
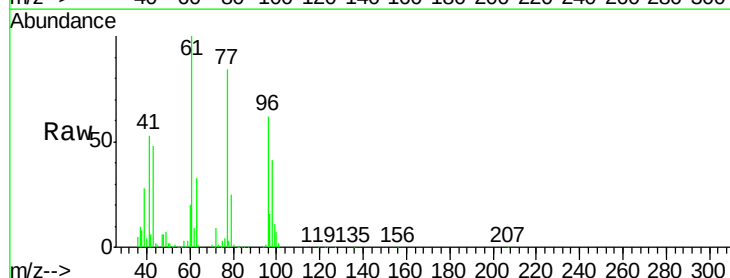
Acq: 6 Jan 2016 12:58

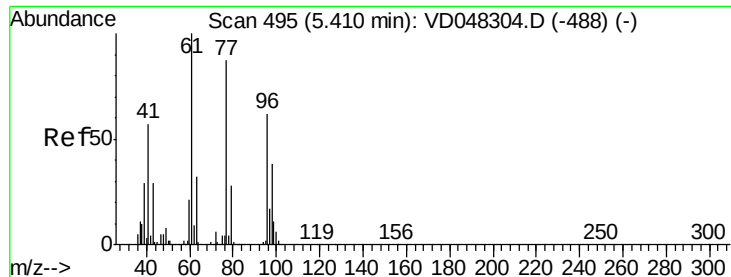
Tgt Ion: 77 Resp: 172433

Ion Ratio Lower Upper

77 100

97 18.9 10.5 31.6





#27

cis-1,2-Dichloroethene

Concen: 46.92 ug/l

RT: 5.38 min Scan# 492

Delta R.T. -0.04 min

Lab File: VD048318.D

Acq: 6 Jan 2016 12:58

Instrument :

BNA_F

ClientSampled :

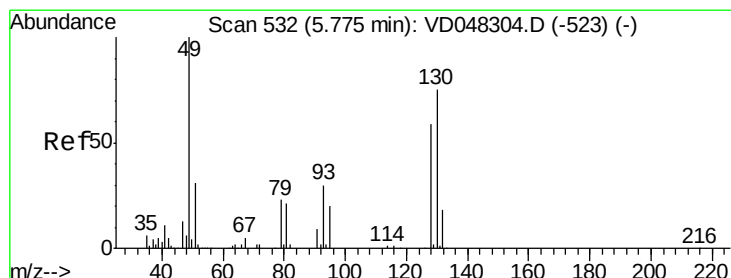
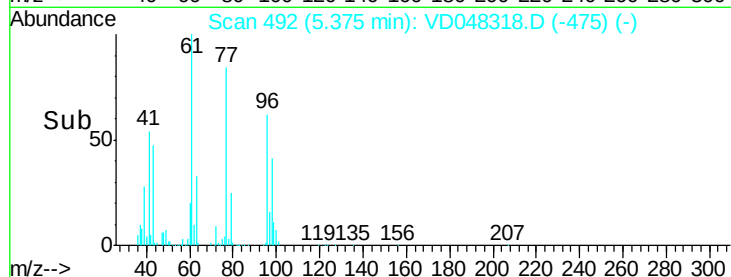
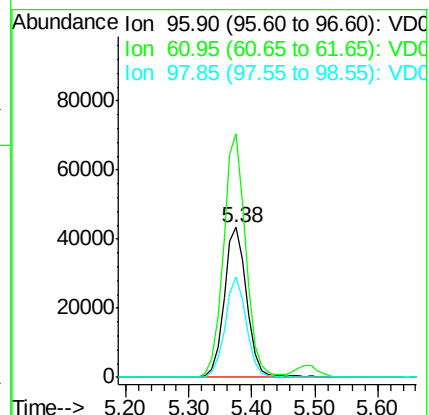
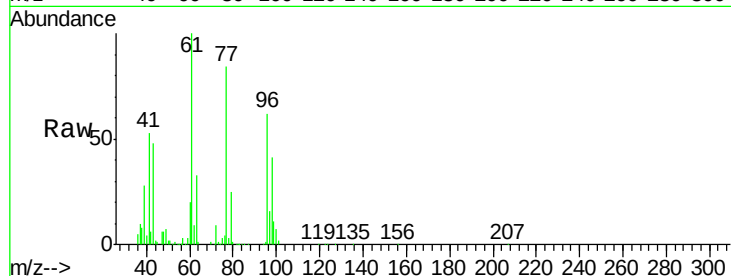
Tot Ion: 96 Resp: 107945

Ion Ratio Lower Upper

96 100

61 162.4 0.0 332.6

98 66.7 0.0 130.8



#28

Bromochloromethane

Concen: 45.64 ug/l

RT: 5.74 min Scan# 529

Delta R.T. -0.03 min

Lab File: VD048318.D

Acq: 6 Jan 2016 12:58

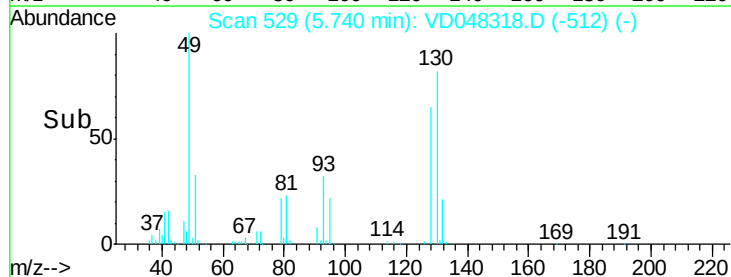
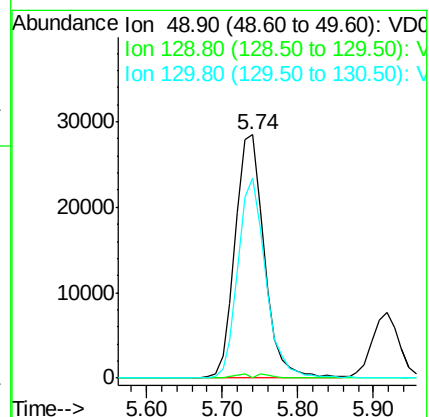
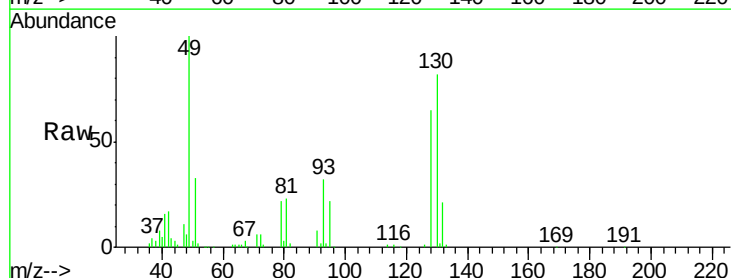
Tgt Ion: 49 Resp: 76056

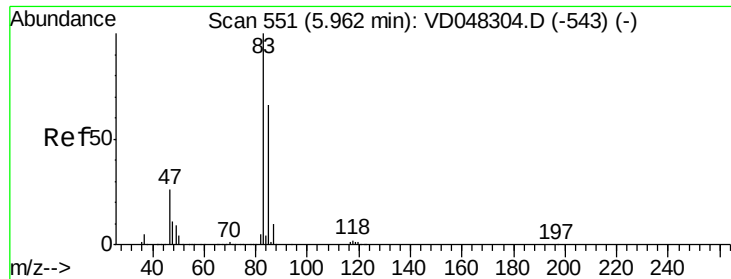
Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.2

130 82.2 62.3 93.5

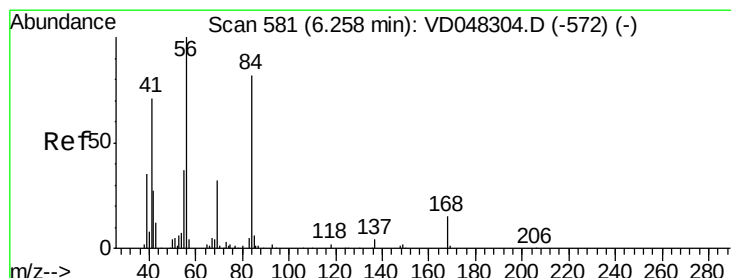
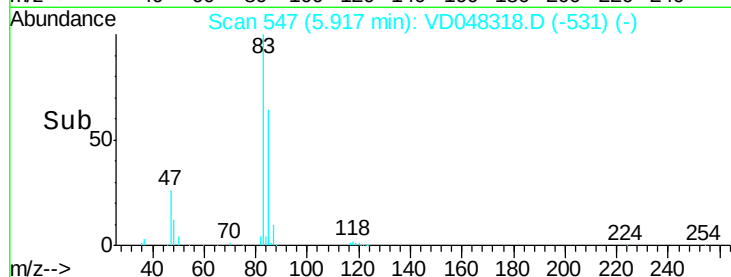
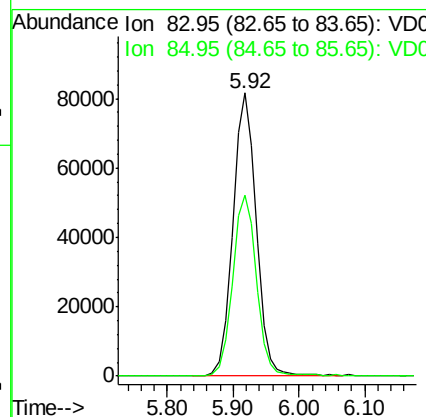
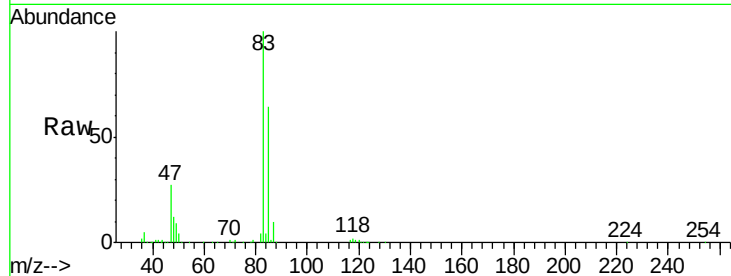




#29
Chloroform
Concen: 46.39 ug/l
RT: 5.92 min Scan# 547
Delta R.T. -0.04 min
Lab File: VD048318.D
Acq: 6 Jan 2016 12:58

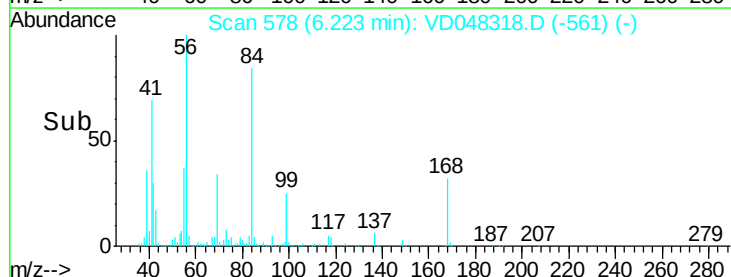
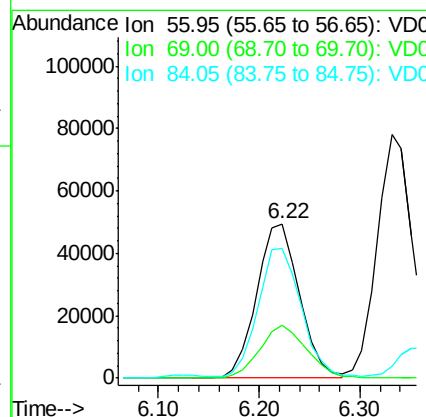
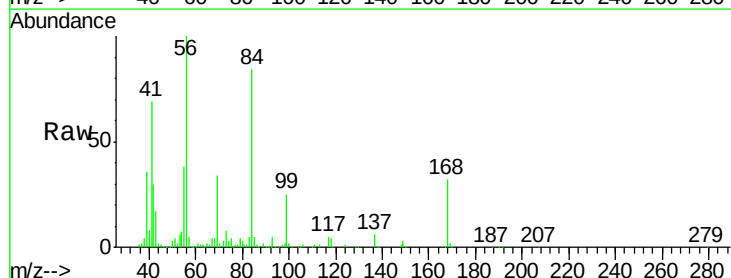
Instrument :
BNA_F
ClientSampleId :

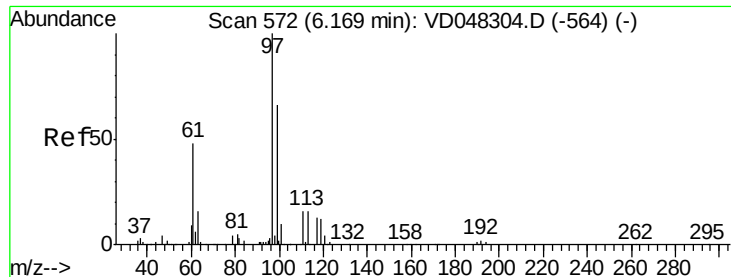
Tot Ion: 83 Resp: 203860
Ion Ratio Lower Upper
83 100
85 63.8 50.2 75.4



#30
Cyclohexane
Concen: 43.85 ug/l
RT: 6.22 min Scan# 578
Delta R.T. -0.03 min
Lab File: VD048318.D
Acq: 6 Jan 2016 12:58

Tgt Ion: 56 Resp: 146342
Ion Ratio Lower Upper
56 100
69 34.1 26.2 39.2
84 84.1 68.5 102.7





#31

1,1,1-Trichloroethane

Concen: 47.46 ug/l

RT: 6.12 min Scan# 568

Delta R.T. -0.04 min

Lab File: VD048318.D

Acq: 6 Jan 2016 12:58

Instrument :

BNA_F

ClientSampleId :

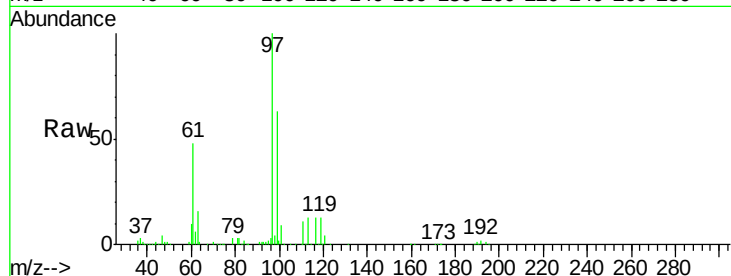
Tot Ion: 97 Resp: 162292

Ion Ratio Lower Upper

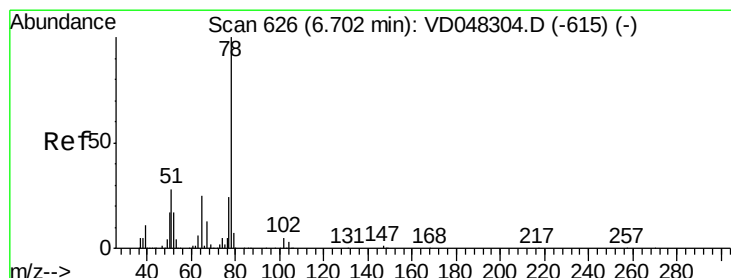
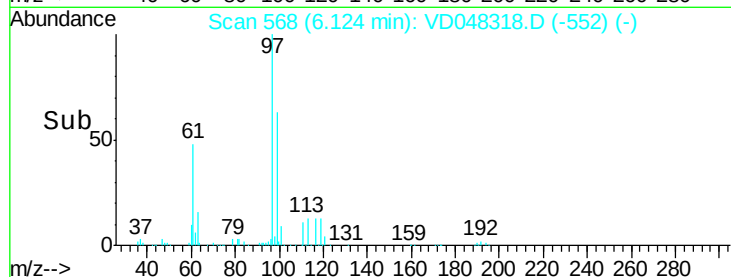
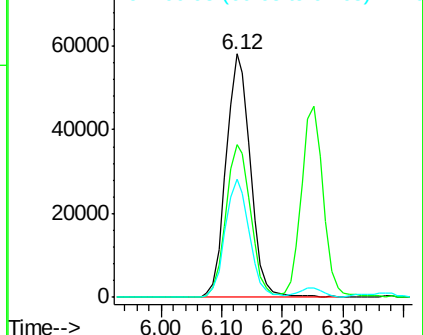
97 100

99 63.0 52.2 78.4

61 48.4 36.0 54.0



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC



#32

1,2-Dichloroethane-d4

Concen: 47.46 ug/l

RT: 6.66 min Scan# 622

Delta R.T. -0.04 min

Lab File: VD048318.D

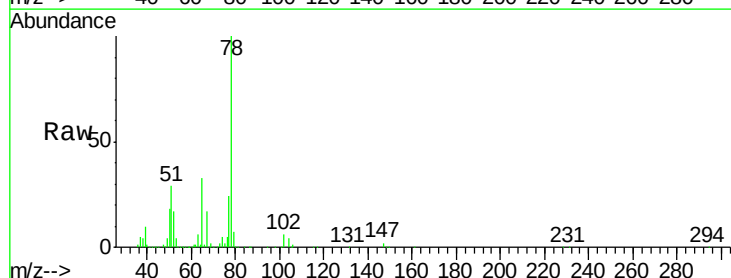
Acq: 6 Jan 2016 12:58

Tgt Ion: 65 Resp: 115411

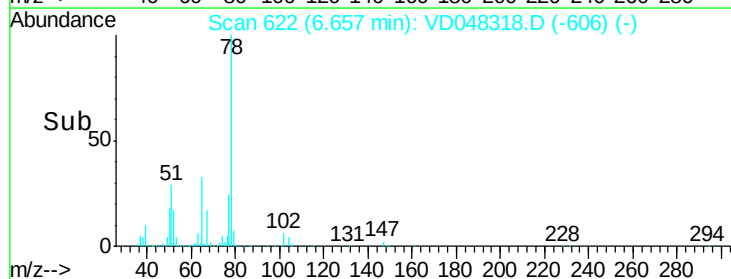
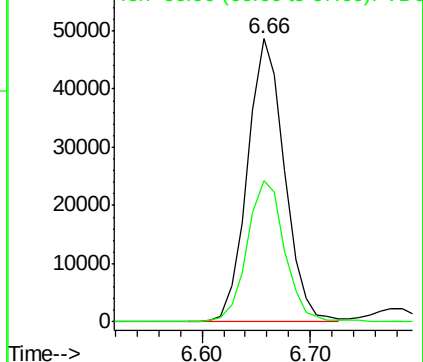
Ion Ratio Lower Upper

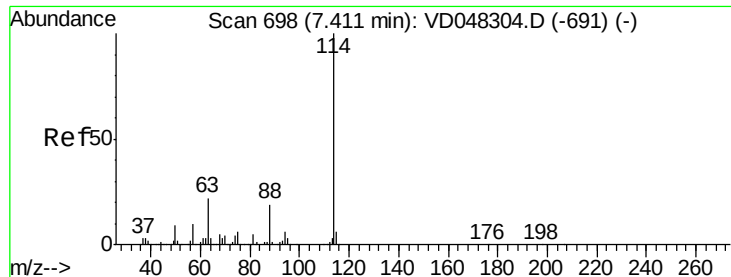
65 100

67 50.0 0.0 106.0



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC

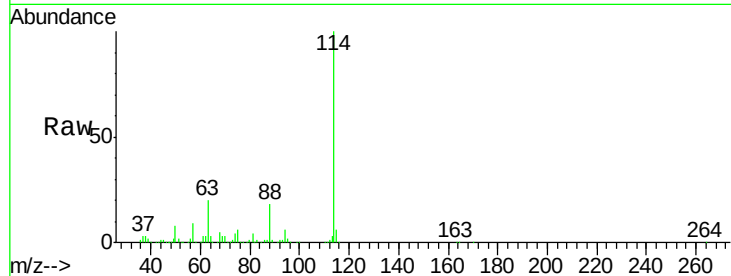




#33
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 7.38 min Scan# 695
 Delta R.T. -0.03 min
 Lab File: VD048318.D
 Acq: 6 Jan 2016 12:58

Instrument :
 BNA_F
 ClientSampleId :

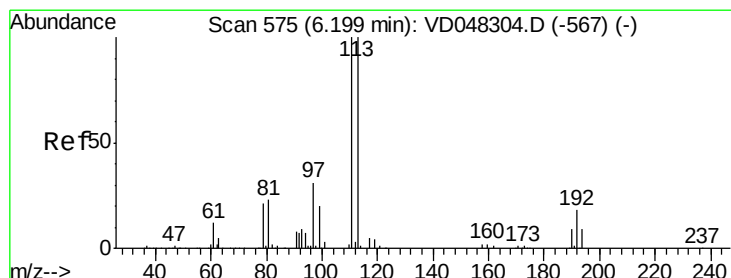
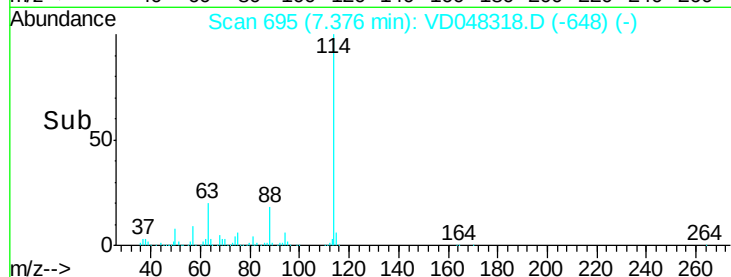
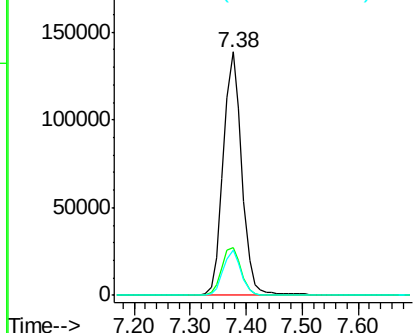
Tot Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	39.4
88	18.5	0.0	35.6



Abundance Ion 114.00 (113.70 to 114.70): V

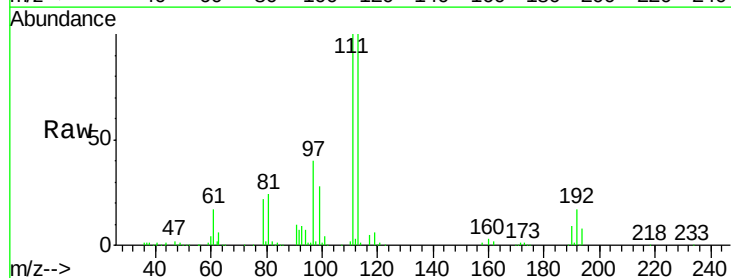
Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V



#34
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 6.15 min Scan# 571
 Delta R.T. -0.04 min
 Lab File: VD048318.D
 Acq: 6 Jan 2016 12:58

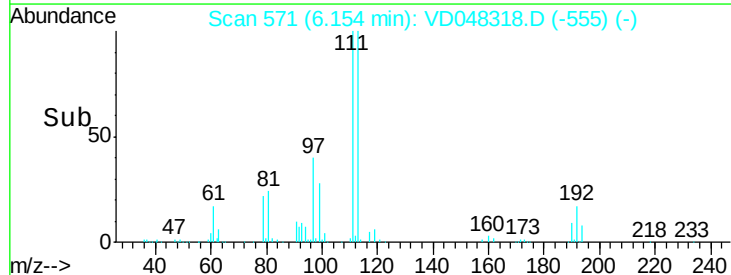
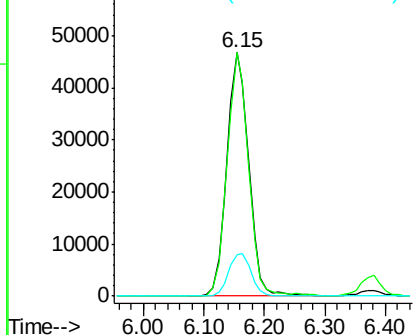
Tgt Ion	Ratio	Lower	Upper
113	100		
111	100.0	83.7	125.5
192	17.0	13.9	20.9

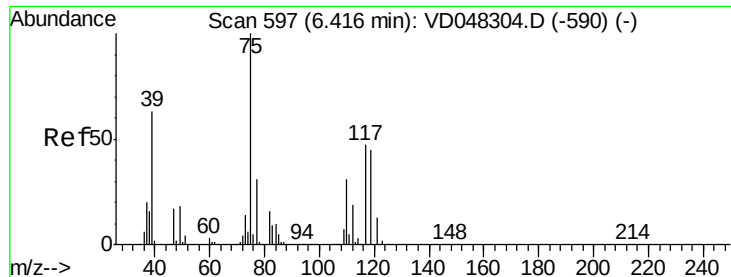


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#35

1,1-Dichloropropene

Concen: 50.40 ug/l

RT: 6.37 min Scan# 593

Delta R.T. -0.04 min

Lab File: VD048318.D

Acq: 6 Jan 2016 12:58

Instrument :

BNA_F

ClientSampleId :

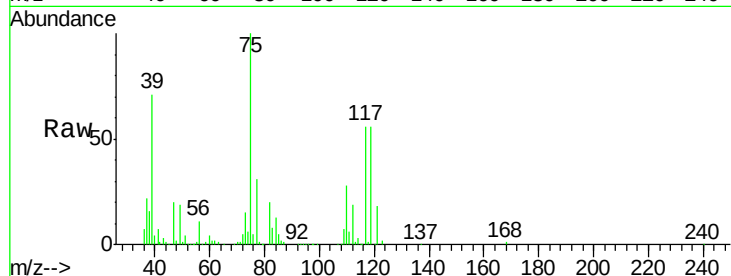
Tot Ion: 75 Resp: 161697

Ion Ratio Lower Upper

75 100

110 28.3 15.6 46.8

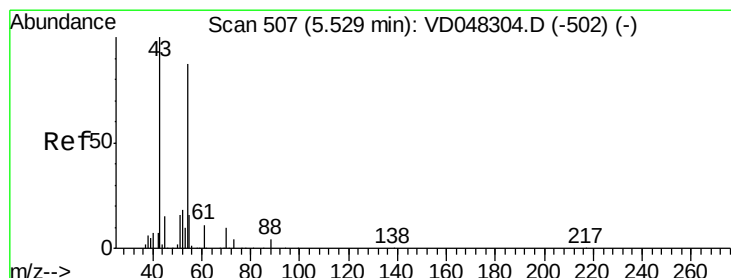
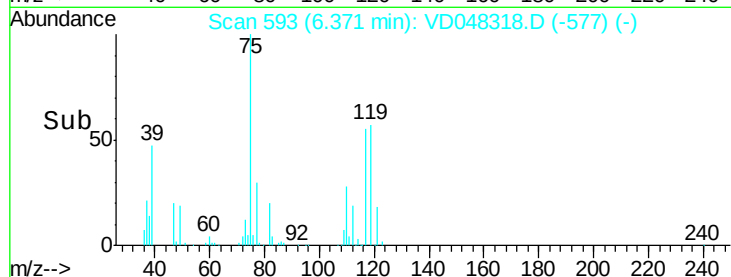
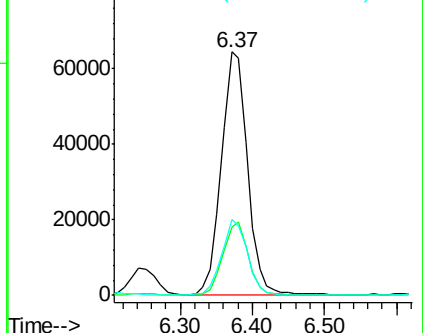
77 31.1 24.2 36.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): VDC

Ion 76.95 (76.65 to 77.65): VDC



#36

Ethyl Acetate

Concen: 47.23 ug/l

RT: 5.48 min Scan# 503

Delta R.T. -0.04 min

Lab File: VD048318.D

Acq: 6 Jan 2016 12:58

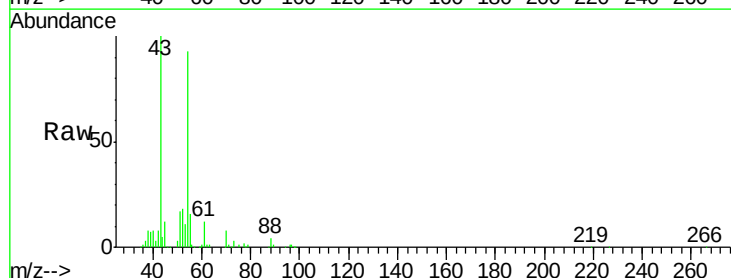
Tgt Ion: 43 Resp: 66914

Ion Ratio Lower Upper

43 100

61 12.5 10.2 15.2

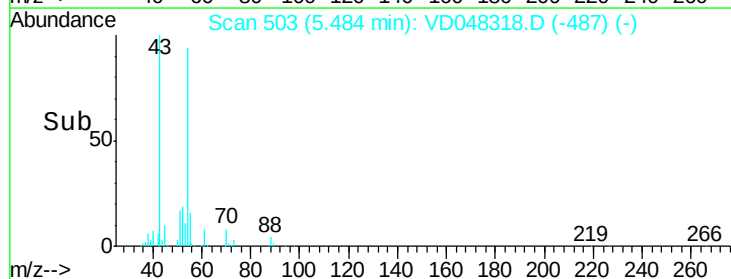
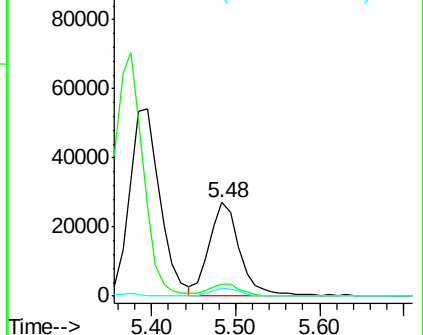
70 8.0 7.8 11.8

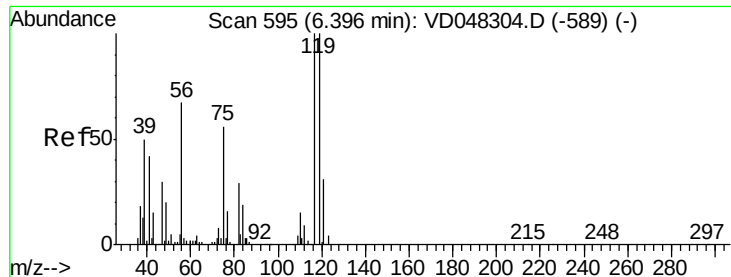


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC





#37

Carbon Tetrachloride

Concen: 49.74 ug/l

RT: 6.35 min Scan# 591

Delta R.T. -0.04 min

Lab File: VD048318.D

Acq: 6 Jan 2016 12:58

Instrument :

BNA_F

ClientSampleId :

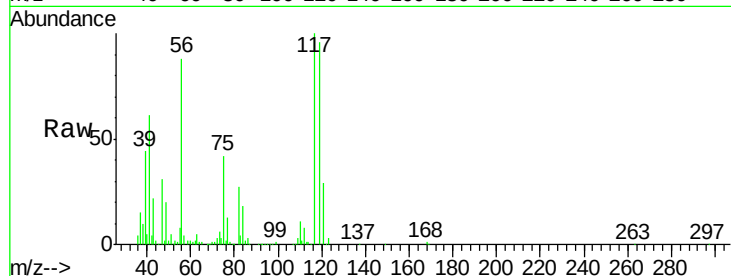
Tot Ion:117 Resp: 142111

Ion Ratio Lower Upper

117 100

119 95.9 79.8 119.8

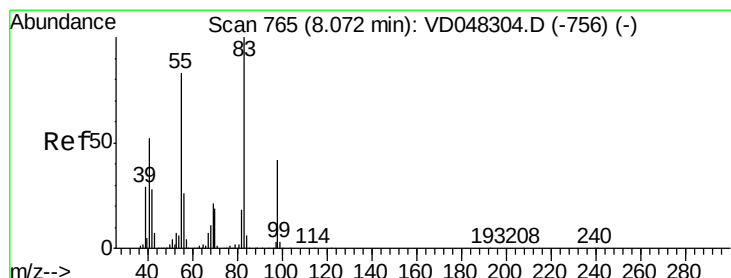
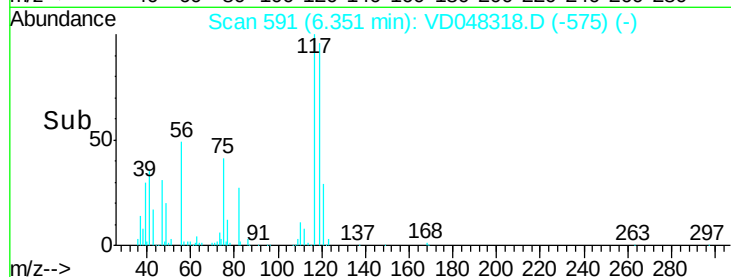
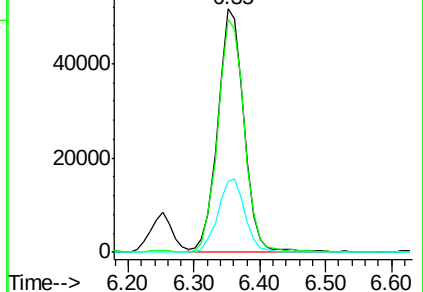
121 29.0 24.2 36.2



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



#38

Methylcyclohexane

Concen: 49.18 ug/l

RT: 8.03 min Scan# 761

Delta R.T. -0.04 min

Lab File: VD048318.D

Acq: 6 Jan 2016 12:58

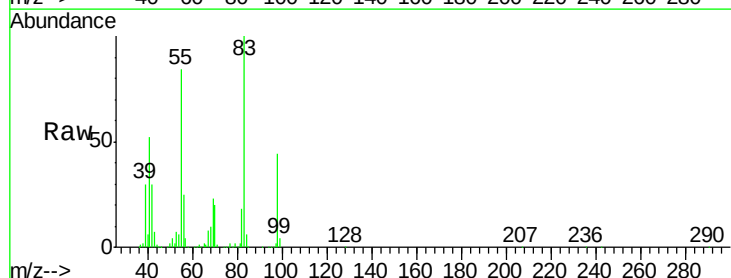
Tgt Ion: 83 Resp: 169801

Ion Ratio Lower Upper

83 100

55 84.1 72.0 108.0

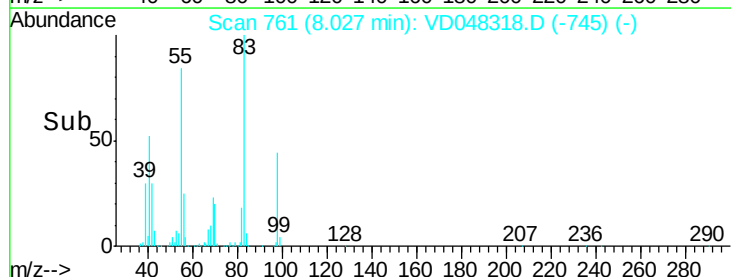
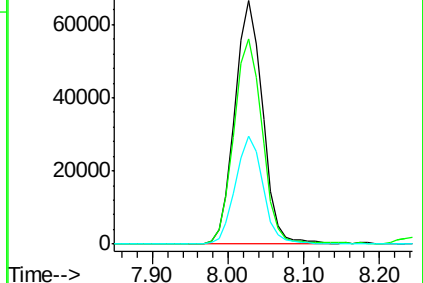
98 44.2 35.3 52.9

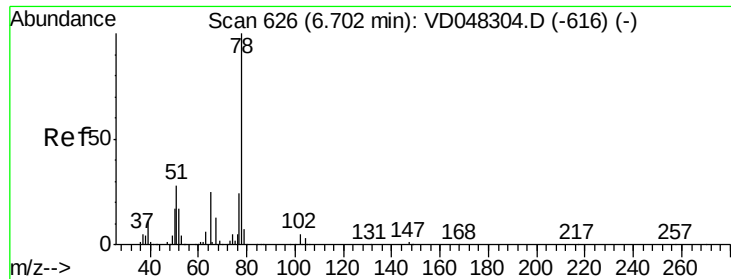


Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC





#39

Benzene

Concen: 46.60 ug/l

RT: 6.67 min Scan# 623

Delta R.T. -0.03 min

Lab File: VD048318.D

Acq: 6 Jan 2016 12:58

Instrument :

BNA_F

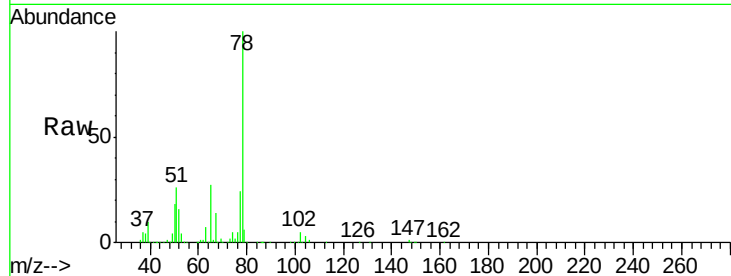
ClientSampleId :

Tot Ion: 78 Resp: 398580

Ion Ratio Lower Upper

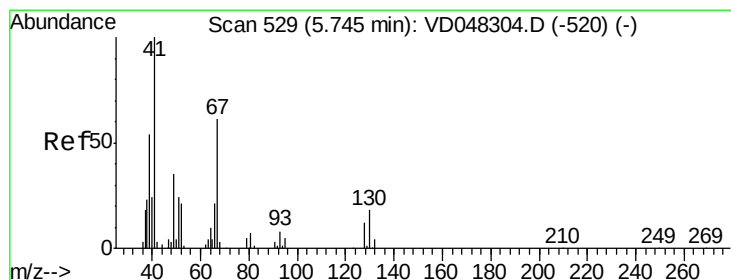
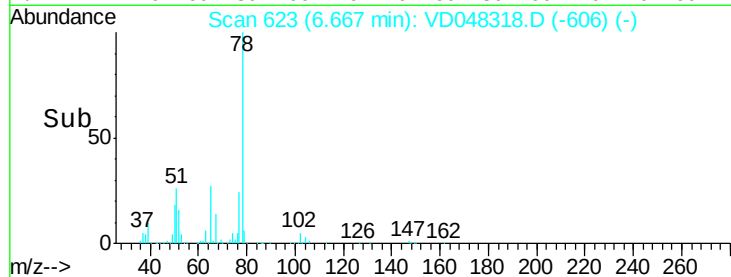
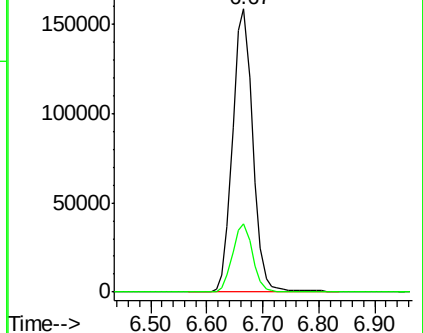
78 100

77 24.0 18.5 27.7



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC



#40

Methacrylonitrile

Concen: 51.29 ug/l

RT: 5.70 min Scan# 525

Delta R.T. -0.04 min

Lab File: VD048318.D

Acq: 6 Jan 2016 12:58

Tgt Ion: 41 Resp: 42608

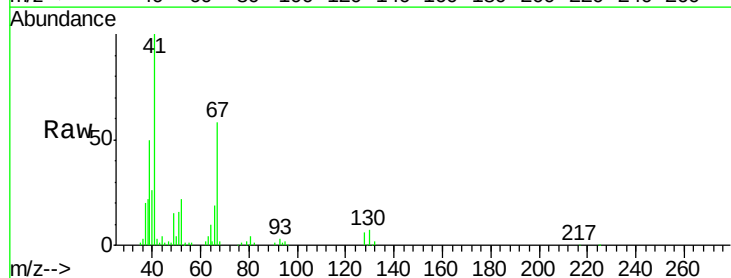
Ion Ratio Lower Upper

41 100

39 50.0 41.2 61.8

67 57.7 47.0 70.6

52 21.9 18.9 28.3

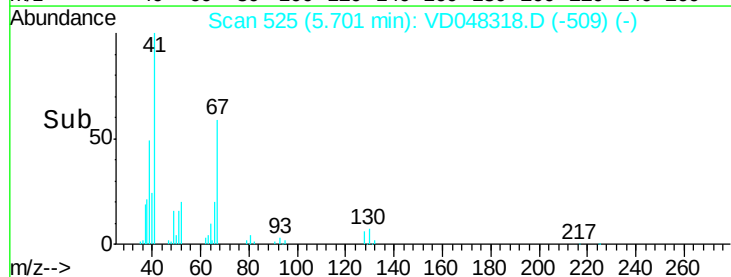
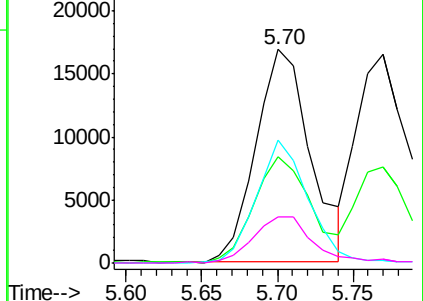


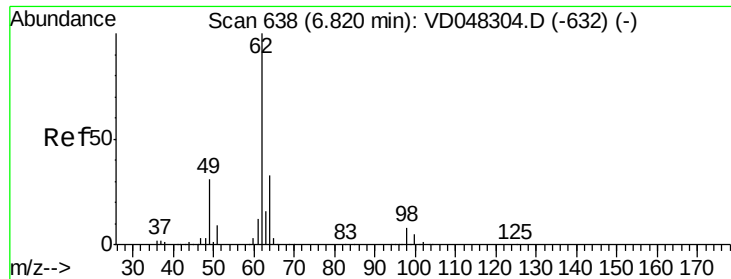
Abundance Ion 40.95 (40.65 to 41.65): VDC

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

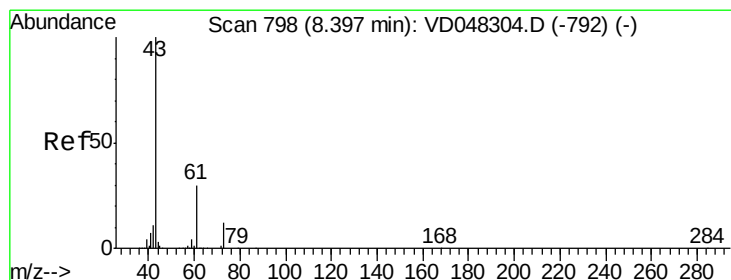
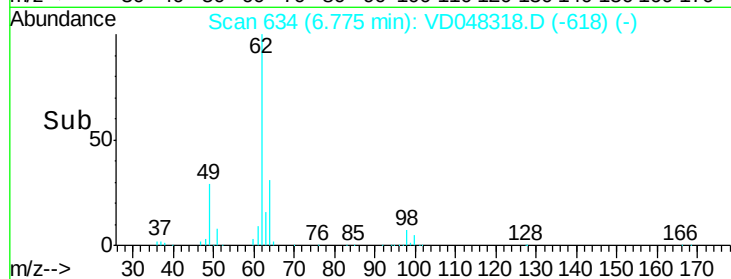
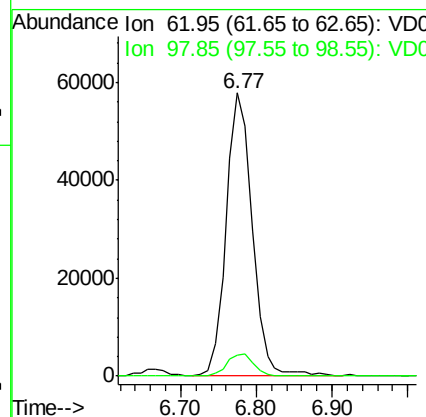
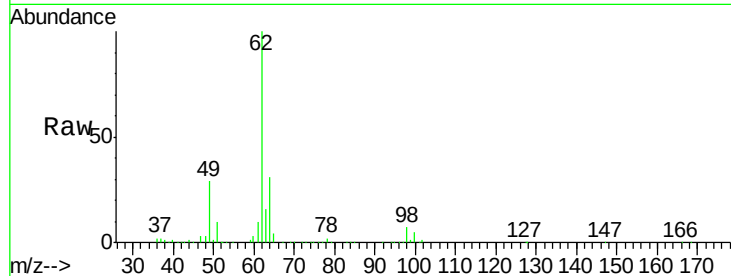




#41
 1,2-Dichloroethane
 Concen: 51.70 ug/l
 RT: 6.77 min Scan# 634
 Delta R.T. -0.04 min
 Lab File: VD048318.D
 Acq: 6 Jan 2016 12:58

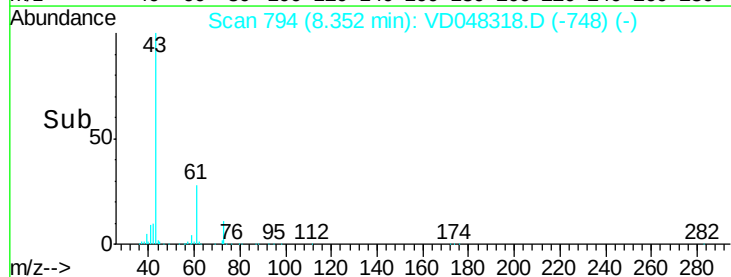
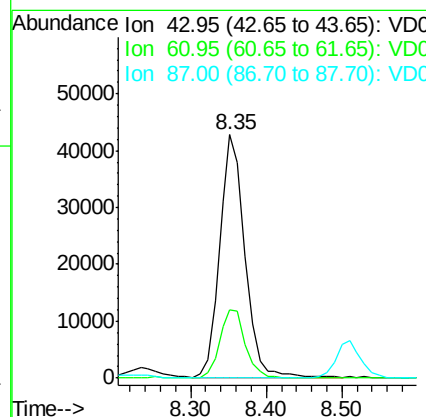
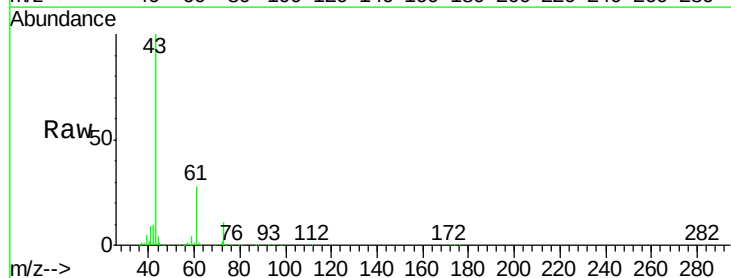
Instrument :
 BNA_F
 ClientSampleId :

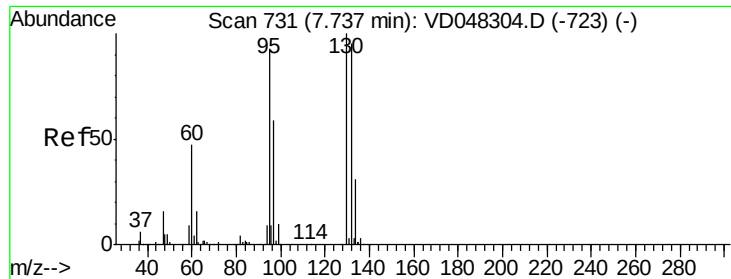
Tot Ion: 62 Resp: 138868
 Ion Ratio Lower Upper
 62 100
 98 7.4 0.0 14.0



#42
 Isopropyl Acetate
 Concen: 49.11 ug/l
 RT: 8.35 min Scan# 794
 Delta R.T. -0.04 min
 Lab File: VD048318.D
 Acq: 6 Jan 2016 12:58

Tgt Ion: 43 Resp: 98906
 Ion Ratio Lower Upper
 43 100
 61 27.9 23.8 35.8
 87 0.2 0.3 0.5#

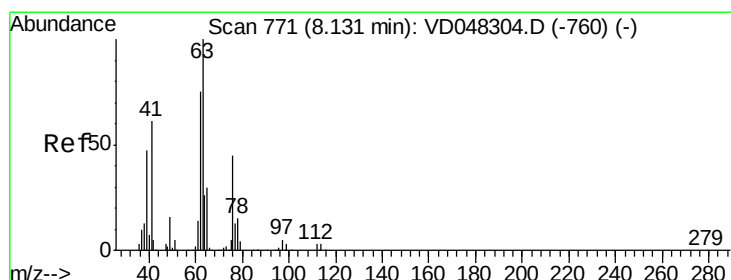
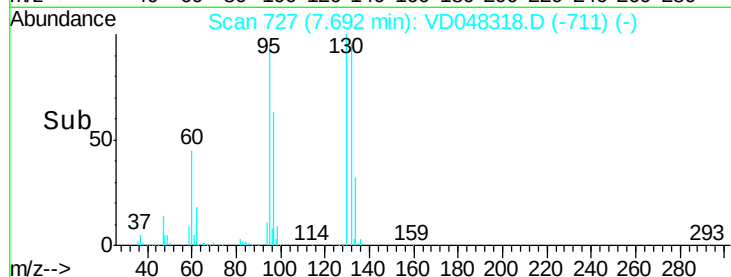
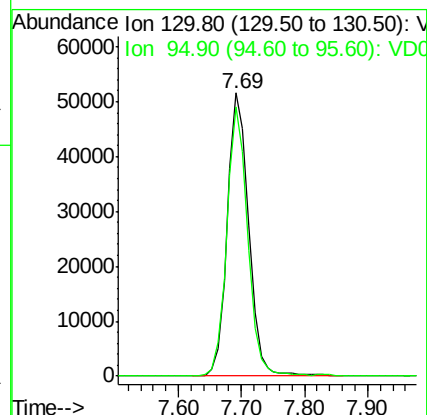
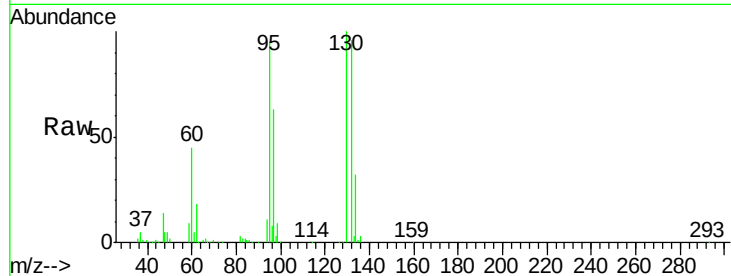




#43
 Trichloroethene
 Concen: 50.74 ug/l
 RT: 7.69 min Scan# 727
 Delta R.T. -0.04 min
 Lab File: VD048318.D
 Acq: 6 Jan 2016 12:58

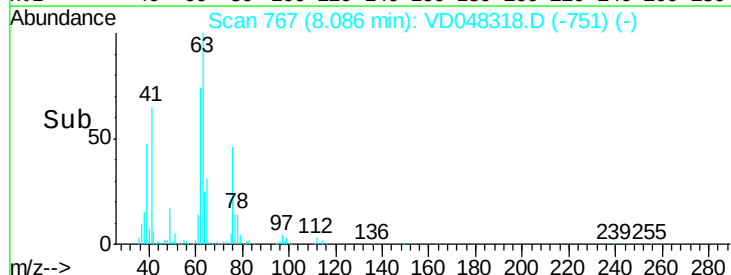
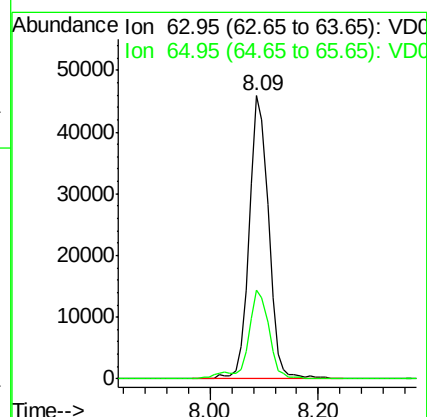
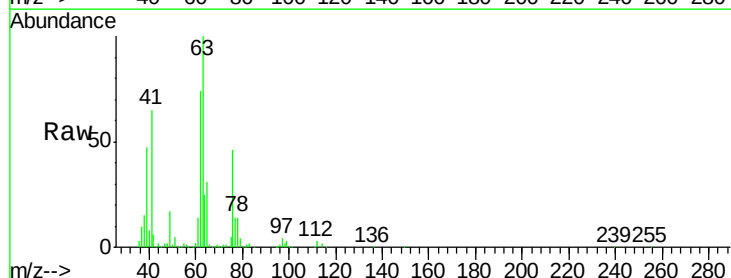
Instrument :
 BNA_F
 ClientSampleId :

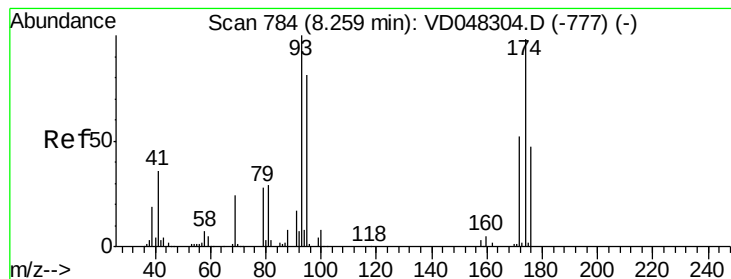
Tot Ion:130 Resp: 122293
 Ion Ratio Lower Upper
 130 100
 95 95.2 0.0 190.2



#44
 1,2-Dichloropropane
 Concen: 48.24 ug/l
 RT: 8.09 min Scan# 767
 Delta R.T. -0.04 min
 Lab File: VD048318.D
 Acq: 6 Jan 2016 12:58

Tgt Ion: 63 Resp: 114464
 Ion Ratio Lower Upper
 63 100
 65 31.2 23.7 35.5





#45

Dibromomethane

Concen: 49.82 ug/l

RT: 8.21 min Scan# 780

Delta R.T. -0.04 min

Lab File: VD048318.D

Acq: 6 Jan 2016 12:58

Instrument :

BNA_F

ClientSampleId :

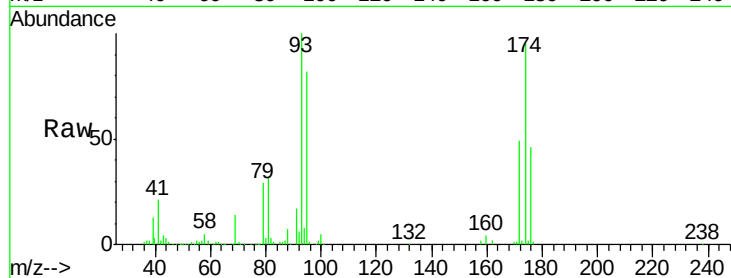
Tot Ion: 93 Resp: 64392

Ion Ratio Lower Upper

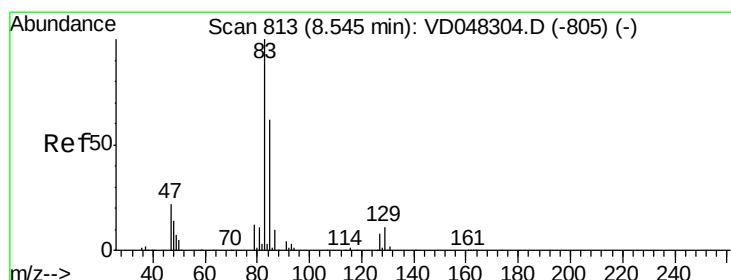
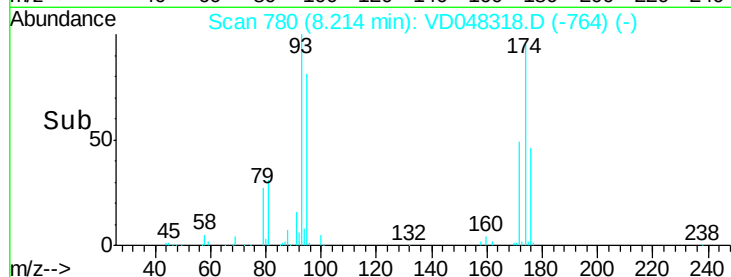
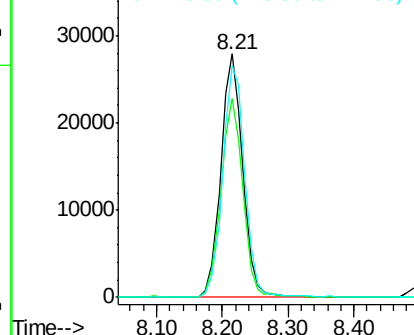
93 100

95 81.7 64.4 96.6

174 95.3 74.6 112.0



Abundance Ion 92.90 (92.60 to 93.60): VDC
Ion 94.90 (94.60 to 95.60): VDC
Ion 173.80 (173.50 to 174.50): V



#46

Bromodichloromethane

Concen: 51.97 ug/l

RT: 8.51 min Scan# 810

Delta R.T. -0.03 min

Lab File: VD048318.D

Acq: 6 Jan 2016 12:58

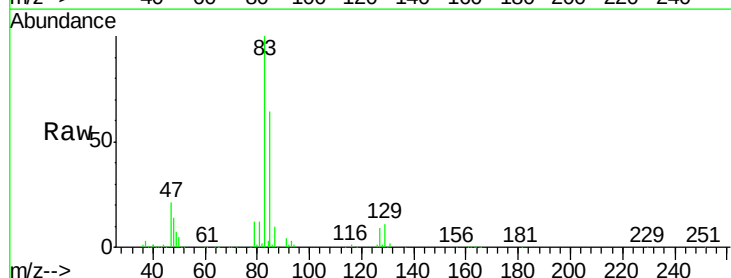
Tgt Ion: 83 Resp: 160393

Ion Ratio Lower Upper

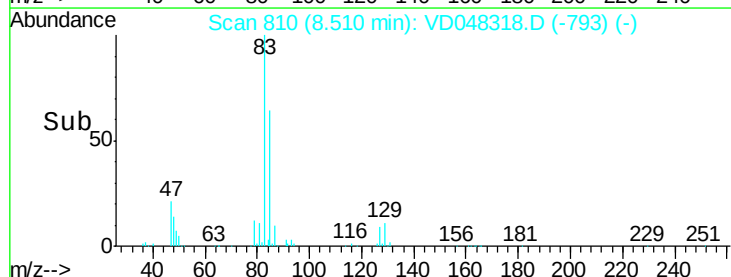
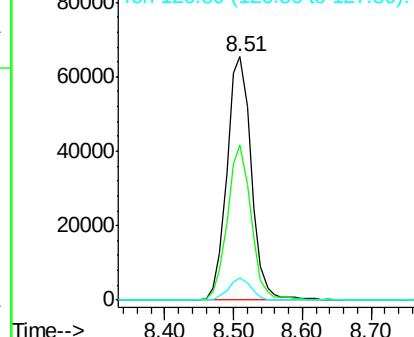
83 100

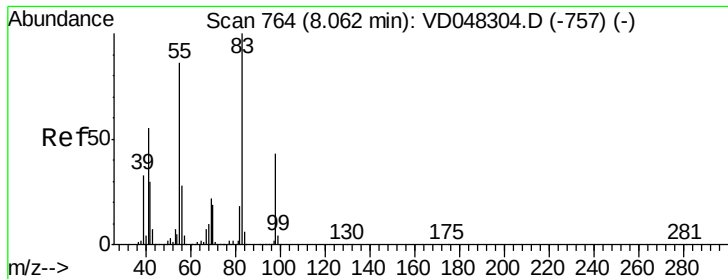
85 63.9 48.7 73.1

127 8.9 6.8 10.2



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): V





#47

Methyl methacrylate

Concen: 47.33 ug/l

RT: 8.03 min Scan# 761

Delta R.T. -0.03 min

Lab File: VD048318.D

Acq: 6 Jan 2016 12:58

Instrument :

BNA_F

ClientSampleId :

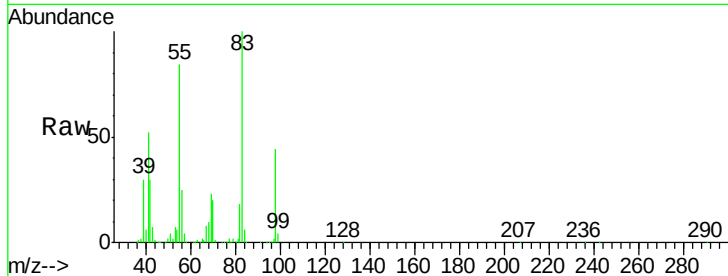
Tot Ion: 41 Resp: 90777

Ion Ratio Lower Upper

41 100

69 45.0 34.6 52.0

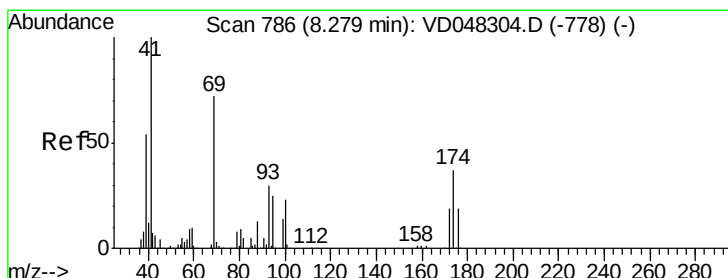
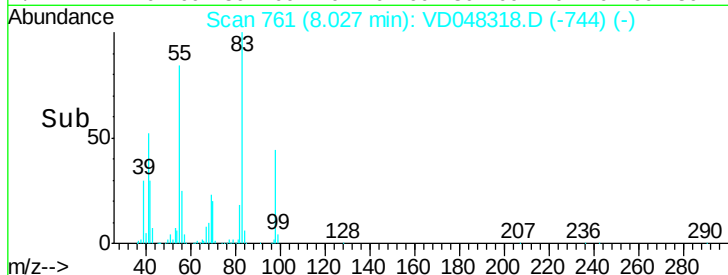
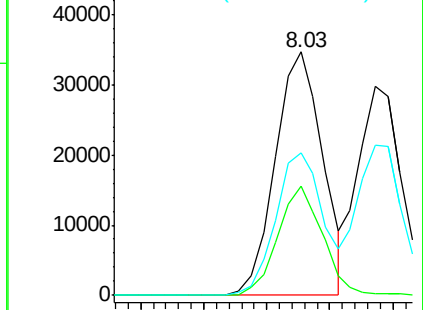
39 58.3 45.6 68.4



Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC



#48

1,4-Dioxane

Concen: 1098.71 ug/l

RT: 8.23 min Scan# 782

Delta R.T. -0.04 min

Lab File: VD048318.D

Acq: 6 Jan 2016 12:58

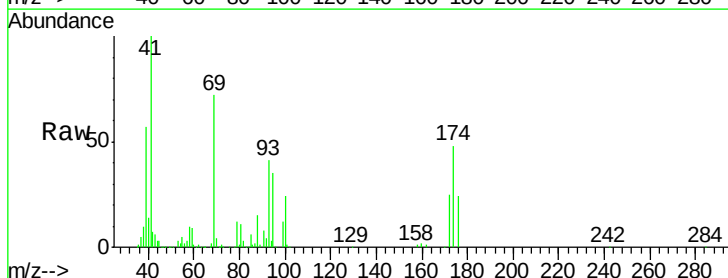
Tgt Ion: 88 Resp: 12780

Ion Ratio Lower Upper

88 100

43 42.5 42.7 64.1#

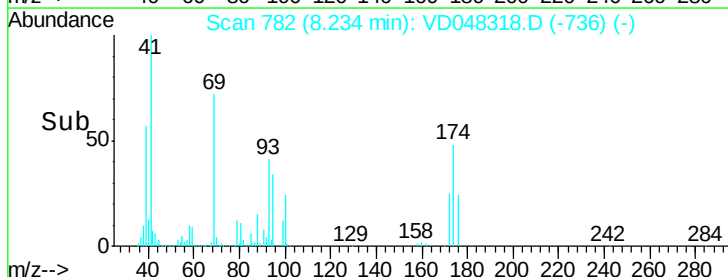
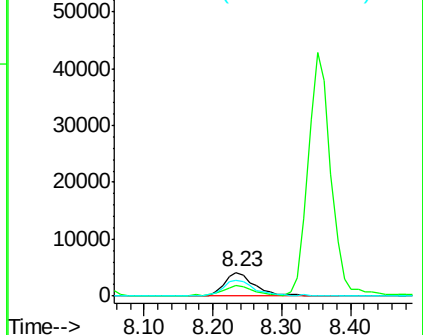
58 67.5 63.9 95.9

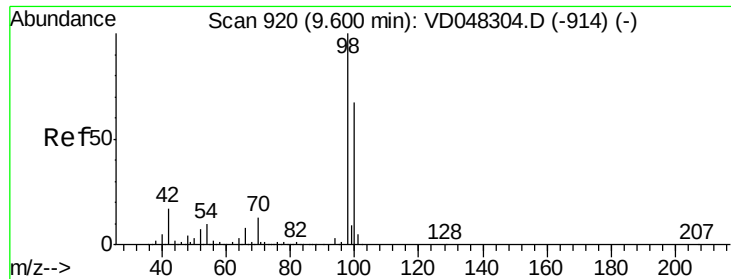


Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC





#49

Toluene-d8

Concen: 1098.71 ug/l

RT: 9.56 min Scan# 917

Delta R.T. -0.04 min

Lab File: VD048318.D

Acq: 6 Jan 2016 12:58

Instrument :

BNA_F

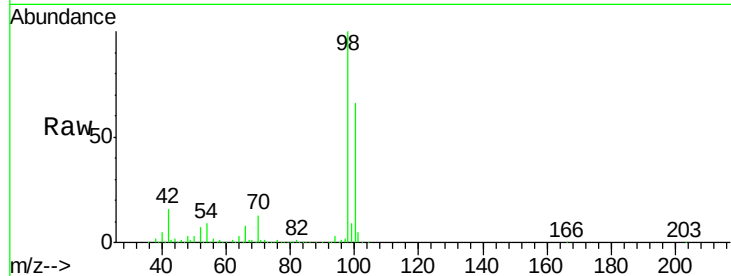
ClientSampled :

Tot Ion: 98 Resp: 295942

Ion Ratio Lower Upper

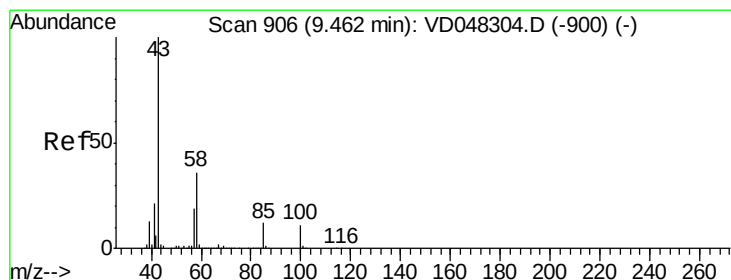
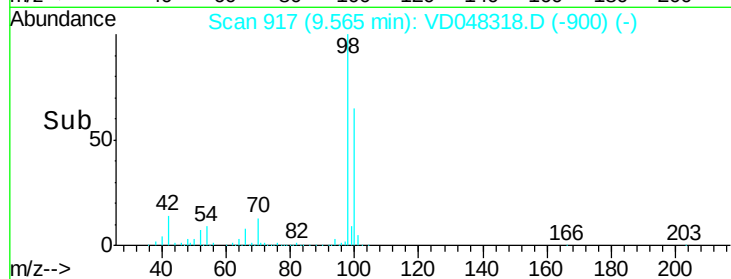
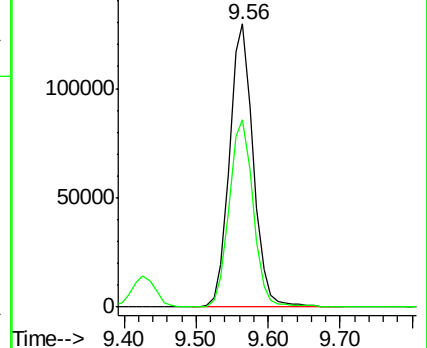
98 100

100 66.4 55.8 83.6



Abundance Ion 98.05 (97.75 to 98.75): VD048318.D (-900) (-)

Ion 100.05 (99.75 to 100.75): VD048318.D (-900) (-)



#50

4-Methyl-2-Pentanone

Concen: 222.11 ug/l

RT: 9.43 min Scan# 903

Delta R.T. -0.04 min

Lab File: VD048318.D

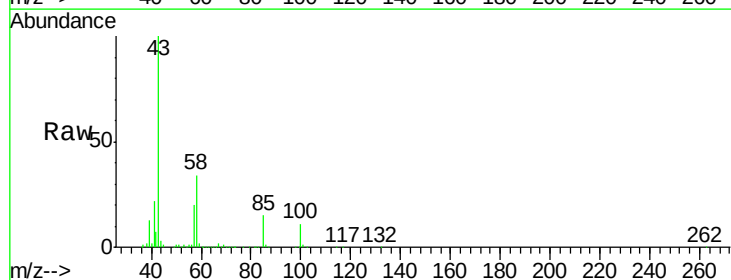
Acq: 6 Jan 2016 12:58

Tgt Ion: 43 Resp: 297371

Ion Ratio Lower Upper

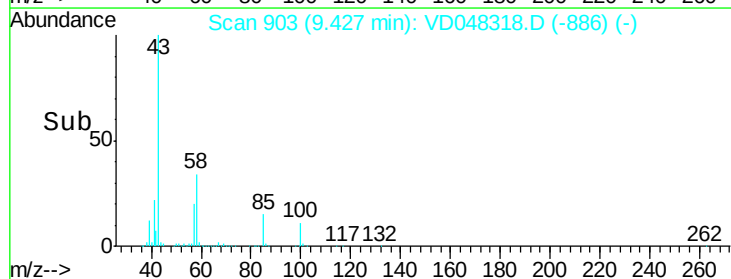
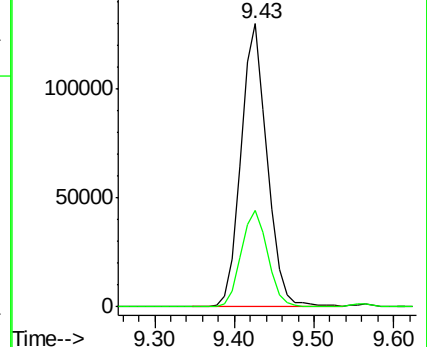
43 100

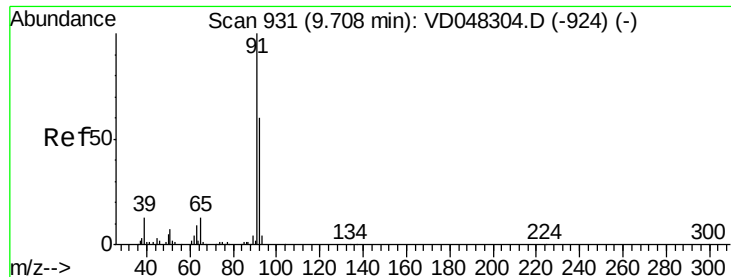
58 34.3 28.5 42.7



Abundance Ion 42.95 (42.65 to 43.65): VD048318.D (-886) (-)

Ion 57.95 (57.65 to 58.65): VD048318.D (-886) (-)





#51

Toluene

Concen: 42.14 ug/l

RT: 9.66 min Scan# 927

Delta R.T. -0.04 min

Lab File: VD048318.D

Acq: 6 Jan 2016 12:58

Instrument :

BNA_F

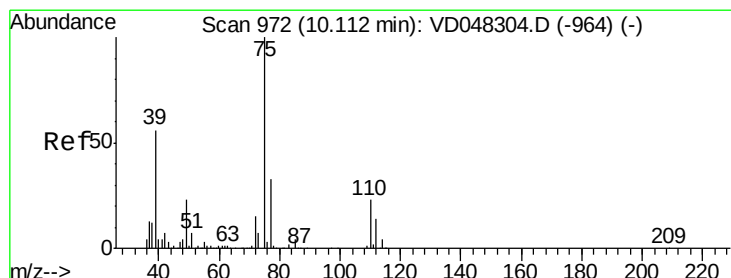
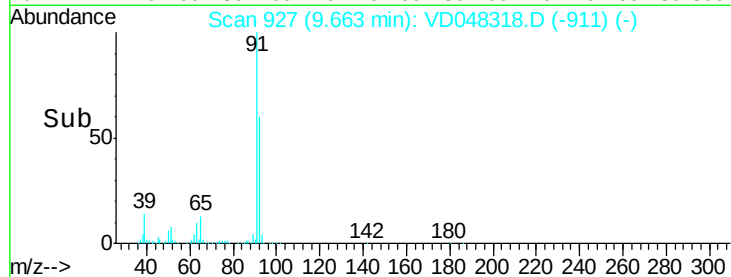
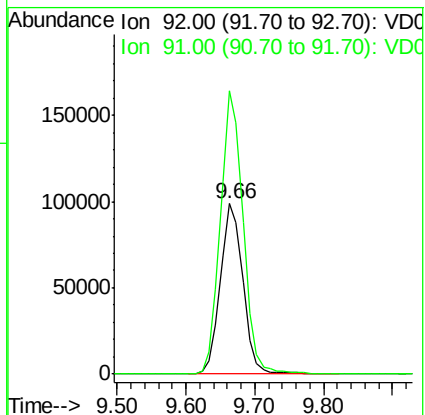
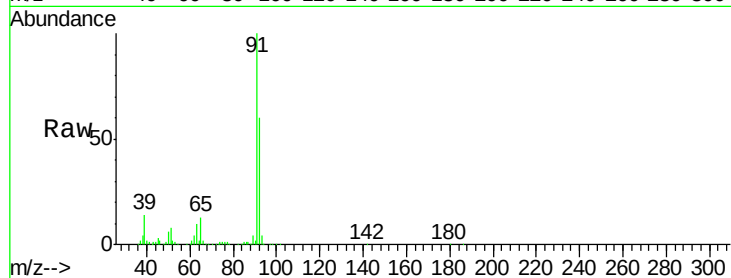
ClientSampleId :

Tot Ion: 92 Resp: 225316

Ion Ratio Lower Upper

92 100

91 165.9 133.4 200.2



#52

t-1,3-Dichloropropene

Concen: 47.88 ug/l

RT: 10.07 min Scan# 968

Delta R.T. -0.04 min

Lab File: VD048318.D

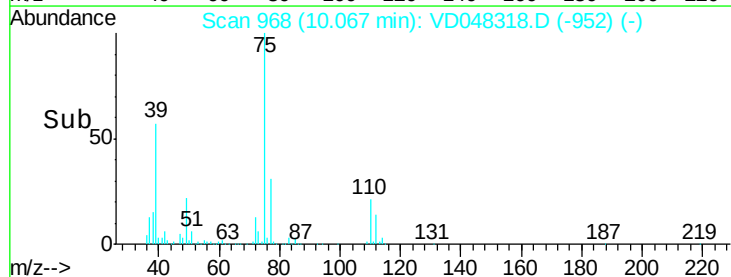
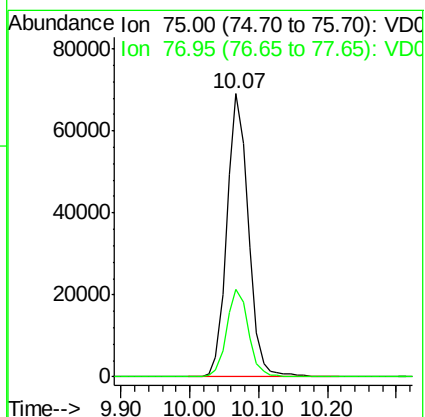
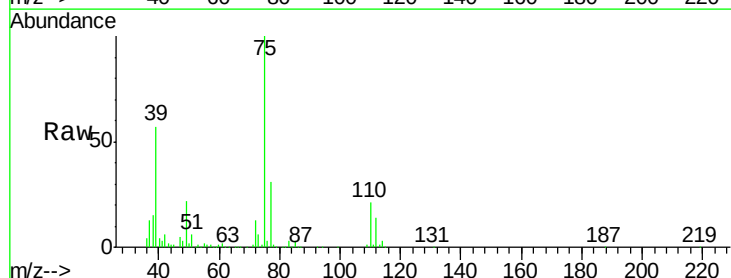
Acq: 6 Jan 2016 12:58

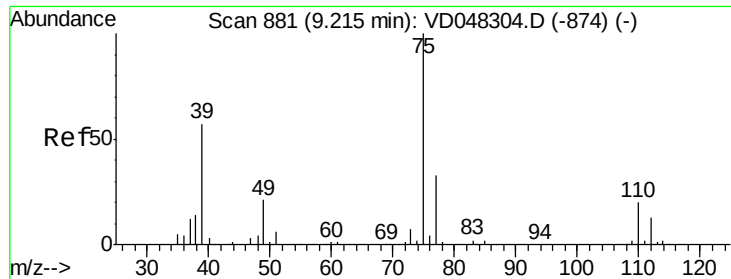
Tgt Ion: 75 Resp: 148884

Ion Ratio Lower Upper

75 100

77 31.0 26.4 39.6





#53

cis-1,3-Dichloropropene

Concen: 37.83 ug/l

RT: 9.18 min Scan# 878

Delta R.T. -0.03 min

Lab File: VD048318.D

Acq: 6 Jan 2016 12:58

Instrument :

BNA_F

ClientSampleId :

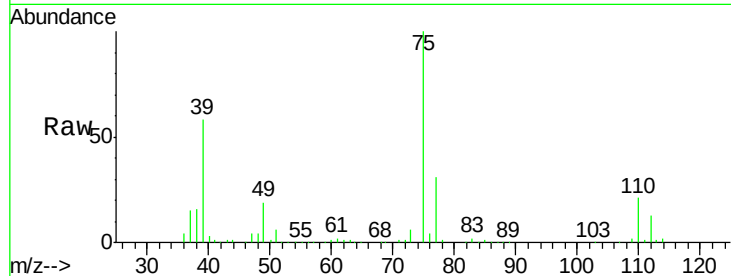
Tot Ion: 75 Resp: 138742

Ion Ratio Lower Upper

75 100

77 30.6 25.8 38.6

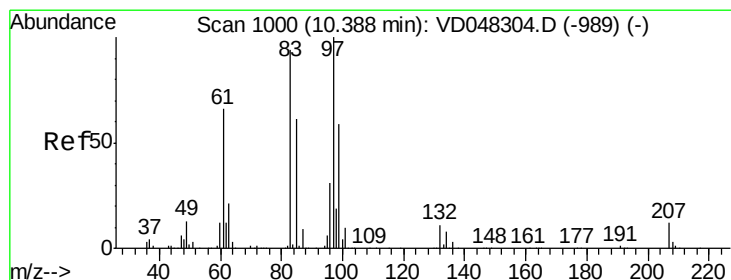
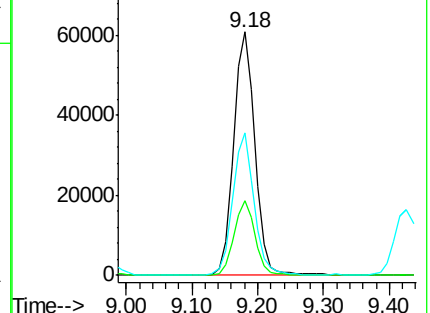
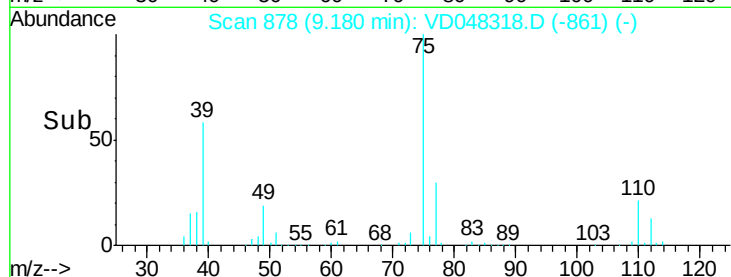
39 58.4 41.5 62.3



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC



#54

1,1,2-Trichloroethane

Concen: 49.61 ug/l

RT: 10.35 min Scan# 997

Delta R.T. -0.03 min

Lab File: VD048318.D

Acq: 6 Jan 2016 12:58

Tgt Ion: 97 Resp: 80871

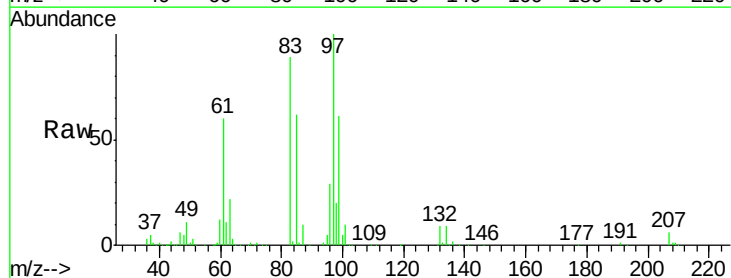
Ion Ratio Lower Upper

97 100

83 89.0 78.2 117.2

85 62.0 48.1 72.1

99 61.4 50.0 75.0

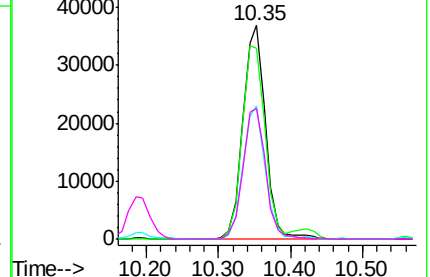
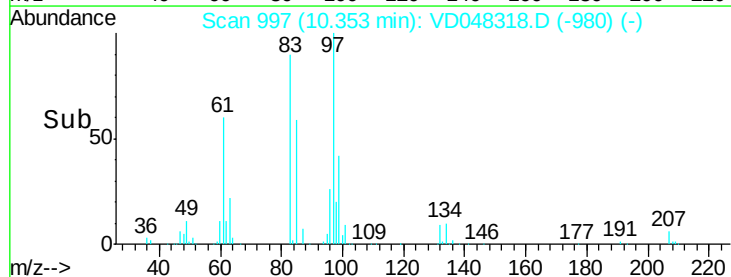


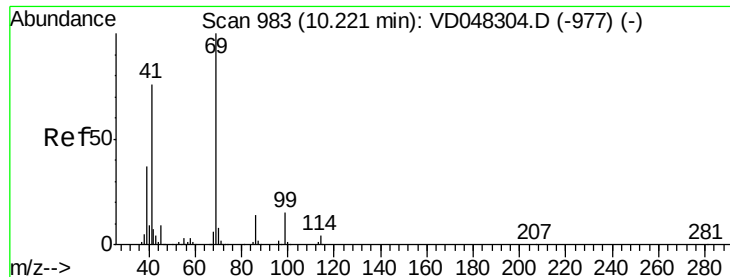
Abundance Ion 96.85 (96.55 to 97.55): VDC

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

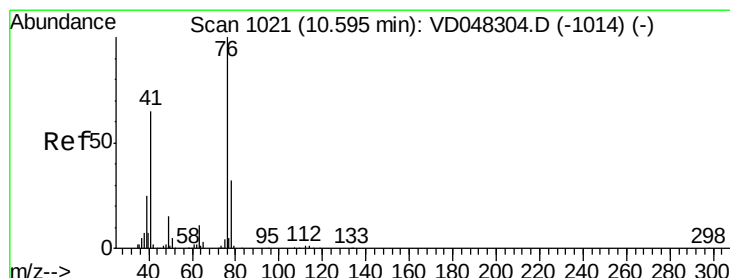
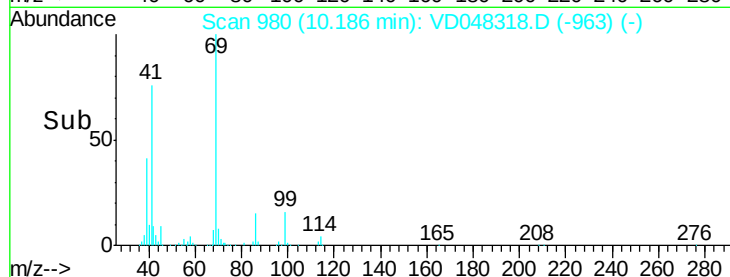
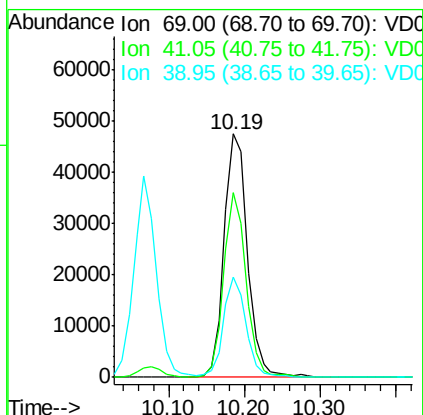
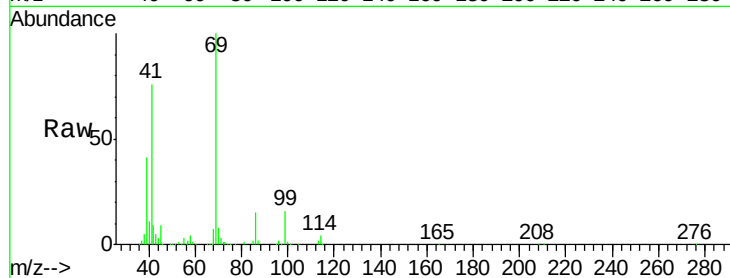




#55
Ethyl methacrylate
Concen: 48.19 ug/l
RT: 10.19 min Scan# 980
Delta R.T. -0.03 min
Lab File: VD048318.D
Acq: 6 Jan 2016 12:58

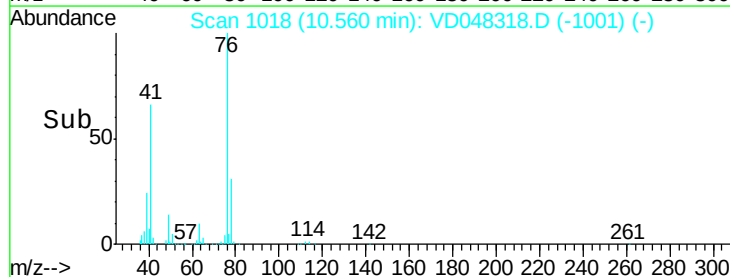
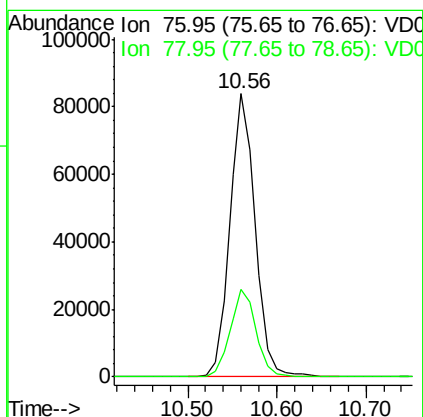
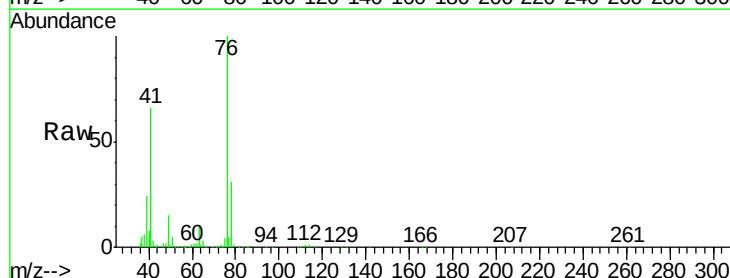
Instrument :
BNA_F
ClientSampleId :

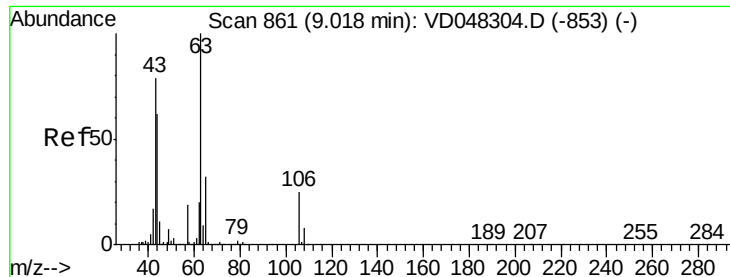
Tot Ion: 69 Resp: 101964
Ion Ratio Lower Upper
69 100
41 75.9 55.3 82.9
39 41.1 29.4 44.2



#56
1,3-Dichloropropane
Concen: 51.62 ug/l
RT: 10.56 min Scan# 1018
Delta R.T. -0.03 min
Lab File: VD048318.D
Acq: 6 Jan 2016 12:58

Tgt Ion: 76 Resp: 167762
Ion Ratio Lower Upper
76 100
78 31.1 25.8 38.8





#57

2-Chloroethyl Vinyl ether

Concen: 222.76 ug/l

RT: 8.97 min Scan# 857

Delta R.T. -0.04 min

Lab File: VD048318.D

Acq: 6 Jan 2016 12:58

Instrument :

BNA_F

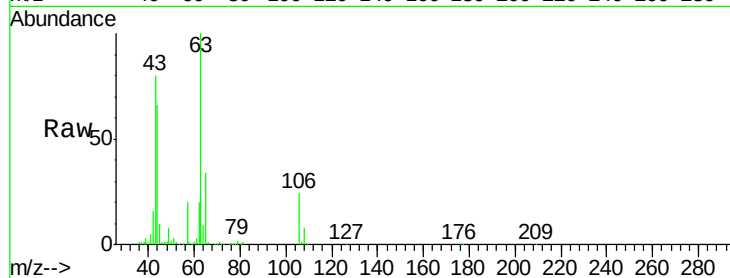
ClientSampleId :

Tot Ion: 63 Resp: 246840

Ion Ratio Lower Upper

63 100

106 23.6 18.7 28.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

8.97

120000

100000

80000

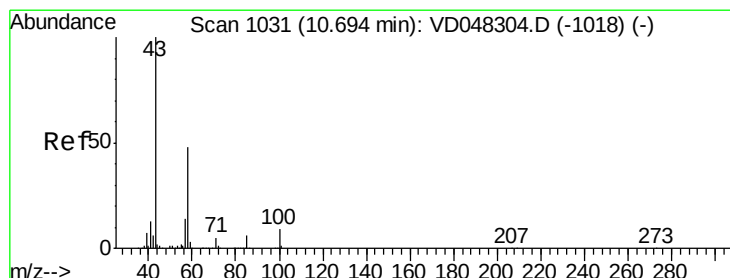
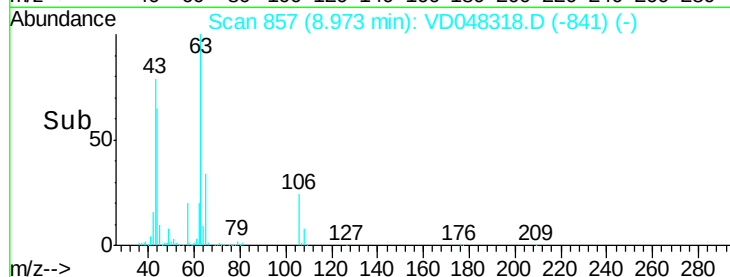
60000

40000

20000

0

Time-->



#58

2-Hexanone

Concen: 267.83 ug/l

RT: 10.66 min Scan# 1028

Delta R.T. -0.03 min

Lab File: VD048318.D

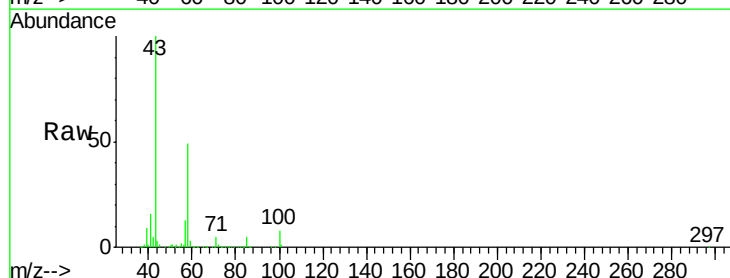
Acq: 6 Jan 2016 12:58

Tgt Ion: 43 Resp: 260970

Ion Ratio Lower Upper

43 100

58 48.9 24.4 73.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.66

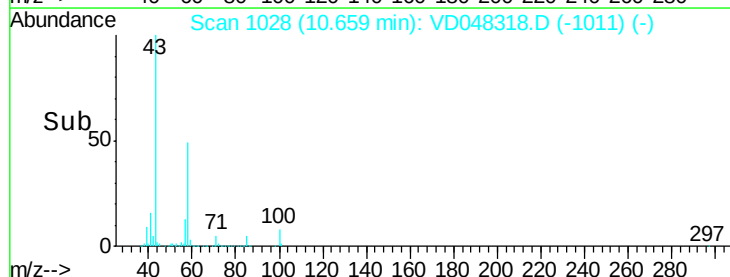
150000

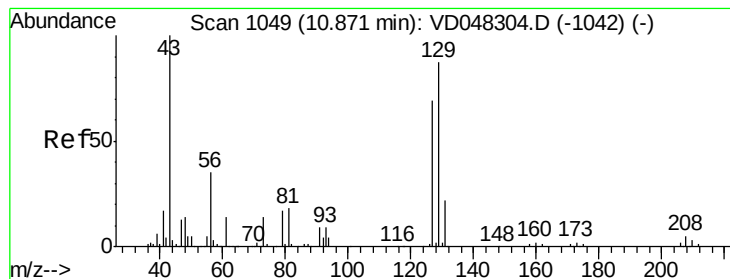
100000

50000

0

Time-->





#59

Dibromochloromethane

Concen: 52.23 ug/l

RT: 10.84 min Scan# 1046

Delta R.T. -0.04 min

Lab File: VD048318.D

Acq: 6 Jan 2016 12:58

Instrument :

BNA_F

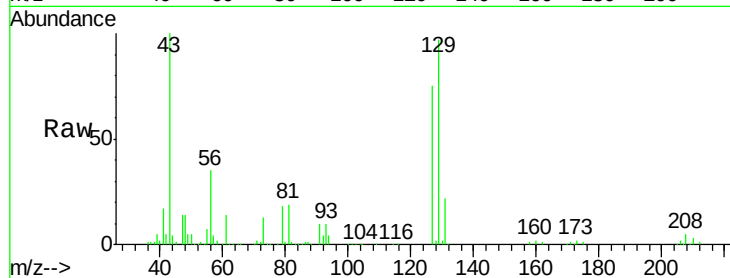
ClientSampleId :

Tot Ion:129 Resp: 112840

Ion Ratio Lower Upper

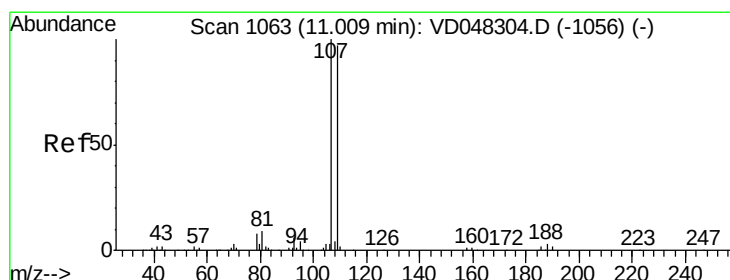
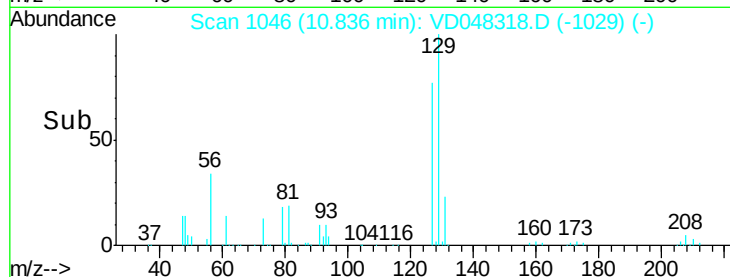
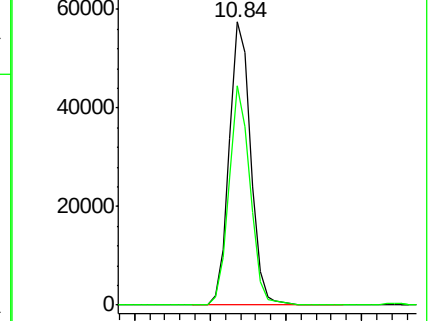
129 100

127 77.4 37.5 112.7



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#60

1,2-Dibromoethane

Concen: 50.94 ug/l

RT: 10.97 min Scan# 1060

Delta R.T. -0.04 min

Lab File: VD048318.D

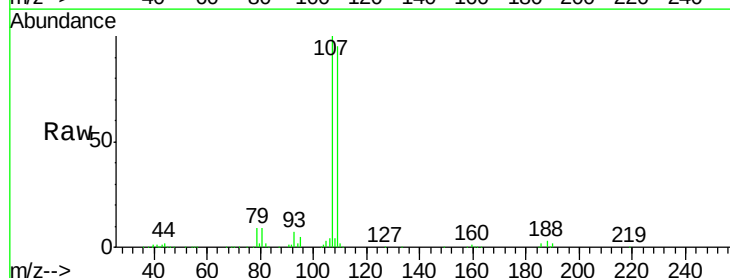
Acq: 6 Jan 2016 12:58

Tgt Ion:107 Resp: 89013

Ion Ratio Lower Upper

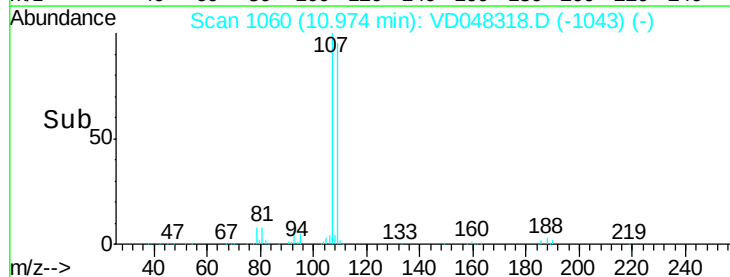
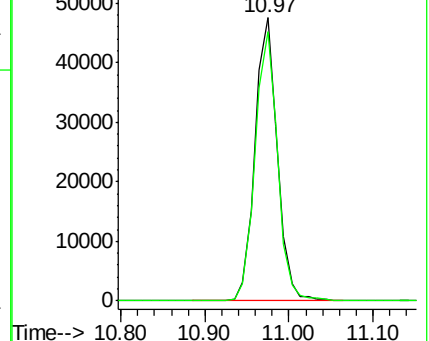
107 100

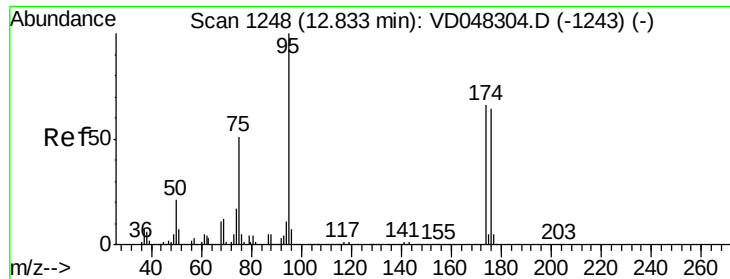
109 95.4 77.3 115.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

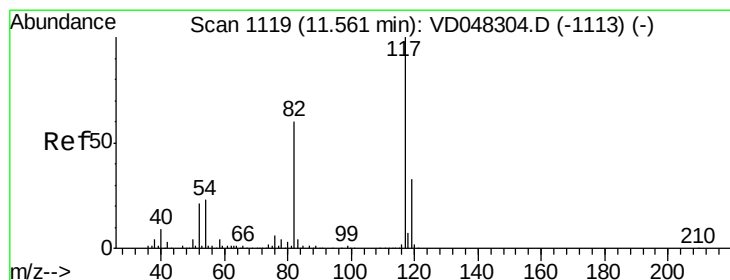
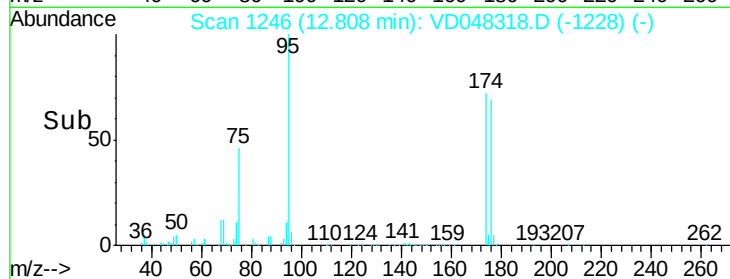
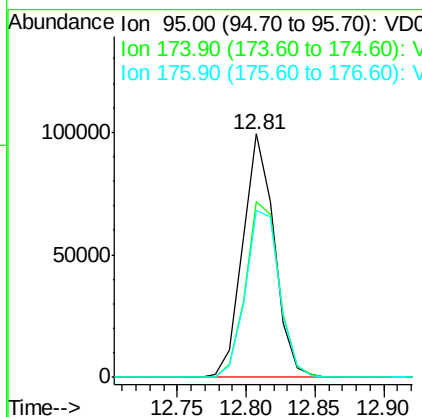
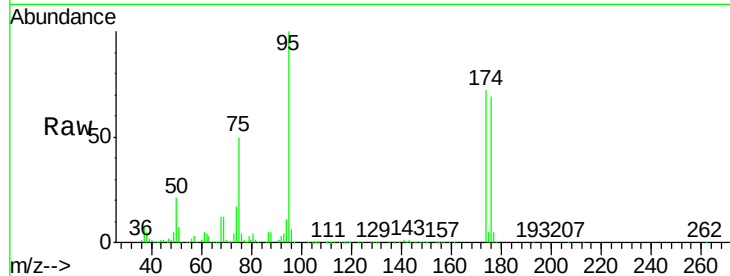




#61
 4-Bromofluorobenzene
 Concen: 50.94 ug/l
 RT: 12.81 min Scan# 1246
 Delta R.T. -0.03 min
 Lab File: VD048318.D
 Acq: 6 Jan 2016 12:58

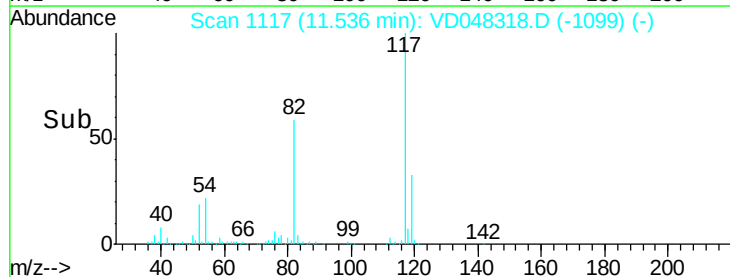
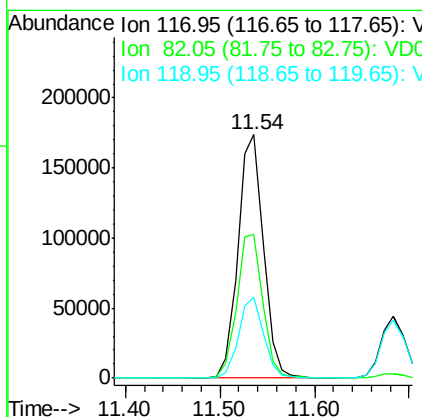
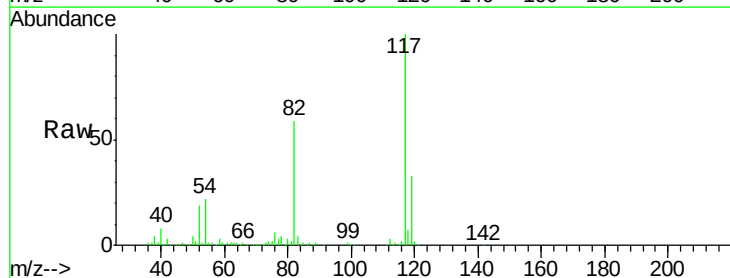
Instrument :
 BNA_F
 ClientSampled :

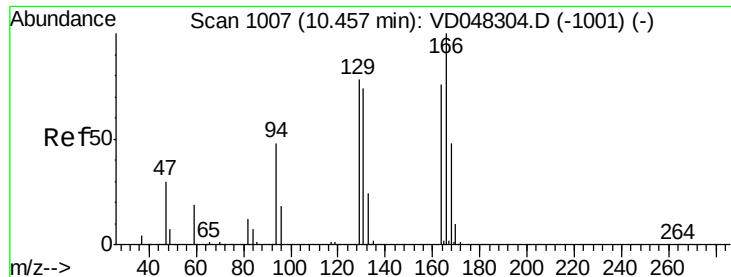
Tot Ion	95	Resp	158351
Ion Ratio	100		
Lower			
Upper			
174	72.4	0.0	156.2
176	68.6	0.0	147.4



#62
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.54 min Scan# 1117
 Delta R.T. -0.03 min
 Lab File: VD048318.D
 Acq: 6 Jan 2016 12:58

Tgt Ion	117	Resp	323564
Ion Ratio <td>100</td> <td></td> <td></td>	100		
Lower			
Upper			
82	58.8	46.8	70.2
119	33.2	26.1	39.1

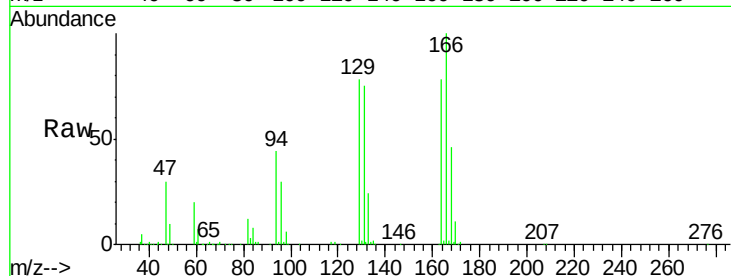




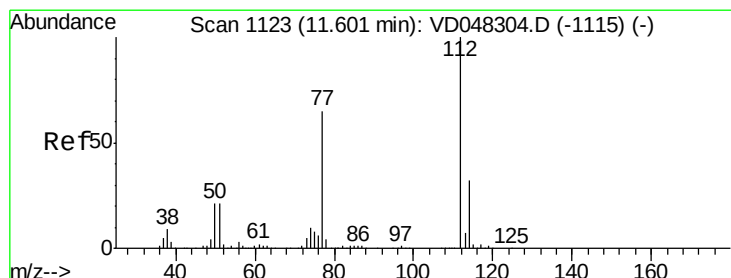
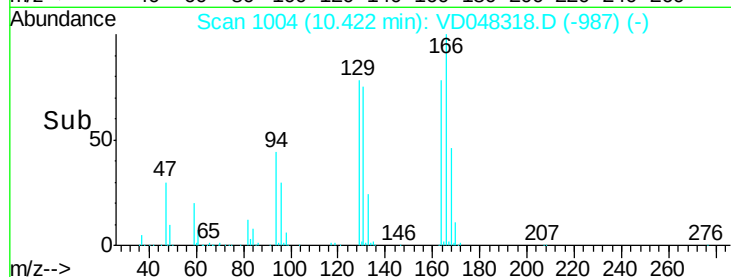
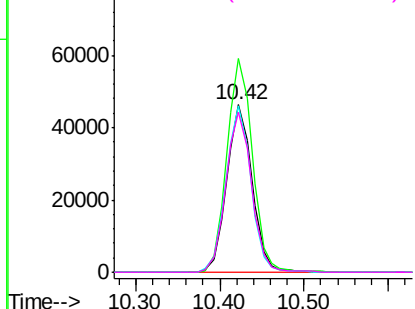
#63
Tetrachloroethene
Concen: 48.51 ug/l
RT: 10.42 min Scan# 1004
Delta R.T. -0.03 min
Lab File: VD048318.D
Acq: 6 Jan 2016 12:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 97249
Ion Ratio Lower Upper
164 100
166 127.6 103.9 155.9
129 99.5 78.9 118.3
131 95.4 77.0 115.6

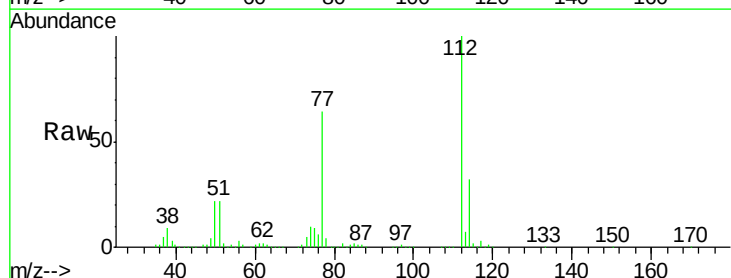


Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

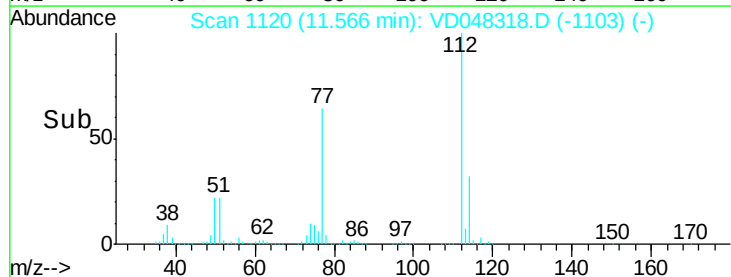
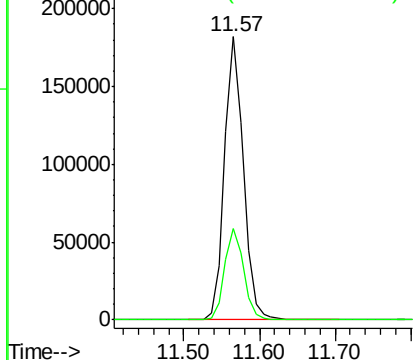


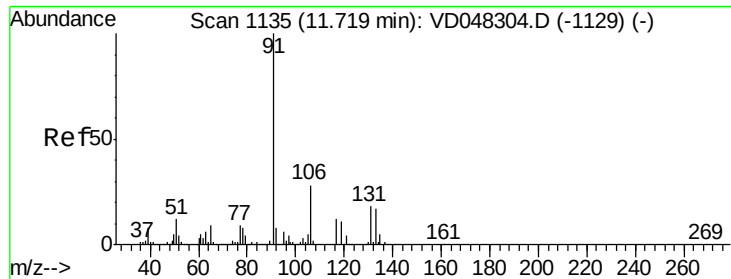
#64
Chlorobenzene
Concen: 48.78 ug/l
RT: 11.57 min Scan# 1120
Delta R.T. -0.03 min
Lab File: VD048318.D
Acq: 6 Jan 2016 12:58

Tgt Ion:112 Resp: 314575
Ion Ratio Lower Upper
112 100
114 32.3 26.1 39.1



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 114.00 (113.70 to 114.70): V





#65

1,1,1,2-Tetrachloroethane

Concen: 49.57 ug/l

RT: 11.68 min Scan# 1132

Delta R.T. -0.03 min

Lab File: VD048318.D

Acq: 6 Jan 2016 12:58

Instrument :

BNA_F

ClientSampleId :

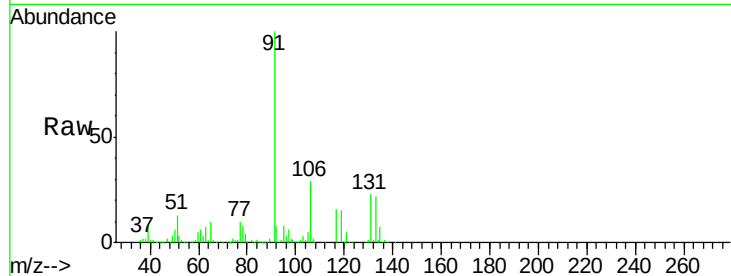
Tot Ion:131 Resp: 114011

Ion Ratio Lower Upper

131 100

133 96.1 47.5 142.6

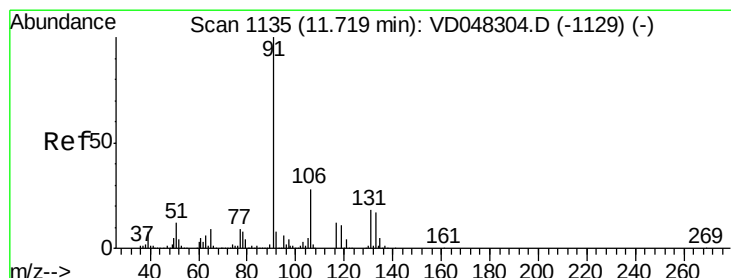
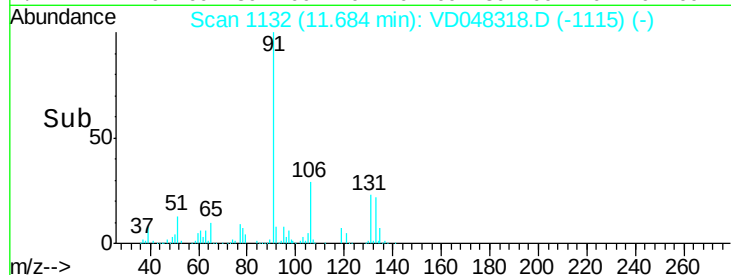
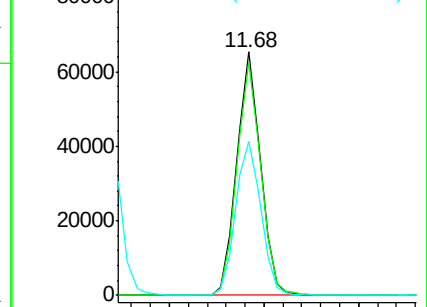
119 63.4 32.9 98.7



Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V



#66

Ethyl Benzene

Concen: 48.39 ug/l

RT: 11.69 min Scan# 1133

Delta R.T. -0.03 min

Lab File: VD048318.D

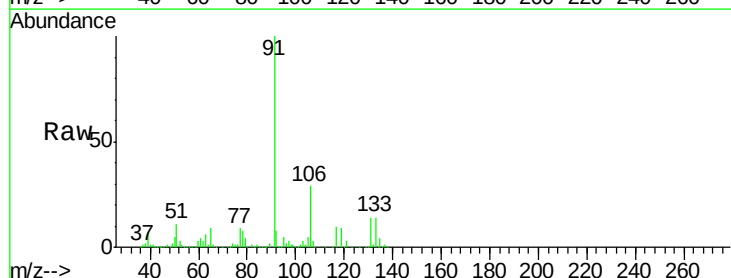
Acq: 6 Jan 2016 12:58

Tgt Ion: 91 Resp: 552140

Ion Ratio Lower Upper

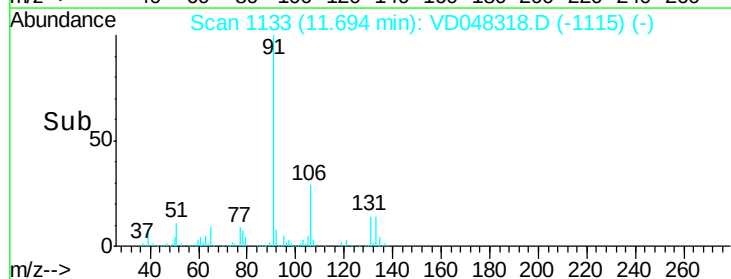
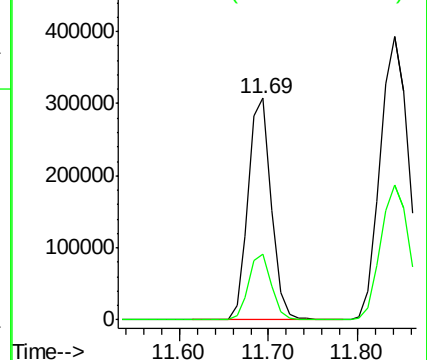
91 100

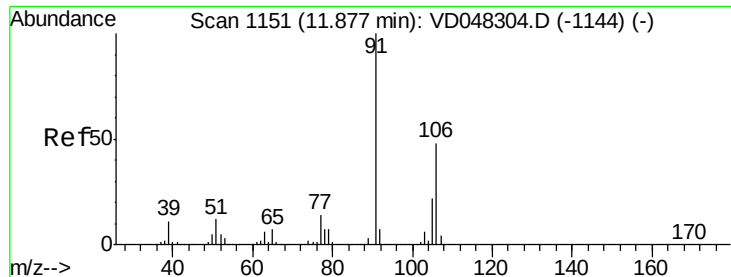
106 29.4 23.8 35.6



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.05 (105.75 to 106.75): V

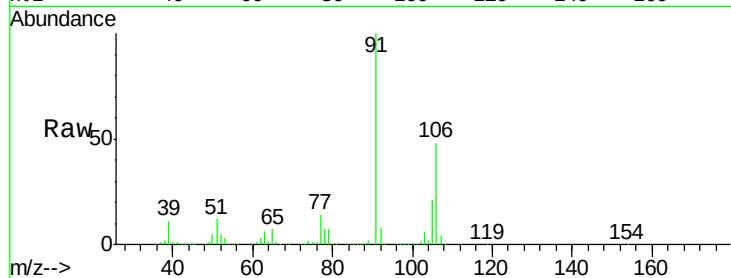




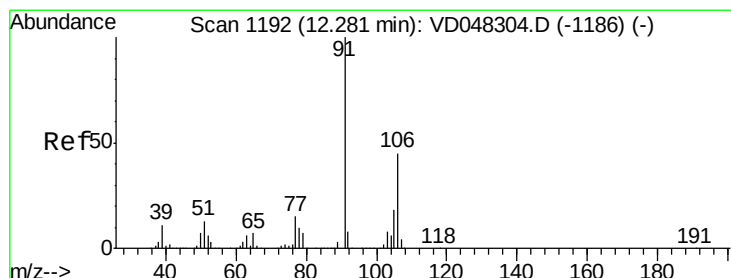
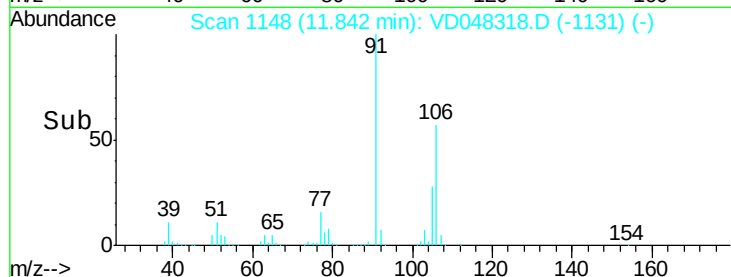
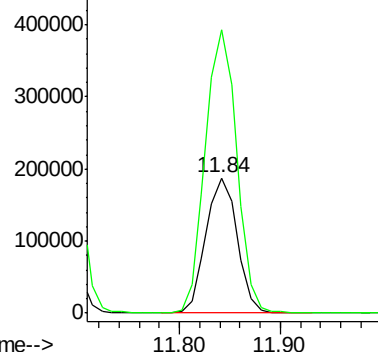
#67
m/p-Xylenes
Concen: 100.95 ug/l
RT: 11.84 min Scan# 1148
Delta R.T. -0.03 min
Lab File: VD048318.D
Acq: 6 Jan 2016 12:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion:106 Resp: 407998
Ion Ratio Lower Upper
106 100
91 209.1 162.0 243.0

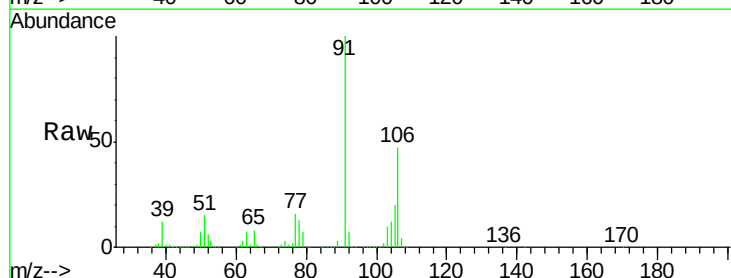


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

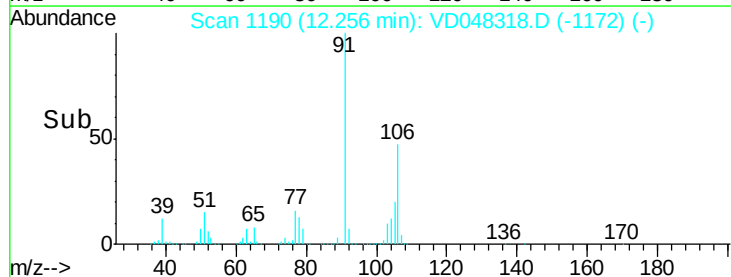
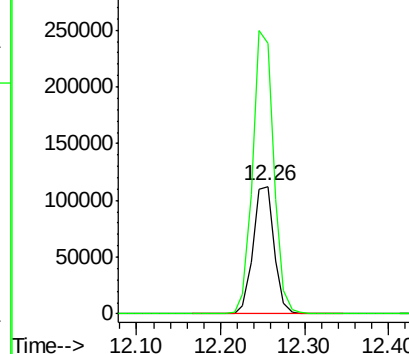


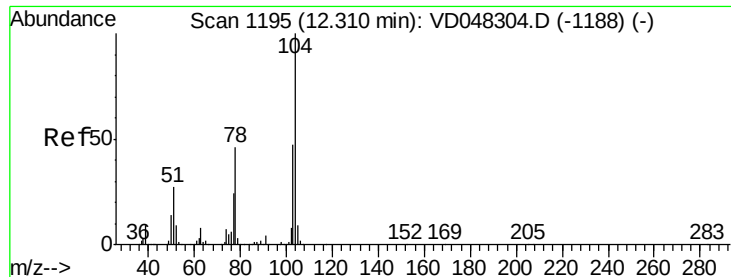
#68
o-Xylene
Concen: 51.18 ug/l
RT: 12.26 min Scan# 1190
Delta R.T. -0.03 min
Lab File: VD048318.D
Acq: 6 Jan 2016 12:58

Tgt Ion:106 Resp: 199007
Ion Ratio Lower Upper
106 100
91 212.0 111.8 335.3



Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

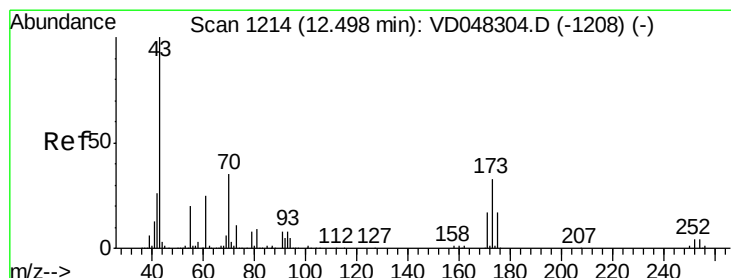
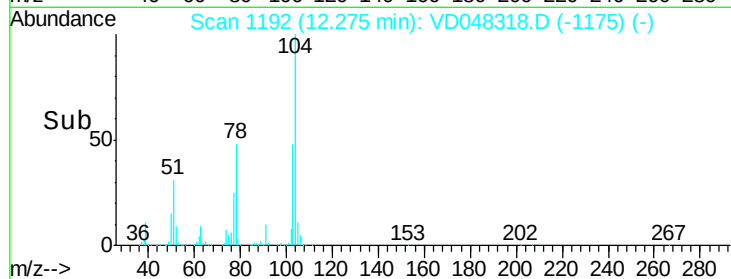
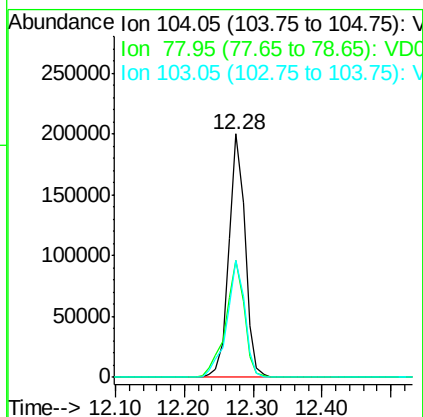
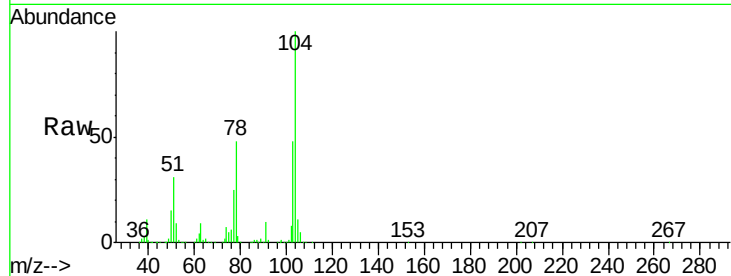




#69
 Stvrene
 Concen: 52.52 ug/l
 RT: 12.28 min Scan# 1192
 Delta R.T. -0.03 min
 Lab File: VD048318.D
 Acq: 6 Jan 2016 12:58

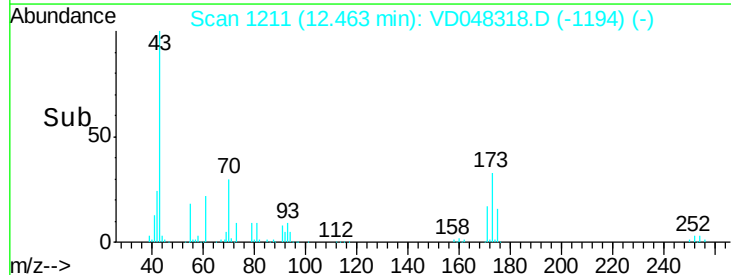
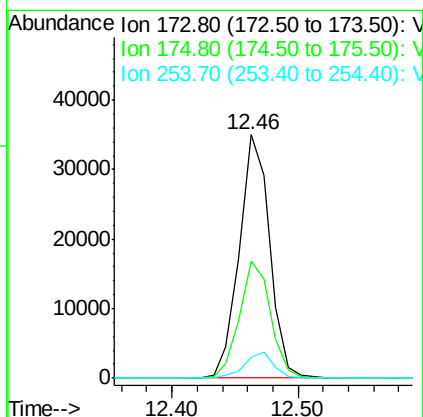
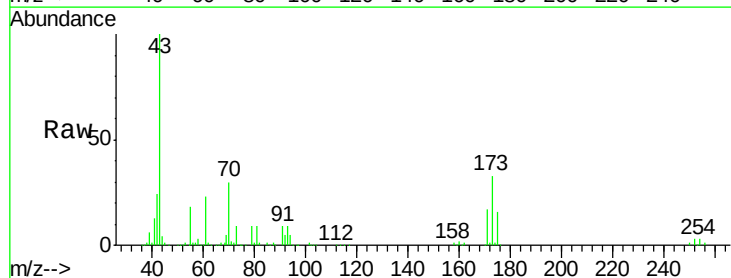
Instrument :
 BNA_F
 ClientSampleId :

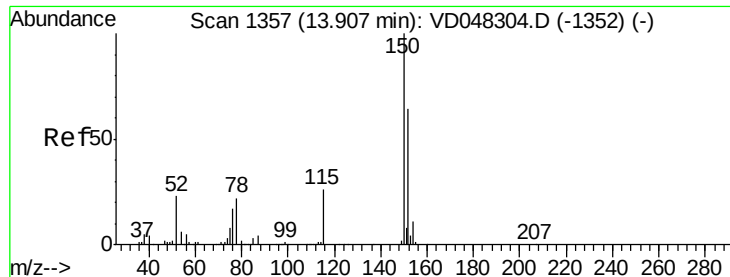
Tot Ion:104 Resp: 326657
 Ion Ratio Lower Upper
 104 100
 78 48.0 37.5 56.3
 103 47.8 37.3 55.9



#70
 Bromoform
 Concen: 51.63 ug/l
 RT: 12.46 min Scan# 1211
 Delta R.T. -0.03 min
 Lab File: VD048318.D
 Acq: 6 Jan 2016 12:58

Tgt Ion:173 Resp: 58211
 Ion Ratio Lower Upper
 173 100
 175 48.2 26.0 78.0
 254 8.5 7.7 11.5



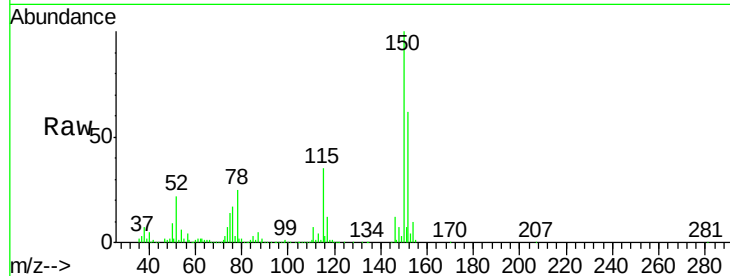


#71

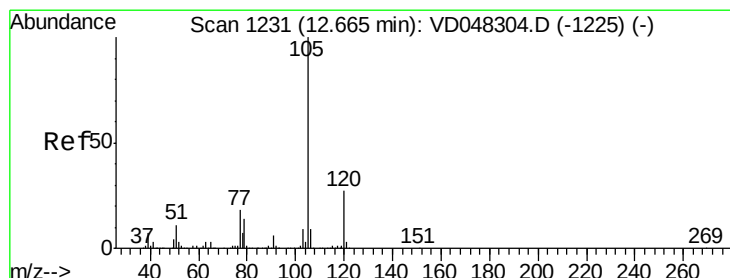
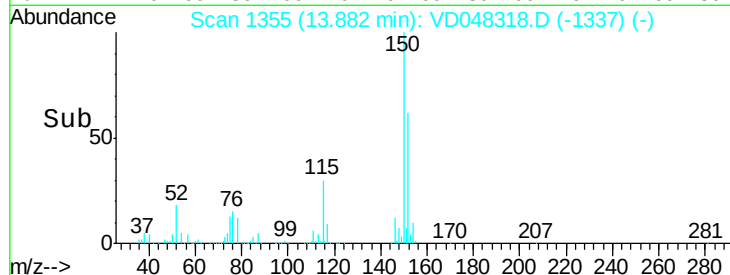
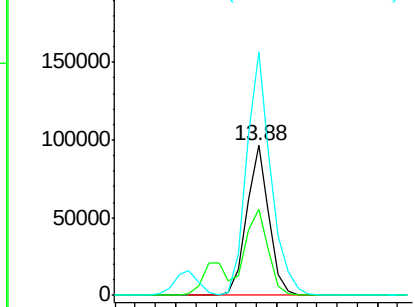
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.88 min Scan# 1355
Delta R.T. -0.03 min
Lab File: VD048318.D
Acq: 6 Jan 2016 12:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	57.5	32.4	97.2
150	162.3	0.0	314.6



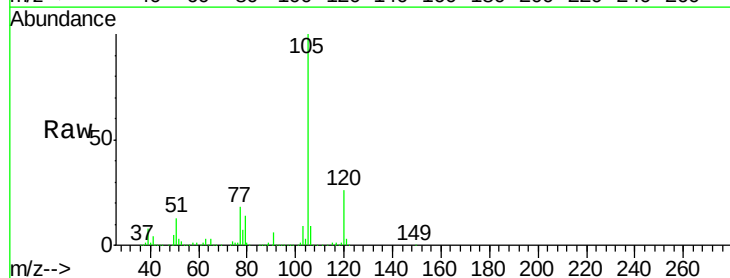
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



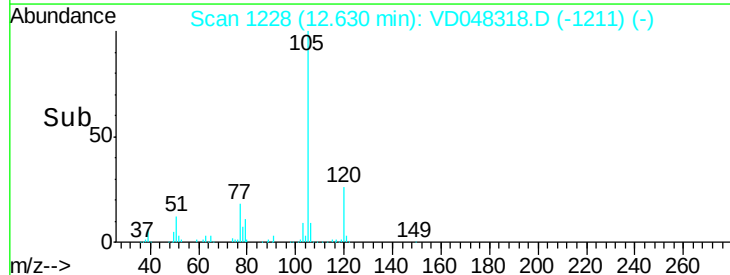
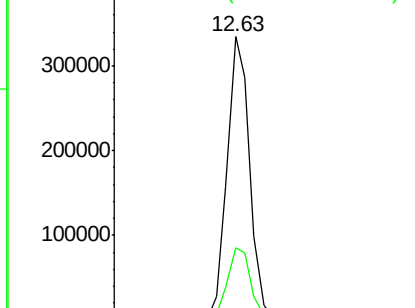
#72

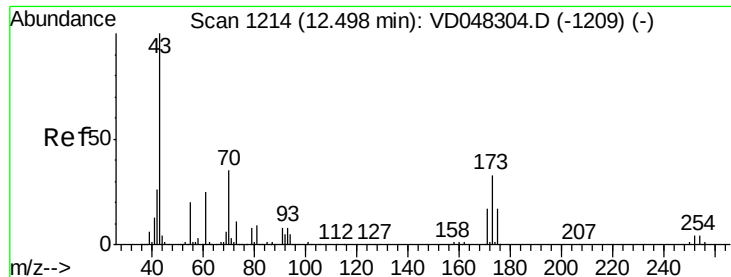
Isopropylbenzene
Concen: 48.52 ug/l
RT: 12.63 min Scan# 1228
Delta R.T. -0.03 min
Lab File: VD048318.D
Acq: 6 Jan 2016 12:58

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.7	13.1	39.3



Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.05 (119.75 to 120.75): V

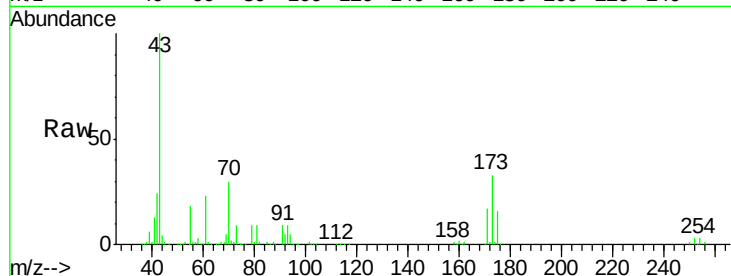




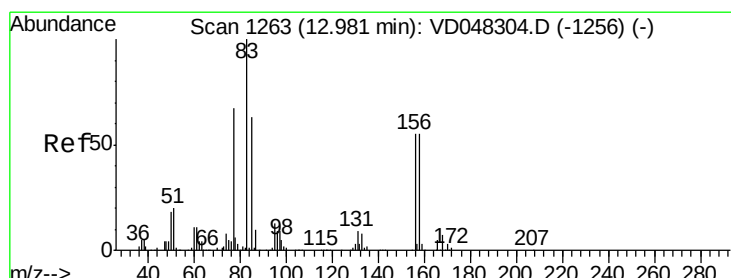
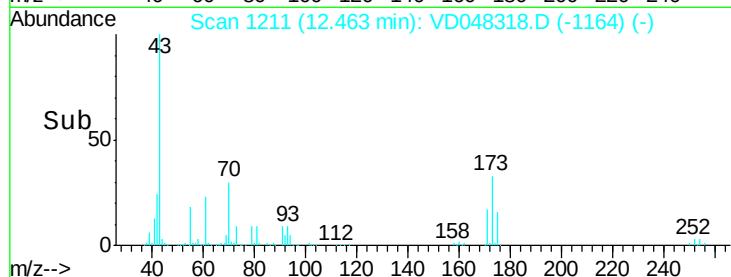
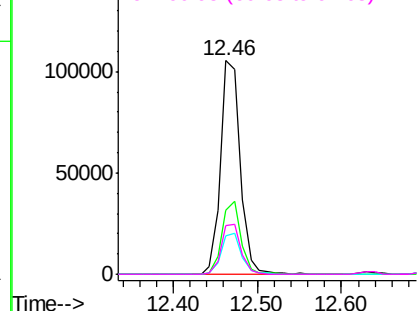
#73
N-amvl acetate
Concen: 53.60 ug/l
RT: 12.46 min Scan# 1211
Delta R.T. -0.03 min
Lab File: VD048318.D
Acq: 6 Jan 2016 12:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 43 Resp: 171343
Ion Ratio Lower Upper
43 100
70 30.0 27.2 40.8
55 18.0 15.4 23.0
61 22.6 19.9 29.9

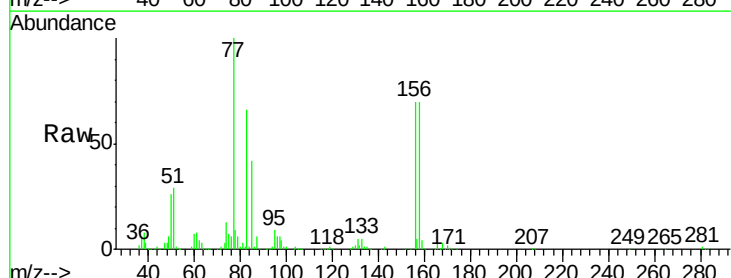


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 70.00 (69.70 to 70.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 60.95 (60.65 to 61.65): VDC

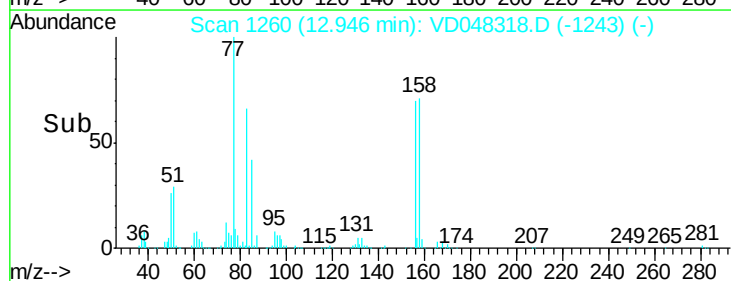
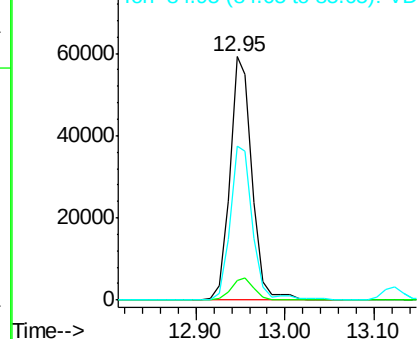


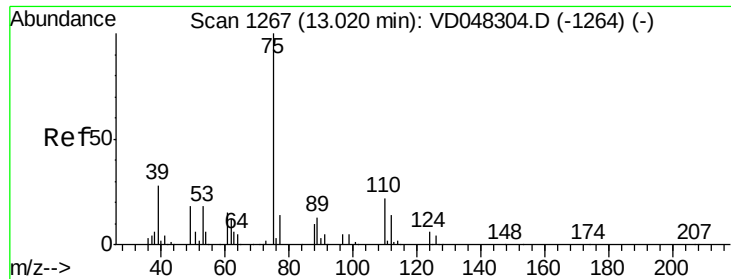
#74
1,1,2,2-Tetrachloroethane
Concen: 49.18 ug/l
RT: 12.95 min Scan# 1260
Delta R.T. -0.03 min
Lab File: VD048318.D
Acq: 6 Jan 2016 12:58

Tgt Ion: 83 Resp: 103512
Ion Ratio Lower Upper
83 100
131 8.2 4.3 13.1
85 63.2 31.1 93.2



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





#75

1,2,3-Trichloropropane

Concen: 51.70 ug/l

RT: 12.99 min Scan# 1265

Delta R.T. -0.03 min

Lab File: VD048318.D

Acq: 6 Jan 2016 12:58

Instrument :

BNA_F

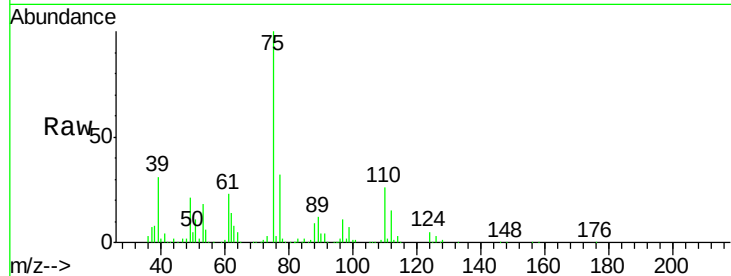
ClientSampled :

Tot Ion: 75 Resp: 121803

Ion Ratio Lower Upper

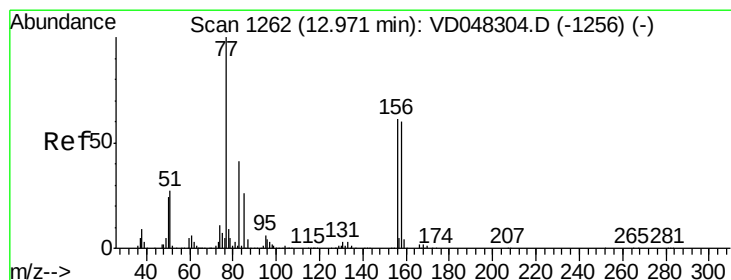
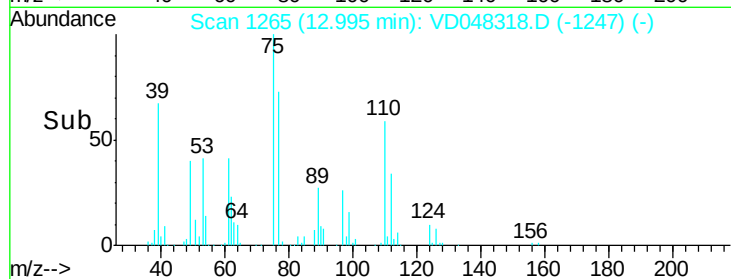
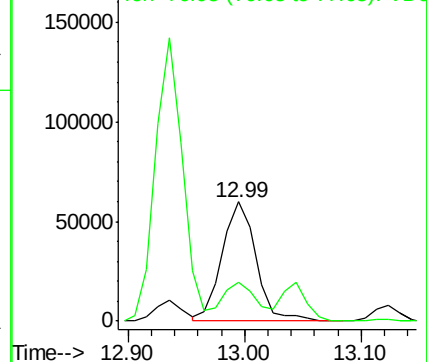
75 100

77 32.4 15.8 47.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#76

Bromobenzene

Concen: 48.51 ug/l

RT: 12.94 min Scan# 1259

Delta R.T. -0.04 min

Lab File: VD048318.D

Acq: 6 Jan 2016 12:58

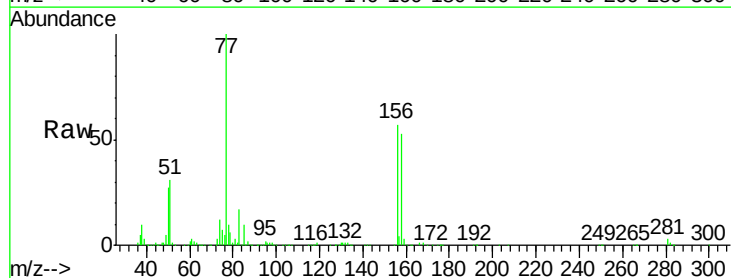
Tgt Ion: 156 Resp: 128457

Ion Ratio Lower Upper

156 100

77 176.9 87.5 262.4

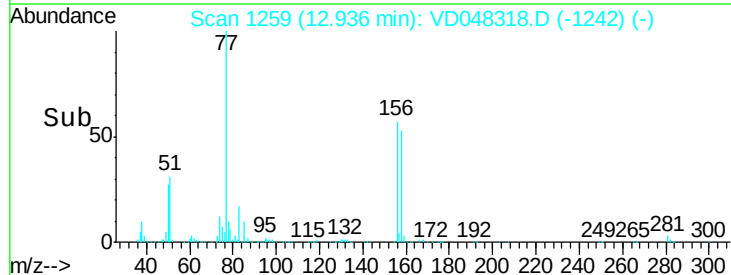
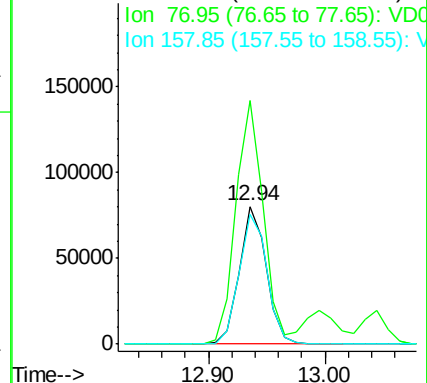
158 94.1 49.5 148.5

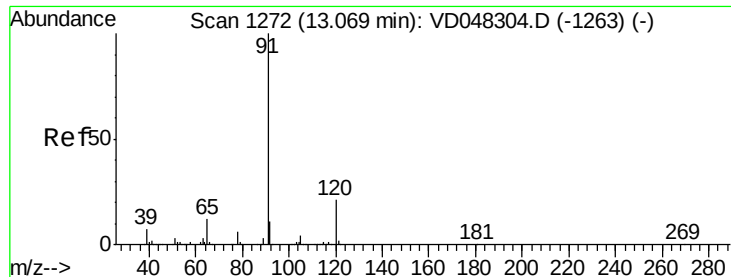


Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V





#77

n-propylbenzene

Concen: 48.31 ug/l

RT: 13.04 min Scan# 1270

Delta R.T. -0.03 min

Lab File: VD048318.D

Acq: 6 Jan 2016 12:58

Instrument :

BNA_F

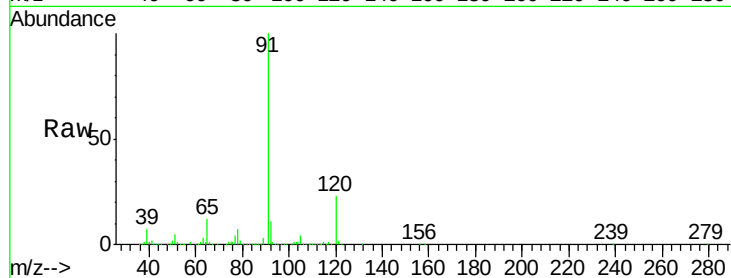
ClientSampleId :

Tot Ion: 91 Resp: 705950

Ion Ratio Lower Upper

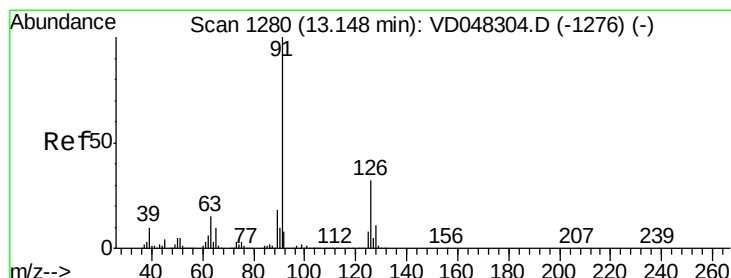
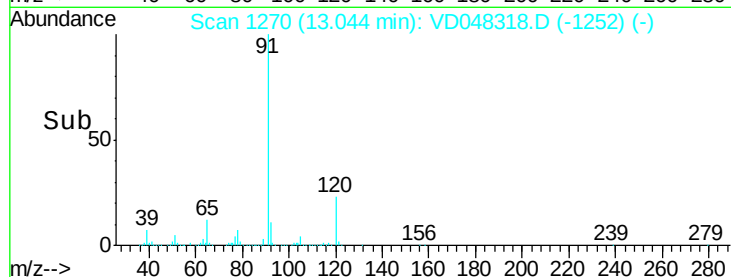
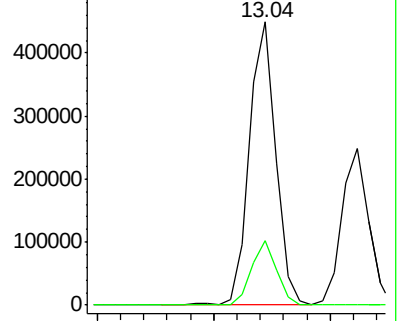
91 100

120 22.7 10.4 31.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V



#78

2-Chlorotoluene

Concen: 48.62 ug/l

RT: 13.12 min Scan# 1278

Delta R.T. -0.03 min

Lab File: VD048318.D

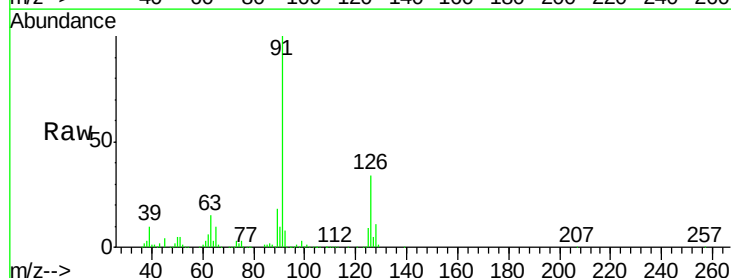
Acq: 6 Jan 2016 12:58

Tgt Ion: 91 Resp: 397284

Ion Ratio Lower Upper

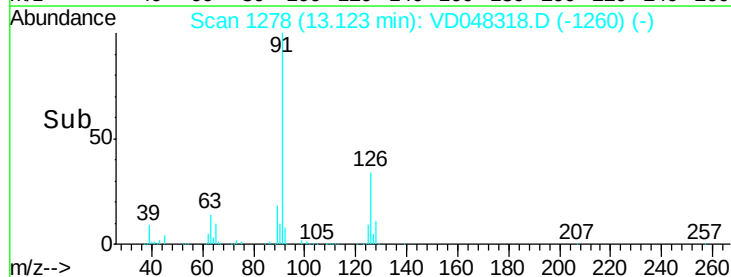
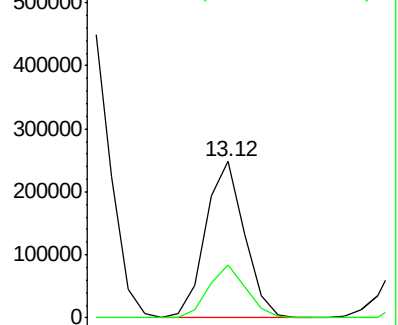
91 100

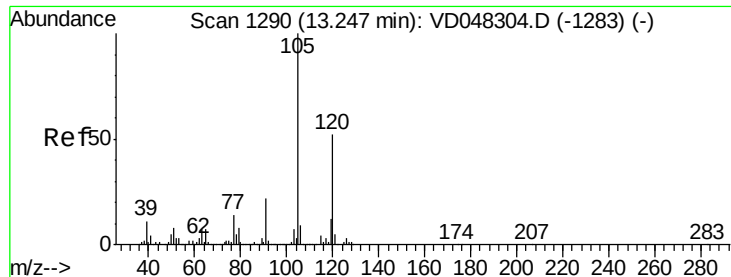
126 34.0 15.3 45.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V





#79

1,3,5-Trimethylbenzene

Concen: 50.09 ug/l

RT: 13.21 min Scan# 1287

Delta R.T. -0.03 min

Lab File: VD048318.D

Acq: 6 Jan 2016 12:58

Instrument :

BNA_F

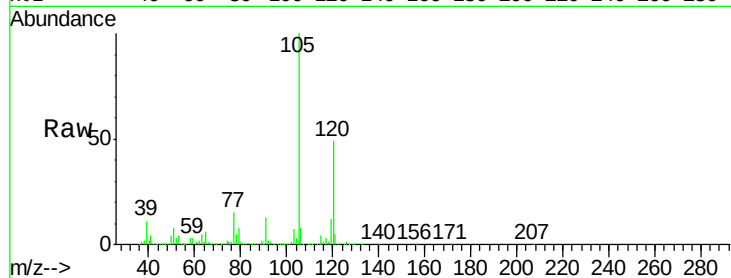
ClientSampled :

Tot Ion:105 Resp: 442070

Ion Ratio Lower Upper

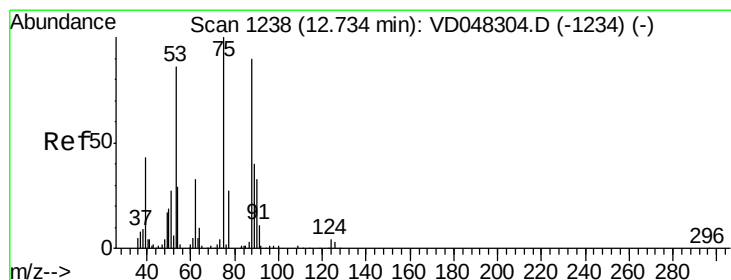
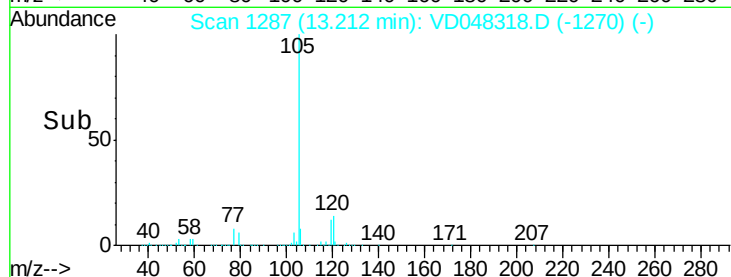
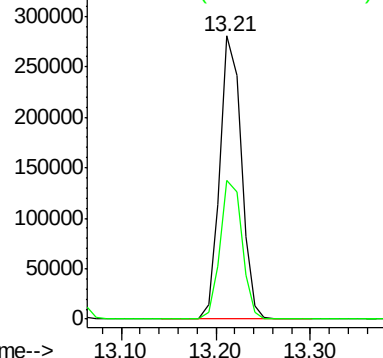
105 100

120 49.2 25.1 75.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#80

trans-1,4-Dichloro-2-butene

Concen: 46.41 ug/l

RT: 12.70 min Scan# 1235

Delta R.T. -0.03 min

Lab File: VD048318.D

Acq: 6 Jan 2016 12:58

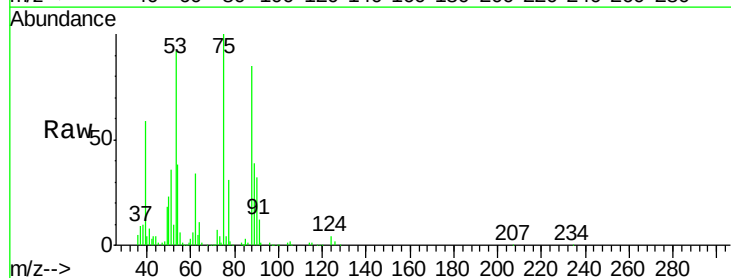
Tgt Ion: 75 Resp: 32318

Ion Ratio Lower Upper

75 100

53 91.9 77.8 116.8

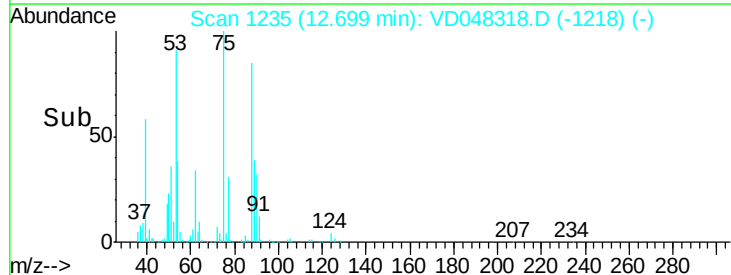
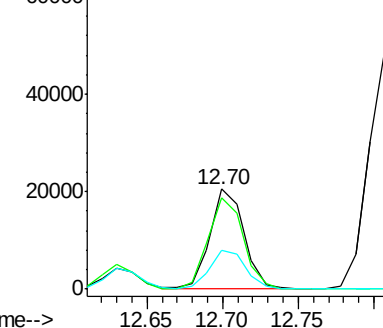
89 39.0 32.6 49.0

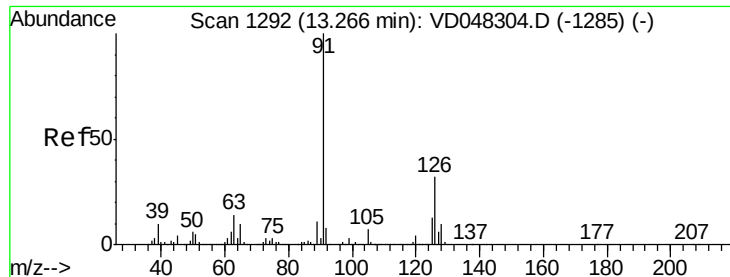


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC

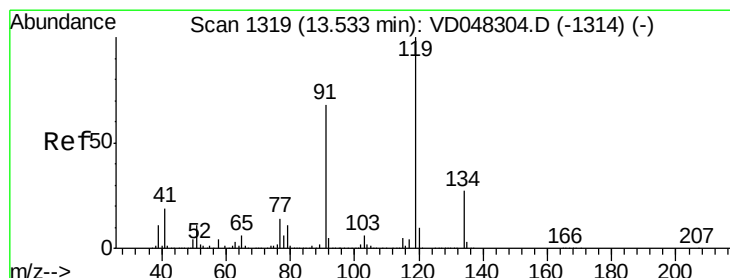
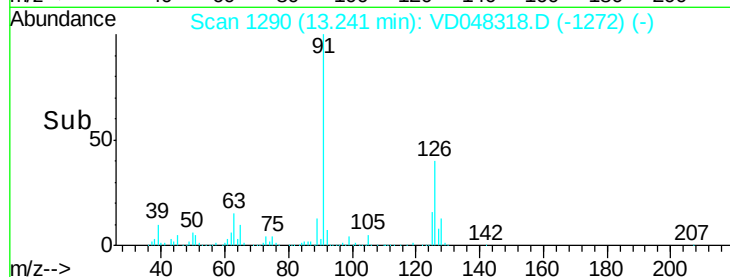
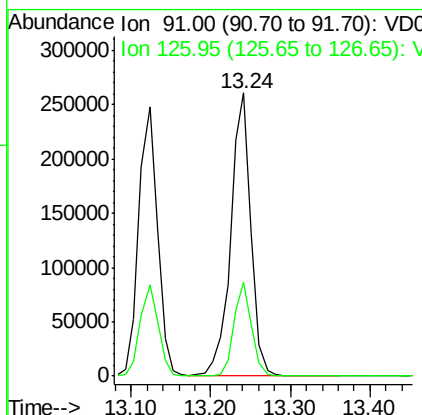
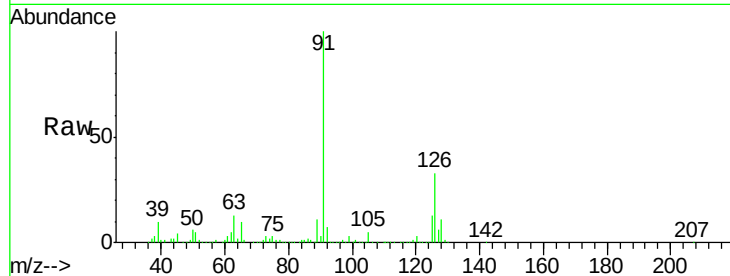




#81
4-Chlorotoluene
Concen: 48.86 ug/l
RT: 13.24 min Scan# 1290
Delta R.T. -0.03 min
Lab File: VD048318.D
Acq: 6 Jan 2016 12:58

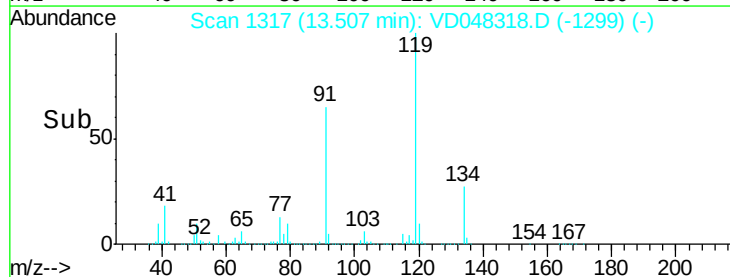
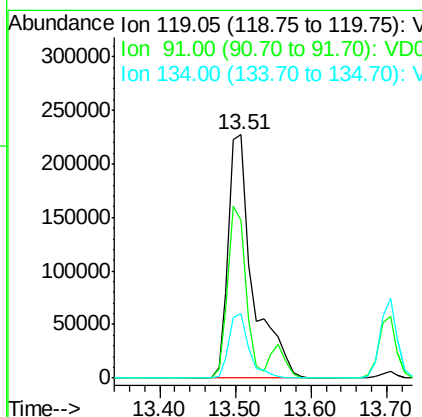
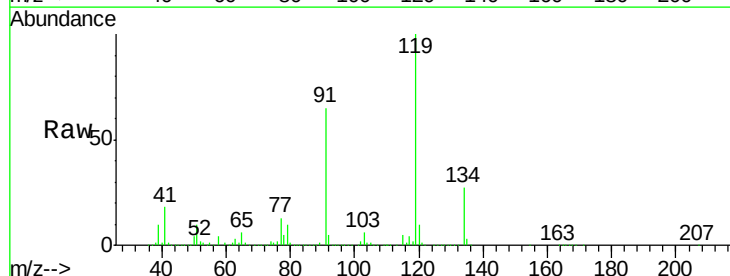
Instrument :
BNA_F
ClientSampleId :

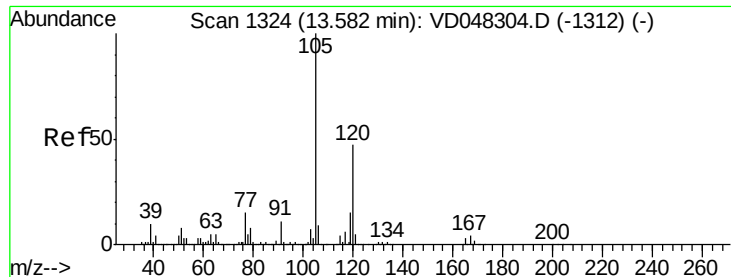
Tot Ion: 91 Resp: 461207
Ion Ratio Lower Upper
91 100
126 33.0 15.4 46.1



#82
tert-Butylbenzene
Concen: 60.12 ug/l
RT: 13.51 min Scan# 1317
Delta R.T. -0.03 min
Lab File: VD048318.D
Acq: 6 Jan 2016 12:58

Tgt Ion: 119 Resp: 514043
Ion Ratio Lower Upper
119 100
91 64.8 33.2 99.6
134 26.6 12.5 37.5

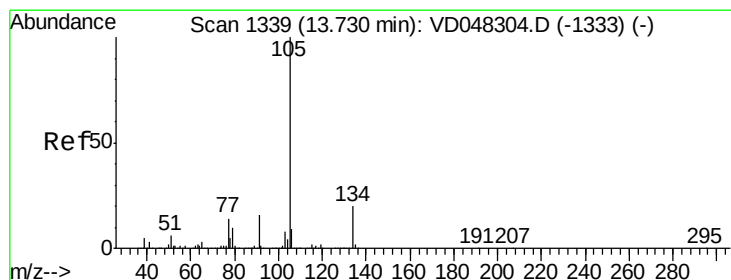
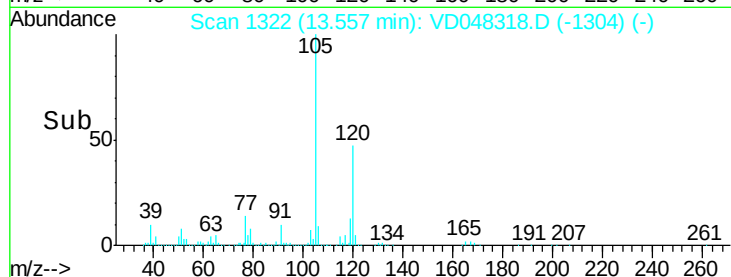
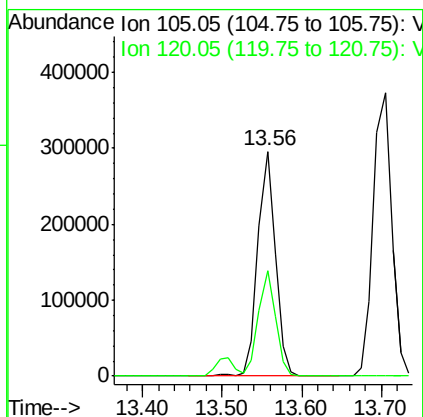
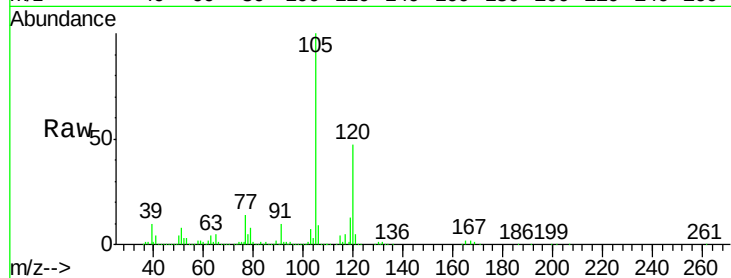




#83
 1,2,4-Trimethylbenzene
 Concen: 49.37 ug/l
 RT: 13.56 min Scan# 1322
 Delta R.T. -0.03 min
 Lab File: VD048318.D
 Acq: 6 Jan 2016 12:58

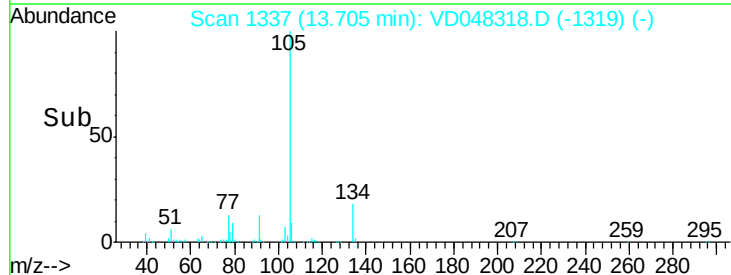
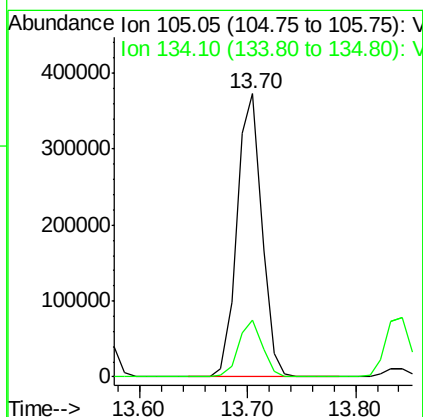
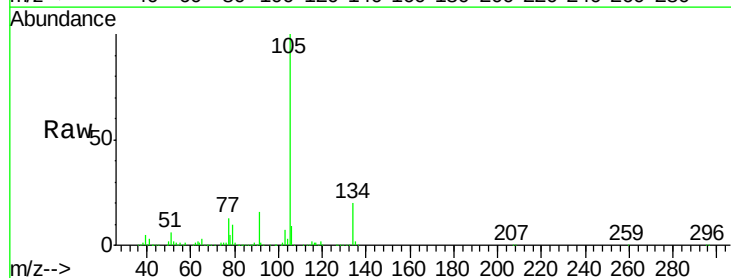
Instrument :
 BNA_F
 ClientSampleId :

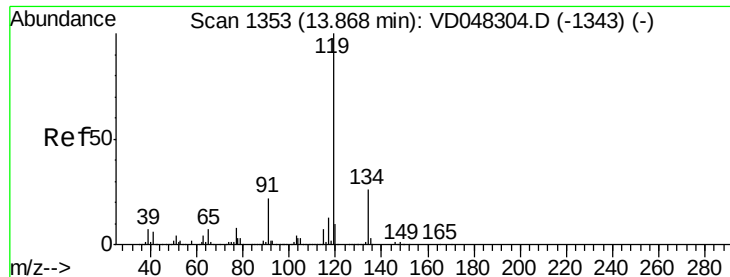
Tot Ion:105 Resp: 448517
 Ion Ratio Lower Upper
 105 100
 120 47.2 22.6 67.7



#84
 sec-Butylbenzene
 Concen: 49.04 ug/l
 RT: 13.70 min Scan# 1337
 Delta R.T. -0.03 min
 Lab File: VD048318.D
 Acq: 6 Jan 2016 12:58

Tgt Ion:105 Resp: 594759
 Ion Ratio Lower Upper
 105 100
 134 20.1 9.4 28.2

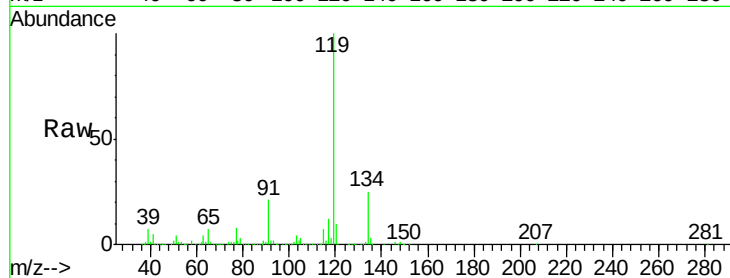




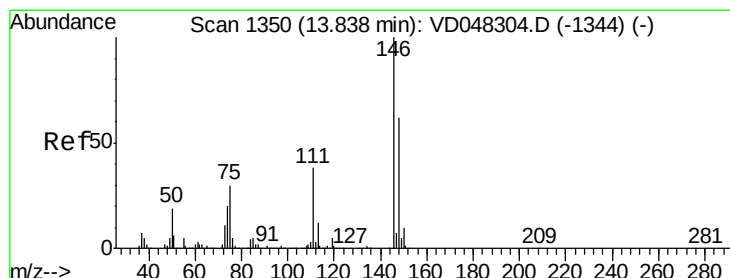
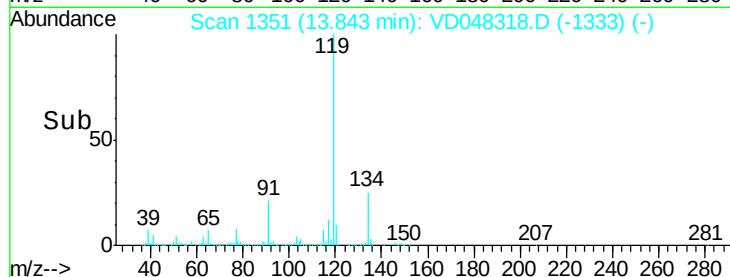
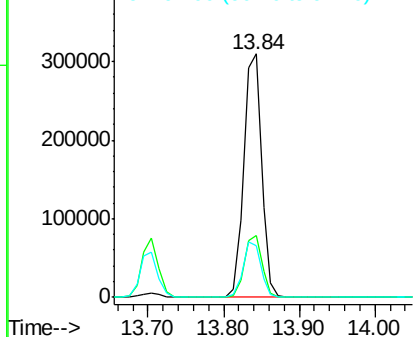
#85
 p-Isopropyltoluene
 Concen: 49.91 ug/l
 RT: 13.84 min Scan# 1351
 Delta R.T. -0.03 min
 Lab File: VD048318.D
 Acq: 6 Jan 2016 12:58

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.5	12.5	37.5
91	21.3	11.2	33.5

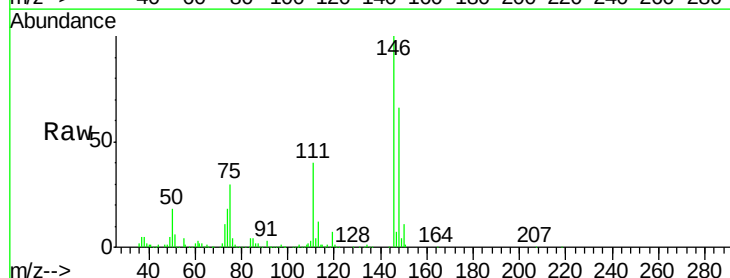


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 134.10 (133.80 to 134.80): V
 Ion 91.00 (90.70 to 91.70): V

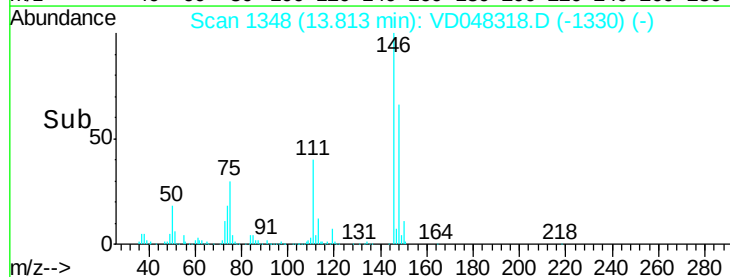
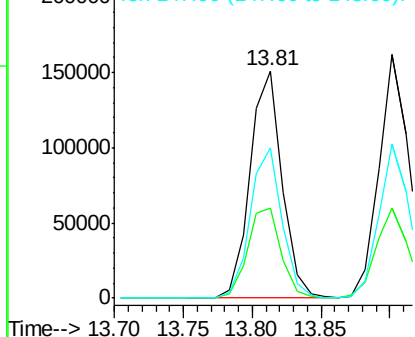


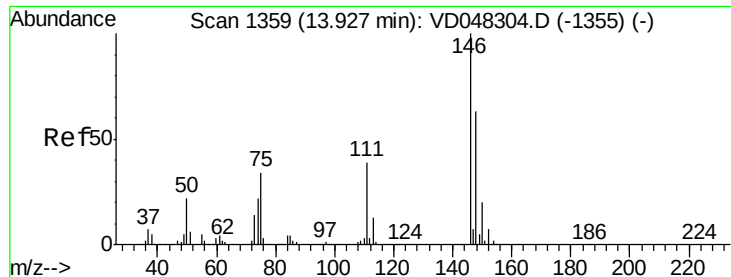
#86
 1,3-Dichlorobenzene
 Concen: 48.45 ug/l
 RT: 13.81 min Scan# 1348
 Delta R.T. -0.03 min
 Lab File: VD048318.D
 Acq: 6 Jan 2016 12:58

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.5	20.5	61.6
148	65.9	31.4	94.0



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

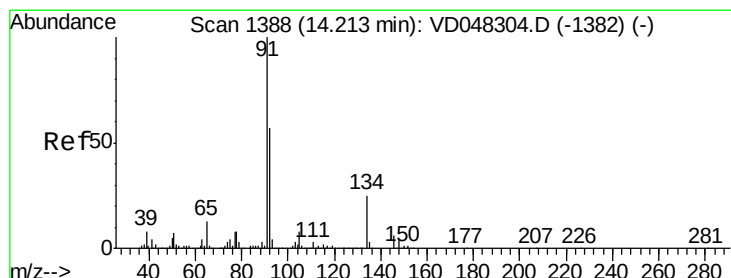
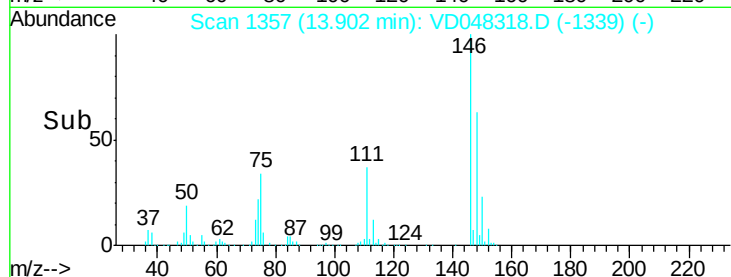
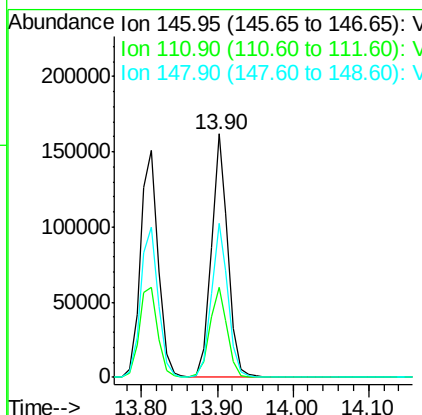
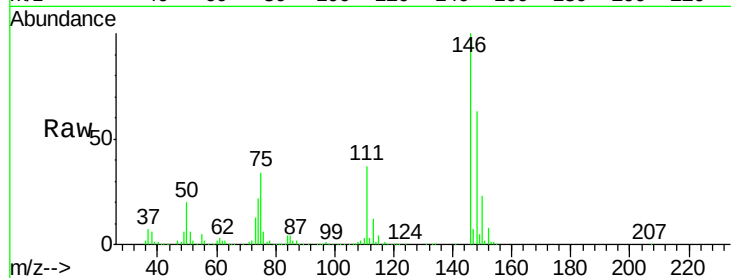




#87
 1,4-Dichlorobenzene
 Concen: 48.90 ug/l
 RT: 13.90 min Scan# 1357
 Delta R.T. -0.03 min
 Lab File: VD048318.D
 Acq: 6 Jan 2016 12:58

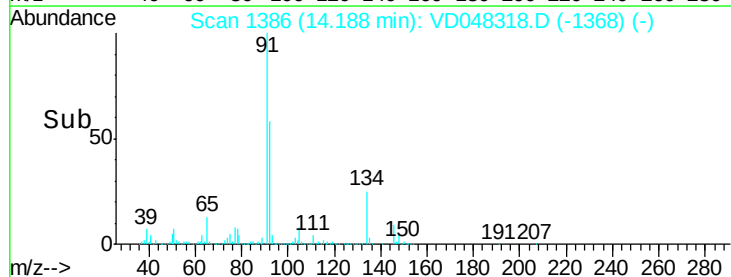
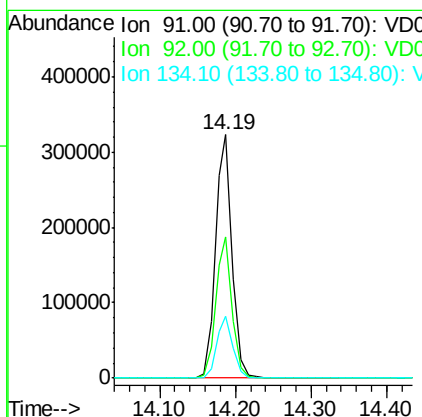
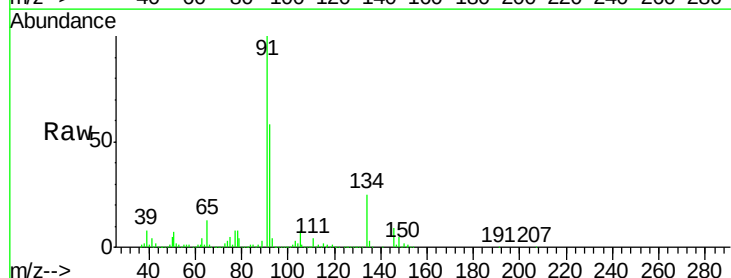
Instrument :
 BNA_F
 ClientSampled :

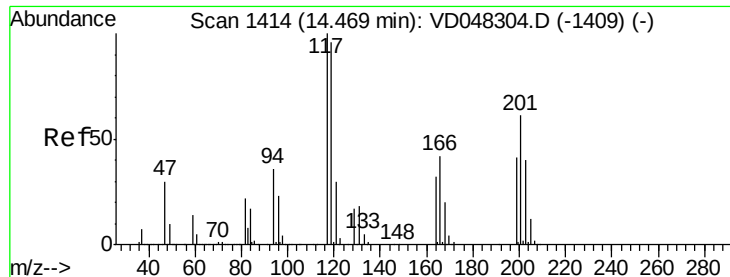
Tot Ion:146 Resp: 247645
 Ion Ratio Lower Upper
 146 100
 111 37.2 18.4 55.2
 148 63.3 32.1 96.5



#88
 n-Butylbenzene
 Concen: 49.25 ug/l
 RT: 14.19 min Scan# 1386
 Delta R.T. -0.03 min
 Lab File: VD048318.D
 Acq: 6 Jan 2016 12:58

Tgt Ion: 91 Resp: 496931
 Ion Ratio Lower Upper
 91 100
 92 57.9 28.8 86.5
 134 25.4 11.7 35.0





#89

Hexachloroethane

Concen: 48.17 ug/l

RT: 14.44 min Scan# 1412

Delta R.T. -0.03 min

Lab File: VD048318.D

Acq: 6 Jan 2016 12:58

Instrument :

BNA_F

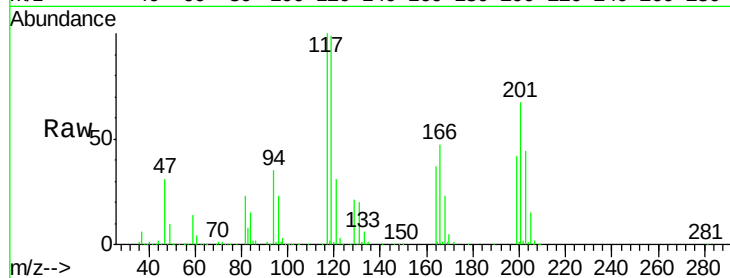
ClientSampleId :

Tot Ion:117 Resp: 99056

Ion Ratio Lower Upper

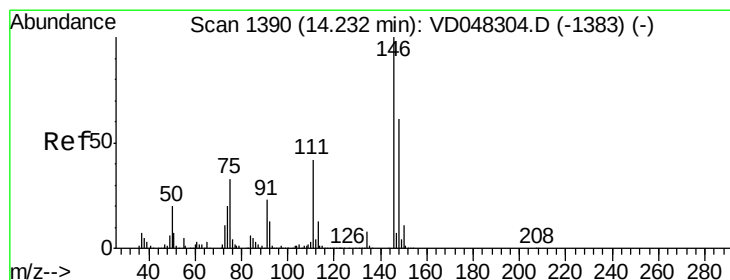
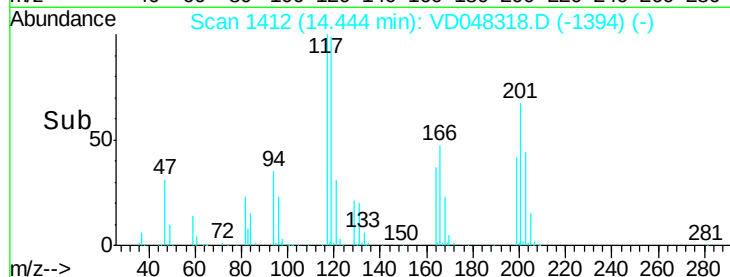
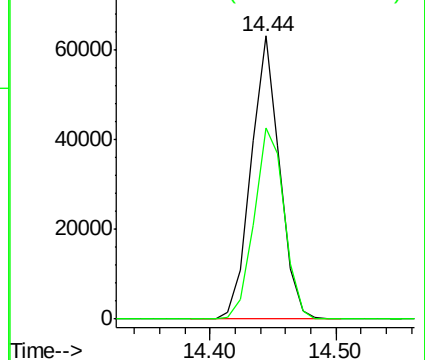
117 100

201 67.4 28.5 85.5



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V



#90

1,2-Dichlorobenzene

Concen: 48.31 ug/l

RT: 14.21 min Scan# 1388

Delta R.T. -0.03 min

Lab File: VD048318.D

Acq: 6 Jan 2016 12:58

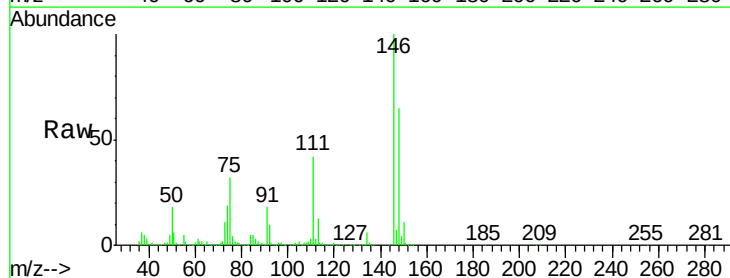
Tgt Ion:146 Resp: 215515

Ion Ratio Lower Upper

146 100

111 41.6 22.0 66.0

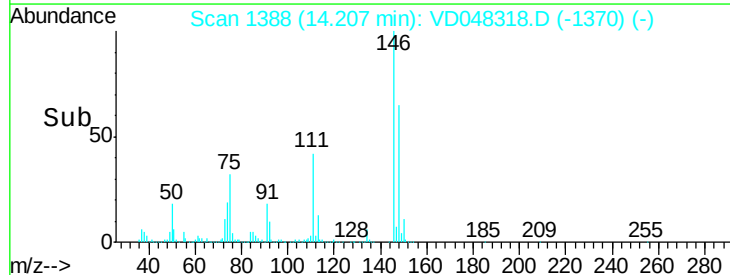
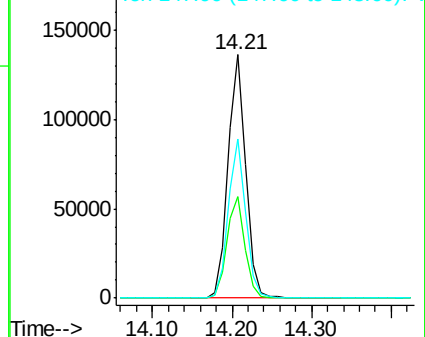
148 65.3 32.0 96.2

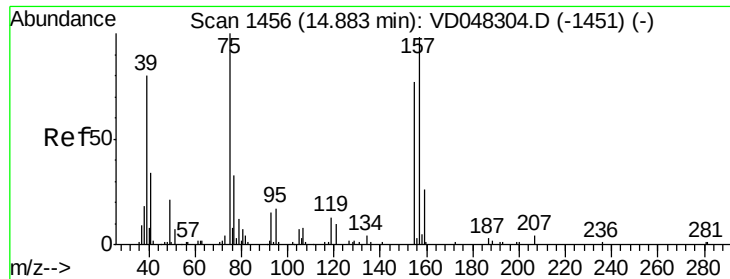


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#91

1,2-Dibromo-3-Chloropropane

Concen: 48.47 ug/l

RT: 14.86 min Scan# 1454

Delta R.T. -0.03 min

Lab File: VD048318.D

Acq: 6 Jan 2016 12:58

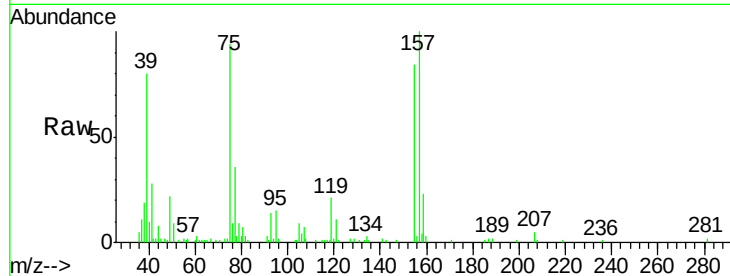
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 75 Resp: 13279

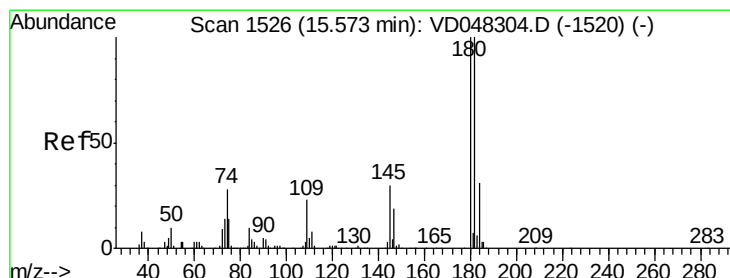
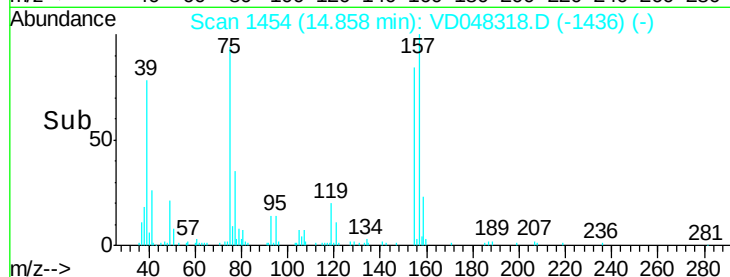
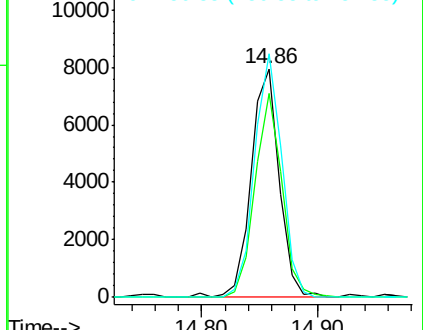
Ion	Ratio	Lower	Upper
75	100		
155	89.4	38.2	114.6
157	106.5	50.5	151.6



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V



#92

1,2,4-Trichlorobenzene

Concen: 51.64 ug/l

RT: 15.54 min Scan# 1523

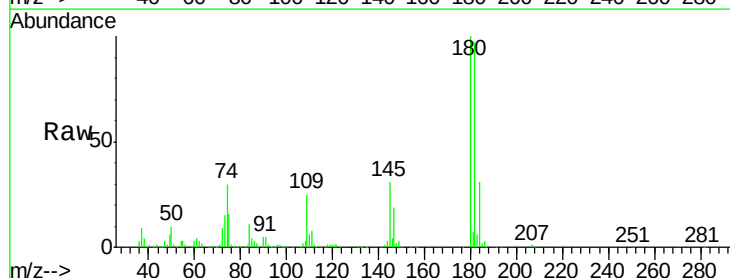
Delta R.T. -0.03 min

Lab File: VD048318.D

Acq: 6 Jan 2016 12:58

Tgt Ion: 180 Resp: 138303

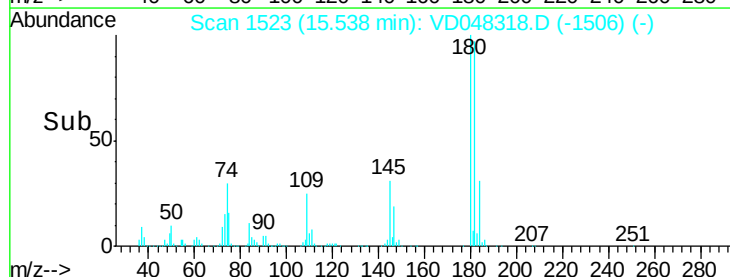
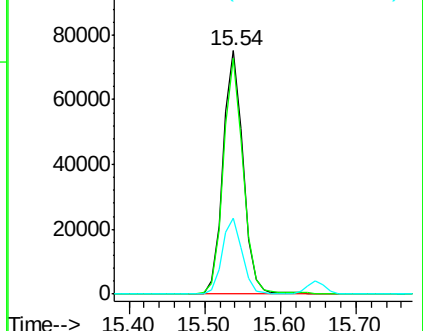
Ion	Ratio	Lower	Upper
180	100		
182	97.1	46.6	139.8
145	31.4	14.9	44.7

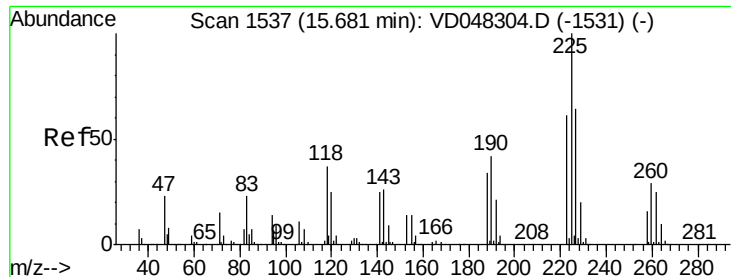


Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V





#93

Hexachlorobutadiene

Concen: 49.93 ug/l

RT: 15.65 min Scan# 1534

Delta R.T. -0.03 min

Lab File: VD048318.D

Acq: 6 Jan 2016 12:58

Instrument :

BNA_F

ClientSampleId :

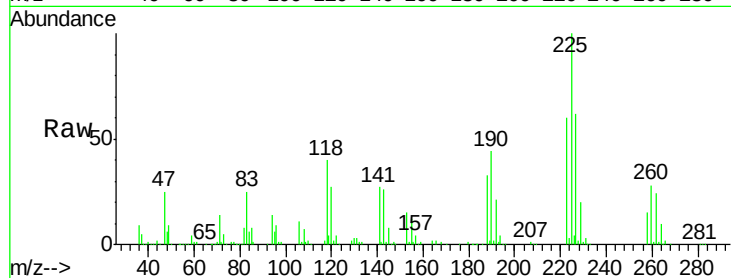
Tot Ion:225 Resp: 88586

Ion Ratio Lower Upper

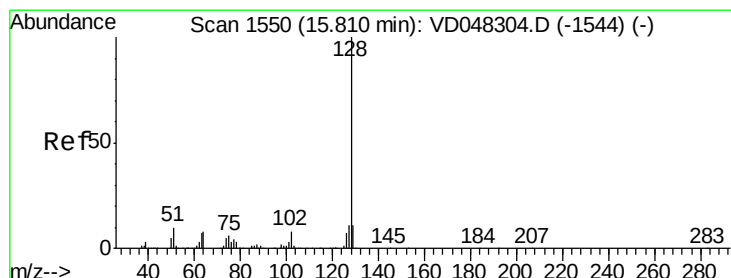
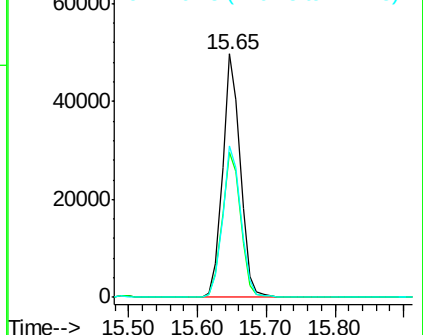
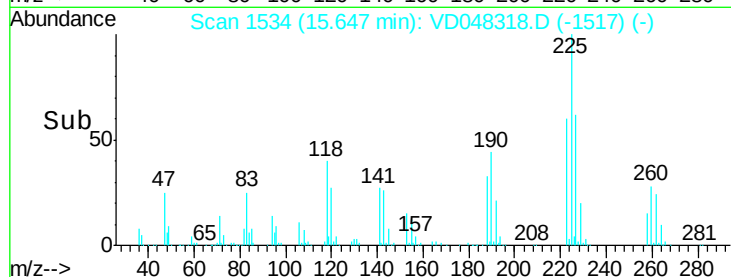
225 100

223 59.6 31.8 95.3

227 62.2 30.4 91.2



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



#94

Naphthalene

Concen: 47.95 ug/l

RT: 15.78 min Scan# 1548

Delta R.T. -0.02 min

Lab File: VD048318.D

Acq: 6 Jan 2016 12:58

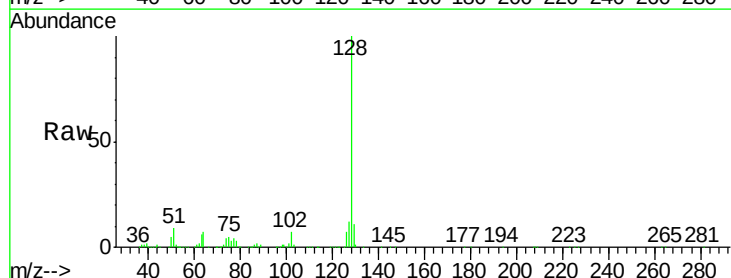
Tgt Ion:128 Resp: 243895

Ion Ratio Lower Upper

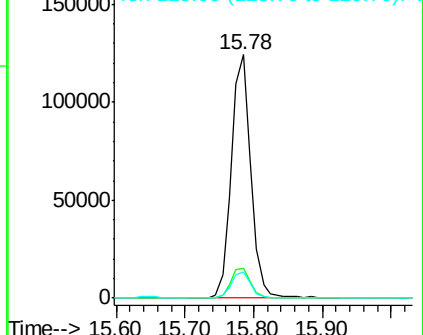
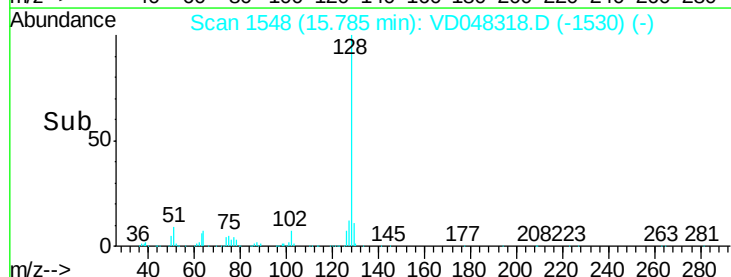
128 100

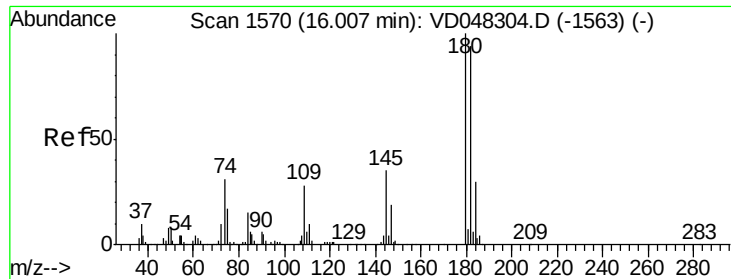
127 12.3 9.7 14.5

129 10.8 8.2 12.2



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

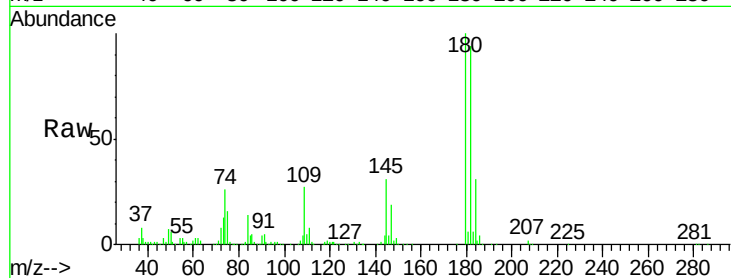




#95
 1,2,3-Trichlorobenzene
 Concen: 52.27 ug/l
 RT: 15.98 min Scan# 1568
 Delta R.T. -0.03 min
 Lab File: VD048318.D
 Acq: 6 Jan 2016 12:58

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.9	49.0	147.0
145	30.6	16.8	50.3



Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

