

Data Path : W:\HPCHEM1\MSVOA D\DATA\VD010616\
 Data File : VD048326.D
 Acq On : 6 Jan 2016 17:05
 Operator : FY/SY
 Sample : VD0106SBS06
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 07 04:29:57 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	6.26	168	172353	50.00	ug/l	-0.03
33) 1,4-Difluorobenzene	7.38	114	308669	50.00	ug/l	-0.03
62) Chlorobenzene-d5	11.54	117	307134	50.00	ug/l	-0.02
71) 1,4-Dichlorobenzene-d4	13.88	152	137055	50.00	ug/l	-0.02

System Monitoring Compounds

32) 1,2-Dichloroethane-d4	6.66	65	98729	46.74	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	93.48%	
34) Dibromofluoromethane	6.16	113	93262	44.74	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	89.48%	
49) Toluene-d8	9.57	98	299293	43.44	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	86.88%	
61) 4-Bromofluorobenzene	12.81	95	128379	42.91	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	85.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.41	85	44024	19.75	ug/l	98
3) Chloromethane	1.57	50	24159	17.68	ug/l	95
4) Vinyl Chloride	1.66	62	23235	18.44	ug/l	95
5) Bromomethane	1.94	94	14759	17.85	ug/l	94
6) Chloroethane	2.06	64	12984	17.94	ug/l	99
7) Trichlorofluoromethane	2.29	101	53636	19.13	ug/l	97
8) Diethyl Ether	2.60	74	17141	20.97	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	2.85	101	36081	19.37	ug/l	97
10) Methyl Iodide	3.01	142	28285	20.93	ug/l	99
11) Tert butyl alcohol	3.64	59	11478	109.34	ug/l #	89
12) 1,1-Dichloroethene	2.83	96	29925	18.72	ug/l	95
13) Acrolein	2.75	56	20407	124.10	ug/l	87
14) Allyl chloride	3.29	41	57713	17.70	ug/l	89
15) Acrylonitrile	3.79	53	39758	117.95	ug/l	97
16) Acetone	2.90	43	43294	94.94	ug/l	91
17) Carbon Disulfide	3.09	76	99252	17.64	ug/l	99
18) Methyl Acetate	3.29	43	25011	22.20	ug/l	100
19) Methyl tert-butyl Ether	3.85	73	77215	22.40	ug/l	95
20) Methylene Chloride	3.47	84	40904	19.29	ug/l	99
21) trans-1,2-Dichloroethene	3.84	96	34142	19.31	ug/l	97
22) Diisopropyl ether	4.60	45	123803	20.11	ug/l	96
23) Vinyl Acetate	4.55	43	352327	115.96	ug/l	99
24) 1,1-Dichloroethane	4.51	63	68770	19.19	ug/l	99
25) 2-Butanone	5.40	43	61792	126.00	ug/l	93
26) 2,2-Dichloropropane	5.37	77	61963	18.57	ug/l	96
27) cis-1,2-Dichloroethene	5.38	96	40234	19.53	ug/l	95
28) Bromochloromethane	5.74	49	30674	20.56	ug/l	98
29) Chloroform	5.92	83	76950	19.56	ug/l	99
30) Cyclohexane	6.23	56	55390	18.53	ug/l	98
31) 1,1,1-Trichloroethane	6.13	97	59072	19.29	ug/l	94
35) 1,1-Dichloropropene	6.38	75	59516	19.38	ug/l	99
36) Ethyl Acetate	5.50	43	31894	23.51	ug/l	97
37) Carbon Tetrachloride	6.35	117	48082	17.58	ug/l	99
38) Methylcyclohexane	8.03	83	62224	18.83	ug/l	99

Data Path : W:\HPCHEM1\MSVOA D\DATA\VD010616\
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 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 07 04:29:57 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)
39) Benzene	6.67	78	157468	19.23	ug/l	97
40) Methacrylonitrile	5.71	41	18157	22.83	ug/l #	95
41) 1,2-Dichloroethane	6.78	62	55294	21.50	ug/l	99
42) Isopropyl Acetate	8.36	43	45769	23.74	ug/l	99
43) Trichloroethene	7.70	130	43723	18.95	ug/l	96
44) 1,2-Dichloropropane	8.10	63	44881	19.76	ug/l	97
45) Dibromomethane	8.22	93	25803	20.85	ug/l	94
46) Bromodichloromethane	8.51	83	56072	18.98	ug/l	98
47) Methyl methacrylate	8.03	41	31774	17.30	ug/l	92
48) 1,4-Dioxane	8.25	88	5513	495.08	ug/l	92
50) 4-Methyl-2-Pentanone	9.43	43	163324	127.43	ug/l	96
51) Toluene	9.67	92	99497	19.92	ug/l	96
52) t-1,3-Dichloropropene	10.07	75	56553	20.21	ug/l	97
53) cis-1,3-Dichloropropene	9.18	75	68566	19.53	ug/l	96
54) 1,1,2-Trichloroethane	10.36	97	33834	21.68	ug/l	94
55) Ethyl methacrylate	10.20	69	44181	23.42	ug/l	97
56) 1,3-Dichloropropane	10.56	76	67289	21.63	ug/l	96
57) 2-Chloroethyl Vinyl ether	8.99	63	112034	100.80	ug/l	98
58) 2-Hexanone	10.66	43	118469	132.23	ug/l	100
59) Dibromochloromethane	10.84	129	40695	19.68	ug/l	95
60) 1,2-Dibromoethane	10.98	107	36577	21.87	ug/l	97
63) Tetrachloroethene	10.42	164	35929	18.88	ug/l	98
64) Chlorobenzene	11.57	112	122571	20.02	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.69	131	41965	19.22	ug/l	97
66) Ethyl Benzene	11.70	91	213024	19.67	ug/l	99
67) m/p-Xylenes	11.84	106	149998	39.10	ug/l	91
68) o-Xylene	12.25	106	73759	19.98	ug/l	98
69) Styrene	12.28	104	119689	20.27	ug/l	97
70) Bromoform	12.47	173	21503	20.09	ug/l	91
72) Isopropylbenzene	12.63	105	206179	19.70	ug/l	100
73) N-amyl acetate	12.48	43	70050	23.74	ug/l	98
74) 1,1,2,2-Tetrachloroethane	12.95	83	43839	22.57	ug/l	99
75) 1,2,3-Trichloropropane	13.00	75	49687	22.85	ug/l	97
76) Bromobenzene	12.94	156	49195	20.13	ug/l	93
77) n-propylbenzene	13.05	91	265200	19.67	ug/l	100
78) 2-Chlorotoluene	13.13	91	147968	19.62	ug/l	97
79) 1,3,5-Trimethylbenzene	13.21	105	158507	19.46	ug/l	99
80) trans-1,4-Dichloro-2-buten	12.70	75	11652	20.18	ug/l	97
81) 4-Chlorotoluene	13.24	91	167295	19.20	ug/l	96
82) tert-Butylbenzene	13.50	119	184719	23.41	ug/l	93
83) 1,2,4-Trimethylbenzene	13.56	105	162174	19.34	ug/l	95
84) sec-Butylbenzene	13.71	105	217660	19.44	ug/l	97
85) p-Isopropyltoluene	13.84	119	177889	19.10	ug/l	96
86) 1,3-Dichlorobenzene	13.82	146	91929	19.64	ug/l	96
87) 1,4-Dichlorobenzene	13.90	146	91167	19.51	ug/l	99
88) n-Butylbenzene	14.19	91	175835	18.88	ug/l	97
89) Hexachloroethane	14.45	117	32507	17.13	ug/l	83
90) 1,2-Dichlorobenzene	14.21	146	81441	19.78	ug/l	95
91) 1,2-Dibromo-3-Chloropropan	14.85	75	5644	22.32	ug/l	83
92) 1,2,4-Trichlorobenzene	15.54	180	50765	20.54	ug/l	97

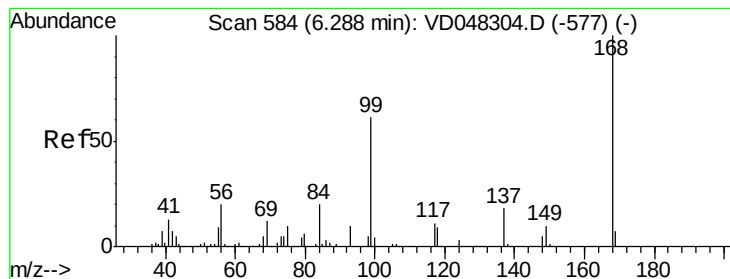
Data Path : W:\HPCHEM1\MSVOA D\DATA\VD010616\
Data File : VD048326.D
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Quant Title : SW846 8260
QLast Update : Mon Jan 04 14:08:32 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Hexachlorobutadiene	15.65	225	31116	19.00	µg/l	94
94) Naphthalene	15.79	128	100135	23.31	µg/l	99
95) 1,2,3-Trichlorobenzene	15.97	180	43871	21.65	µg/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.26 min Scan# 581

Delta R.T. -0.03 min

Lab File: VD048326.D

Acq: 6 Jan 2016 17:05

Instrument :

BNA_F

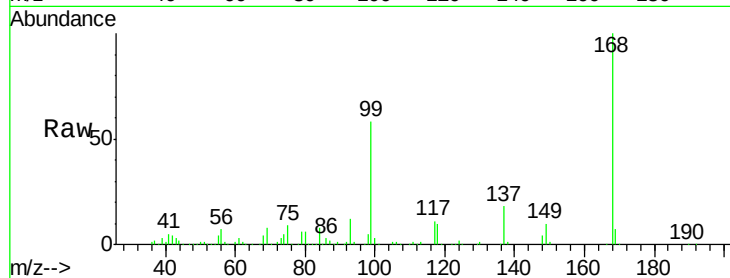
ClientSampleId :

Tot Ion:168 Resp: 172353

Ion Ratio Lower Upper

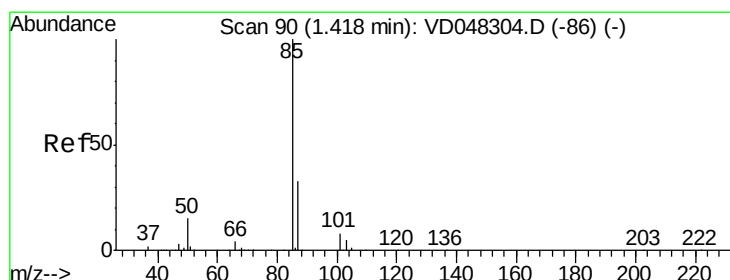
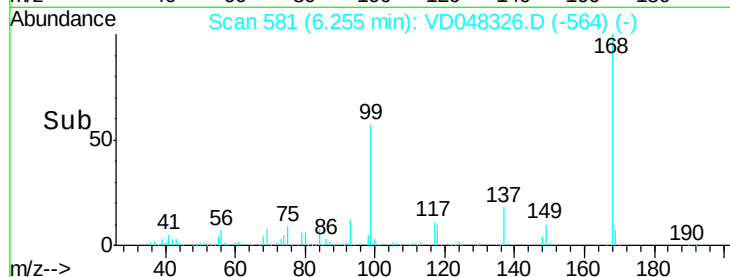
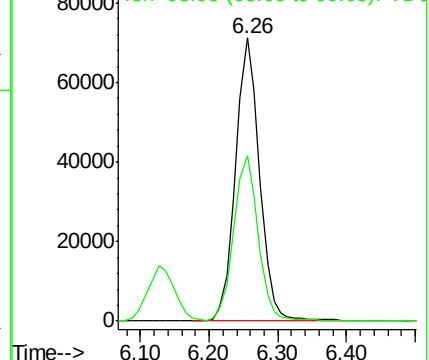
168 100

99 58.5 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: 19.75 ug/l

RT: 1.41 min Scan# 89

Delta R.T. -0.01 min

Lab File: VD048326.D

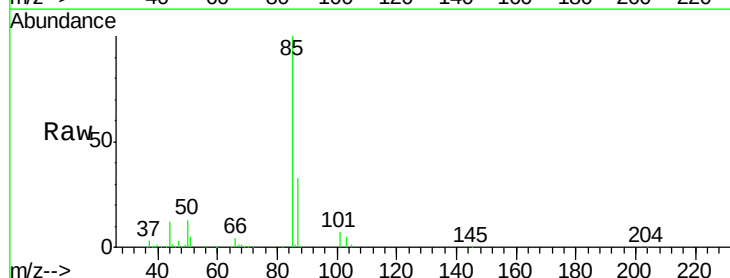
Acq: 6 Jan 2016 17:05

Tgt Ion: 85 Resp: 44024

Ion Ratio Lower Upper

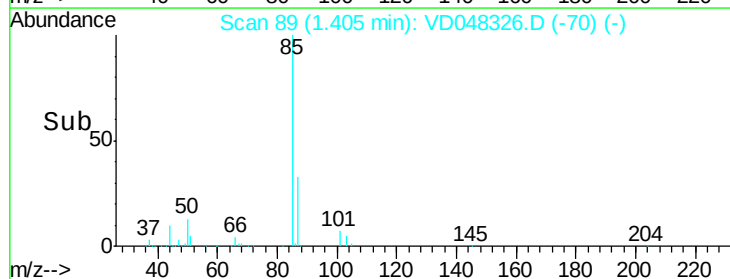
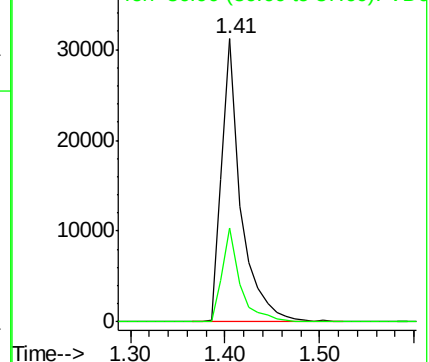
85 100

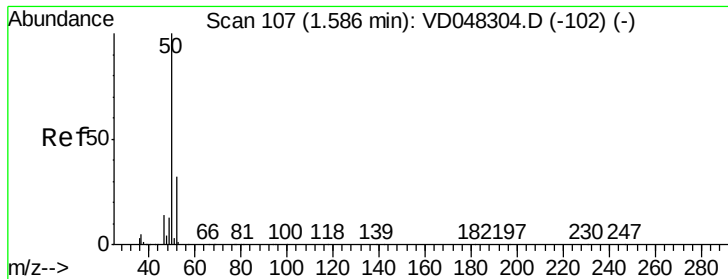
87 33.1 16.1 48.2



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 17.68 ug/l

RT: 1.57 min Scan# 106

Delta R.T. -0.01 min

Lab File: VD048326.D

Acq: 6 Jan 2016 17:05

Instrument :

BNA_F

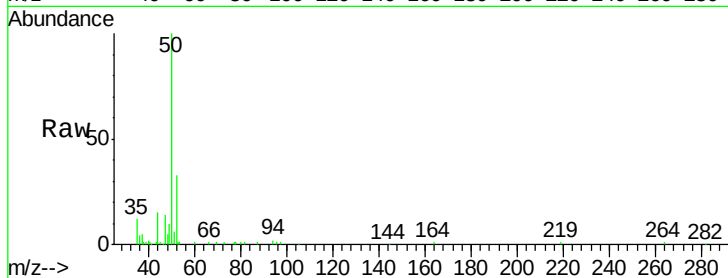
ClientSampleId :

Tot Ion: 50 Resp: 24159

Ion Ratio Lower Upper

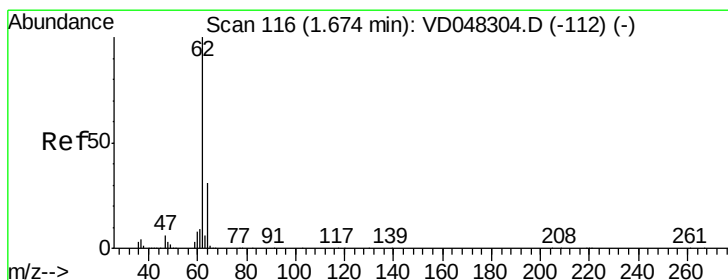
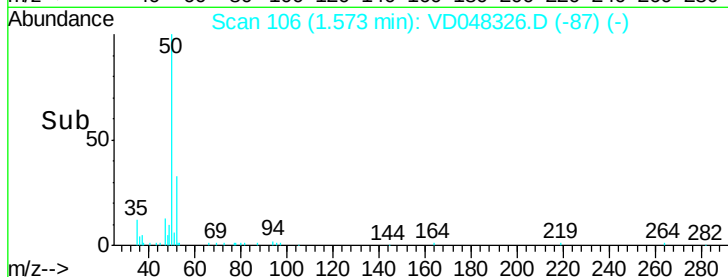
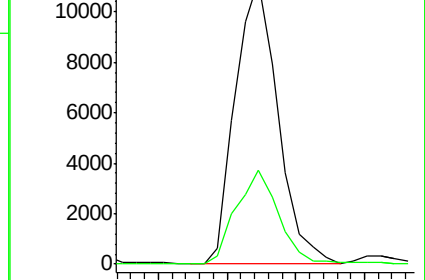
50 100

52 33.2 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: 18.44 ug/l

RT: 1.66 min Scan# 115

Delta R.T. -0.01 min

Lab File: VD048326.D

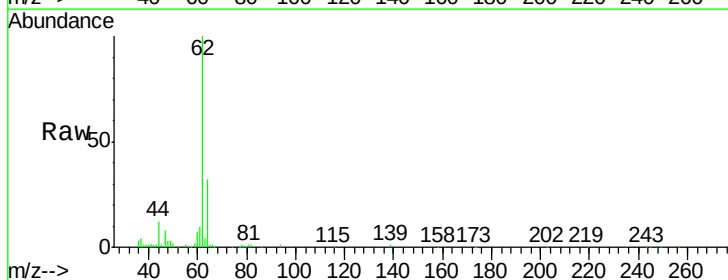
Acq: 6 Jan 2016 17:05

Tgt Ion: 62 Resp: 23235

Ion Ratio Lower Upper

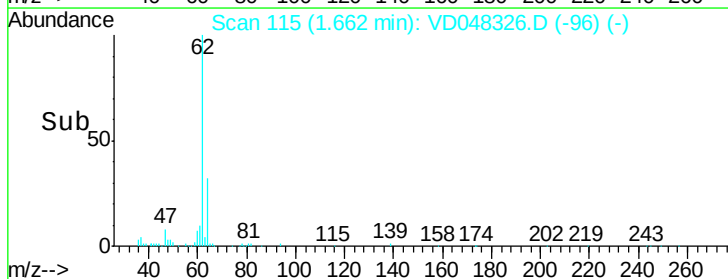
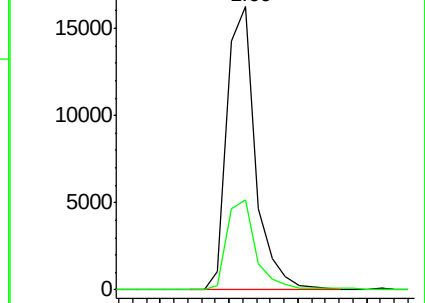
62 100

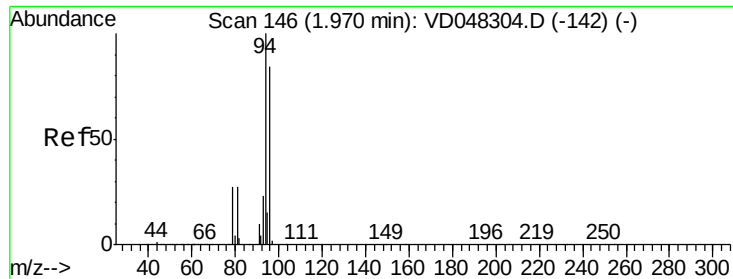
64 31.8 27.5 41.3



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 17.85 ug/l

RT: 1.94 min Scan# 143

Delta R.T. -0.03 min

Lab File: VD048326.D

Acq: 6 Jan 2016 17:05

Instrument :

BNA_F

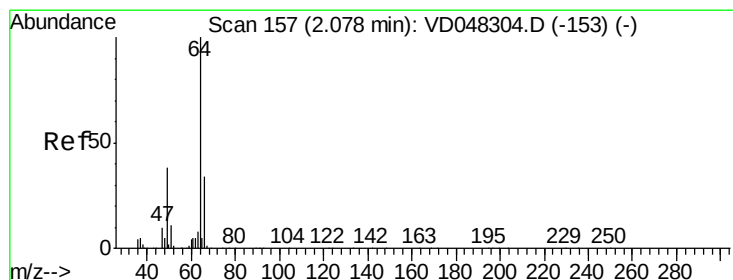
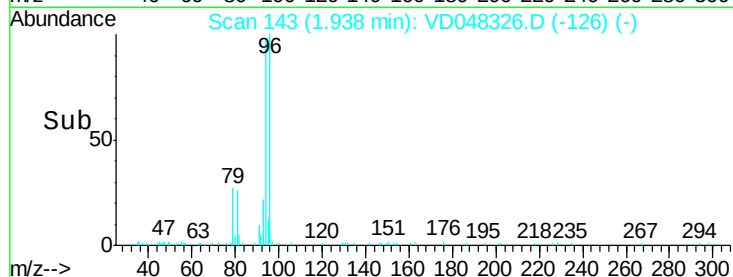
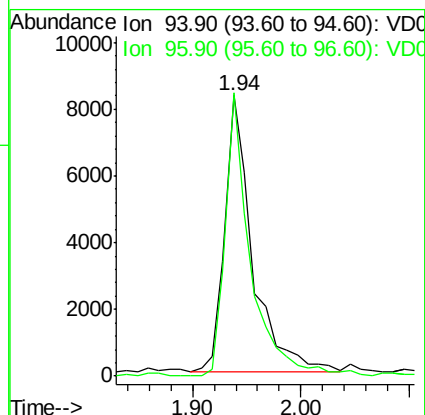
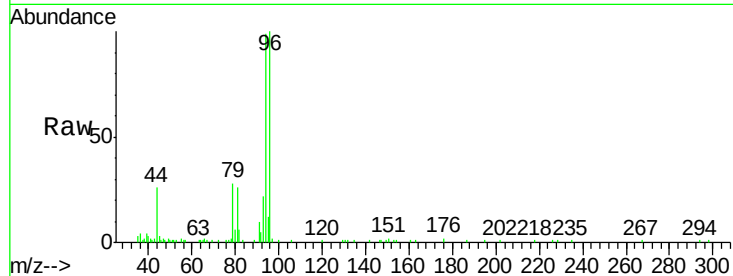
ClientSampled :

Tot Ion: 94 Resp: 14759

Ion Ratio Lower Upper

94 100

96 100.8 76.0 114.0



#6

Chloroethane

Concen: 17.94 ug/l

RT: 2.06 min Scan# 155

Delta R.T. -0.02 min

Lab File: VD048326.D

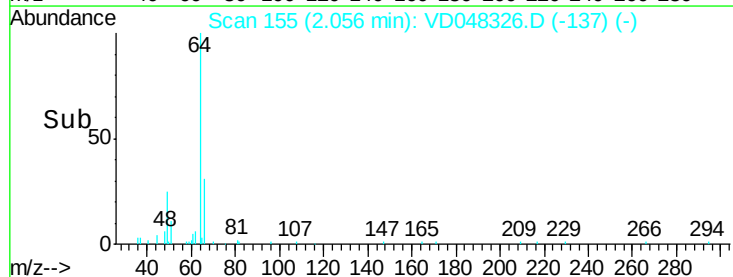
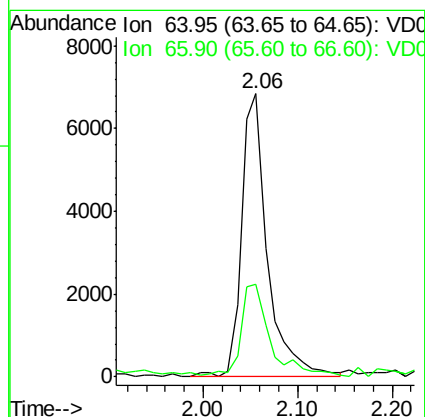
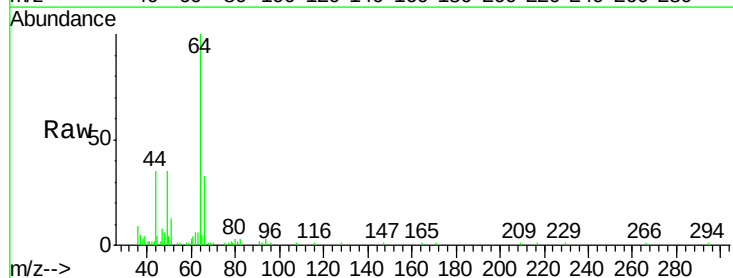
Acq: 6 Jan 2016 17:05

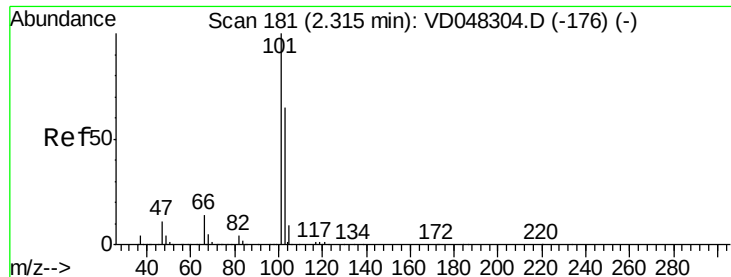
Tgt Ion: 64 Resp: 12984

Ion Ratio Lower Upper

64 100

66 33.0 27.0 40.4



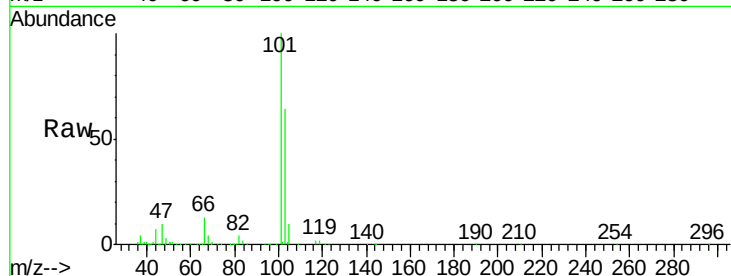


#7

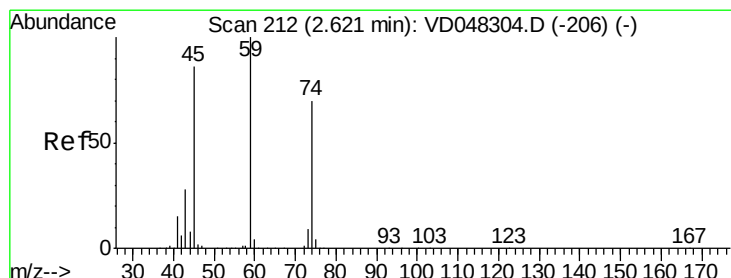
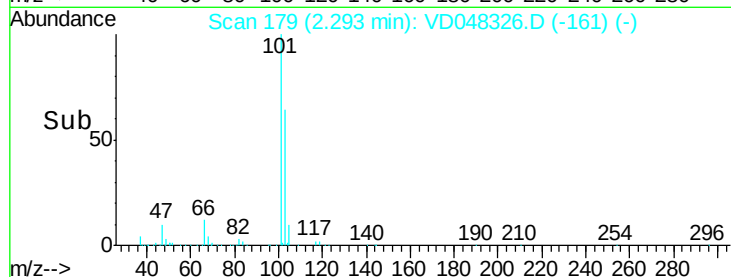
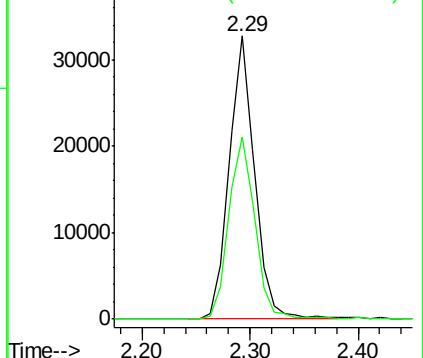
Trichlorofluoromethane
 Concen: 19.13 ug/l
 RT: 2.29 min Scan# 179
 Delta R.T. -0.02 min
 Lab File: VD048326.D
 Acq: 6 Jan 2016 17:05

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:101 Resp: 53636
 Ion Ratio Lower Upper
 101 100
 103 64.4 49.4 74.0



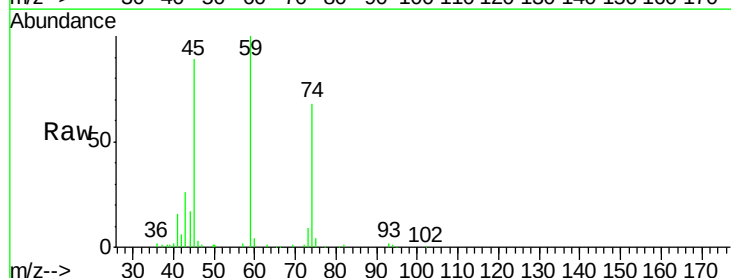
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



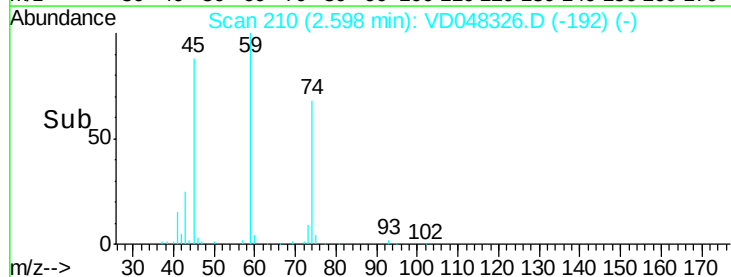
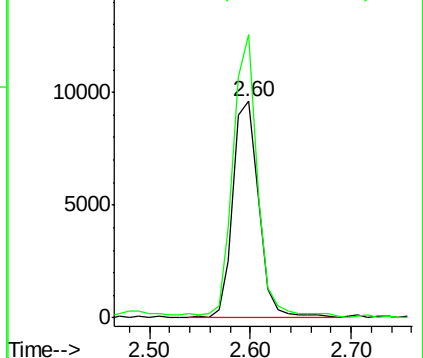
#8

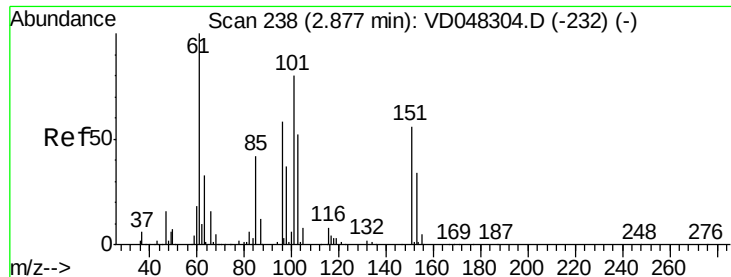
Diethyl Ether
 Concen: 20.97 ug/l
 RT: 2.60 min Scan# 210
 Delta R.T. -0.02 min
 Lab File: VD048326.D
 Acq: 6 Jan 2016 17:05

Tgt Ion: 74 Resp: 17141
 Ion Ratio Lower Upper
 74 100
 45 130.8 56.9 170.6



Abundance Ion 74.00 (73.70 to 74.70): VDC
 Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.37 ug/l

RT: 2.85 min Scan# 236

Delta R.T. -0.02 min

Lab File: VD048326.D

Acq: 6 Jan 2016 17:05

Instrument :

BNA_F

ClientSampleId :

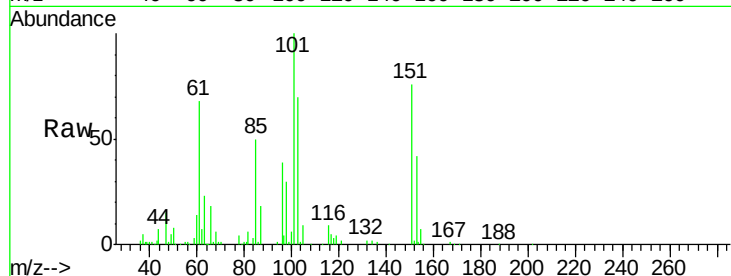
Tot Ion:101 Resp: 36081

Ion Ratio Lower Upper

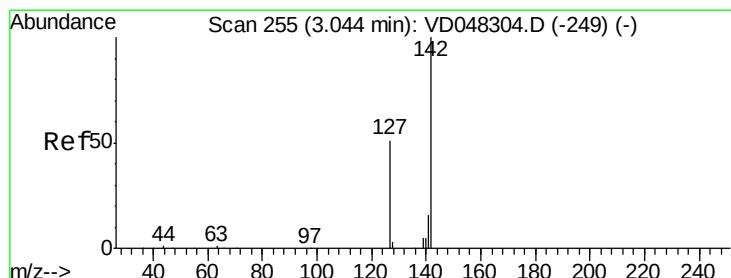
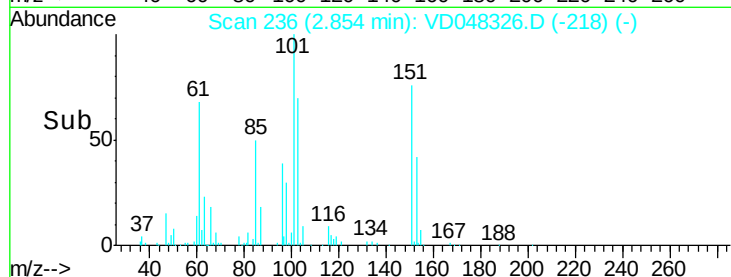
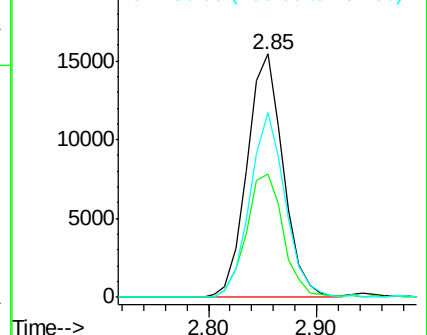
101 100

85 50.4 41.0 61.4

151 75.8 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: 20.93 ug/l

RT: 3.01 min Scan# 252

Delta R.T. -0.03 min

Lab File: VD048326.D

Acq: 6 Jan 2016 17:05

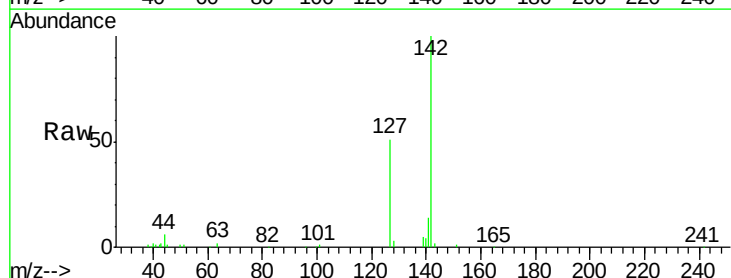
Tgt Ion:142 Resp: 28285

Ion Ratio Lower Upper

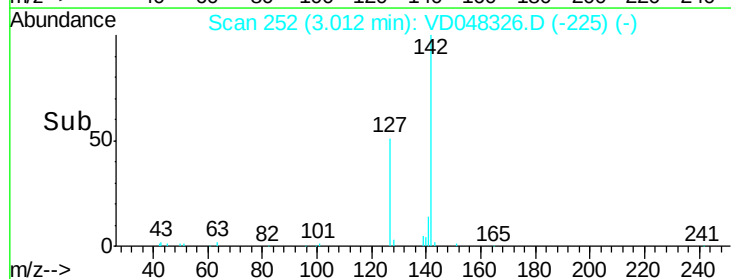
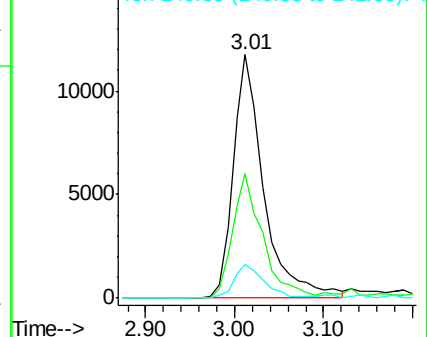
142 100

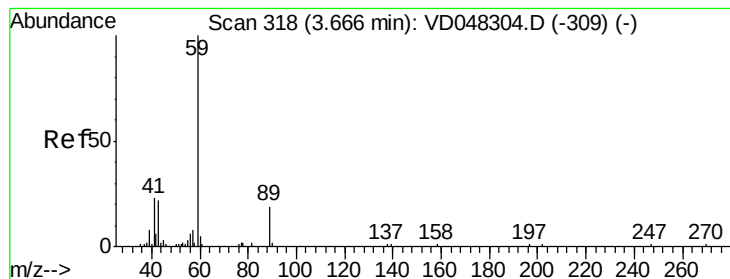
127 51.3 40.6 61.0

141 13.9 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



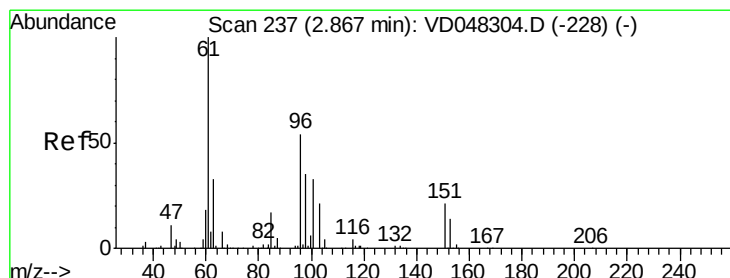
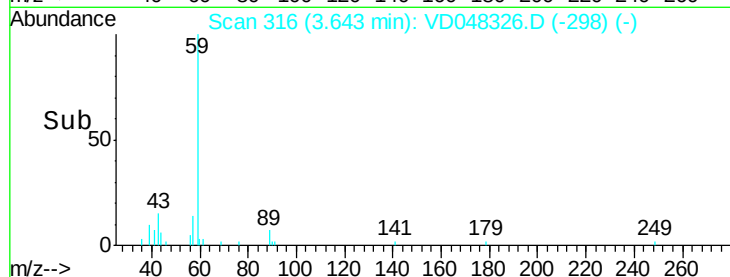
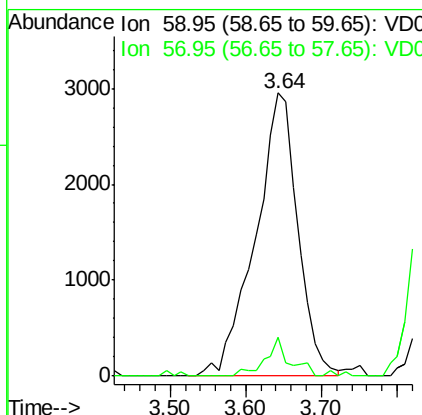
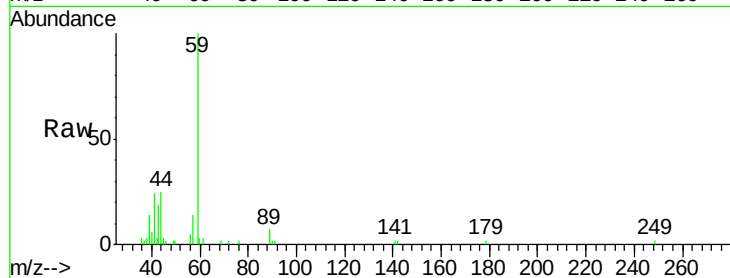


#11

Tert butyl alcohol
Concen: 109.34 ug/l
RT: 3.64 min Scan# 316
Delta R.T. -0.02 min
Lab File: VD048326.D
Acq: 6 Jan 2016 17:05

Instrument :
BNA_F
ClientSampleId :

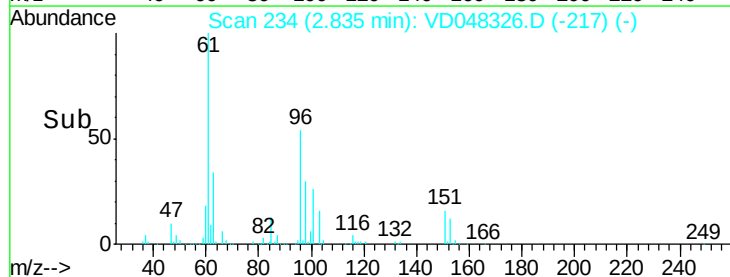
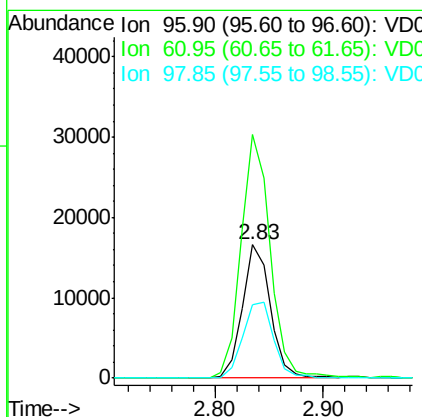
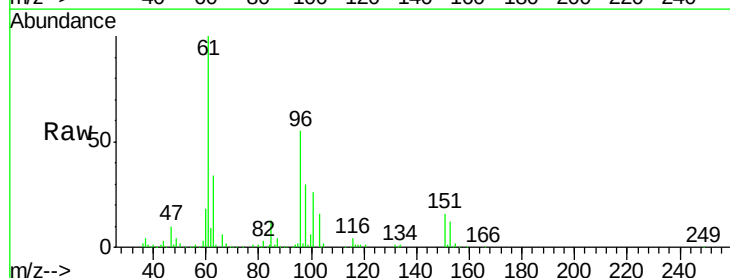
Tot Ion: 59 Resp: 11478
Ion Ratio Lower Upper
59 100
57 13.9 7.9 11.9#

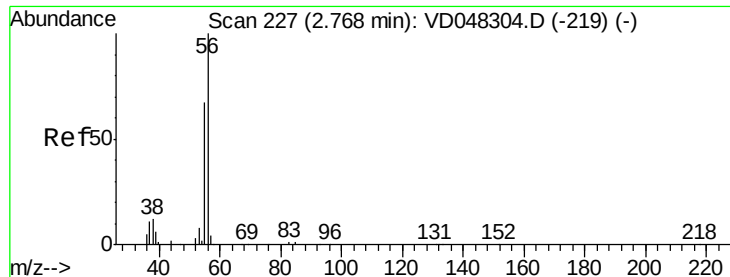


#12

1,1-Dichloroethene
Concen: 18.72 ug/l
RT: 2.83 min Scan# 234
Delta R.T. -0.03 min
Lab File: VD048326.D
Acq: 6 Jan 2016 17:05

Tgt Ion: 96 Resp: 29925
Ion Ratio Lower Upper
96 100
61 182.9 150.1 225.1
98 55.0 50.6 76.0





#13

Acrolein

Concen: 124.10 ug/l

RT: 2.75 min Scan# 225

Delta R.T. -0.02 min

Lab File: VD048326.D

Acq: 6 Jan 2016 17:05

Instrument :

BNA_F

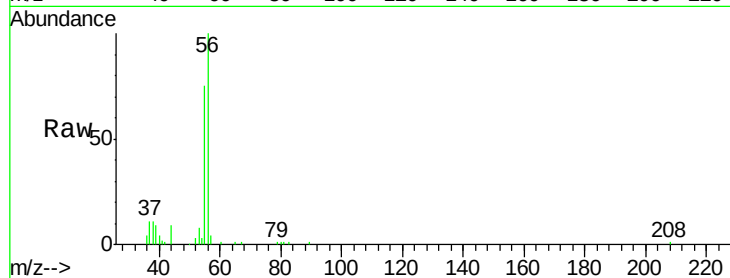
ClientSampleId :

Tot Ion: 56 Resp: 20407

Ion Ratio Lower Upper

56 100

55 75.3 52.2 78.4



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

2.75

12000

10000

8000

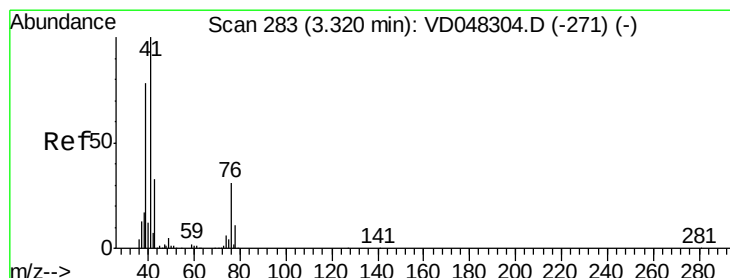
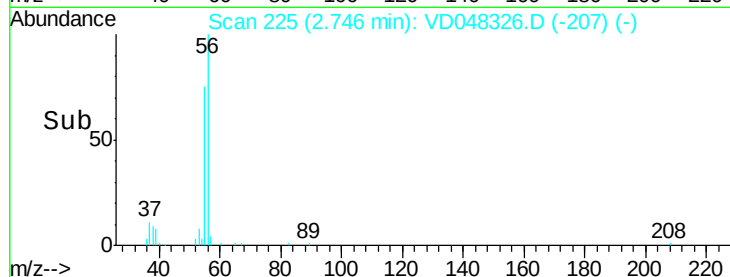
6000

4000

2000

0

Time--> 2.60 2.70 2.80 2.90



#14

Allyl chloride

Concen: 17.70 ug/l

RT: 3.29 min Scan# 280

Delta R.T. -0.03 min

Lab File: VD048326.D

Acq: 6 Jan 2016 17:05

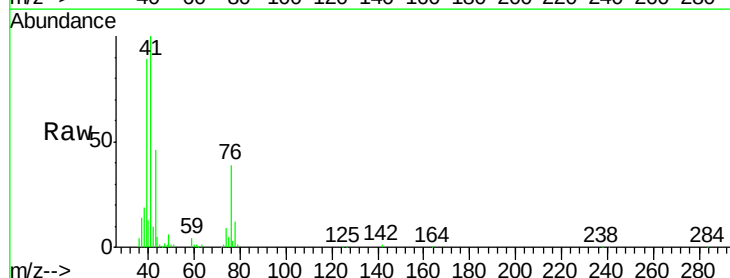
Tgt Ion: 41 Resp: 57713

Ion Ratio Lower Upper

41 100

39 89.1 62.5 93.7

76 38.7 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

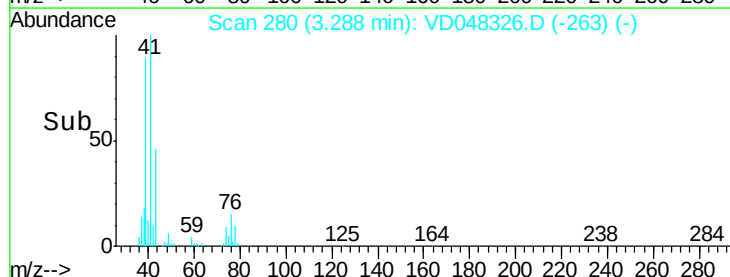
60000

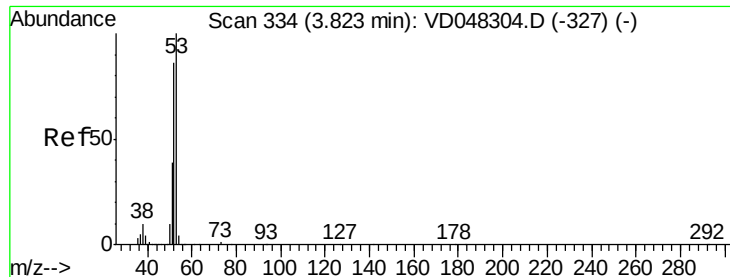
40000

20000

0

Time--> 3.10 3.20 3.30 3.40





#15

Acrylonitrile

Concen: 117.95 ug/l

RT: 3.79 min Scan# 331

Delta R.T. -0.03 min

Lab File: VD048326.D

Acq: 6 Jan 2016 17:05

Instrument :

BNA_F

ClientSampleId :

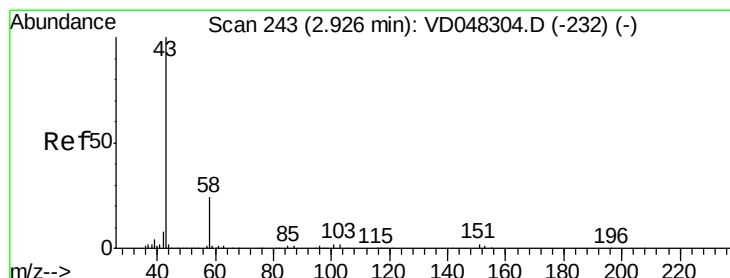
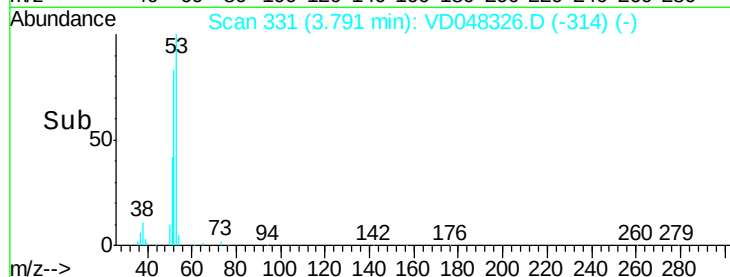
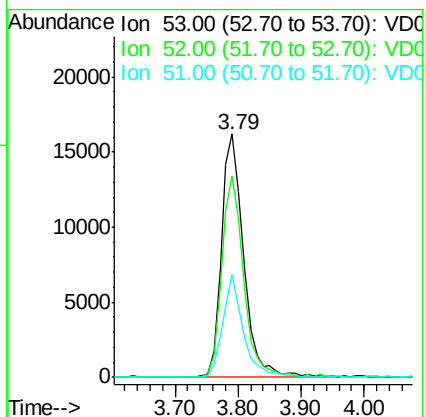
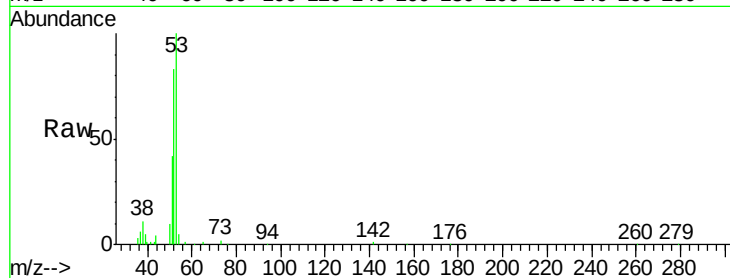
Tot Ion: 53 Resp: 39758

Ion Ratio Lower Upper

53 100

52 82.7 65.7 98.5

51 42.2 29.9 44.9



#16

Acetone

Concen: 94.94 ug/l

RT: 2.90 min Scan# 241

Delta R.T. -0.02 min

Lab File: VD048326.D

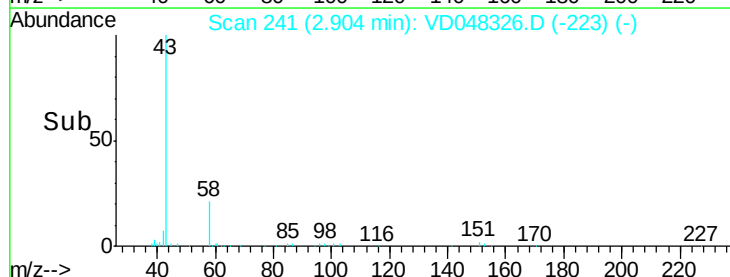
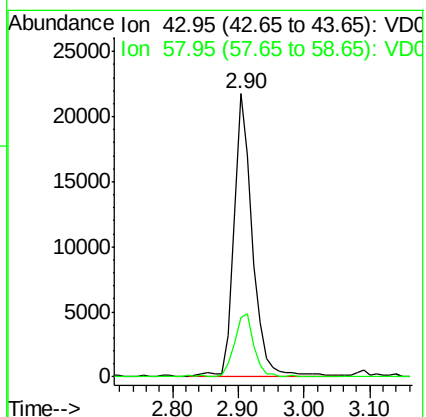
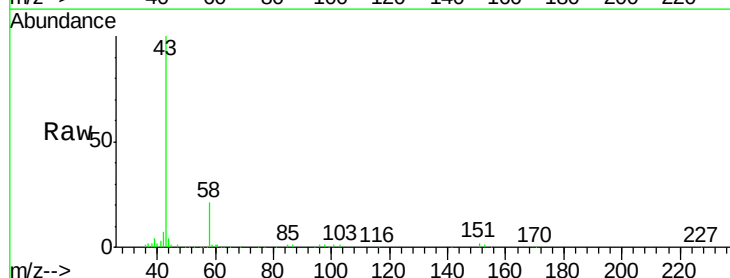
Acq: 6 Jan 2016 17:05

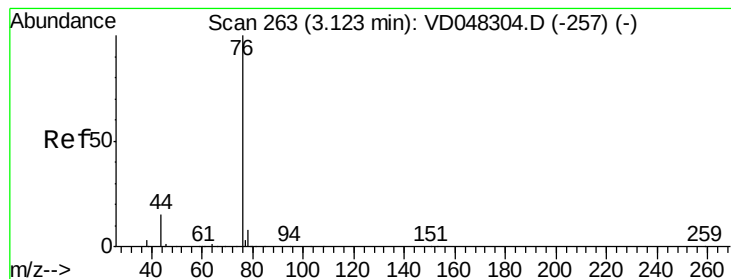
Tgt Ion: 43 Resp: 43294

Ion Ratio Lower Upper

43 100

58 21.1 20.6 30.8





#17

Carbon Disulfide

Concen: 17.64 ug/l

RT: 3.09 min Scan# 260

Delta R.T. -0.03 min

Lab File: VD048326.D

Acq: 6 Jan 2016 17:05

Instrument :

BNA_F

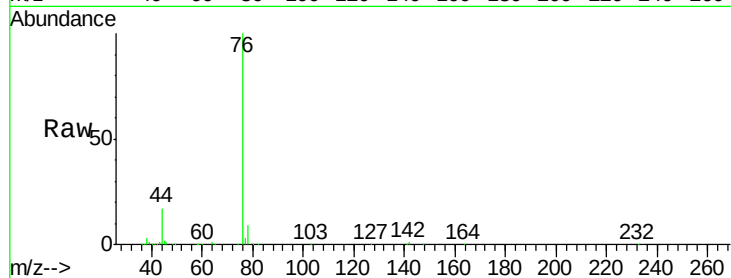
ClientSampleId :

Tot Ion: 76 Resp: 99252

Ion Ratio Lower Upper

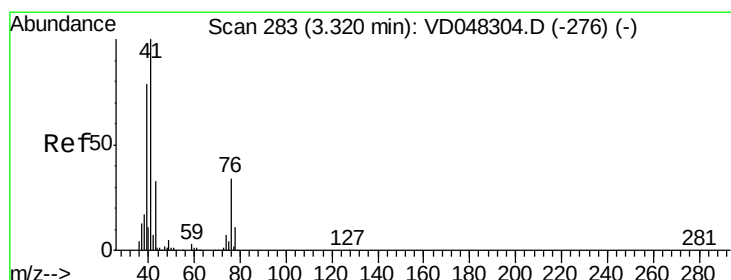
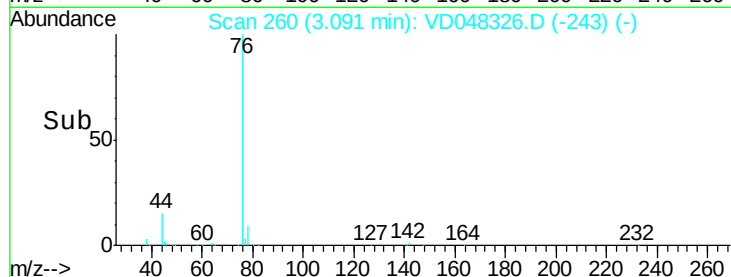
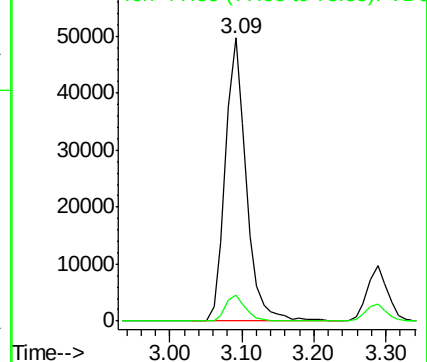
76 100

78 9.3 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: 22.20 ug/l

RT: 3.29 min Scan# 280

Delta R.T. -0.03 min

Lab File: VD048326.D

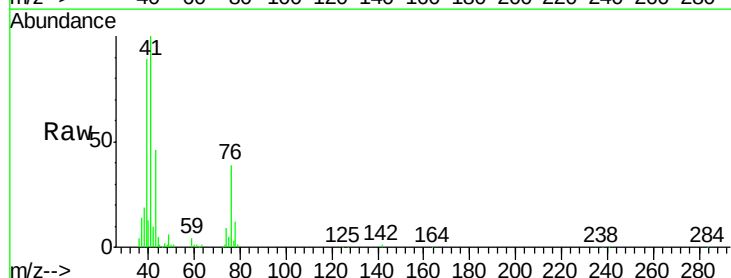
Acq: 6 Jan 2016 17:05

Tgt Ion: 43 Resp: 25011

Ion Ratio Lower Upper

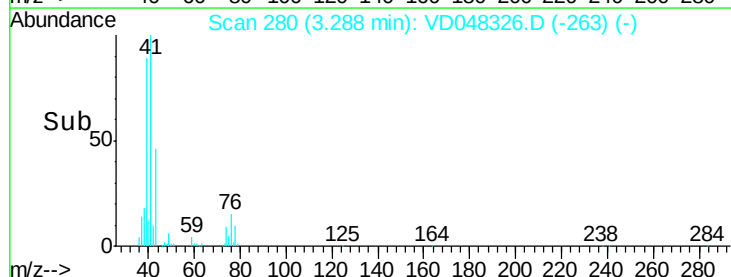
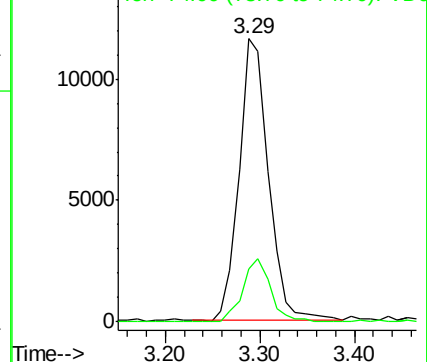
43 100

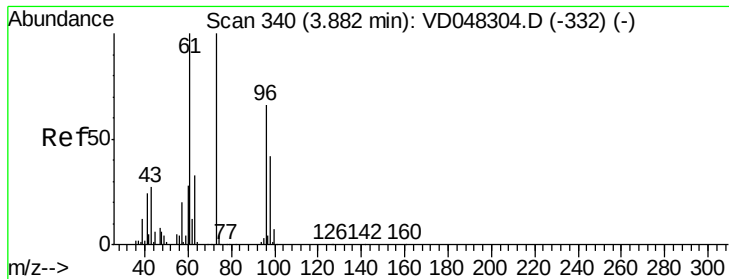
74 18.9 15.2 22.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

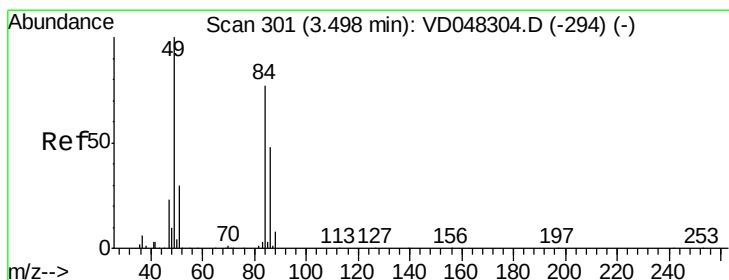
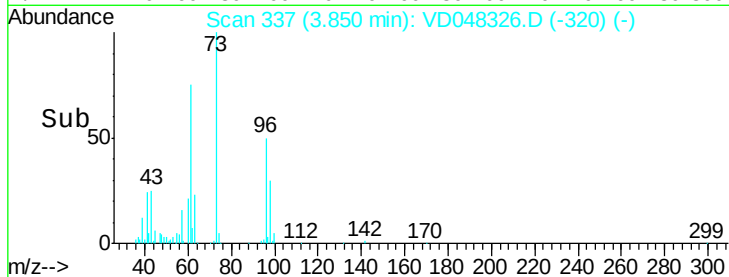
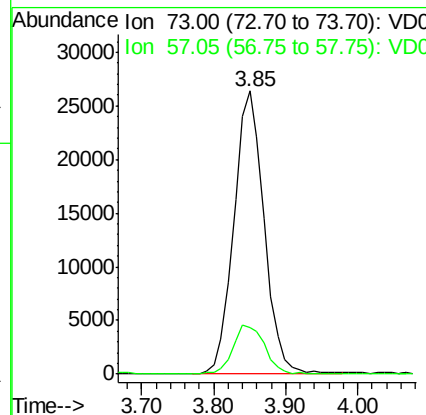
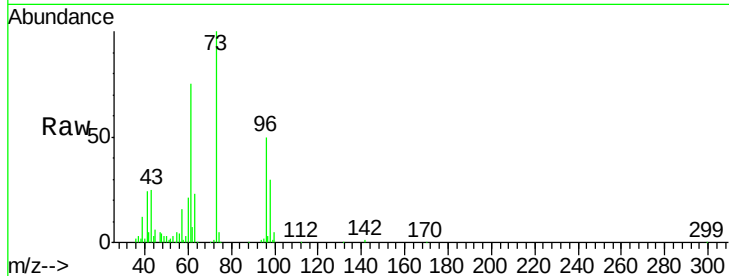




#19
Methyl tert-butyl Ether
Concen: 22.40 ug/l
RT: 3.85 min Scan# 337
Delta R.T. -0.03 min
Lab File: VD048326.D
Acq: 6 Jan 2016 17:05

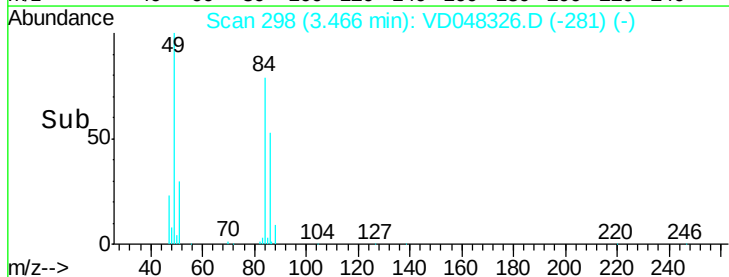
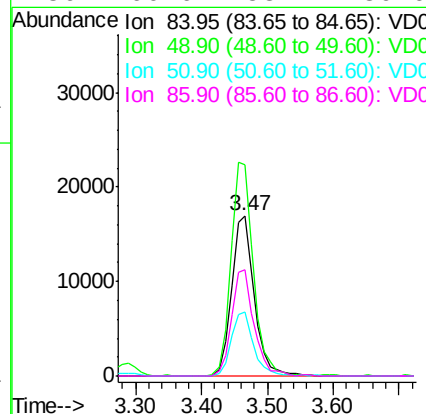
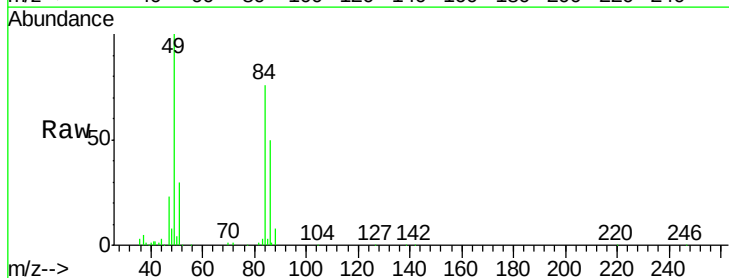
Instrument :
BNA_F
ClientSampleId :

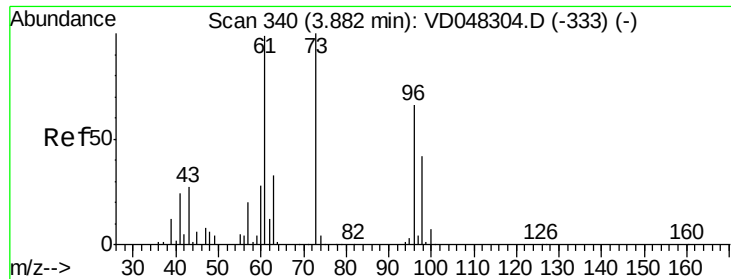
Tot Ion: 73 Resp: 77215
Ion Ratio Lower Upper
73 100
57 16.5 15.1 22.7



#20
Methylene Chloride
Concen: 19.29 ug/l
RT: 3.47 min Scan# 298
Delta R.T. -0.03 min
Lab File: VD048326.D
Acq: 6 Jan 2016 17:05

Tgt Ion: 84 Resp: 40904
Ion Ratio Lower Upper
84 100
49 131.9 106.5 159.7
51 39.7 33.2 49.8
86 66.6 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 19.31 ug/l

RT: 3.84 min Scan# 336

Delta R.T. -0.04 min

Lab File: VD048326.D

Acq: 6 Jan 2016 17:05

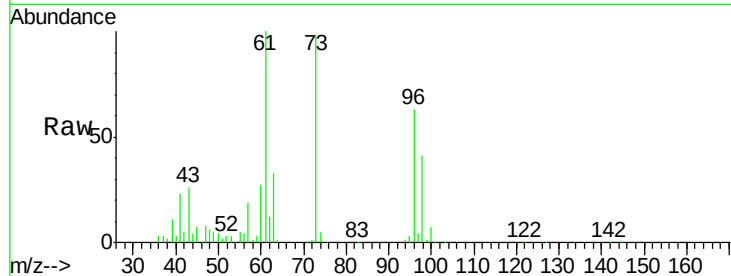
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 96 Resp: 34142

Ion	Ratio	Lower	Upper
96	100		
61	158.9	129.7	194.5
98	65.3	49.1	73.7

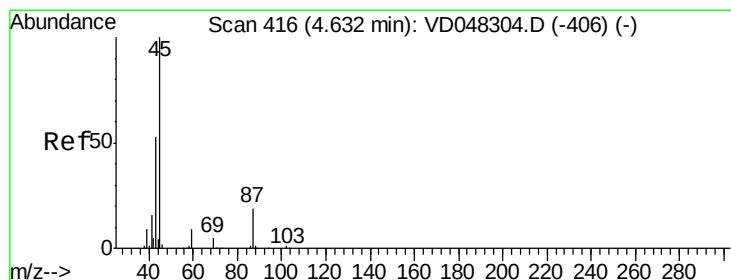
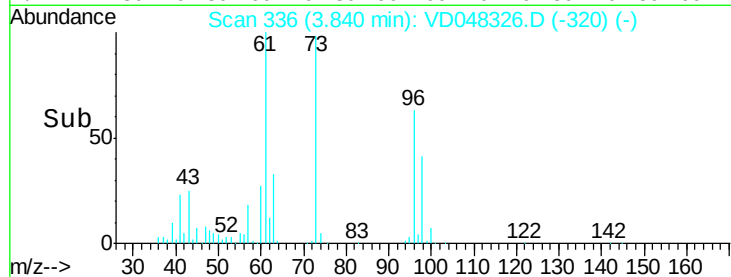
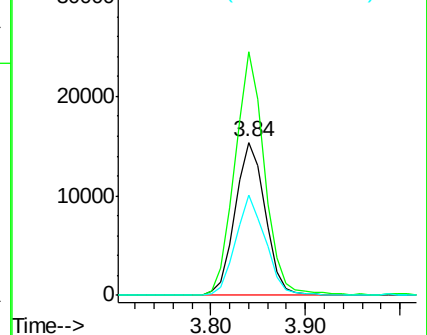


Abundance

Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 20.11 ug/l

RT: 4.60 min Scan# 413

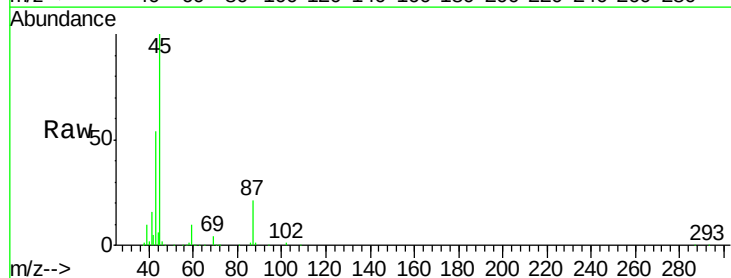
Delta R.T. -0.03 min

Lab File: VD048326.D

Acq: 6 Jan 2016 17:05

Tgt Ion: 45 Resp: 123803

Ion	Ratio	Lower	Upper
45	100		
43	53.7	40.0	60.0
87	20.6	15.8	23.8
59	10.2	8.0	12.0



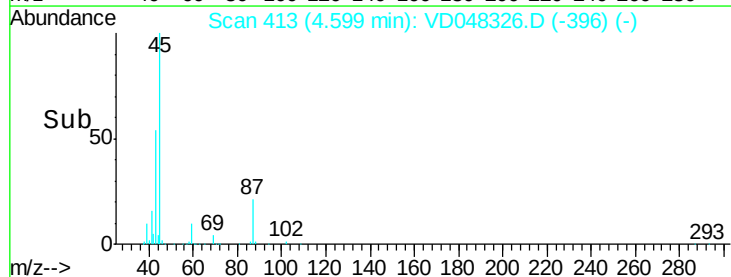
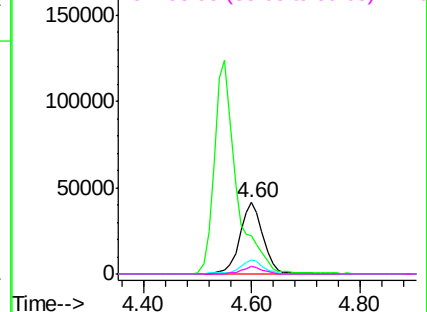
Abundance

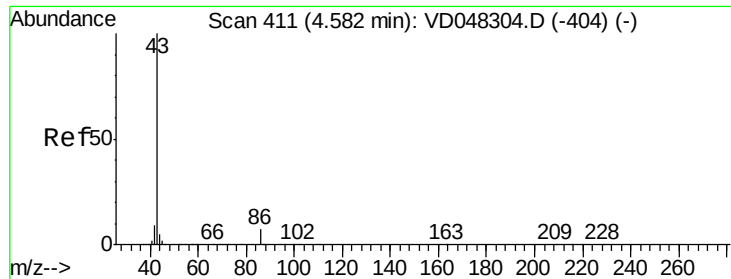
Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC

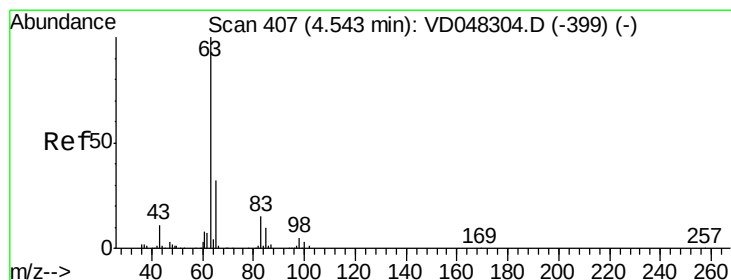
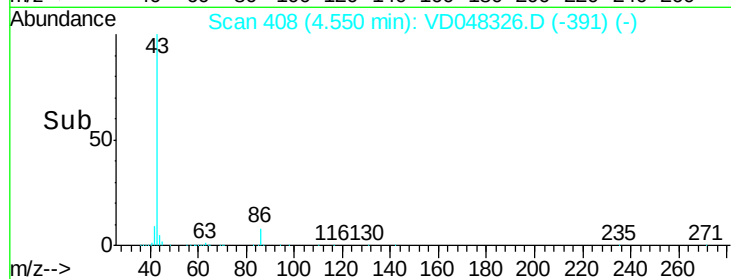
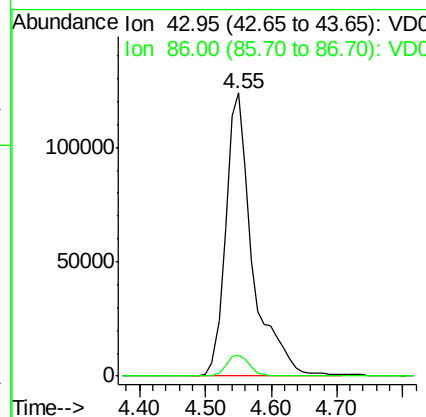
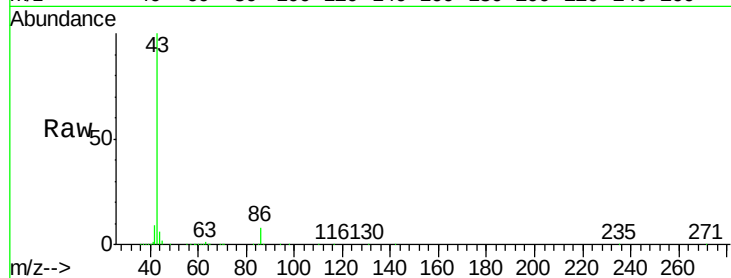




#23
Vinyl Acetate
Concen: 115.96 ug/l
RT: 4.55 min Scan# 408
Delta R.T. -0.03 min
Lab File: VD048326.D
Acq: 6 Jan 2016 17:05

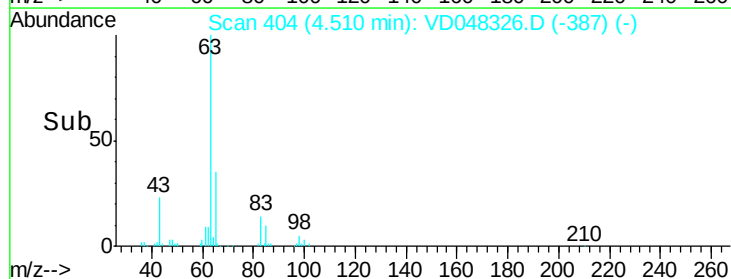
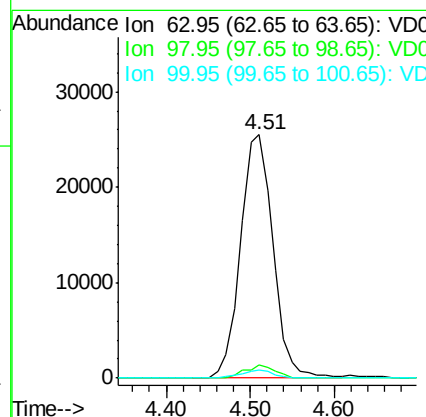
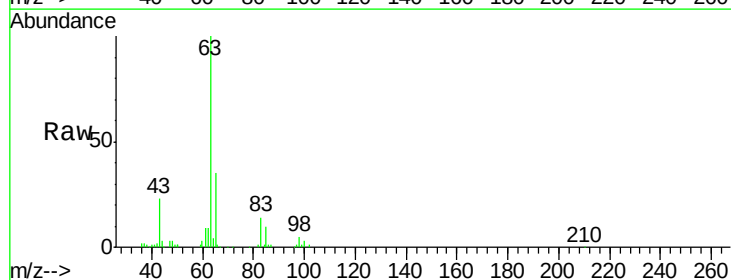
Instrument :
BNA_F
ClientSampleId :

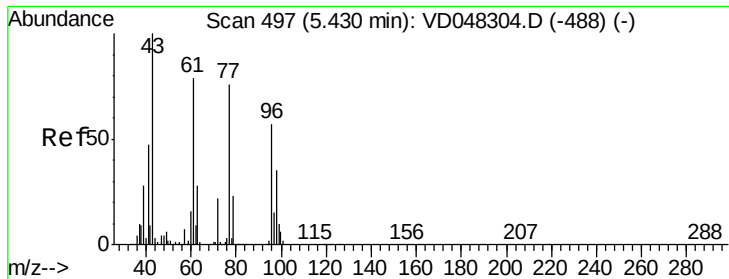
Tot Ion: 43 Resp: 352327
Ion Ratio Lower Upper
43 100
86 7.5 6.3 9.5



#24
1,1-Dichloroethane
Concen: 19.19 ug/l
RT: 4.51 min Scan# 404
Delta R.T. -0.03 min
Lab File: VD048326.D
Acq: 6 Jan 2016 17:05

Tgt Ion: 63 Resp: 68770
Ion Ratio Lower Upper
63 100
98 5.4 2.5 7.5
100 3.3 1.6 4.7





#25

2-Butanone

Concen: 126.00 ug/l

RT: 5.40 min Scan# 494

Delta R.T. -0.03 min

Lab File: VD048326.D

Acq: 6 Jan 2016 17:05

Instrument :

BNA_F

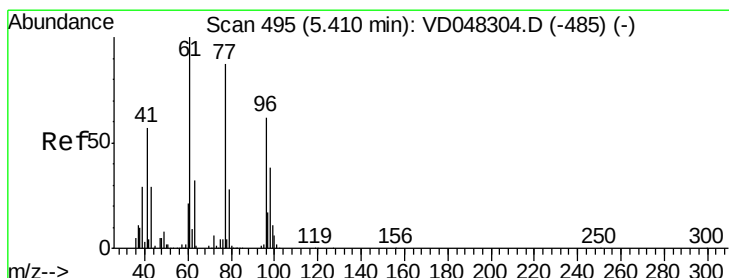
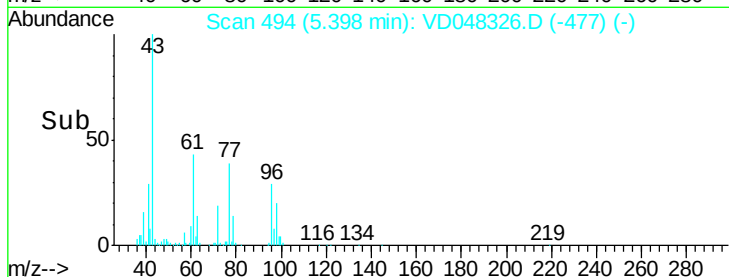
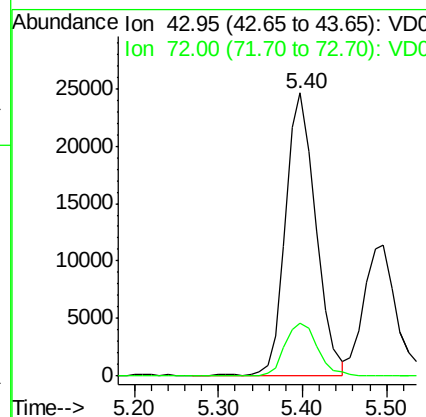
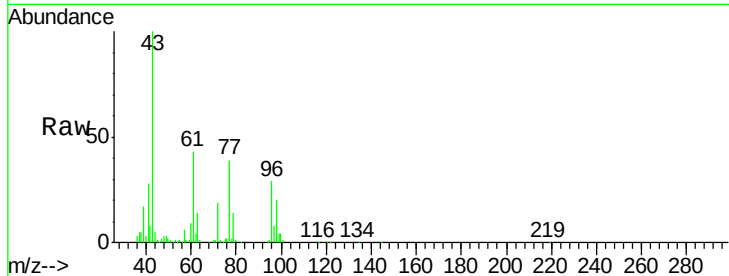
ClientSampled :

Tot Ion: 43 Resp: 61792

Ion Ratio Lower Upper

43 100

72 18.6 17.8 26.6



#26

2,2-Dichloropropane

Concen: 18.57 ug/l

RT: 5.37 min Scan# 491

Delta R.T. -0.04 min

Lab File: VD048326.D

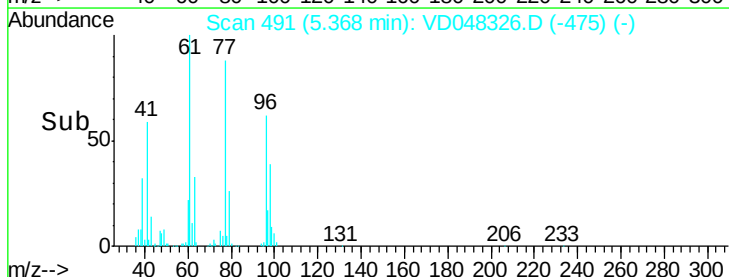
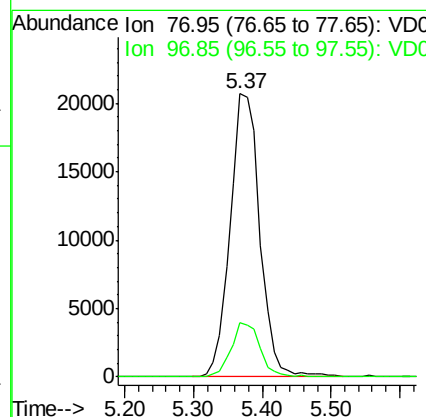
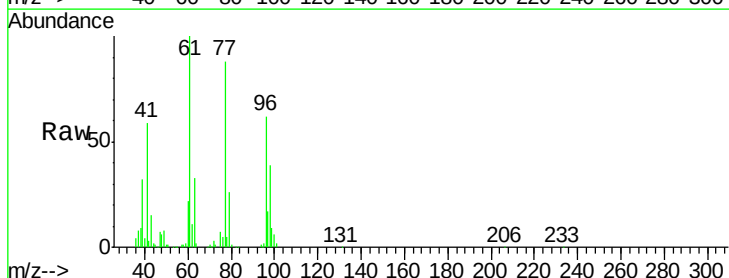
Acq: 6 Jan 2016 17:05

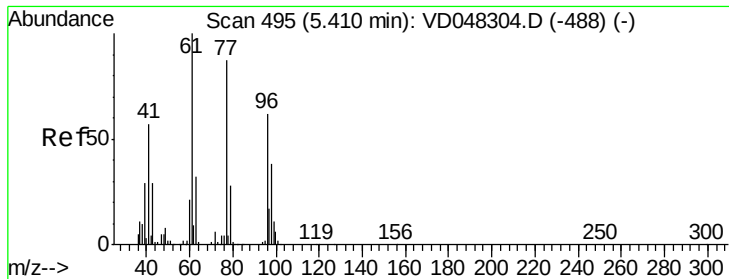
Tgt Ion: 77 Resp: 61963

Ion Ratio Lower Upper

77 100

97 19.0 10.5 31.6





#27

cis-1,2-Dichloroethene

Concen: 19.53 ug/l

RT: 5.38 min Scan# 492

Delta R.T. -0.03 min

Lab File: VD048326.D

Acq: 6 Jan 2016 17:05

Instrument :

BNA_F

ClientSampleId :

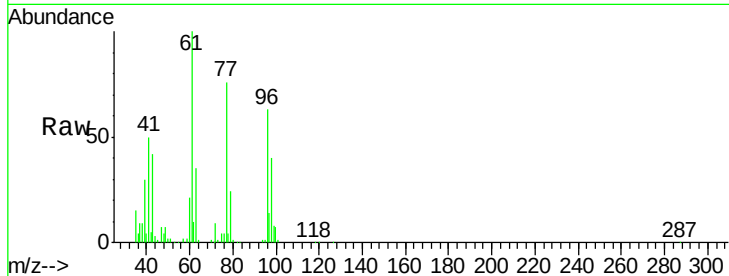
Tot Ion: 96 Resp: 40234

Ion Ratio Lower Upper

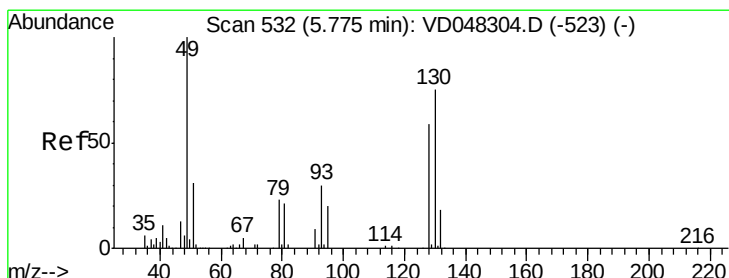
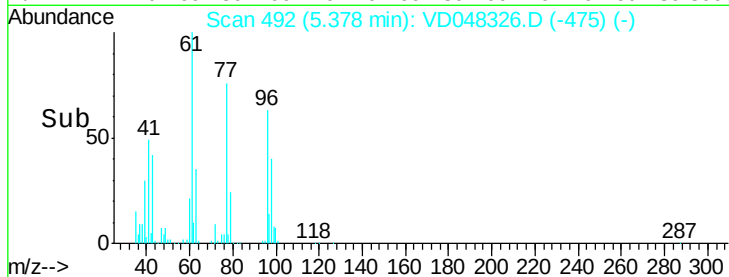
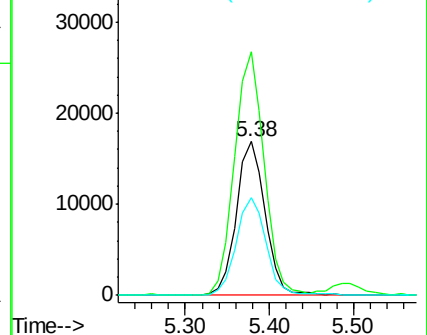
96 100

61 158.6 0.0 332.6

98 63.4 0.0 130.8



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



#28

Bromochloromethane

Concen: 20.56 ug/l

RT: 5.74 min Scan# 529

Delta R.T. -0.03 min

Lab File: VD048326.D

Acq: 6 Jan 2016 17:05

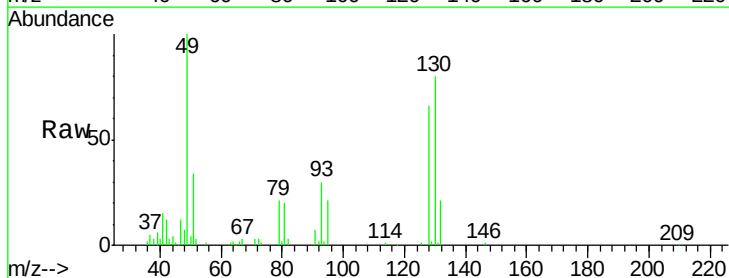
Tgt Ion: 49 Resp: 30674

Ion Ratio Lower Upper

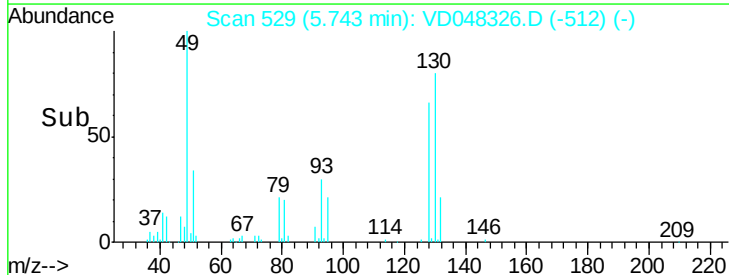
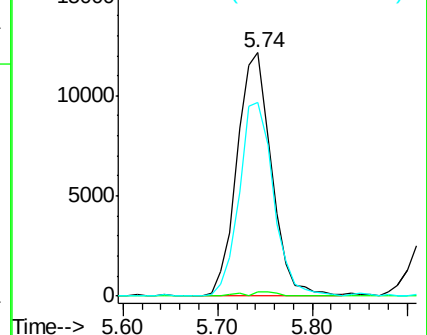
49 100

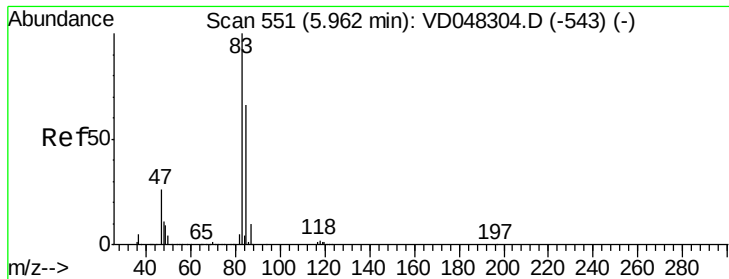
129 1.6 0.0 4.2

130 79.6 62.3 93.5



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): VDC
Ion 129.80 (129.50 to 130.50): VDC





#29

Chloroform

Concen: 19.56 ug/l

RT: 5.92 min Scan# 547

Delta R.T. -0.04 min

Lab File: VD048326.D

Acq: 6 Jan 2016 17:05

Instrument :

BNA_F

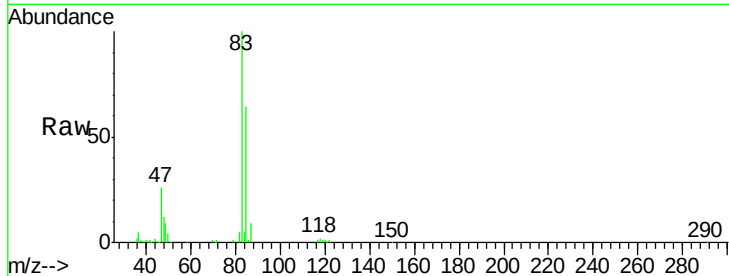
ClientSampleId :

Tot Ion: 83 Resp: 76950

Ion Ratio Lower Upper

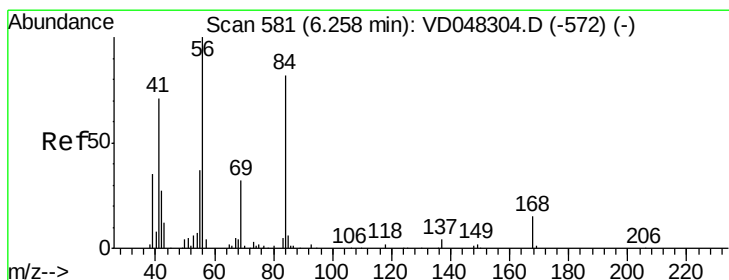
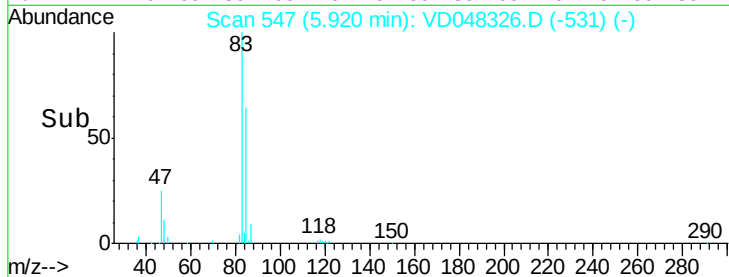
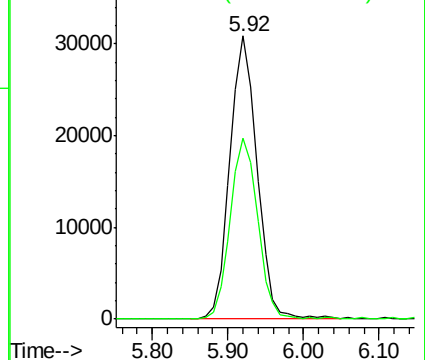
83 100

85 63.8 50.2 75.4



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC



#30

Cyclohexane

Concen: 18.53 ug/l

RT: 6.23 min Scan# 578

Delta R.T. -0.03 min

Lab File: VD048326.D

Acq: 6 Jan 2016 17:05

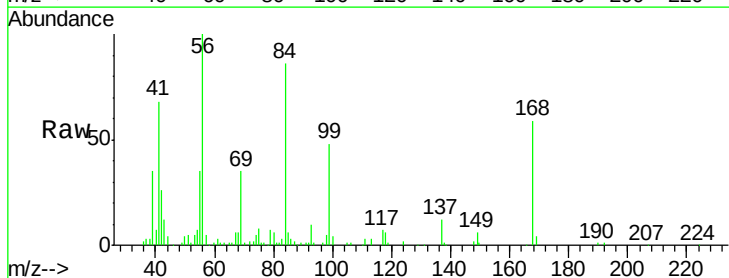
Tgt Ion: 56 Resp: 55390

Ion Ratio Lower Upper

56 100

69 35.4 26.2 39.2

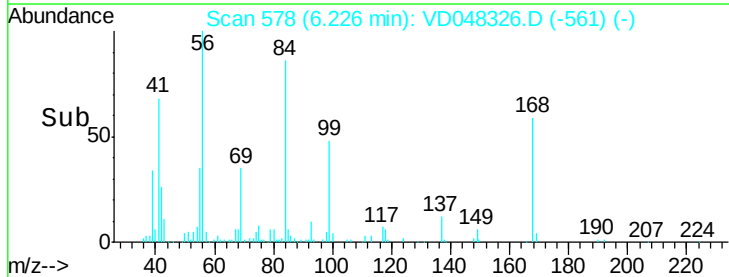
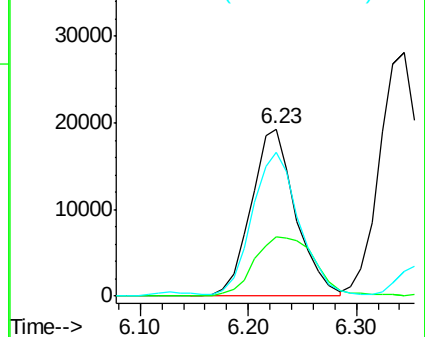
84 86.1 68.5 102.7

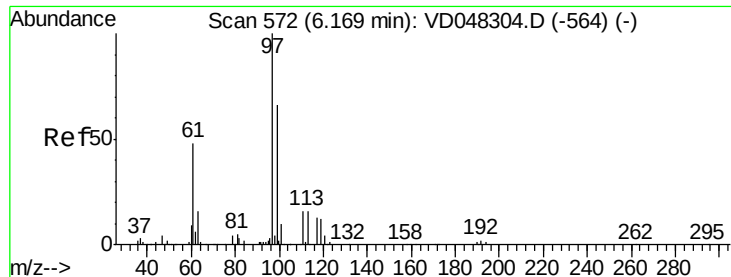


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC





#31

1,1,1-Trichloroethane

Concen: 19.29 ug/l

RT: 6.13 min Scan# 568

Delta R.T. -0.04 min

Lab File: VD048326.D

Acq: 6 Jan 2016 17:05

Instrument :

BNA_F

ClientSampleId :

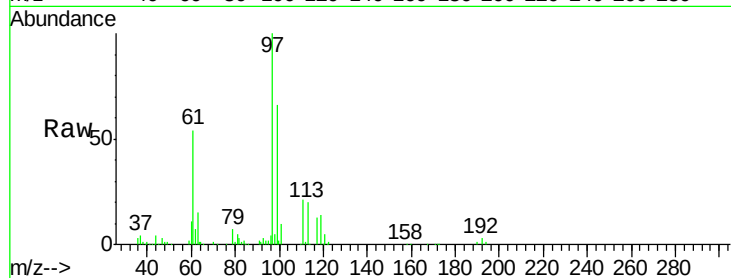
Tot Ion: 97 Resp: 59072

Ion Ratio Lower Upper

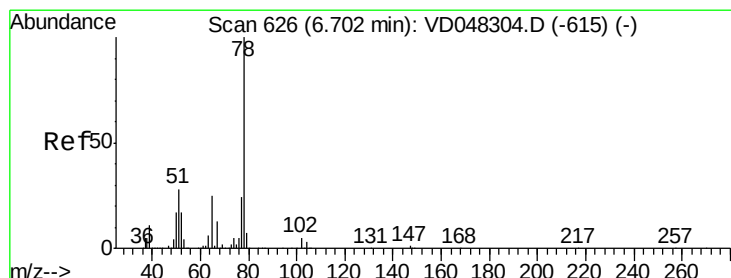
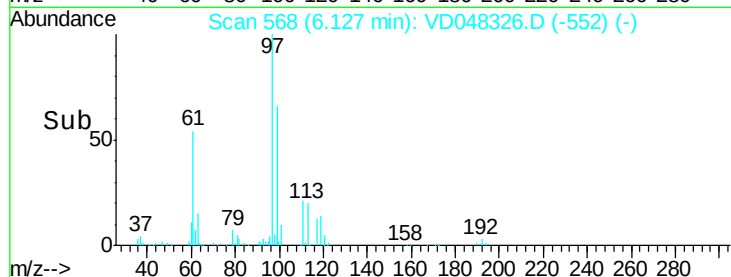
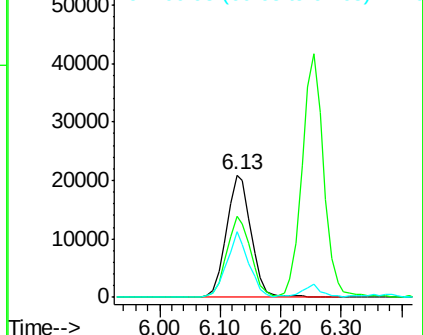
97 100

99 66.4 52.2 78.4

61 53.9 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: 19.29 ug/l

RT: 6.66 min Scan# 622

Delta R.T. -0.04 min

Lab File: VD048326.D

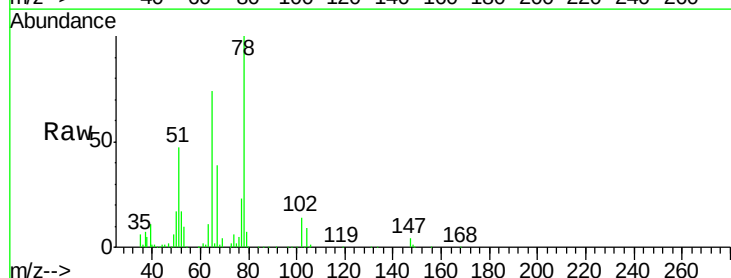
Acq: 6 Jan 2016 17:05

Tgt Ion: 65 Resp: 98729

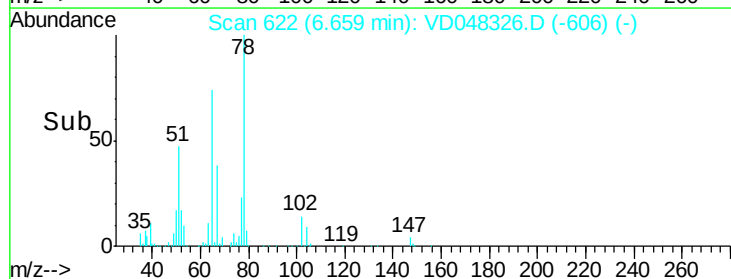
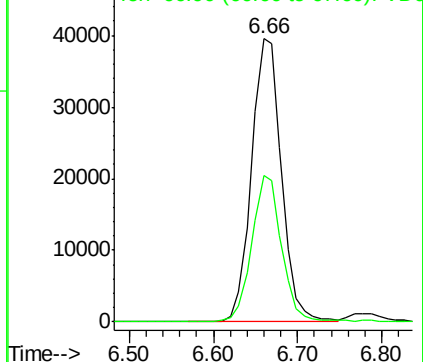
Ion Ratio Lower Upper

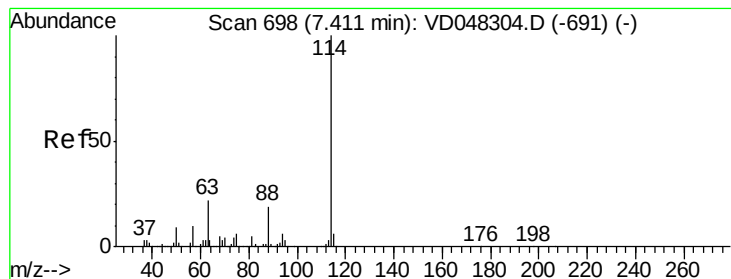
65 100

67 51.8 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: VD048326.D

Acq: 6 Jan 2016 17:05

Instrument :

BNA_F

ClientSampleId :

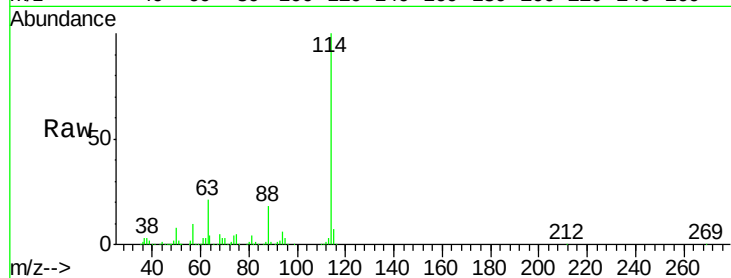
Tot Ion:114 Resp: 308669

Ion Ratio Lower Upper

114 100

63 21.3 0.0 39.4

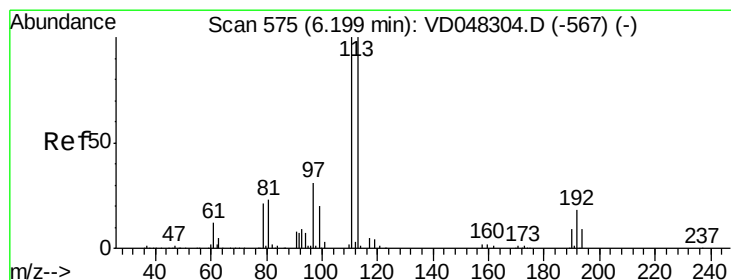
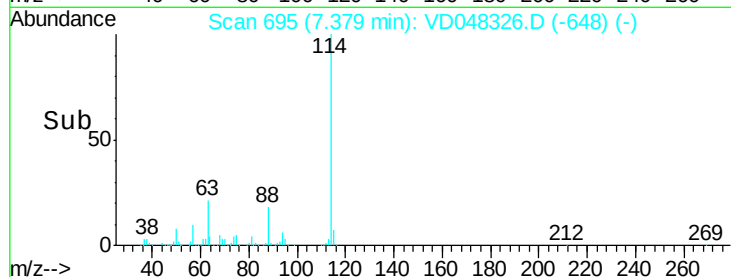
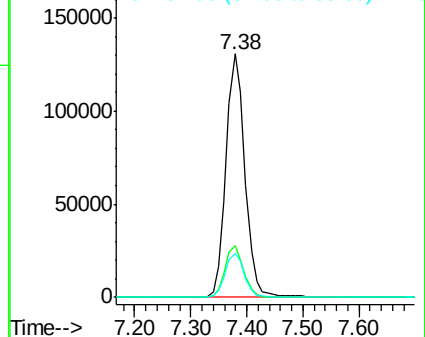
88 18.0 0.0 35.6



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: 6.16 min Scan# 571

Delta R.T. -0.04 min

Lab File: VD048326.D

Acq: 6 Jan 2016 17:05

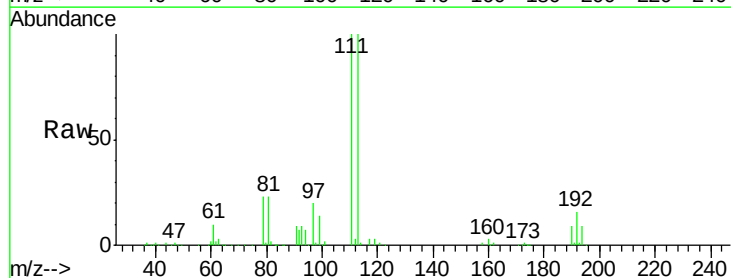
Tgt Ion:113 Resp: 93262

Ion Ratio Lower Upper

113 100

111 100.0 83.7 125.5

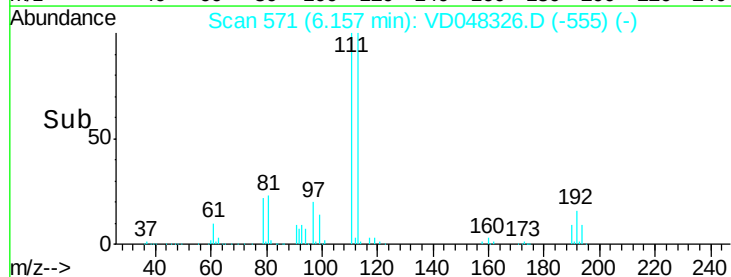
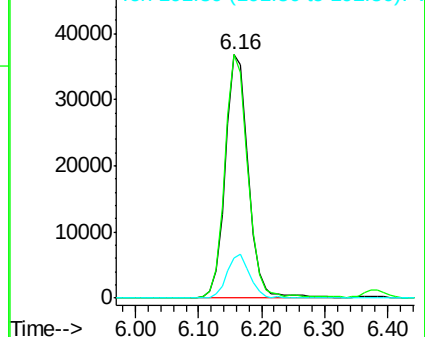
192 16.4 13.9 20.9

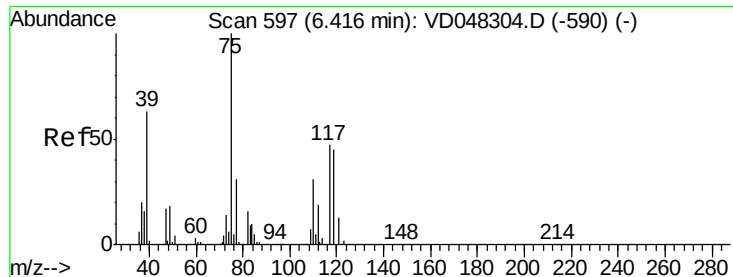


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

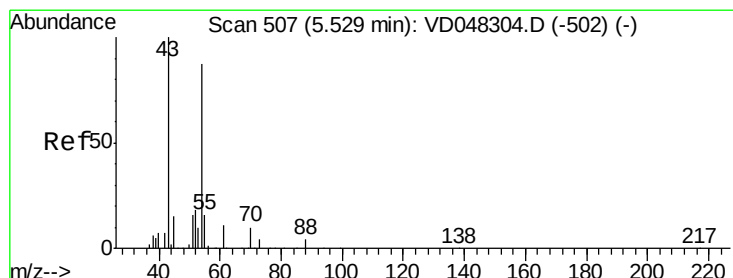
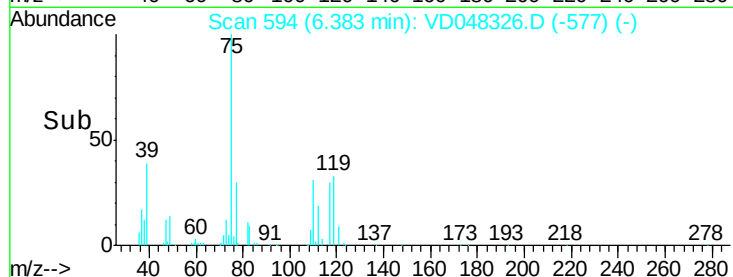
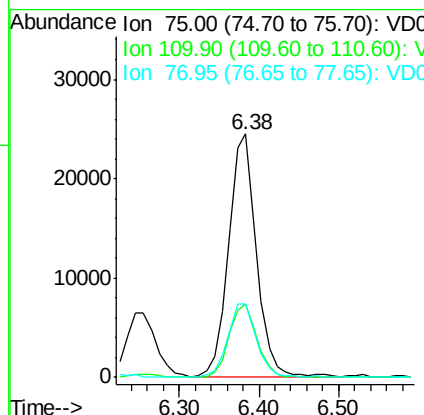
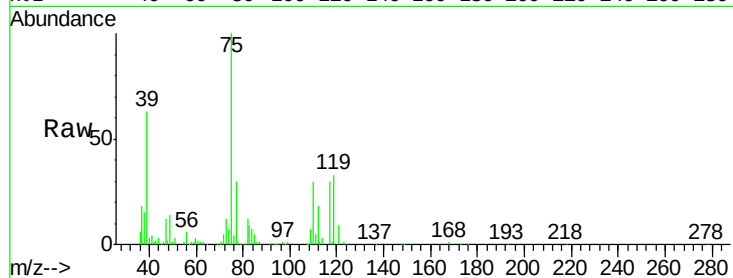




#35
 1,1-Dichloropropene
 Concen: 19.38 ug/l
 RT: 6.38 min Scan# 594
 Delta R.T. -0.03 min
 Lab File: VD048326.D
 Acq: 6 Jan 2016 17:05

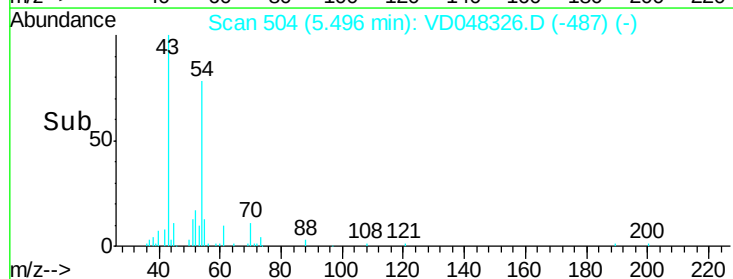
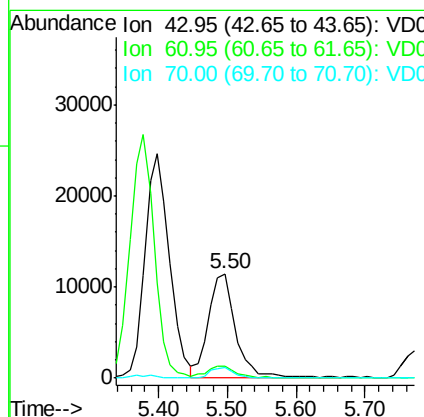
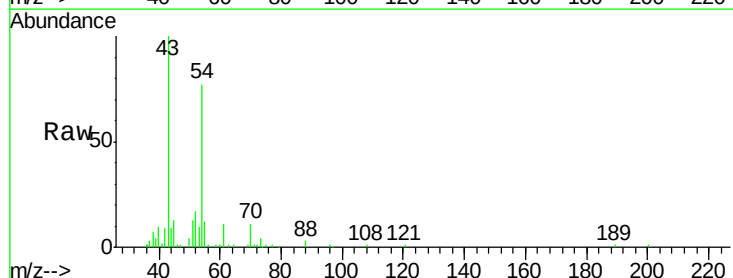
Instrument :
 BNA_F
 ClientSampleId :

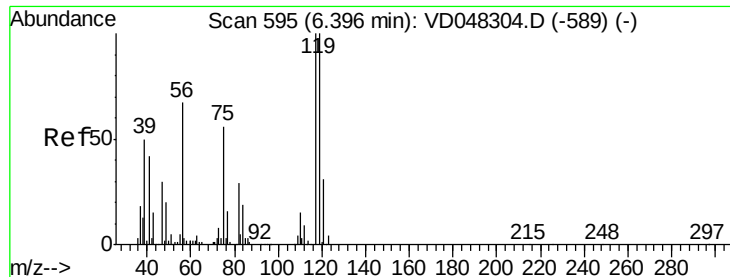
Tot Ion: 75 Resp: 59516
 Ion Ratio Lower Upper
 75 100
 110 29.9 15.6 46.8
 77 29.9 24.2 36.2



#36
 Ethyl Acetate
 Concen: 23.51 ug/l
 RT: 5.50 min Scan# 504
 Delta R.T. -0.03 min
 Lab File: VD048326.D
 Acq: 6 Jan 2016 17:05

Tgt Ion: 43 Resp: 31894
 Ion Ratio Lower Upper
 43 100
 61 11.5 10.2 15.2
 70 10.8 7.8 11.8





#37

Carbon Tetrachloride

Concen: 17.58 ug/l

RT: 6.35 min Scan# 591

Delta R.T. -0.04 min

Lab File: VD048326.D

Acq: 6 Jan 2016 17:05

Instrument :

BNA_F

ClientSampleId :

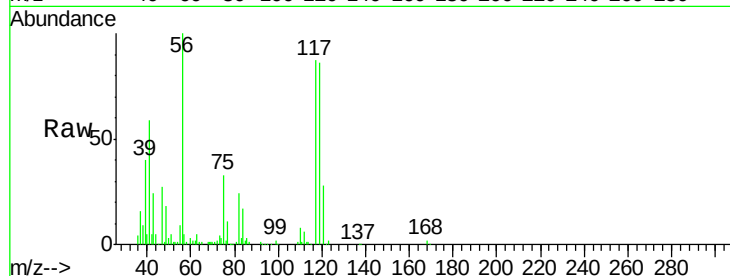
Tot Ion:117 Resp: 48082

Ion Ratio Lower Upper

117 100

119 98.8 79.8 119.8

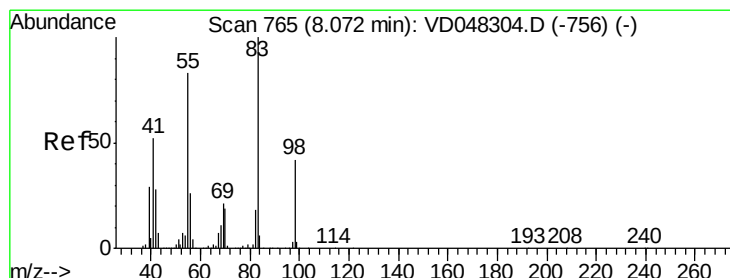
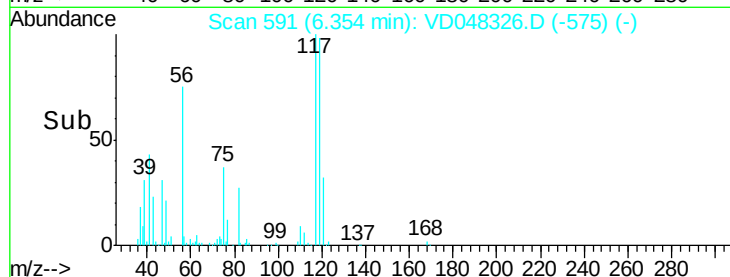
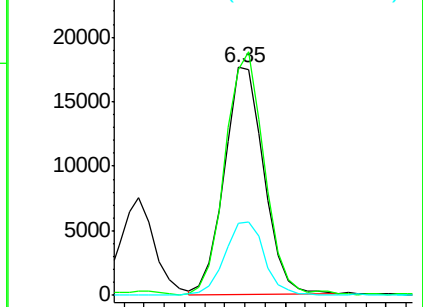
121 31.9 24.2 36.2



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: 18.83 ug/l

RT: 8.03 min Scan# 761

Delta R.T. -0.04 min

Lab File: VD048326.D

Acq: 6 Jan 2016 17:05

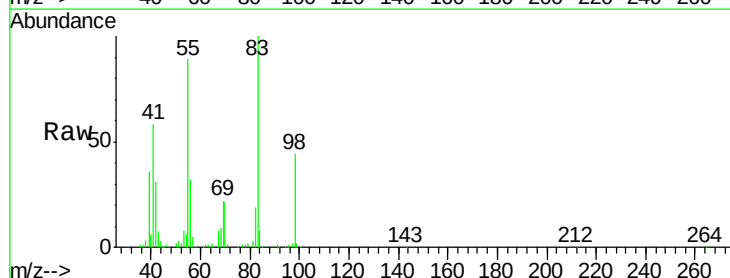
Tgt Ion: 83 Resp: 62224

Ion Ratio Lower Upper

83 100

55 88.8 72.0 108.0

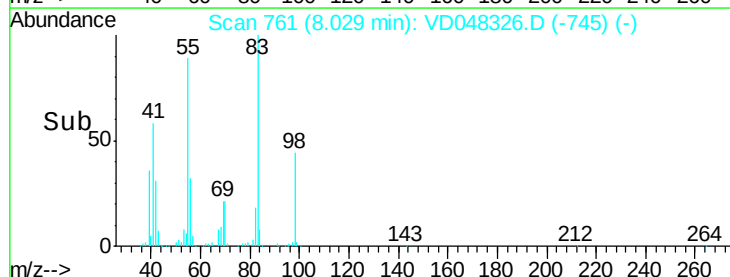
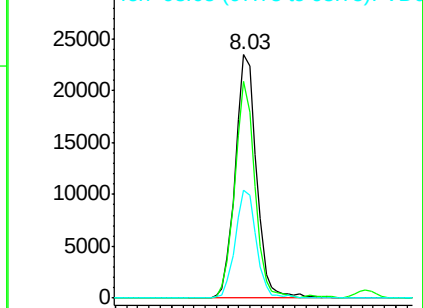
98 44.2 35.3 52.9

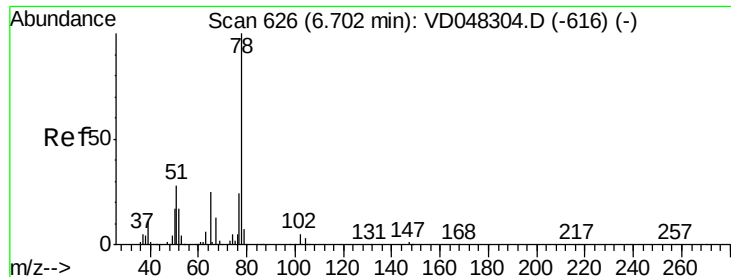


Abundance Ion 83.05 (82.75 to 83.75): V

Ion 55.00 (54.70 to 55.70): V

Ion 98.05 (97.75 to 98.75): V





#39

Benzene

Concen: 19.23 ug/l

RT: 6.67 min Scan# 623

Delta R.T. -0.03 min

Lab File: VD048326.D

Acq: 6 Jan 2016 17:05

Instrument :

BNA_F

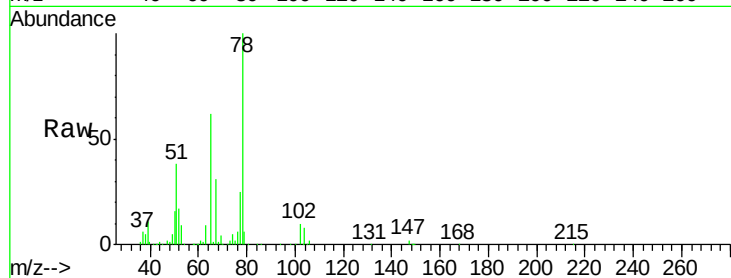
ClientSampleId :

Tot Ion: 78 Resp: 157468

Ion Ratio Lower Upper

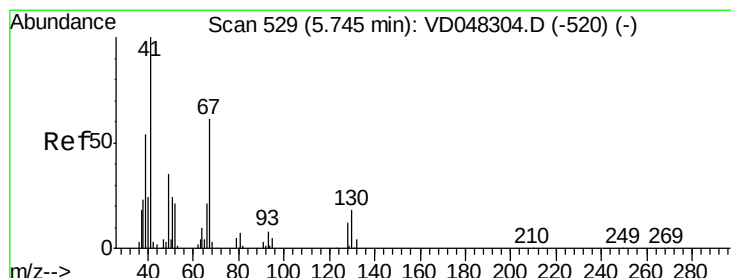
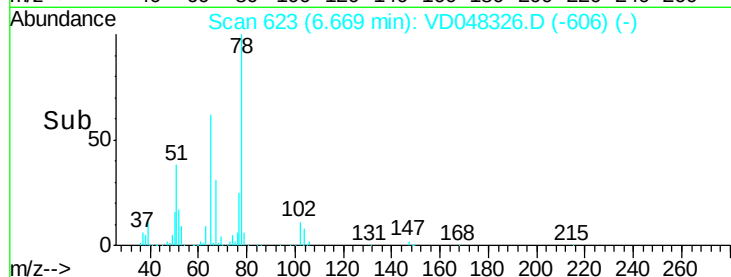
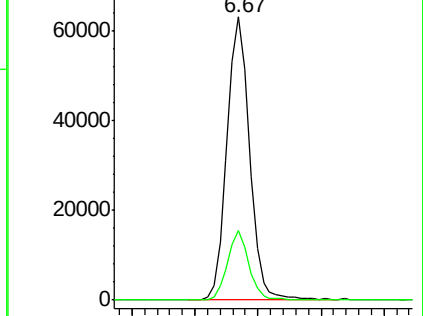
78 100

77 24.6 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: 22.83 ug/l

RT: 5.71 min Scan# 526

Delta R.T. -0.03 min

Lab File: VD048326.D

Acq: 6 Jan 2016 17:05

Tgt Ion: 41 Resp: 18157

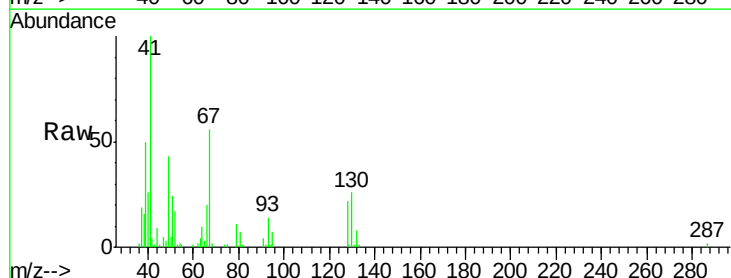
Ion Ratio Lower Upper

41 100

39 50.5 41.2 61.8

67 56.0 47.0 70.6

52 17.1 18.9 28.3#

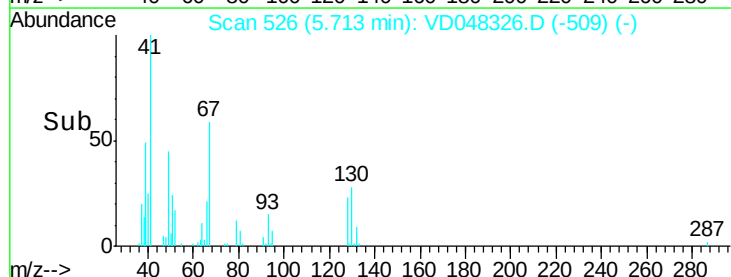
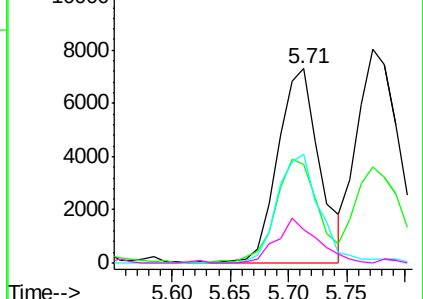


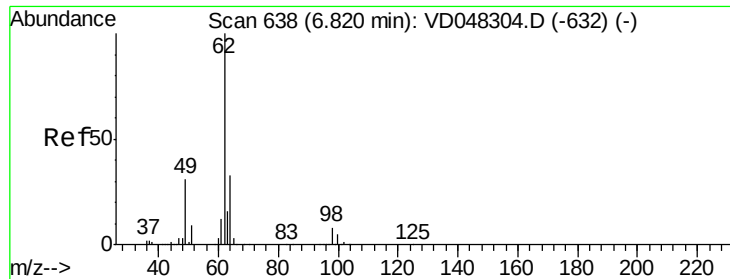
Abundance Ion 40.95 (40.65 to 41.65): VDC

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

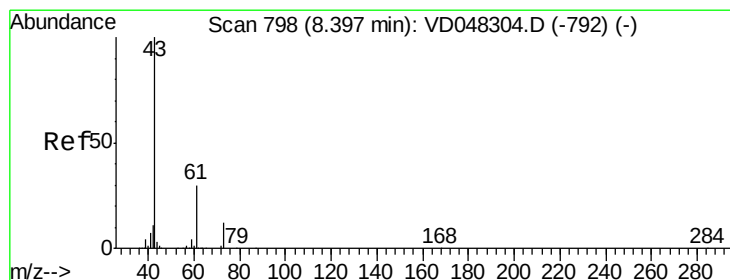
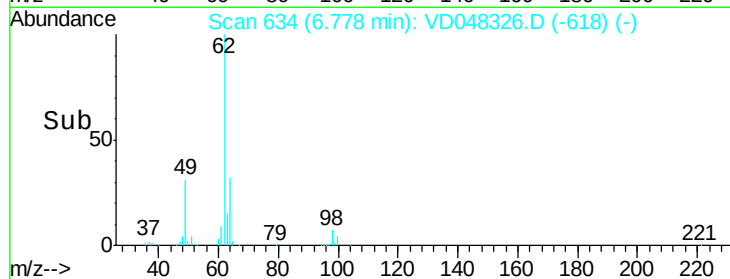
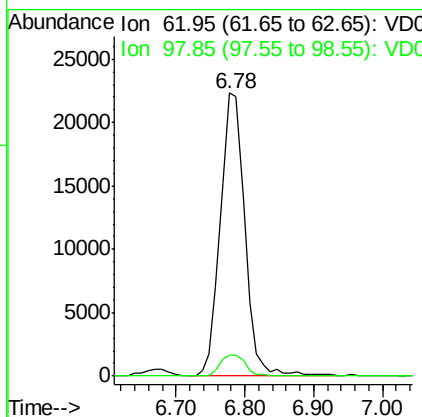
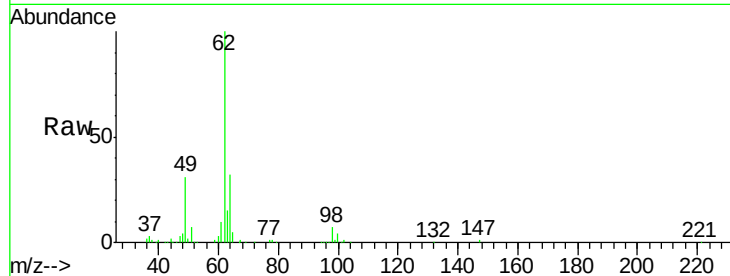




#41
 1,2-Dichloroethane
 Concen: 21.50 ug/l
 RT: 6.78 min Scan# 634
 Delta R.T. -0.04 min
 Lab File: VD048326.D
 Acq: 6 Jan 2016 17:05

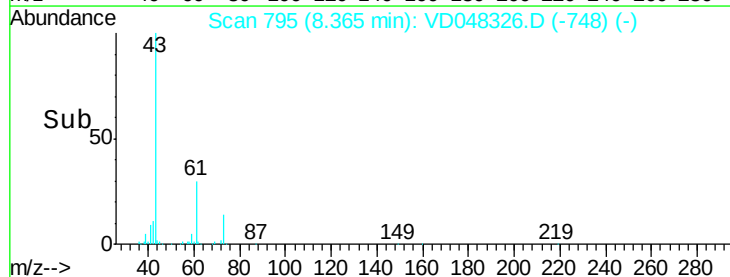
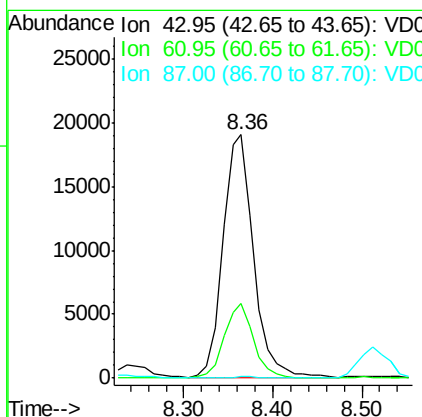
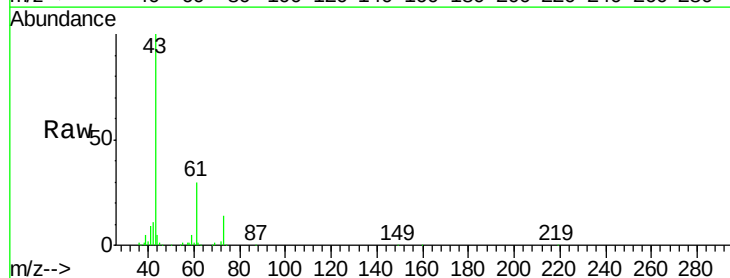
Instrument :
 BNA_F
 ClientSampleId :

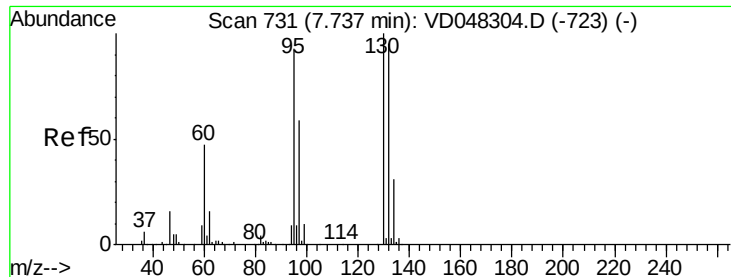
Tot Ion: 62 Resp: 55294
 Ion Ratio Lower Upper
 62 100
 98 7.3 0.0 14.0



#42
 Isopropyl Acetate
 Concen: 23.74 ug/l
 RT: 8.36 min Scan# 795
 Delta R.T. -0.03 min
 Lab File: VD048326.D
 Acq: 6 Jan 2016 17:05

Tgt Ion: 43 Resp: 45769
 Ion Ratio Lower Upper
 43 100
 61 30.5 23.8 35.8
 87 0.5 0.3 0.5





#43

Trichloroethene

Concen: 18.95 ug/l

RT: 7.70 min Scan# 728

Delta R.T. -0.03 min

Lab File: VD048326.D

Acq: 6 Jan 2016 17:05

Instrument :

BNA_F

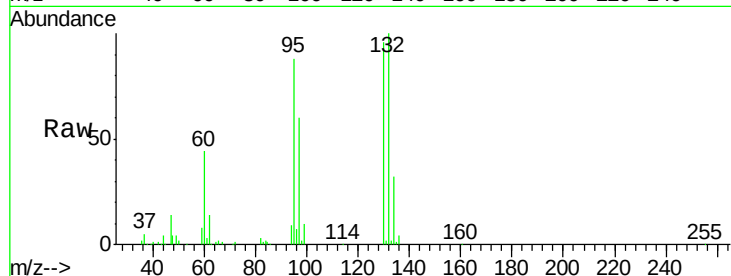
ClientSampleId :

Tot Ion:130 Resp: 43723

Ion Ratio Lower Upper

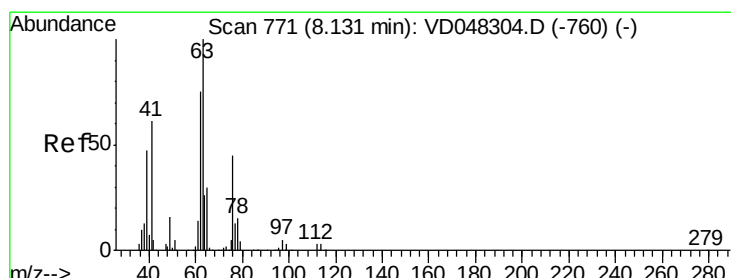
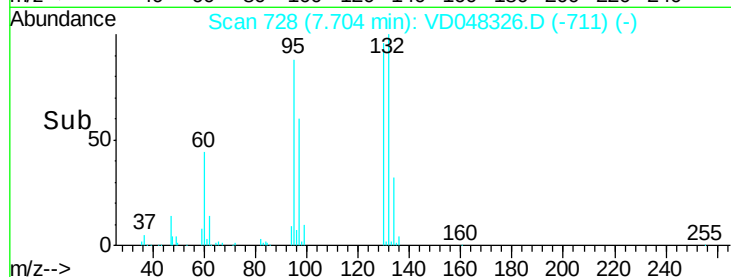
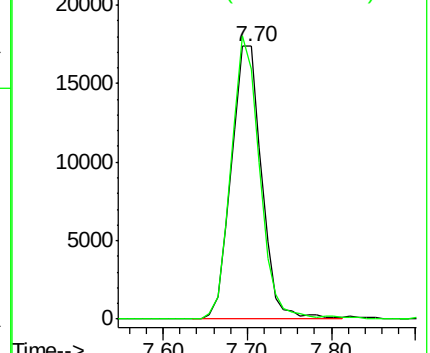
130 100

95 91.7 0.0 190.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC



#44

1,2-Dichloropropane

Concen: 19.76 ug/l

RT: 8.10 min Scan# 768

Delta R.T. -0.03 min

Lab File: VD048326.D

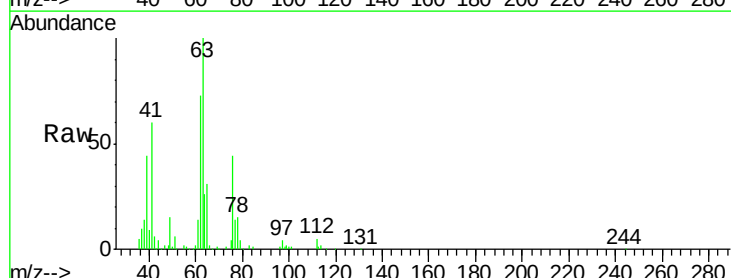
Acq: 6 Jan 2016 17:05

Tgt Ion: 63 Resp: 44881

Ion Ratio Lower Upper

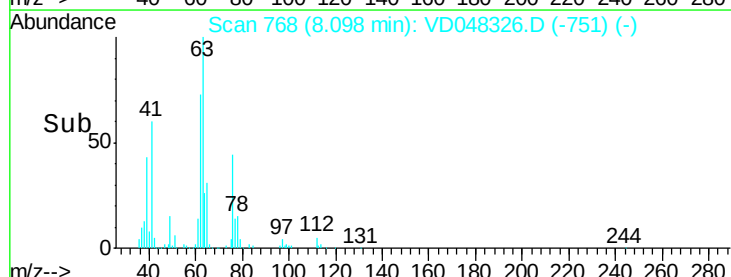
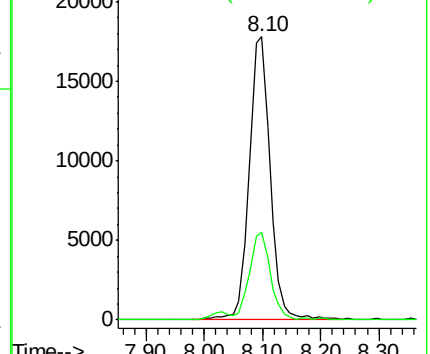
63 100

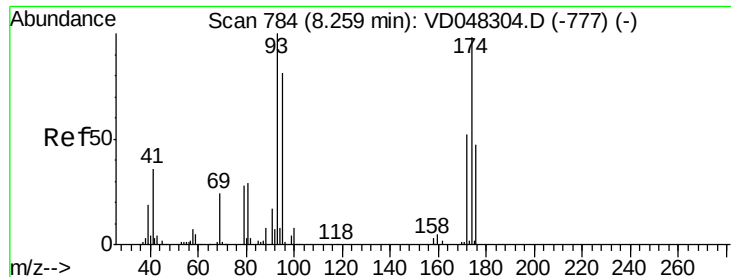
65 31.0 23.7 35.5



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC





#45

Dibromomethane

Concen: 20.85 ug/l

RT: 8.22 min Scan# 780

Delta R.T. -0.04 min

Lab File: VD048326.D

Acq: 6 Jan 2016 17:05

Instrument :

BNA_F

ClientSampled :

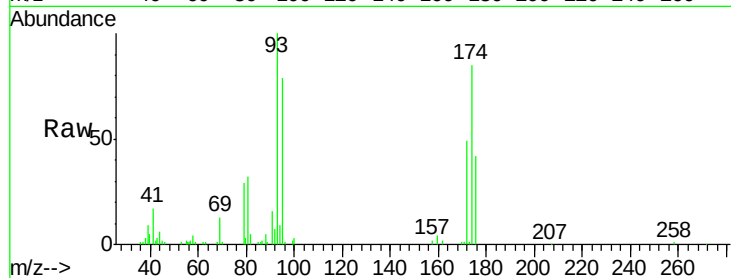
Tot Ion: 93 Resp: 25803

Ion Ratio Lower Upper

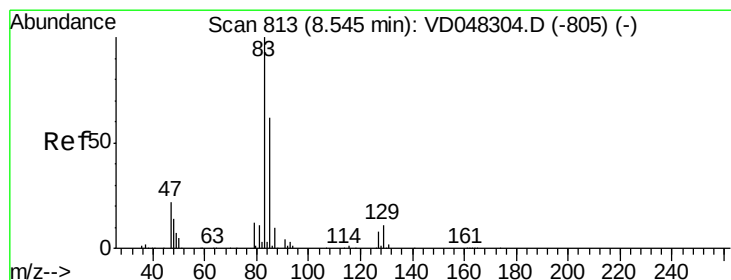
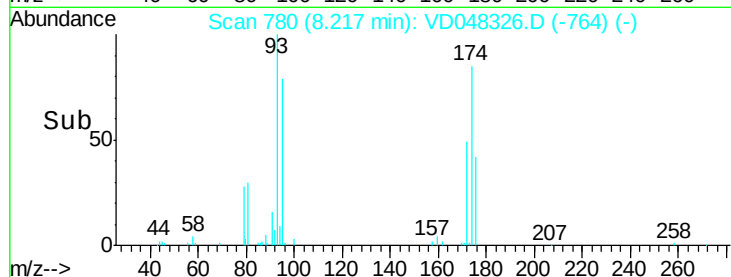
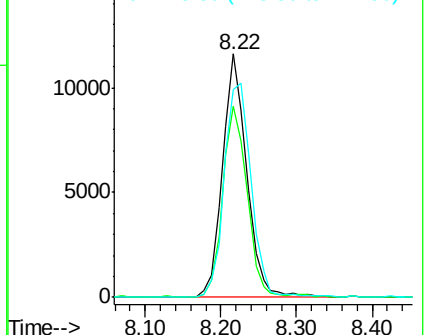
93 100

95 78.5 64.4 96.6

174 85.1 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: 18.98 ug/l

RT: 8.51 min Scan# 810

Delta R.T. -0.03 min

Lab File: VD048326.D

Acq: 6 Jan 2016 17:05

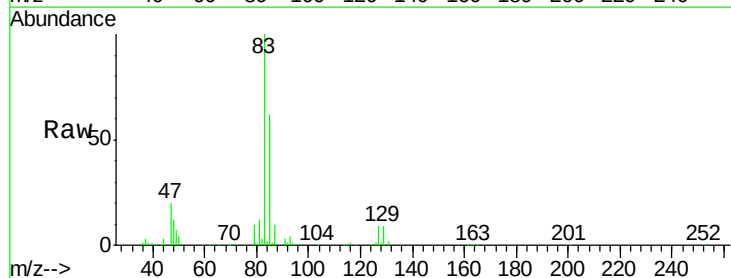
Tgt Ion: 83 Resp: 56072

Ion Ratio Lower Upper

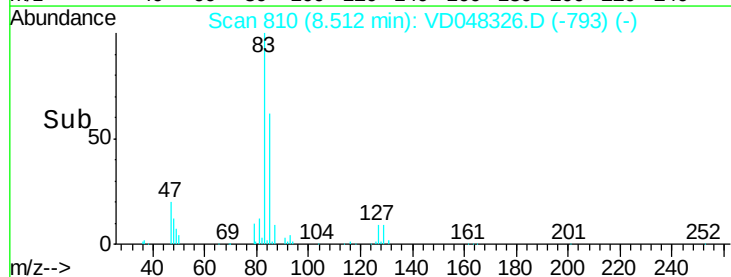
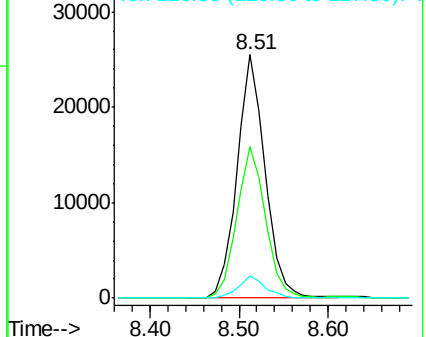
83 100

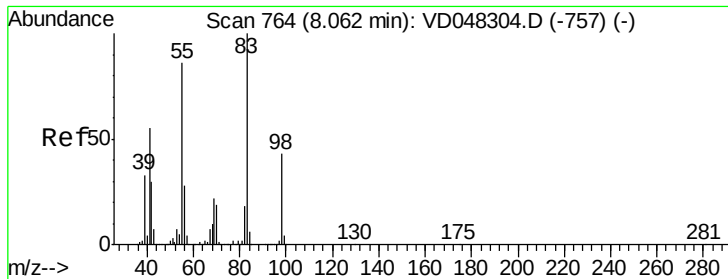
85 62.5 48.7 73.1

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: 17.30 ug/l

RT: 8.03 min Scan# 761

Delta R.T. -0.03 min

Lab File: VD048326.D

Acq: 6 Jan 2016 17:05

Instrument :

BNA_F

ClientSampleId :

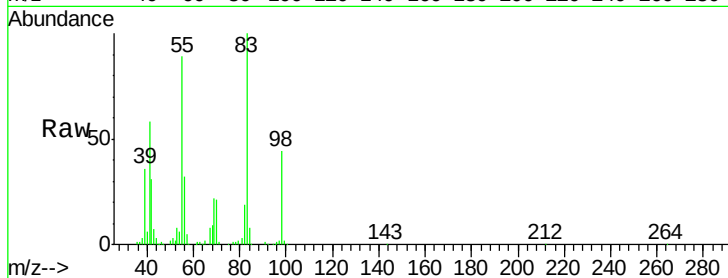
Tot Ion: 41 Resp: 31774

Ion Ratio Lower Upper

41 100

69 36.9 34.6 52.0

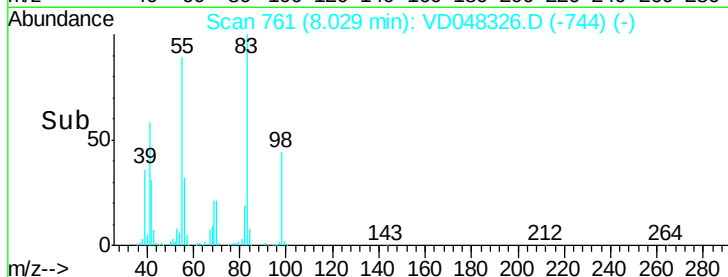
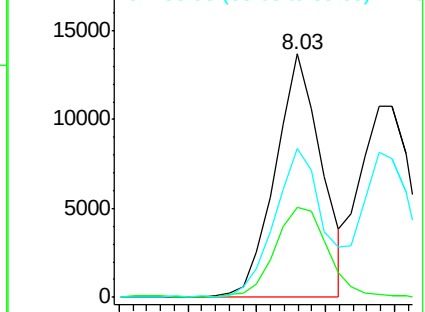
39 61.2 45.6 68.4



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: 495.08 ug/l

RT: 8.25 min Scan# 783

Delta R.T. -0.03 min

Lab File: VD048326.D

Acq: 6 Jan 2016 17:05

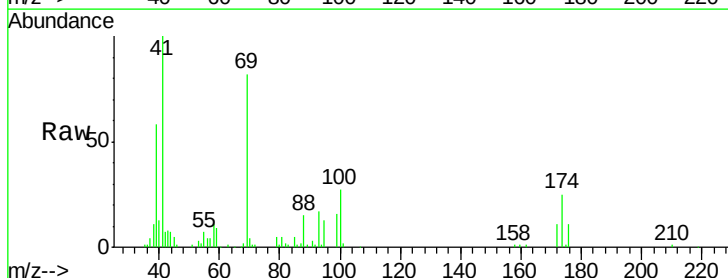
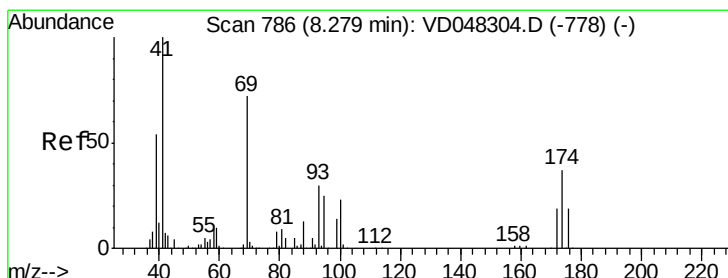
Tgt Ion: 88 Resp: 5513

Ion Ratio Lower Upper

88 100

43 51.2 42.7 64.1

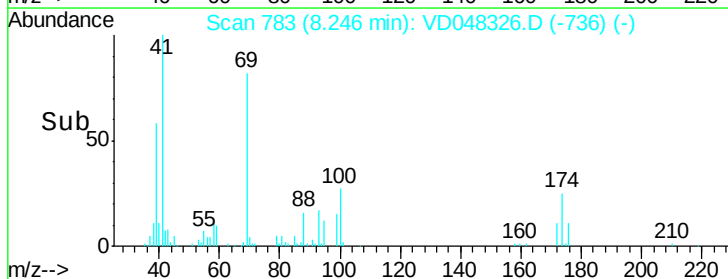
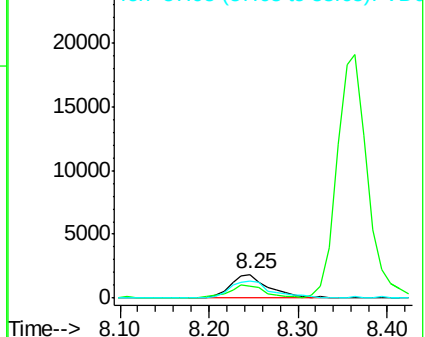
58 70.0 63.9 95.9

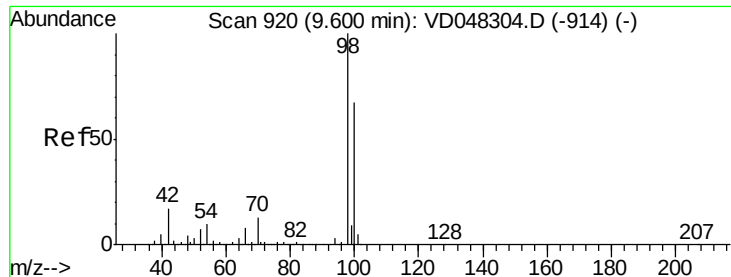


Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC





#49

Toluene-d8

Concen: 495.08 ug/l

RT: 9.57 min Scan# 917

Delta R.T. -0.03 min

Lab File: VD048326.D

Acq: 6 Jan 2016 17:05

Instrument :

BNA_F

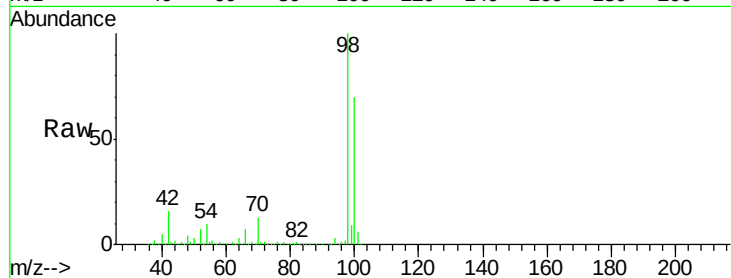
ClientSampled :

Tot Ion: 98 Resp: 299293

Ion Ratio Lower Upper

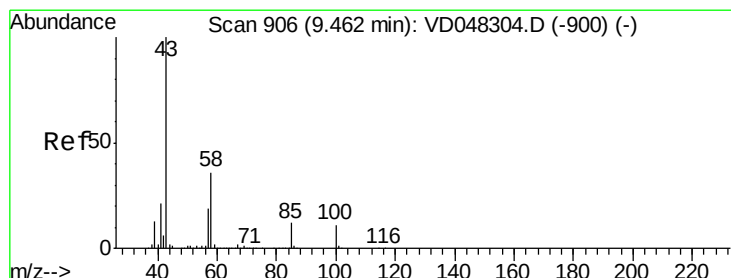
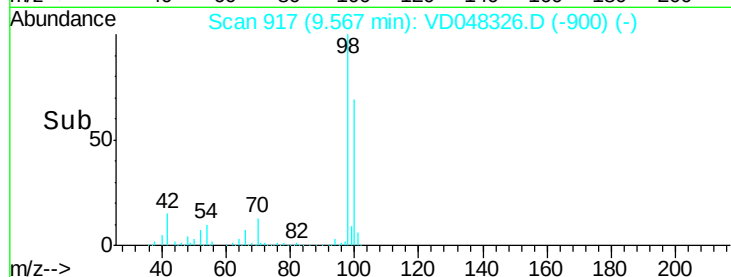
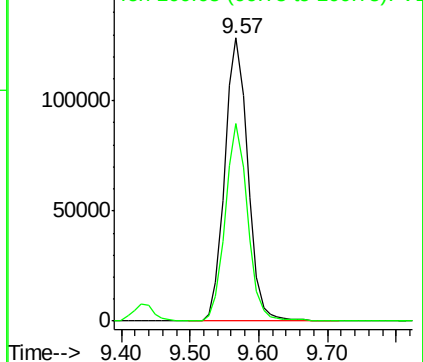
98 100

100 69.8 55.8 83.6



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC



#50

4-Methyl-2-Pentanone

Concen: 127.43 ug/l

RT: 9.43 min Scan# 903

Delta R.T. -0.03 min

Lab File: VD048326.D

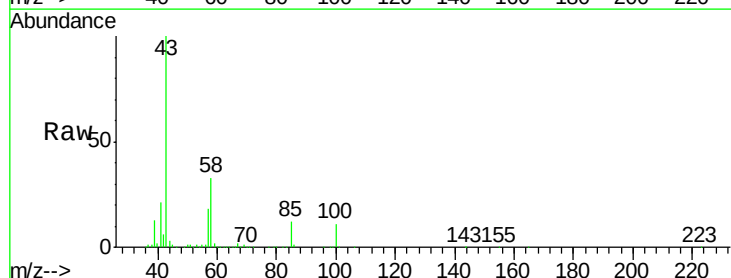
Acq: 6 Jan 2016 17:05

Tgt Ion: 43 Resp: 163324

Ion Ratio Lower Upper

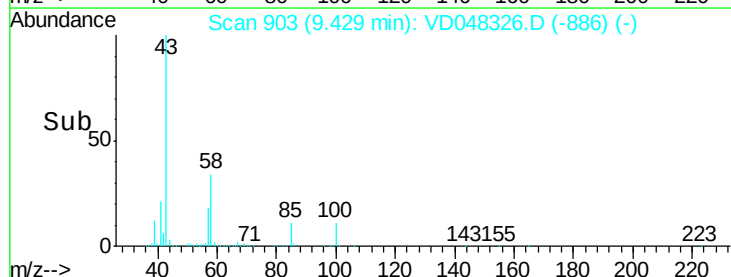
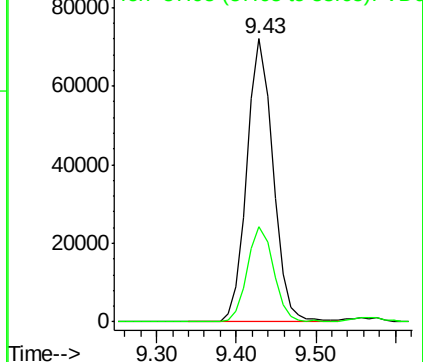
43 100

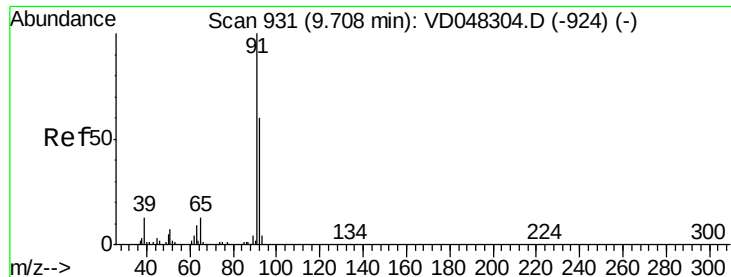
58 33.5 28.5 42.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#51

Toluene

Concen: 19.92 ug/l

RT: 9.67 min Scan# 927

Delta R.T. -0.04 min

Lab File: VD048326.D

Acq: 6 Jan 2016 17:05

Instrument :

BNA_F

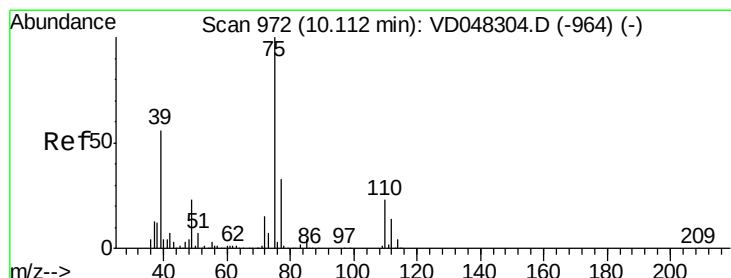
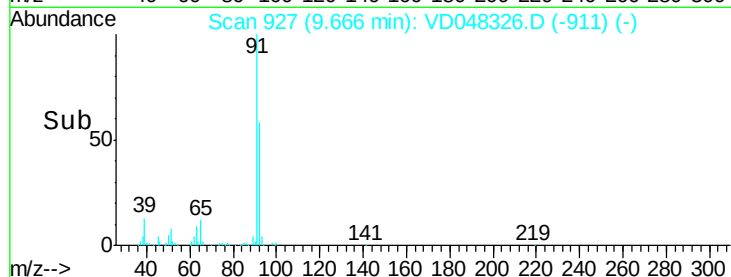
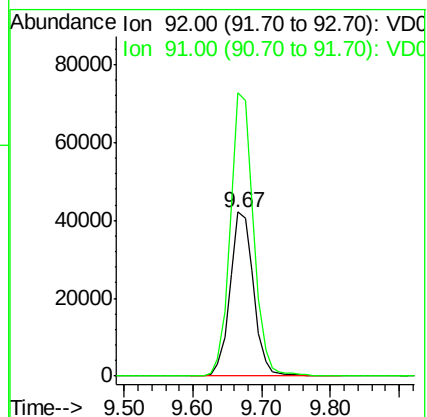
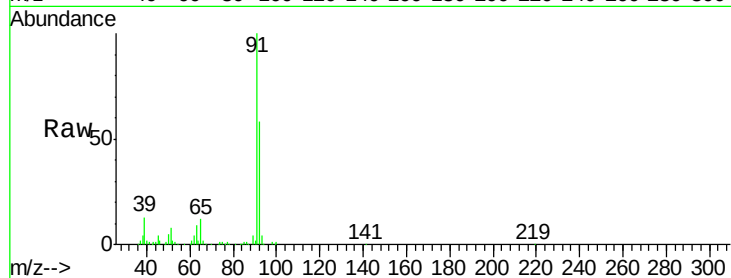
ClientSampled :

Tot Ion: 92 Resp: 99497

Ion Ratio Lower Upper

92 100

91 172.4 133.4 200.2



#52

t-1,3-Dichloropropene

Concen: 20.21 ug/l

RT: 10.07 min Scan# 968

Delta R.T. -0.04 min

Lab File: VD048326.D

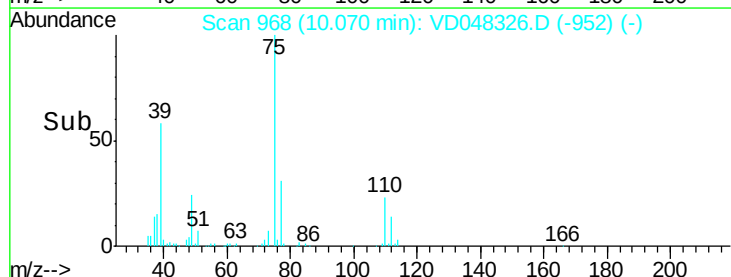
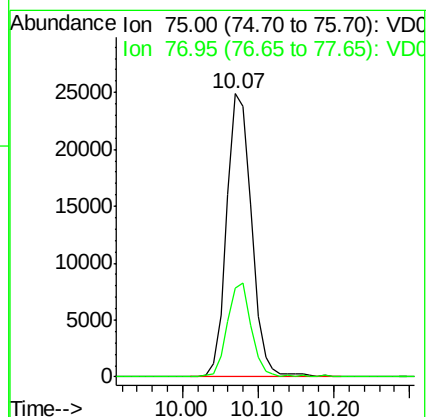
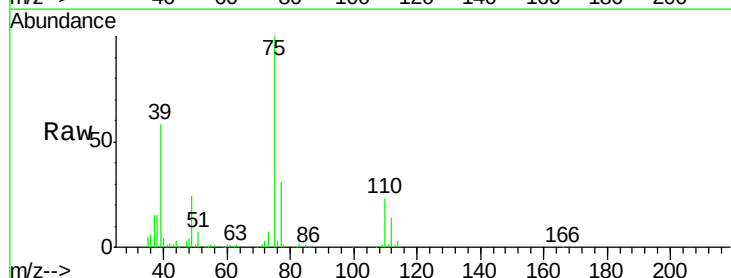
Acq: 6 Jan 2016 17:05

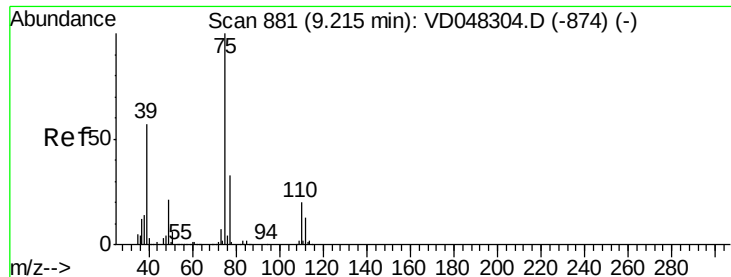
Tgt Ion: 75 Resp: 56553

Ion Ratio Lower Upper

75 100

77 31.3 26.4 39.6





#53

cis-1,3-Dichloropropene

Concen: 19.53 ug/l

RT: 9.18 min Scan# 878

Delta R.T. -0.03 min

Lab File: VD048326.D

Acq: 6 Jan 2016 17:05

Instrument :

BNA_F

ClientSampleId :

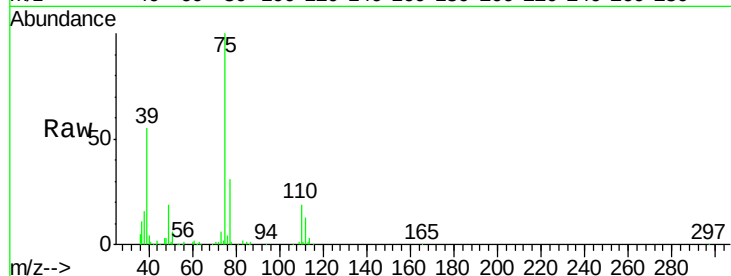
Tot Ion: 75 Resp: 68566

Ion Ratio Lower Upper

75 100

77 31.5 25.8 38.6

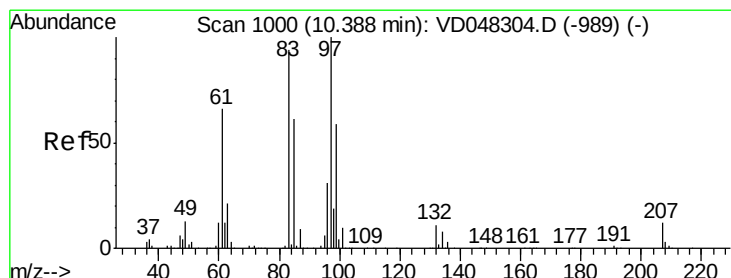
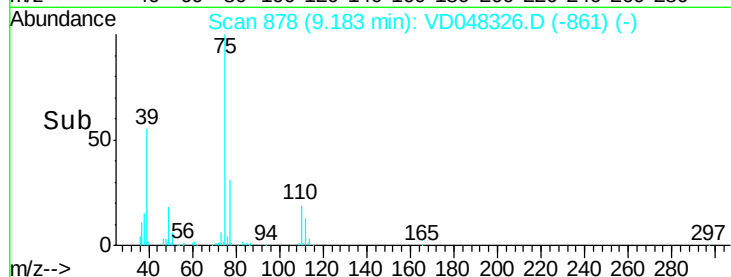
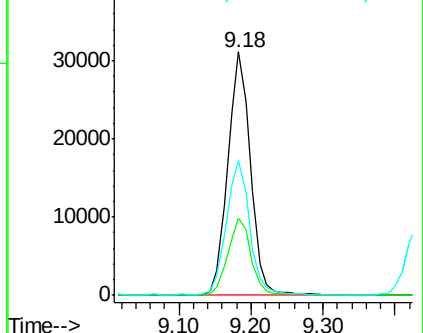
39 55.4 41.5 62.3



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: 21.68 ug/l

RT: 10.36 min Scan# 997

Delta R.T. -0.03 min

Lab File: VD048326.D

Acq: 6 Jan 2016 17:05

Tgt Ion: 97 Resp: 33834

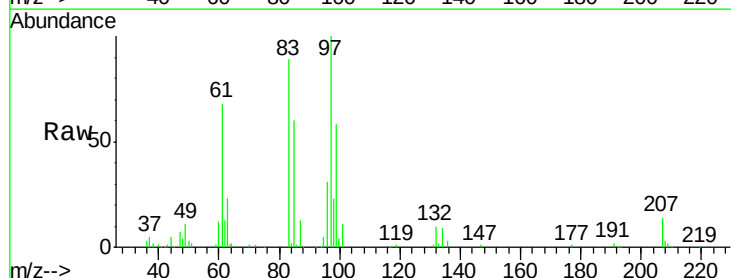
Ion Ratio Lower Upper

97 100

83 89.3 78.2 117.2

85 59.5 48.1 72.1

99 58.1 50.0 75.0

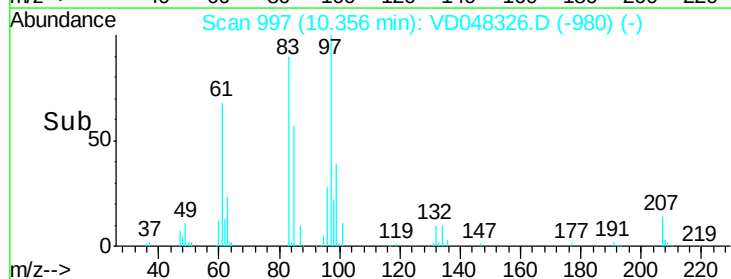
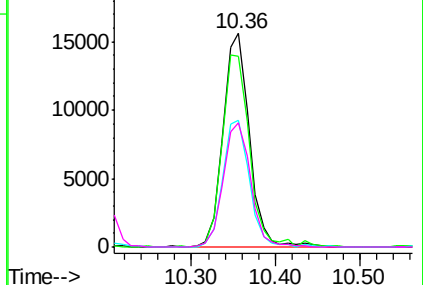


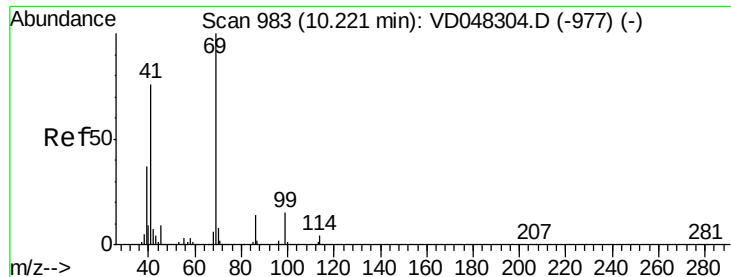
Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 23.42 ug/l

RT: 10.20 min Scan# 981

Delta R.T. -0.02 min

Lab File: VD048326.D

Acq: 6 Jan 2016 17:05

Instrument :

BNA_F

ClientSampleId :

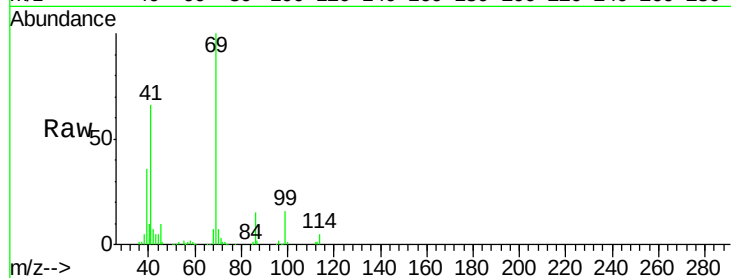
Tot Ion: 69 Resp: 44181

Ion Ratio Lower Upper

69 100

41 65.8 55.3 82.9

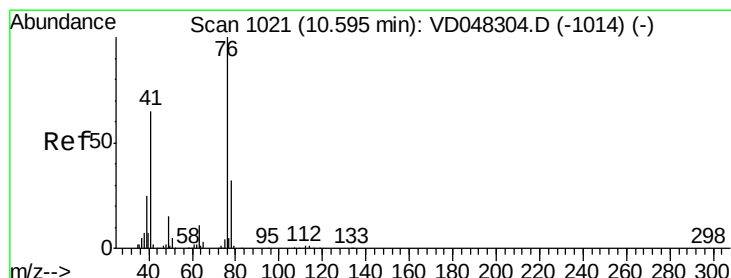
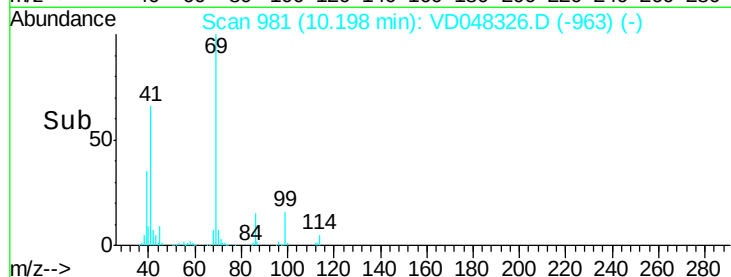
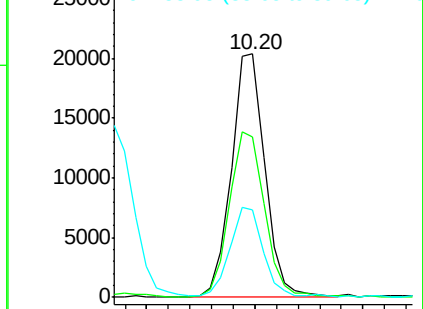
39 35.7 29.4 44.2



Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC



#56

1,3-Dichloropropane

Concen: 21.63 ug/l

RT: 10.56 min Scan# 1018

Delta R.T. -0.03 min

Lab File: VD048326.D

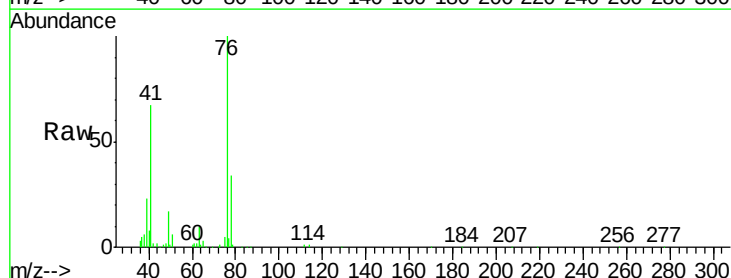
Acq: 6 Jan 2016 17:05

Tgt Ion: 76 Resp: 67289

Ion Ratio Lower Upper

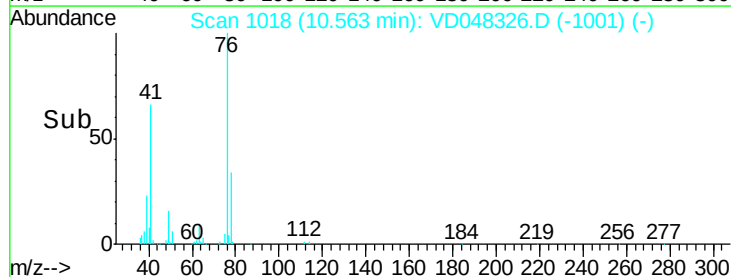
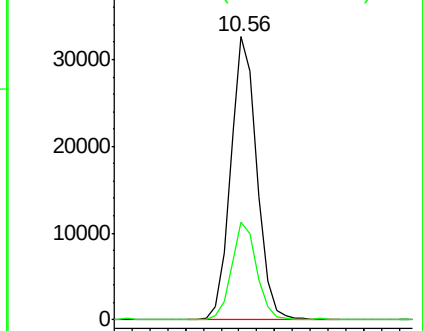
76 100

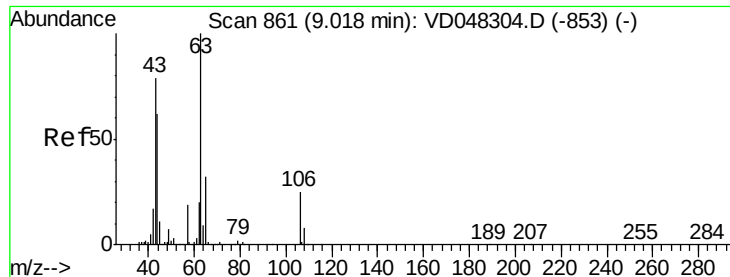
78 34.4 25.8 38.8



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

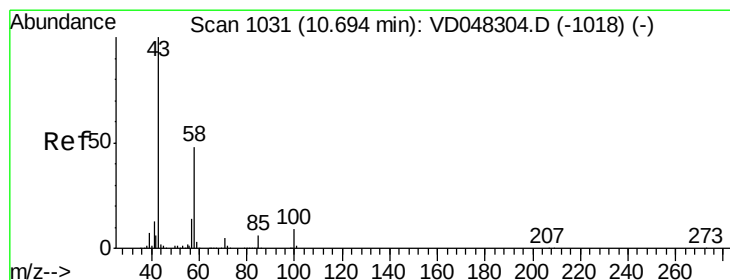
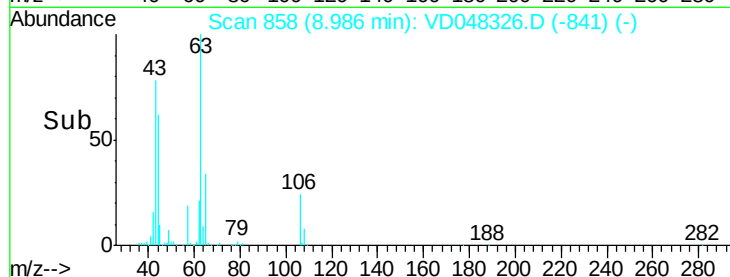
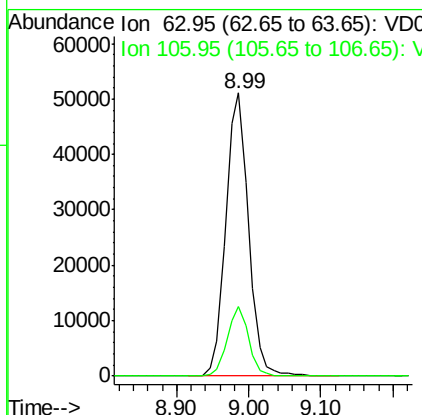
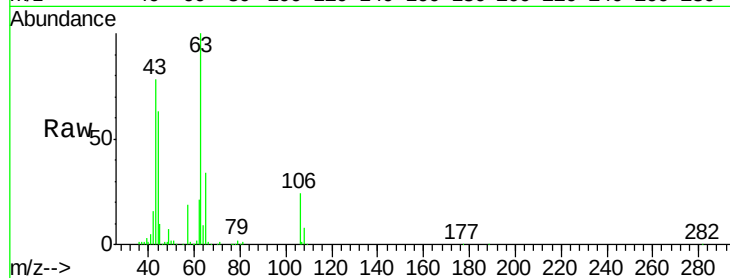




#57
2-Chloroethyl Vinyl ether
Concen: 100.80 ug/l
RT: 8.99 min Scan# 858
Delta R.T. -0.03 min
Lab File: VD048326.D
Acq: 6 Jan 2016 17:05

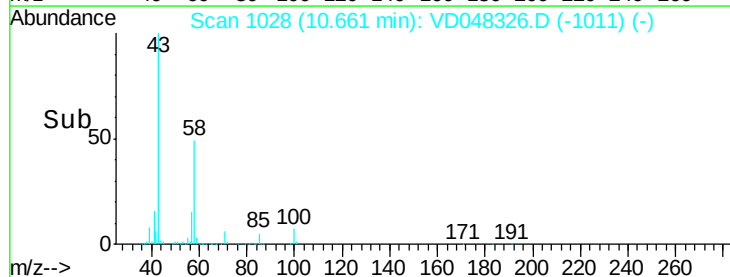
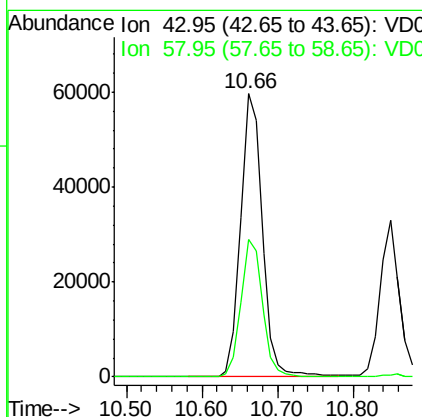
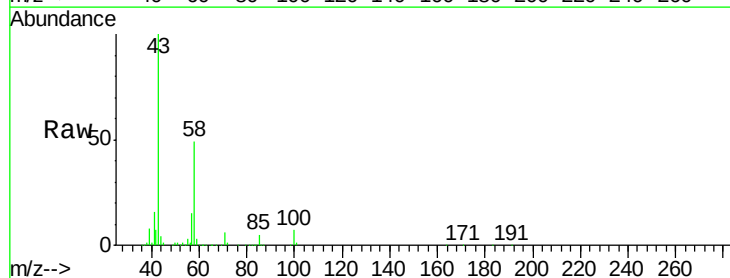
Instrument :
BNA_F
ClientSampled :

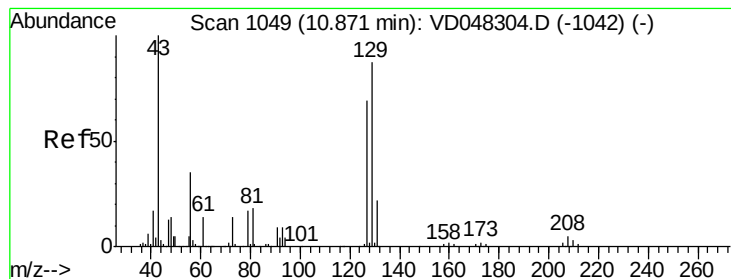
Tot Ion: 63 Resp: 112034
Ion Ratio Lower Upper
63 100
106 24.4 18.7 28.1



#58
2-Hexanone
Concen: 132.23 ug/l
RT: 10.66 min Scan# 1028
Delta R.T. -0.03 min
Lab File: VD048326.D
Acq: 6 Jan 2016 17:05

Tgt Ion: 43 Resp: 118469
Ion Ratio Lower Upper
43 100
58 48.8 24.4 73.2





#59

Dibromochloromethane

Concen: 19.68 ug/l

RT: 10.84 min Scan# 1046

Delta R.T. -0.03 min

Lab File: VD048326.D

Acq: 6 Jan 2016 17:05

Instrument :

BNA_F

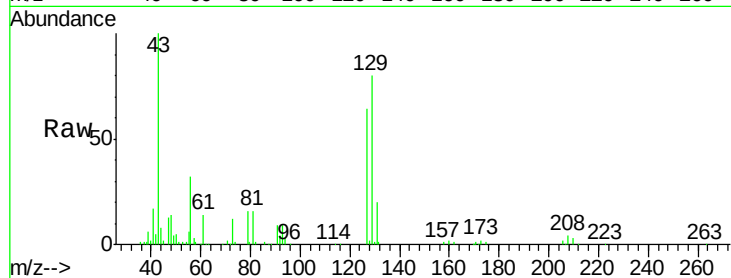
ClientSampleId :

Tot Ion:129 Resp: 40695

Ion Ratio Lower Upper

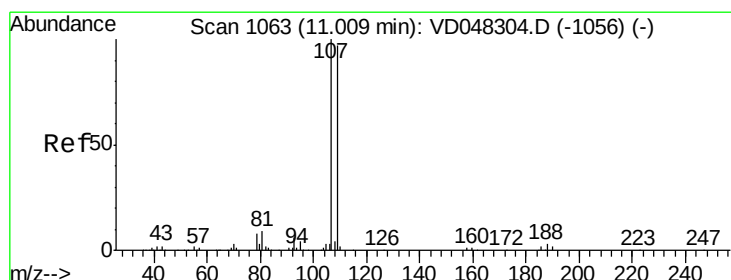
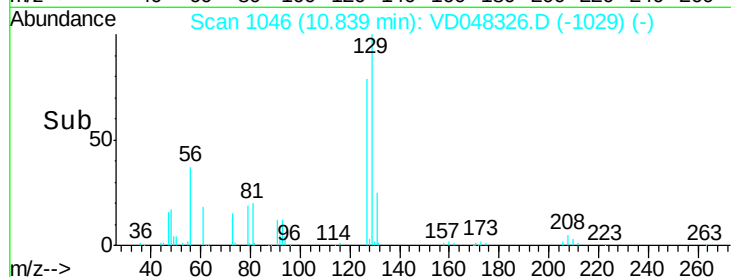
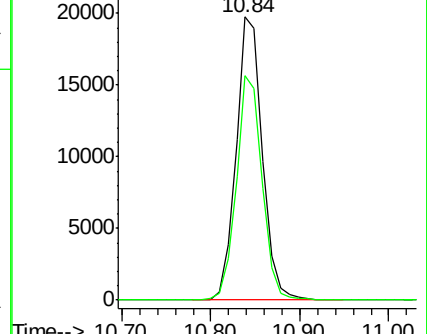
129 100

127 79.4 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: 21.87 ug/l

RT: 10.98 min Scan# 1060

Delta R.T. -0.03 min

Lab File: VD048326.D

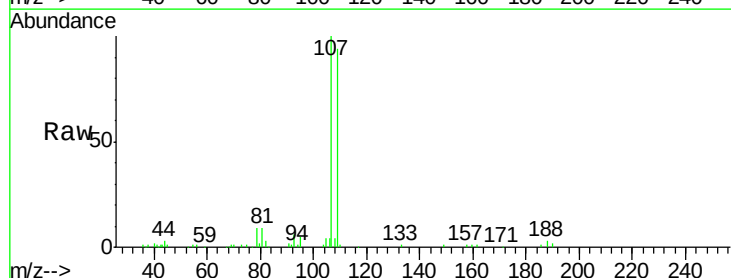
Acq: 6 Jan 2016 17:05

Tgt Ion:107 Resp: 36577

Ion Ratio Lower Upper

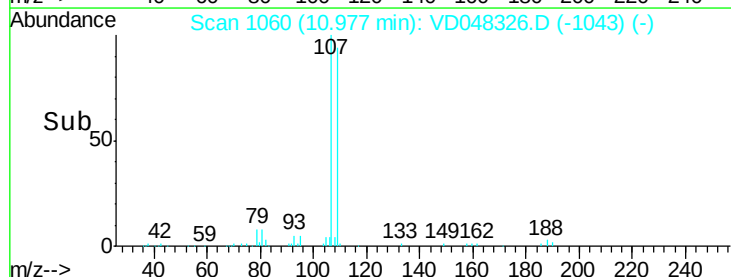
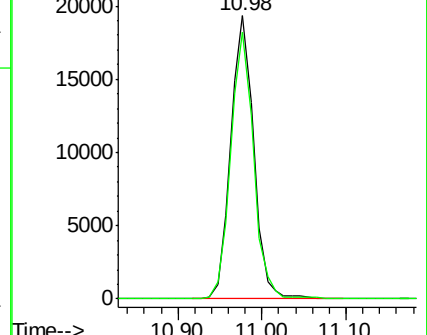
107 100

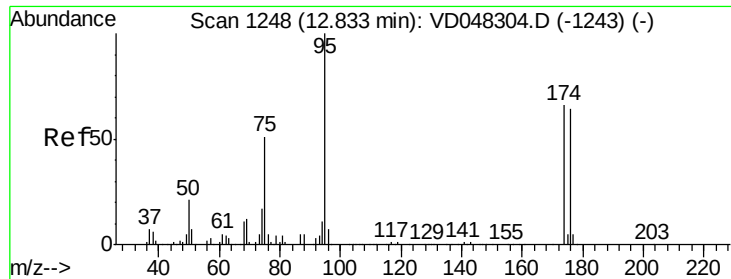
109 94.1 77.3 115.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

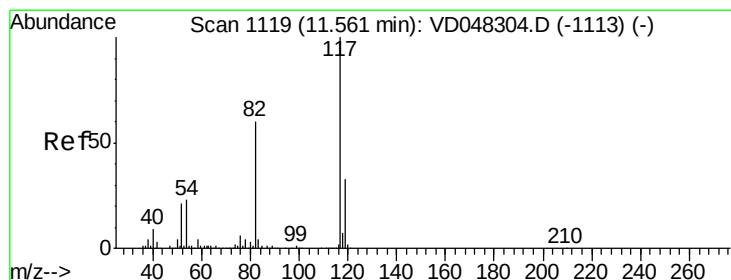
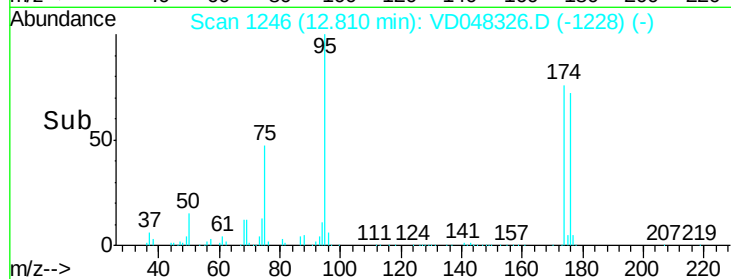
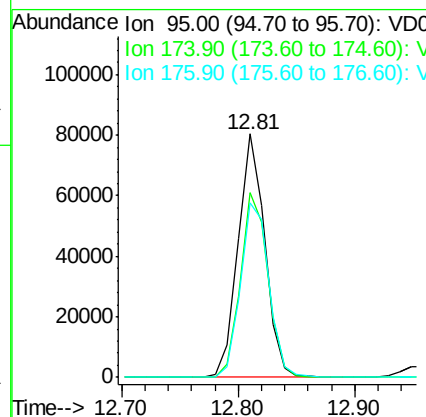
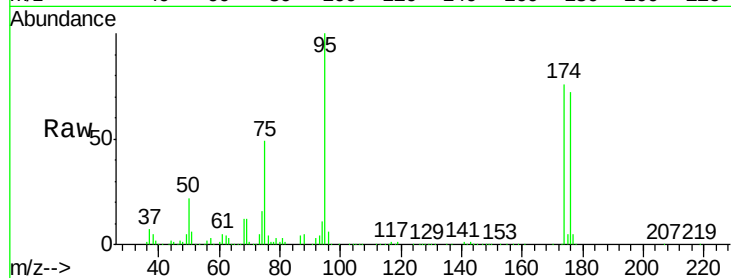




#61
4-Bromofluorobenzene
Concen: 21.87 ug/l
RT: 12.81 min Scan# 1246
Delta R.T. -0.02 min
Lab File: VD048326.D
Acq: 6 Jan 2016 17:05

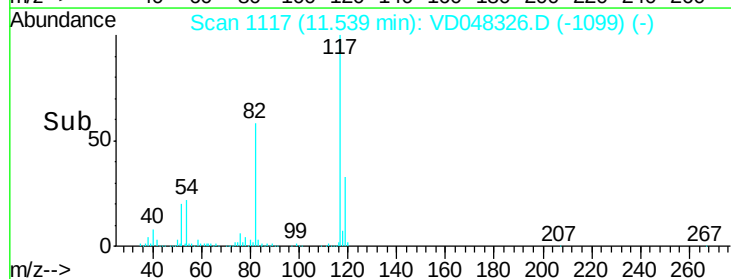
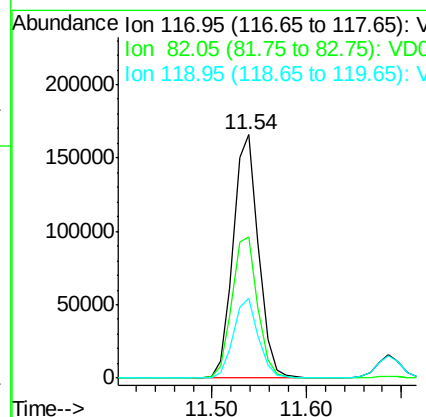
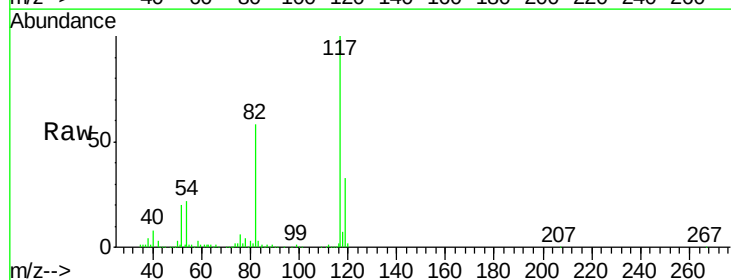
Instrument :
BNA_F
ClientSampled :

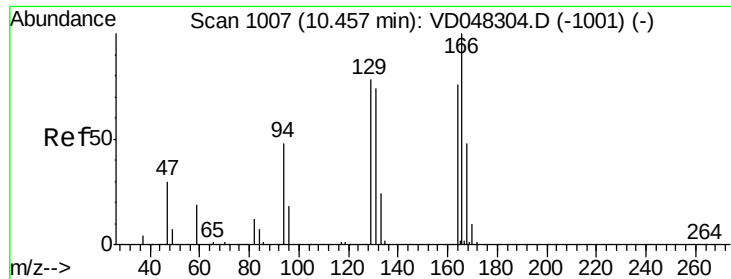
Tot Ion: 95 Resp: 128379
Ion Ratio Lower Upper
95 100
174 75.7 0.0 156.2
176 71.9 0.0 147.4



#62
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.54 min Scan# 1117
Delta R.T. -0.02 min
Lab File: VD048326.D
Acq: 6 Jan 2016 17:05

Tgt Ion: 117 Resp: 307134
Ion Ratio Lower Upper
117 100
82 58.0 46.8 70.2
119 33.0 26.1 39.1

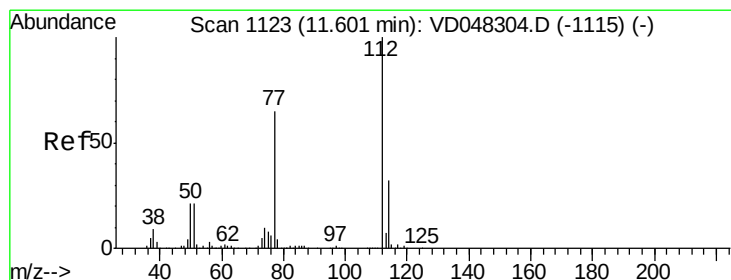
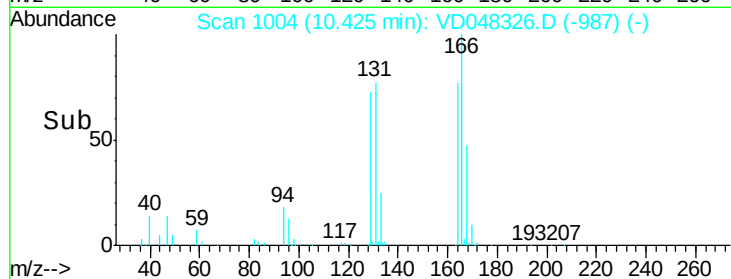
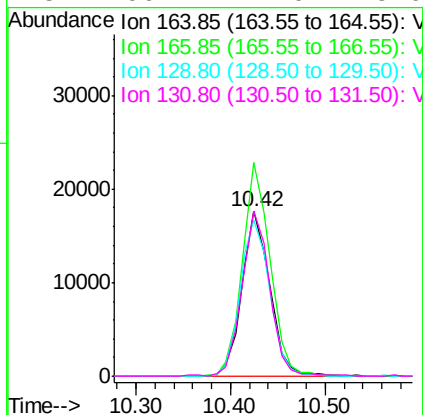
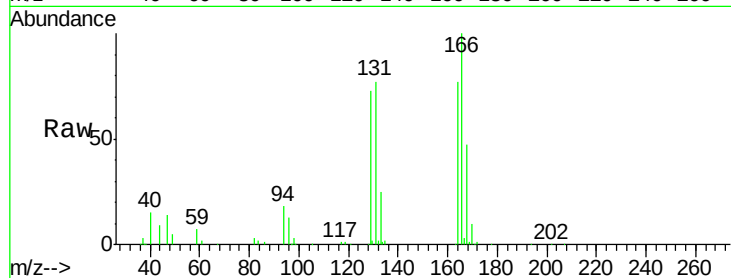




#63
Tetrachloroethene
Concen: 18.88 ug/l
RT: 10.42 min Scan# 1004
Delta R.T. -0.03 min
Lab File: VD048326.D
Acq: 6 Jan 2016 17:05

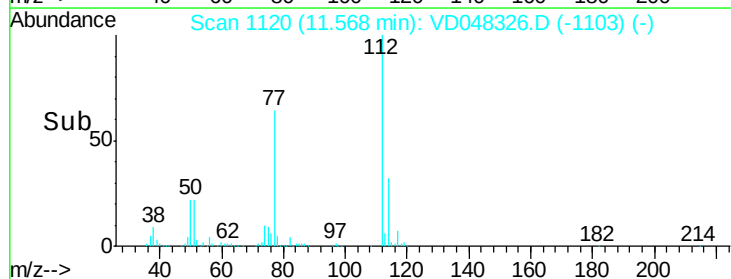
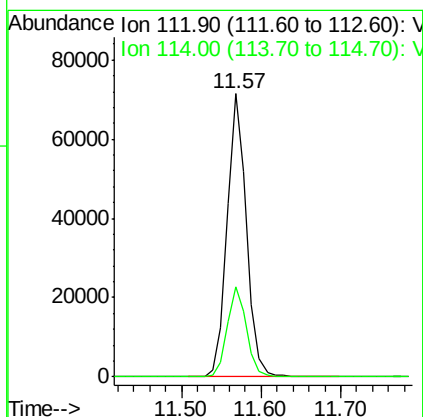
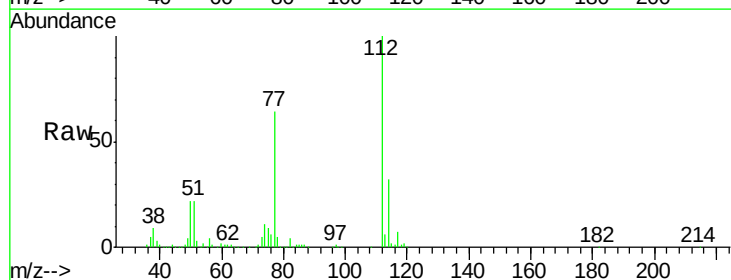
Instrument :
BNA_F
ClientSampleId :

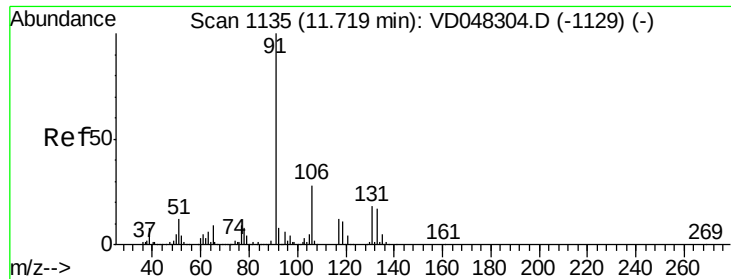
Tot Ion:164 Resp: 35929
Ion Ratio Lower Upper
164 100
166 129.8 103.9 155.9
129 94.7 78.9 118.3
131 100.2 77.0 115.6



#64
Chlorobenzene
Concen: 20.02 ug/l
RT: 11.57 min Scan# 1120
Delta R.T. -0.03 min
Lab File: VD048326.D
Acq: 6 Jan 2016 17:05

Tgt Ion:112 Resp: 122571
Ion Ratio Lower Upper
112 100
114 31.8 26.1 39.1





#65

1,1,1,2-Tetrachloroethane

Concen: 19.22 ug/l

RT: 11.69 min Scan# 1132

Delta R.T. -0.03 min

Lab File: VD048326.D

Acq: 6 Jan 2016 17:05

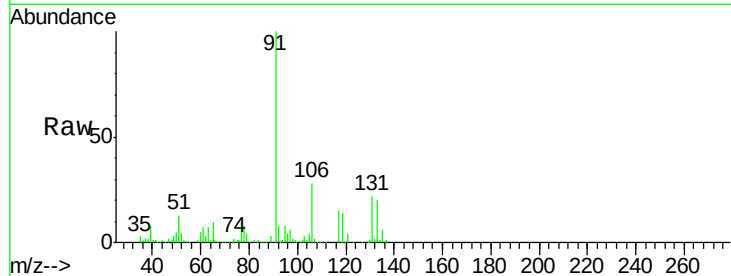
Instrument :

BNA_F

ClientSampleId :

Tot Ion:131 Resp: 41965

Ion	Ratio	Lower	Upper
131	100		
133	91.8	47.5	142.6
119	64.6	32.9	98.7

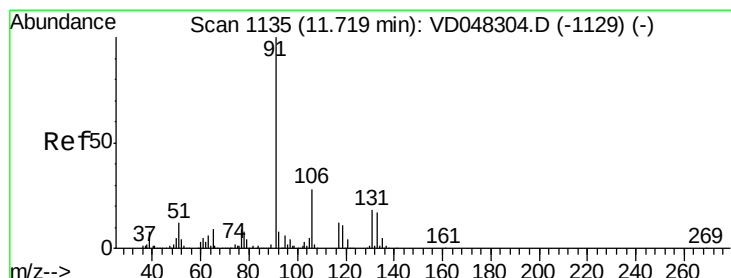
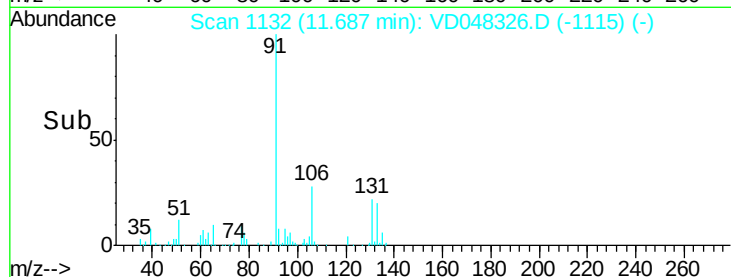
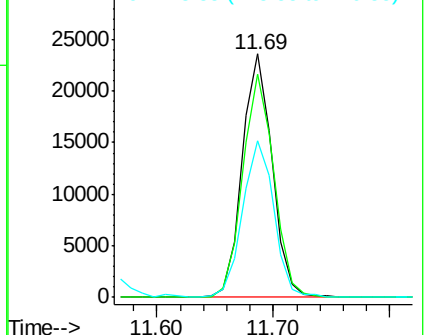


Abundance

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: 19.67 ug/l

RT: 11.70 min Scan# 1133

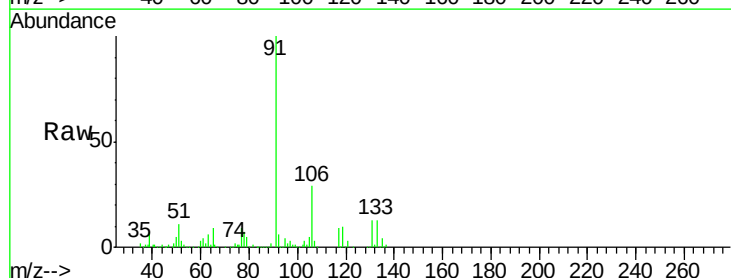
Delta R.T. -0.02 min

Lab File: VD048326.D

Acq: 6 Jan 2016 17:05

Tgt Ion: 91 Resp: 213024

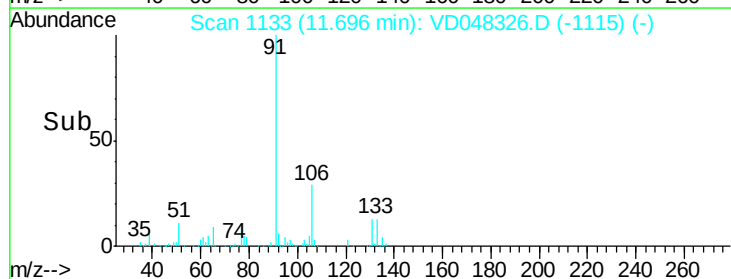
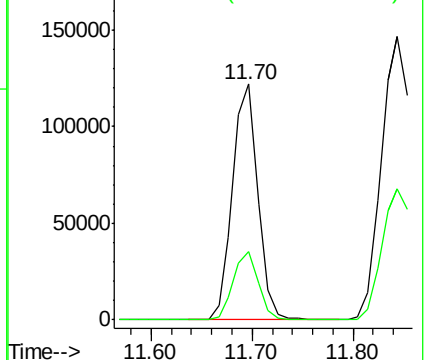
Ion	Ratio	Lower	Upper
91	100		
106	29.2	23.8	35.6

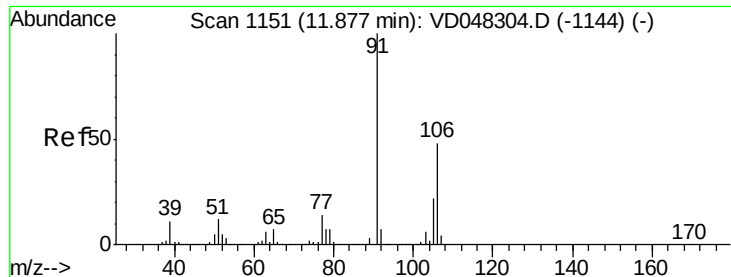


Abundance

Ion 91.00 (90.70 to 91.70): V

Ion 106.05 (105.75 to 106.75): V





#67

m/p-Xylenes

Concen: 39.10 ug/l

RT: 11.84 min Scan# 1148

Delta R.T. -0.03 min

Lab File: VD048326.D

Acq: 6 Jan 2016 17:05

Instrument :

BNA_F

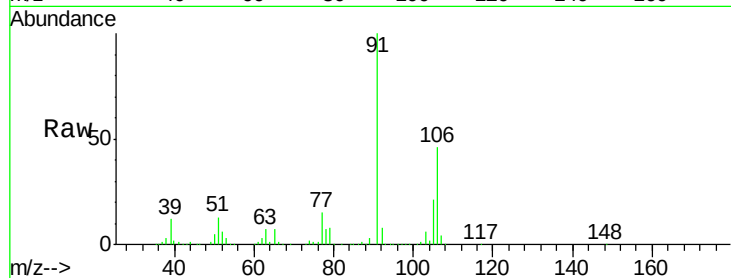
ClientSampleId :

Tot Ion:106 Resp: 149998

Ion Ratio Lower Upper

106 100

91 215.5 162.0 243.0



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): VDC

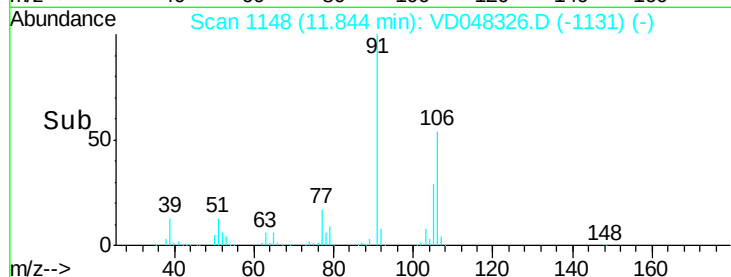
150000

100000

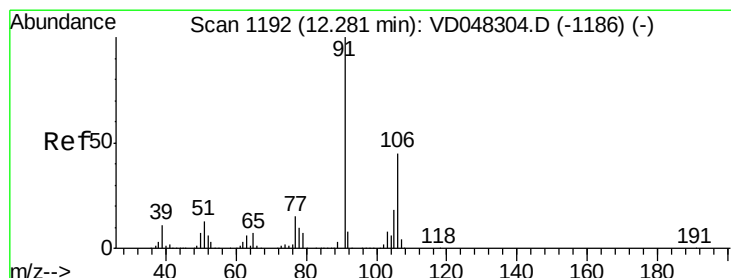
50000

0

11.70 11.80 11.90



Time--> 11.70 11.80 11.90



#68

o-Xylene

Concen: 19.98 ug/l

RT: 12.25 min Scan# 1189

Delta R.T. -0.03 min

Lab File: VD048326.D

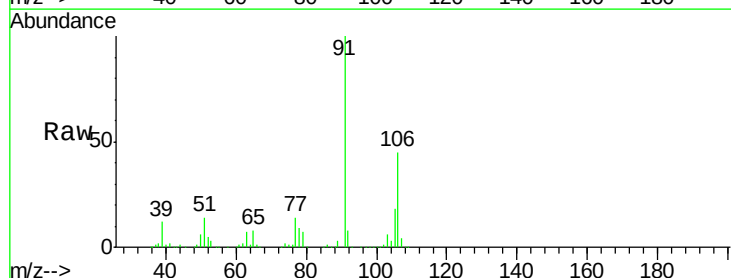
Acq: 6 Jan 2016 17:05

Tgt Ion:106 Resp: 73759

Ion Ratio Lower Upper

106 100

91 221.0 111.8 335.3



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): VDC

100000

80000

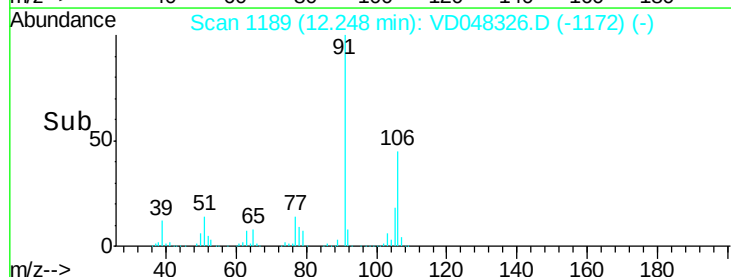
60000

40000

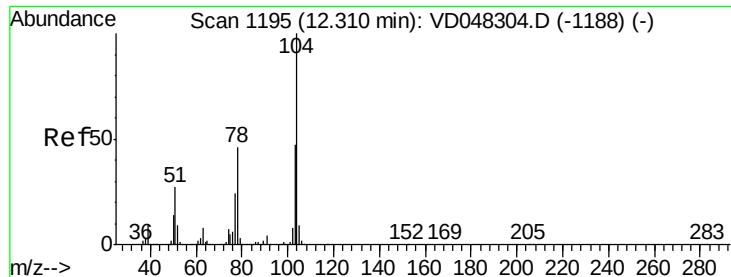
20000

0

12.20 12.30 12.40



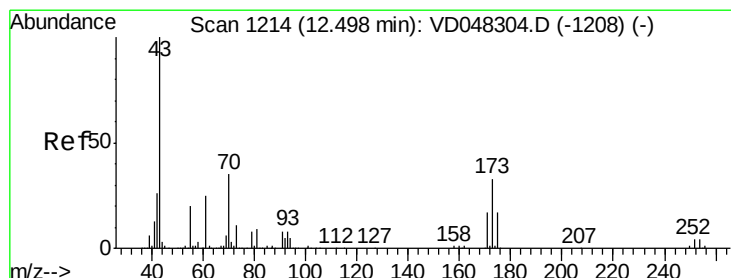
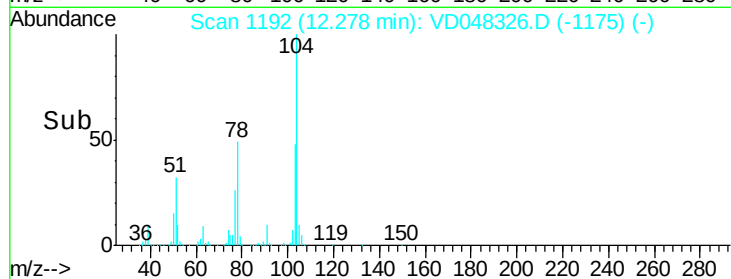
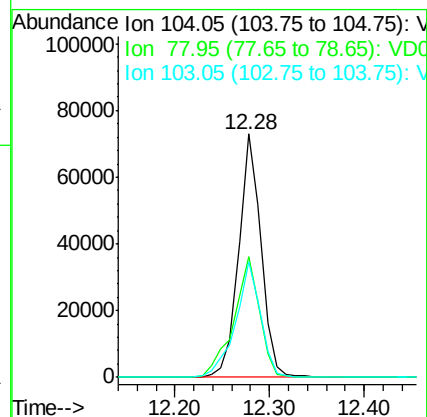
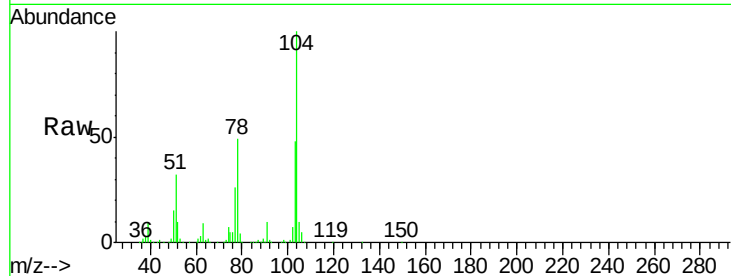
Time--> 12.20 12.30 12.40



#69
Stvrene
Concen: 20.27 ug/l
RT: 12.28 min Scan# 1192
Delta R.T. -0.03 min
Lab File: VD048326.D
Acq: 6 Jan 2016 17:05

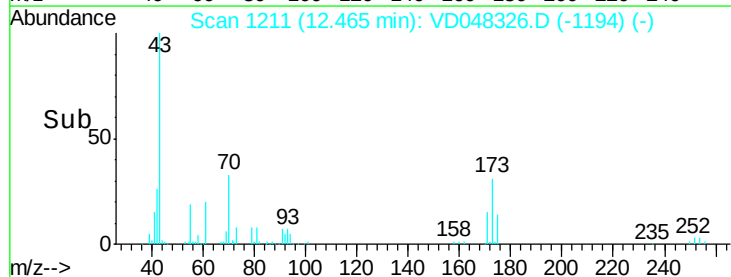
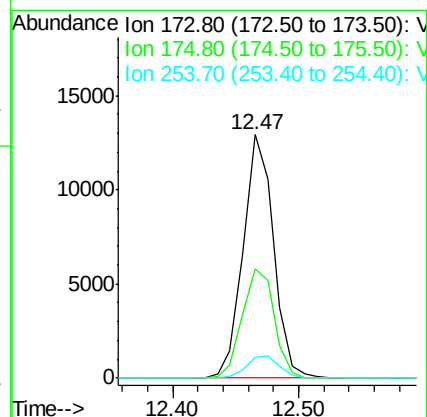
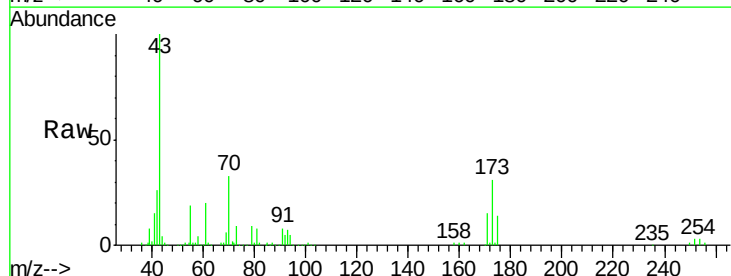
Instrument :
BNA_F
ClientSampleId :

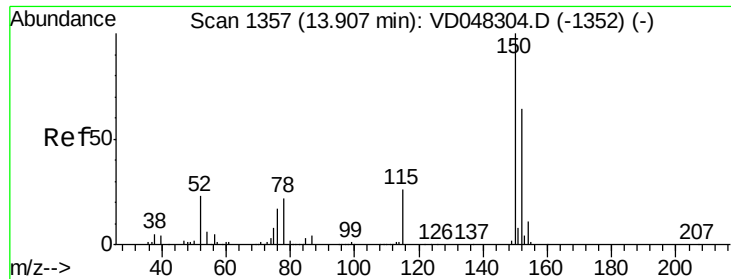
Tot Ion:104 Resp: 119689
Ion Ratio Lower Upper
104 100
78 49.4 37.5 56.3
103 47.7 37.3 55.9



#70
Bromoform
Concen: 20.09 ug/l
RT: 12.47 min Scan# 1211
Delta R.T. -0.03 min
Lab File: VD048326.D
Acq: 6 Jan 2016 17:05

Tgt Ion:173 Resp: 21503
Ion Ratio Lower Upper
173 100
175 45.1 26.0 78.0
254 8.3 7.7 11.5

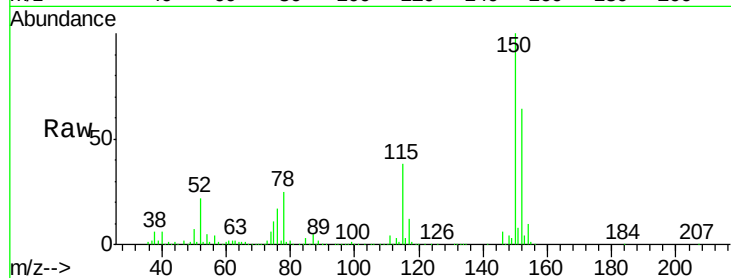




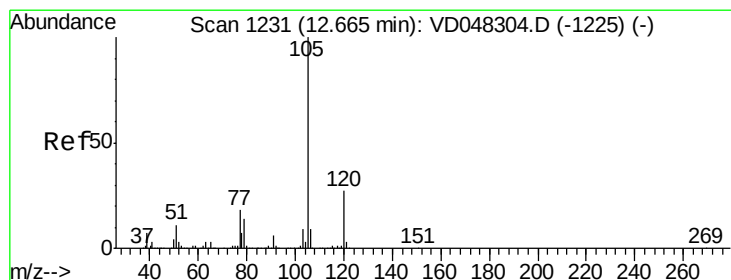
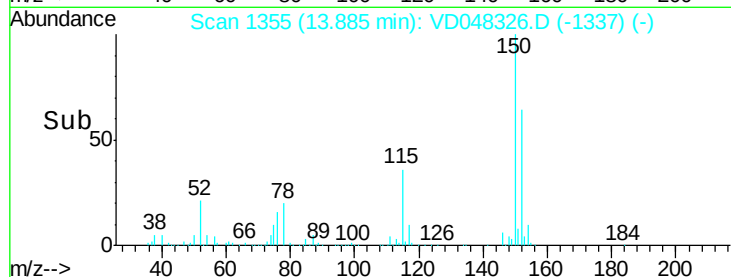
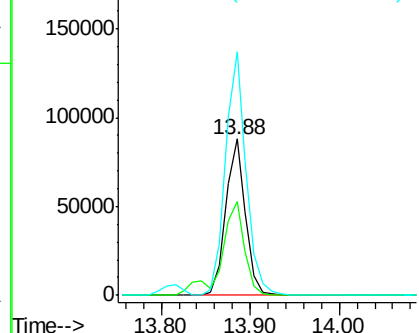
#71
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.88 min Scan# 1355
 Delta R.T. -0.02 min
 Lab File: VD048326.D
 Acq: 6 Jan 2016 17:05

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 137055
 Ion Ratio Lower Upper
 152 100
 115 59.8 32.4 97.2
 150 156.0 0.0 314.6

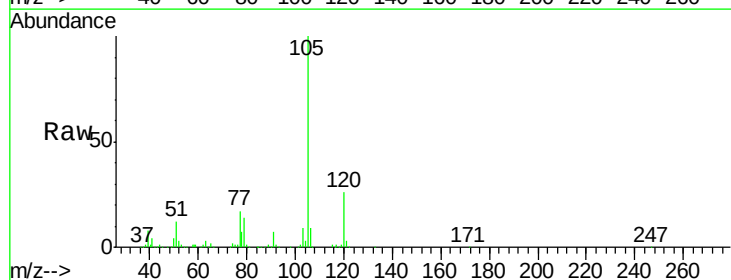


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 115.00 (114.70 to 115.70): V
 Ion 149.90 (149.60 to 150.60): V

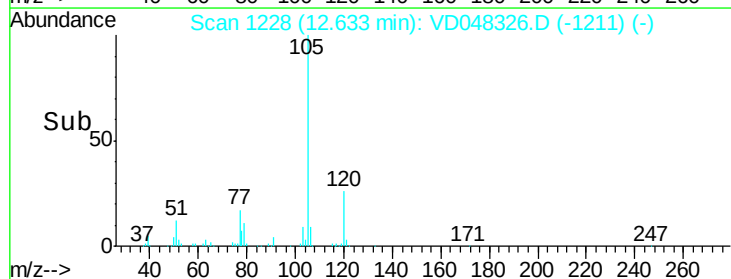
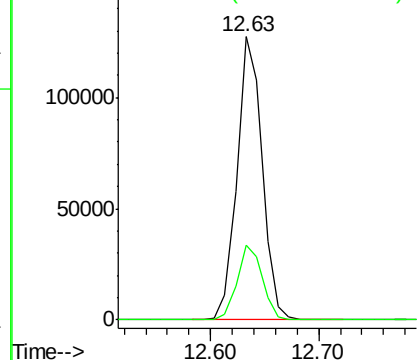


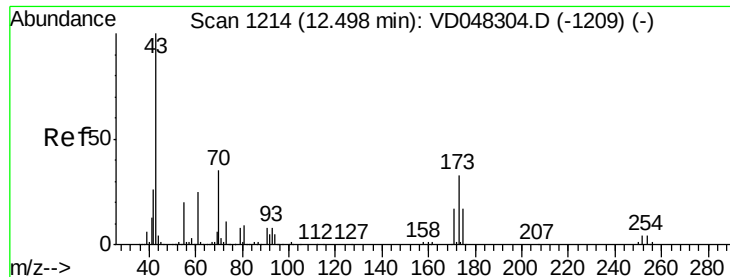
#72
 Isopropylbenzene
 Concen: 19.70 ug/l
 RT: 12.63 min Scan# 1228
 Delta R.T. -0.03 min
 Lab File: VD048326.D
 Acq: 6 Jan 2016 17:05

Tgt Ion:105 Resp: 206179
 Ion Ratio Lower Upper
 105 100
 120 26.3 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: 23.74 ug/l

RT: 12.48 min Scan# 1212

Delta R.T. -0.02 min

Lab File: VD048326.D

Acq: 6 Jan 2016 17:05

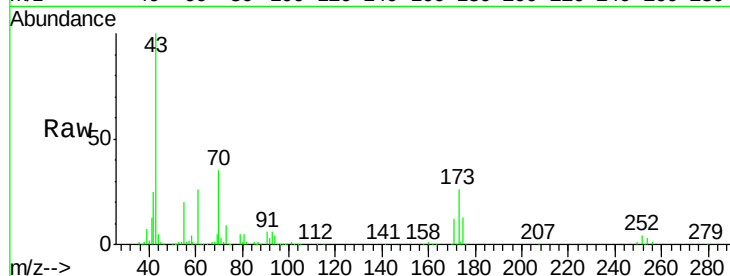
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 43 Resp: 70050

Ion	Ratio	Lower	Upper
43	100		
70	35.0	27.2	40.8
55	20.4	15.4	23.0
61	25.5	19.9	29.9

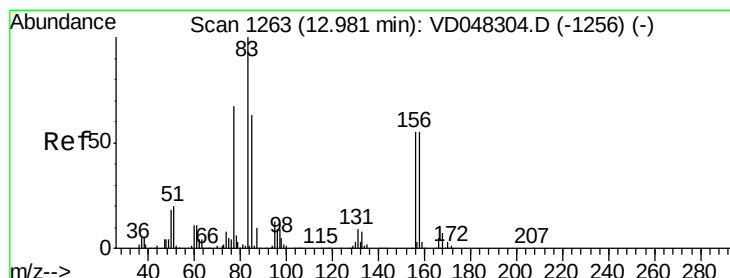
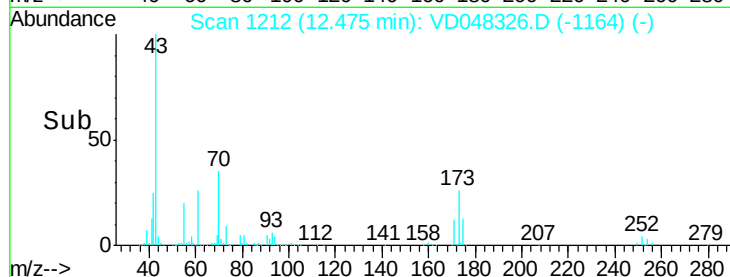


Abundance Ion 42.95 (42.65 to 43.65): VDC

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: 22.57 ug/l

RT: 12.95 min Scan# 1260

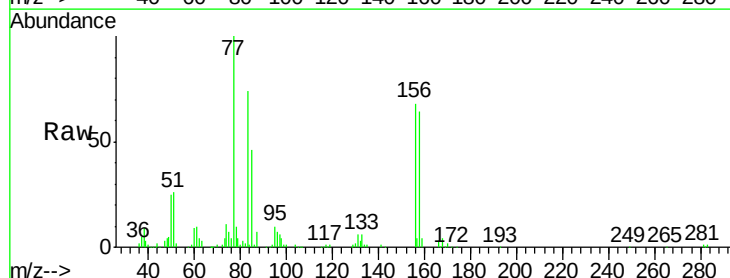
Delta R.T. -0.03 min

Lab File: VD048326.D

Acq: 6 Jan 2016 17:05

Tgt Ion: 83 Resp: 43839

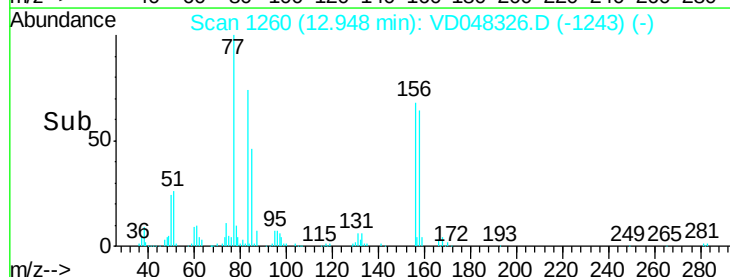
Ion	Ratio	Lower	Upper
83	100		
131	7.8	4.3	13.1
85	62.5	31.1	93.2

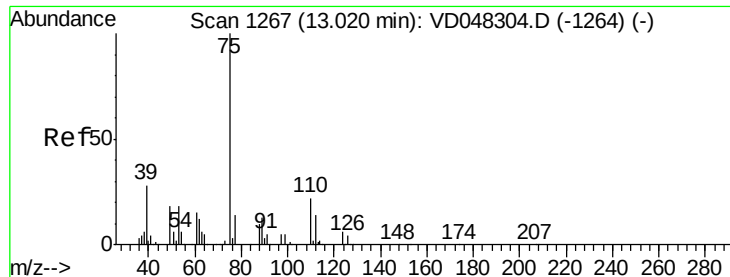


Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC





#75

1,2,3-Trichloropropane

Concen: 22.85 ug/l

RT: 13.00 min Scan# 1265

Delta R.T. -0.02 min

Lab File: VD048326.D

Acq: 6 Jan 2016 17:05

Instrument :

BNA_F

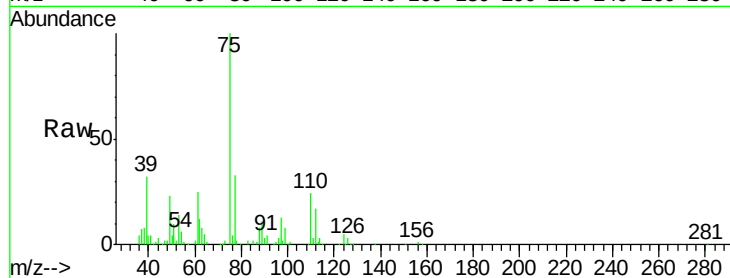
ClientSampleId :

Tot Ion: 75 Resp: 49687

Ion Ratio Lower Upper

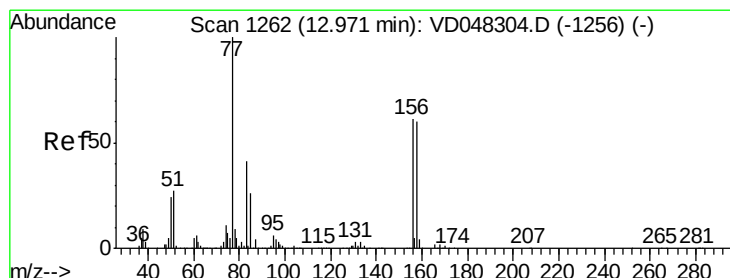
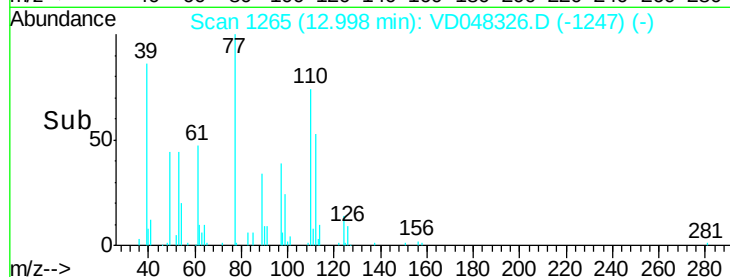
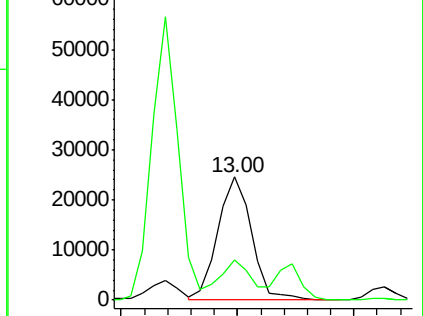
75 100

77 33.0 15.8 47.4



Abundance Ion 75.00 (74.70 to 75.70): V

Ion 76.95 (76.65 to 77.65): V



#76

Bromobenzene

Concen: 20.13 ug/l

RT: 12.94 min Scan# 1259

Delta R.T. -0.03 min

Lab File: VD048326.D

Acq: 6 Jan 2016 17:05

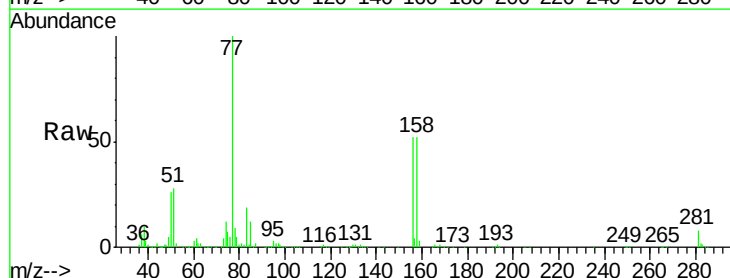
Tgt Ion: 156 Resp: 49195

Ion Ratio Lower Upper

156 100

77 191.0 87.5 262.4

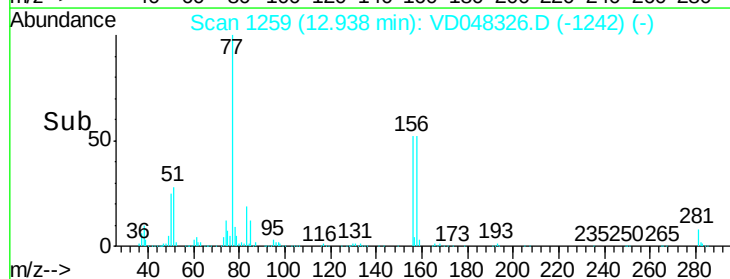
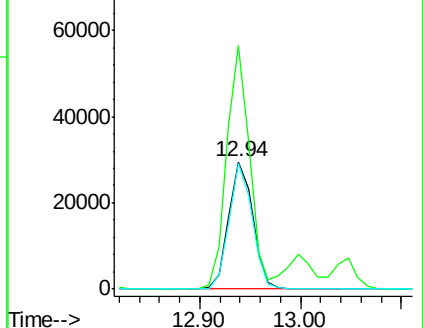
158 98.8 49.5 148.5

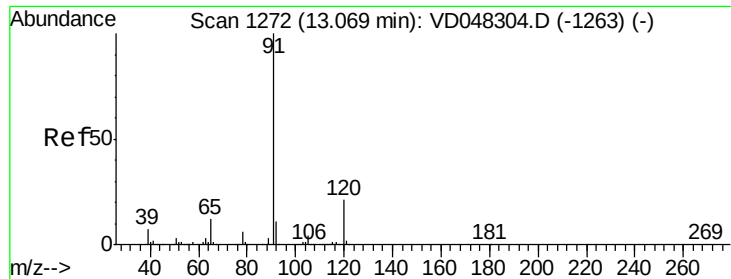


Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V





#77

n-propylbenzene

Concen: 19.67 ug/l

RT: 13.05 min Scan# 1270

Delta R.T. -0.02 min

Lab File: VD048326.D

Acq: 6 Jan 2016 17:05

Instrument :

BNA_F

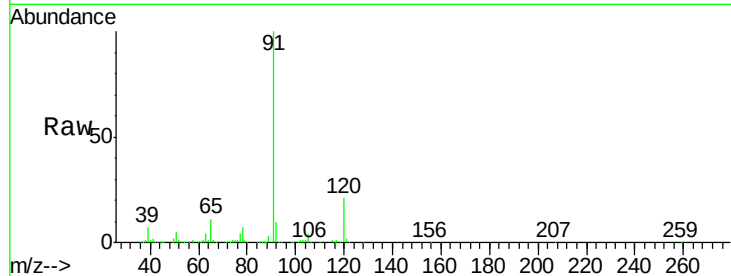
ClientSampleId :

Tot Ion: 91 Resp: 265200

Ion Ratio Lower Upper

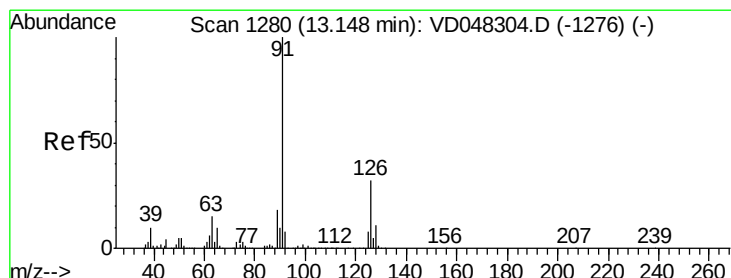
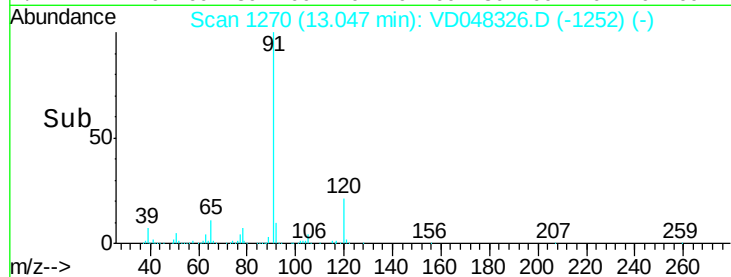
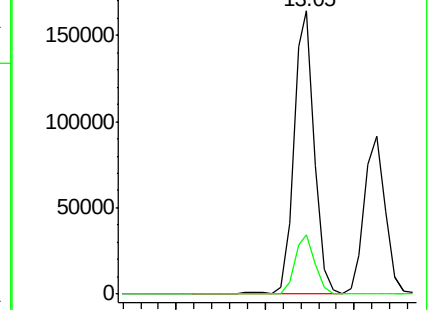
91 100

120 21.0 10.4 31.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): VDC



#78

2-Chlorotoluene

Concen: 19.62 ug/l

RT: 13.13 min Scan# 1278

Delta R.T. -0.02 min

Lab File: VD048326.D

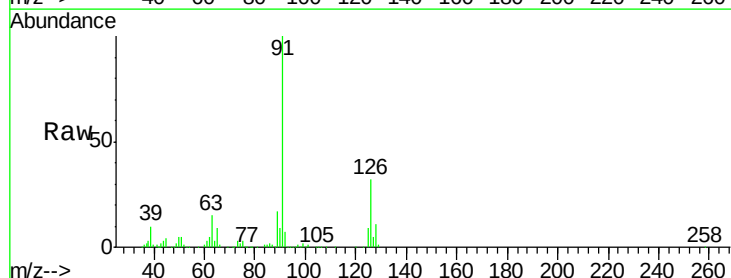
Acq: 6 Jan 2016 17:05

Tgt Ion: 91 Resp: 147968

Ion Ratio Lower Upper

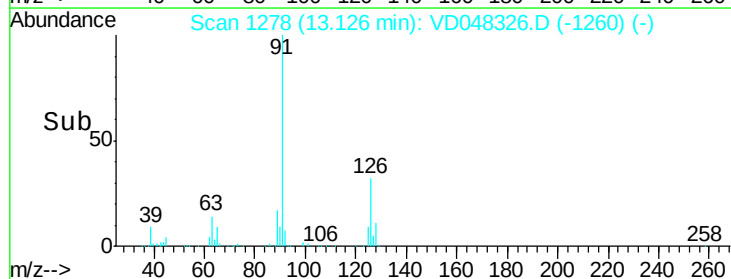
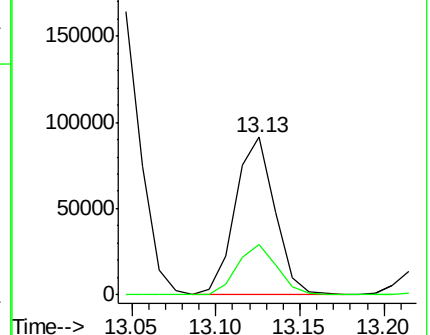
91 100

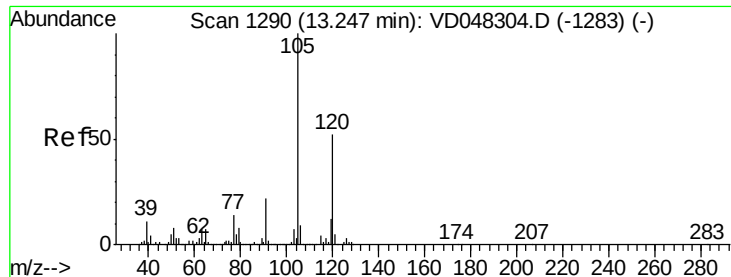
126 32.0 15.3 45.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): VDC





#79

1,3,5-Trimethylbenzene

Concen: 19.46 ug/l

RT: 13.21 min Scan# 1287

Delta R.T. -0.03 min

Lab File: VD048326.D

Acq: 6 Jan 2016 17:05

Instrument :

BNA_F

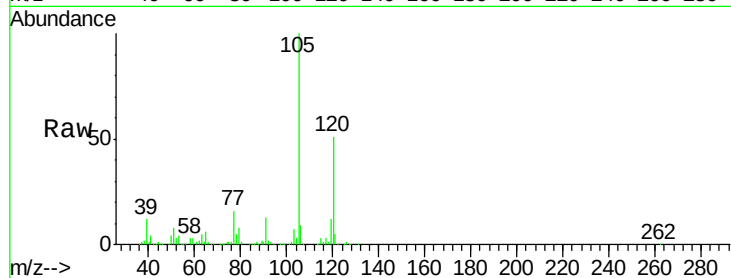
ClientSampled :

Tot Ion:105 Resp: 158507

Ion Ratio Lower Upper

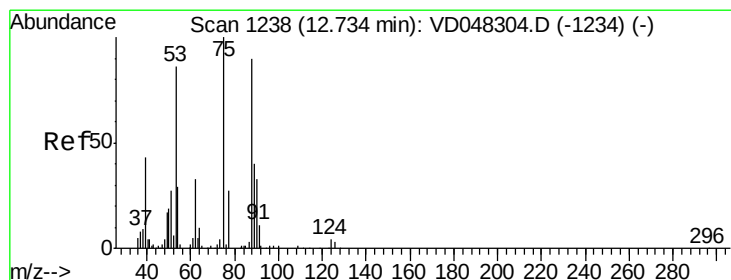
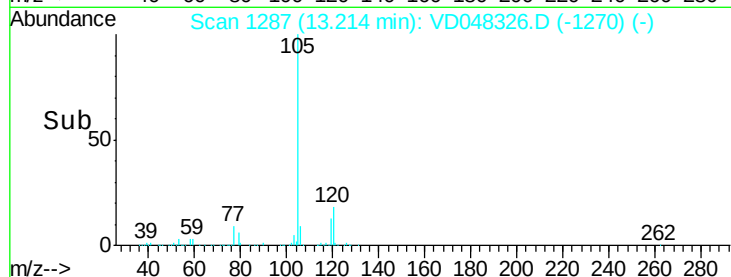
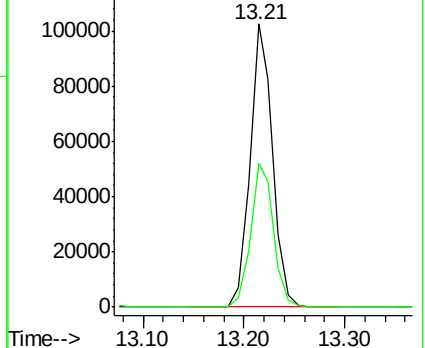
105 100

120 50.7 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: 20.18 ug/l

RT: 12.70 min Scan# 1235

Delta R.T. -0.03 min

Lab File: VD048326.D

Acq: 6 Jan 2016 17:05

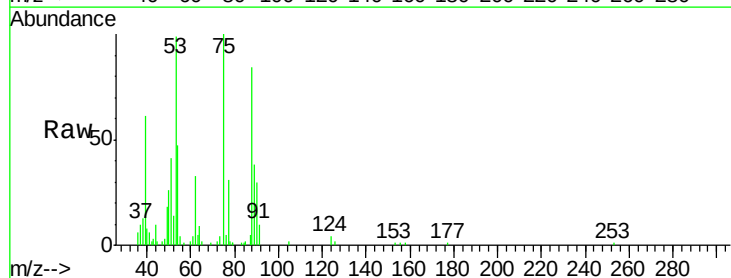
Tgt Ion: 75 Resp: 11652

Ion Ratio Lower Upper

75 100

53 99.0 77.8 116.8

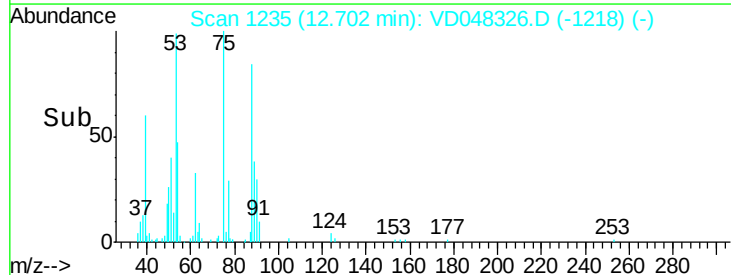
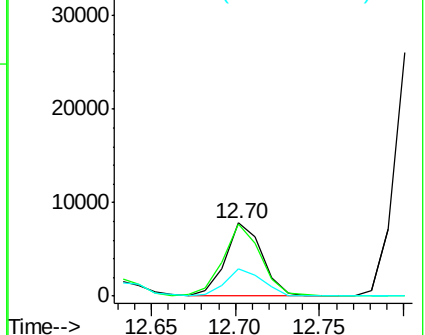
89 38.0 32.6 49.0

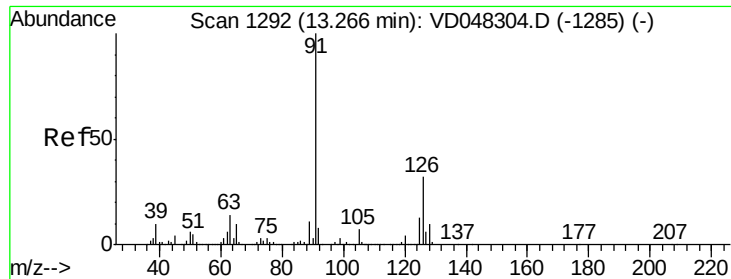


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC

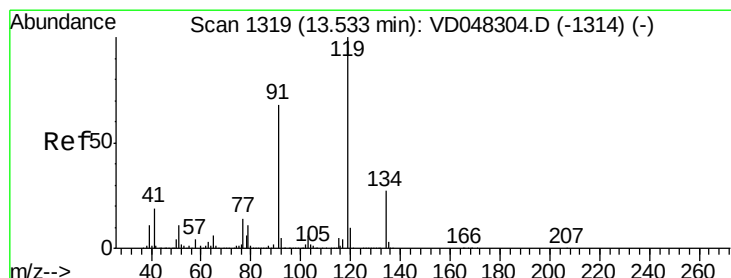
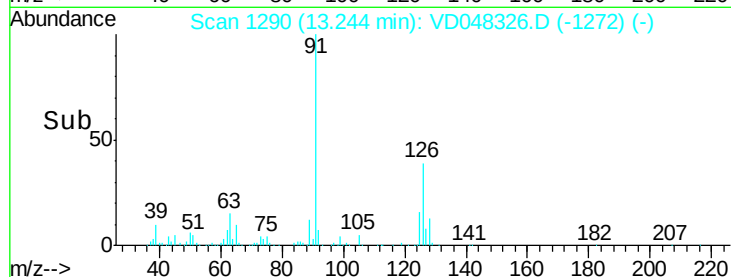
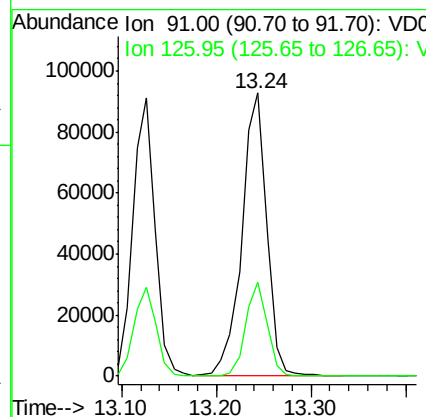
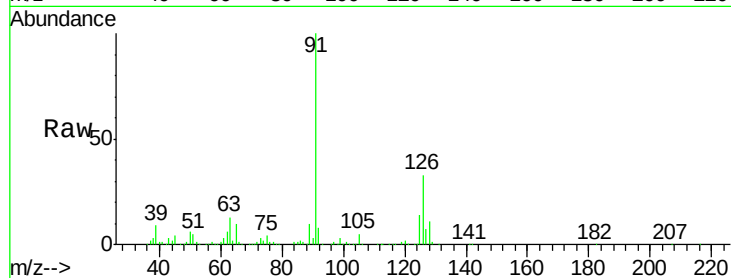




#81
4-Chlorotoluene
Concen: 19.20 ug/l
RT: 13.24 min Scan# 1290
Delta R.T. -0.02 min
Lab File: VD048326.D
Acq: 6 Jan 2016 17:05

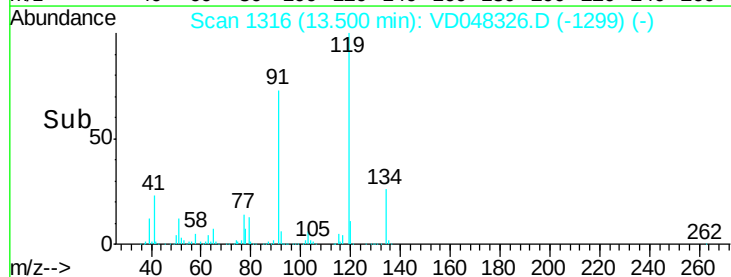
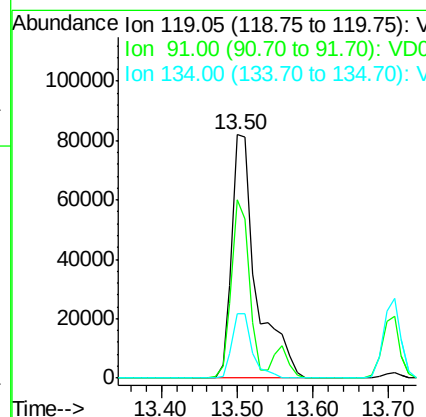
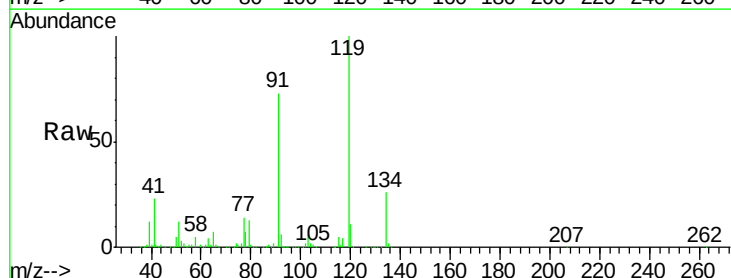
Instrument :
BNA_F
ClientSampled :

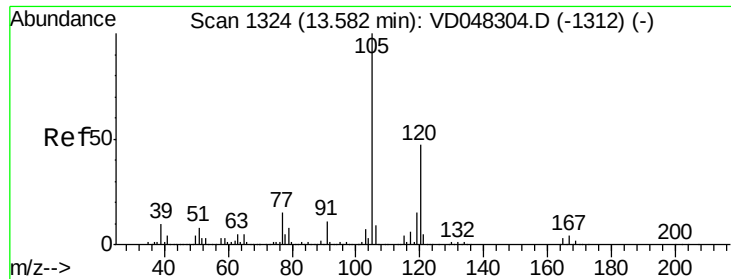
Tot Ion: 91 Resp: 167295
Ion Ratio Lower Upper
91 100
126 33.1 15.4 46.1



#82
tert-Butylbenzene
Concen: 23.41 ug/l
RT: 13.50 min Scan# 1316
Delta R.T. -0.03 min
Lab File: VD048326.D
Acq: 6 Jan 2016 17:05

Tgt Ion: 119 Resp: 184719
Ion Ratio Lower Upper
119 100
91 73.3 33.2 99.6
134 26.4 12.5 37.5

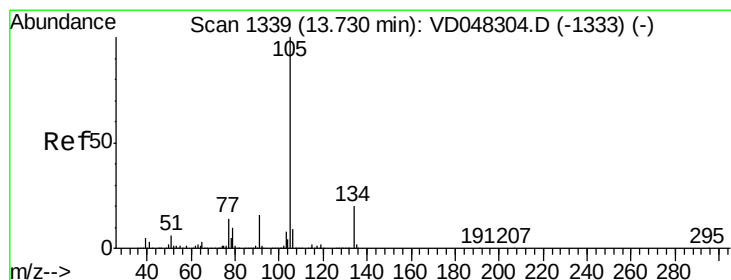
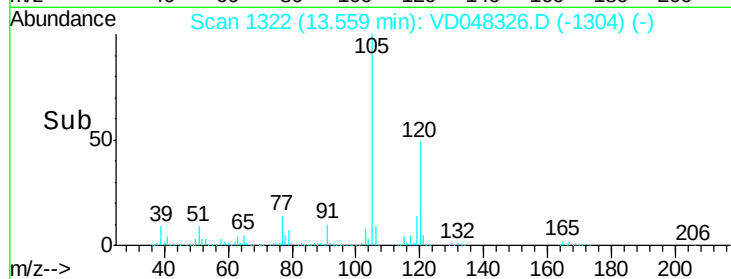
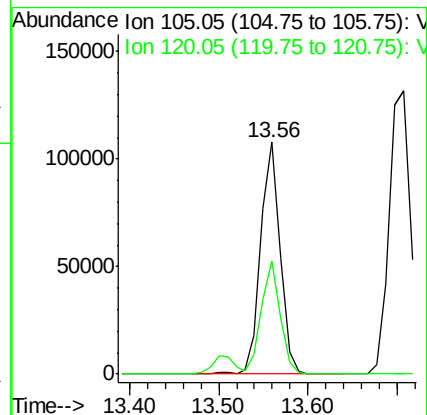
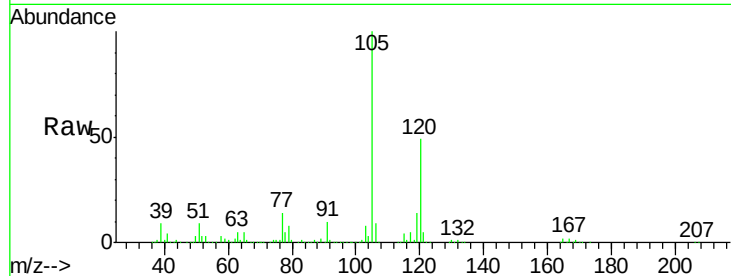




#83
 1,2,4-Trimethylbenzene
 Concen: 19.34 ug/l
 RT: 13.56 min Scan# 1322
 Delta R.T. -0.02 min
 Lab File: VD048326.D
 Acq: 6 Jan 2016 17:05

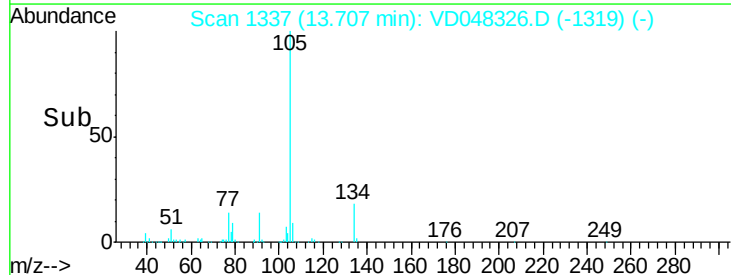
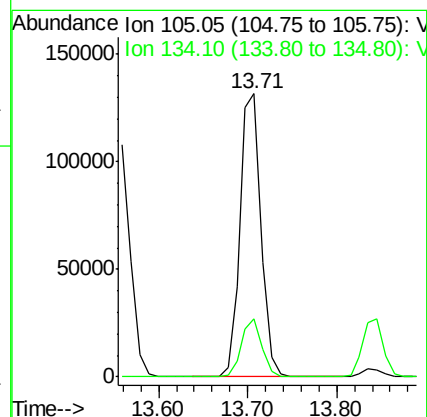
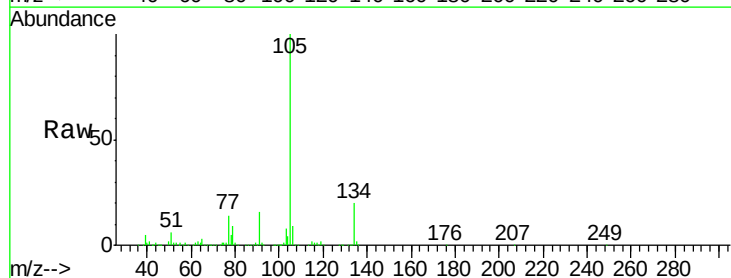
Instrument :
 BNA_F
 ClientSampleId :

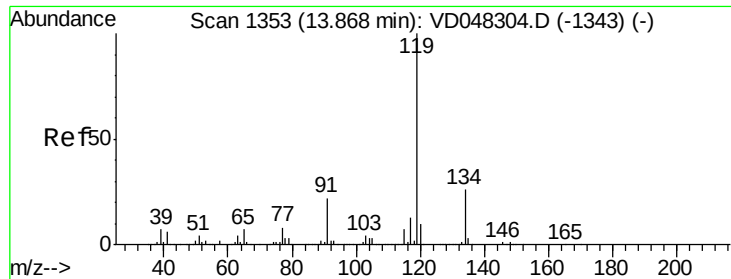
Tot Ion:105 Resp: 162174
 Ion Ratio Lower Upper
 105 100
 120 48.6 22.6 67.7



#84
 sec-Butylbenzene
 Concen: 19.44 ug/l
 RT: 13.71 min Scan# 1337
 Delta R.T. -0.02 min
 Lab File: VD048326.D
 Acq: 6 Jan 2016 17:05

Tgt Ion:105 Resp: 217660
 Ion Ratio Lower Upper
 105 100
 134 20.3 9.4 28.2

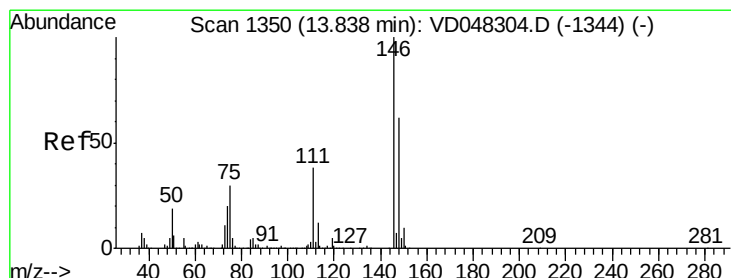
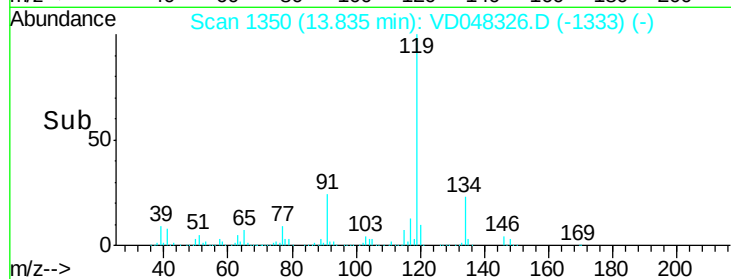
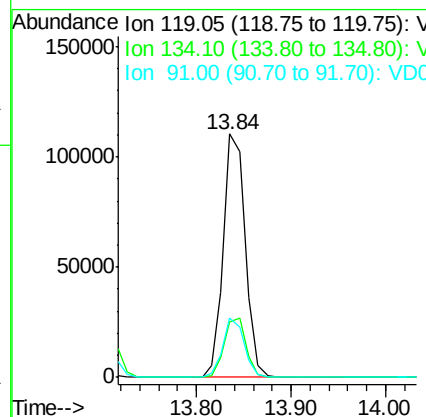
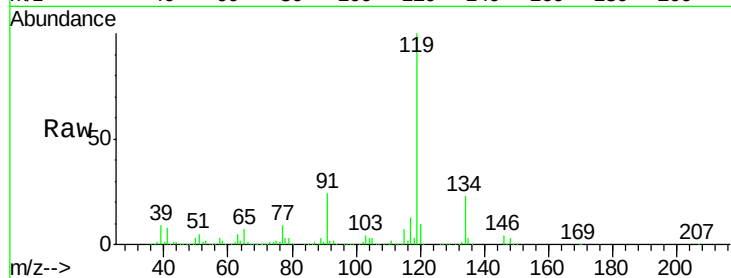




#85
 p-Isopropyltoluene
 Concen: 19.10 ug/l
 RT: 13.84 min Scan# 1350
 Delta R.T. -0.03 min
 Lab File: VD048326.D
 Acq: 6 Jan 2016 17:05

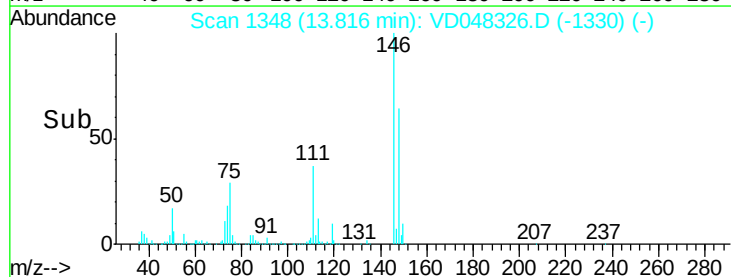
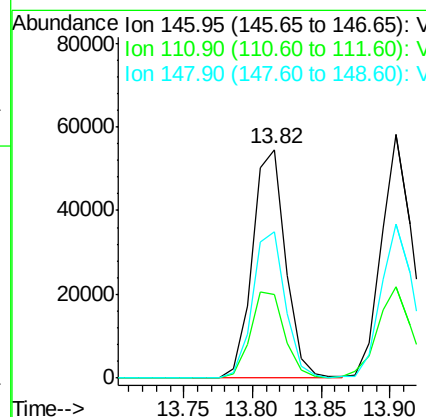
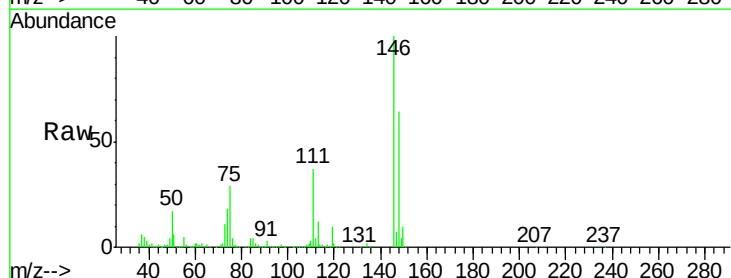
Instrument :
 BNA_F
 ClientSampleId :

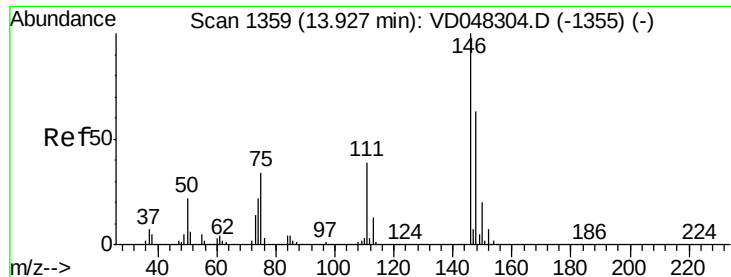
Tot Ion:119 Resp: 177889
 Ion Ratio Lower Upper
 119 100
 134 22.8 12.5 37.5
 91 24.2 11.2 33.5



#86
 1,3-Dichlorobenzene
 Concen: 19.64 ug/l
 RT: 13.82 min Scan# 1348
 Delta R.T. -0.02 min
 Lab File: VD048326.D
 Acq: 6 Jan 2016 17:05

Tgt Ion:146 Resp: 91929
 Ion Ratio Lower Upper
 146 100
 111 36.6 20.5 61.6
 148 63.8 31.4 94.0

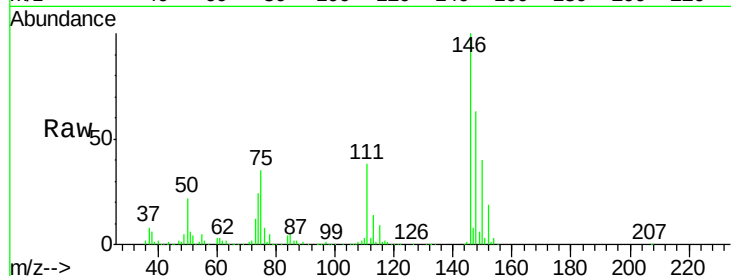




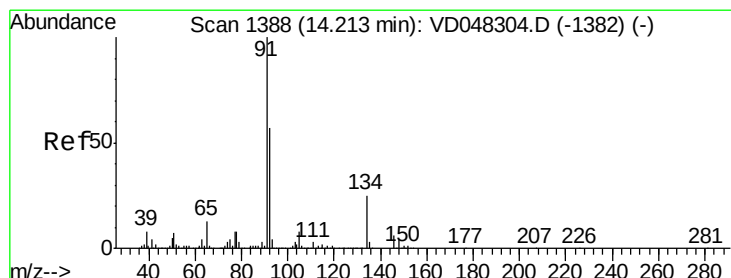
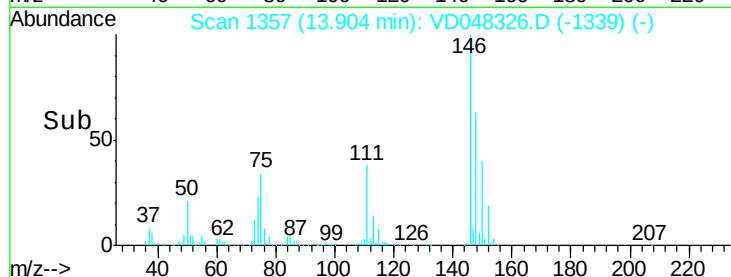
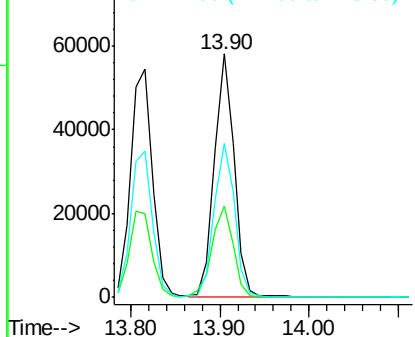
#87
 1,4-Dichlorobenzene
 Concen: 19.51 ug/l
 RT: 13.90 min Scan# 1357
 Delta R.T. -0.02 min
 Lab File: VD048326.D
 Acq: 6 Jan 2016 17:05

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.4	55.2
148	63.2	32.1	96.5

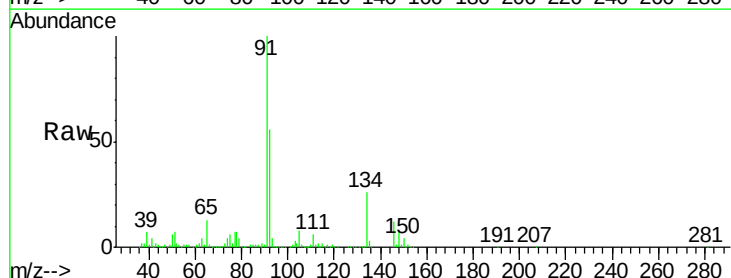


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

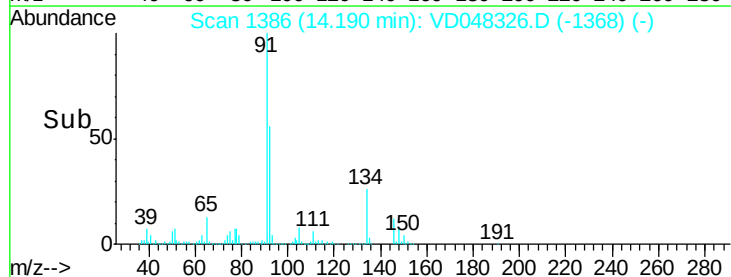
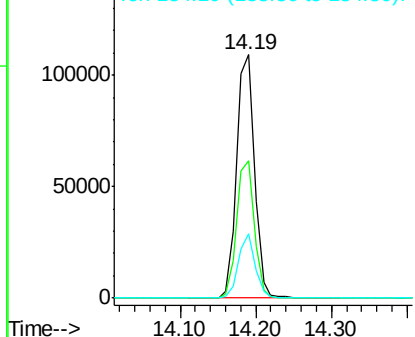


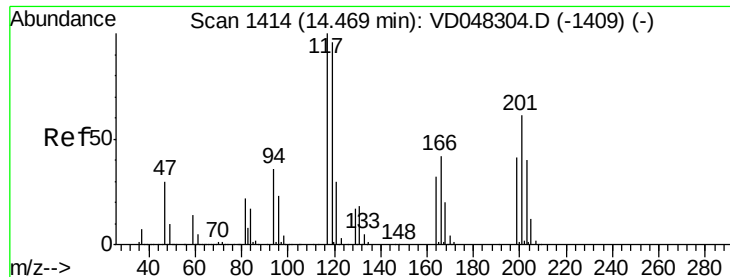
#88
 n-Butylbenzene
 Concen: 18.88 ug/l
 RT: 14.19 min Scan# 1386
 Delta R.T. -0.02 min
 Lab File: VD048326.D
 Acq: 6 Jan 2016 17:05

Tgt Ion	Ratio	Lower	Upper
91	100		
92	56.2	28.8	86.5
134	26.3	11.7	35.0



Abundance Ion 91.00 (90.70 to 91.70): VDC
 Ion 92.00 (91.70 to 92.70): VDC
 Ion 134.10 (133.80 to 134.80): V





#89

Hexachloroethane

Concen: 17.13 ug/l

RT: 14.45 min Scan# 1412

Delta R.T. -0.02 min

Lab File: VD048326.D

Acq: 6 Jan 2016 17:05

Instrument :

BNA_F

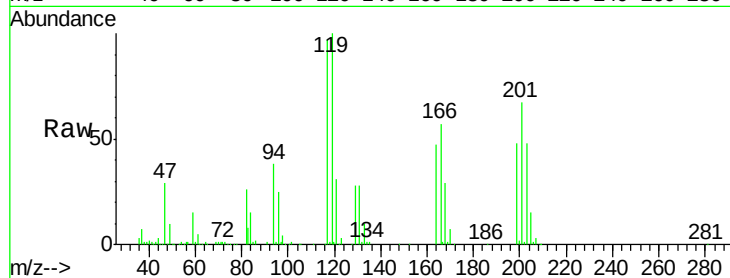
ClientSampleId :

Tot Ion:117 Resp: 32507

Ion Ratio Lower Upper

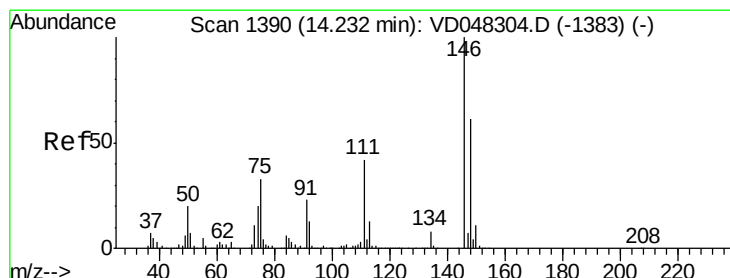
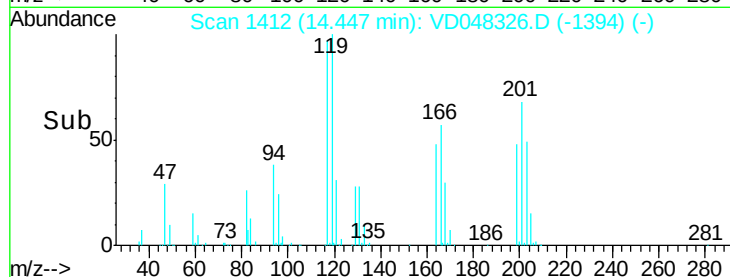
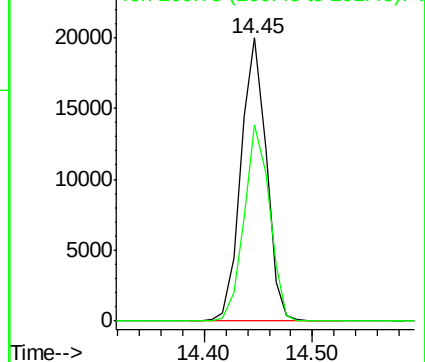
117 100

201 69.4 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: 19.78 ug/l

RT: 14.21 min Scan# 1388

Delta R.T. -0.02 min

Lab File: VD048326.D

Acq: 6 Jan 2016 17:05

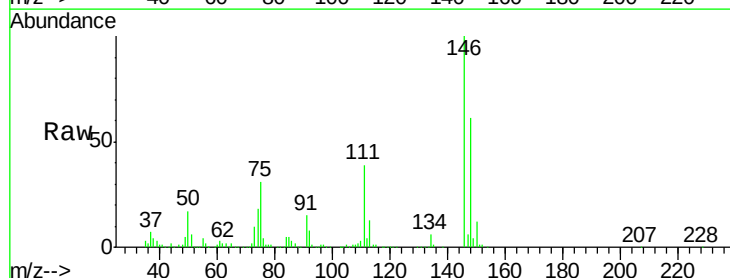
Tgt Ion:146 Resp: 81441

Ion Ratio Lower Upper

146 100

111 39.2 22.0 66.0

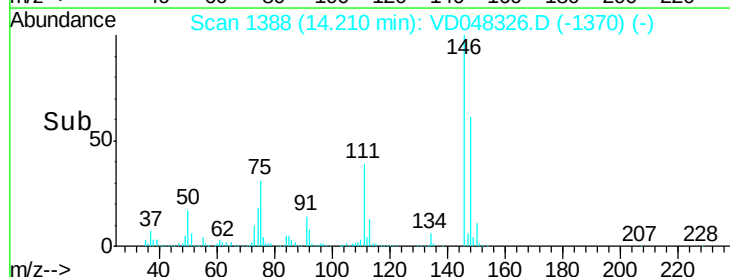
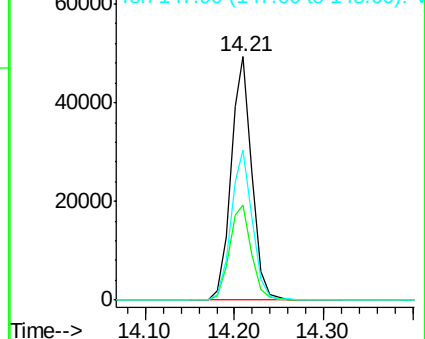
148 61.5 32.0 96.2

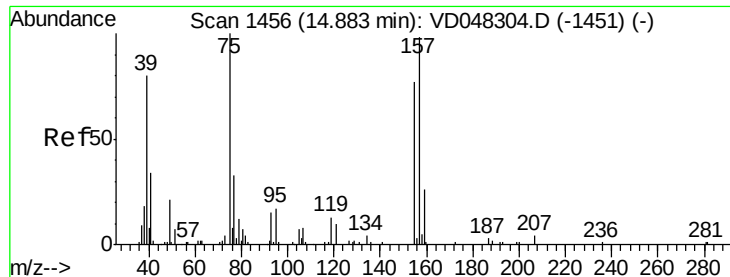


Abundance Ion 145.95 (145.65 to 146.65): V

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: 22.32 ug/l

RT: 14.85 min Scan# 1453

Delta R.T. -0.03 min

Lab File: VD048326.D

Acq: 6 Jan 2016 17:05

Instrument :

BNA_F

ClientSampleId :

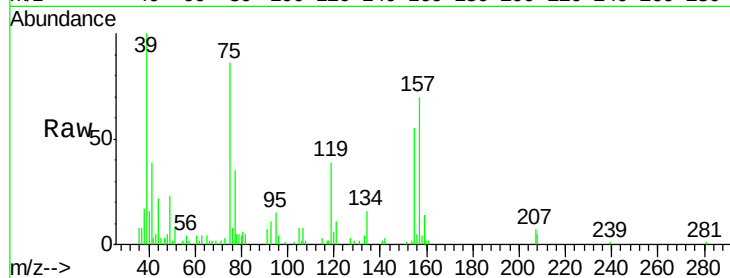
Tot Ion: 75 Resp: 5644

Ion Ratio Lower Upper

75 100

155 64.4 38.2 114.6

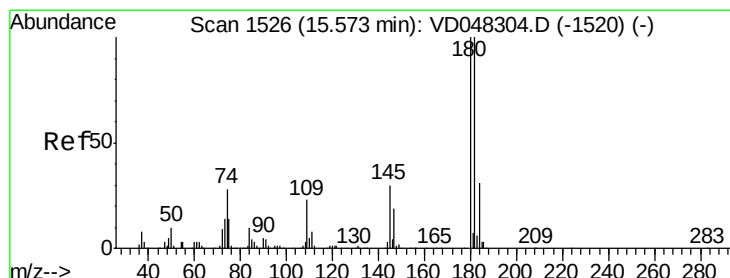
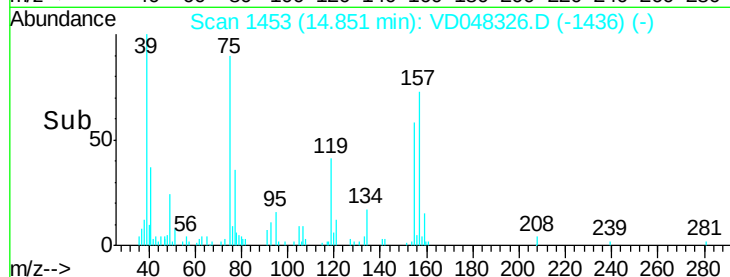
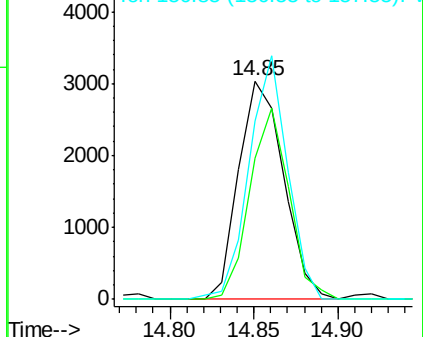
157 81.5 50.5 151.6



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: 20.54 ug/l

RT: 15.54 min Scan# 1523

Delta R.T. -0.03 min

Lab File: VD048326.D

Acq: 6 Jan 2016 17:05

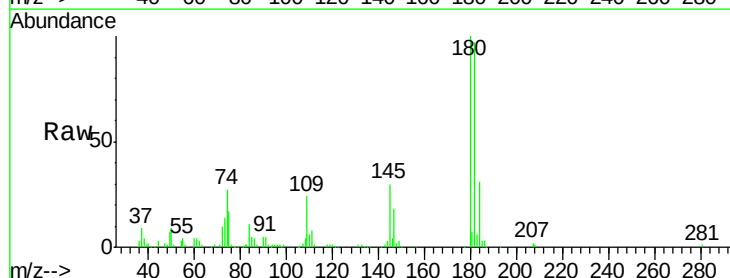
Tgt Ion: 180 Resp: 50765

Ion Ratio Lower Upper

180 100

182 96.8 46.6 139.8

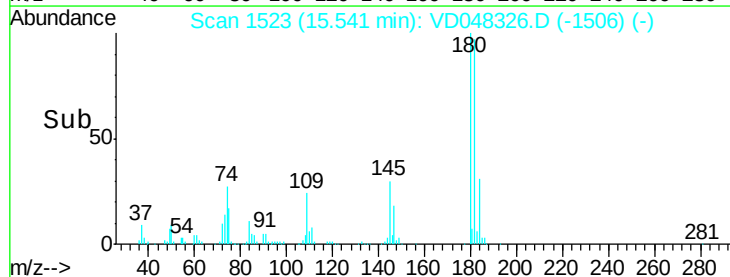
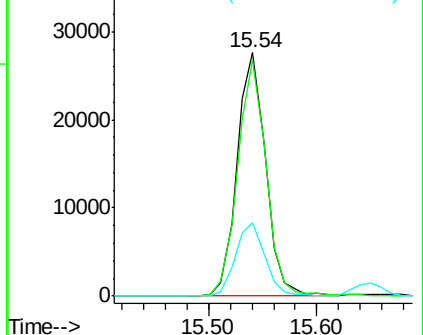
145 29.9 14.9 44.7

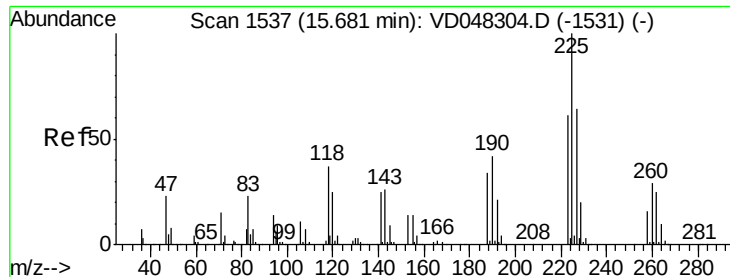


Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

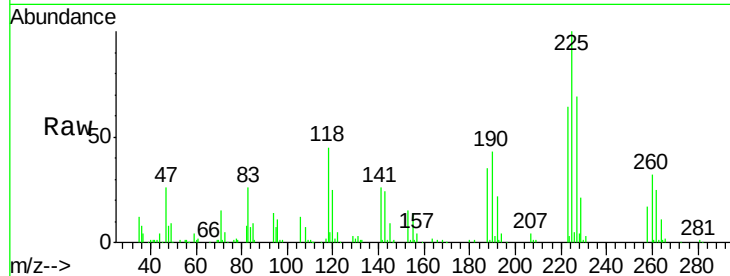




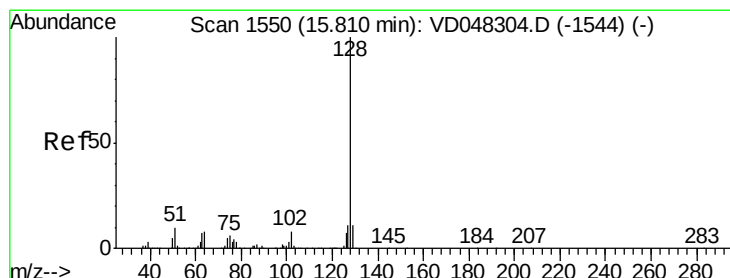
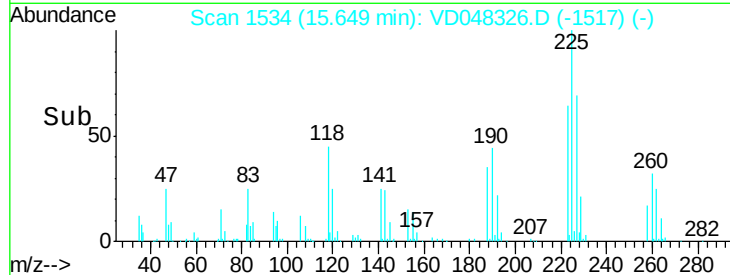
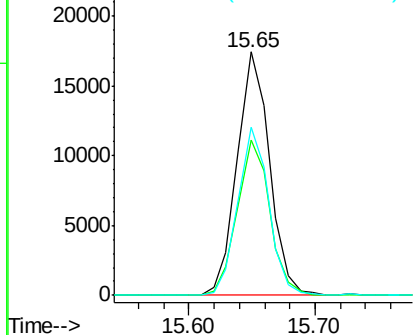
#93
Hexachlorobutadiene
Concen: 19.00 ug/l
RT: 15.65 min Scan# 1534
Delta R.T. -0.03 min
Lab File: VD048326.D
Acq: 6 Jan 2016 17:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion:225 Resp: 31116
Ion Ratio Lower Upper
225 100
223 63.9 31.8 95.3
227 69.1 30.4 91.2

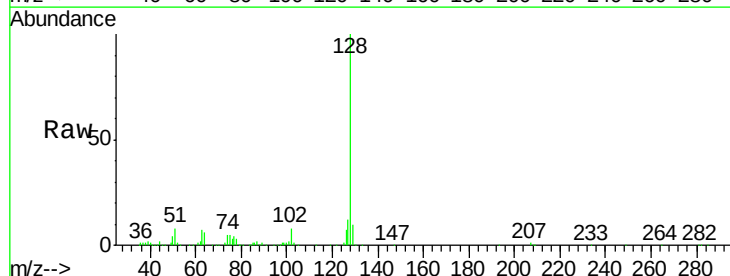


Abundance Ion 224.75 (224.45 to 225.45): V
Ion 222.75 (222.45 to 223.45): V
Ion 226.75 (226.45 to 227.45): V

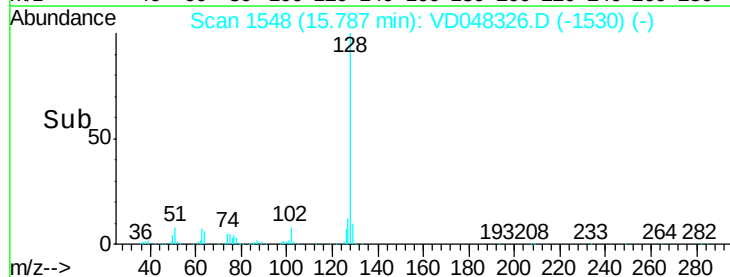
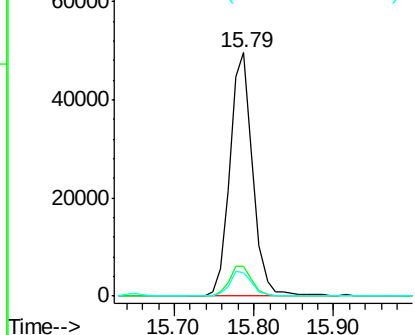


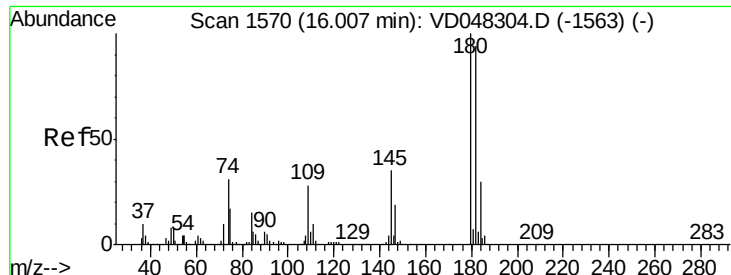
#94
Naphthalene
Concen: 23.31 ug/l
RT: 15.79 min Scan# 1548
Delta R.T. -0.02 min
Lab File: VD048326.D
Acq: 6 Jan 2016 17:05

Tgt Ion:128 Resp: 100135
Ion Ratio Lower Upper
128 100
127 12.2 9.7 14.5
129 9.8 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

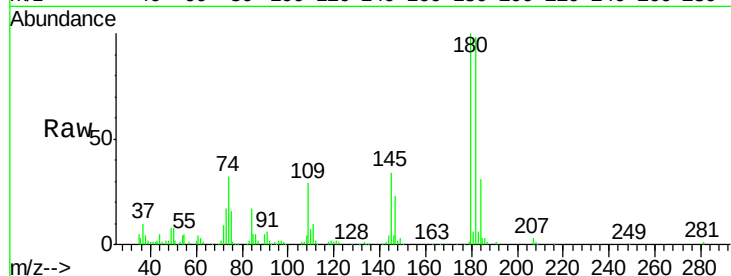




#95
 1,2,3-Trichlorobenzene
 Concen: 21.65 ug/l
 RT: 15.97 min Scan# 1567
 Delta R.T. -0.03 min
 Lab File: VD048326.D
 Acq: 6 Jan 2016 17:05

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.3	49.0	147.0
145	34.1	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

