

Data Path : W:\HPCHEM1\MSVOA D\DATA\VD010616\
 Data File : VD048323.D
 Acq On : 6 Jan 2016 15:46
 Operator : FY/SY
 Sample : VD0106SBS03
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 07 04:28:05 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	204686	50.00	ug/l	-0.03
33) 1,4-Difluorobenzene	7.39	114	363080	50.00	ug/l	-0.03
62) Chlorobenzene-d5	11.54	117	366199	50.00	ug/l	-0.03
71) 1,4-Dichlorobenzene-d4	13.88	152	162286	50.00	ug/l	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
32) 1,2-Dichloroethane-d4	6.67	65	133138	53.07	ug/l	-0.04
Spiked Amount			Recovery	=	106.14%	
34) Dibromofluoromethane	6.16	113	122153	49.82	ug/l	-0.04
Spiked Amount			Recovery	=	99.64%	
49) Toluene-d8	9.57	98	388674	47.96	ug/l	-0.03
Spiked Amount			Recovery	=	95.92%	
61) 4-Bromofluorobenzene	12.82	95	171323	48.68	ug/l	-0.02
Spiked Amount			Recovery	=	97.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.40	85	48353	18.26	ug/l	98
3) Chloromethane	1.60	50	25231	15.55	ug/l	98
4) Vinyl Chloride	1.66	62	25815	17.25	ug/l	96
5) Bromomethane	1.94	94	15451	15.73	ug/l	95
6) Chloroethane	2.05	64	14009	16.30	ug/l	94
7) Trichlorofluoromethane	2.29	101	63386	19.03	ug/l	98
8) Diethyl Ether	2.60	74	20560	21.18	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	2.85	101	42055	19.02	ug/l	96
10) Methyl Iodide	3.02	142	27635	17.96	ug/l #	90
11) Tert butyl alcohol	3.64	59	13792	111.12	ug/l	97
12) 1,1-Dichloroethene	2.84	96	35308	18.60	ug/l	98
13) Acrolein	2.74	56	21825	111.75	ug/l	91
14) Allyl chloride	3.29	41	69867	18.05	ug/l	97
15) Acrylonitrile	3.79	53	45239	113.01	ug/l	97
16) Acetone	2.91	43	53154	98.81	ug/l	94
17) Carbon Disulfide	3.10	76	115388	17.26	ug/l	100
18) Methyl Acetate	3.30	43	33218	24.85	ug/l	93
19) Methyl tert-butyl Ether	3.85	73	90986	22.23	ug/l	97
20) Methylene Chloride	3.46	84	47554	18.88	ug/l	97
21) trans-1,2-Dichloroethene	3.85	96	39640	18.88	ug/l	89
22) Diisopropyl ether	4.60	45	148813	20.35	ug/l	97
23) Vinyl Acetate	4.55	43	408549	113.23	ug/l	99
24) 1,1-Dichloroethane	4.51	63	82489	19.38	ug/l	99
25) 2-Butanone	5.39	43	73768	126.66	ug/l	98
26) 2,2-Dichloropropane	5.38	77	71978	18.17	ug/l	99
27) cis-1,2-Dichloroethene	5.38	96	47235	19.31	ug/l	93
28) Bromochloromethane	5.74	49	31441	17.74	ug/l	96
29) Chloroform	5.93	83	92331	19.76	ug/l	97
30) Cyclohexane	6.22	56	66926	18.86	ug/l	97
31) 1,1,1-Trichloroethane	6.13	97	71801	19.75	ug/l	97
35) 1,1-Dichloropropene	6.38	75	69805	19.32	ug/l	99
36) Ethyl Acetate	5.49	43	34094	21.37	ug/l	97
37) Carbon Tetrachloride	6.36	117	61005	18.96	ug/l	99
38) Methylcyclohexane	8.04	83	74677	19.21	ug/l	94

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 BNA_F
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Quant Time: Jan 07 04:28:05 2016
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Benzene	6.67	78	181887	18.89	ug/l	98
40) Methacrylonitrile	5.71	41	20586	22.01	ug/l #	89
41) 1,2-Dichloroethane	6.78	62	63492	20.99	ug/l	100
42) Isopropyl Acetate	8.36	43	52757	23.26	ug/l #	99
43) Trichloroethene	7.70	130	52325	19.28	ug/l	95
44) 1,2-Dichloropropane	8.10	63	52957	19.82	ug/l	90
45) Dibromomethane	8.22	93	29723	20.42	ug/l	89
46) Bromodichloromethane	8.52	83	68068	19.59	ug/l	94
47) Methyl methacrylate	8.04	41	39778	18.42	ug/l	95
48) 1,4-Dioxane	8.24	88	6874	524.79	ug/l	89
50) 4-Methyl-2-Pentanone	9.44	43	185491	123.03	ug/l	99
51) Toluene	9.67	92	114182	19.46	ug/l	95
52) t-1,3-Dichloropropene	10.08	75	66973	20.33	ug/l	97
53) cis-1,3-Dichloropropene	9.18	75	79757	19.31	ug/l	95
54) 1,1,2-Trichloroethane	10.35	97	39777	21.67	ug/l	98
55) Ethyl methacrylate	10.20	69	50736	22.93	ug/l	96
56) 1,3-Dichloropropane	10.57	76	79057	21.60	ug/l	99
57) 2-Chloroethyl Vinyl ether	8.98	63	125840	95.84	ug/l	100
58) 2-Hexanone	10.67	43	137030	130.19	ug/l	98
59) Dibromochloromethane	10.85	129	48674	20.01	ug/l	96
60) 1,2-Dibromoethane	10.97	107	42843	21.77	ug/l	95
63) Tetrachloroethene	10.43	164	43167	19.03	ug/l	93
64) Chlorobenzene	11.58	112	144264	19.76	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.69	131	50880	19.54	ug/l	98
66) Ethyl Benzene	11.69	91	249316	19.31	ug/l	97
67) m/p-Xylenes	11.85	106	178462	39.02	ug/l	95
68) o-Xylene	12.26	106	85880	19.51	ug/l	95
69) Stvrene	12.29	104	141249	20.07	ug/l	99
70) Bromoform	12.47	173	26113	20.46	ug/l	98
72) Isopropylbenzene	12.64	105	231276	18.67	ug/l	97
73) N-amyl acetate	12.47	43	80818	23.13	ug/l	98
74) 1,1,2,2-Tetrachloroethane	12.96	83	51707	22.48	ug/l	100
75) 1,2,3-Trichloropropane	13.00	75	57001	22.14	ug/l	91
76) Bromobenzene	12.95	156	57098	19.73	ug/l	98
77) n-propylbenzene	13.04	91	298031	18.67	ug/l	97
78) 2-Chlorotoluene	13.12	91	168501	18.87	ug/l	99
79) 1,3,5-Trimethylbenzene	13.22	105	184267	19.11	ug/l	96
80) trans-1,4-Dichloro-2-buten	12.71	75	14697	21.28	ug/l	97
81) 4-Chlorotoluene	13.24	91	196691	19.07	ug/l	100
82) tert-Butylbenzene	13.51	119	218374	23.37	ug/l	98
83) 1,2,4-Trimethylbenzene	13.56	105	191514	19.29	ug/l	99
84) sec-Butylbenzene	13.70	105	248575	18.75	ug/l	99
85) p-Isopropyltoluene	13.84	119	210459	19.08	ug/l	100
86) 1,3-Dichlorobenzene	13.81	146	108144	19.51	ug/l	99
87) 1,4-Dichlorobenzene	13.91	146	105997	19.15	ug/l	99
88) n-Butylbenzene	14.19	91	206115	18.69	ug/l	98
89) Hexachloroethane	14.44	117	38480	17.12	ug/l	92
90) 1,2-Dichlorobenzene	14.21	146	95068	19.50	ug/l	99
91) 1,2-Dibromo-3-Chloropropan	14.86	75	7092	23.69	ug/l	93
92) 1,2,4-Trichlorobenzene	15.54	180	60038	20.52	ug/l	95

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

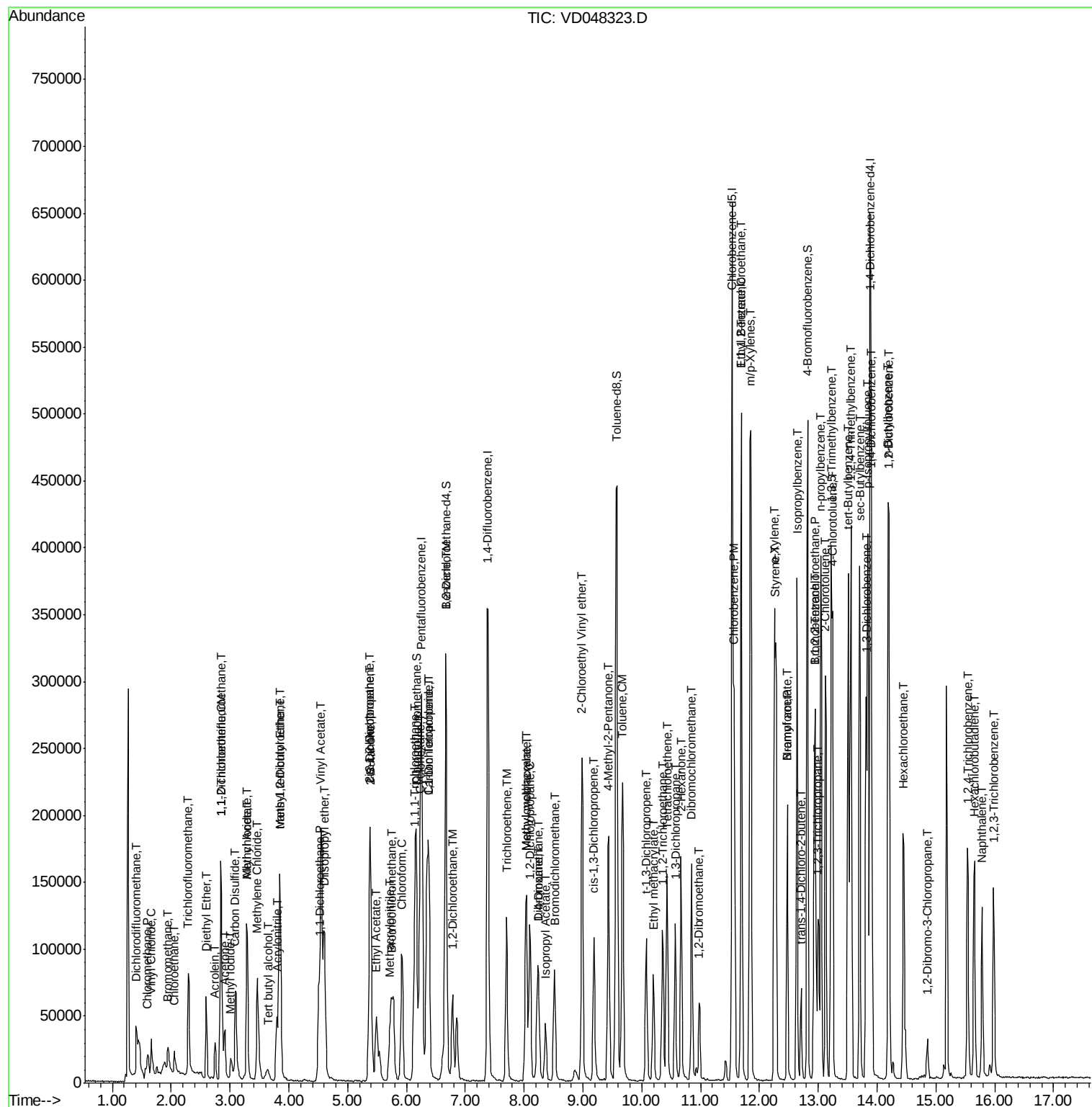
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Hexachlorobutadiene	15.66	225	36857	19.01	µg/l	95
94) Naphthalene	15.78	128	115716	22.83	µg/l	98
95) 1,2,3-Trichlorobenzene	15.98	180	50304	20.96	µg/l	99

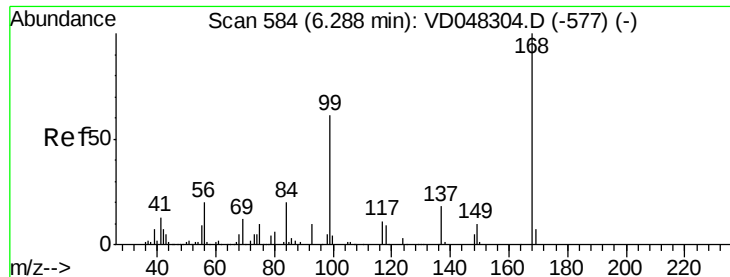
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.26 min Scan# 582

Delta R.T. -0.03 min

Lab File: VD048323.D

Acq: 6 Jan 2016 15:46

Instrument :

BNA_F

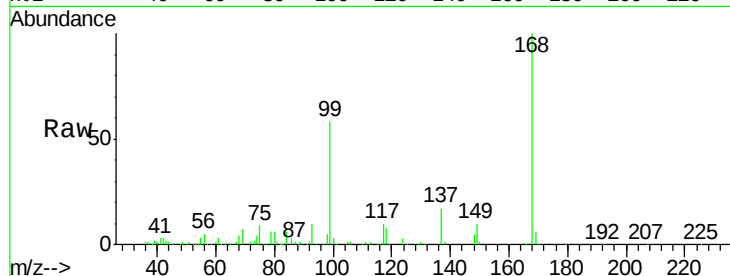
ClientSampleId :

Tot Ion:168 Resp: 204686

Ion Ratio Lower Upper

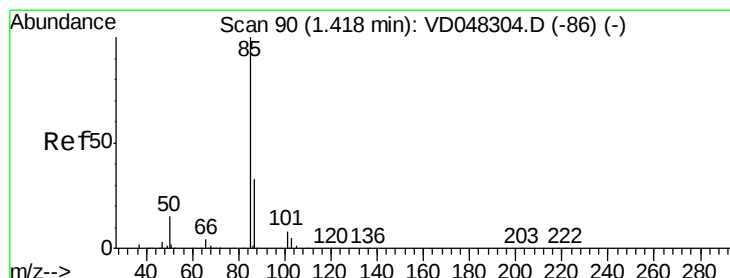
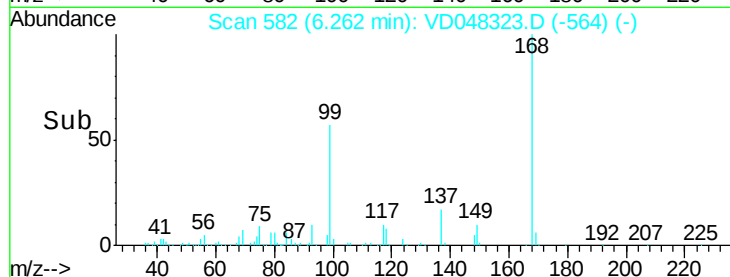
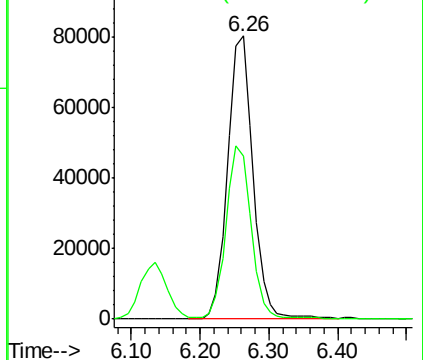
168 100

99 57.7 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: 18.26 ug/l

RT: 1.40 min Scan# 89

Delta R.T. -0.02 min

Lab File: VD048323.D

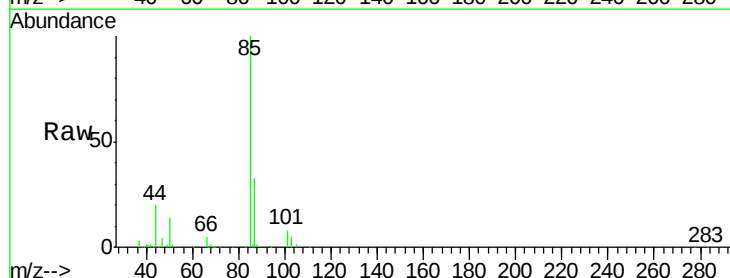
Acq: 6 Jan 2016 15:46

Tgt Ion: 85 Resp: 48353

Ion Ratio Lower Upper

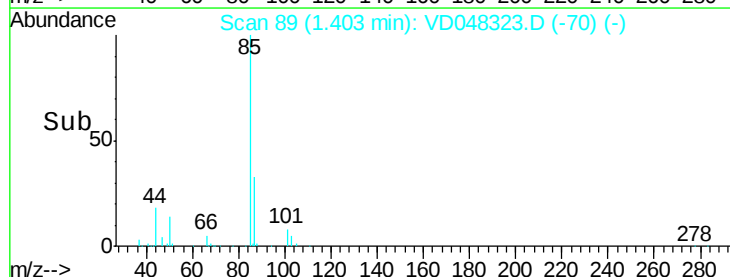
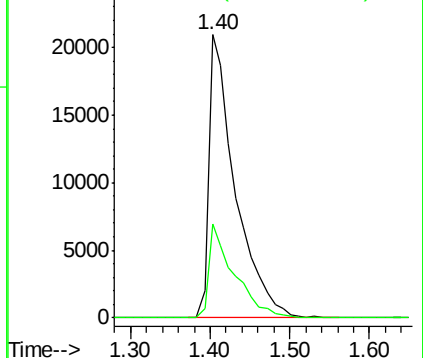
85 100

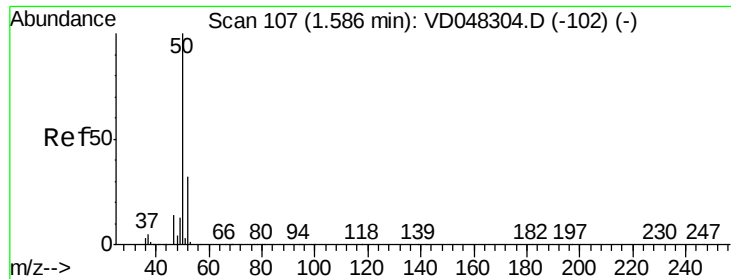
87 33.1 16.1 48.2



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 15.55 ug/l

RT: 1.60 min Scan# 109

Delta R.T. 0.01 min

Lab File: VD048323.D

Acq: 6 Jan 2016 15:46

Instrument :

BNA_F

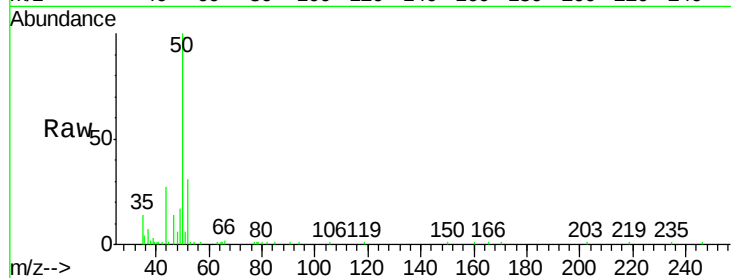
ClientSampleId :

Tot Ion: 50 Resp: 25231

Ion Ratio Lower Upper

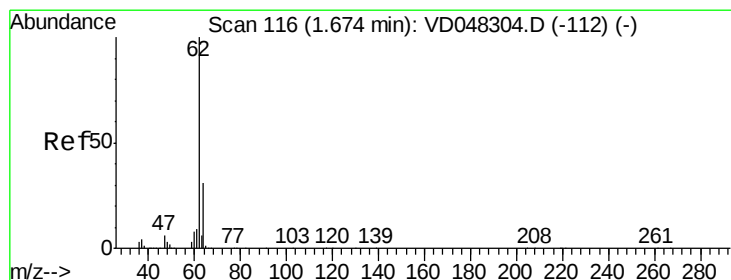
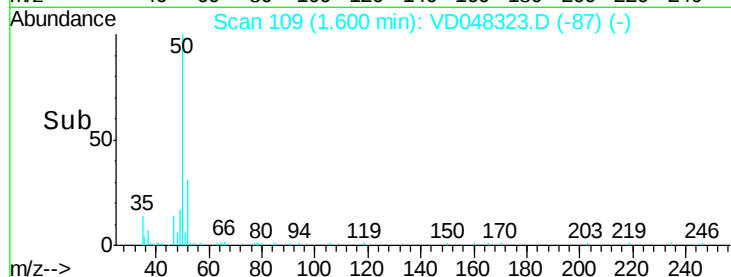
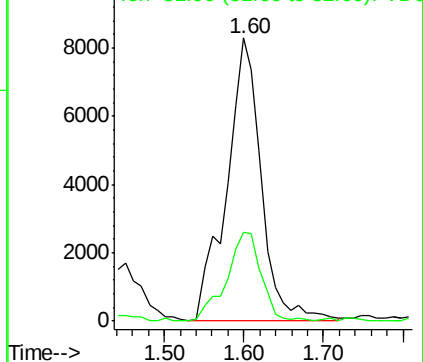
50 100

52 31.4 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: 17.25 ug/l

RT: 1.66 min Scan# 115

Delta R.T. -0.02 min

Lab File: VD048323.D

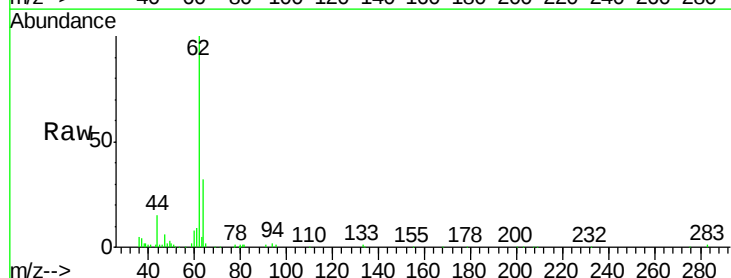
Acq: 6 Jan 2016 15:46

Tgt Ion: 62 Resp: 25815

Ion Ratio Lower Upper

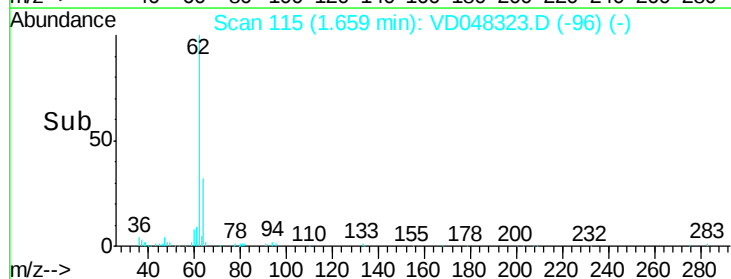
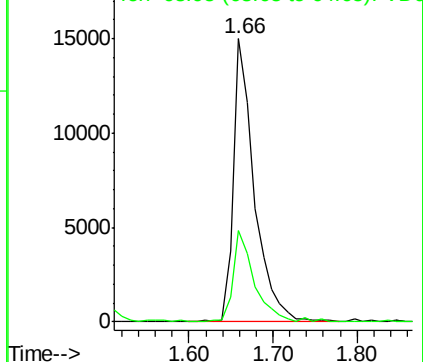
62 100

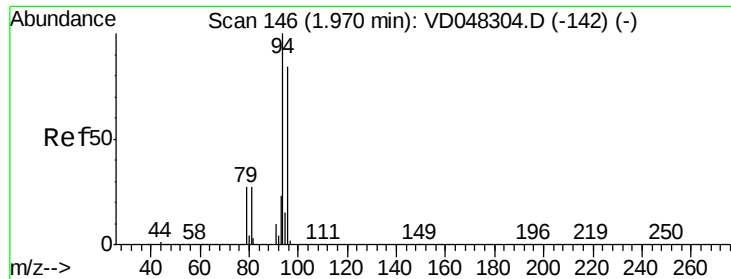
64 32.2 27.5 41.3



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 15.73 ug/l

RT: 1.94 min Scan# 144

Delta R.T. -0.03 min

Lab File: VD048323.D

Acq: 6 Jan 2016 15:46

Instrument :

BNA_F

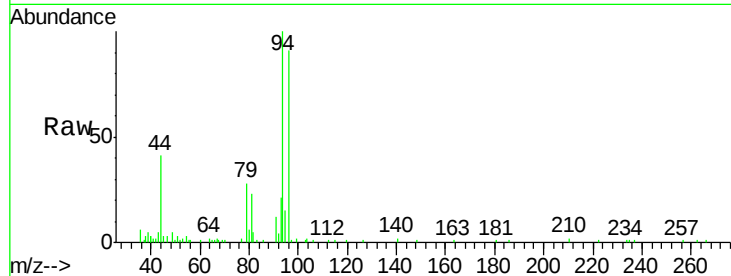
ClientSampleId :

Tot Ion: 94 Resp: 15451

Ion Ratio Lower Upper

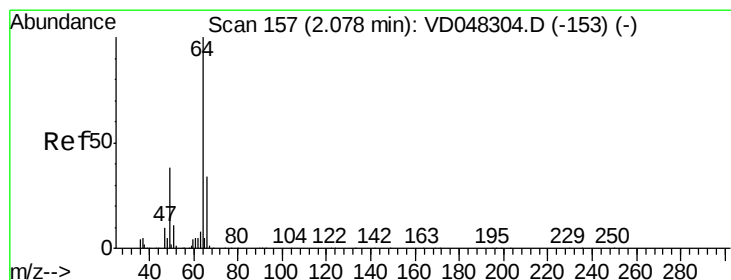
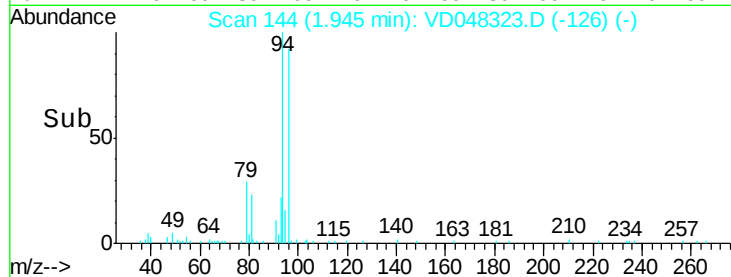
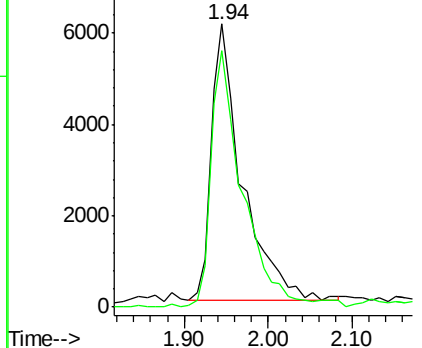
94 100

96 90.6 76.0 114.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 16.30 ug/l

RT: 2.05 min Scan# 155

Delta R.T. -0.03 min

Lab File: VD048323.D

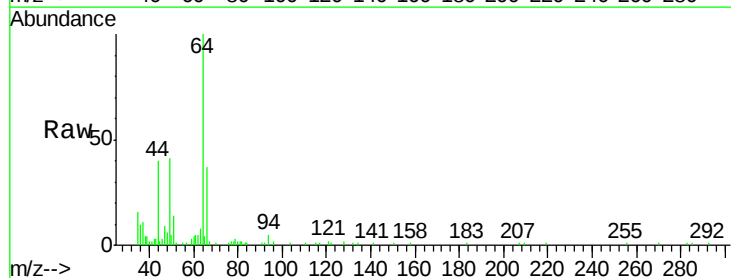
Acq: 6 Jan 2016 15:46

Tgt Ion: 64 Resp: 14009

Ion Ratio Lower Upper

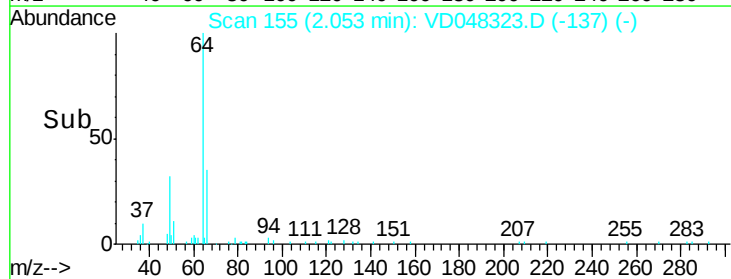
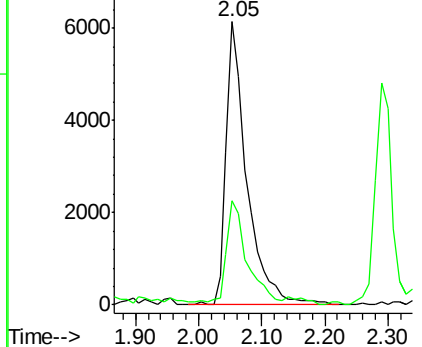
64 100

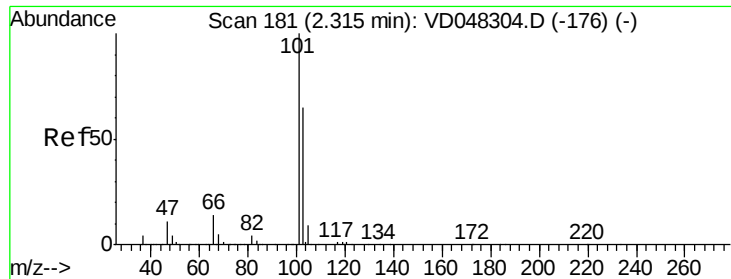
66 36.9 27.0 40.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



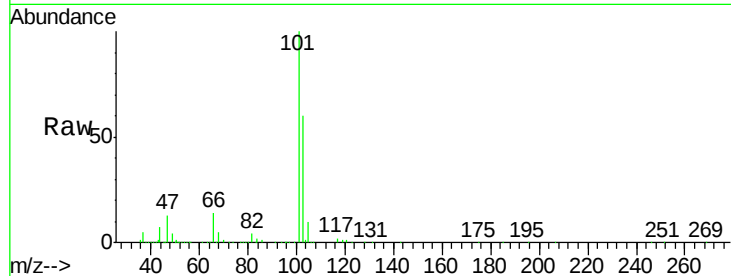


#7

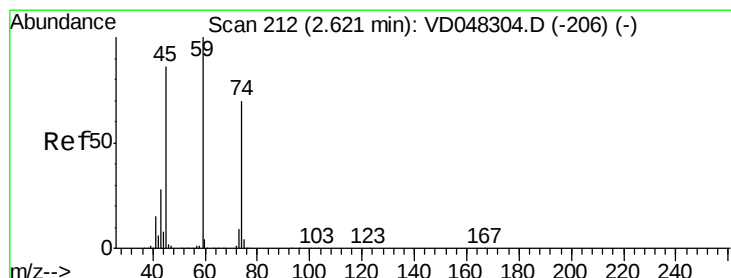
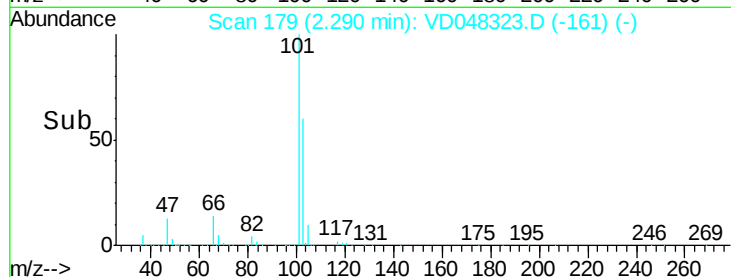
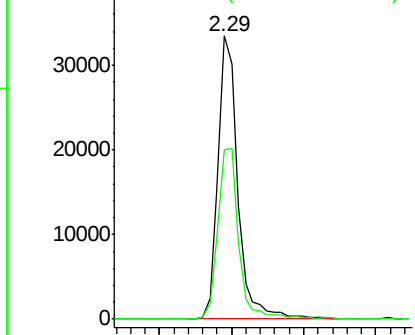
Trichlorofluoromethane
 Concen: 19.03 ug/l
 RT: 2.29 min Scan# 179
 Delta R.T. -0.03 min
 Lab File: VD048323.D
 Acq: 6 Jan 2016 15:46

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:101 Resp: 63386
 Ion Ratio Lower Upper
 101 100
 103 60.0 49.4 74.0



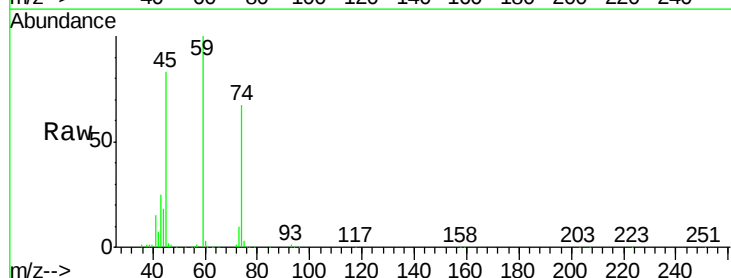
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



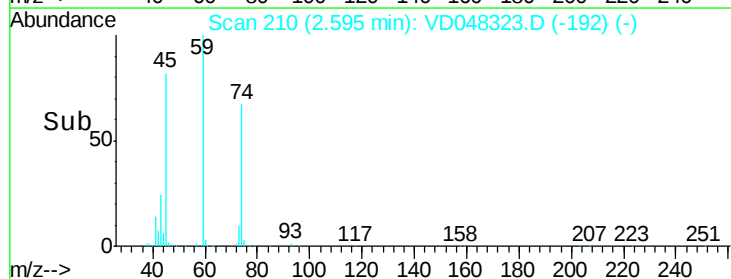
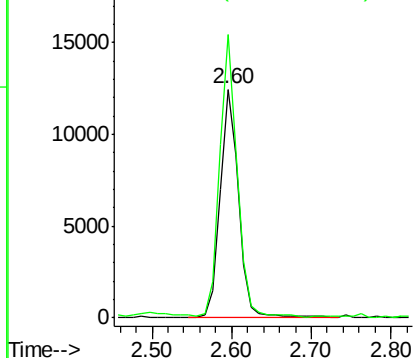
#8

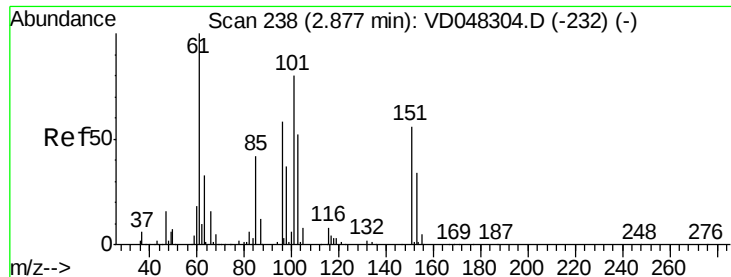
Diethyl Ether
 Concen: 21.18 ug/l
 RT: 2.60 min Scan# 210
 Delta R.T. -0.03 min
 Lab File: VD048323.D
 Acq: 6 Jan 2016 15:46

Tgt Ion: 74 Resp: 20560
 Ion Ratio Lower Upper
 74 100
 45 123.7 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: 19.02 ug/l

RT: 2.85 min Scan# 236

Delta R.T. -0.03 min

Lab File: VD048323.D

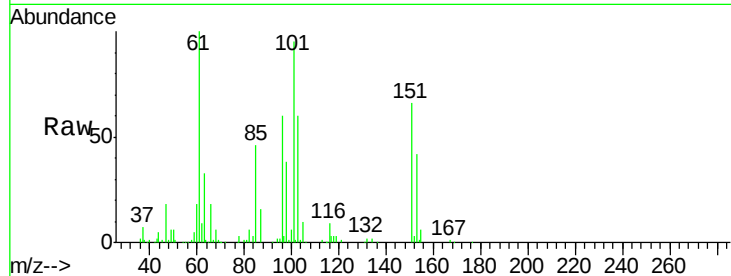
Acq: 6 Jan 2016 15:46

Instrument :

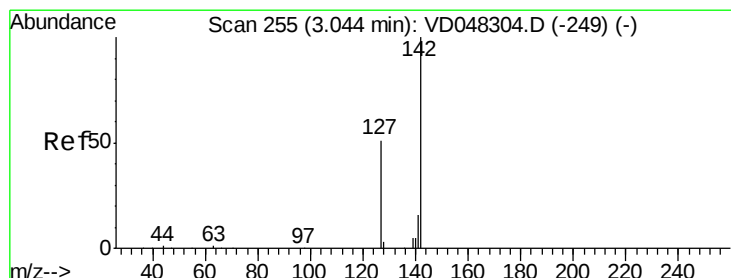
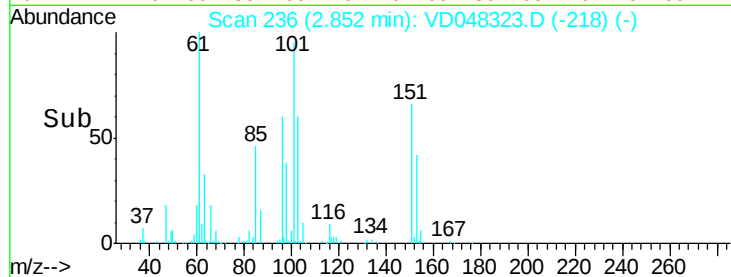
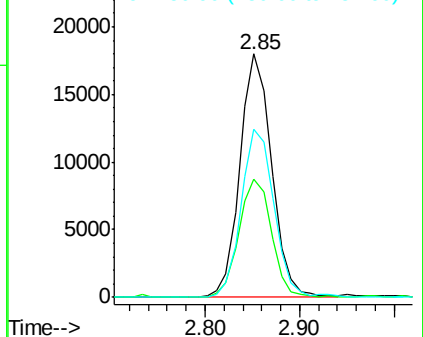
BNA_F

ClientSampled :

Tot Ion:	101	Resp:	42055
Ion	Ratio	Lower	Upper
101	100		
85	48.6	41.0	61.4
151	69.2	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: 17.96 ug/l

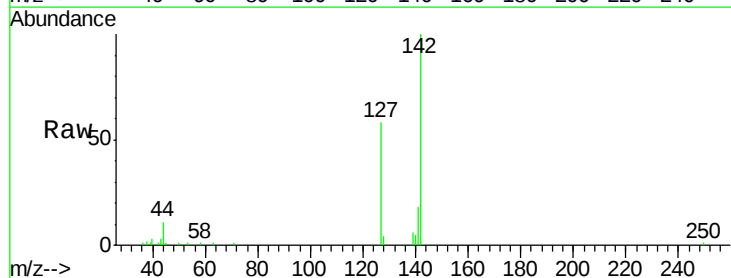
RT: 3.02 min Scan# 253

Delta R.T. -0.02 min

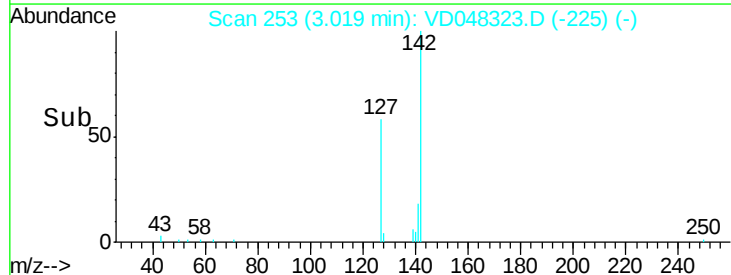
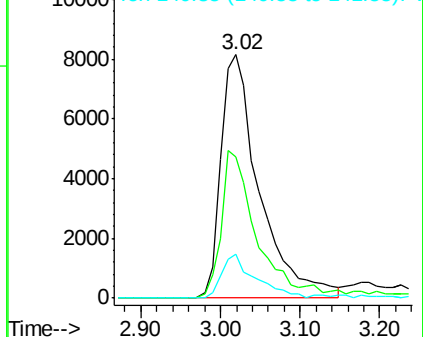
Lab File: VD048323.D

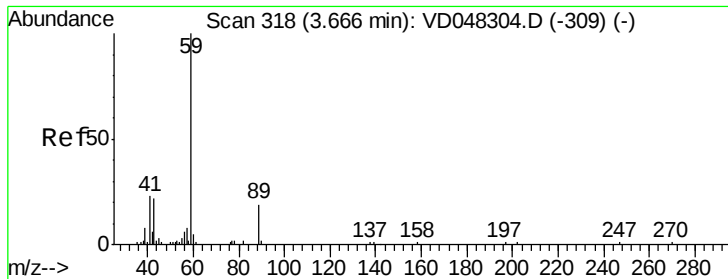
Acq: 6 Jan 2016 15:46

Tgt Ion:	142	Resp:	27635
Ion	Ratio	Lower	Upper
142	100		
127	57.8	40.6	61.0
141	18.3	11.1	16.7#



Abundance Ion 141.85 (141.55 to 142.55): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.85 (140.55 to 141.55): V



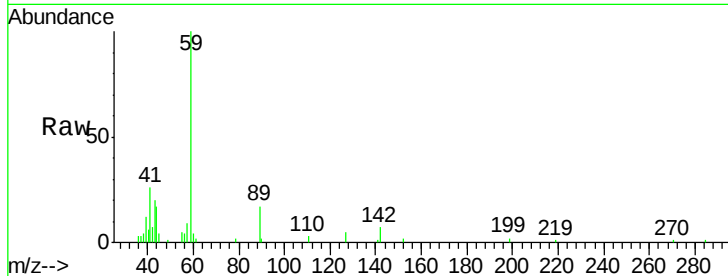


#11

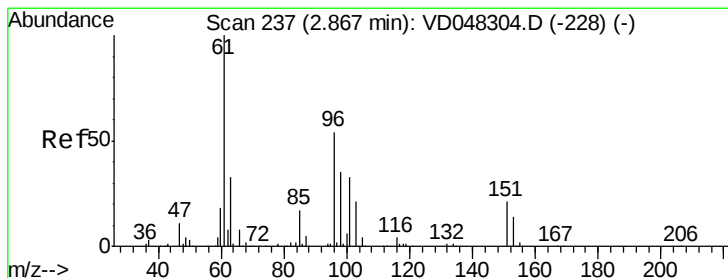
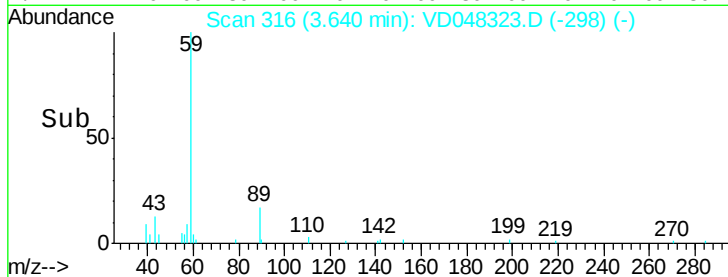
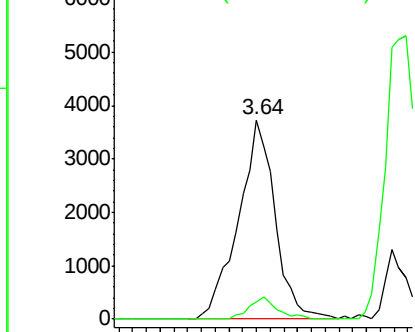
Tert butyl alcohol
Concen: 111.12 ug/l
RT: 3.64 min Scan# 316
Delta R.T. -0.02 min
Lab File: VD048323.D
Acq: 6 Jan 2016 15:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 59 Resp: 13792
Ion Ratio Lower Upper
59 100
57 8.8 7.9 11.9



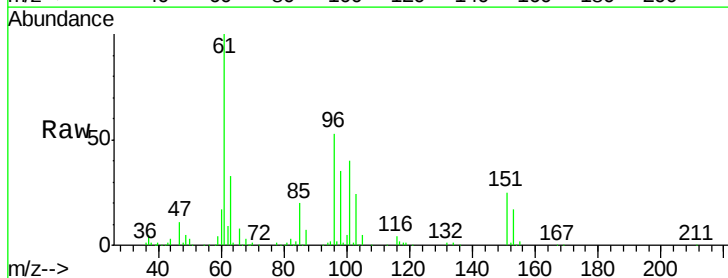
Abundance Ion 58.95 (58.65 to 59.65): VDC
Ion 56.95 (56.65 to 57.65): VDC



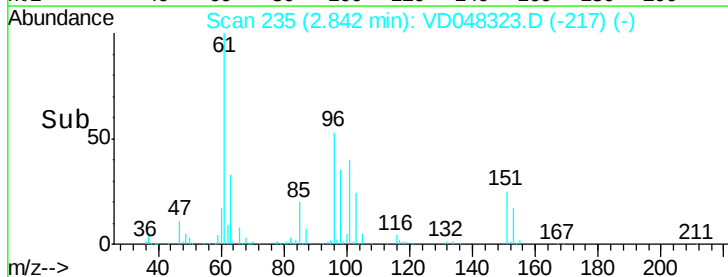
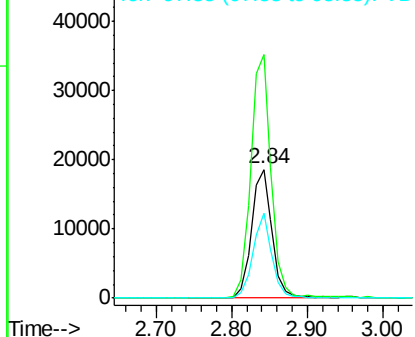
#12

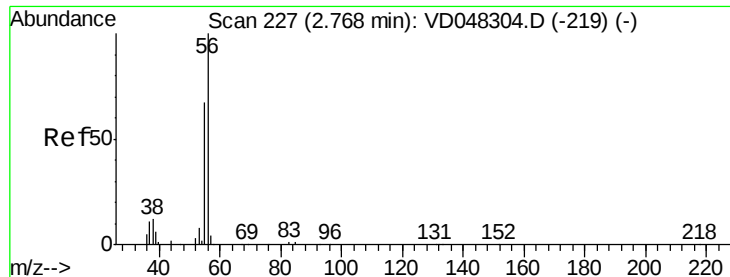
1,1-Dichloroethene
Concen: 18.60 ug/l
RT: 2.84 min Scan# 235
Delta R.T. -0.03 min
Lab File: VD048323.D
Acq: 6 Jan 2016 15:46

Tgt Ion: 96 Resp: 35308
Ion Ratio Lower Upper
96 100
61 189.4 150.1 225.1
98 66.2 50.6 76.0



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





#13

Acrolein

Concen: 111.75 ug/l

RT: 2.74 min Scan# 225

Delta R.T. -0.03 min

Lab File: VD048323.D

Acq: 6 Jan 2016 15:46

Instrument :

BNA_F

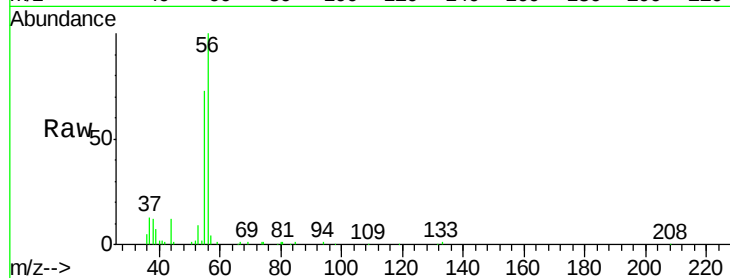
ClientSampled :

Tot Ion: 56 Resp: 21825

Ion Ratio Lower Upper

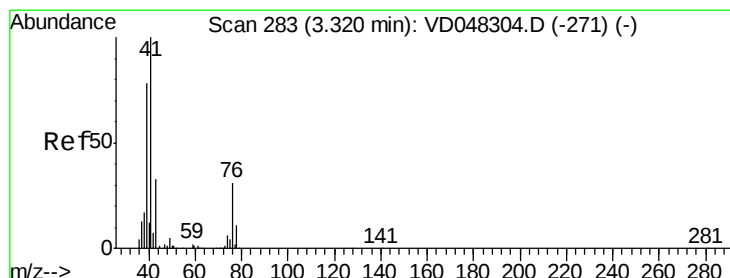
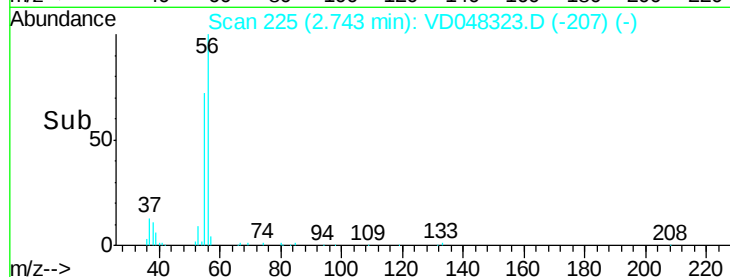
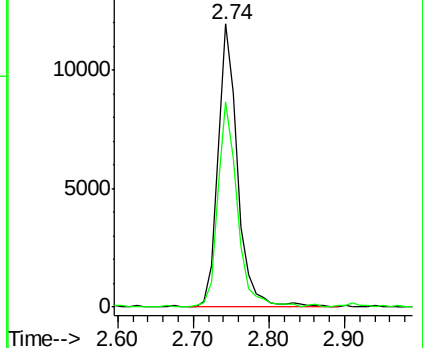
56 100

55 72.6 52.2 78.4



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 18.05 ug/l

RT: 3.29 min Scan# 280

Delta R.T. -0.04 min

Lab File: VD048323.D

Acq: 6 Jan 2016 15:46

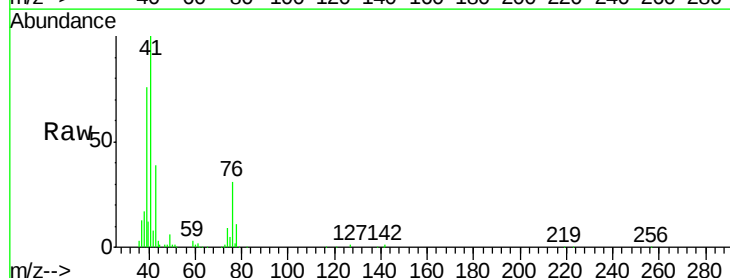
Tgt Ion: 41 Resp: 69867

Ion Ratio Lower Upper

41 100

39 76.2 62.5 93.7

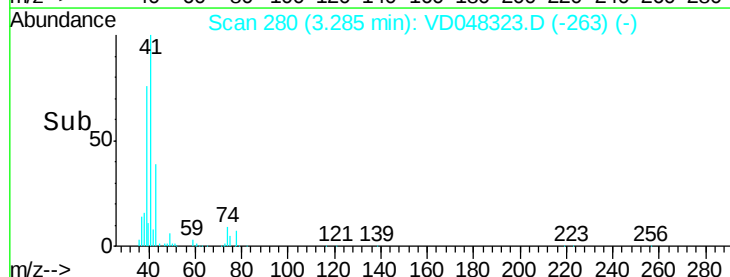
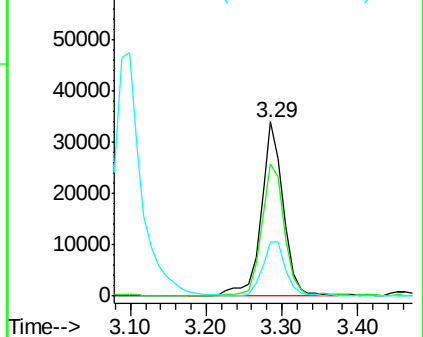
76 31.3 27.3 40.9

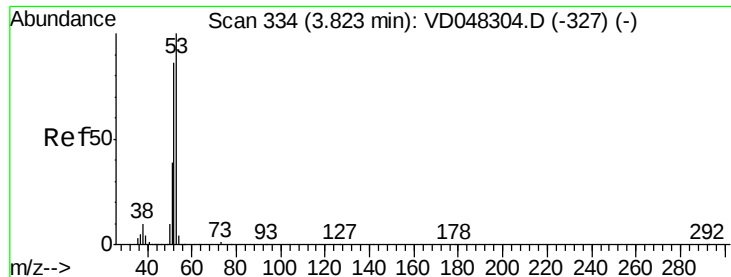


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 113.01 ug/l

RT: 3.79 min Scan# 331

Delta R.T. -0.04 min

Lab File: VD048323.D

Acq: 6 Jan 2016 15:46

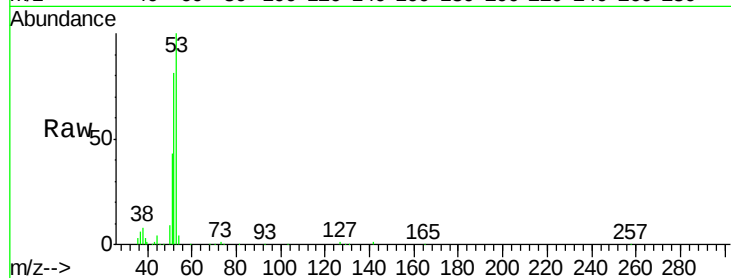
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 53 Resp: 45239

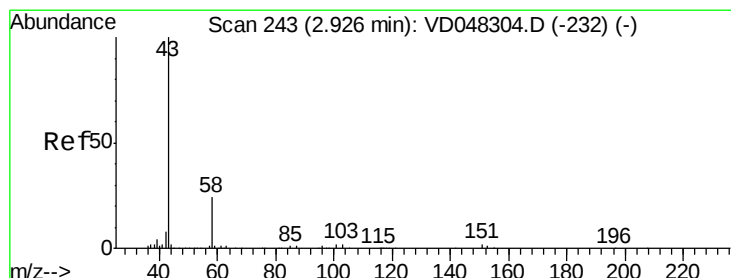
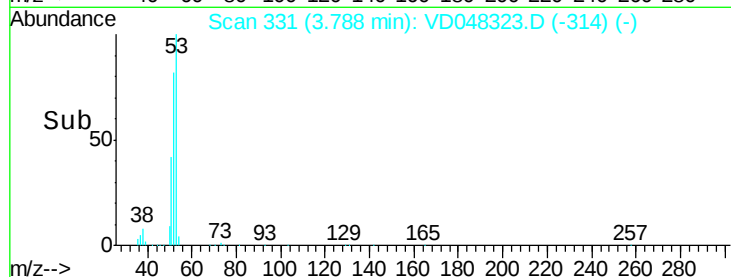
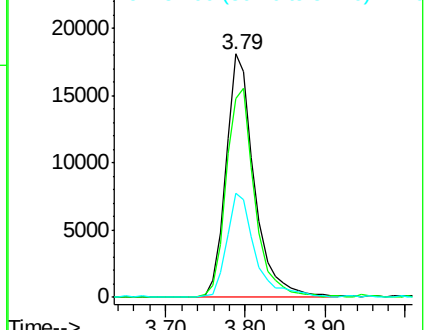
Ion	Ratio	Lower	Upper
53	100		
52	81.5	65.7	98.5
51	42.6	29.9	44.9



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 98.81 ug/l

RT: 2.91 min Scan# 242

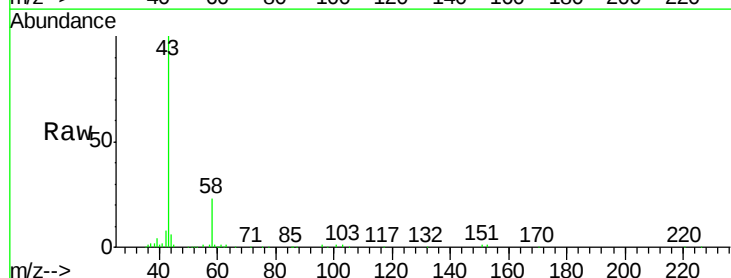
Delta R.T. -0.02 min

Lab File: VD048323.D

Acq: 6 Jan 2016 15:46

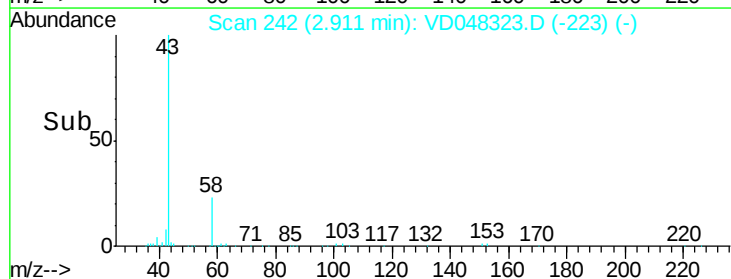
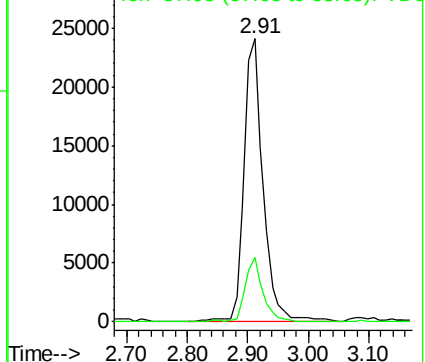
Tgt Ion: 43 Resp: 53154

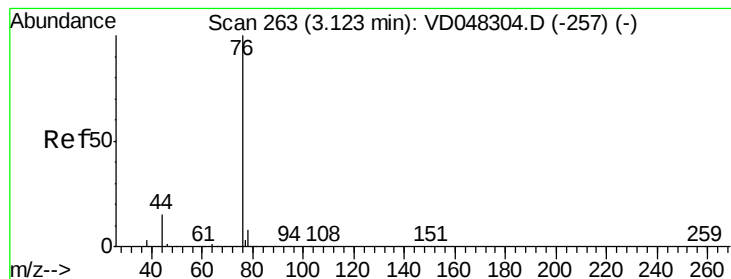
Ion	Ratio	Lower	Upper
43	100		
58	22.9	20.6	30.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 17.26 ug/l

RT: 3.10 min Scan# 261

Delta R.T. -0.03 min

Lab File: VD048323.D

Acq: 6 Jan 2016 15:46

Instrument :

BNA_F

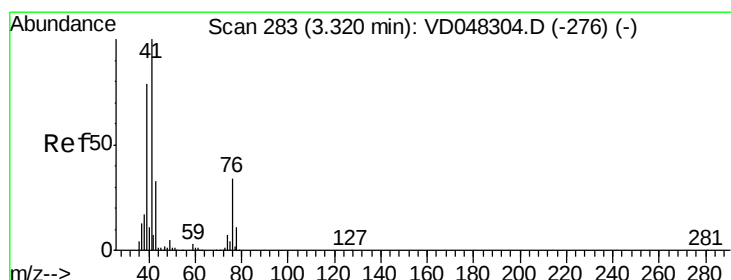
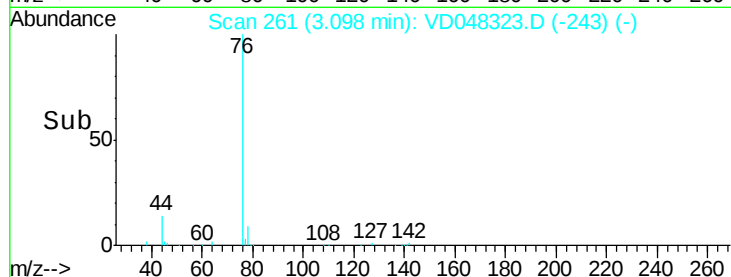
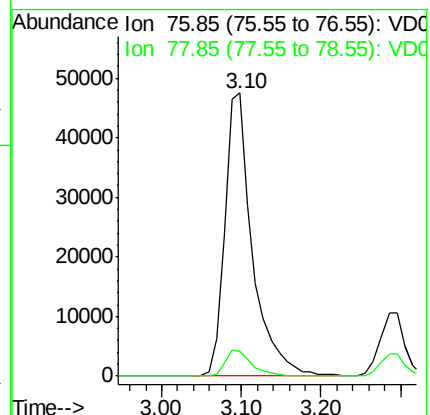
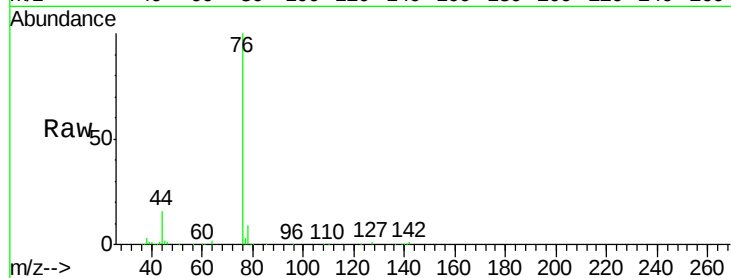
ClientSampleId :

Tot Ion: 76 Resp: 115388

Ion Ratio Lower Upper

76 100

78 9.0 7.1 10.7



#18

Methyl Acetate

Concen: 24.85 ug/l

RT: 3.30 min Scan# 281

Delta R.T. -0.02 min

Lab File: VD048323.D

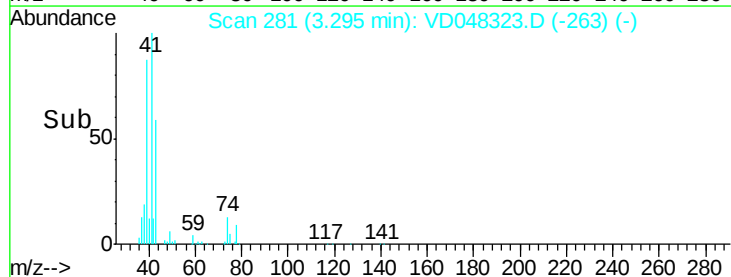
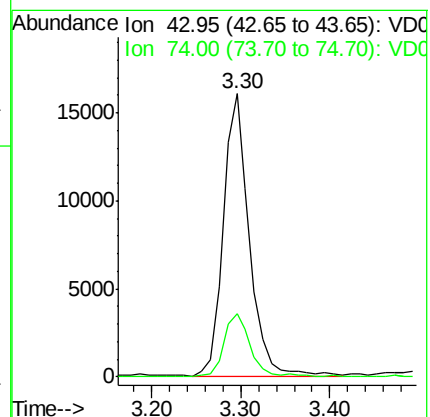
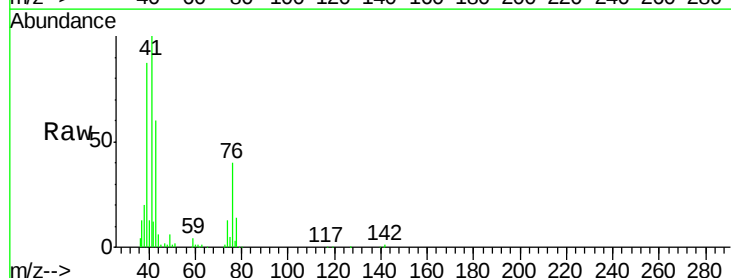
Acq: 6 Jan 2016 15:46

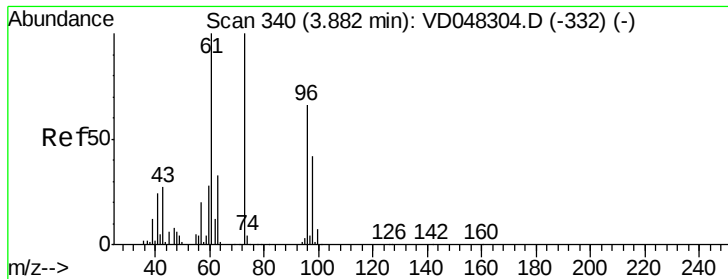
Tgt Ion: 43 Resp: 33218

Ion Ratio Lower Upper

43 100

74 22.3 15.2 22.8

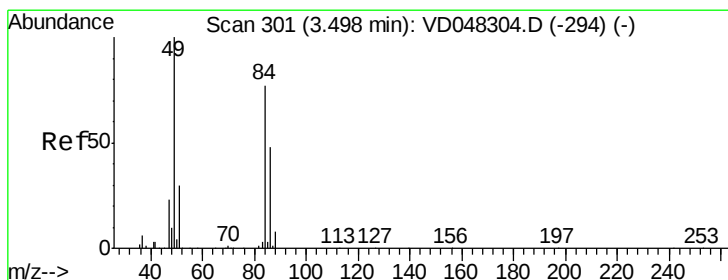
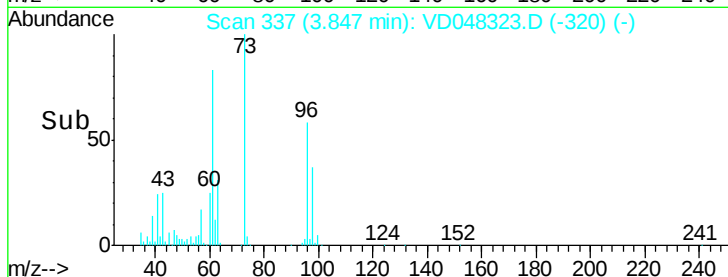
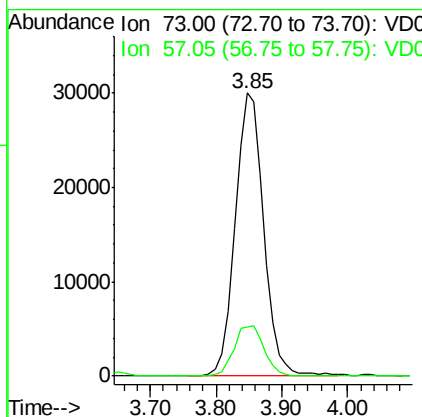
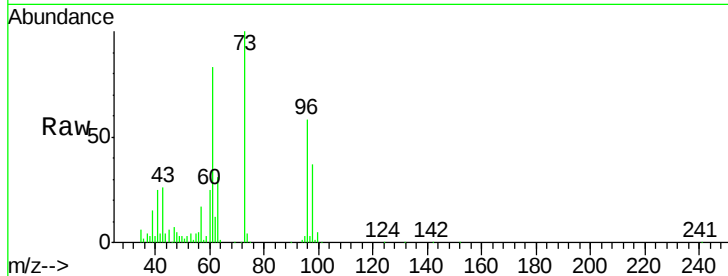




#19
Methvl tert-butvl Ether
Concen: 22.23 ug/l
RT: 3.85 min Scan# 337
Delta R.T. -0.04 min
Lab File: VD048323.D
Acq: 6 Jan 2016 15:46

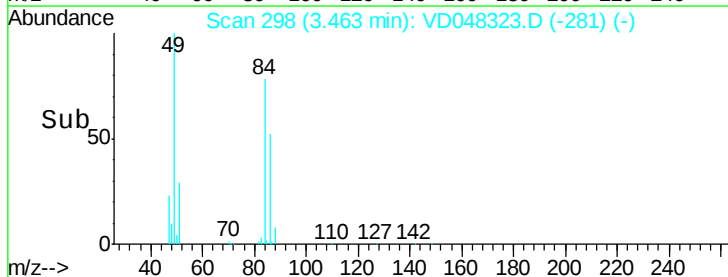
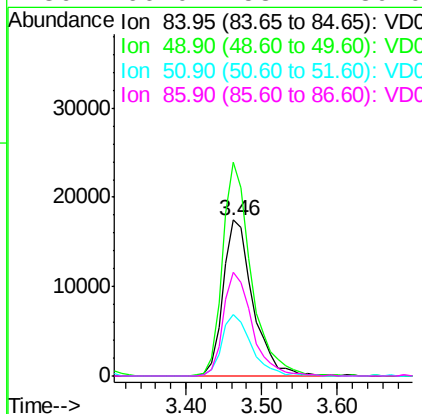
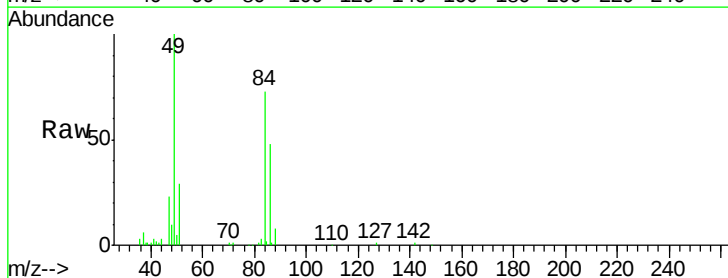
Instrument :
BNA_F
ClientSampleId :

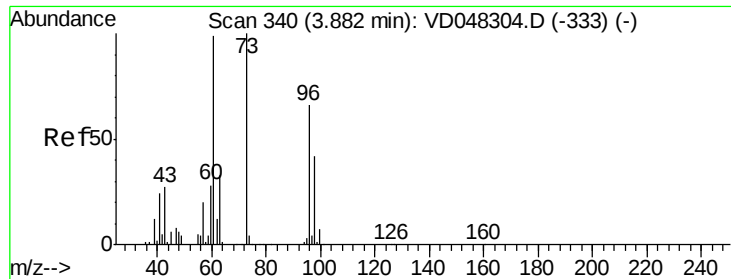
Tot Ion: 73 Resp: 90986
Ion Ratio Lower Upper
73 100
57 17.5 15.1 22.7



#20
Methylene Chloride
Concen: 18.88 ug/l
RT: 3.46 min Scan# 298
Delta R.T. -0.04 min
Lab File: VD048323.D
Acq: 6 Jan 2016 15:46

Tgt Ion: 84 Resp: 47554
Ion Ratio Lower Upper
84 100
49 136.8 106.5 159.7
51 39.3 33.2 49.8
86 66.0 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 18.88 ug/l

RT: 3.85 min Scan# 337

Delta R.T. -0.04 min

Lab File: VD048323.D

Acq: 6 Jan 2016 15:46

Instrument :

BNA_F

ClientSampleId :

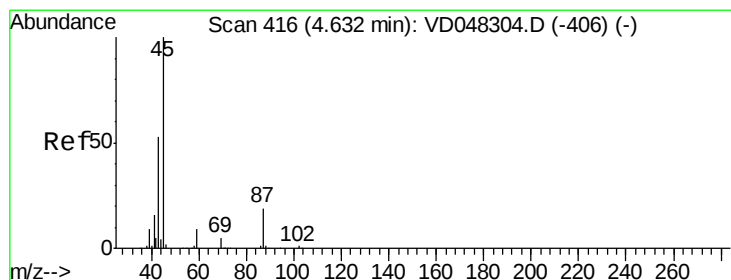
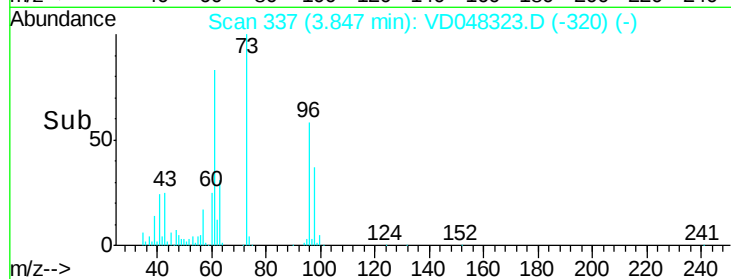
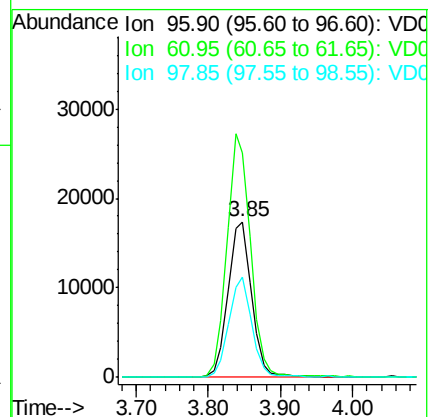
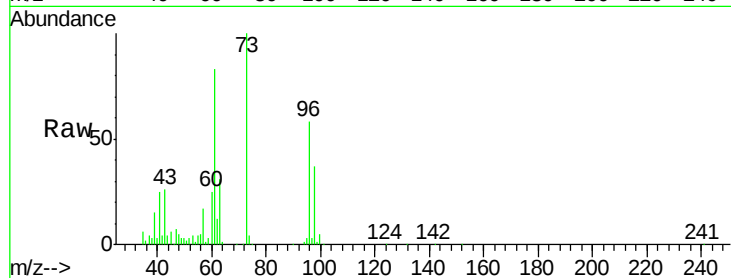
Tot Ion: 96 Resp: 39640

Ion Ratio Lower Upper

96 100

61 143.6 129.7 194.5

98 64.5 49.1 73.7



#22

Diisopropyl ether

Concen: 20.35 ug/l

RT: 4.60 min Scan# 413

Delta R.T. -0.04 min

Lab File: VD048323.D

Acq: 6 Jan 2016 15:46

Tgt Ion: 45 Resp: 148813

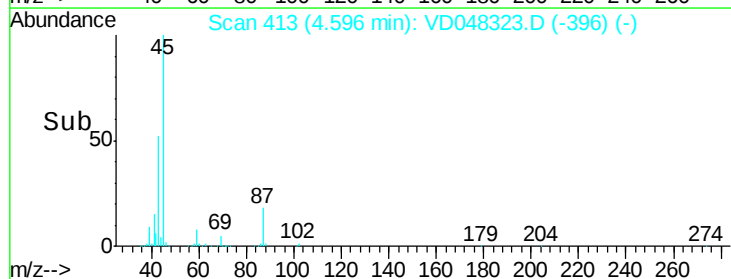
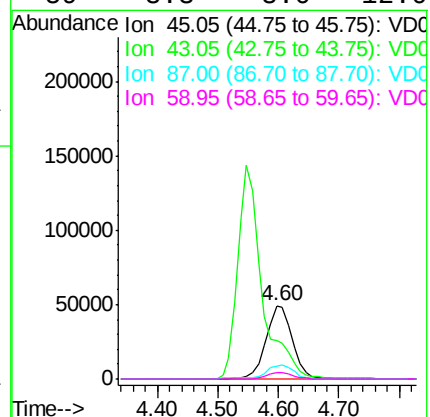
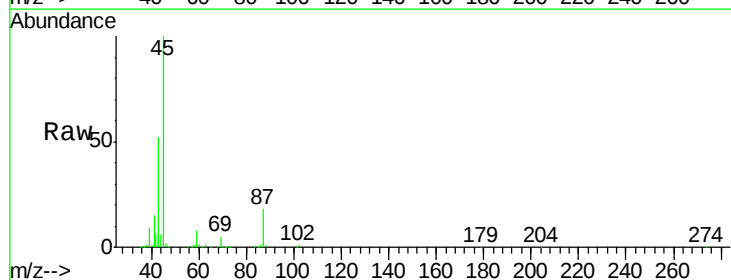
Ion Ratio Lower Upper

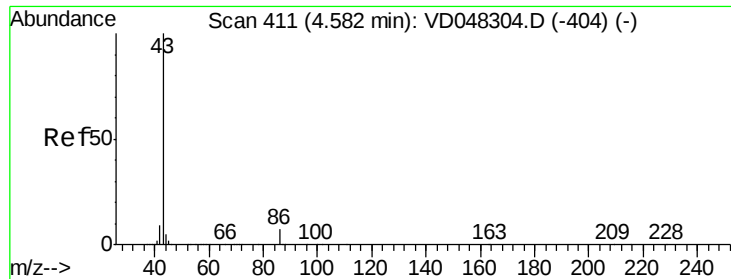
45 100

43 52.0 40.0 60.0

87 18.1 15.8 23.8

59 8.3 8.0 12.0





#23

Vinyl Acetate

Concen: 113.23 ug/l

RT: 4.55 min Scan# 408

Delta R.T. -0.04 min

Lab File: VD048323.D

Acq: 6 Jan 2016 15:46

Instrument :

BNA_F

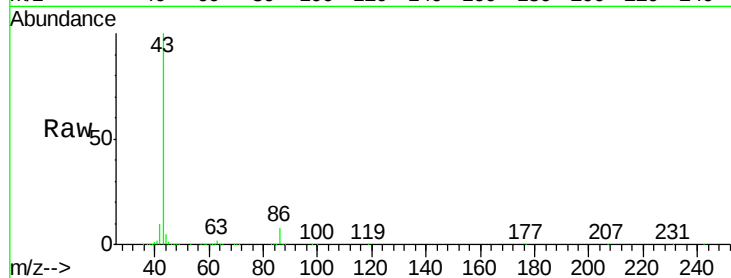
ClientSampleId :

Tot Ion: 43 Resp: 408549

Ion Ratio Lower Upper

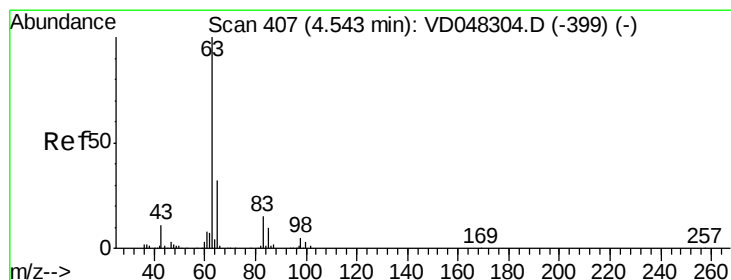
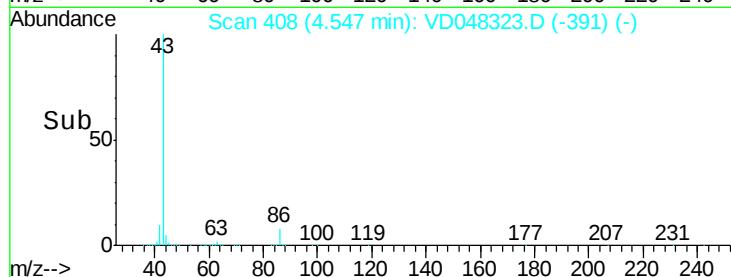
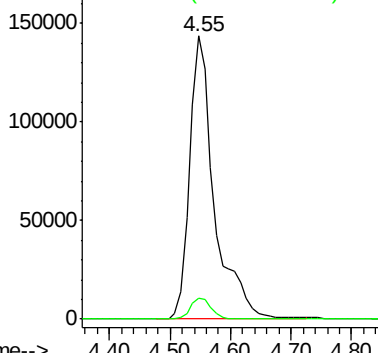
43 100

86 7.6 6.3 9.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 19.38 ug/l

RT: 4.51 min Scan# 404

Delta R.T. -0.04 min

Lab File: VD048323.D

Acq: 6 Jan 2016 15:46

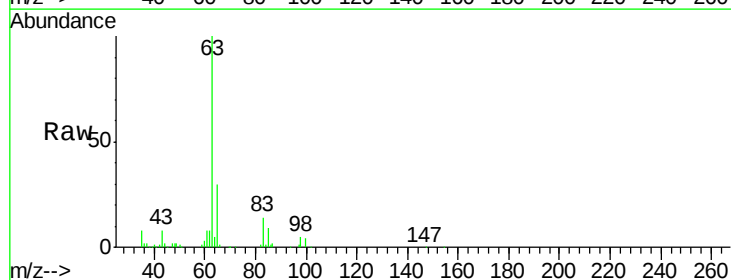
Tgt Ion: 63 Resp: 82489

Ion Ratio Lower Upper

63 100

98 4.8 2.5 7.5

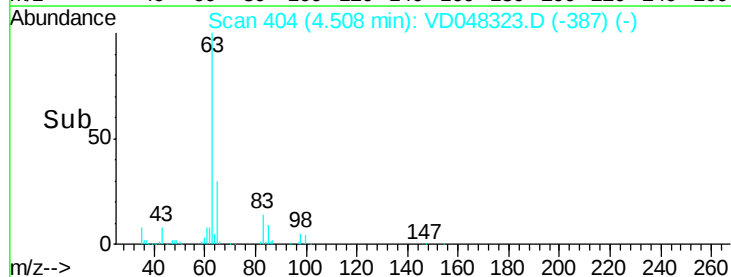
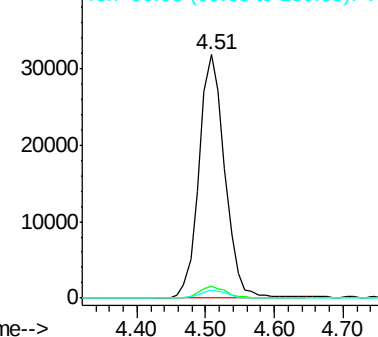
100 3.6 1.6 4.7

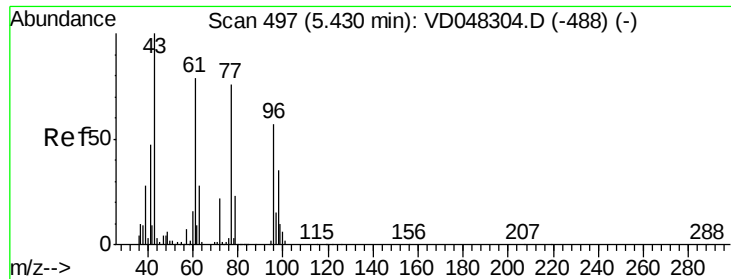


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 126.66 ug/l

RT: 5.39 min Scan# 494

Delta R.T. -0.04 min

Lab File: VD048323.D

Acq: 6 Jan 2016 15:46

Instrument :

BNA_F

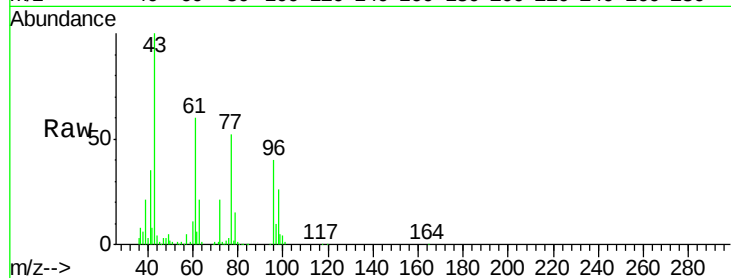
ClientSampleId :

Tot Ion: 43 Resp: 73768

Ion Ratio Lower Upper

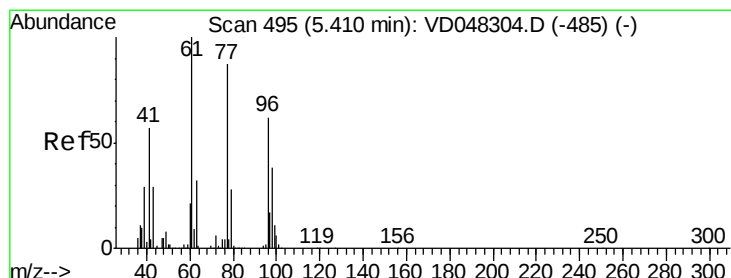
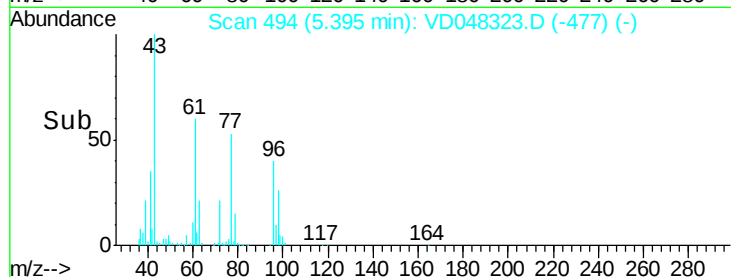
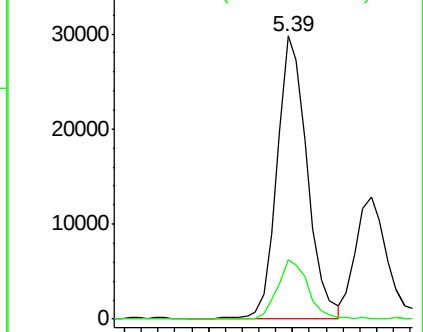
43 100

72 21.1 17.8 26.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 18.17 ug/l

RT: 5.38 min Scan# 492

Delta R.T. -0.03 min

Lab File: VD048323.D

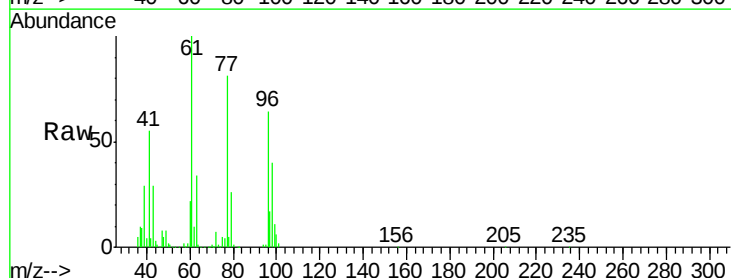
Acq: 6 Jan 2016 15:46

Tgt Ion: 77 Resp: 71978

Ion Ratio Lower Upper

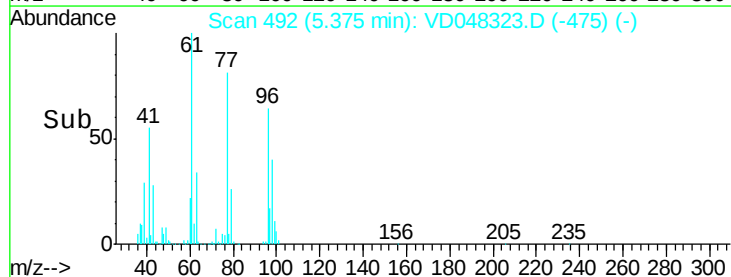
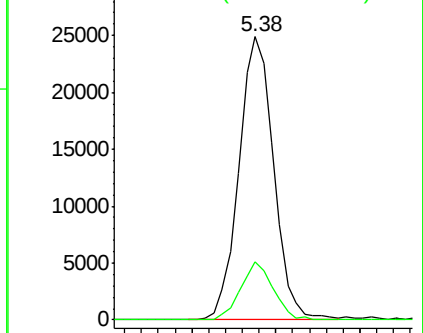
77 100

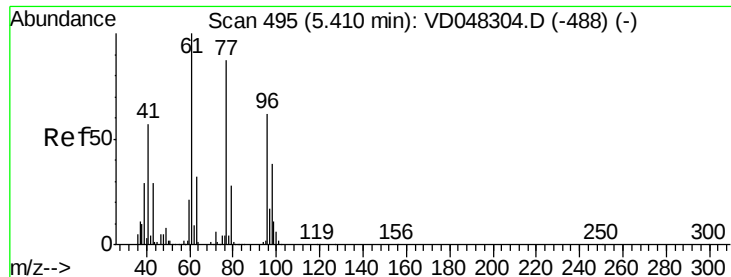
97 20.5 10.5 31.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



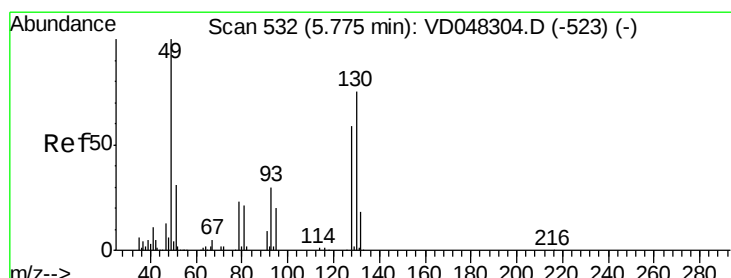
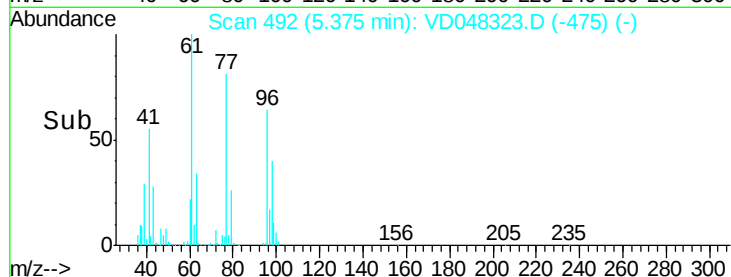
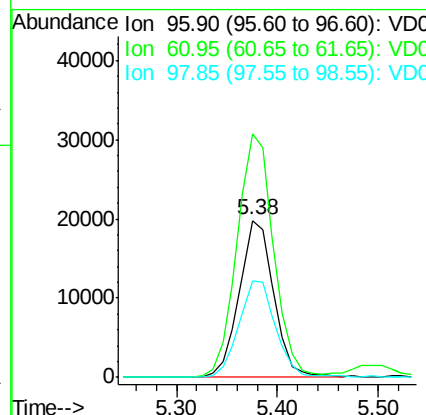
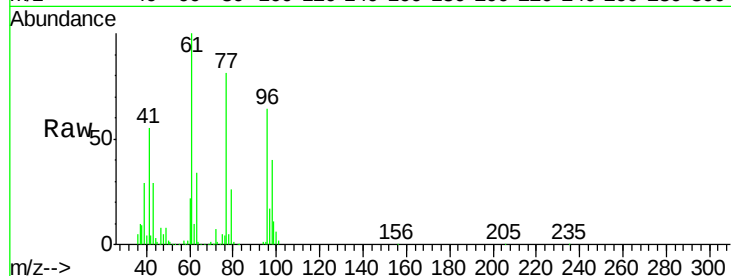


#27

cis-1,2-Dichloroethene
Concen: 19.31 ug/l
RT: 5.38 min Scan# 492
Delta R.T. -0.04 min
Lab File: VD048323.D
Acq: 6 Jan 2016 15:46

Instrument :
BNA_F
ClientSampleId :

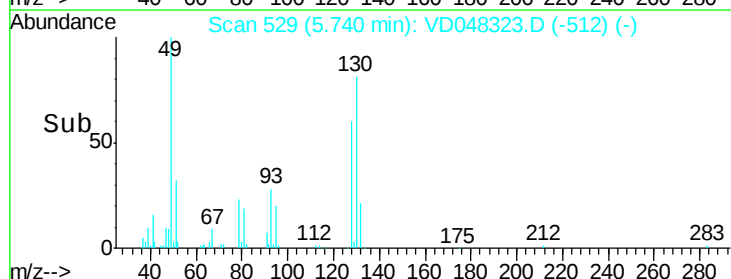
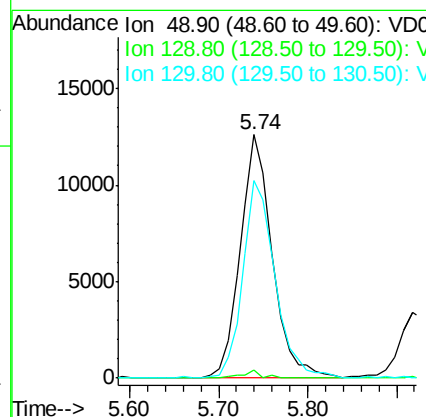
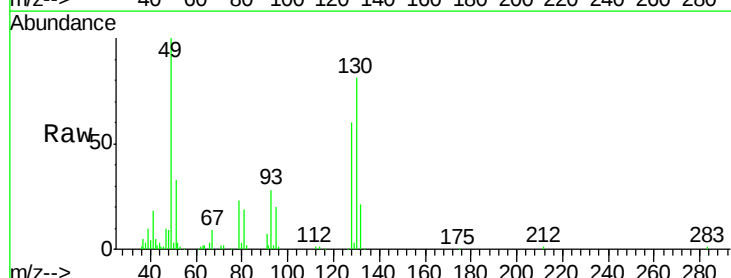
Tot Ion: 96 Resp: 47235
Ion Ratio Lower Upper
96 100
61 155.5 0.0 332.6
98 61.7 0.0 130.8

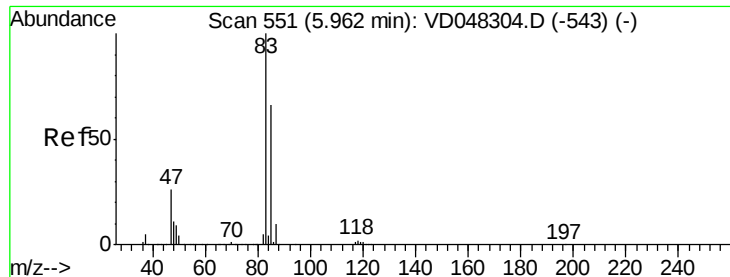


#28

Bromochloromethane
Concen: 17.74 ug/l
RT: 5.74 min Scan# 529
Delta R.T. -0.04 min
Lab File: VD048323.D
Acq: 6 Jan 2016 15:46

Tgt Ion: 49 Resp: 31441
Ion Ratio Lower Upper
49 100
129 3.4 0.0 4.2
130 81.0 62.3 93.5

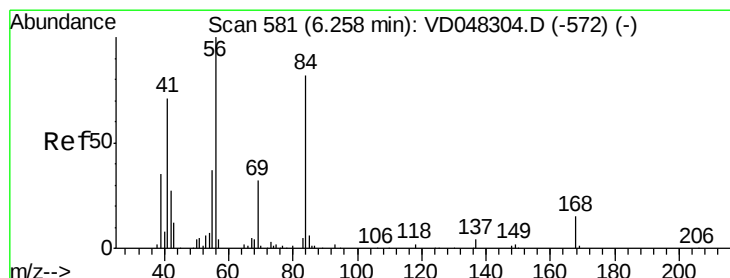
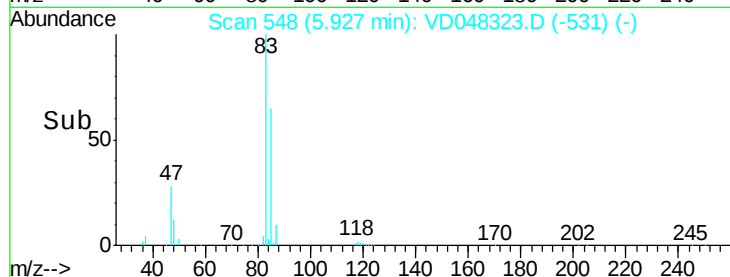
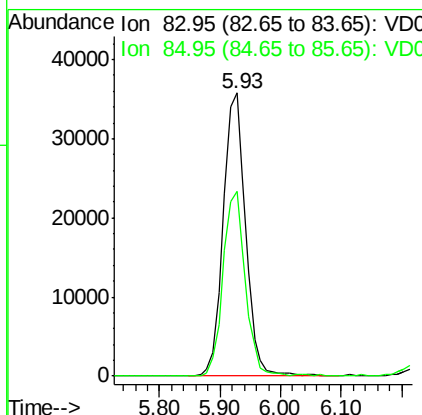
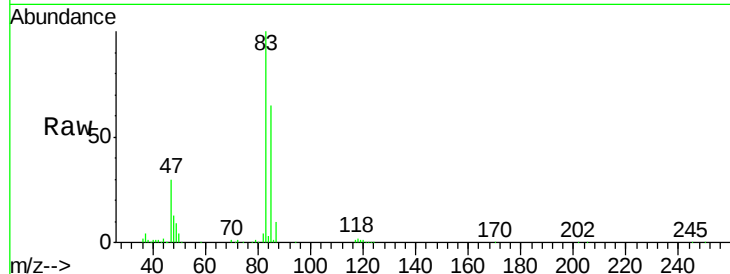




#29
Chloroform
Concen: 19.76 ug/l
RT: 5.93 min Scan# 548
Delta R.T. -0.04 min
Lab File: VD048323.D
Acq: 6 Jan 2016 15:46

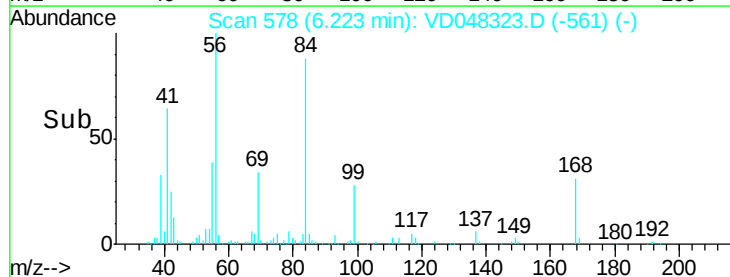
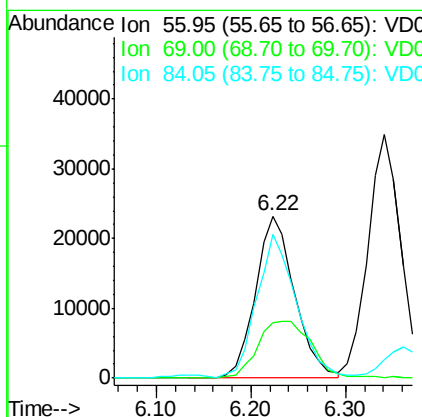
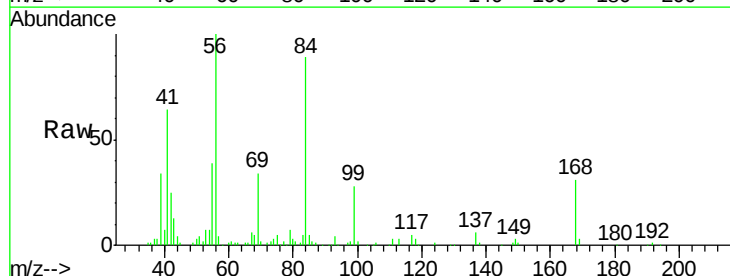
Instrument :
BNA_F
ClientSampleId :

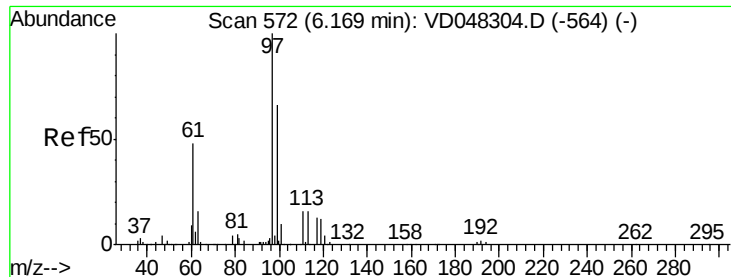
Tot Ion: 83 Resp: 92331
Ion Ratio Lower Upper
83 100
85 65.2 50.2 75.4



#30
Cyclohexane
Concen: 18.86 ug/l
RT: 6.22 min Scan# 578
Delta R.T. -0.04 min
Lab File: VD048323.D
Acq: 6 Jan 2016 15:46

Tgt Ion: 56 Resp: 66926
Ion Ratio Lower Upper
56 100
69 34.1 26.2 39.2
84 88.6 68.5 102.7





#31

1,1,1-Trichloroethane

Concen: 19.75 ug/l

RT: 6.13 min Scan# 569

Delta R.T. -0.04 min

Lab File: VD048323.D

Acq: 6 Jan 2016 15:46

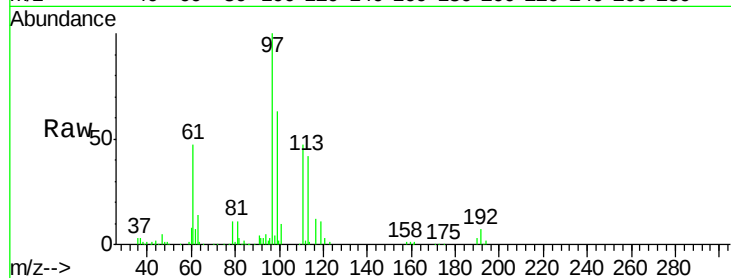
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 97 Resp: 71801

Ion	Ratio	Lower	Upper
97	100		
99	63.1	52.2	78.4
61	46.7	36.0	54.0



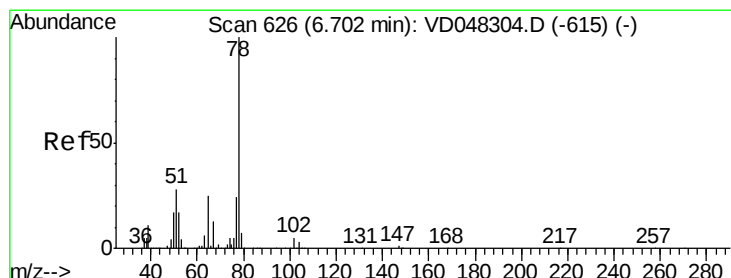
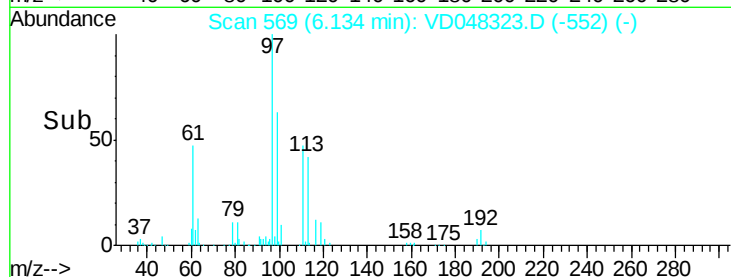
Abundance

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

Time-->



#32

1,2-Dichloroethane-d4

Concen: 19.75 ug/l

RT: 6.67 min Scan# 623

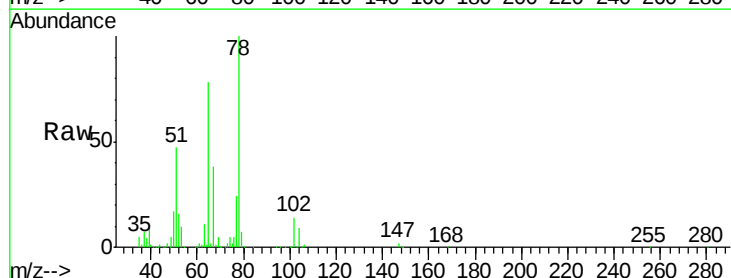
Delta R.T. -0.04 min

Lab File: VD048323.D

Acq: 6 Jan 2016 15:46

Tgt Ion: 65 Resp: 133138

Ion	Ratio	Lower	Upper
65	100		
67	49.1	0.0	106.0

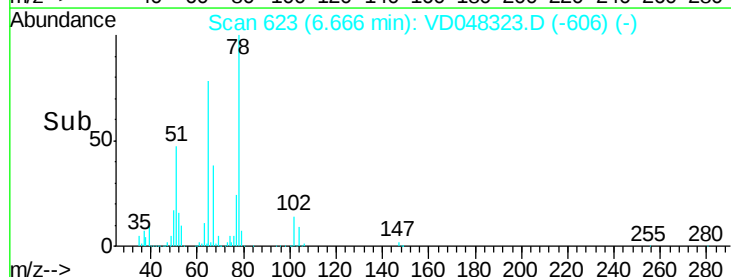


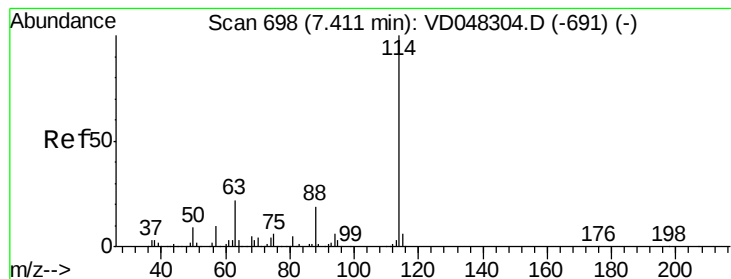
Abundance

Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

Time-->





#33

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 7.39 min Scan# 696

Delta R.T. -0.03 min

Lab File: VD048323.D

Acq: 6 Jan 2016 15:46

Instrument :

BNA_F

ClientSampleId :

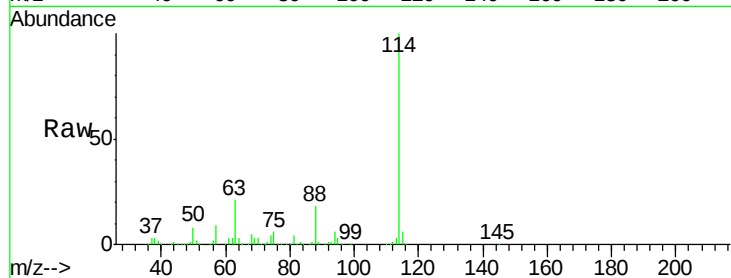
Tot Ion:114 Resp: 363080

Ion Ratio Lower Upper

114 100

63 20.6 0.0 39.4

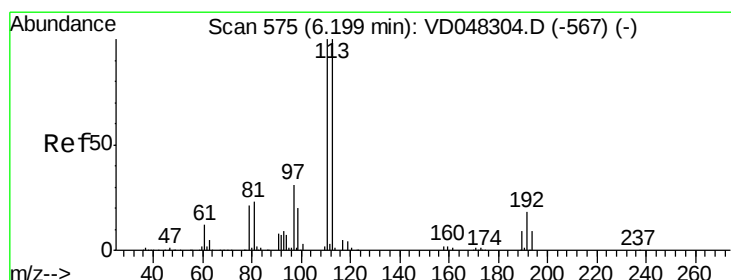
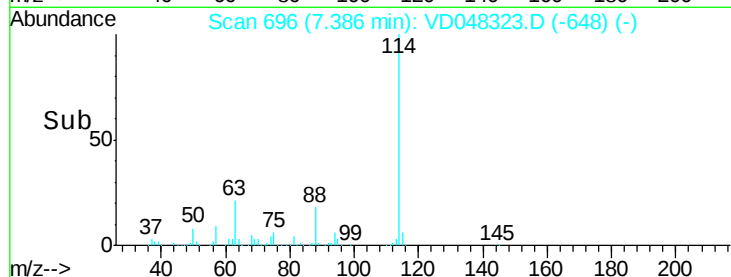
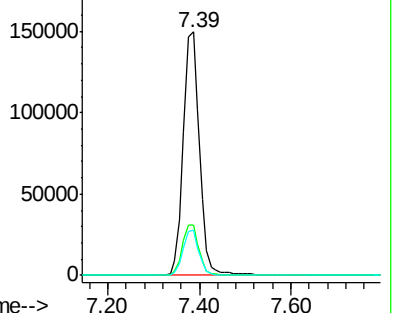
88 18.4 0.0 35.6



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# 572

Delta R.T. -0.04 min

Lab File: VD048323.D

Acq: 6 Jan 2016 15:46

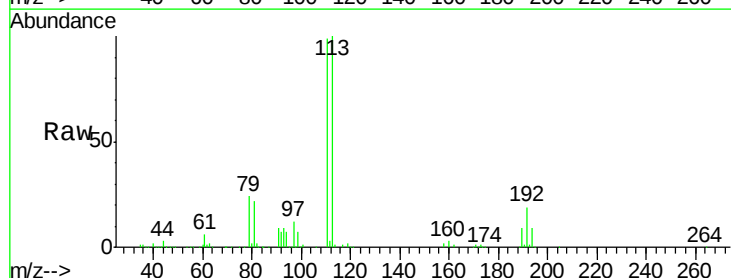
Tgt Ion:113 Resp: 122153

Ion Ratio Lower Upper

113 100

111 99.4 83.7 125.5

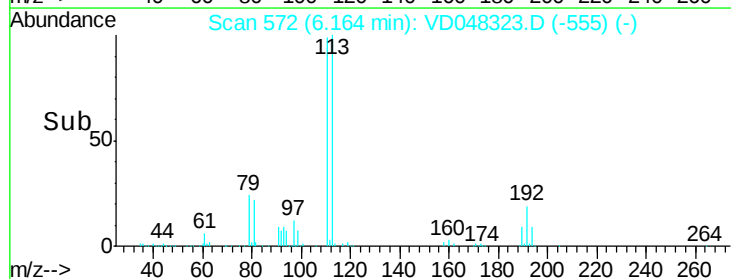
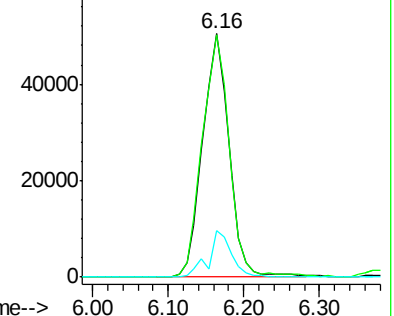
192 18.9 13.9 20.9

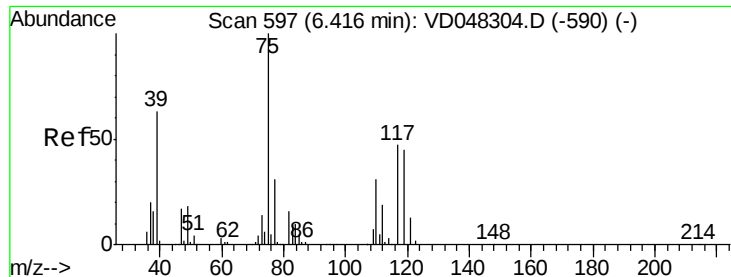


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#35

1,1-Dichloropropene

Concen: 19.32 ug/l

RT: 6.38 min Scan# 594

Delta R.T. -0.04 min

Lab File: VD048323.D

Acq: 6 Jan 2016 15:46

Instrument :

BNA_F

ClientSampleId :

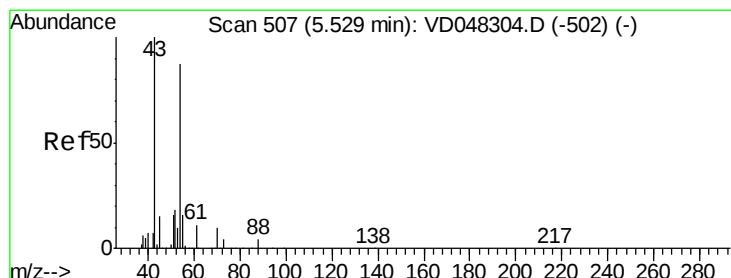
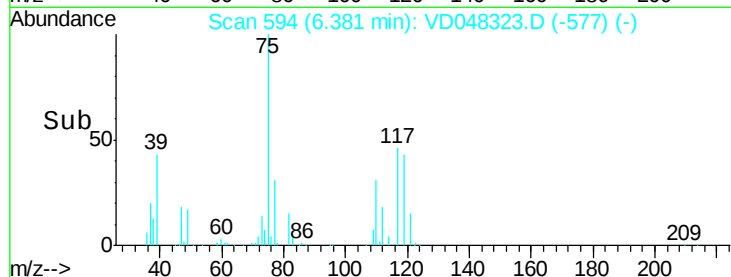
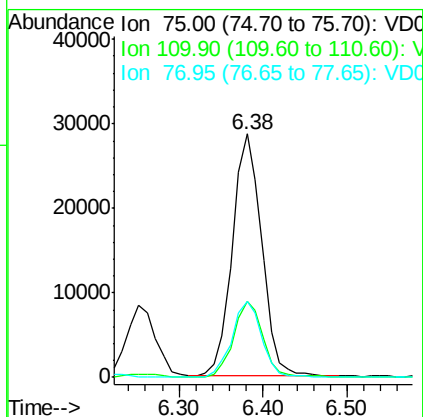
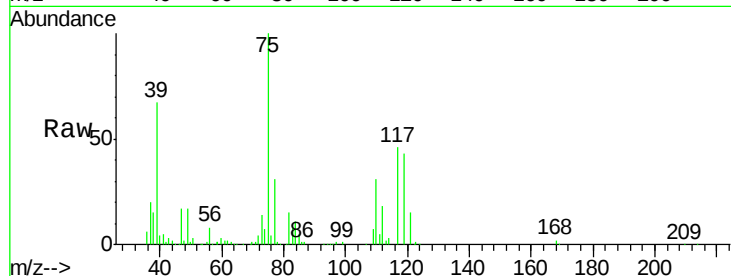
Tot Ion: 75 Resp: 69805

Ion Ratio Lower Upper

75 100

110 31.2 15.6 46.8

77 31.4 24.2 36.2



#36

Ethyl Acetate

Concen: 21.37 ug/l

RT: 5.49 min Scan# 504

Delta R.T. -0.04 min

Lab File: VD048323.D

Acq: 6 Jan 2016 15:46

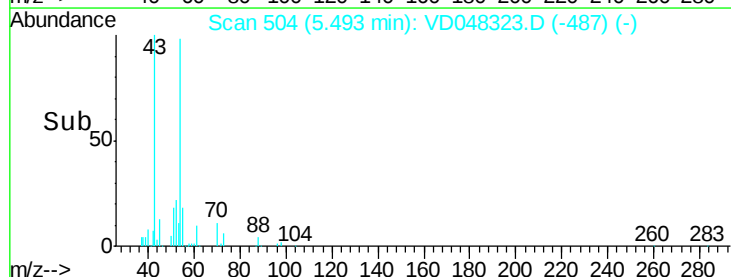
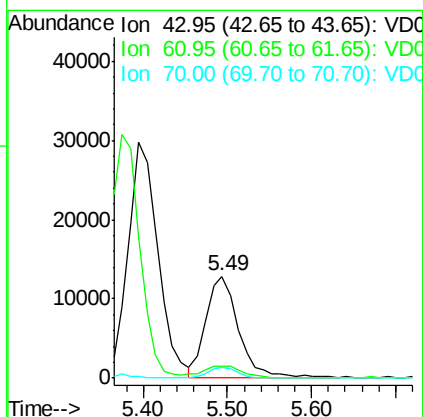
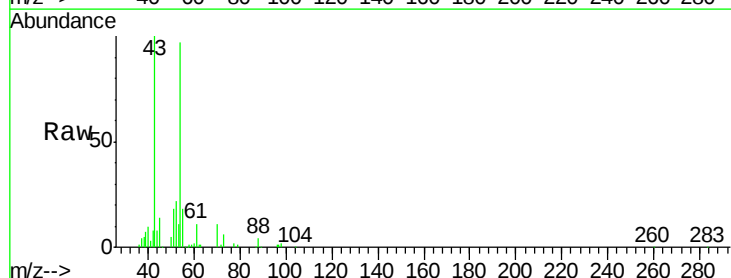
Tgt Ion: 43 Resp: 34094

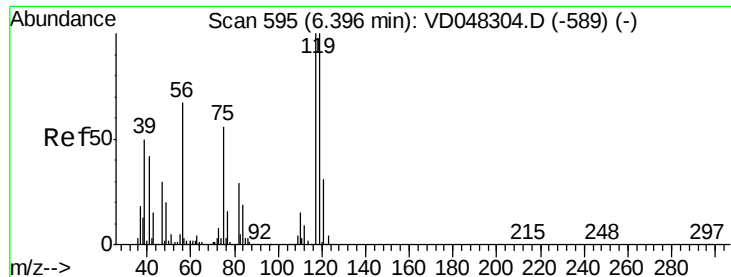
Ion Ratio Lower Upper

43 100

61 11.3 10.2 15.2

70 10.5 7.8 11.8





#37

Carbon Tetrachloride

Concen: 18.96 ug/l

RT: 6.36 min Scan# 592

Delta R.T. -0.04 min

Lab File: VD048323.D

Acq: 6 Jan 2016 15:46

Instrument :

BNA_F

ClientSampleId :

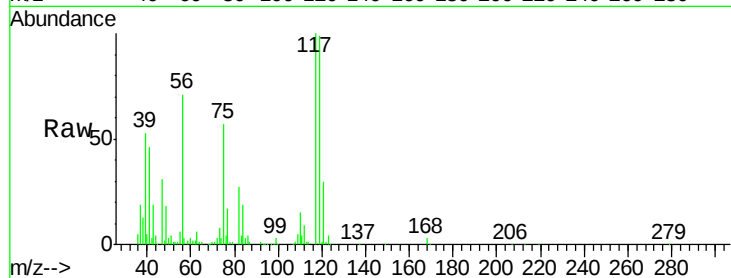
Tot Ion:117 Resp: 61005

Ion Ratio Lower Upper

117 100

119 98.5 79.8 119.8

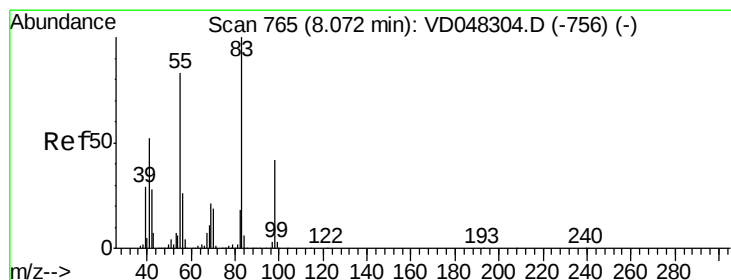
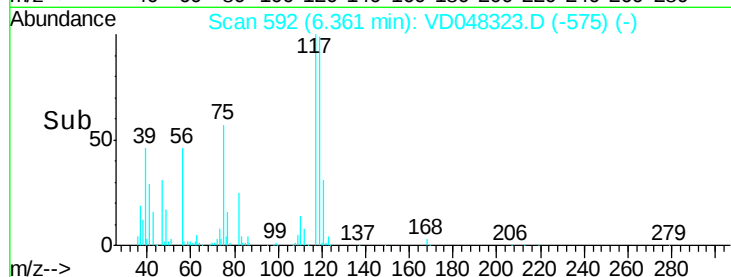
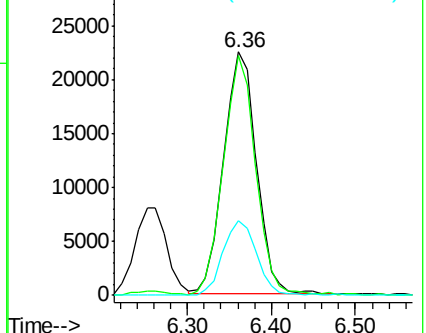
121 30.4 24.2 36.2



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: 19.21 ug/l

RT: 8.04 min Scan# 762

Delta R.T. -0.04 min

Lab File: VD048323.D

Acq: 6 Jan 2016 15:46

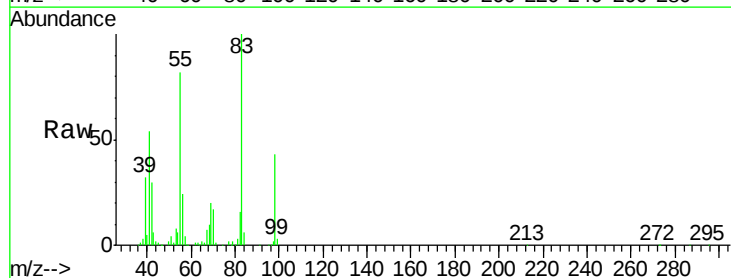
Tgt Ion: 83 Resp: 74677

Ion Ratio Lower Upper

83 100

55 82.1 72.0 108.0

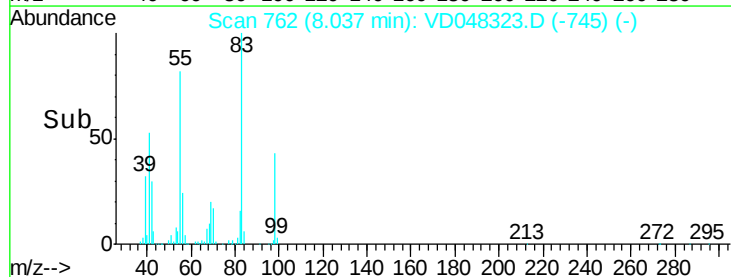
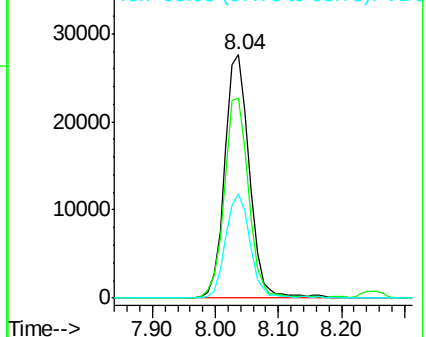
98 42.7 35.3 52.9

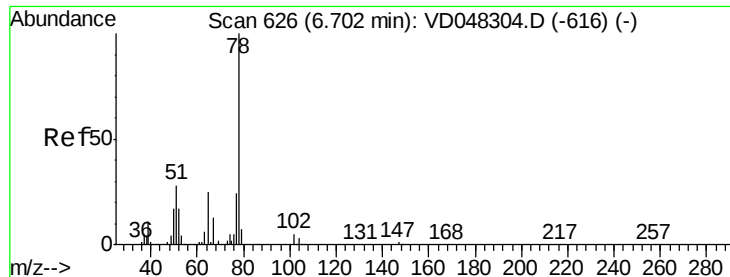


Abundance Ion 83.05 (82.75 to 83.75): V

Ion 55.00 (54.70 to 55.70): V

Ion 98.05 (97.75 to 98.75): V





#39

Benzene

Concen: 18.89 ug/l

RT: 6.67 min Scan# 623

Delta R.T. -0.04 min

Lab File: VD048323.D

Acq: 6 Jan 2016 15:46

Instrument :

BNA_F

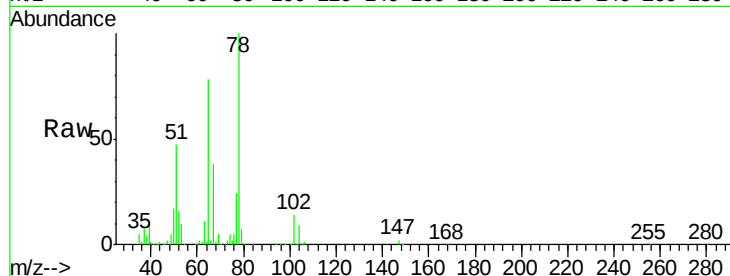
ClientSampleId :

Tot Ion: 78 Resp: 181887

Ion Ratio Lower Upper

78 100

77 23.9 18.5 27.7



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

6.67

80000

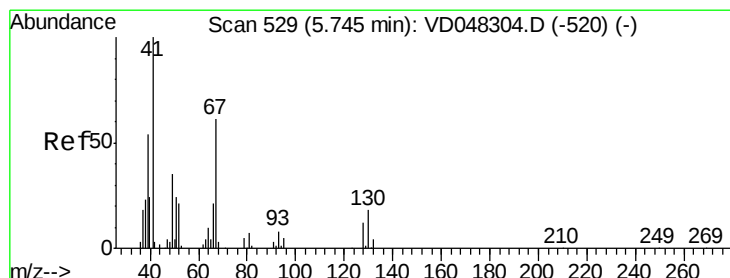
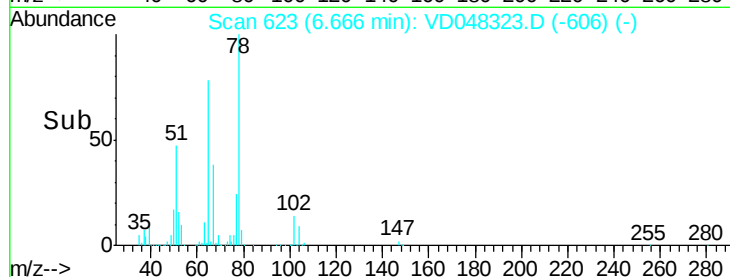
60000

40000

20000

0

Time--> 6.50 6.60 6.70 6.80



#40

Methacrylonitrile

Concen: 22.01 ug/l

RT: 5.71 min Scan# 526

Delta R.T. -0.04 min

Lab File: VD048323.D

Acq: 6 Jan 2016 15:46

Tgt Ion: 41 Resp: 20586

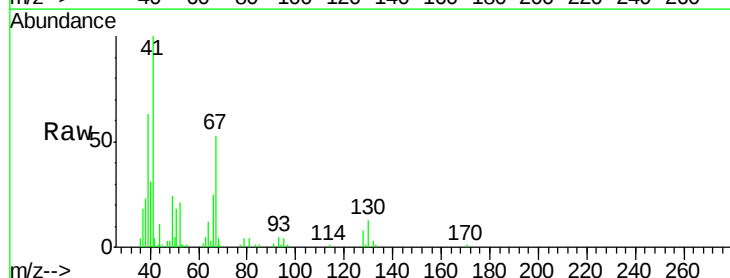
Ion Ratio Lower Upper

41 100

39 62.5 41.2 61.8#

67 52.9 47.0 70.6

52 20.6 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

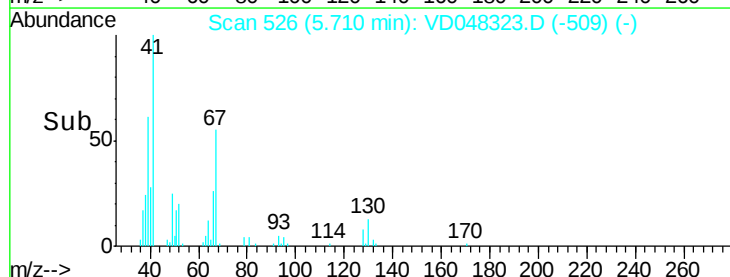
15000

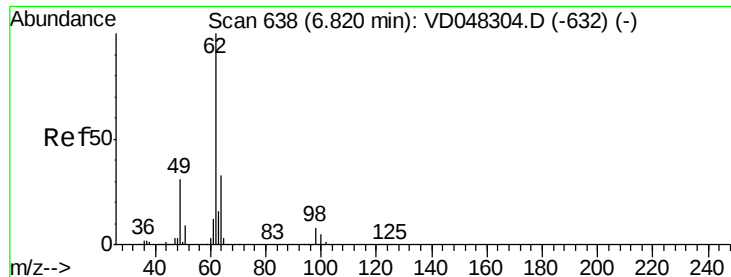
10000

5000

0

Time--> 5.60 5.65 5.70 5.75





#41

1,2-Dichloroethane

Concen: 20.99 ug/l

RT: 6.78 min Scan# 635

Delta R.T. -0.04 min

Lab File: VD048323.D

Acq: 6 Jan 2016 15:46

Instrument :

BNA_F

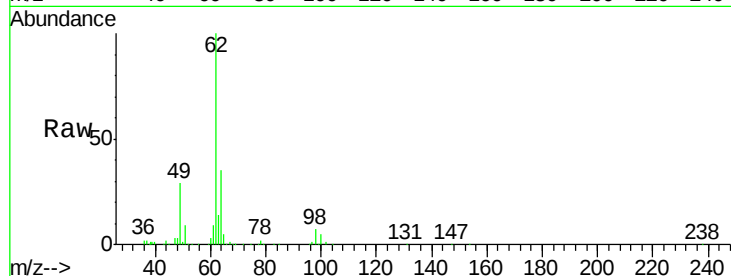
ClientSampleId :

Tot Ion: 62 Resp: 63492

Ion Ratio Lower Upper

62 100

98 7.0 0.0 14.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC

6.78

30000

25000

20000

15000

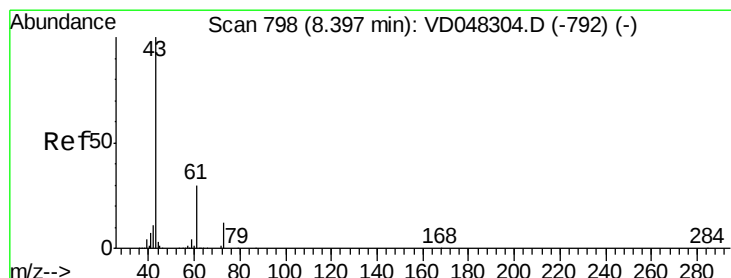
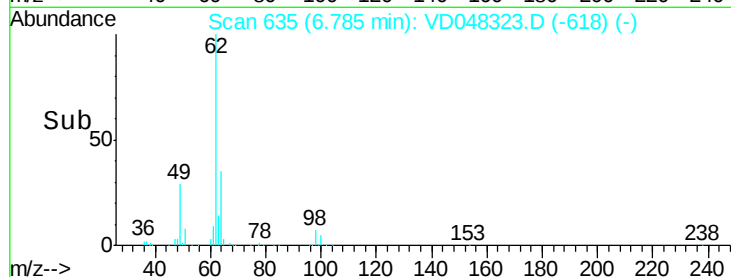
10000

5000

0

6.70 6.80 6.90

Time-->



#42

Isopropyl Acetate

Concen: 23.26 ug/l

RT: 8.36 min Scan# 795

Delta R.T. -0.04 min

Lab File: VD048323.D

Acq: 6 Jan 2016 15:46

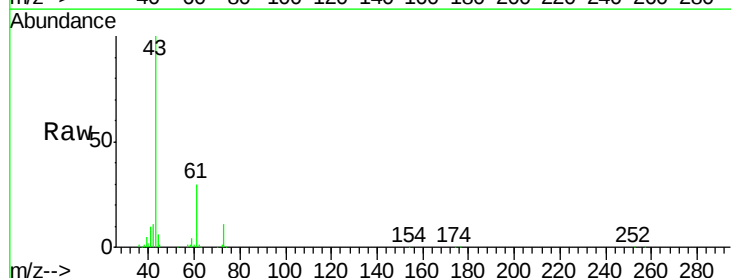
Tgt Ion: 43 Resp: 52757

Ion Ratio Lower Upper

43 100

61 30.4 23.8 35.8

87 0.0 0.3 0.5#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC

8.36

30000

25000

20000

15000

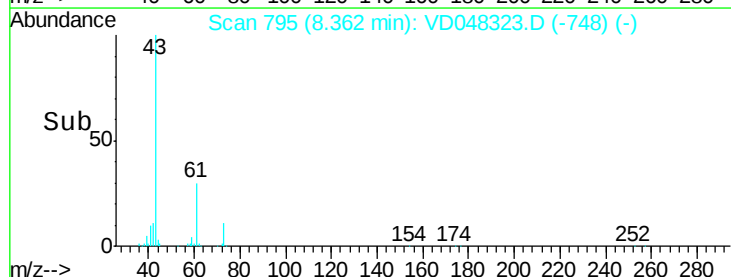
10000

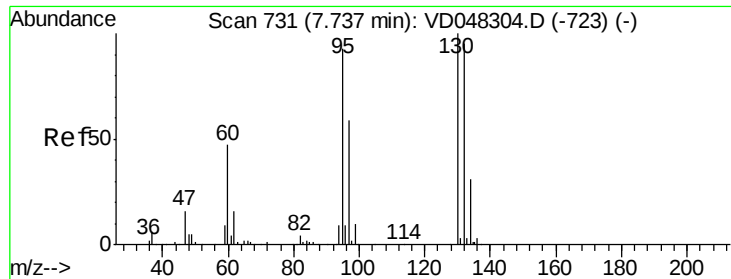
5000

0

8.20 8.30 8.40 8.50

Time-->

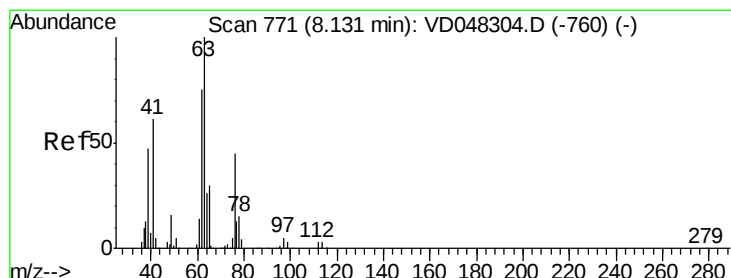
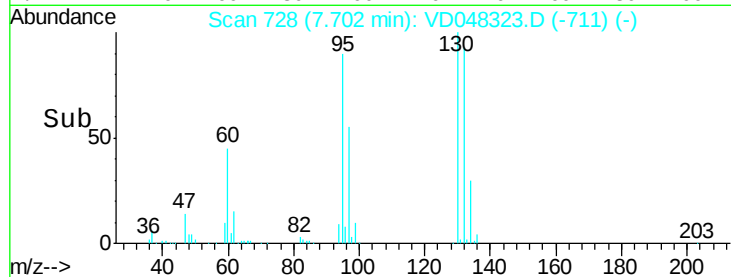
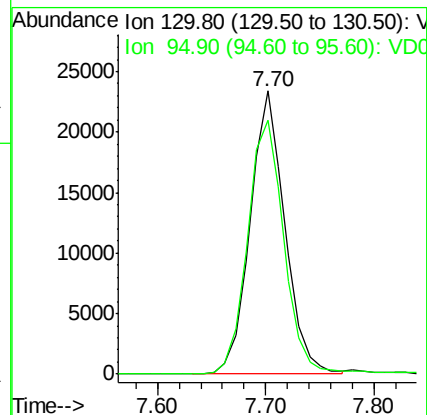
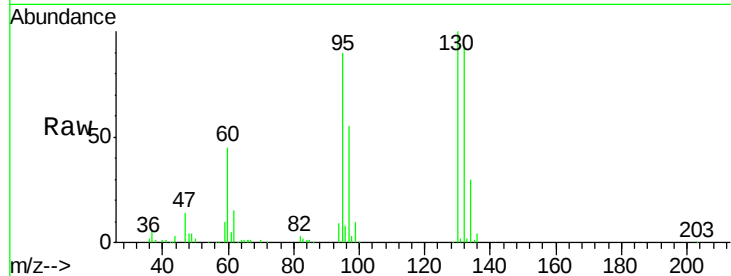




#43
 Trichloroethene
 Concen: 19.28 ug/l
 RT: 7.70 min Scan# 728
 Delta R.T. -0.04 min
 Lab File: VD048323.D
 Acq: 6 Jan 2016 15:46

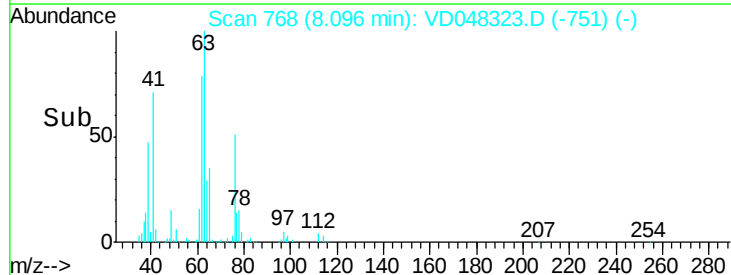
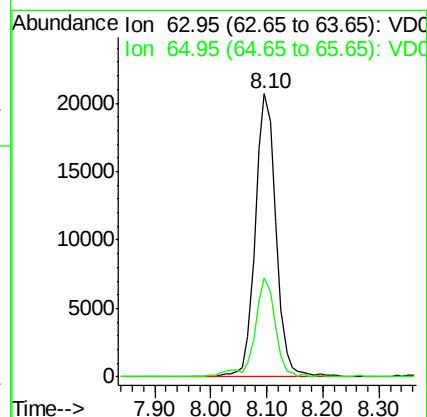
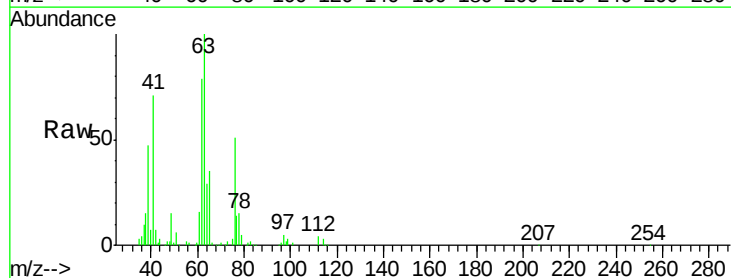
Instrument :
 BNA_F
 ClientSampled :

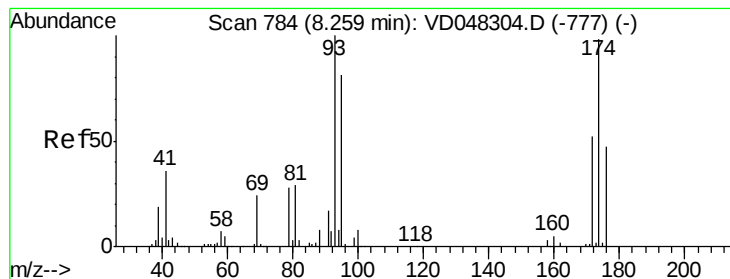
Tot Ion:130 Resp: 52325
 Ion Ratio Lower Upper
 130 100
 95 89.9 0.0 190.2



#44
 1,2-Dichloropropane
 Concen: 19.82 ug/l
 RT: 8.10 min Scan# 768
 Delta R.T. -0.04 min
 Lab File: VD048323.D
 Acq: 6 Jan 2016 15:46

Tgt Ion: 63 Resp: 52957
 Ion Ratio Lower Upper
 63 100
 65 34.9 23.7 35.5





#45

Dibromomethane

Concen: 20.42 ug/l

RT: 8.22 min Scan# 781

Delta R.T. -0.04 min

Lab File: VD048323.D

Acq: 6 Jan 2016 15:46

Instrument :

BNA_F

ClientSampleId :

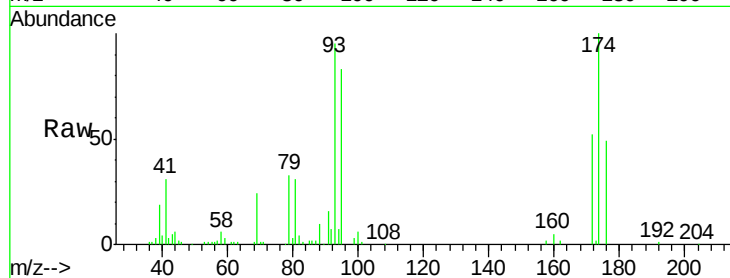
Tot Ion: 93 Resp: 29723

Ion Ratio Lower Upper

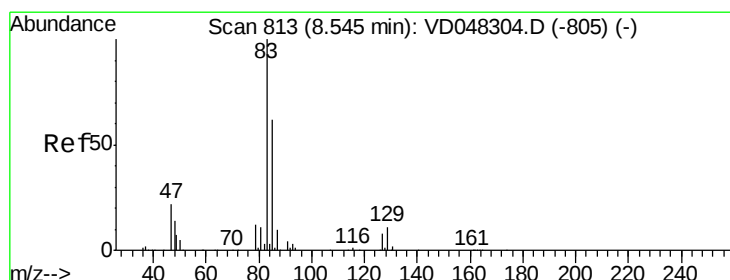
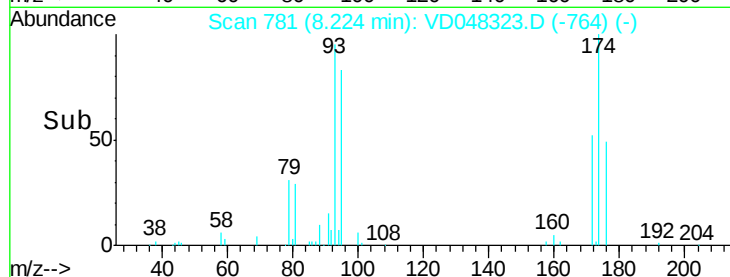
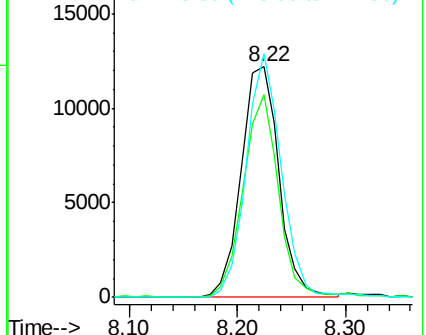
93 100

95 87.9 64.4 96.6

174 105.7 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: 19.59 ug/l

RT: 8.52 min Scan# 811

Delta R.T. -0.03 min

Lab File: VD048323.D

Acq: 6 Jan 2016 15:46

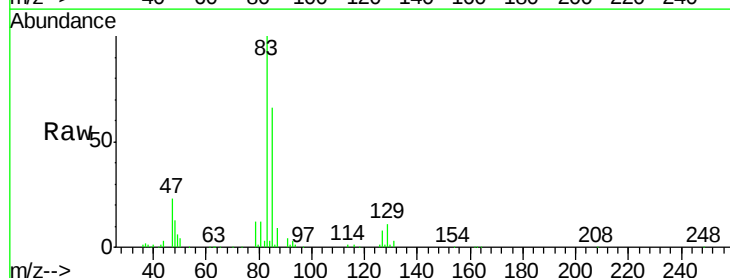
Tgt Ion: 83 Resp: 68068

Ion Ratio Lower Upper

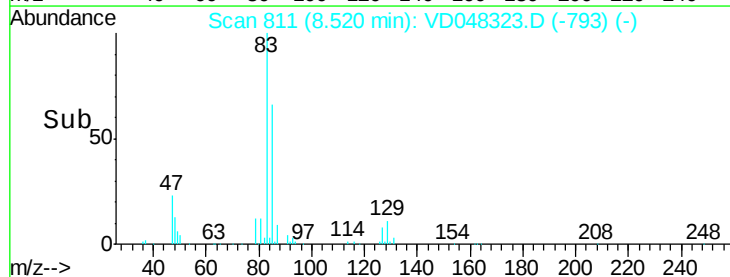
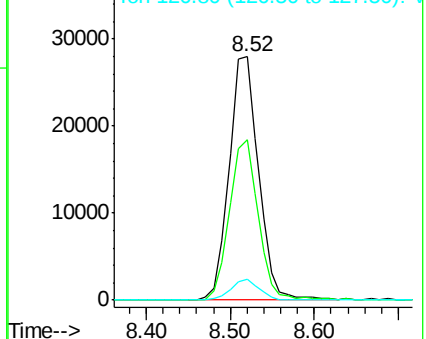
83 100

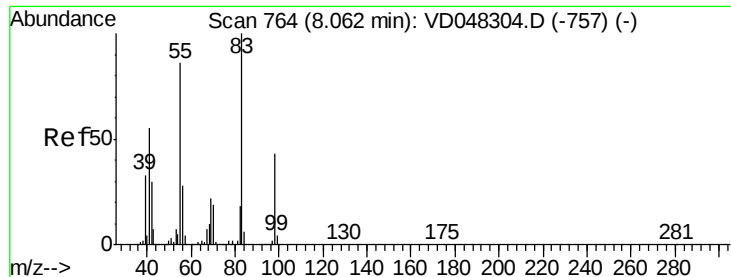
85 65.7 48.7 73.1

127 8.4 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

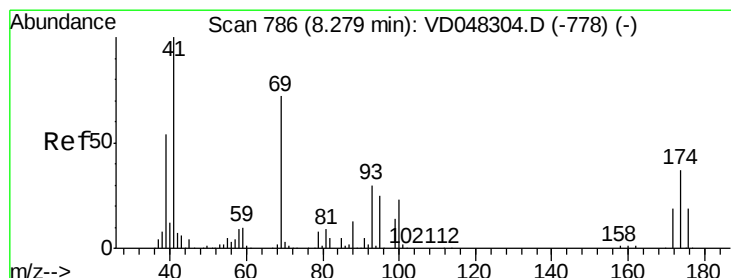
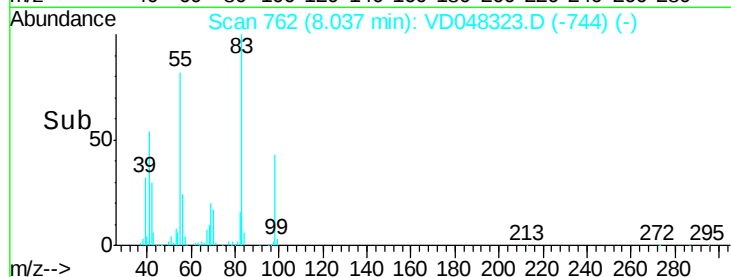
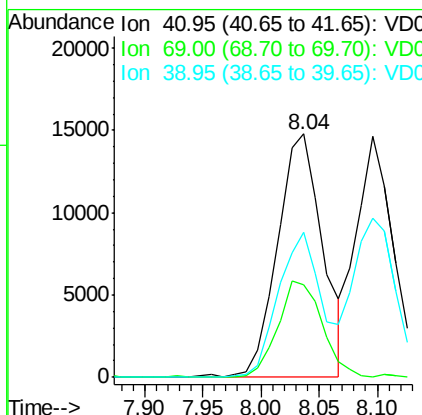
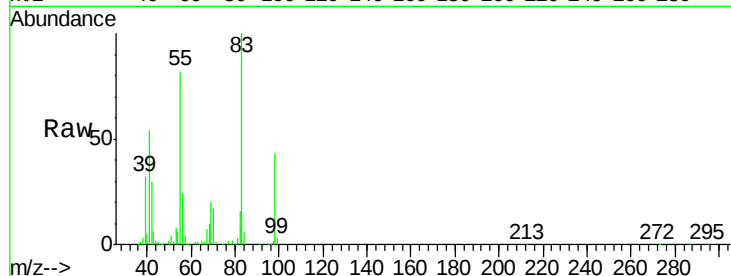




#47
Methvl methacrvlate
Concen: 18.42 ug/l
RT: 8.04 min Scan# 762
Delta R.T. -0.03 min
Lab File: VD048323.D
Acq: 6 Jan 2016 15:46

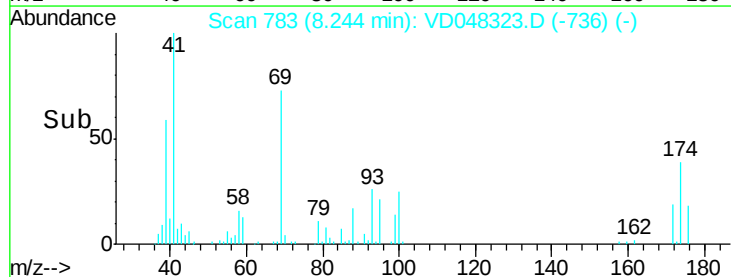
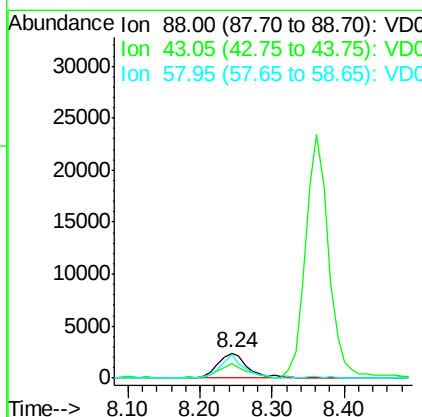
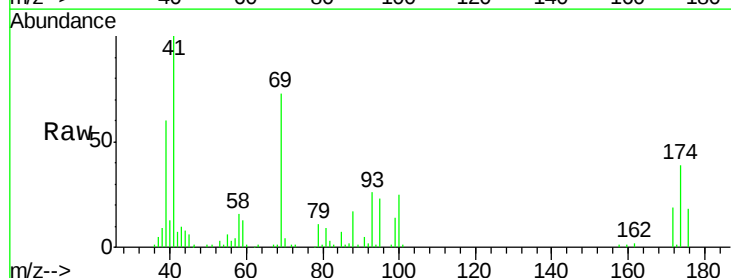
Instrument :
BNA_F
ClientSampleId :

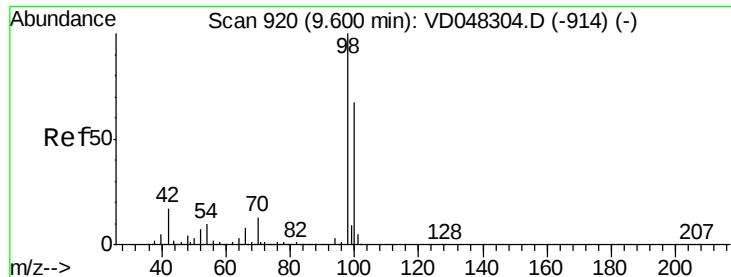
Tot Ion: 41 Resp: 39778
Ion Ratio Lower Upper
41 100
69 38.1 34.6 52.0
39 59.5 45.6 68.4



#48
1,4-Dioxane
Concen: 524.79 ug/l
RT: 8.24 min Scan# 783
Delta R.T. -0.04 min
Lab File: VD048323.D
Acq: 6 Jan 2016 15:46

Tgt Ion: 88 Resp: 6874
Ion Ratio Lower Upper
88 100
43 57.6 42.7 64.1
58 92.3 63.9 95.9





#49

Toluene-d8

Concen: 524.79 ug/l

RT: 9.57 min Scan# 918

Delta R.T. -0.03 min

Lab File: VD048323.D

Acq: 6 Jan 2016 15:46

Instrument :

BNA_F

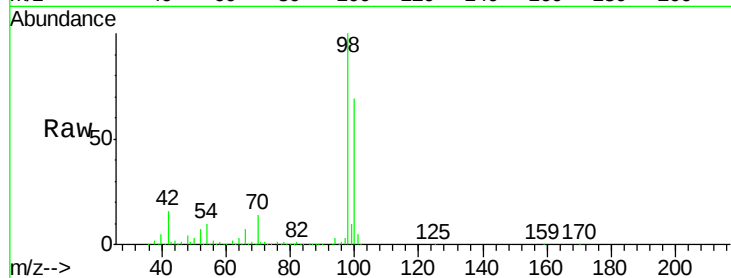
ClientSampleId :

Tot Ion: 98 Resp: 388674

Ion Ratio Lower Upper

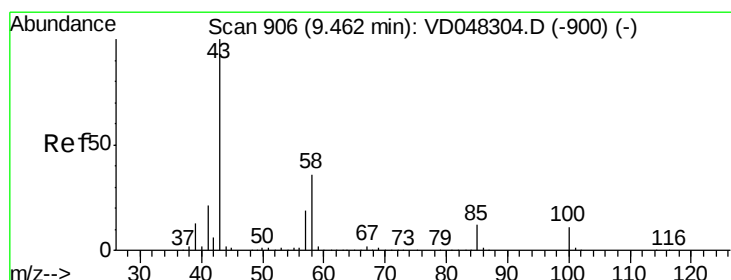
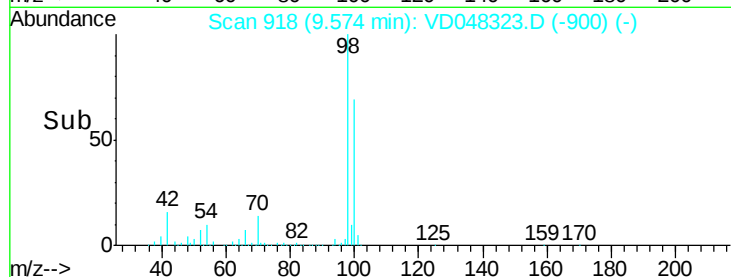
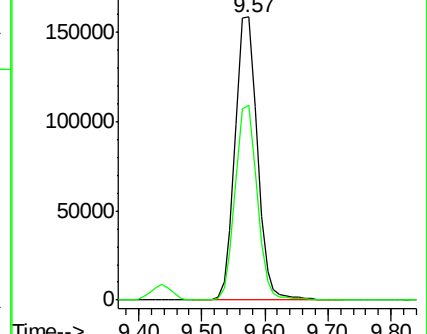
98 100

100 69.0 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: 123.03 ug/l

RT: 9.44 min Scan# 904

Delta R.T. -0.03 min

Lab File: VD048323.D

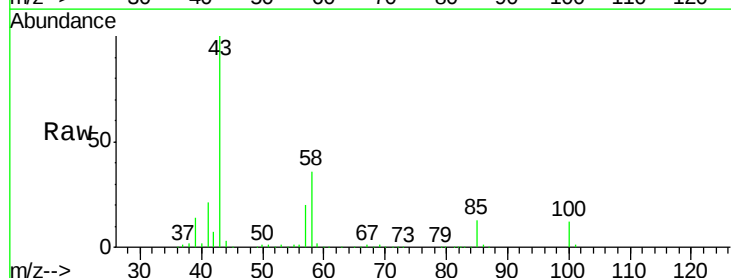
Acq: 6 Jan 2016 15:46

Tgt Ion: 43 Resp: 185491

Ion Ratio Lower Upper

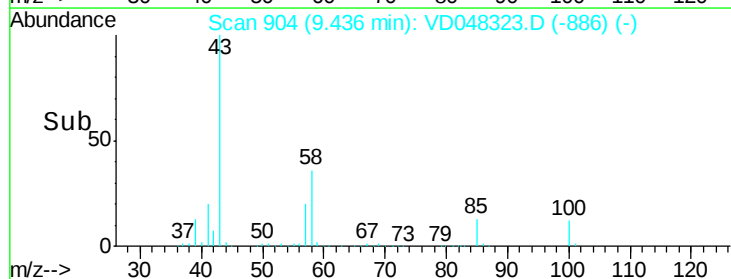
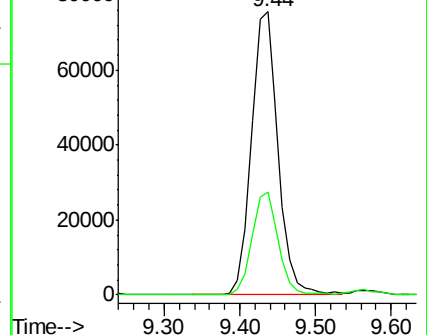
43 100

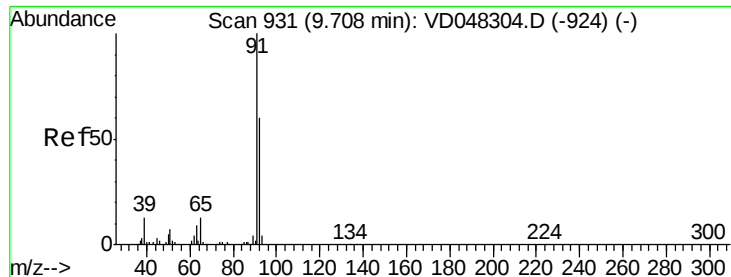
58 36.5 28.5 42.7



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#51

Toluene

Concen: 19.46 ug/l

RT: 9.67 min Scan# 928

Delta R.T. -0.03 min

Lab File: VD048323.D

Acq: 6 Jan 2016 15:46

Instrument :

BNA_F

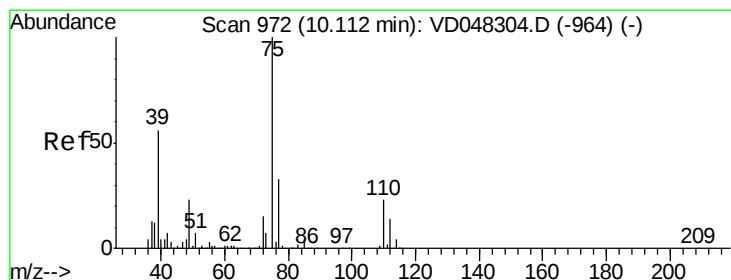
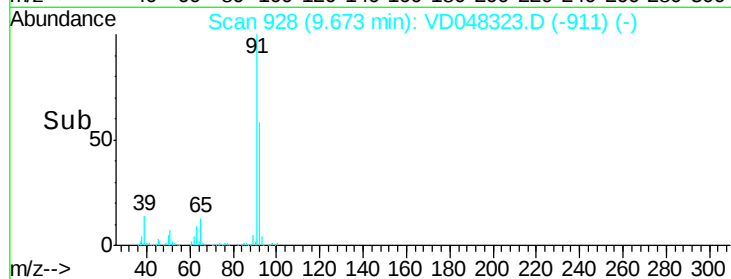
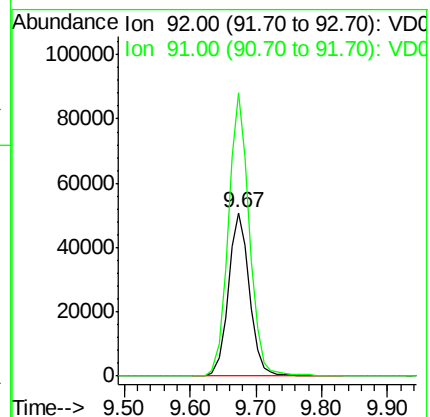
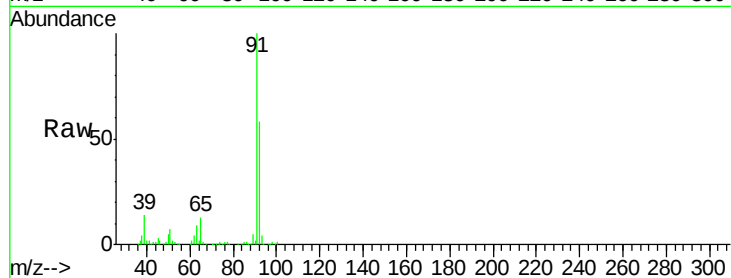
ClientSampleId :

Tot Ion: 92 Resp: 114182

Ion Ratio Lower Upper

92 100

91 172.9 133.4 200.2



#52

t-1,3-Dichloropropene

Concen: 20.33 ug/l

RT: 10.08 min Scan# 969

Delta R.T. -0.03 min

Lab File: VD048323.D

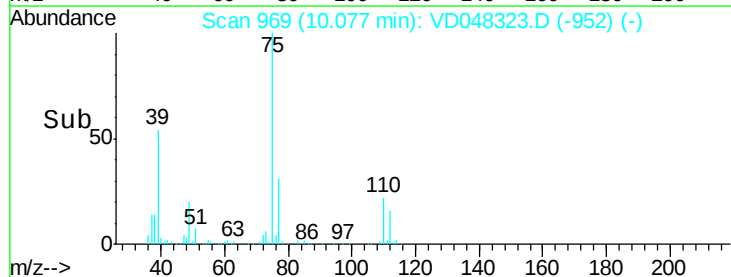
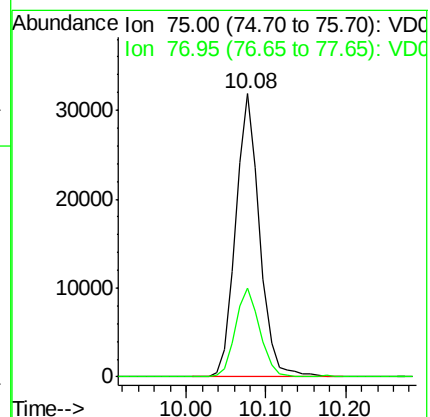
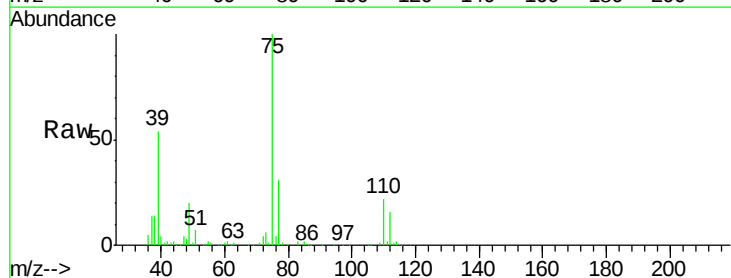
Acq: 6 Jan 2016 15:46

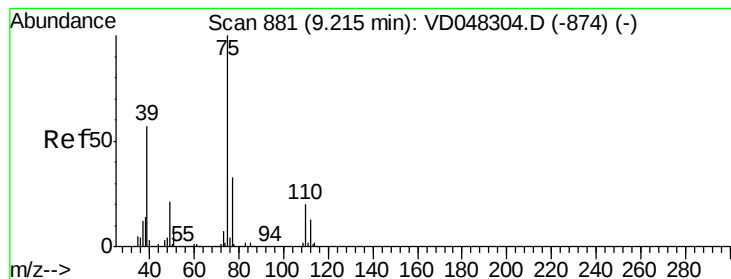
Tgt Ion: 75 Resp: 66973

Ion Ratio Lower Upper

75 100

77 31.2 26.4 39.6





#53

cis-1,3-Dichloropropene

Concen: 19.31 ug/l

RT: 9.18 min Scan# 878

Delta R.T. -0.04 min

Lab File: VD048323.D

Acq: 6 Jan 2016 15:46

Instrument :

BNA_F

ClientSampleId :

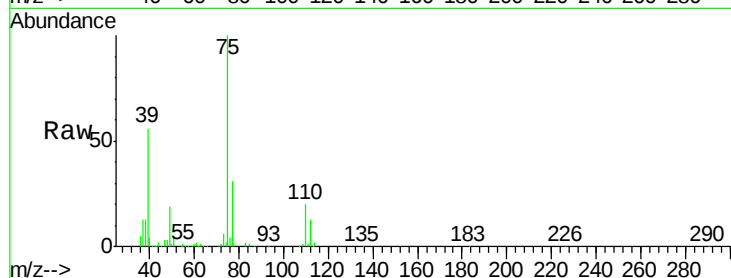
Tot Ion: 75 Resp: 79757

Ion Ratio Lower Upper

75 100

77 30.7 25.8 38.6

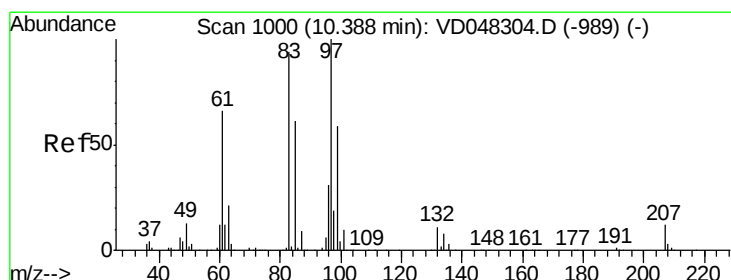
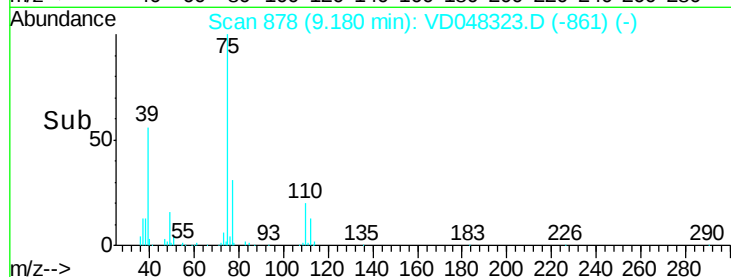
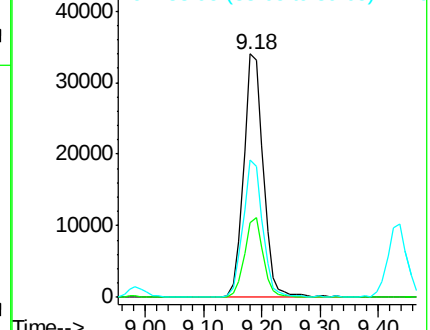
39 56.4 41.5 62.3



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: 21.67 ug/l

RT: 10.35 min Scan# 997

Delta R.T. -0.04 min

Lab File: VD048323.D

Acq: 6 Jan 2016 15:46

Tgt Ion: 97 Resp: 39777

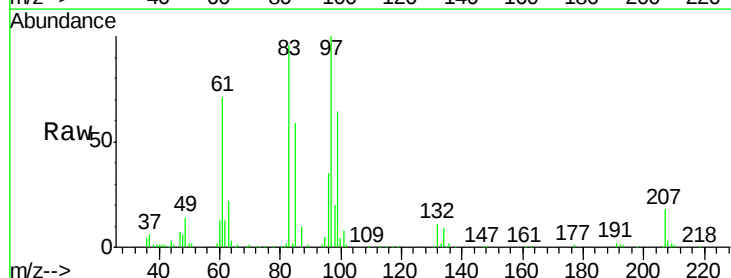
Ion Ratio Lower Upper

97 100

83 95.7 78.2 117.2

85 59.1 48.1 72.1

99 63.7 50.0 75.0

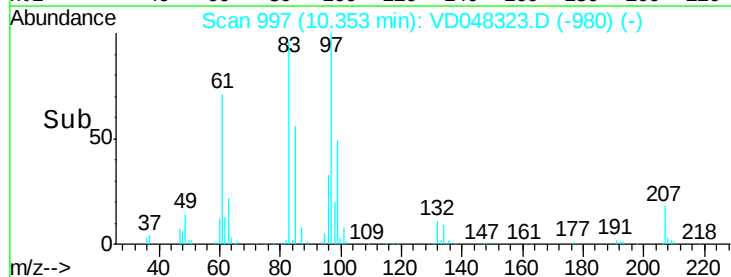
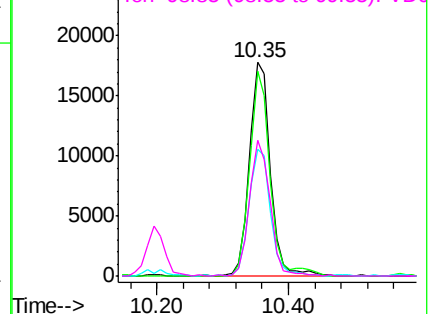


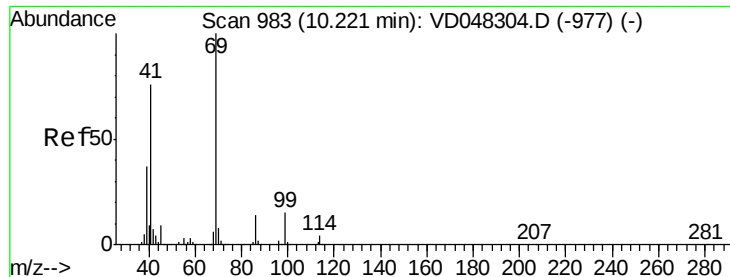
Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 22.93 ug/l

RT: 10.20 min Scan# 981

Delta R.T. -0.02 min

Lab File: VD048323.D

Acq: 6 Jan 2016 15:46

Instrument :

BNA_F

ClientSampleId :

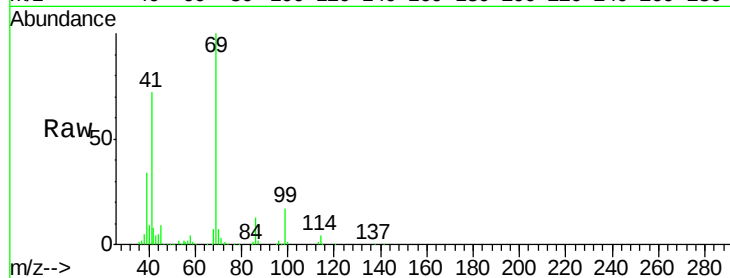
Tot Ion: 69 Resp: 50736

Ion Ratio Lower Upper

69 100

41 71.8 55.3 82.9

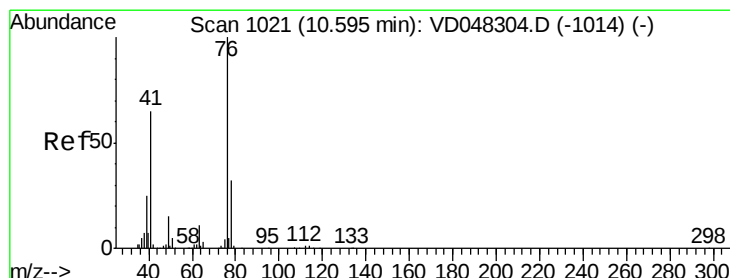
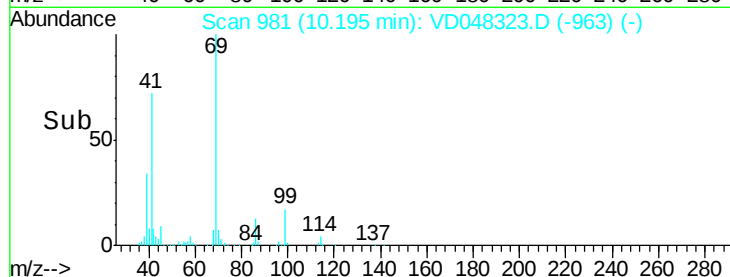
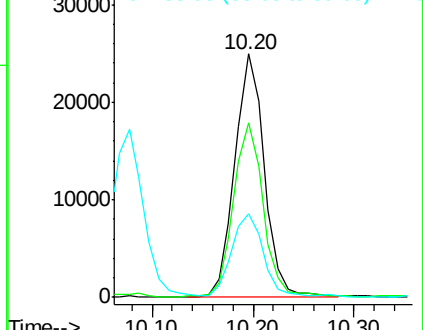
39 34.4 29.4 44.2



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: 21.60 ug/l

RT: 10.57 min Scan# 1019

Delta R.T. -0.03 min

Lab File: VD048323.D

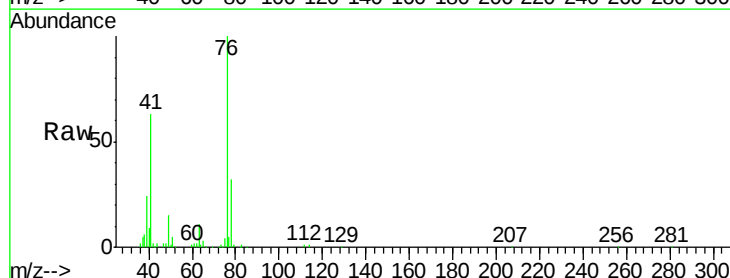
Acq: 6 Jan 2016 15:46

Tgt Ion: 76 Resp: 79057

Ion Ratio Lower Upper

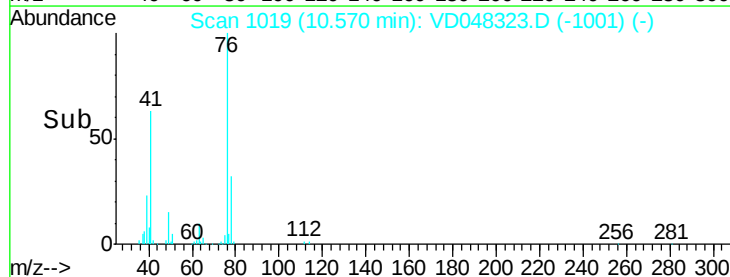
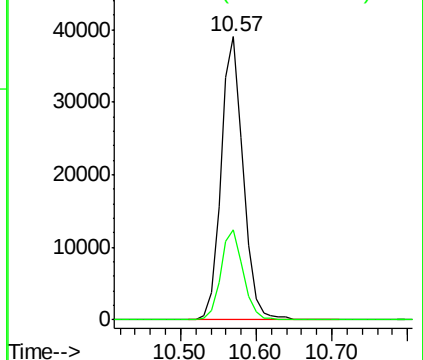
76 100

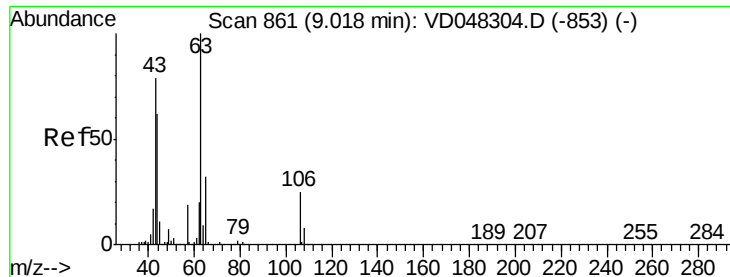
78 31.6 25.8 38.8



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: 95.84 ug/l

RT: 8.98 min Scan# 858

Delta R.T. -0.03 min

Lab File: VD048323.D

Acq: 6 Jan 2016 15:46

Instrument :

BNA_F

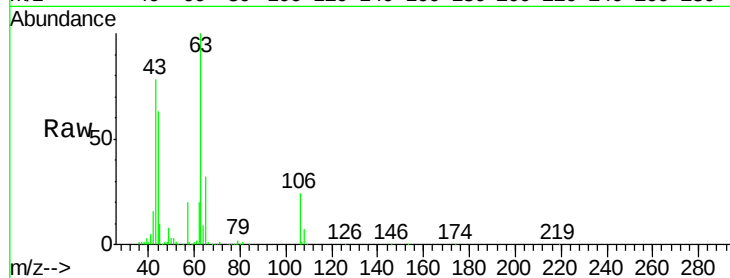
ClientSampleId :

Tot Ion: 63 Resp: 125840

Ion Ratio Lower Upper

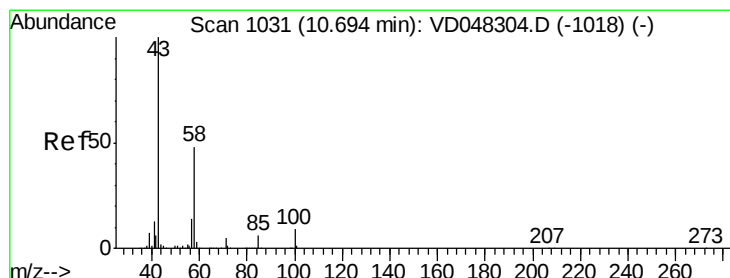
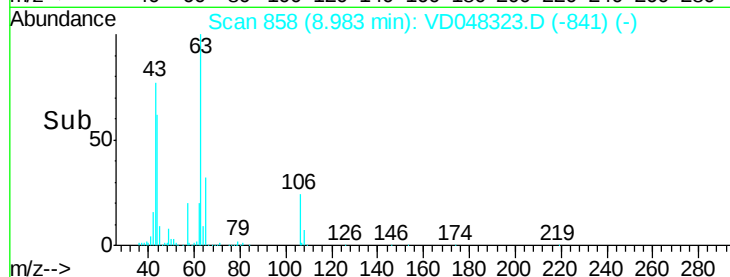
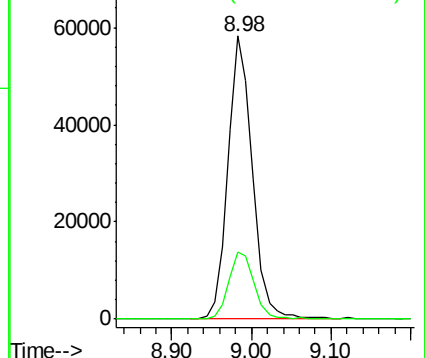
63 100

106 23.5 18.7 28.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC



#58

2-Hexanone

Concen: 130.19 ug/l

RT: 10.67 min Scan# 1029

Delta R.T. -0.02 min

Lab File: VD048323.D

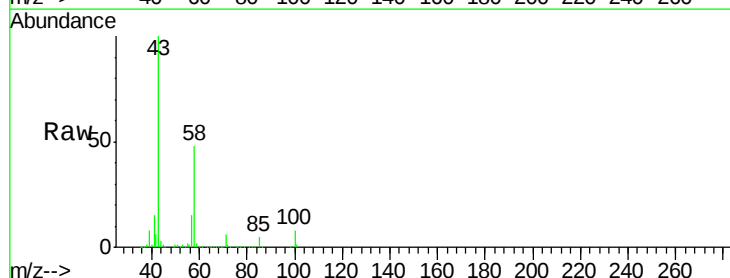
Acq: 6 Jan 2016 15:46

Tgt Ion: 43 Resp: 137030

Ion Ratio Lower Upper

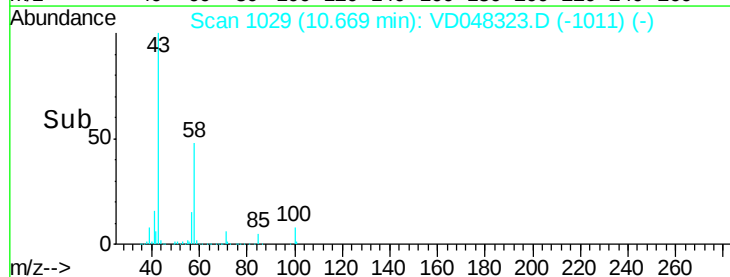
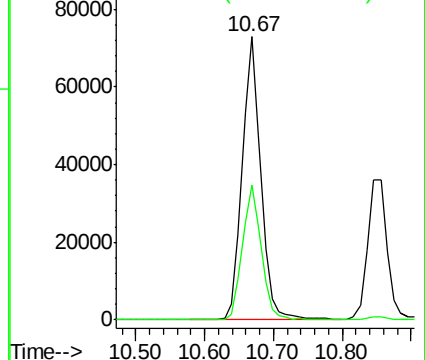
43 100

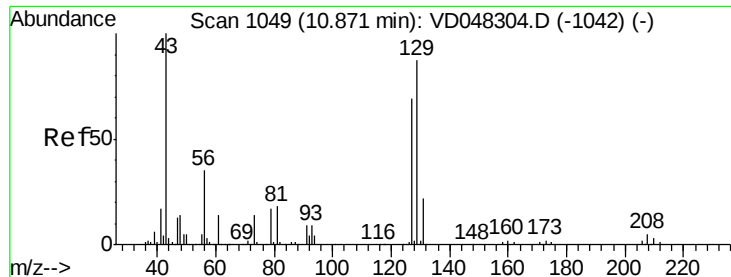
58 47.8 24.4 73.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#59

Dibromochloromethane

Concen: 20.01 ug/l

RT: 10.85 min Scan# 1047

Delta R.T. -0.03 min

Lab File: VD048323.D

Acq: 6 Jan 2016 15:46

Instrument :

BNA_F

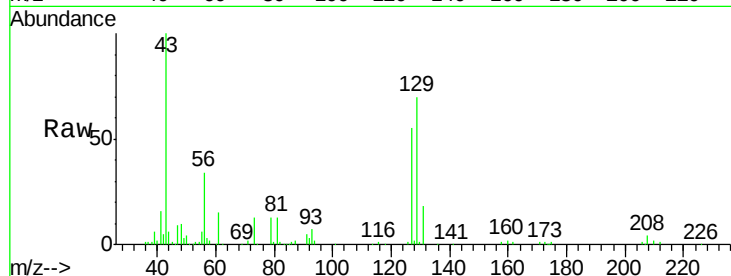
ClientSampleId :

Tot Ion:129 Resp: 48674

Ion Ratio Lower Upper

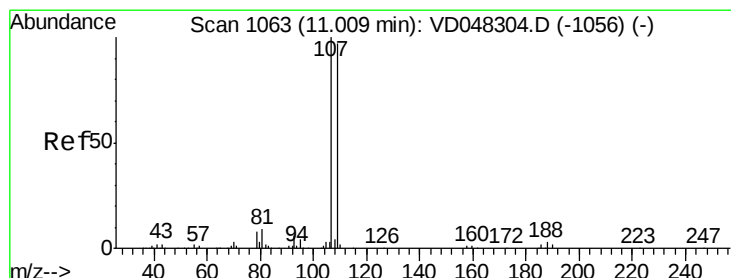
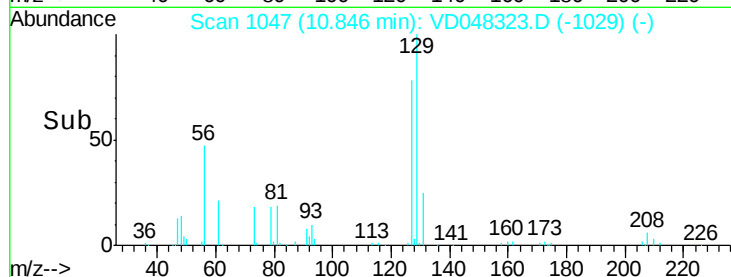
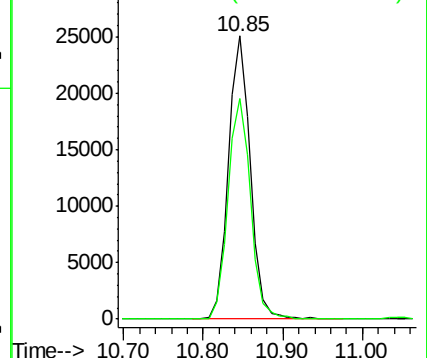
129 100

127 78.2 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: 21.77 ug/l

RT: 10.97 min Scan# 1060

Delta R.T. -0.04 min

Lab File: VD048323.D

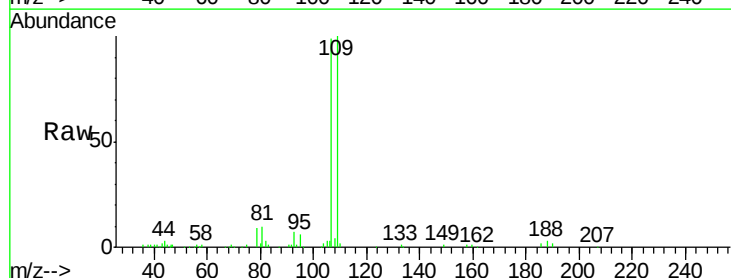
Acq: 6 Jan 2016 15:46

Tgt Ion:107 Resp: 42843

Ion Ratio Lower Upper

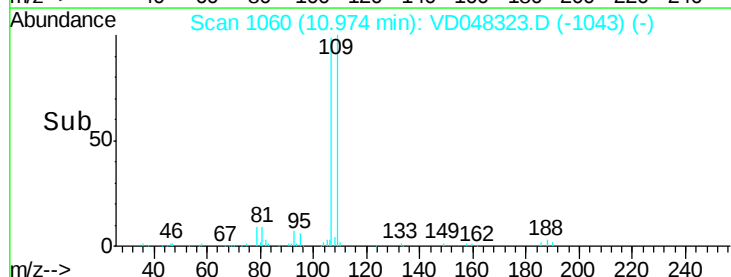
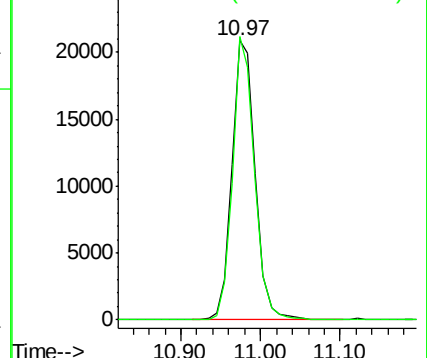
107 100

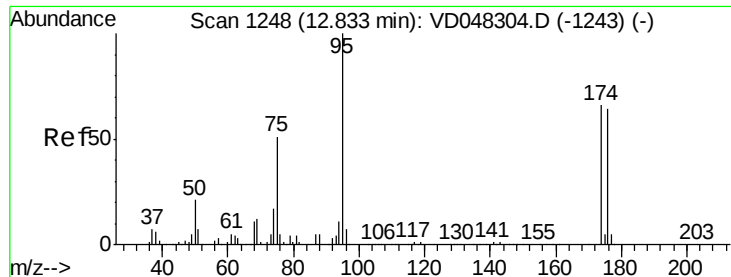
109 101.4 77.3 115.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

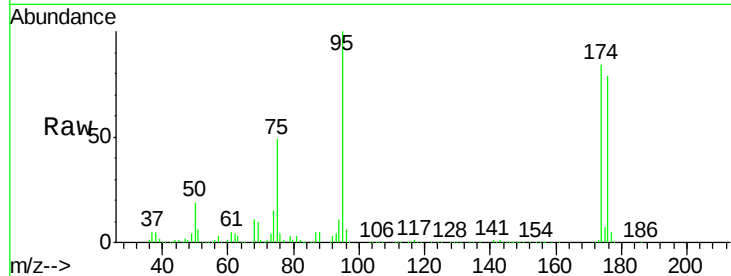




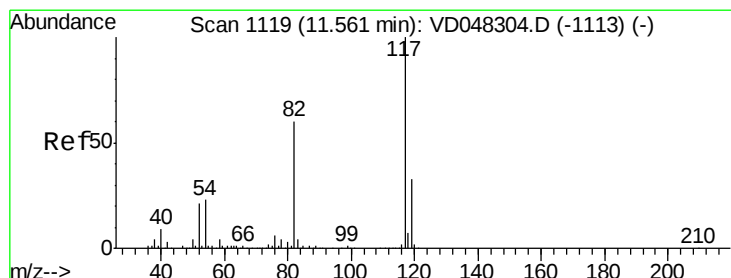
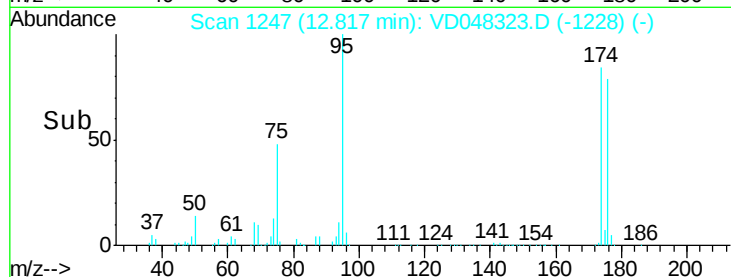
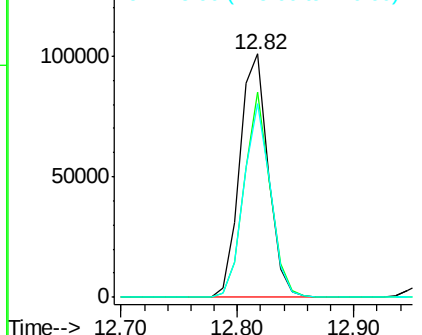
#61
4-Bromofluorobenzene
Concen: 21.77 ug/l
RT: 12.82 min Scan# 1247
Delta R.T. -0.02 min
Lab File: VD048323.D
Acq: 6 Jan 2016 15:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 95 Resp: 171323
Ion Ratio Lower Upper
95 100
174 84.4 0.0 156.2
176 79.4 0.0 147.4

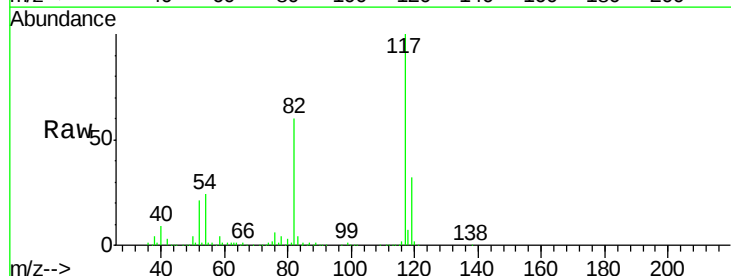


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

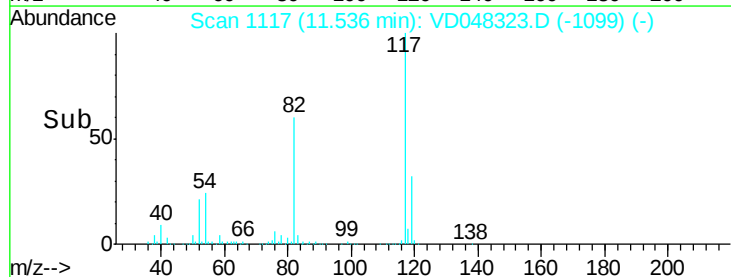
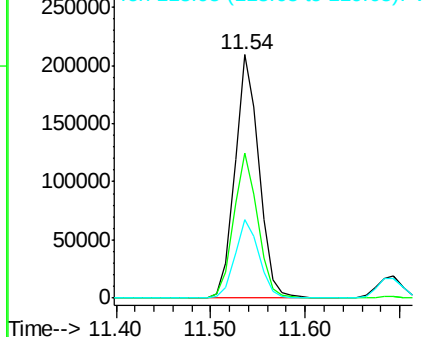


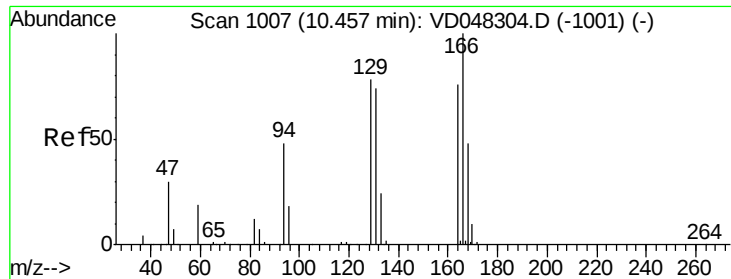
#62
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.54 min Scan# 1117
Delta R.T. -0.03 min
Lab File: VD048323.D
Acq: 6 Jan 2016 15:46

Tgt Ion: 117 Resp: 366199
Ion Ratio Lower Upper
117 100
82 59.6 46.8 70.2
119 32.2 26.1 39.1



Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V





#63

Tetrachloroethene

Concen: 19.03 ug/l

RT: 10.43 min Scan# 1005

Delta R.T. -0.03 min

Lab File: VD048323.D

Acq: 6 Jan 2016 15:46

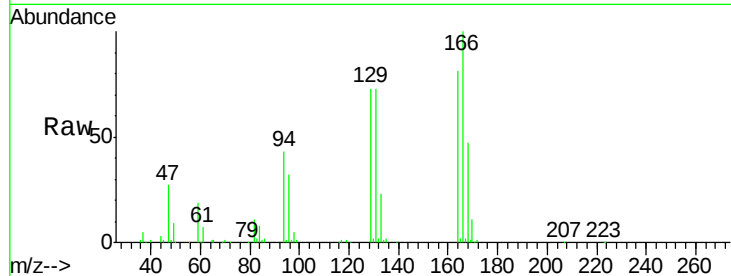
Instrument :

BNA_F

ClientSampleId :

Tot Ion:164 Resp: 43167

Ion	Ratio	Lower	Upper
164	100		
166	122.7	103.9	155.9
129	90.0	78.9	118.3
131	89.0	77.0	115.6

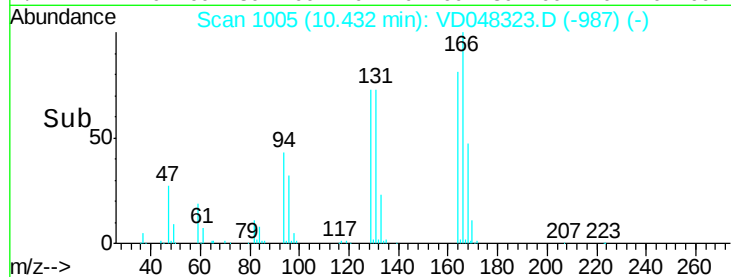


Abundance Ion 163.85 (163.55 to 164.55): V

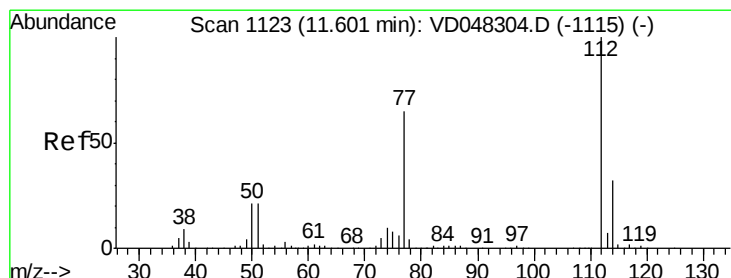
Ion 165.85 (165.55 to 166.55): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



Time--> 10.30 10.40 10.50



#64

Chlorobenzene

Concen: 19.76 ug/l

RT: 11.58 min Scan# 1121

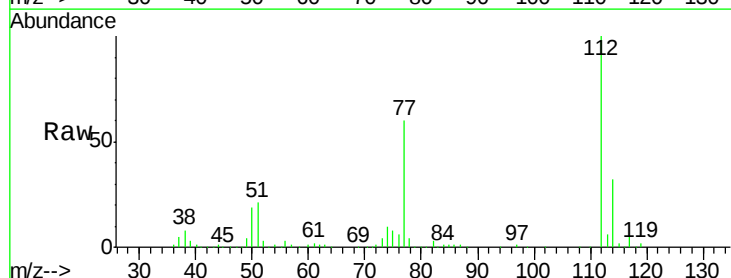
Delta R.T. -0.03 min

Lab File: VD048323.D

Acq: 6 Jan 2016 15:46

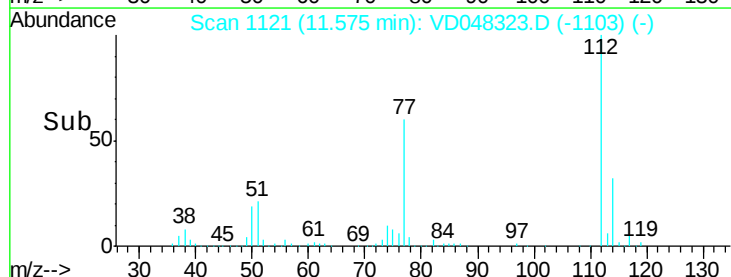
Tgt Ion:112 Resp: 144264

Ion	Ratio	Lower	Upper
112	100		
114	32.4	26.1	39.1

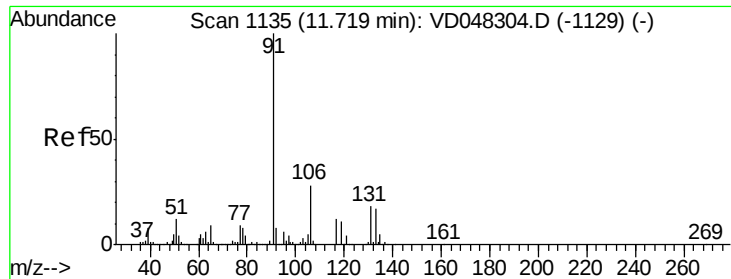


Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



Time--> 11.50 11.60 11.70



#65

1,1,1,2-Tetrachloroethane

Concen: 19.54 ug/l

RT: 11.69 min Scan# 1133

Delta R.T. -0.03 min

Lab File: VD048323.D

Acq: 6 Jan 2016 15:46

Instrument :

BNA_F

ClientSampleId :

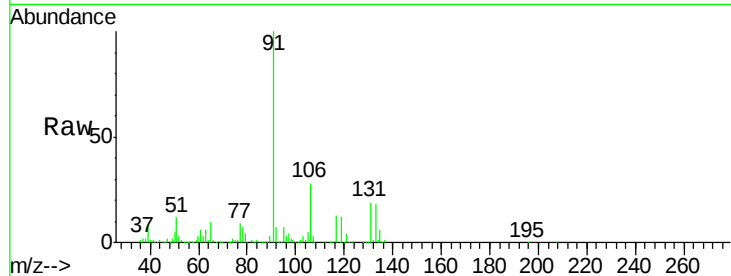
Tot Ion:131 Resp: 50880

Ion Ratio Lower Upper

131 100

133 93.7 47.5 142.6

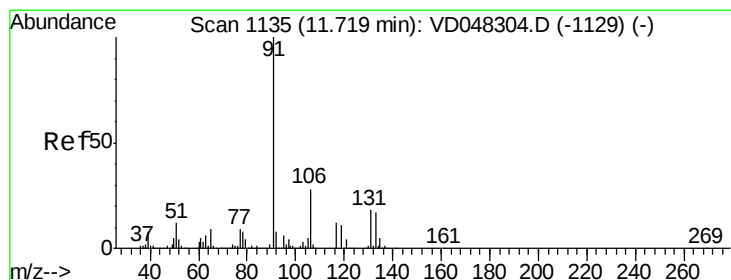
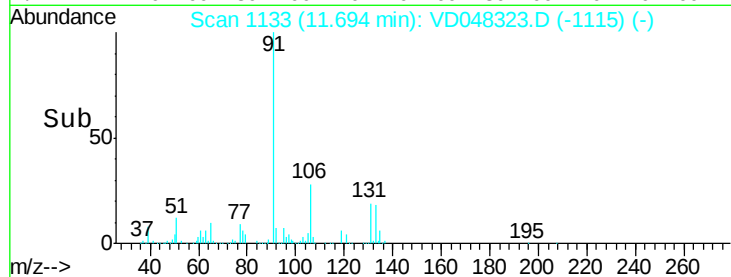
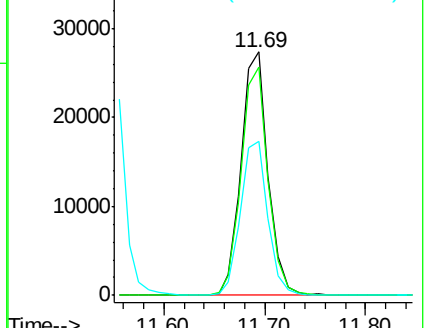
119 63.1 32.9 98.7



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: 19.31 ug/l

RT: 11.69 min Scan# 1133

Delta R.T. -0.03 min

Lab File: VD048323.D

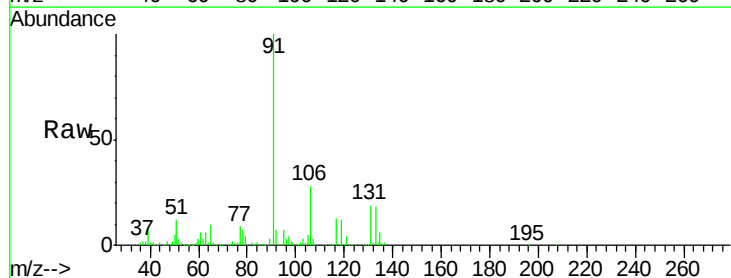
Acq: 6 Jan 2016 15:46

Tgt Ion: 91 Resp: 249316

Ion Ratio Lower Upper

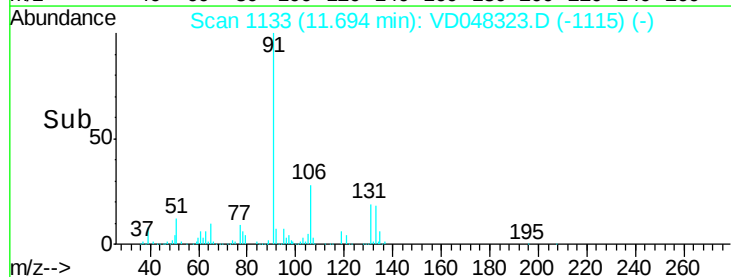
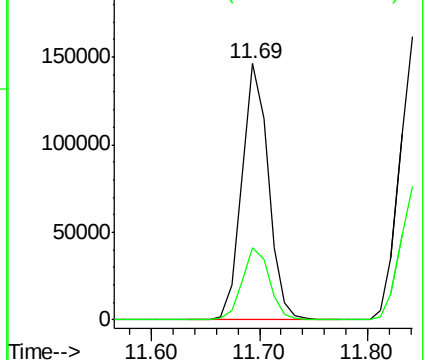
91 100

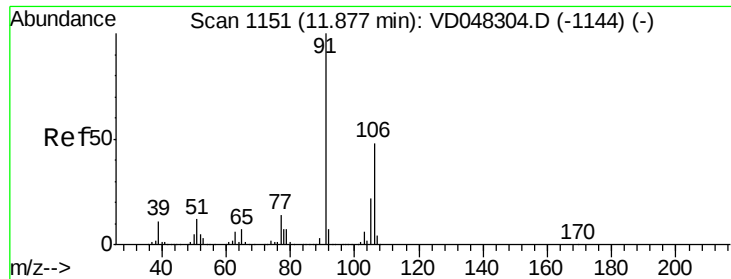
106 28.0 23.8 35.6



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.05 (105.75 to 106.75): V

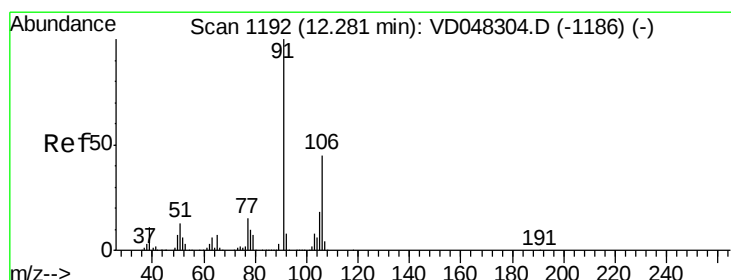
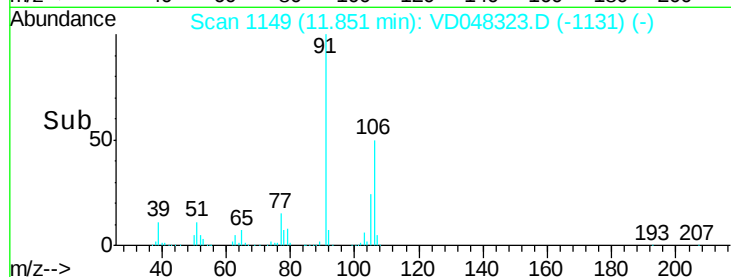
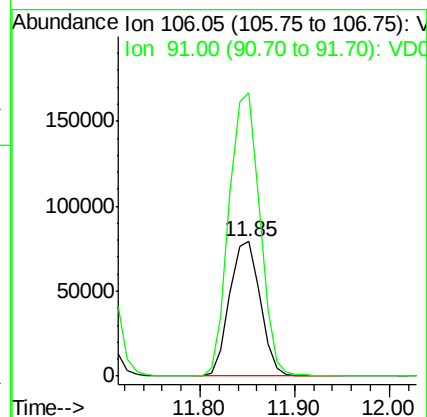
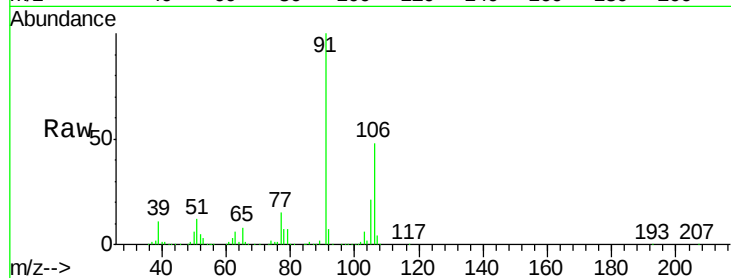




#67
m/p-Xvlenes
Concen: 39.02 ug/l
RT: 11.85 min Scan# 1149
Delta R.T. -0.03 min
Lab File: VD048323.D
Acq: 6 Jan 2016 15:46

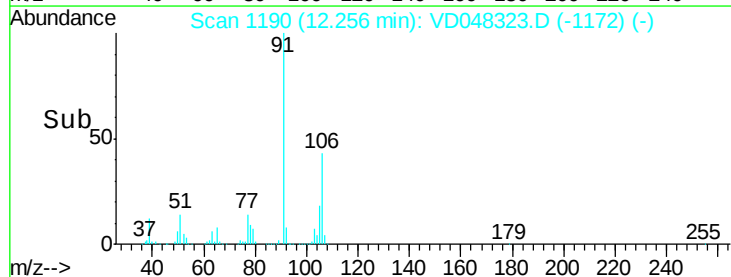
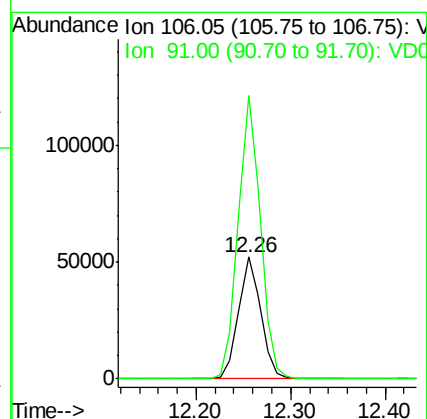
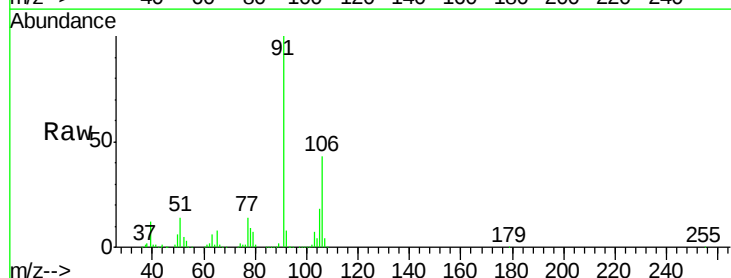
Instrument :
BNA_F
ClientSampleId :

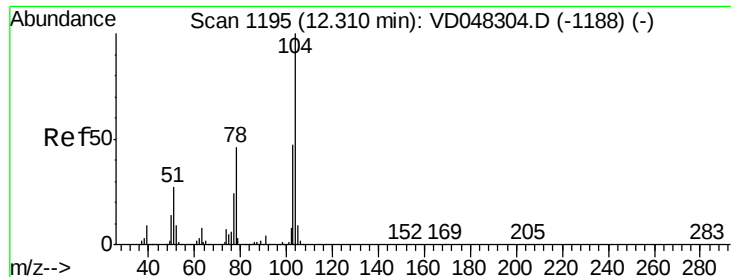
Tot Ion:106 Resp: 178462
Ion Ratio Lower Upper
106 100
91 210.0 162.0 243.0



#68
o-Xylene
Concen: 19.51 ug/l
RT: 12.26 min Scan# 1190
Delta R.T. -0.03 min
Lab File: VD048323.D
Acq: 6 Jan 2016 15:46

Tgt Ion:106 Resp: 85880
Ion Ratio Lower Upper
106 100
91 232.1 111.8 335.3

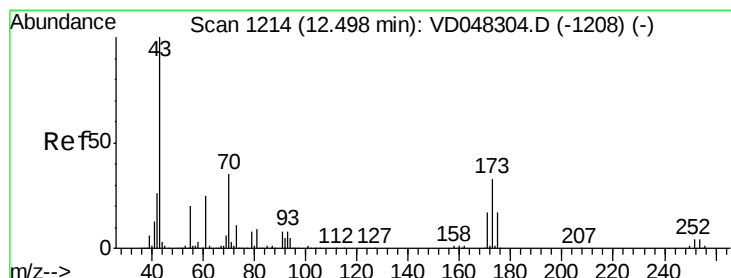
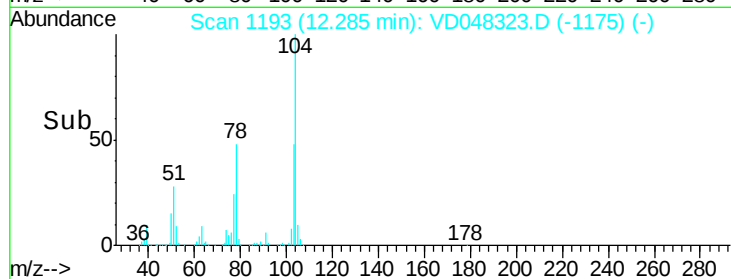
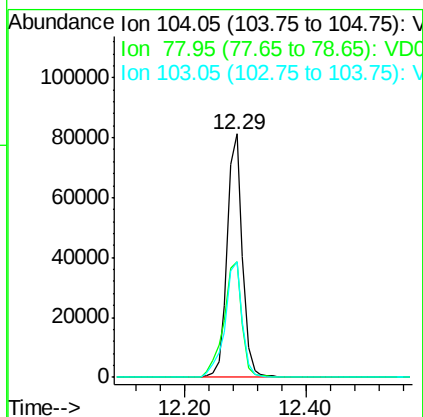
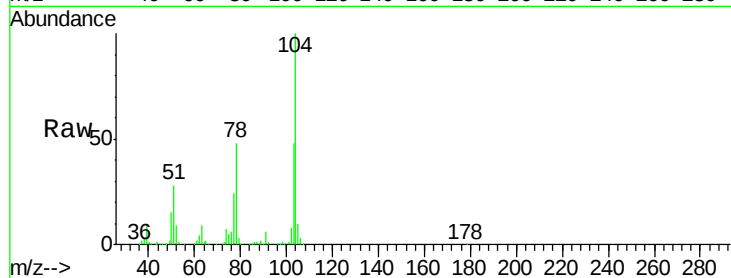




#69
Stvrene
Concen: 20.07 ug/l
RT: 12.29 min Scan# 1193
Delta R.T. -0.03 min
Lab File: VD048323.D
Acq: 6 Jan 2016 15:46

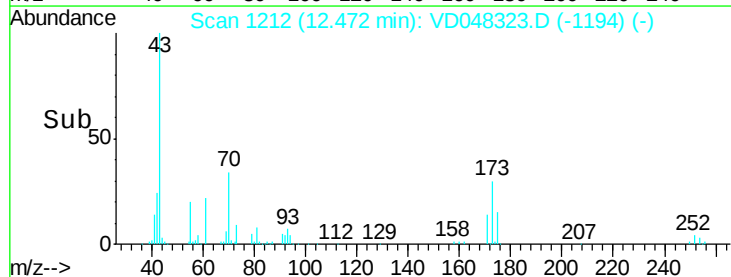
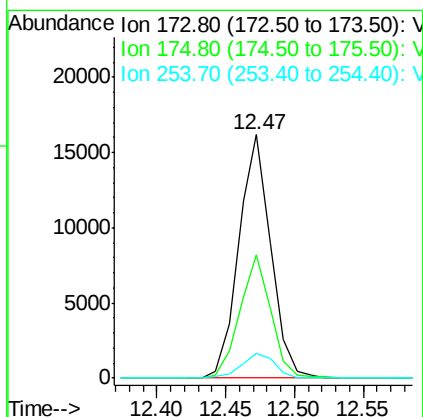
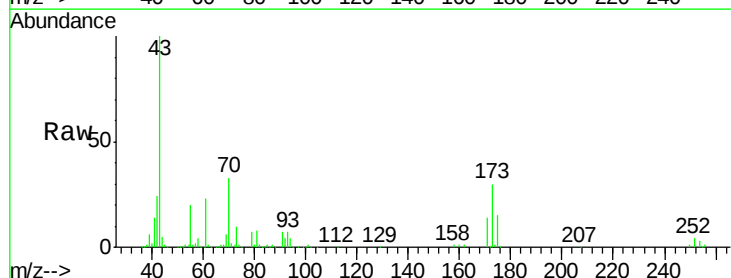
Instrument :
BNA_F
ClientSampleId :

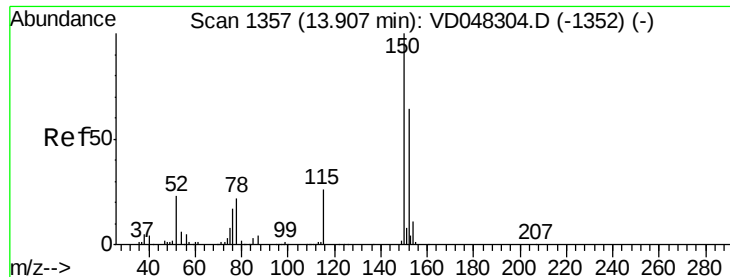
Tot Ion:104 Resp: 141249
Ion Ratio Lower Upper
104 100
78 47.5 37.5 56.3
103 47.6 37.3 55.9



#70
Bromoform
Concen: 20.46 ug/l
RT: 12.47 min Scan# 1212
Delta R.T. -0.03 min
Lab File: VD048323.D
Acq: 6 Jan 2016 15:46

Tgt Ion:173 Resp: 26113
Ion Ratio Lower Upper
173 100
175 50.4 26.0 78.0
254 10.3 7.7 11.5

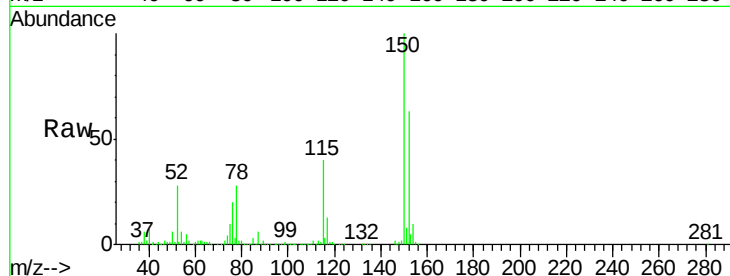




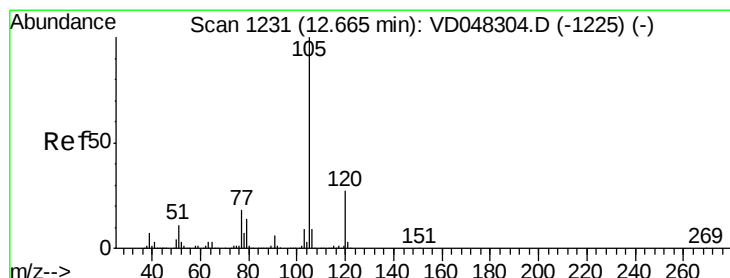
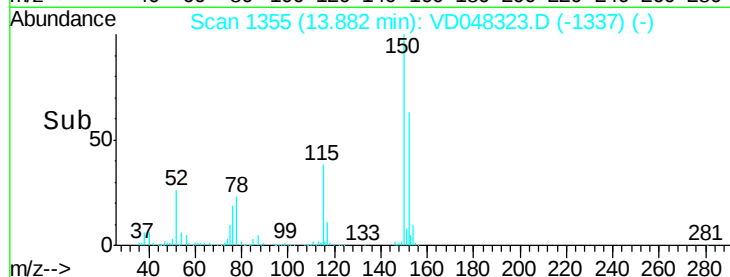
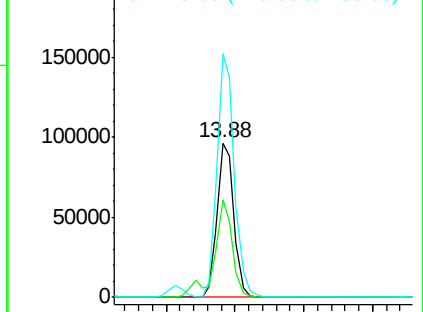
#71
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.88 min Scan# 1355
 Delta R.T. -0.03 min
 Lab File: VD048323.D
 Acq: 6 Jan 2016 15:46

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	63.0	32.4	97.2
150	157.8	0.0	314.6

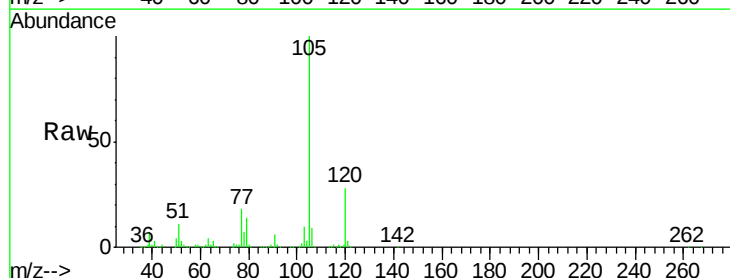


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 115.00 (114.70 to 115.70): V
 Ion 149.90 (149.60 to 150.60): V

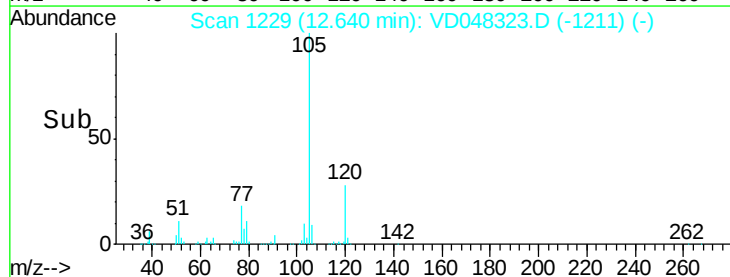
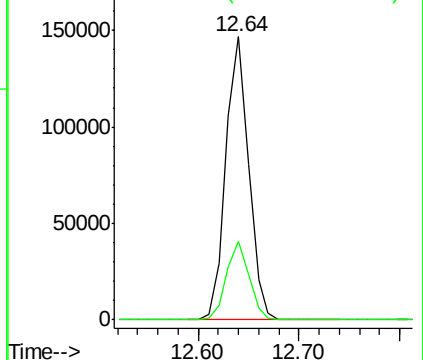


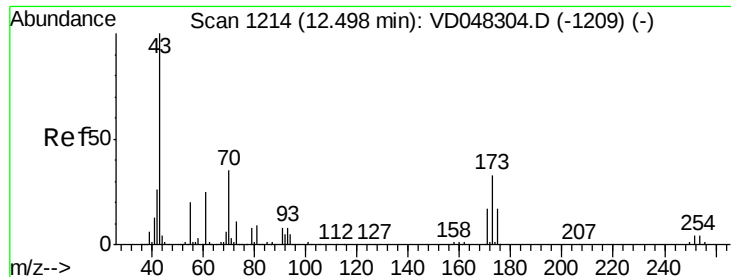
#72
 Isopropylbenzene
 Concen: 18.67 ug/l
 RT: 12.64 min Scan# 1229
 Delta R.T. -0.03 min
 Lab File: VD048323.D
 Acq: 6 Jan 2016 15:46

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.7	13.1	39.3



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

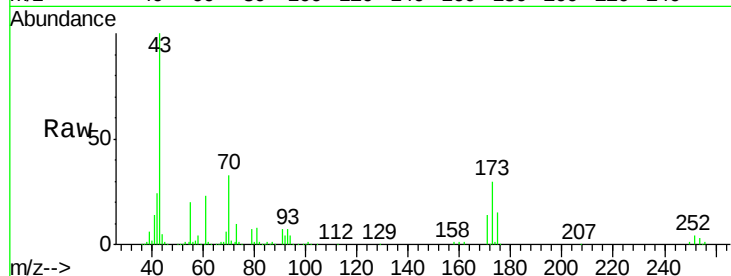




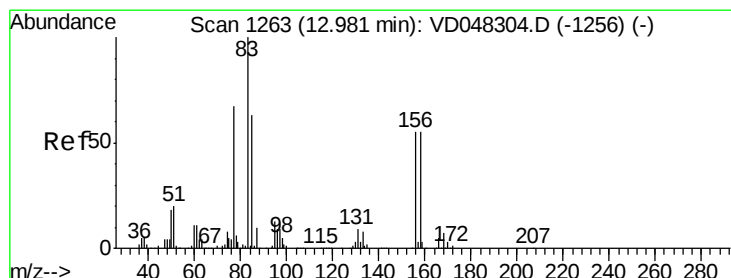
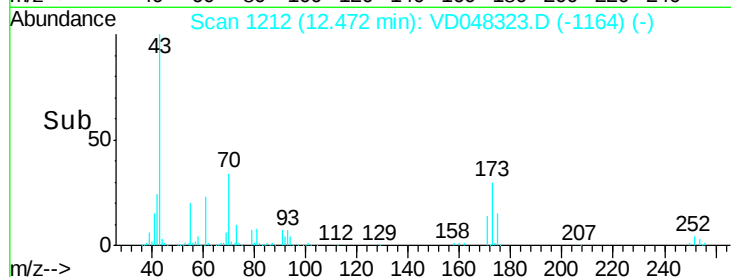
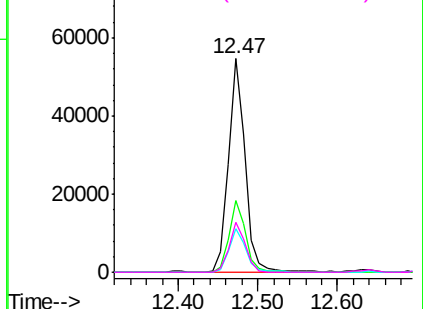
#73
N-amvl acetate
Concen: 23.13 ug/l
RT: 12.47 min Scan# 1212
Delta R.T. -0.03 min
Lab File: VD048323.D
Acq: 6 Jan 2016 15:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	43	Resp:	80818
Ion	Ratio	Lower	Upper
43	100		
70	33.5	27.2	40.8
55	20.2	15.4	23.0
61	23.3	19.9	29.9

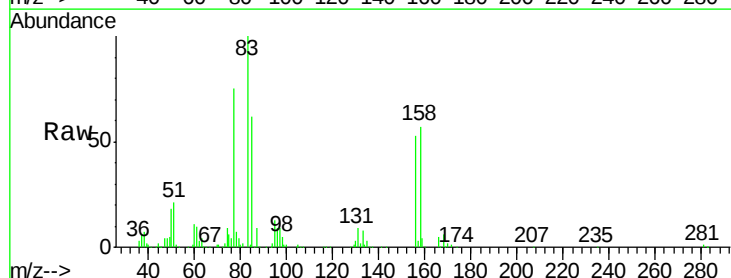


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 70.00 (69.70 to 70.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 60.95 (60.65 to 61.65): VDC

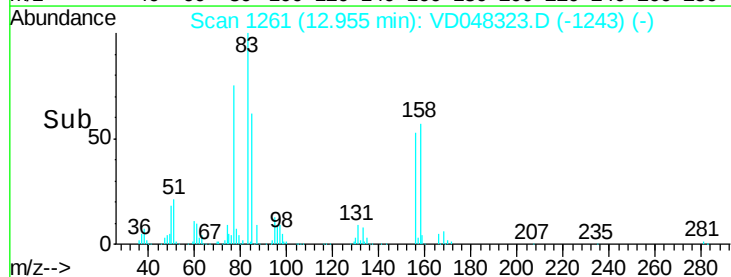
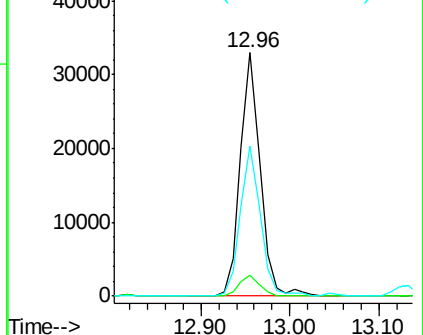


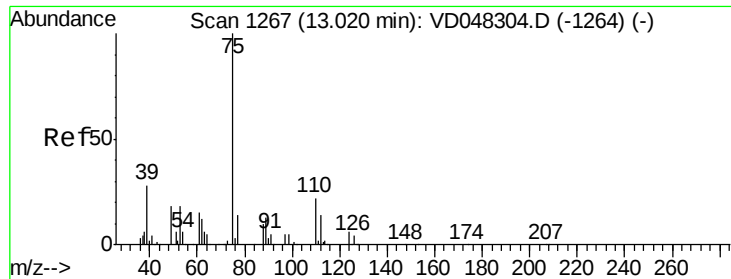
#74
1,1,2,2-Tetrachloroethane
Concen: 22.48 ug/l
RT: 12.96 min Scan# 1261
Delta R.T. -0.03 min
Lab File: VD048323.D
Acq: 6 Jan 2016 15:46

Tgt Ion:	83	Resp:	51707
Ion	Ratio	Lower	Upper
83	100		
131	8.8	4.3	13.1
85	61.8	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: 22.14 ug/l

RT: 13.00 min Scan# 1266

Delta R.T. -0.02 min

Lab File: VD048323.D

Acq: 6 Jan 2016 15:46

Instrument :

BNA_F

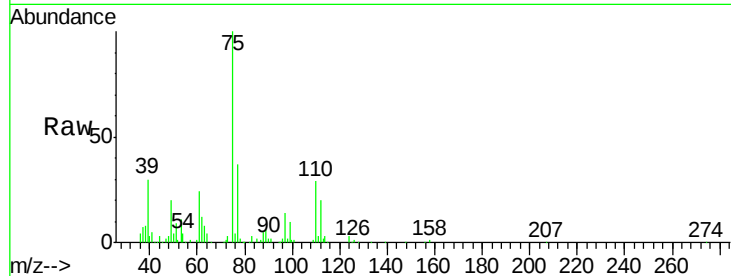
ClientSampleId :

Tot Ion: 75 Resp: 57001

Ion Ratio Lower Upper

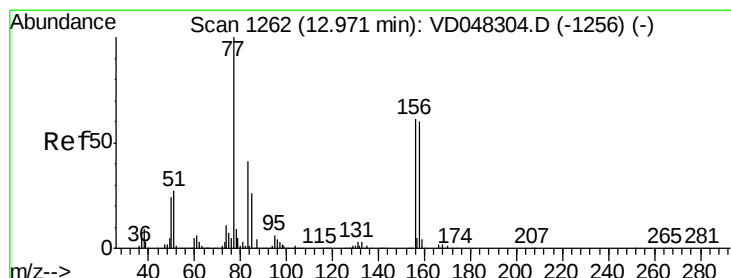
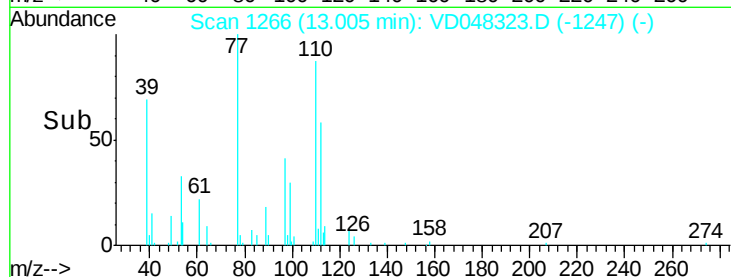
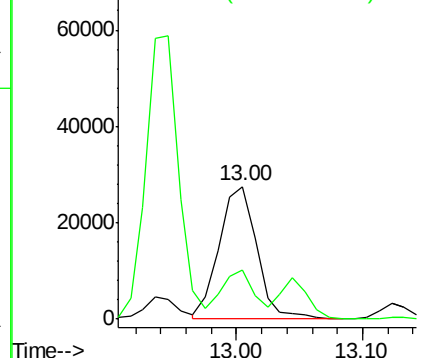
75 100

77 36.7 15.8 47.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#76

Bromobenzene

Concen: 19.73 ug/l

RT: 12.95 min Scan# 1260

Delta R.T. -0.03 min

Lab File: VD048323.D

Acq: 6 Jan 2016 15:46

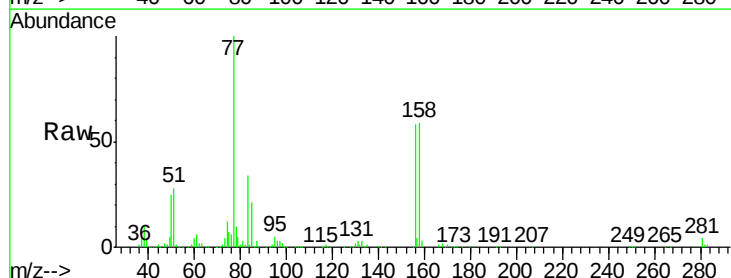
Tgt Ion: 156 Resp: 57098

Ion Ratio Lower Upper

156 100

77 173.6 87.5 262.4

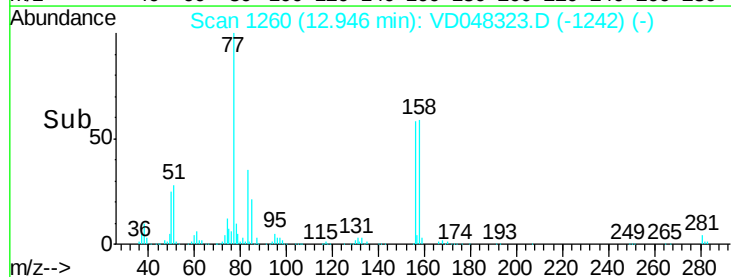
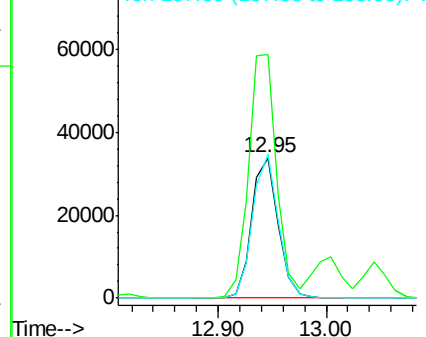
158 102.6 49.5 148.5

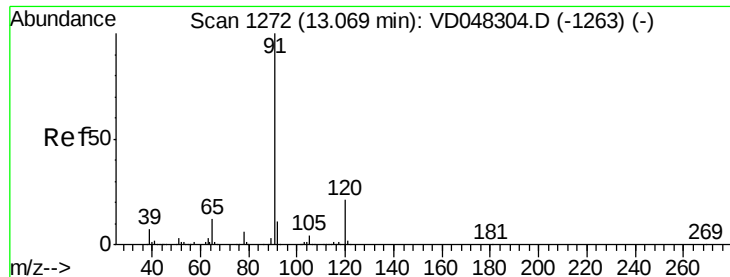


Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V





#77

n-propylbenzene

Concen: 18.67 ug/l

RT: 13.04 min Scan# 1270

Delta R.T. -0.03 min

Lab File: VD048323.D

Acq: 6 Jan 2016 15:46

Instrument :

BNA_F

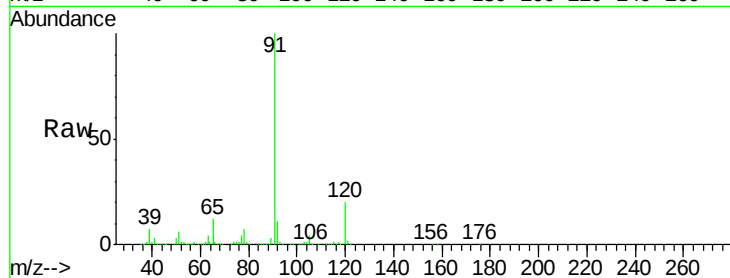
ClientSampleId :

Tot Ion: 91 Resp: 298031

Ion Ratio Lower Upper

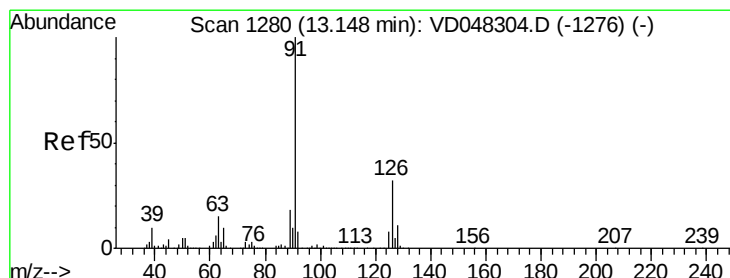
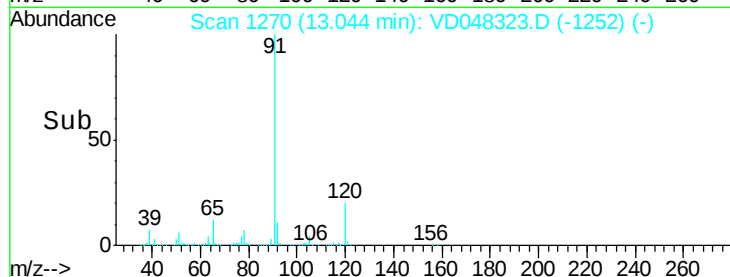
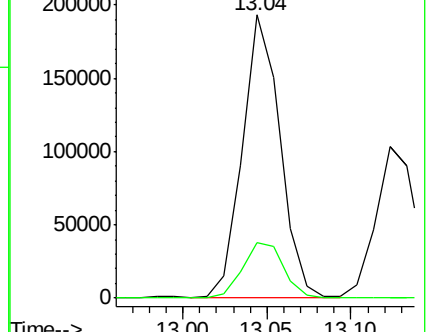
91 100

120 19.7 10.4 31.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V



#78

2-Chlorotoluene

Concen: 18.87 ug/l

RT: 13.12 min Scan# 1278

Delta R.T. -0.03 min

Lab File: VD048323.D

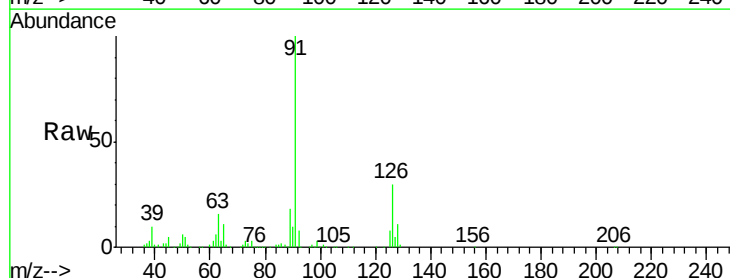
Acq: 6 Jan 2016 15:46

Tgt Ion: 91 Resp: 168501

Ion Ratio Lower Upper

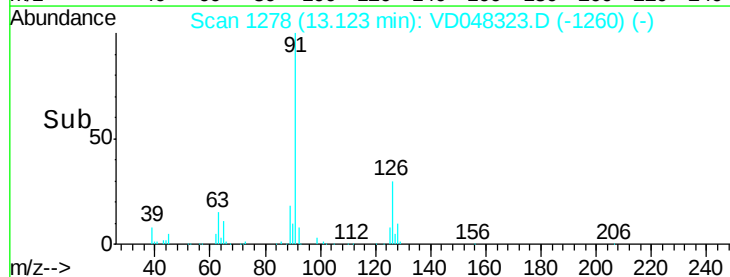
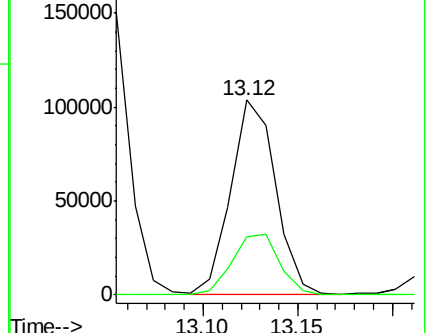
91 100

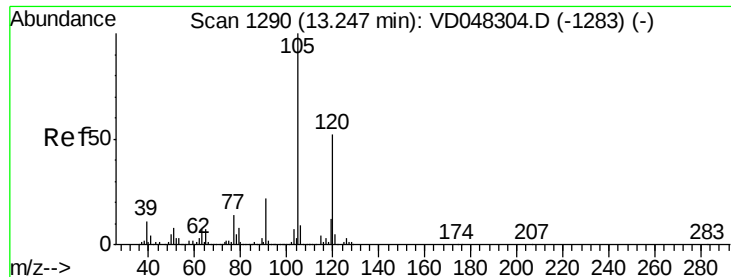
126 30.1 15.3 45.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V





#79

1,3,5-Trimethylbenzene

Concen: 19.11 ug/l

RT: 13.22 min Scan# 1288

Delta R.T. -0.03 min

Lab File: VD048323.D

Acq: 6 Jan 2016 15:46

Instrument :

BNA_F

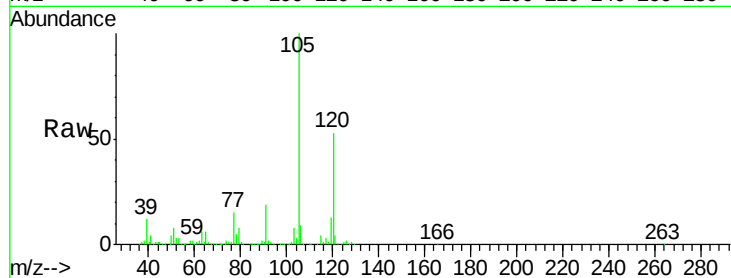
ClientSampleId :

Tot Ion:105 Resp: 184267

Ion Ratio Lower Upper

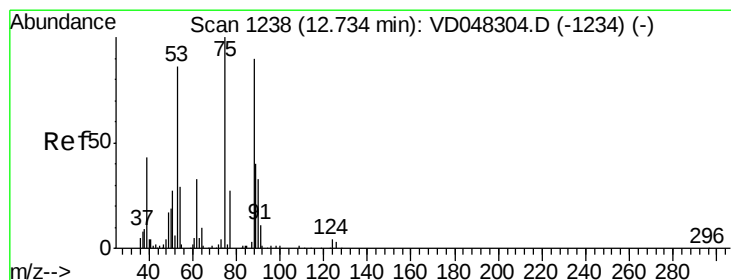
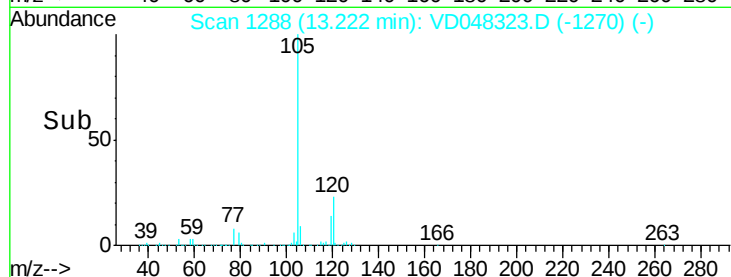
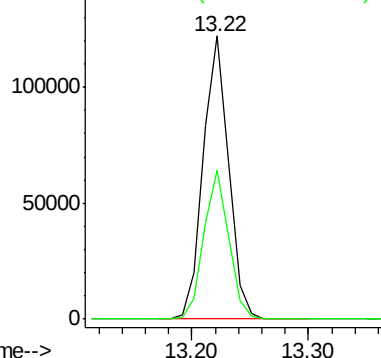
105 100

120 52.8 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: 21.28 ug/l

RT: 12.71 min Scan# 1236

Delta R.T. -0.03 min

Lab File: VD048323.D

Acq: 6 Jan 2016 15:46

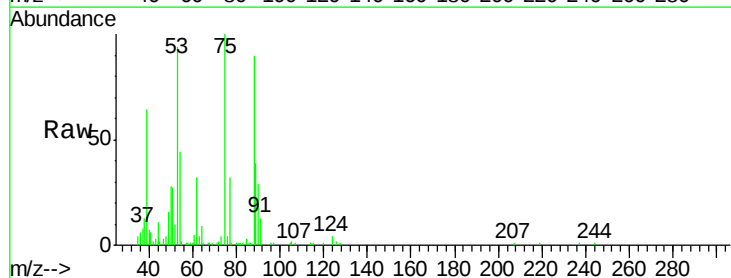
Tgt Ion: 75 Resp: 14697

Ion Ratio Lower Upper

75 100

53 93.9 77.8 116.8

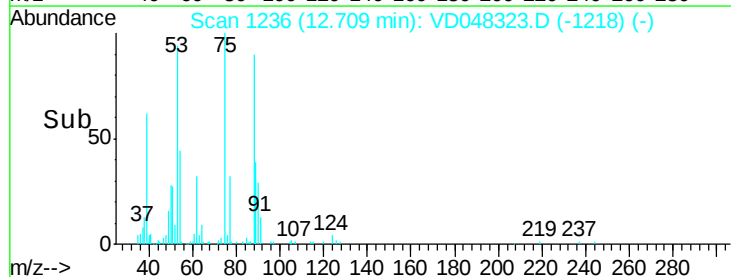
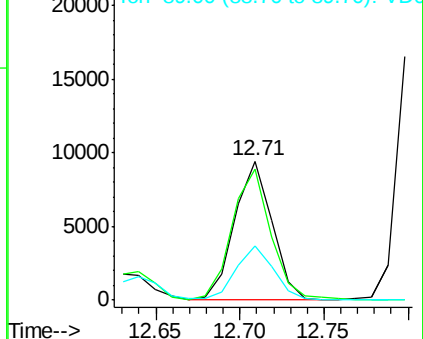
89 39.1 32.6 49.0

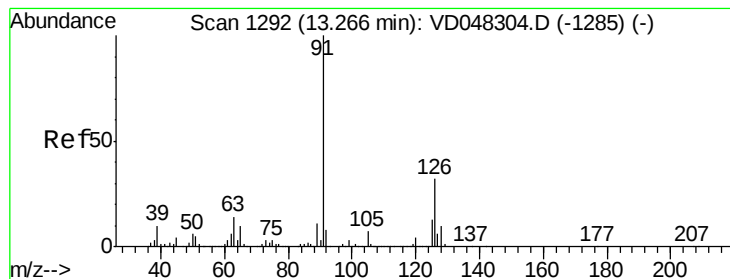


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC

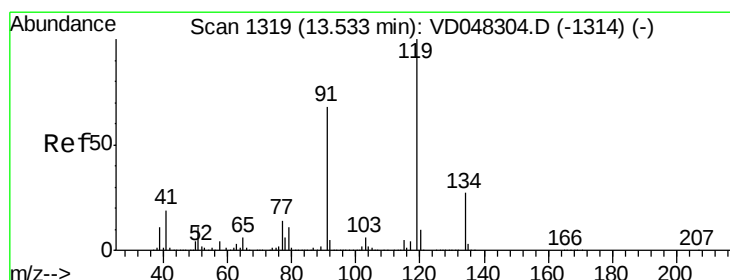
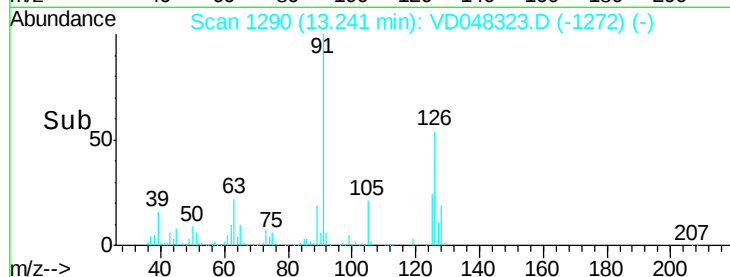
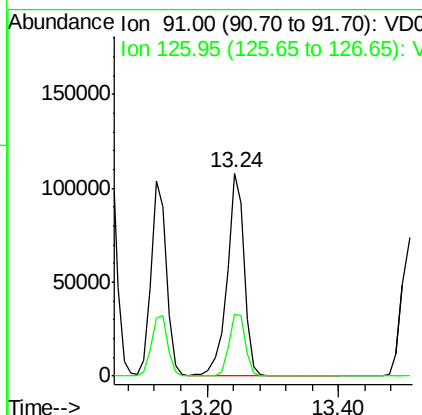
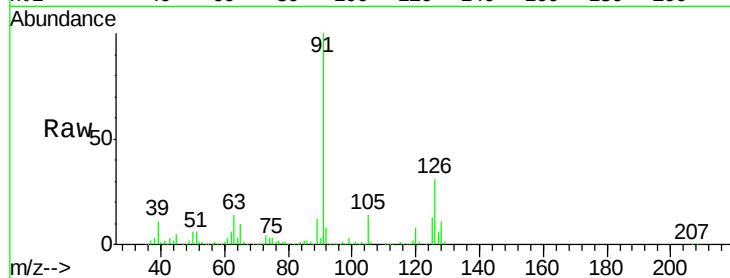




#81
4-Chlorotoluene
Concen: 19.07 ug/l
RT: 13.24 min Scan# 1290
Delta R.T. -0.03 min
Lab File: VD048323.D
Acq: 6 Jan 2016 15:46

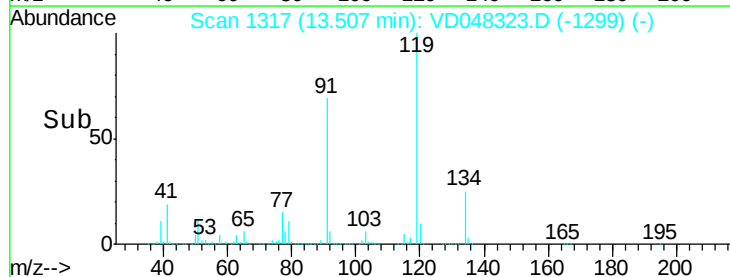
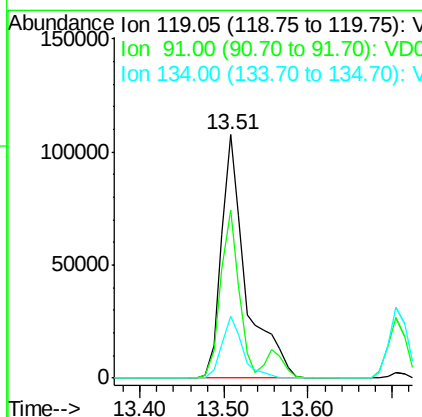
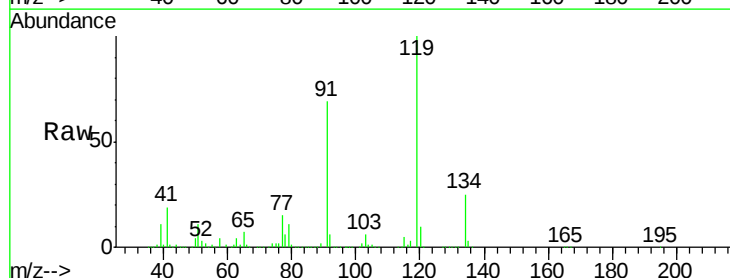
Instrument :
BNA_F
ClientSampled :

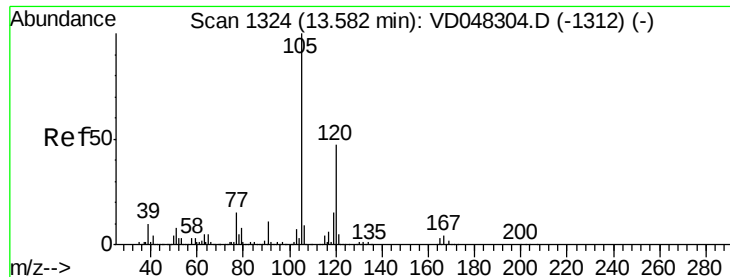
Tot Ion: 91 Resp: 196691
Ion Ratio Lower Upper
91 100
126 30.6 15.4 46.1



#82
tert-Butylbenzene
Concen: 23.37 ug/l
RT: 13.51 min Scan# 1317
Delta R.T. -0.03 min
Lab File: VD048323.D
Acq: 6 Jan 2016 15:46

Tgt Ion: 119 Resp: 218374
Ion Ratio Lower Upper
119 100
91 68.8 33.2 99.6
134 25.4 12.5 37.5





#83

1,2,4-Trimethylbenzene

Concen: 19.29 ug/l

RT: 13.56 min Scan# 1322

Delta R.T. -0.03 min

Lab File: VD048323.D

Acq: 6 Jan 2016 15:46

Instrument :

BNA_F

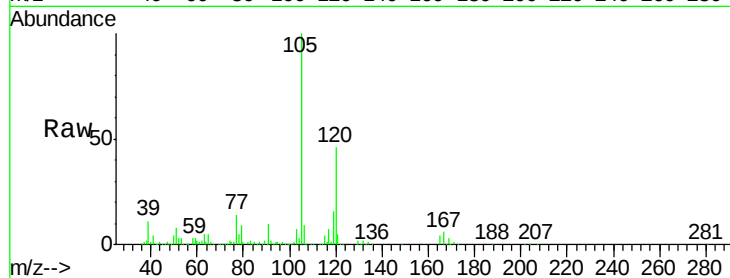
ClientSampleId :

Tot Ion:105 Resp: 191514

Ion Ratio Lower Upper

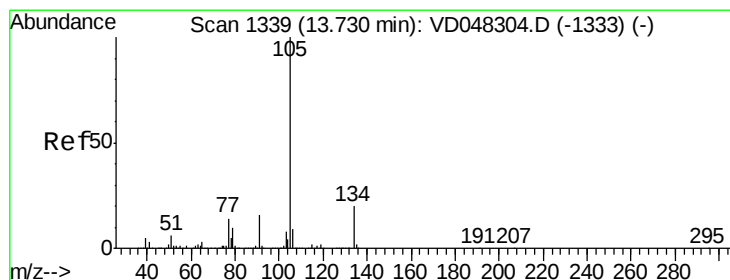
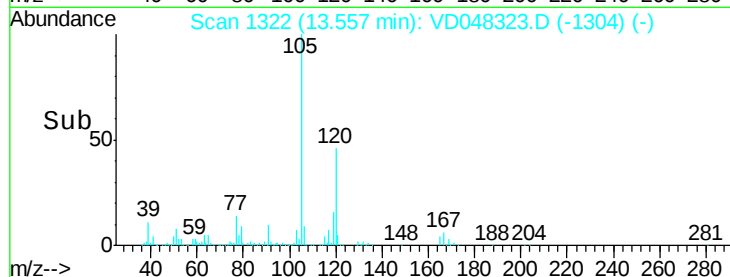
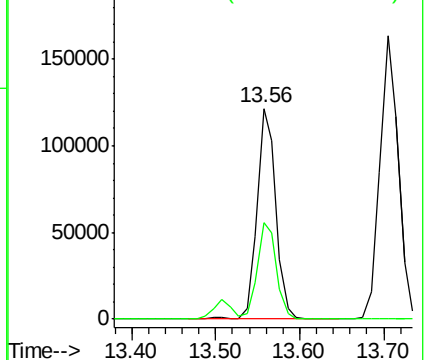
105 100

120 46.0 22.6 67.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#84

sec-Butylbenzene

Concen: 18.75 ug/l

RT: 13.70 min Scan# 1337

Delta R.T. -0.03 min

Lab File: VD048323.D

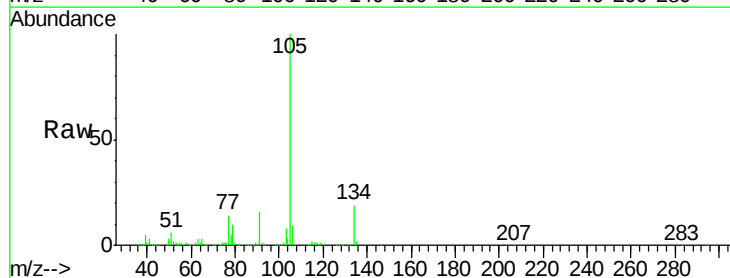
Acq: 6 Jan 2016 15:46

Tgt Ion:105 Resp: 248575

Ion Ratio Lower Upper

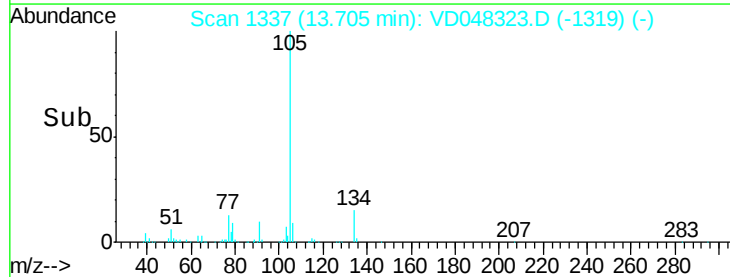
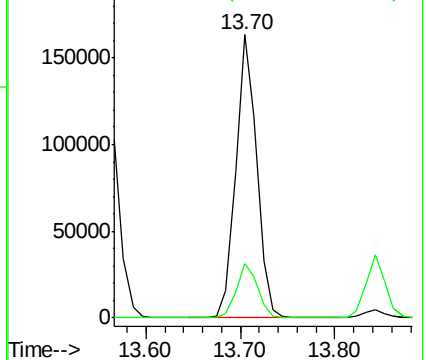
105 100

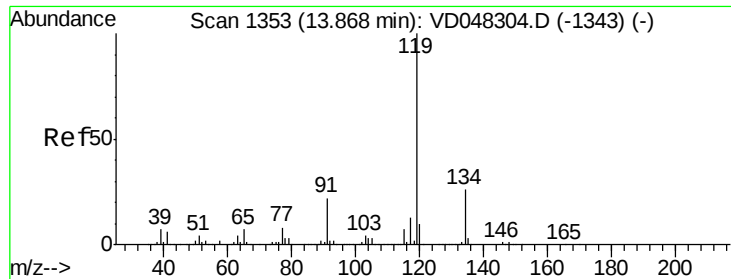
134 19.2 9.4 28.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V

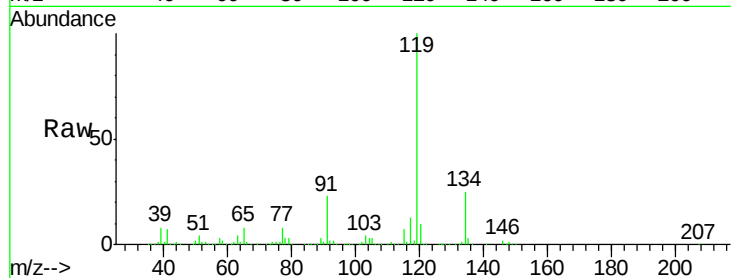




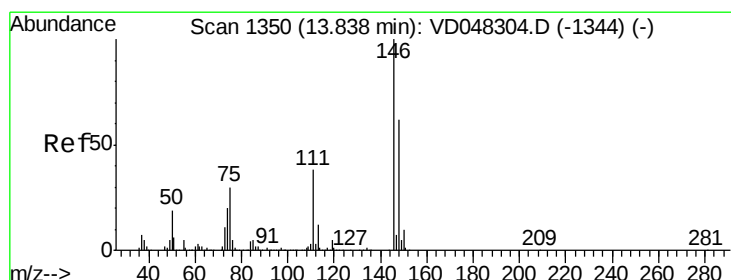
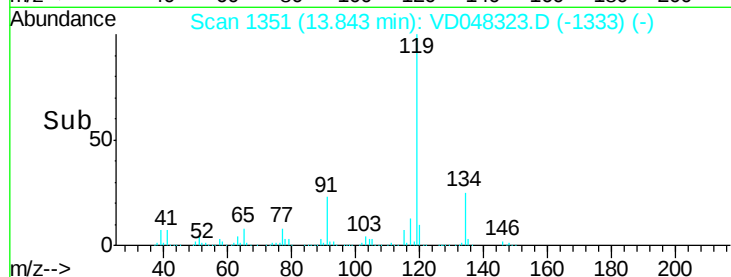
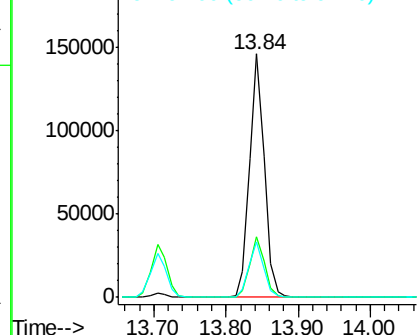
#85
 p-Isopropyltoluene
 Concen: 19.08 ug/l
 RT: 13.84 min Scan# 1351
 Delta R.T. -0.03 min
 Lab File: VD048323.D
 Acq: 6 Jan 2016 15:46

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.0	12.5	37.5
91	22.8	11.2	33.5

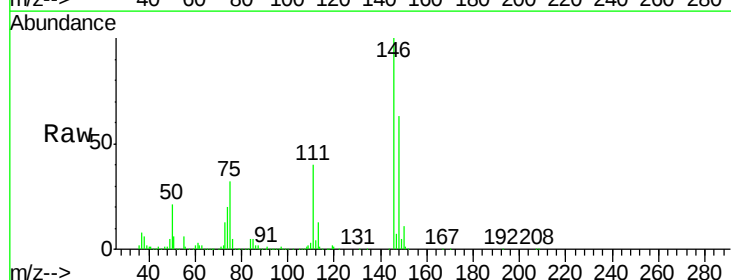


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 134.10 (133.80 to 134.80): V
 Ion 91.00 (90.70 to 91.70): V

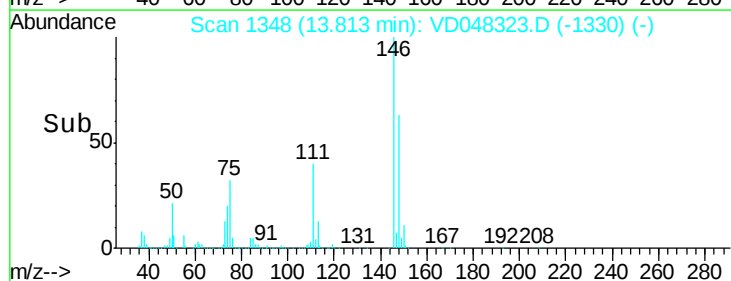
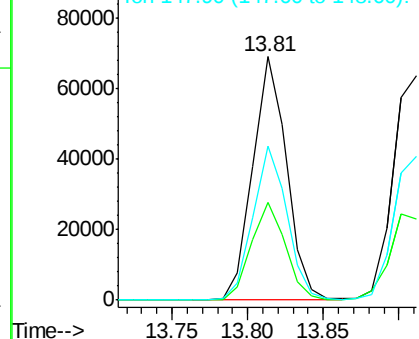


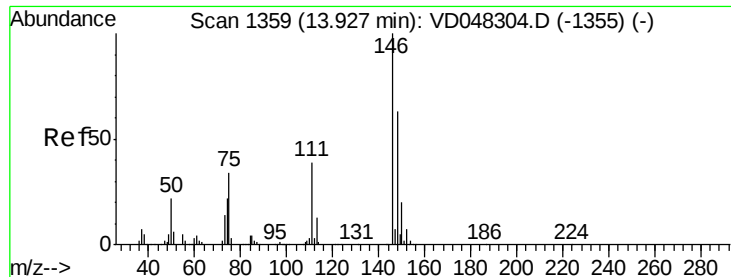
#86
 1,3-Dichlorobenzene
 Concen: 19.51 ug/l
 RT: 13.81 min Scan# 1348
 Delta R.T. -0.03 min
 Lab File: VD048323.D
 Acq: 6 Jan 2016 15:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.5	61.6
148	63.1	31.4	94.0



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





#87

1,4-Dichlorobenzene

Concen: 19.15 ug/l

RT: 13.91 min Scan# 1358

Delta R.T. -0.02 min

Lab File: VD048323.D

Acq: 6 Jan 2016 15:46

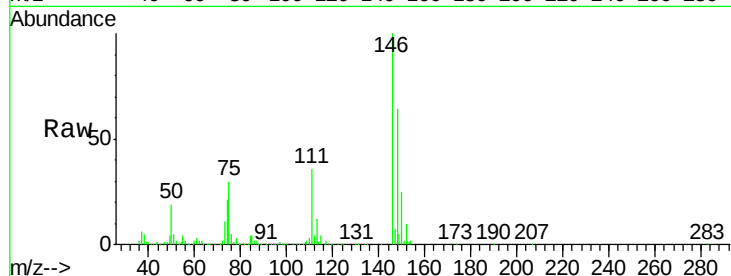
Instrument :

BNA_F

ClientSampleId :

Tot Ion:146 Resp: 105997

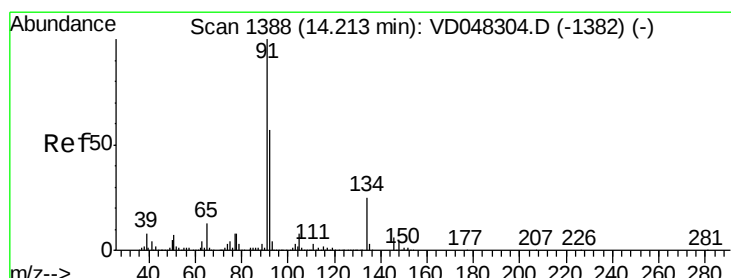
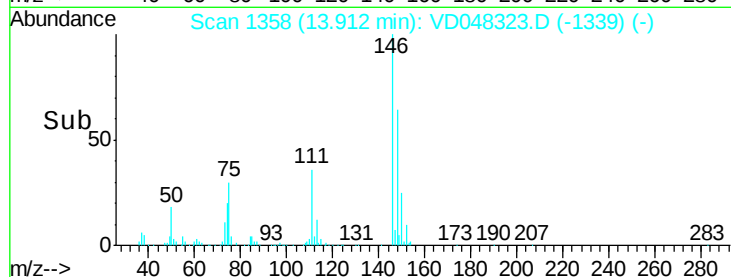
Ion	Ratio	Lower	Upper
146	100		
111	36.0	18.4	55.2
148	63.9	32.1	96.5



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: 18.69 ug/l

RT: 14.19 min Scan# 1386

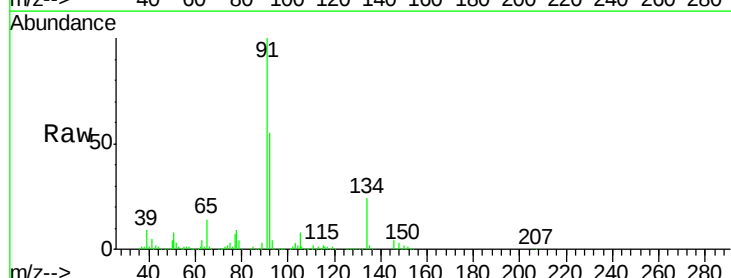
Delta R.T. -0.03 min

Lab File: VD048323.D

Acq: 6 Jan 2016 15:46

Tgt Ion: 91 Resp: 206115

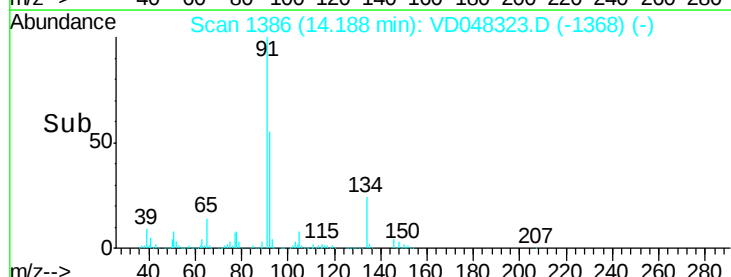
Ion	Ratio	Lower	Upper
91	100		
92	55.4	28.8	86.5
134	23.8	11.7	35.0

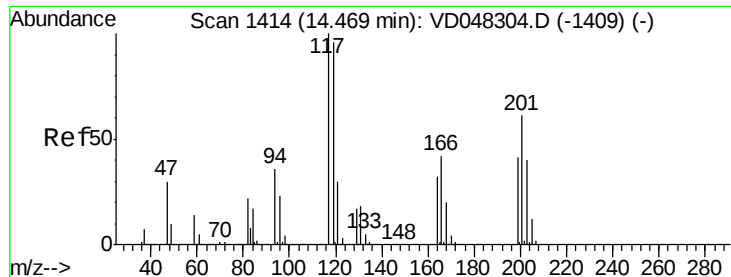


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V





#89

Hexachloroethane

Concen: 17.12 ug/l

RT: 14.44 min Scan# 1412

Delta R.T. -0.03 min

Lab File: VD048323.D

Acq: 6 Jan 2016 15:46

Instrument :

BNA_F

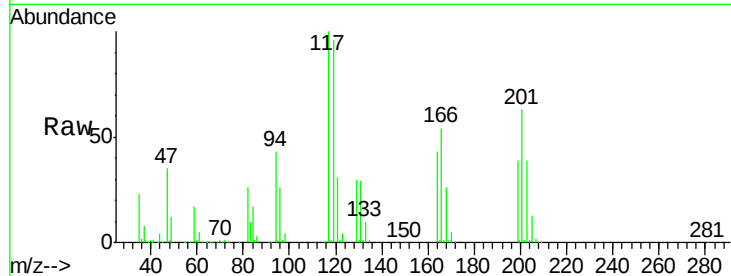
ClientSampleId :

Tot Ion:117 Resp: 38480

Ion Ratio Lower Upper

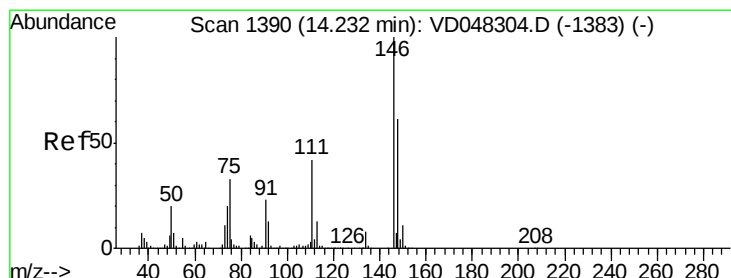
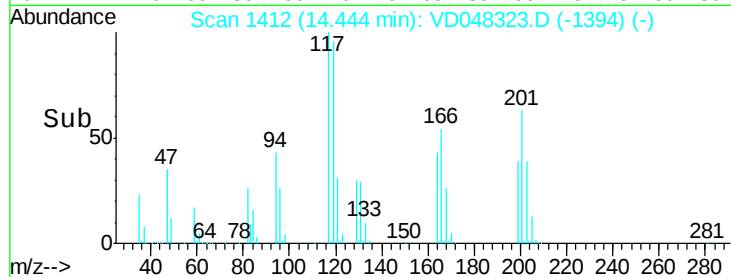
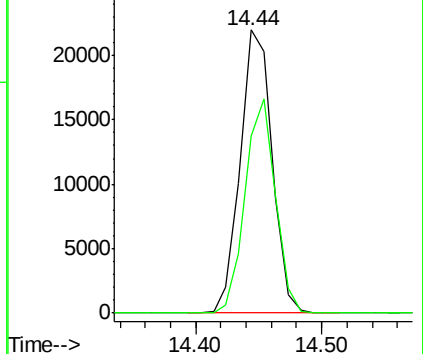
117 100

201 62.8 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: 19.50 ug/l

RT: 14.21 min Scan# 1388

Delta R.T. -0.03 min

Lab File: VD048323.D

Acq: 6 Jan 2016 15:46

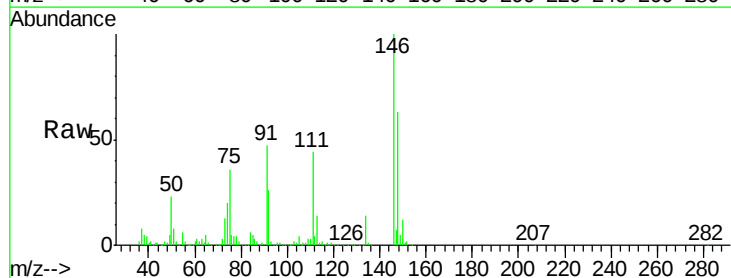
Tgt Ion:146 Resp: 95068

Ion Ratio Lower Upper

146 100

111 43.7 22.0 66.0

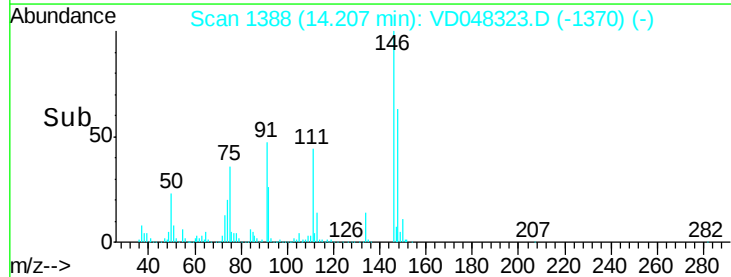
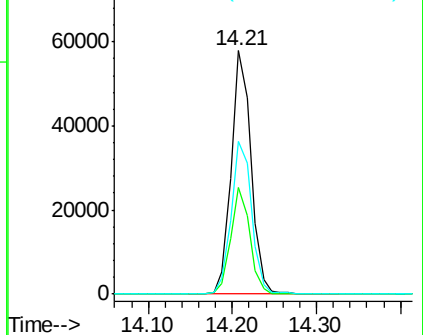
148 62.8 32.0 96.2

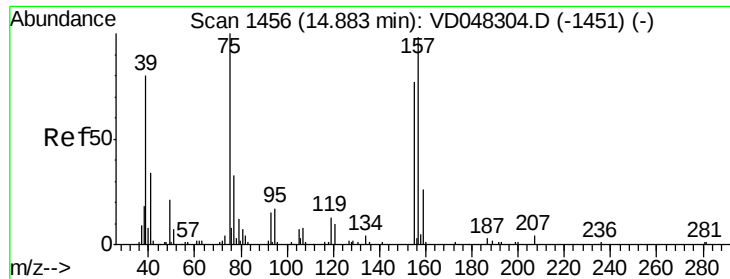


Abundance Ion 145.95 (145.65 to 146.65): V

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: 23.69 ug/l

RT: 14.86 min Scan# 1454

Delta R.T. -0.03 min

Lab File: VD048323.D

Acq: 6 Jan 2016 15:46

Instrument :

BNA_F

ClientSampled :

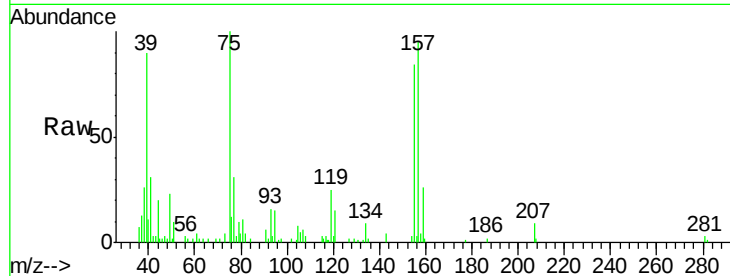
Tot Ion: 75 Resp: 7092

Ion Ratio Lower Upper

75 100

155 83.7 38.2 114.6

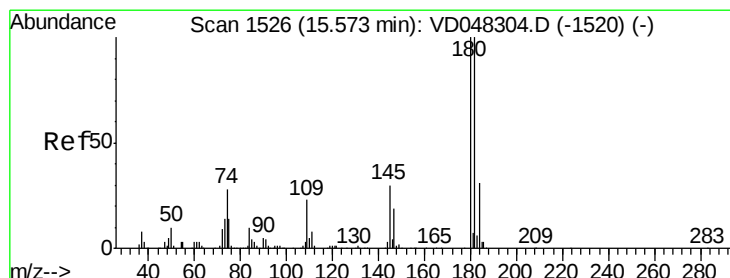
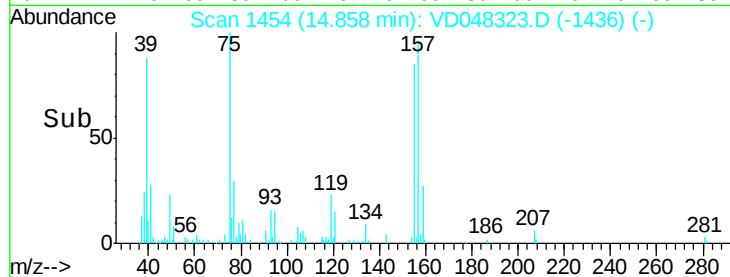
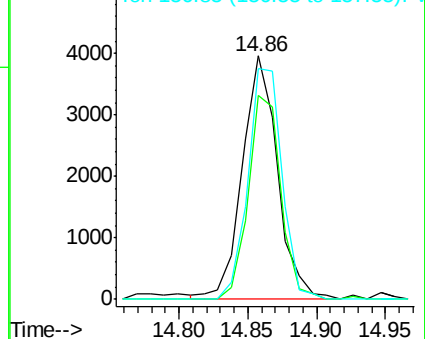
157 94.6 50.5 151.6



Abundance Ion 75.00 (74.70 to 75.70): VD048323.D (-1436) (-)

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V



#92

1,2,4-Trichlorobenzene

Concen: 20.52 ug/l

RT: 15.54 min Scan# 1523

Delta R.T. -0.04 min

Lab File: VD048323.D

Acq: 6 Jan 2016 15:46

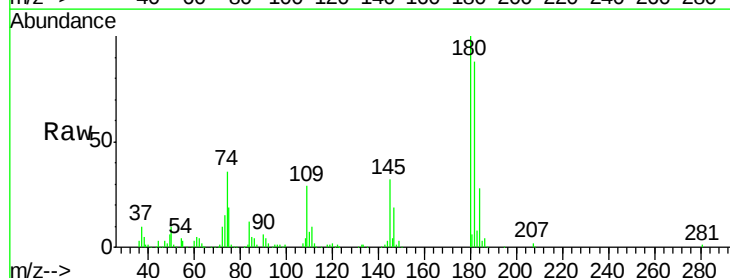
Tgt Ion: 180 Resp: 60038

Ion Ratio Lower Upper

180 100

182 88.0 46.6 139.8

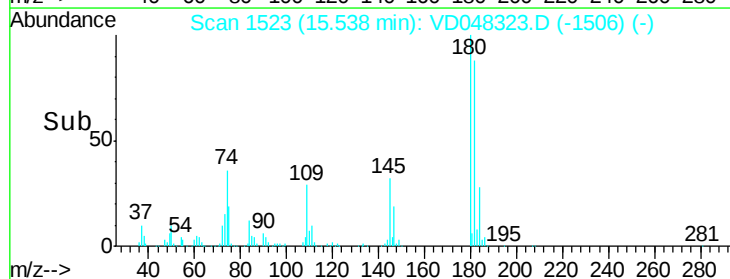
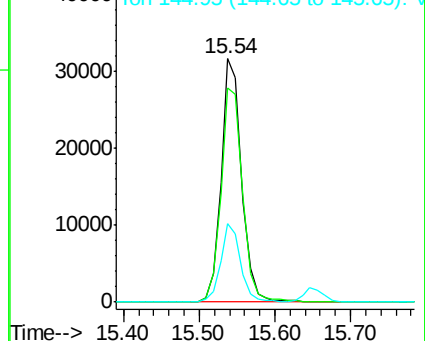
145 32.3 14.9 44.7

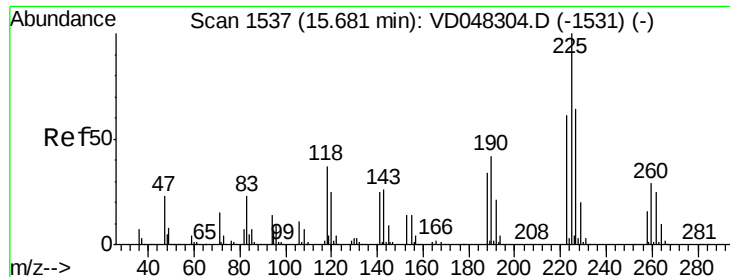


Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V





#93

Hexachlorobutadiene

Concen: 19.01 ug/l

RT: 15.66 min Scan# 1535

Delta R.T. -0.03 min

Lab File: VD048323.D

Acq: 6 Jan 2016 15:46

Instrument :

BNA_F

ClientSampleId :

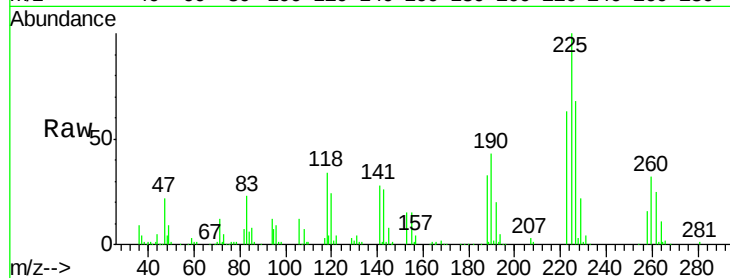
Tot Ion:225 Resp: 36857

Ion Ratio Lower Upper

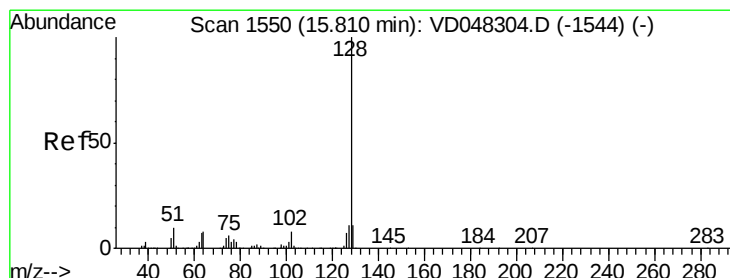
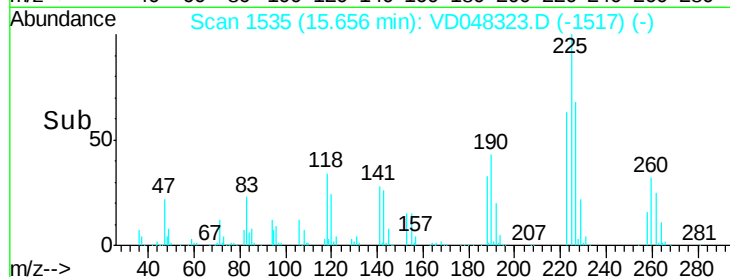
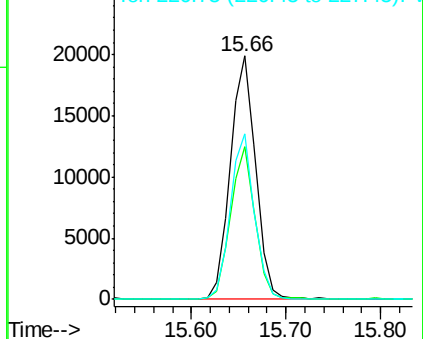
225 100

223 62.9 31.8 95.3

227 68.1 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: 22.83 ug/l

RT: 15.78 min Scan# 1548

Delta R.T. -0.02 min

Lab File: VD048323.D

Acq: 6 Jan 2016 15:46

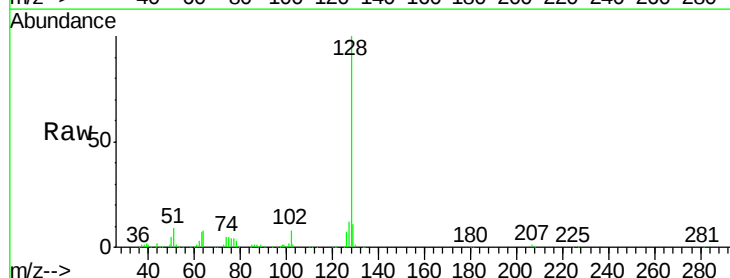
Tgt Ion:128 Resp: 115716

Ion Ratio Lower Upper

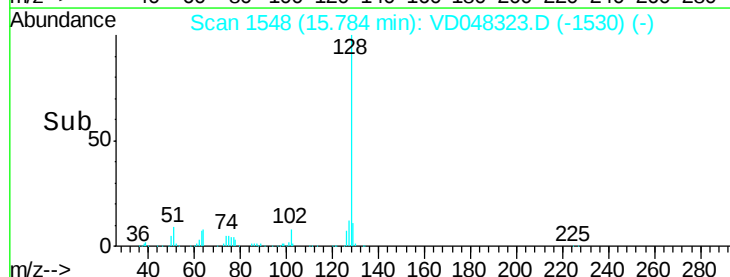
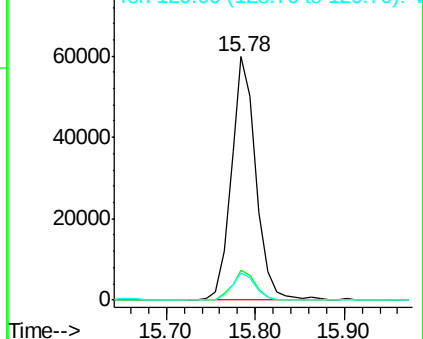
128 100

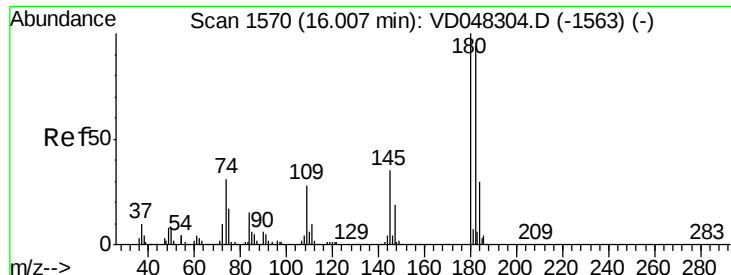
127 12.4 9.7 14.5

129 11.1 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

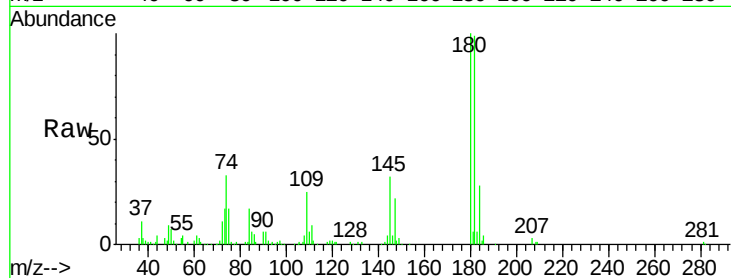




#95
 1,2,3-Trichlorobenzene
 Concen: 20.96 ug/l
 RT: 15.98 min Scan# 1568
 Delta R.T. -0.03 min
 Lab File: VD048323.D
 Acq: 6 Jan 2016 15:46

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.7	49.0	147.0
145	32.4	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

