

Data Path : W:\HPCHEM1\MSVOA D\DATA\VD010616\
 Data File : VD048321.D
 Acq On : 6 Jan 2016 14:53
 Operator : FY/SY
 Sample : VD0106SBS01
 Misc : 5.00µg/5ml/MSVOA D/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 07 04:26:53 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	203452	50.00	ug/l	-0.03
33) 1,4-Difluorobenzene	7.38	114	354903	50.00	ug/l	-0.03
62) Chlorobenzene-d5	11.53	117	345104	50.00	ug/l	-0.03
71) 1,4-Dichlorobenzene-d4	13.88	152	156076	50.00	ug/l	-0.03

System Monitoring Compounds

32) 1,2-Dichloroethane-d4	6.66	65	136850	54.88	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	109.76%	
34) Dibromofluoromethane	6.16	113	131370	54.82	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	109.64%	
49) Toluene-d8	9.57	98	413130	52.15	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	104.30%	
61) 4-Bromofluorobenzene	12.81	95	177098	51.48	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	102.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.41	85	48681	18.50	ug/l	97
3) Chloromethane	1.60	50	24799	15.37	ug/l	95
4) Vinyl Chloride	1.66	62	26451	17.78	ug/l	91
5) Bromomethane	1.94	94	15631	16.01	ug/l	99
6) Chloroethane	2.06	64	14234	16.66	ug/l #	88
7) Trichlorofluoromethane	2.30	101	61025	18.44	ug/l	94
8) Diethyl Ether	2.60	74	20295	21.03	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.86	101	41102	18.70	ug/l	95
10) Methyl Iodide	3.02	142	24915	16.68	ug/l	97
11) Tert butyl alcohol	3.65	59	14021	114.59	ug/l	100
12) 1,1-Dichloroethene	2.84	96	34050	18.04	ug/l	97
13) Acrolein	2.75	56	20621	106.23	ug/l	94
14) Allyl chloride	3.29	41	71867	18.67	ug/l	95
15) Acrylonitrile	3.79	53	46516	116.90	ug/l	99
16) Acetone	2.91	43	50975	94.64	ug/l	95
17) Carbon Disulfide	3.09	76	115032	17.32	ug/l	97
18) Methyl Acetate	3.29	43	31694	23.85	ug/l	94
19) Methyl tert-butyl Ether	3.85	73	90306	22.20	ug/l	97
20) Methylene Chloride	3.47	84	47061	18.80	ug/l	97
21) trans-1,2-Dichloroethene	3.84	96	39194	18.78	ug/l	96
22) Diisopropyl ether	4.60	45	142074	19.55	ug/l	99
23) Vinyl Acetate	4.55	43	412238	114.94	ug/l	99
24) 1,1-Dichloroethane	4.51	63	83289	19.69	ug/l	99
25) 2-Butanone	5.40	43	69094	119.36	ug/l	97
26) 2,2-Dichloropropane	5.38	77	72326	18.37	ug/l	99
27) cis-1,2-Dichloroethene	5.38	96	46544	19.14	ug/l	97
28) Bromochloromethane	5.74	49	31380	17.81	ug/l	90
29) Chloroform	5.92	83	90120	19.40	ug/l	98
30) Cyclohexane	6.22	56	64523	18.29	ug/l	97
31) 1,1,1-Trichloroethane	6.13	97	71136	19.68	ug/l	97
35) 1,1-Dichloropropene	6.38	75	67582	19.14	ug/l	97
36) Ethyl Acetate	5.49	43	32788	21.02	ug/l	98
37) Carbon Tetrachloride	6.36	117	59445	18.90	ug/l	96
38) Methylcyclohexane	8.03	83	69507	18.29	ug/l	97

Data Path : W:\HPCHEM1\MSVOA D\DATA\VD010616\
 Data File : VD048321.D
 Acq On : 6 Jan 2016 14:53
 Operator : FY/SY
 Sample : VD0106SBS01
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 07 04:26:53 2016
 Quant Method : W:\HPCHEM1\MSVOA_D\METHOD\82D010416S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 04 14:08:32 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Benzene	6.67	78	182863	19.42	ug/l	97
40) Methacrylonitrile	5.71	41	21849	23.89	ug/l	96
41) 1,2-Dichloroethane	6.78	62	62593	21.17	ug/l	99
42) Isopropyl Acetate	8.36	43	52434	23.65	ug/l	97
43) Trichloroethene	7.70	130	52262	19.70	ug/l	95
44) 1,2-Dichloropropane	8.09	63	52728	20.19	ug/l	99
45) Dibromomethane	8.22	93	29413	20.68	ug/l	98
46) Bromodichloromethane	8.52	83	67029	19.73	ug/l	91
47) Methyl methacrylate	8.02	41	36952	17.50	ug/l	92
48) 1,4-Dioxane	8.24	88	6820	532.67	ug/l	94
50) 4-Methyl-2-Pentanone	9.43	43	189758	128.76	ug/l	98
51) Toluene	9.67	92	113662	19.80	ug/l	96
52) t-1,3-Dichloropropene	10.07	75	68295	21.13	ug/l	98
53) cis-1,3-Dichloropropene	9.19	75	81397	20.16	ug/l	97
54) 1,1,2-Trichloroethane	10.35	97	39594	22.06	ug/l	97
55) Ethyl methacrylate	10.19	69	50098	23.13	ug/l	95
56) 1,3-Dichloropropane	10.57	76	76815	21.47	ug/l	99
57) 2-Chloroethyl Vinyl ether	8.98	63	133752	105.02	ug/l	98
58) 2-Hexanone	10.66	43	131367	127.88	ug/l	100
59) Dibromochloromethane	10.84	129	47938	20.16	ug/l	100
60) 1,2-Dibromoethane	10.98	107	40132	20.87	ug/l	97
63) Tetrachloroethene	10.43	164	43012	20.12	ug/l	91
64) Chlorobenzene	11.57	112	137977	20.06	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.69	131	48036	19.58	ug/l	96
66) Ethyl Benzene	11.69	91	239028	19.64	ug/l	98
67) m/p-Xylenes	11.85	106	171719	39.84	ug/l	96
68) o-Xylene	12.25	106	85358	20.58	ug/l	100
69) Styrene	12.28	104	137984	20.80	ug/l	100
70) Bromoform	12.47	173	25076	20.85	ug/l	93
72) Isopropylbenzene	12.64	105	229472	19.26	ug/l	98
73) N-amyl acetate	12.47	43	76851	22.87	ug/l	97
74) 1,1,2,2-Tetrachloroethane	12.95	83	50077	22.64	ug/l	100
75) 1,2,3-Trichloropropane	13.00	75	56532	22.83	ug/l	96
76) Bromobenzene	12.94	156	55608	19.98	ug/l	94
77) n-propylbenzene	13.04	91	297950	19.40	ug/l	99
78) 2-Chlorotoluene	13.12	91	163234	19.01	ug/l	98
79) 1,3,5-Trimethylbenzene	13.22	105	184355	19.88	ug/l	98
80) trans-1,4-Dichloro-2-buten	12.70	75	13589	20.59	ug/l	96
81) 4-Chlorotoluene	13.24	91	193581	19.51	ug/l	98
82) tert-Butylbenzene	13.50	119	213731	23.79	ug/l	96
83) 1,2,4-Trimethylbenzene	13.55	105	188822	19.78	ug/l	96
84) sec-Butylbenzene	13.70	105	245018	19.22	ug/l	100
85) p-Isopropyltoluene	13.84	119	207890	19.60	ug/l	98
86) 1,3-Dichlorobenzene	13.81	146	106028	19.89	ug/l	96
87) 1,4-Dichlorobenzene	13.91	146	107204	20.14	ug/l	98
88) n-Butylbenzene	14.18	91	201891	19.04	ug/l	99
89) Hexachloroethane	14.44	117	37400	17.30	ug/l	94
90) 1,2-Dichlorobenzene	14.20	146	94795	20.22	ug/l	98
91) 1,2-Dibromo-3-Chloropropan	14.85	75	6884	23.91	ug/l	97
92) 1,2,4-Trichlorobenzene	15.53	180	59241	21.05	ug/l	98

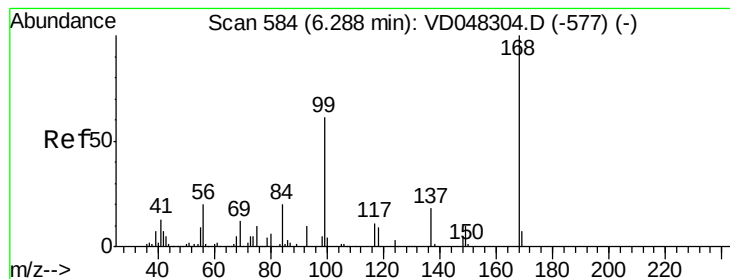
Data Path : W:\HPCHEM1\MSVOA D\DATA\VD010616\
Data File : VD048321.D
Acq On : 6 Jan 2016 14:53
Operator : FY/SY
Sample : VD0106SBSD01
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 39 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Jan 07 04:26:53 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)
93) Hexachlorobutadiene	15.65	225	37196	19.95	ug/l	94
94) Naphthalene	15.78	128	112861	23.10	ug/l	98
95) 1,2,3-Trichlorobenzene	15.98	180	51370	22.26	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.26 min Scan# 581

Delta R.T. -0.03 min

Lab File: VD048321.D

Acq: 6 Jan 2016 14:53

Instrument :

BNA_F

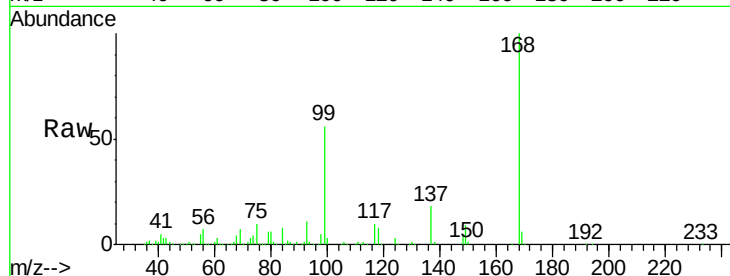
ClientSampleId :

Tot Ion:168 Resp: 203452

Ion Ratio Lower Upper

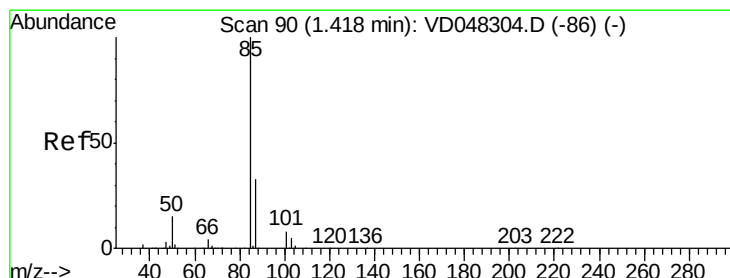
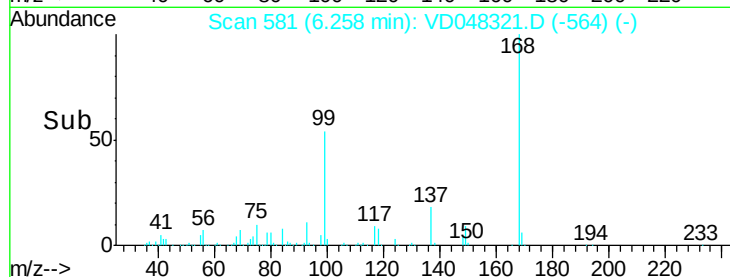
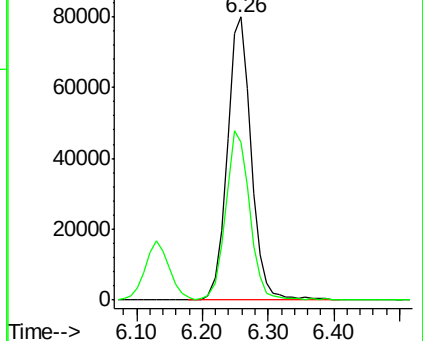
168 100

99 55.8 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: 18.50 ug/l

RT: 1.41 min Scan# 89

Delta R.T. -0.01 min

Lab File: VD048321.D

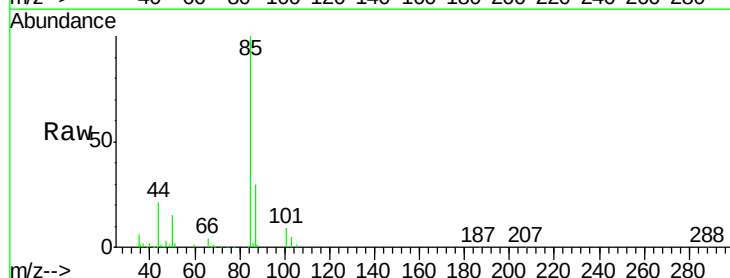
Acq: 6 Jan 2016 14:53

Tgt Ion: 85 Resp: 48681

Ion Ratio Lower Upper

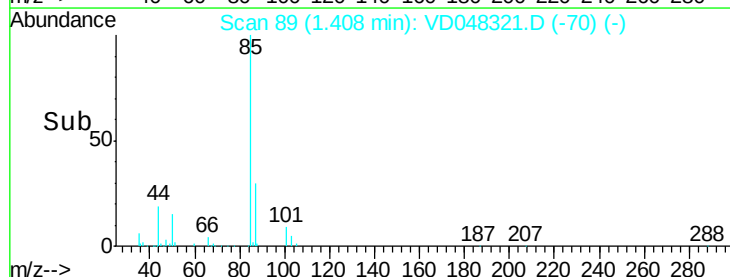
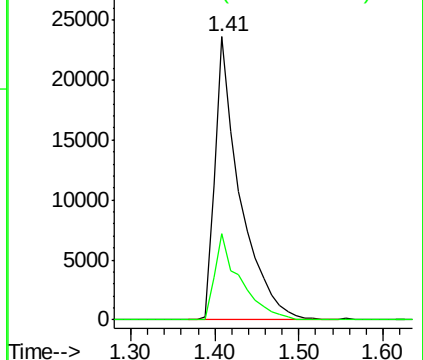
85 100

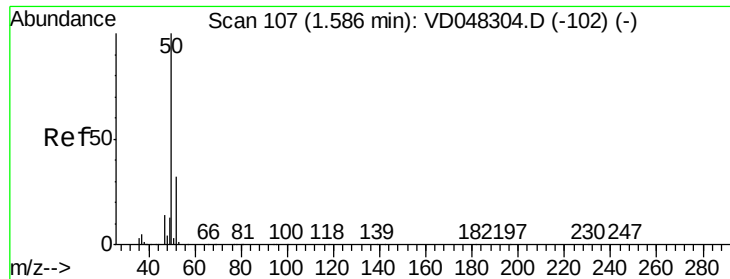
87 30.4 16.1 48.2



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 15.37 ug/l

RT: 1.60 min Scan# 108

Delta R.T. 0.01 min

Lab File: VD048321.D

Acq: 6 Jan 2016 14:53

Instrument :

BNA_F

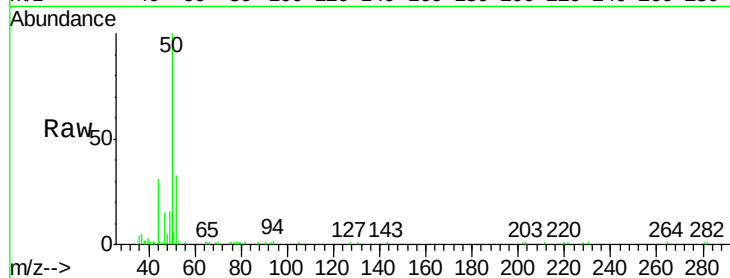
ClientSampleId :

Tot Ion: 50 Resp: 24799

Ion Ratio Lower Upper

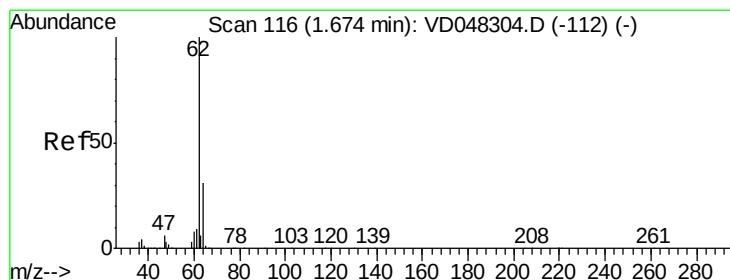
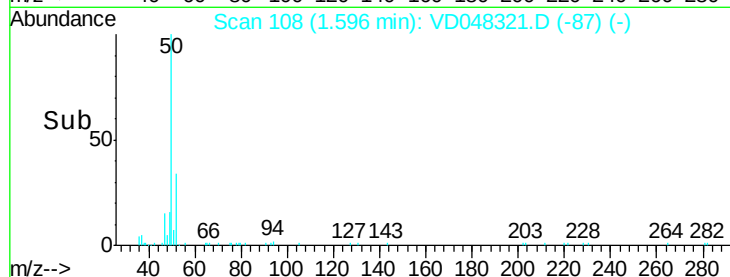
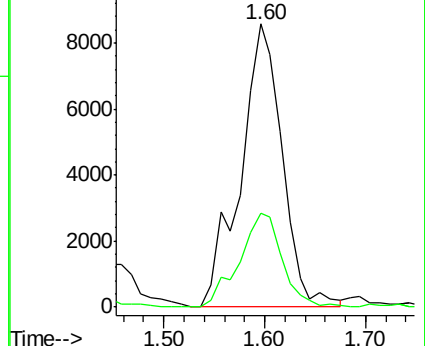
50 100

52 33.1 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: 17.78 ug/l

RT: 1.66 min Scan# 115

Delta R.T. -0.01 min

Lab File: VD048321.D

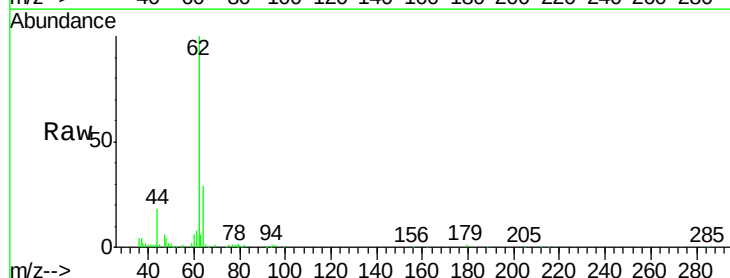
Acq: 6 Jan 2016 14:53

Tgt Ion: 62 Resp: 26451

Ion Ratio Lower Upper

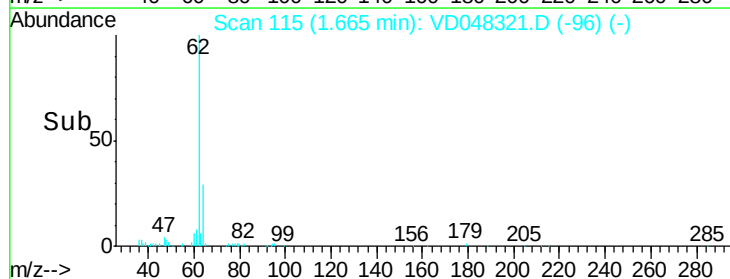
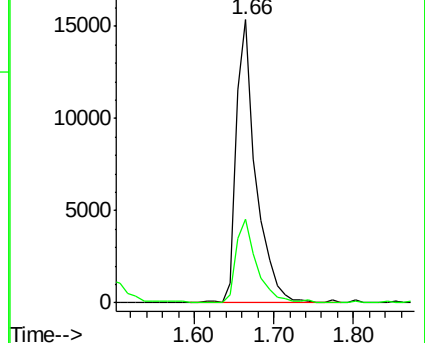
62 100

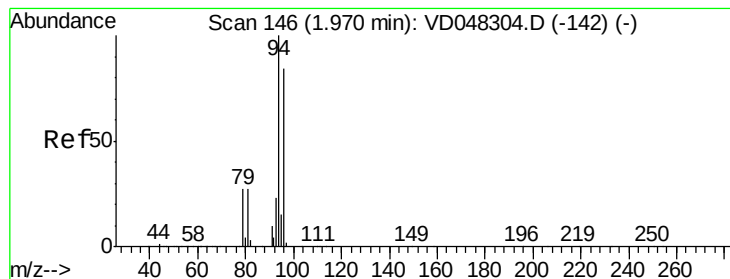
64 29.4 27.5 41.3



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 16.01 ug/l

RT: 1.94 min Scan# 143

Delta R.T. -0.03 min

Lab File: VD048321.D

Acq: 6 Jan 2016 14:53

Instrument :

BNA_F

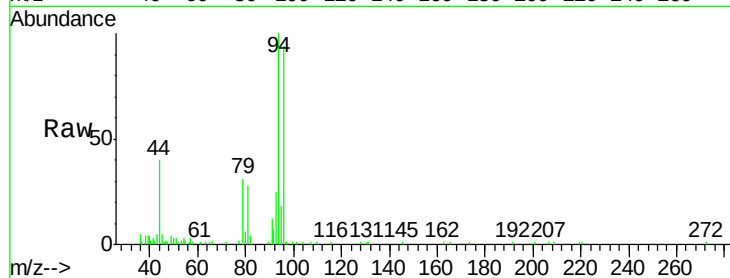
ClientSampleId :

Tot Ion: 94 Resp: 15631

Ion Ratio Lower Upper

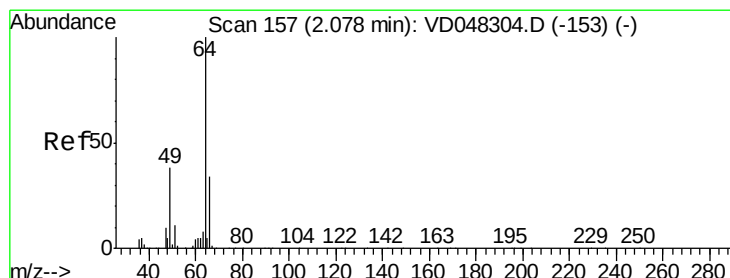
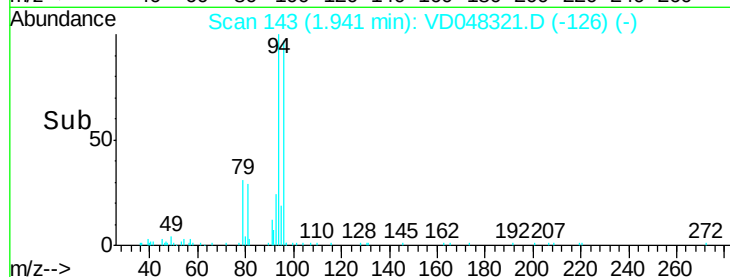
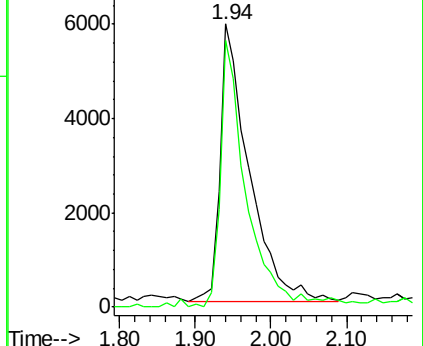
94 100

96 94.3 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: 16.66 ug/l

RT: 2.06 min Scan# 155

Delta R.T. -0.02 min

Lab File: VD048321.D

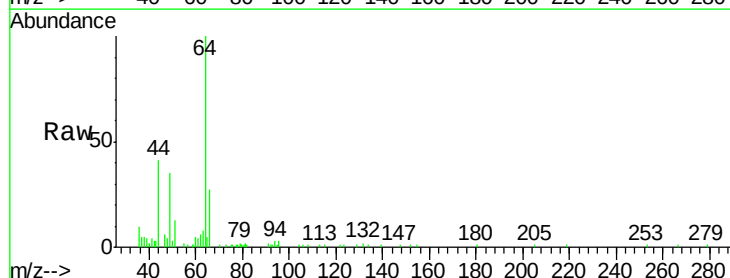
Acq: 6 Jan 2016 14:53

Tgt Ion: 64 Resp: 14234

Ion Ratio Lower Upper

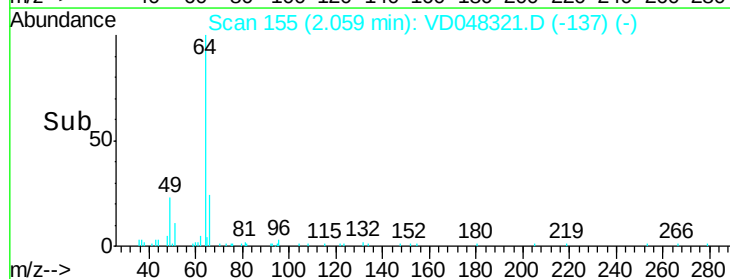
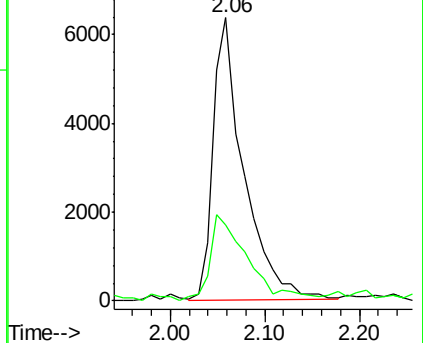
64 100

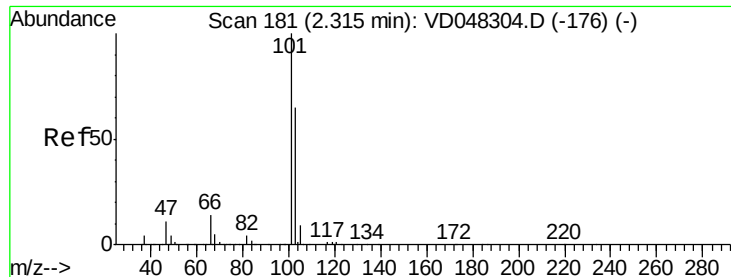
66 26.8 27.0 40.4#



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



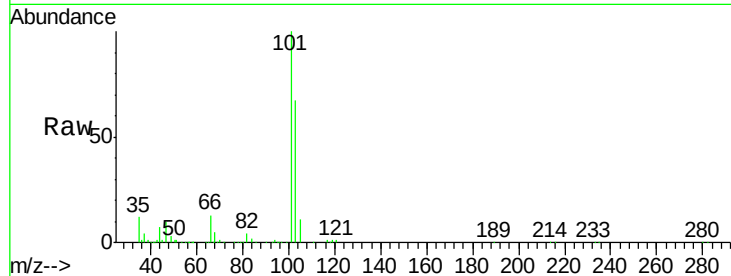


#7

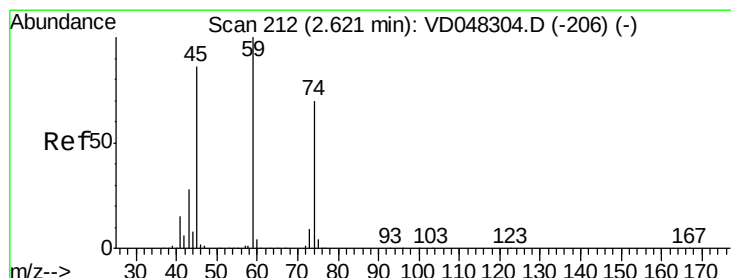
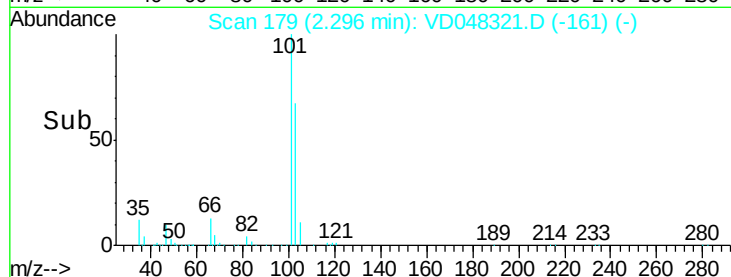
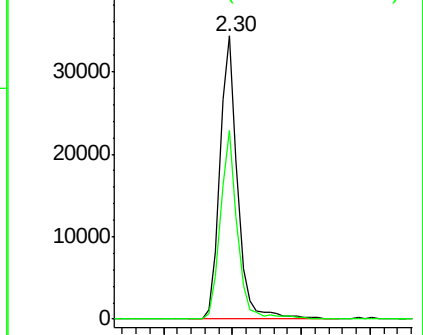
Trichlorofluoromethane
Concen: 18.44 ug/l
RT: 2.30 min Scan# 179
Delta R.T. -0.02 min
Lab File: VD048321.D
Acq: 6 Jan 2016 14:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:101 Resp: 61025
Ion Ratio Lower Upper
101 100
103 66.5 49.4 74.0



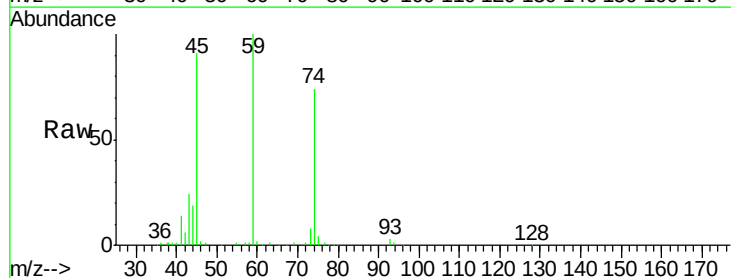
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



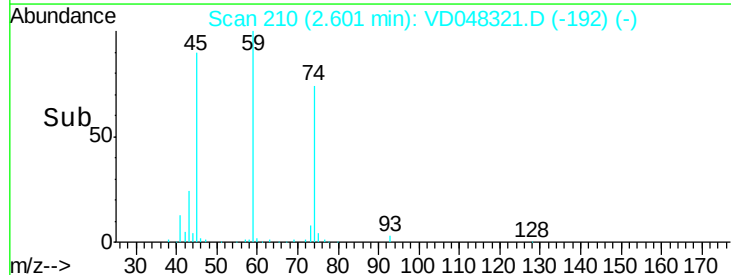
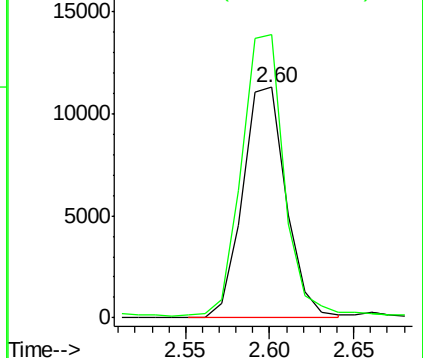
#8

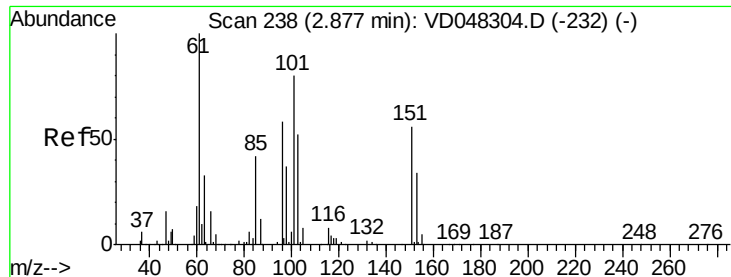
Diethyl Ether
Concen: 21.03 ug/l
RT: 2.60 min Scan# 210
Delta R.T. -0.02 min
Lab File: VD048321.D
Acq: 6 Jan 2016 14:53

Tgt Ion: 74 Resp: 20295
Ion Ratio Lower Upper
74 100
45 122.6 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: 18.70 ug/l

RT: 2.86 min Scan# 236

Delta R.T. -0.02 min

Lab File: VD048321.D

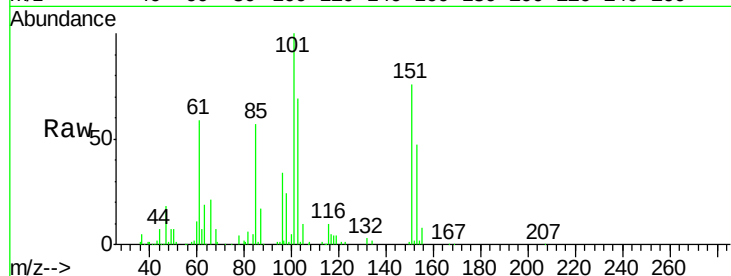
Acq: 6 Jan 2016 14:53

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	101	Resp:	41102
Ion	Ratio	Lower	Upper
101	100		
85	56.6	41.0	61.4
151	75.8	58.0	87.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V

2.86

15000

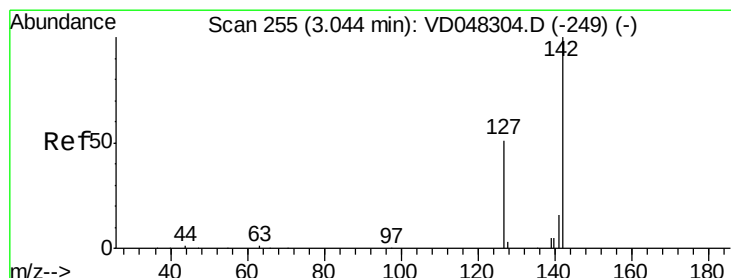
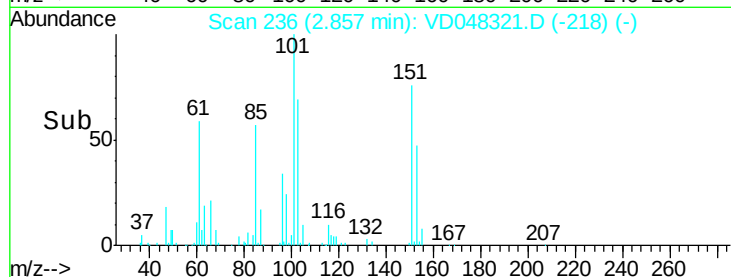
10000

5000

0

Time-->

2.70 2.80 2.90 3.00



#10

Methyl Iodide

Concen: 16.68 ug/l

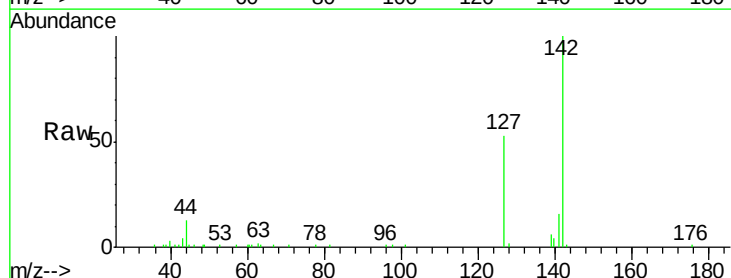
RT: 3.02 min Scan# 252

Delta R.T. -0.03 min

Lab File: VD048321.D

Acq: 6 Jan 2016 14:53

Tgt Ion:	142	Resp:	24915
Ion	Ratio	Lower	Upper
142	100		
127	52.6	40.6	61.0
141	15.9	11.1	16.7



Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

3.02

10000

8000

6000

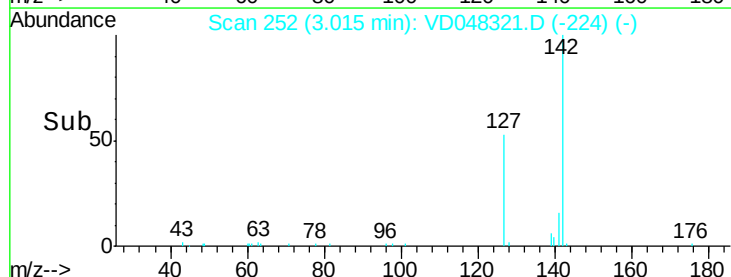
4000

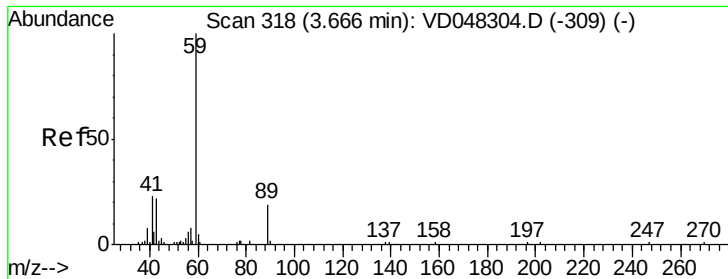
2000

0

Time-->

2.90 3.00 3.10



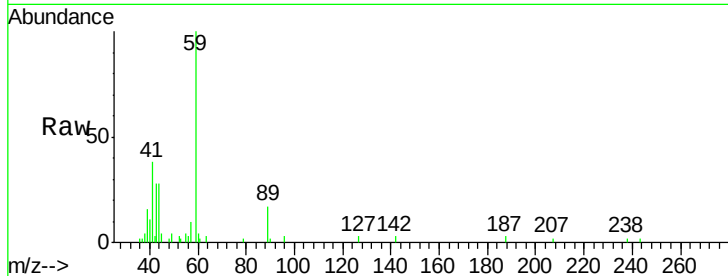


#11

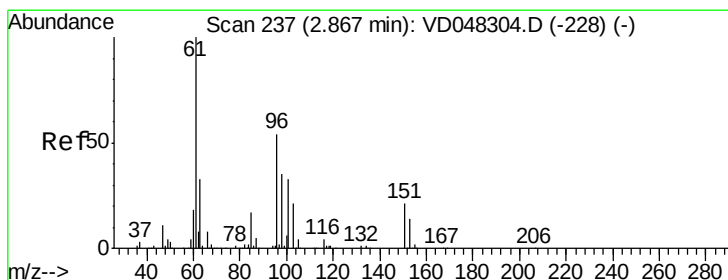
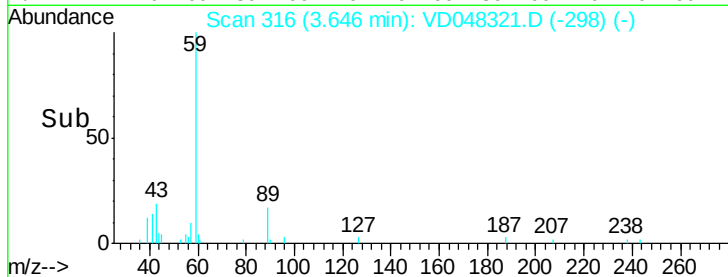
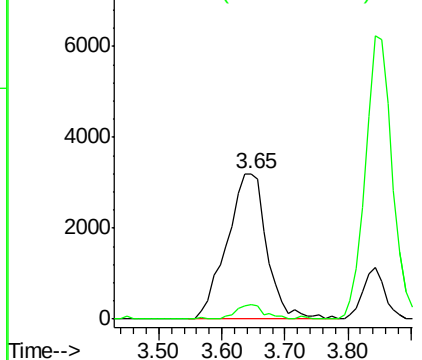
Tert butyl alcohol
Concen: 114.59 ug/l
RT: 3.65 min Scan# 316
Delta R.T. -0.02 min
Lab File: VD048321.D
Acq: 6 Jan 2016 14:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 59 Resp: 14021
Ion Ratio Lower Upper
59 100
57 10.1 7.9 11.9



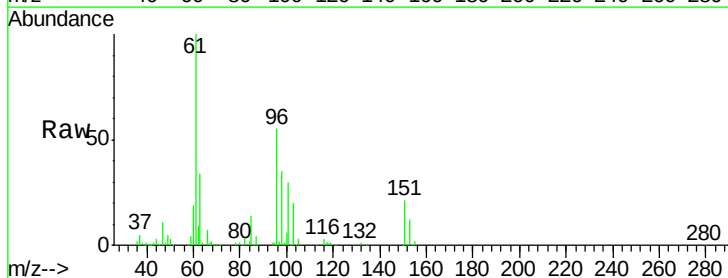
Abundance Ion 58.95 (58.65 to 59.65): VDC
Ion 56.95 (56.65 to 57.65): VDC



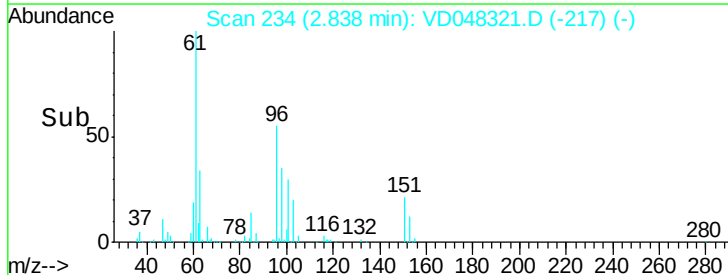
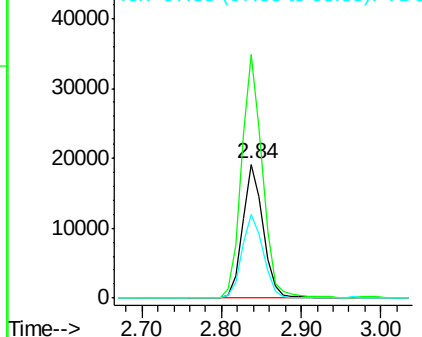
#12

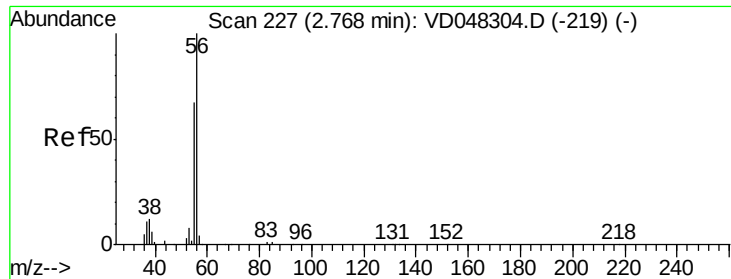
1,1-Dichloroethene
Concen: 18.04 ug/l
RT: 2.84 min Scan# 234
Delta R.T. -0.03 min
Lab File: VD048321.D
Acq: 6 Jan 2016 14:53

Tgt Ion: 96 Resp: 34050
Ion Ratio Lower Upper
96 100
61 181.9 150.1 225.1
98 62.8 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: 106.23 ug/l

RT: 2.75 min Scan# 225

Delta R.T. -0.02 min

Lab File: VD048321.D

Acq: 6 Jan 2016 14:53

Instrument :

BNA_F

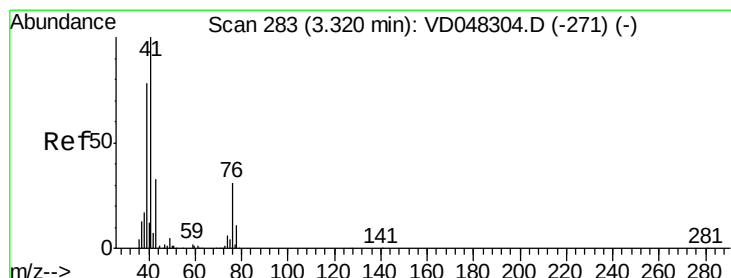
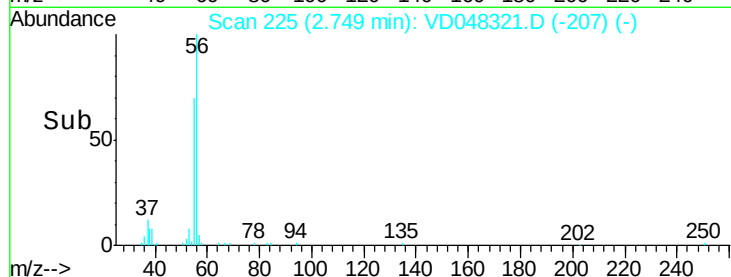
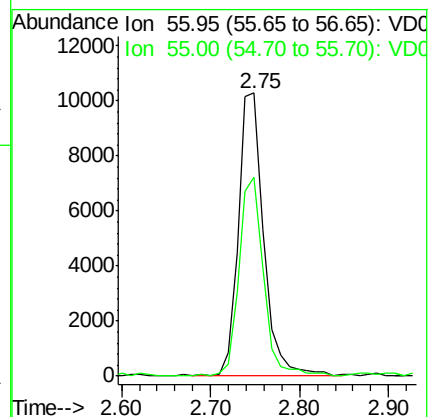
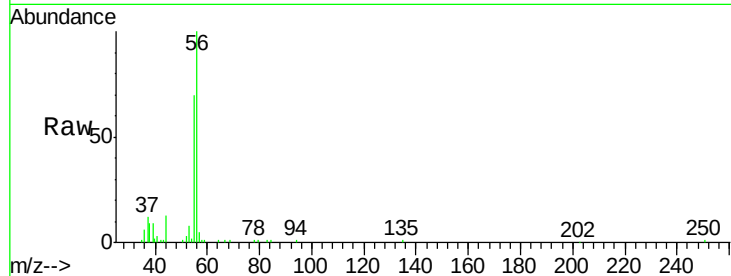
ClientSampleId :

Tot Ion: 56 Resp: 20621

Ion Ratio Lower Upper

56 100

55 70.3 52.2 78.4



#14

Allyl chloride

Concen: 18.67 ug/l

RT: 3.29 min Scan# 280

Delta R.T. -0.03 min

Lab File: VD048321.D

Acq: 6 Jan 2016 14:53

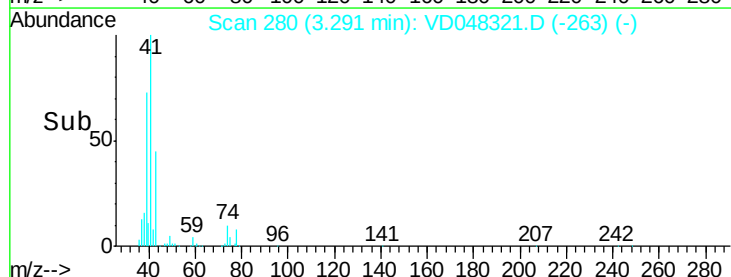
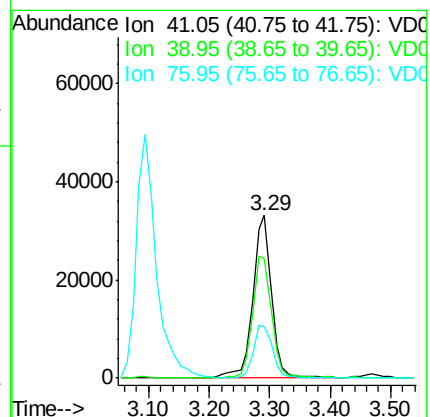
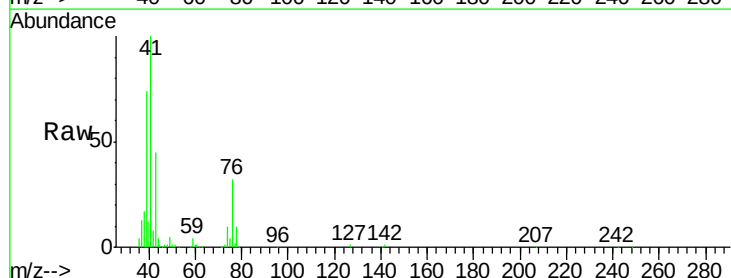
Tgt Ion: 41 Resp: 71867

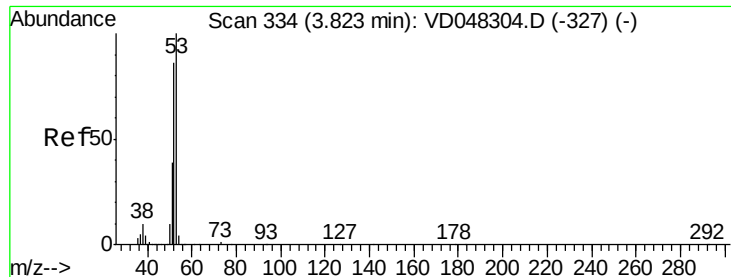
Ion Ratio Lower Upper

41 100

39 73.8 62.5 93.7

76 31.8 27.3 40.9





#15

Acrylonitrile

Concen: 116.90 ug/l

RT: 3.79 min Scan# 331

Delta R.T. -0.03 min

Lab File: VD048321.D

Acq: 6 Jan 2016 14:53

Instrument :

BNA_F

ClientSampled :

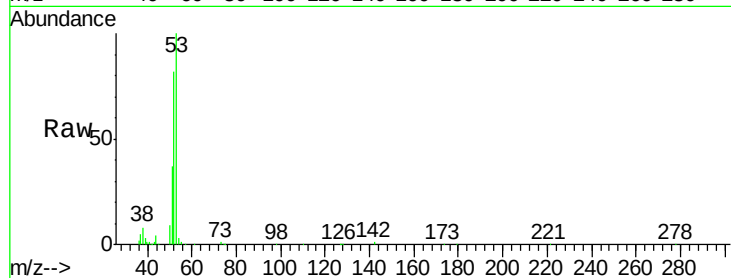
Tot Ion: 53 Resp: 46516

Ion Ratio Lower Upper

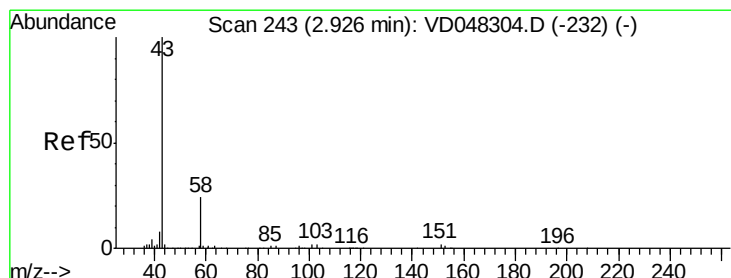
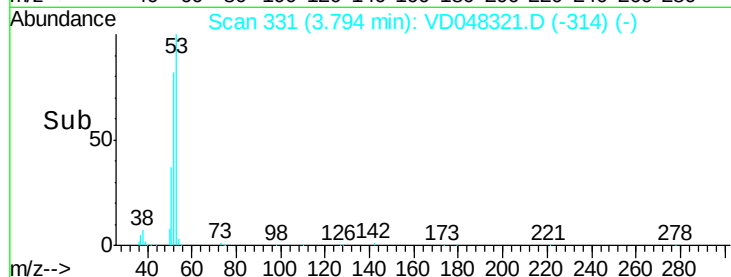
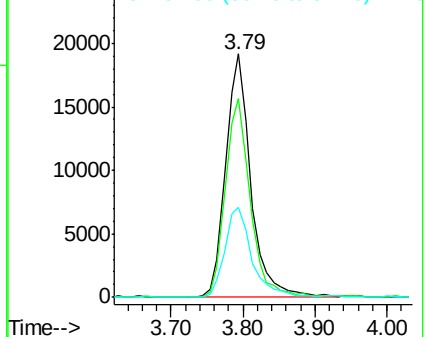
53 100

52 81.5 65.7 98.5

51 36.8 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: 94.64 ug/l

RT: 2.91 min Scan# 241

Delta R.T. -0.02 min

Lab File: VD048321.D

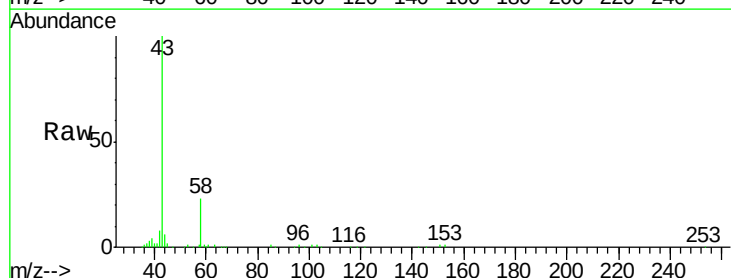
Acq: 6 Jan 2016 14:53

Tgt Ion: 43 Resp: 50975

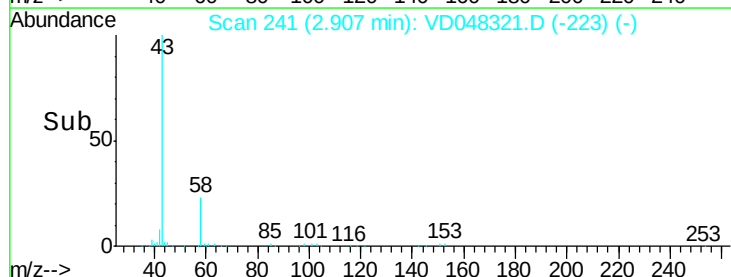
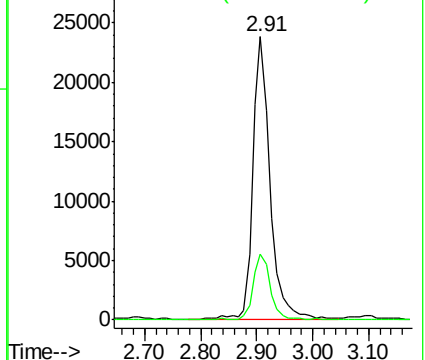
Ion Ratio Lower Upper

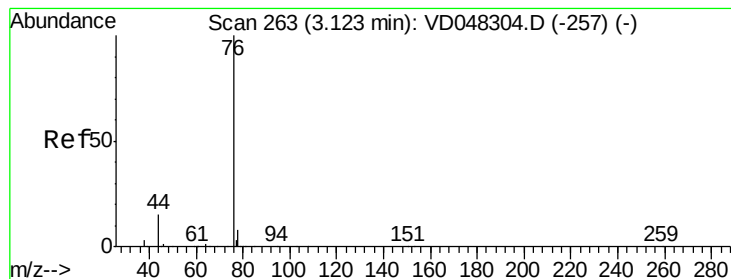
43 100

58 23.3 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: 17.32 ug/l

RT: 3.09 min Scan# 260

Delta R.T. -0.03 min

Lab File: VD048321.D

Acq: 6 Jan 2016 14:53

Instrument :

BNA_F

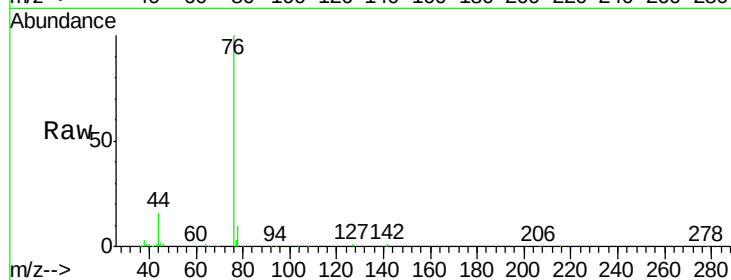
ClientSampleId :

Tot Ion: 76 Resp: 115032

Ion Ratio Lower Upper

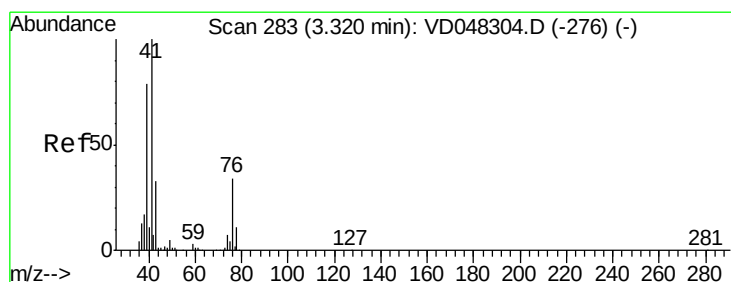
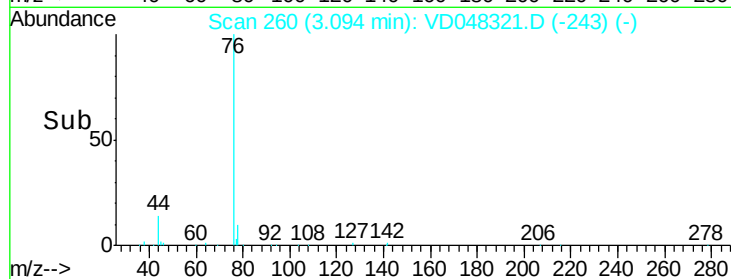
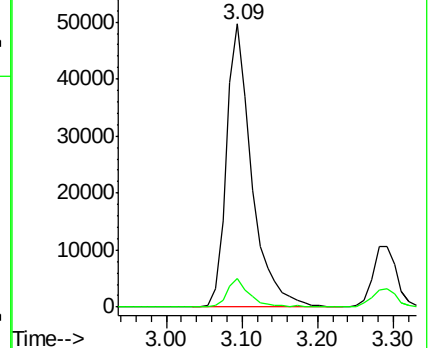
76 100

78 10.0 7.1 10.7



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 23.85 ug/l

RT: 3.29 min Scan# 280

Delta R.T. -0.03 min

Lab File: VD048321.D

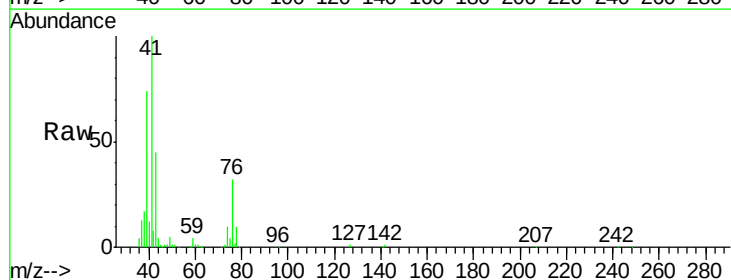
Acq: 6 Jan 2016 14:53

Tgt Ion: 43 Resp: 31694

Ion Ratio Lower Upper

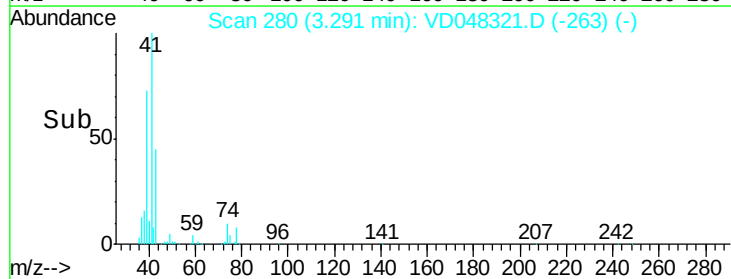
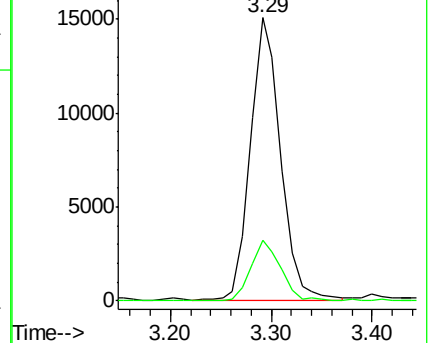
43 100

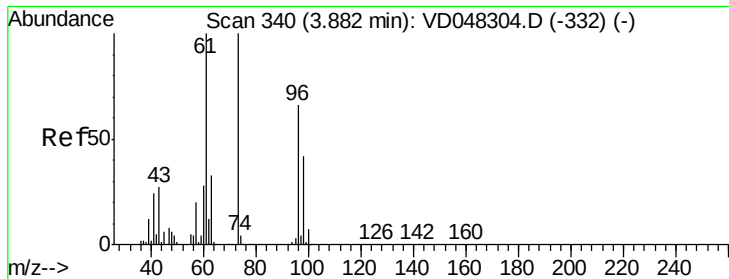
74 21.6 15.2 22.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

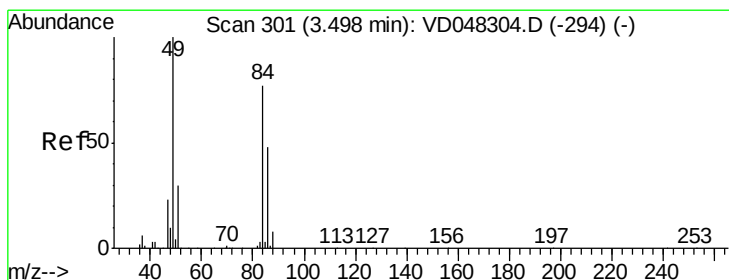
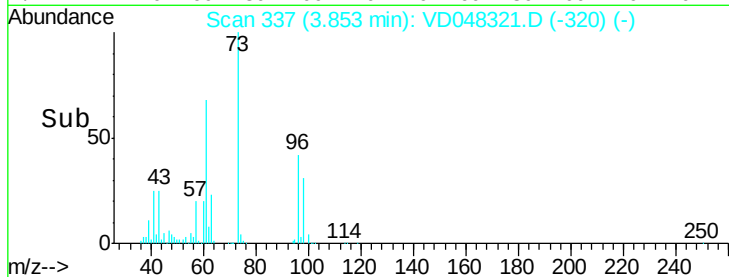
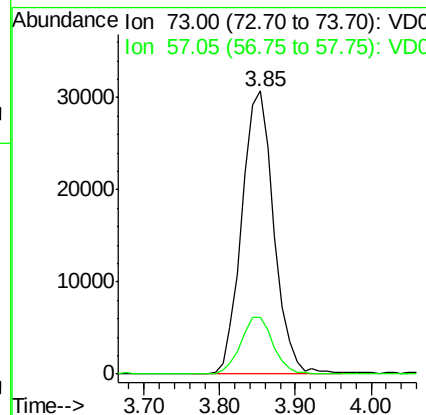
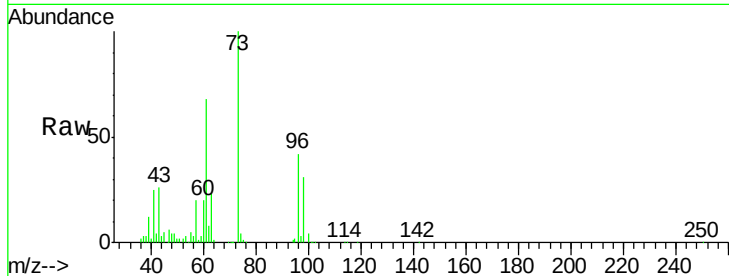




#19
Methyl tert-butyl Ether
Concen: 22.20 ug/l
RT: 3.85 min Scan# 337
Delta R.T. -0.03 min
Lab File: VD048321.D
Acq: 6 Jan 2016 14:53

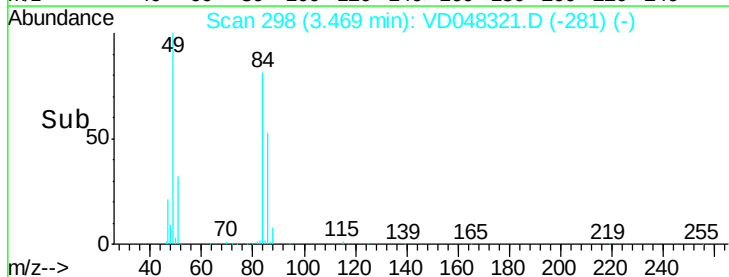
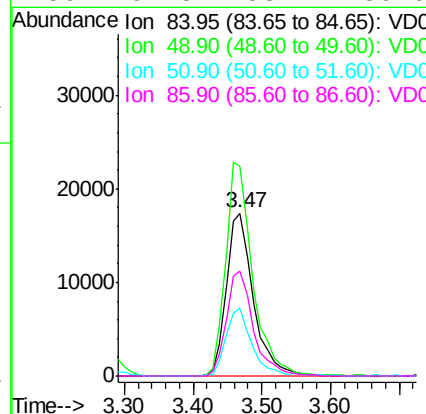
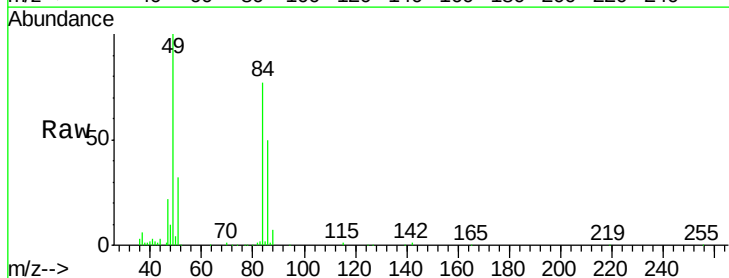
Instrument :
BNA_F
ClientSampleId :

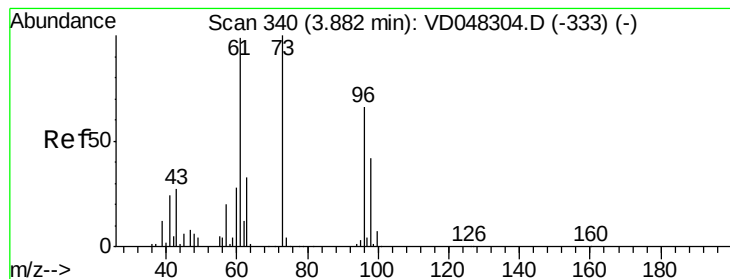
Tot Ion: 73 Resp: 90306
Ion Ratio Lower Upper
73 100
57 20.0 15.1 22.7



#20
Methylene Chloride
Concen: 18.80 ug/l
RT: 3.47 min Scan# 298
Delta R.T. -0.03 min
Lab File: VD048321.D
Acq: 6 Jan 2016 14:53

Tgt Ion: 84 Resp: 47061
Ion Ratio Lower Upper
84 100
49 129.2 106.5 159.7
51 41.6 33.2 49.8
86 64.8 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 18.78 ug/l

RT: 3.84 min Scan# 336

Delta R.T. -0.04 min

Lab File: VD048321.D

Acq: 6 Jan 2016 14:53

Instrument :

BNA_F

ClientSampleId :

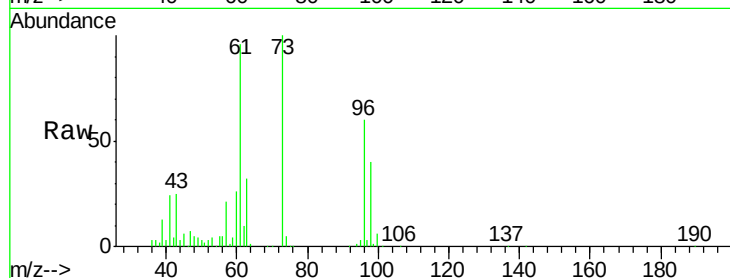
Tot Ion: 96 Resp: 39194

Ion Ratio Lower Upper

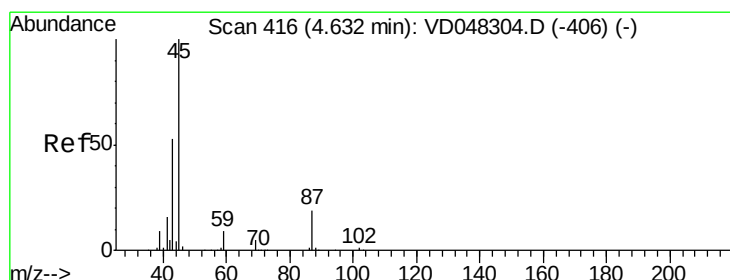
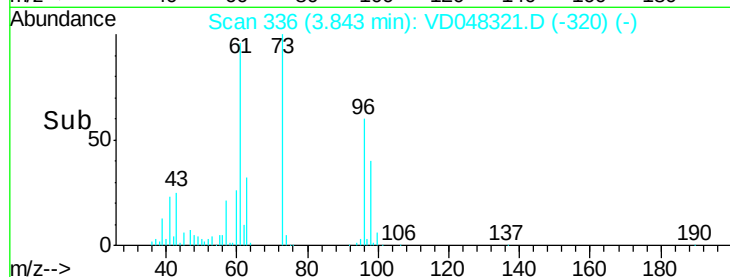
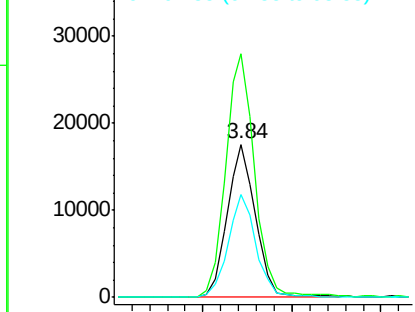
96 100

61 159.0 129.7 194.5

98 67.1 49.1 73.7



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



#22

Diisopropyl ether

Concen: 19.55 ug/l

RT: 4.60 min Scan# 413

Delta R.T. -0.03 min

Lab File: VD048321.D

Acq: 6 Jan 2016 14:53

Tgt Ion: 45 Resp: 142074

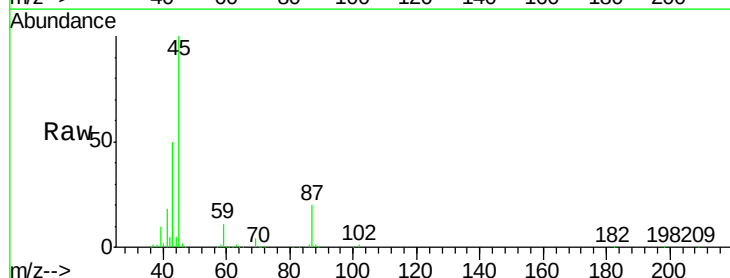
Ion Ratio Lower Upper

45 100

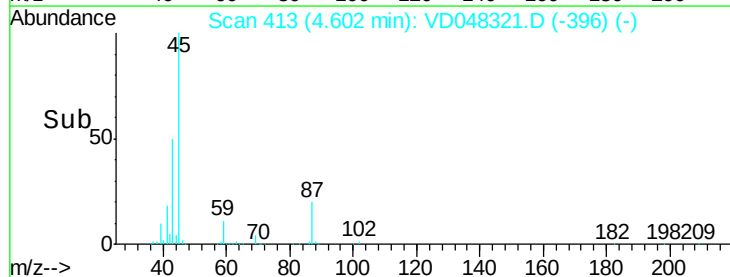
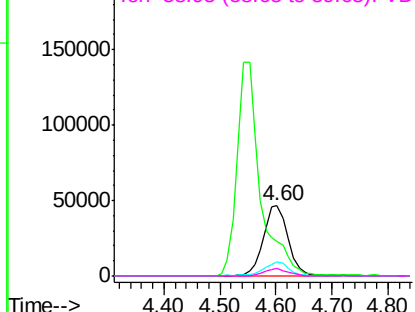
43 49.6 40.0 60.0

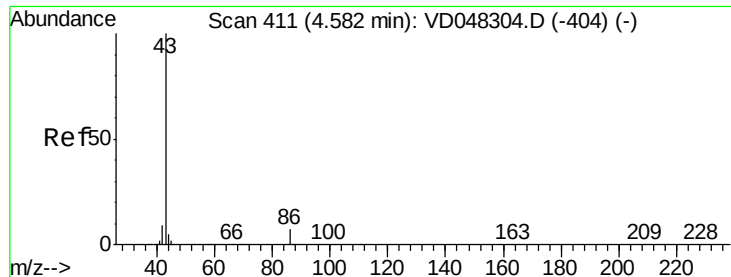
87 20.5 15.8 23.8

59 10.7 8.0 12.0



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 114.94 ug/l

RT: 4.55 min Scan# 408

Delta R.T. -0.03 min

Lab File: VD048321.D

Acq: 6 Jan 2016 14:53

Instrument :

BNA_F

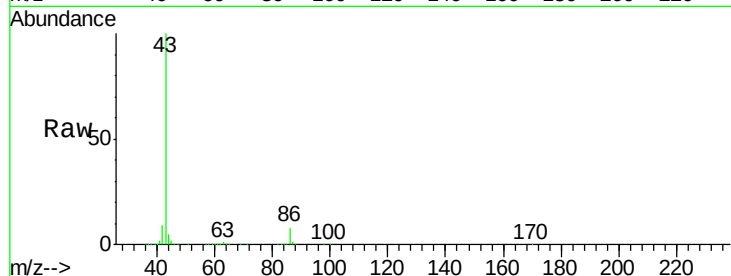
ClientSampleId :

Tot Ion: 43 Resp: 412238

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

4.55

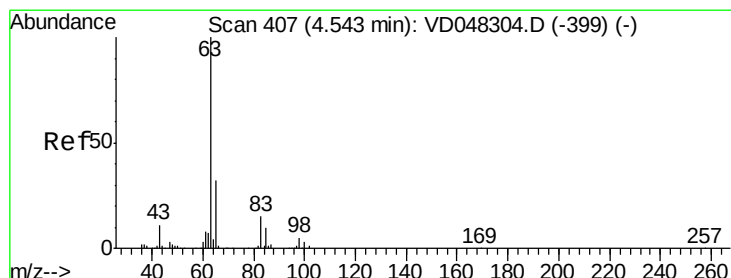
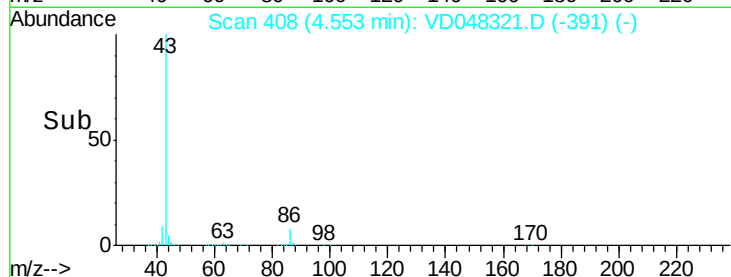
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.69 ug/l

RT: 4.51 min Scan# 404

Delta R.T. -0.03 min

Lab File: VD048321.D

Acq: 6 Jan 2016 14:53

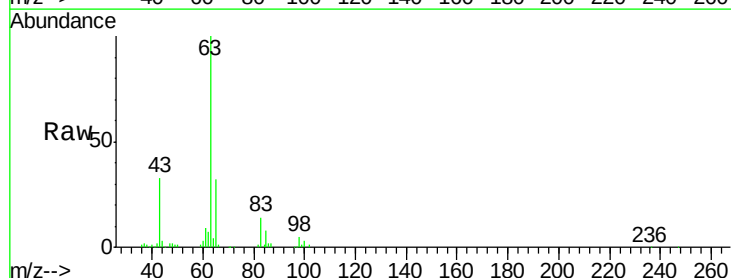
Tgt Ion: 63 Resp: 83289

Ion Ratio Lower Upper

63 100

98 5.4 2.5 7.5

100 3.4 1.6 4.7



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

4.51

40000

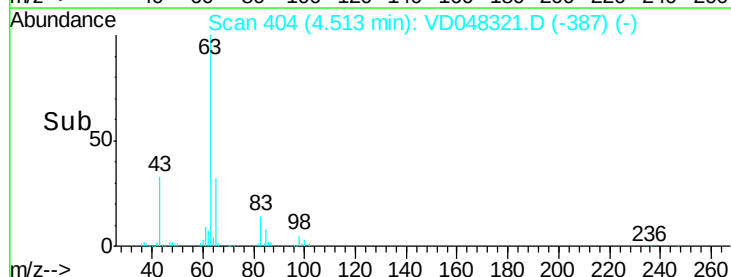
30000

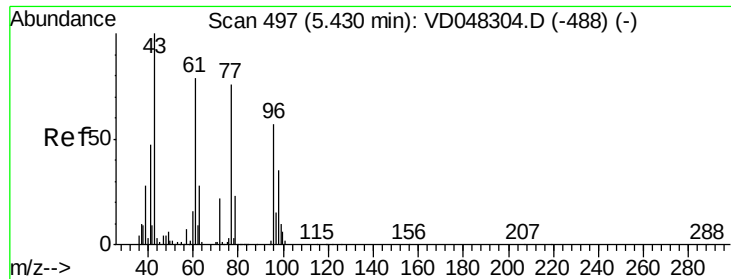
20000

10000

0

Time-->





#25

2-Butanone

Concen: 119.36 ug/l

RT: 5.40 min Scan# 494

Delta R.T. -0.03 min

Lab File: VD048321.D

Acq: 6 Jan 2016 14:53

Instrument :

BNA_F

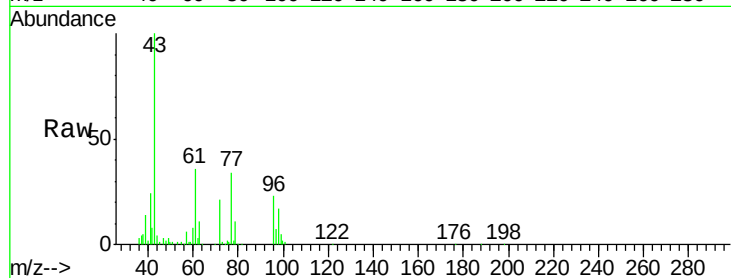
ClientSampleId :

Tot Ion: 43 Resp: 69094

Ion Ratio Lower Upper

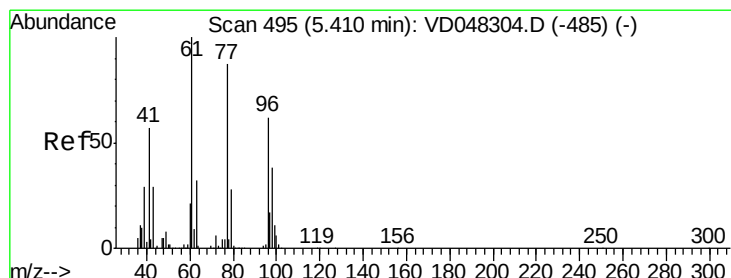
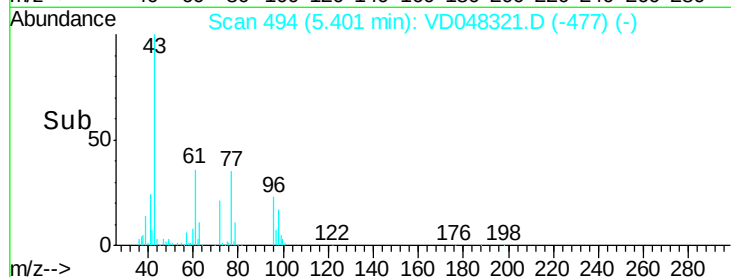
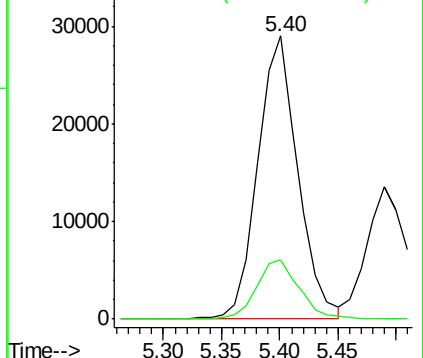
43 100

72 20.8 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: 18.37 ug/l

RT: 5.38 min Scan# 492

Delta R.T. -0.03 min

Lab File: VD048321.D

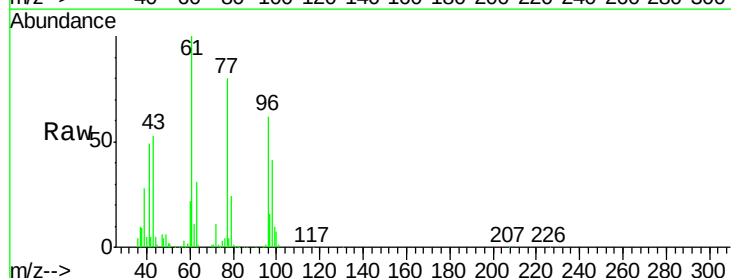
Acq: 6 Jan 2016 14:53

Tgt Ion: 77 Resp: 72326

Ion Ratio Lower Upper

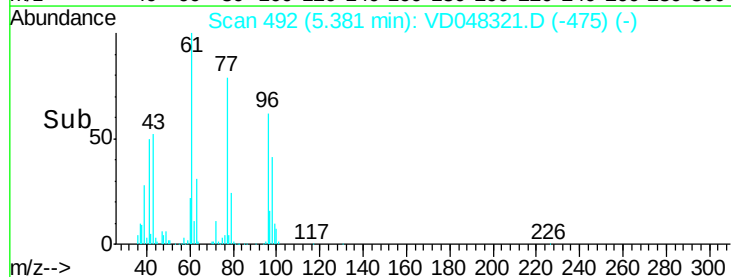
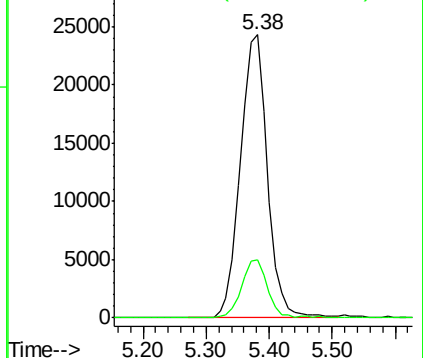
77 100

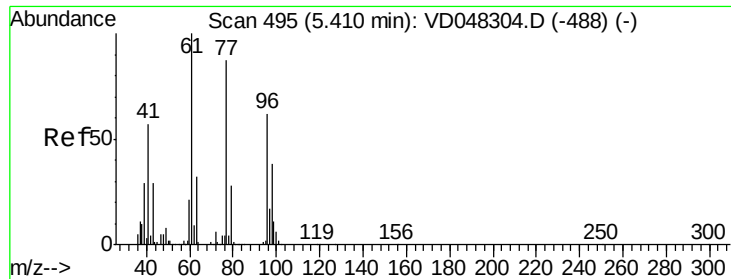
97 20.5 10.5 31.6



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: 19.14 ug/l

RT: 5.38 min Scan# 492

Delta R.T. -0.03 min

Lab File: VD048321.D

Acq: 6 Jan 2016 14:53

Instrument :

BNA_F

ClientSampleId :

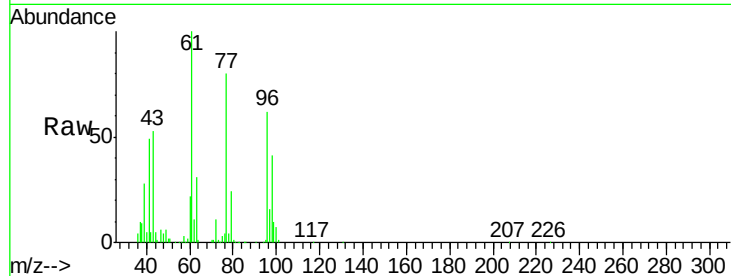
Tot Ion: 96 Resp: 46544

Ion Ratio Lower Upper

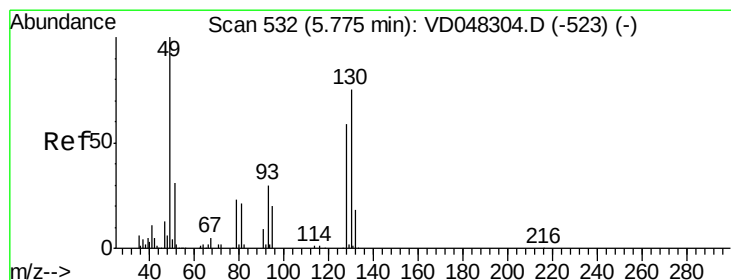
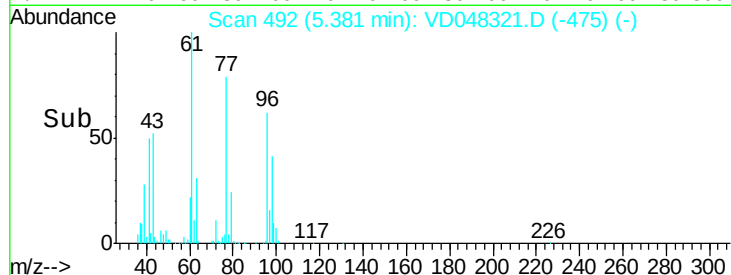
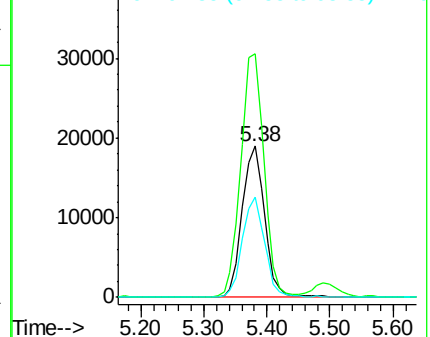
96 100

61 161.3 0.0 332.6

98 66.7 0.0 130.8



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



#28

Bromochloromethane

Concen: 17.81 ug/l

RT: 5.74 min Scan# 528

Delta R.T. -0.04 min

Lab File: VD048321.D

Acq: 6 Jan 2016 14:53

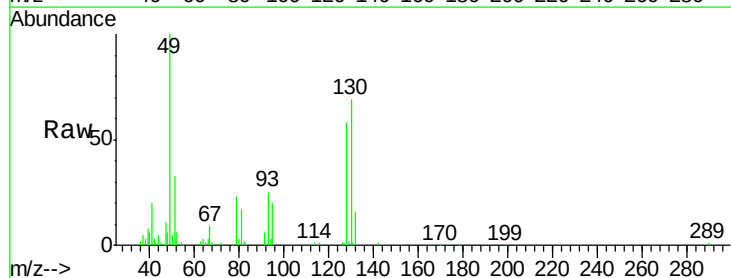
Tgt Ion: 49 Resp: 31380

Ion Ratio Lower Upper

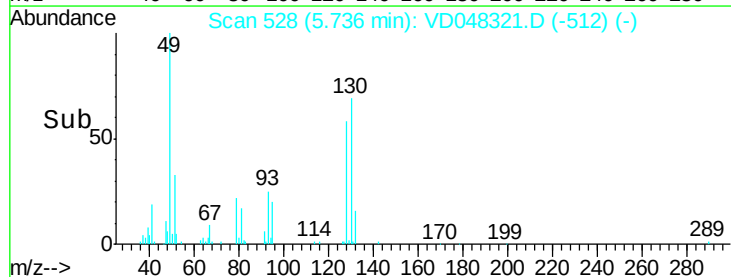
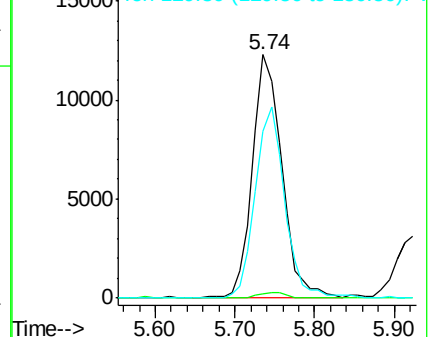
49 100

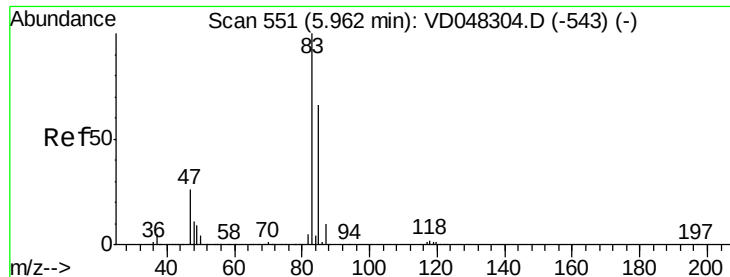
129 1.7 0.0 4.2

130 68.8 62.3 93.5



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

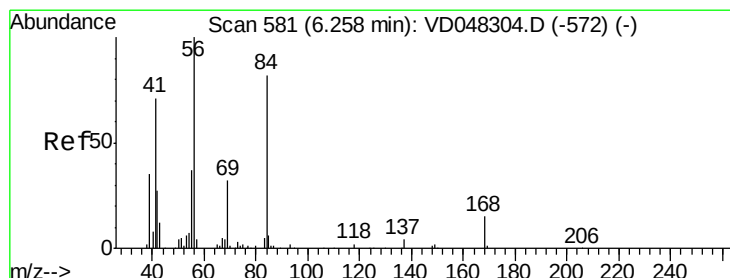
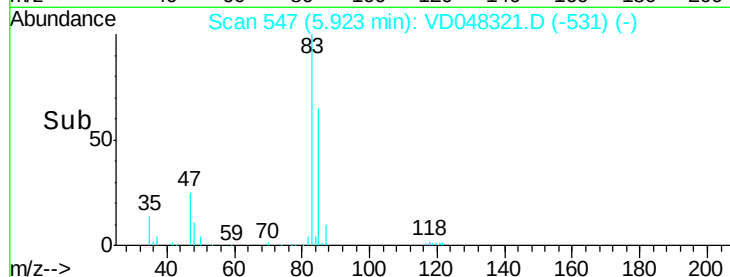
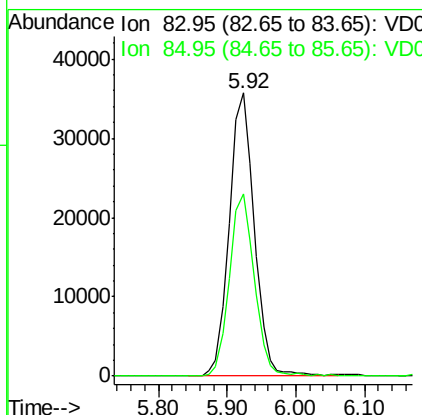
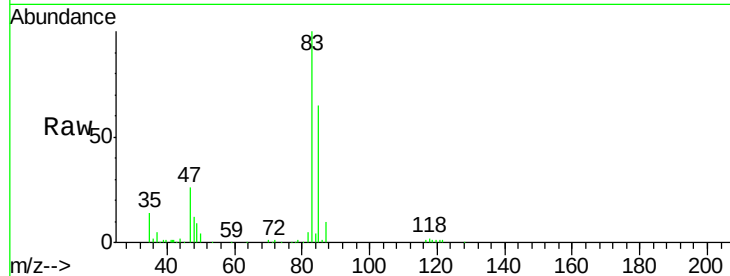




#29
Chloroform
Concen: 19.40 ug/l
RT: 5.92 min Scan# 547
Delta R.T. -0.04 min
Lab File: VD048321.D
Acq: 6 Jan 2016 14:53

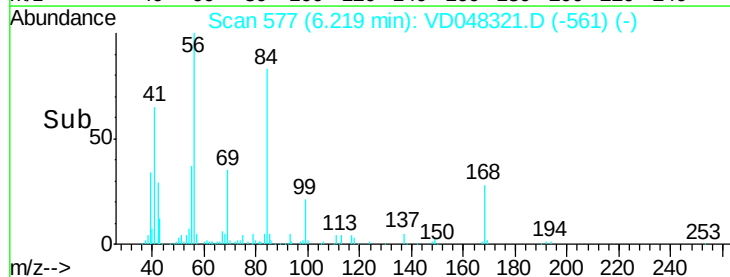
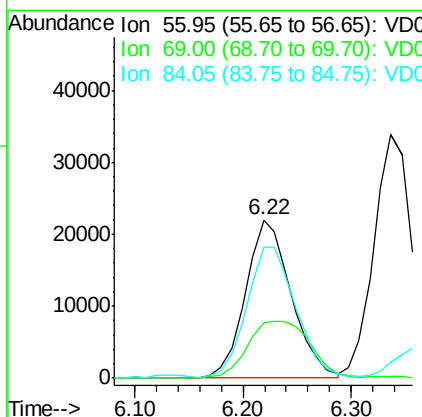
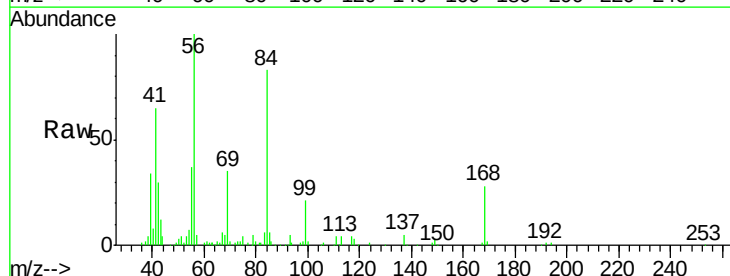
Instrument :
BNA_F
ClientSampleId :

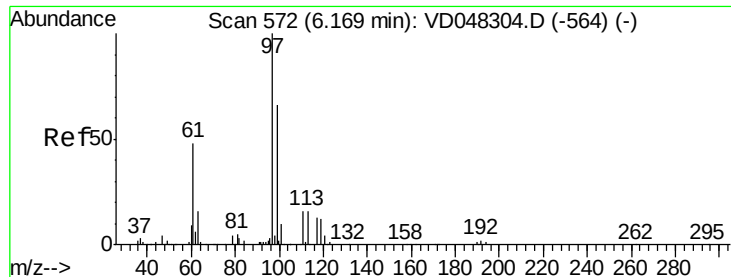
Tot Ion: 83 Resp: 90120
Ion Ratio Lower Upper
83 100
85 64.6 50.2 75.4



#30
Cyclohexane
Concen: 18.29 ug/l
RT: 6.22 min Scan# 577
Delta R.T. -0.04 min
Lab File: VD048321.D
Acq: 6 Jan 2016 14:53

Tgt Ion: 56 Resp: 64523
Ion Ratio Lower Upper
56 100
69 34.9 26.2 39.2
84 83.2 68.5 102.7





#31

1,1,1-Trichloroethane

Concen: 19.68 ug/l

RT: 6.13 min Scan# 568

Delta R.T. -0.04 min

Lab File: VD048321.D

Acq: 6 Jan 2016 14:53

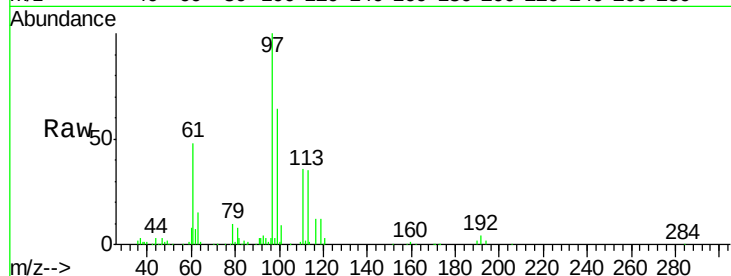
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 97 Resp: 71136

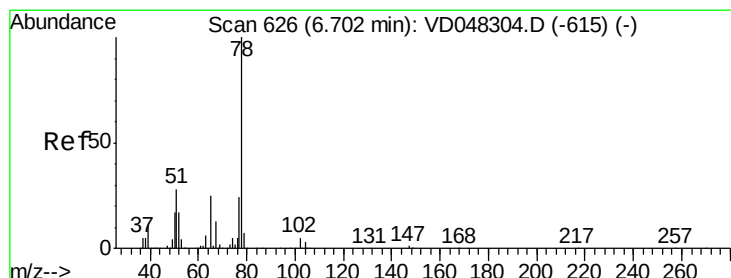
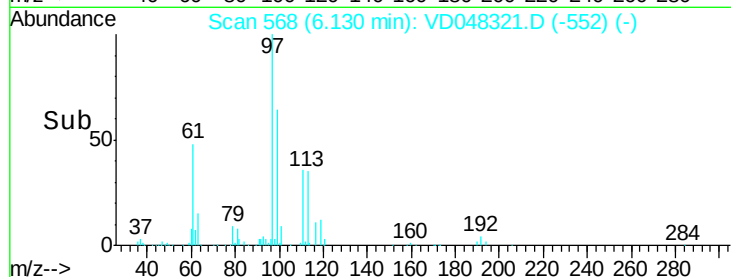
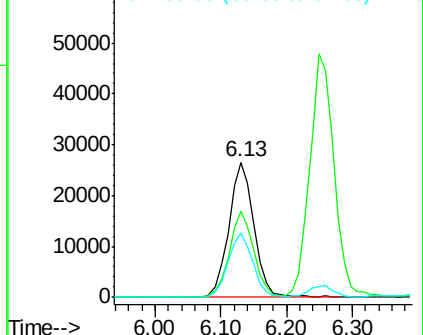
Ion	Ratio	Lower	Upper
97	100		
99	63.8	52.2	78.4
61	47.6	36.0	54.0



Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 98.85 (98.55 to 99.55): VDC

Ion 60.95 (60.65 to 61.65): VDC



#32

1,2-Dichloroethane-d4

Concen: 19.68 ug/l

RT: 6.66 min Scan# 622

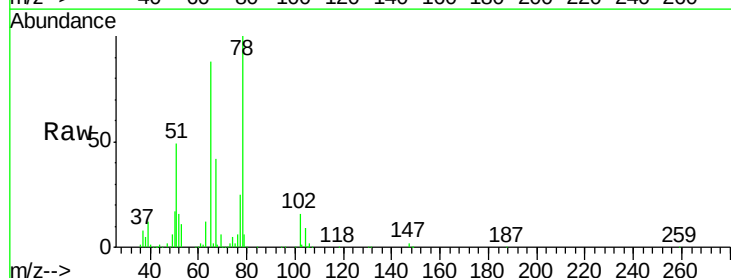
Delta R.T. -0.04 min

Lab File: VD048321.D

Acq: 6 Jan 2016 14:53

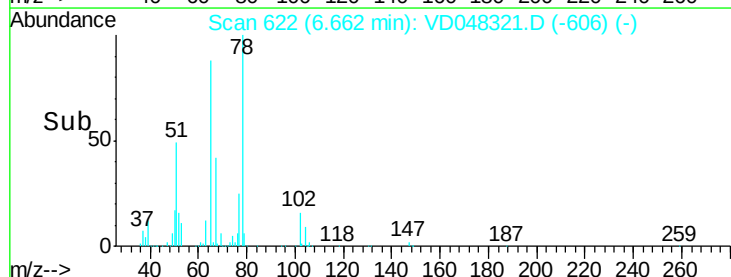
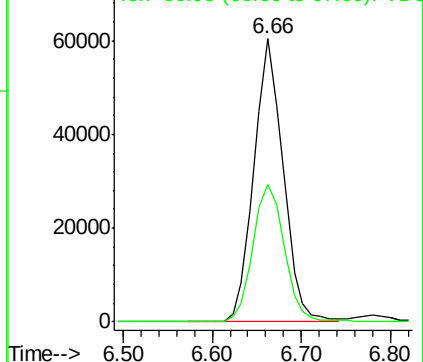
Tgt Ion: 65 Resp: 136850

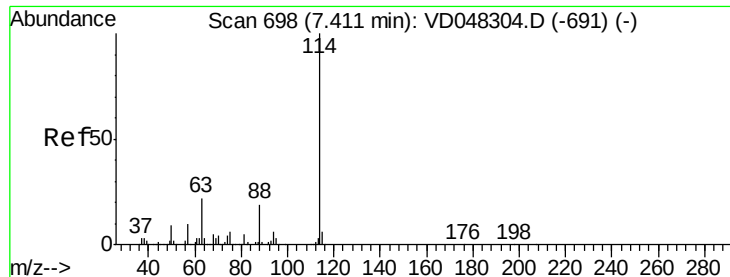
Ion	Ratio	Lower	Upper
65	100		
67	48.4	0.0	106.0



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC





#33

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 7.38 min Scan# 695

Delta R.T. -0.03 min

Lab File: VD048321.D

Acq: 6 Jan 2016 14:53

Instrument :

BNA_F

ClientSampleId :

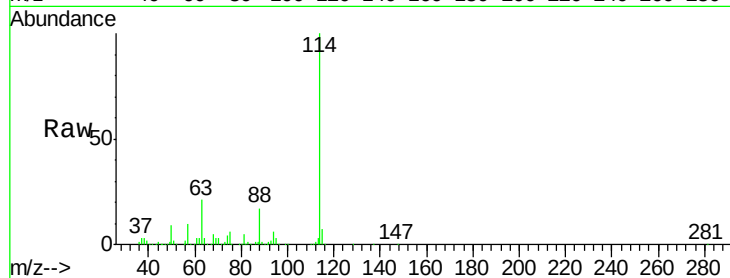
Tot Ion:114 Resp: 354903

Ion Ratio Lower Upper

114 100

63 20.7 0.0 39.4

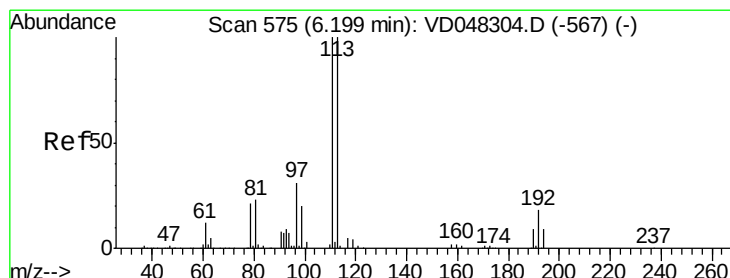
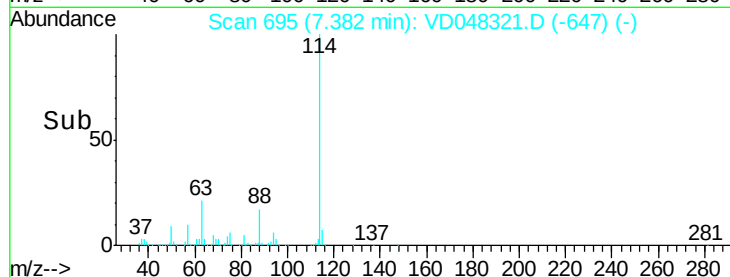
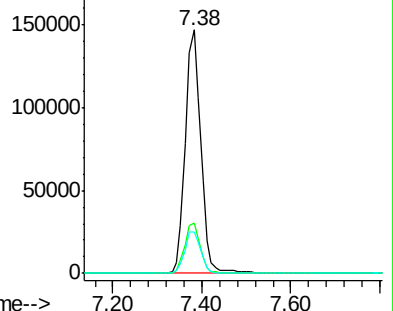
88 17.3 0.0 35.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V



#34

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 6.16 min Scan# 571

Delta R.T. -0.04 min

Lab File: VD048321.D

Acq: 6 Jan 2016 14:53

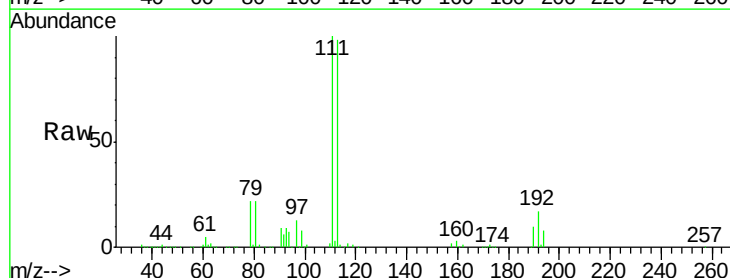
Tgt Ion:113 Resp: 131370

Ion Ratio Lower Upper

113 100

111 102.1 83.7 125.5

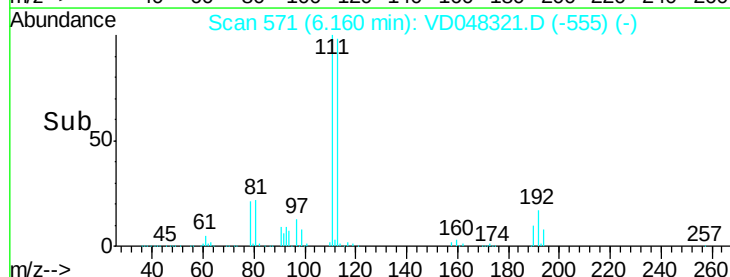
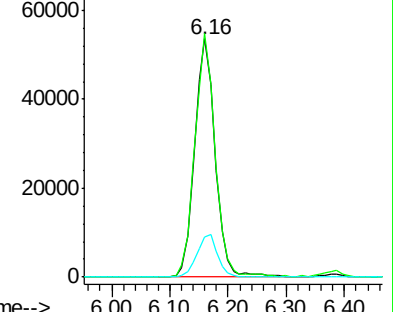
192 17.0 13.9 20.9

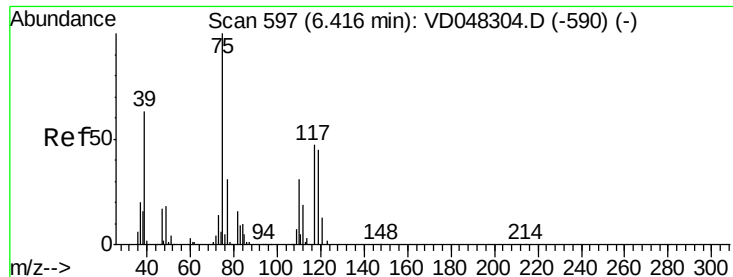


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

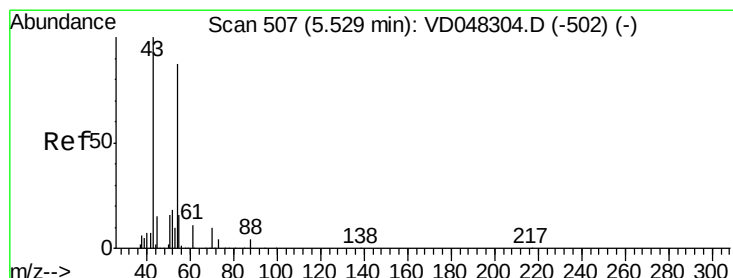
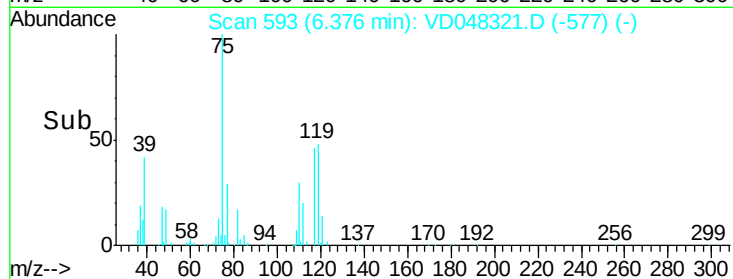
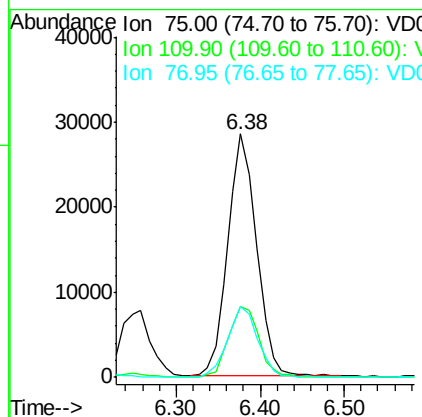
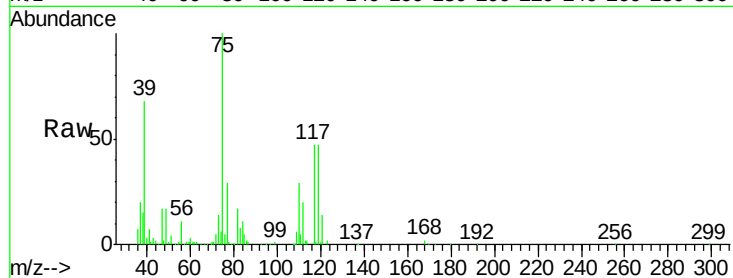




#35
 1,1-Dichloropropene
 Concen: 19.14 ug/l
 RT: 6.38 min Scan# 593
 Delta R.T. -0.04 min
 Lab File: VD048321.D
 Acq: 6 Jan 2016 14:53

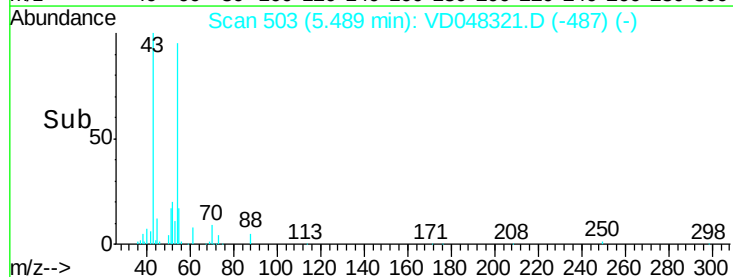
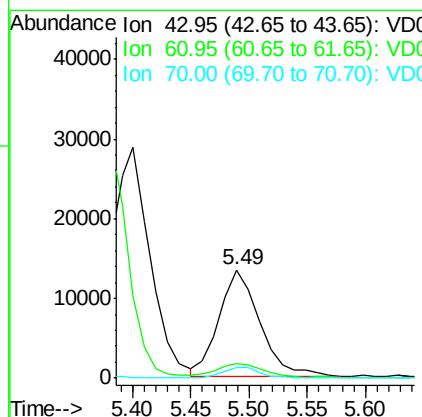
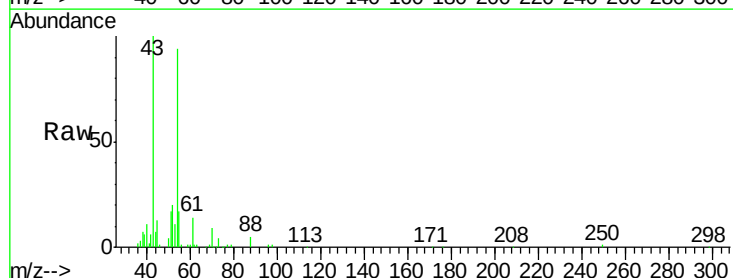
Instrument :
 BNA_F
 ClientSampleId :

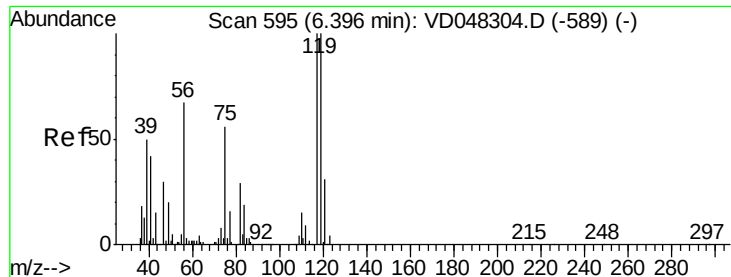
Tot Ion: 75 Resp: 67582
 Ion Ratio Lower Upper
 75 100
 110 28.8 15.6 46.8
 77 29.0 24.2 36.2



#36
 Ethyl Acetate
 Concen: 21.02 ug/l
 RT: 5.49 min Scan# 503
 Delta R.T. -0.04 min
 Lab File: VD048321.D
 Acq: 6 Jan 2016 14:53

Tgt Ion: 43 Resp: 32788
 Ion Ratio Lower Upper
 43 100
 61 13.6 10.2 15.2
 70 9.3 7.8 11.8





#37

Carbon Tetrachloride

Concen: 18.90 ug/l

RT: 6.36 min Scan# 591

Delta R.T. -0.04 min

Lab File: VD048321.D

Acq: 6 Jan 2016 14:53

Instrument :

BNA_F

ClientSampled :

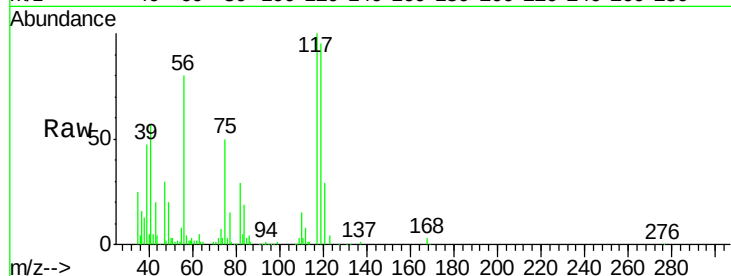
Tot Ion:117 Resp: 59445

Ion Ratio Lower Upper

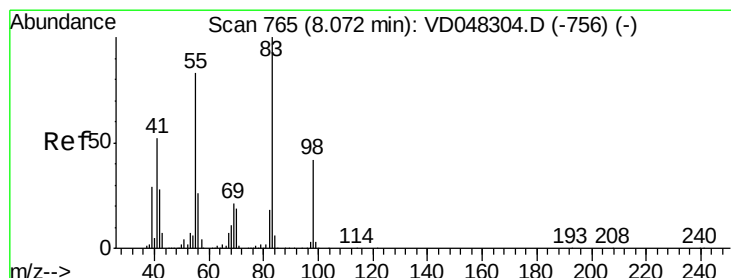
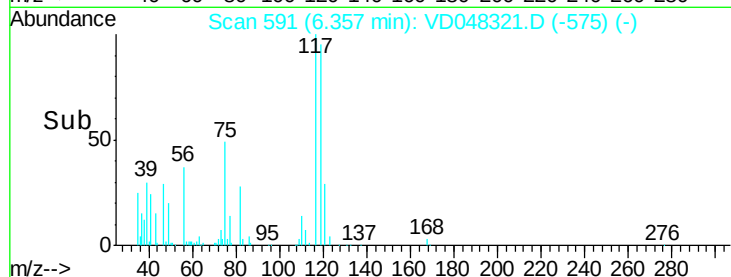
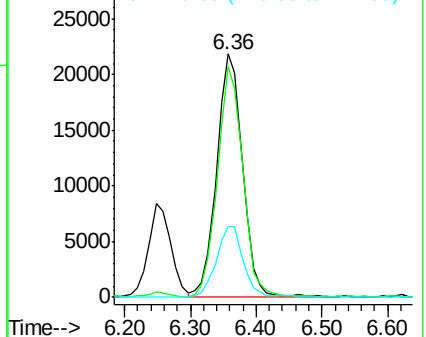
117 100

119 94.9 79.8 119.8

121 29.1 24.2 36.2



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V



#38

Methylcyclohexane

Concen: 18.29 ug/l

RT: 8.03 min Scan# 761

Delta R.T. -0.04 min

Lab File: VD048321.D

Acq: 6 Jan 2016 14:53

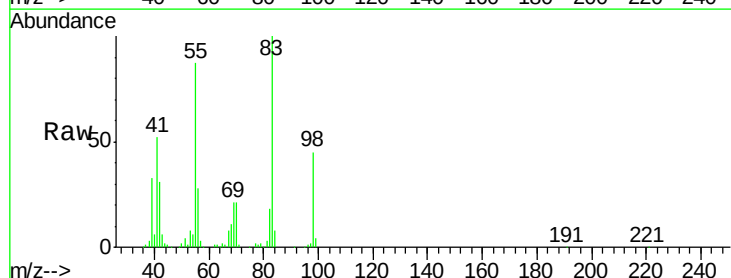
Tgt Ion: 83 Resp: 69507

Ion Ratio Lower Upper

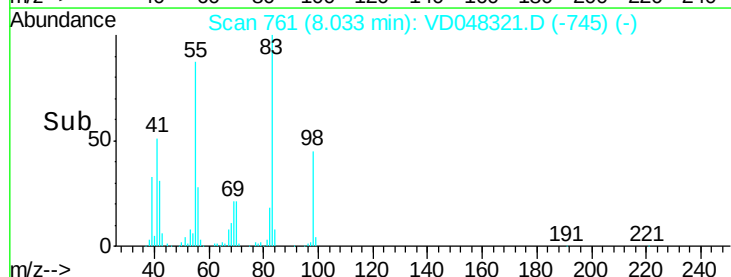
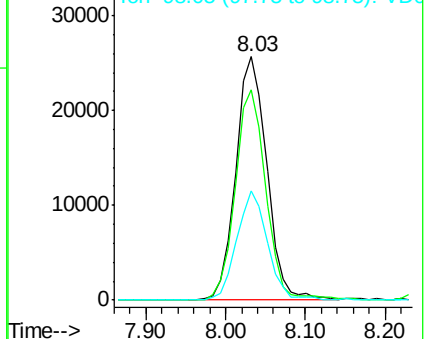
83 100

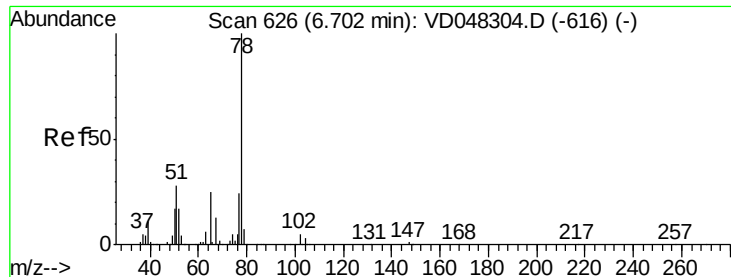
55 86.5 72.0 108.0

98 45.1 35.3 52.9



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





#39

Benzene

Concen: 19.42 ug/l

RT: 6.67 min Scan# 623

Delta R.T. -0.03 min

Lab File: VD048321.D

Acq: 6 Jan 2016 14:53

Instrument :

BNA_F

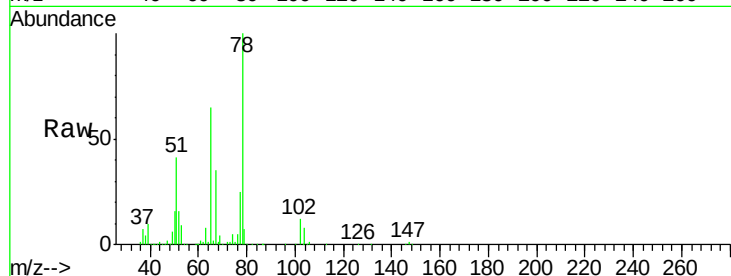
ClientSampleId :

Tot Ion: 78 Resp: 182863

Ion Ratio Lower Upper

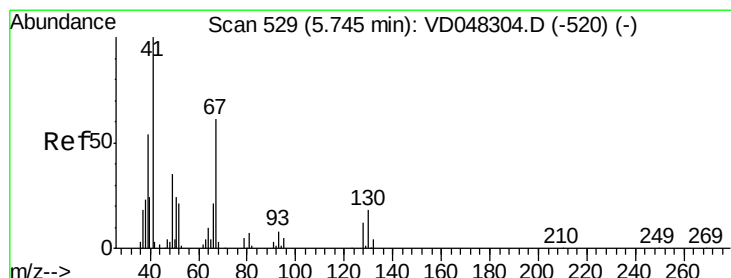
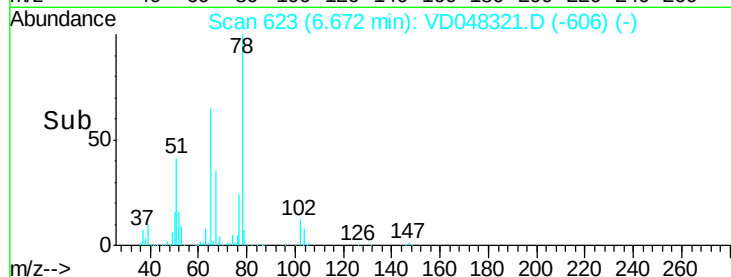
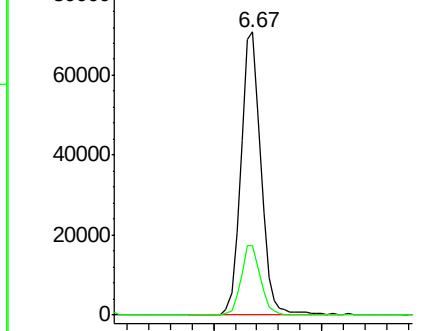
78 100

77 24.6 18.5 27.7



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC



#40

Methacrylonitrile

Concen: 23.89 ug/l

RT: 5.71 min Scan# 525

Delta R.T. -0.04 min

Lab File: VD048321.D

Acq: 6 Jan 2016 14:53

Tgt Ion: 41 Resp: 21849

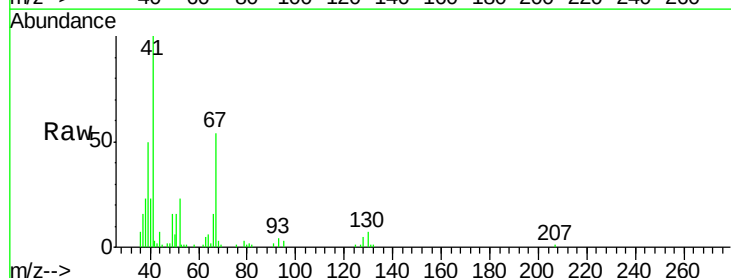
Ion Ratio Lower Upper

41 100

39 49.6 41.2 61.8

67 53.8 47.0 70.6

52 23.1 18.9 28.3

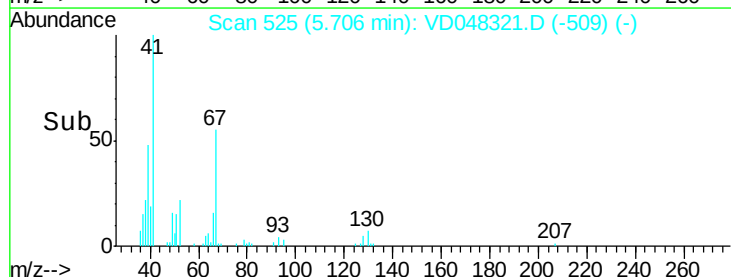
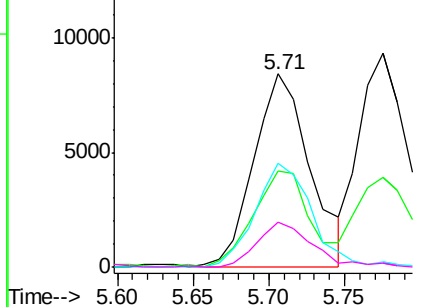


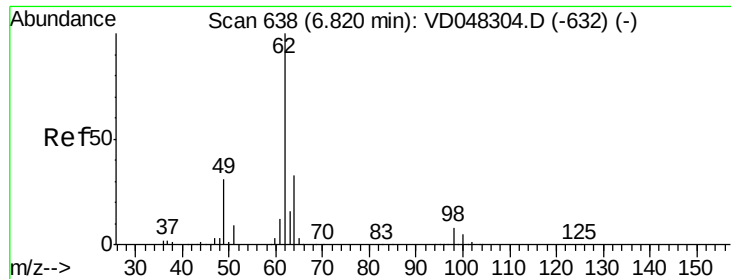
Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

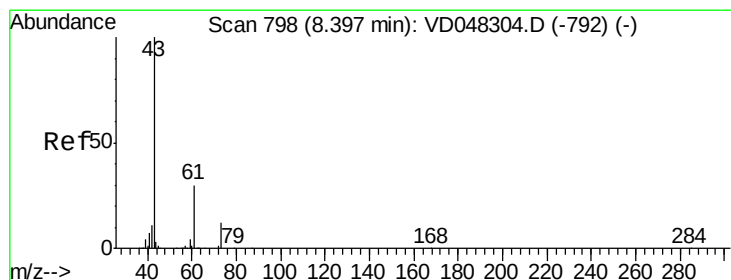
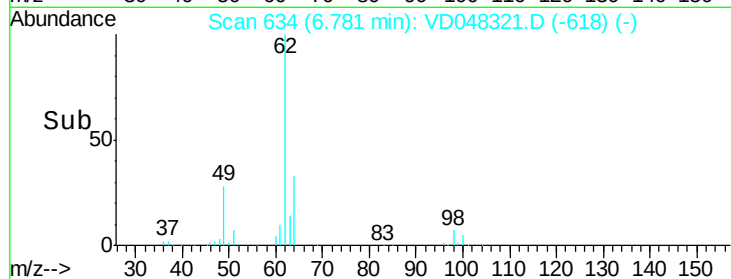
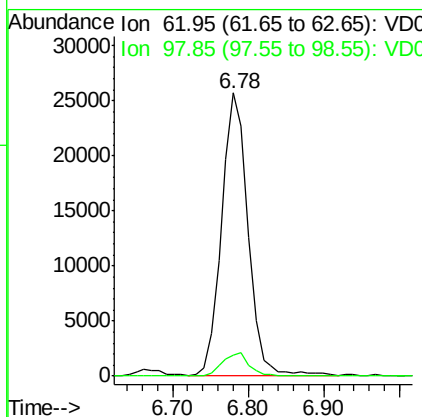
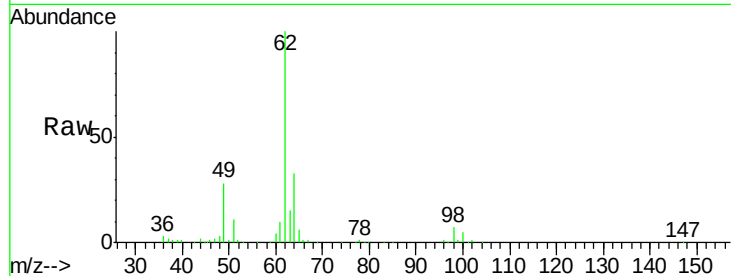




#41
 1,2-Dichloroethane
 Concen: 21.17 ug/l
 RT: 6.78 min Scan# 634
 Delta R.T. -0.04 min
 Lab File: VD048321.D
 Acq: 6 Jan 2016 14:53

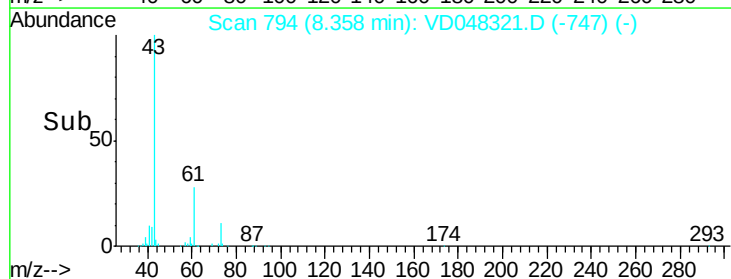
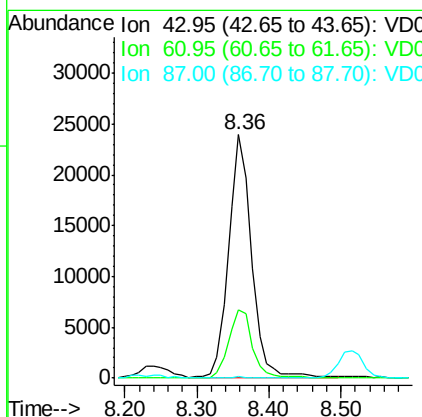
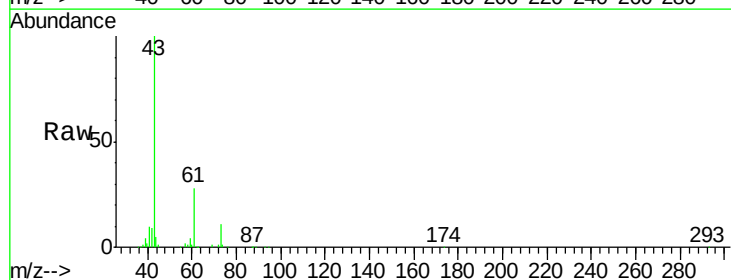
Instrument :
 BNA_F
 ClientSampleId :

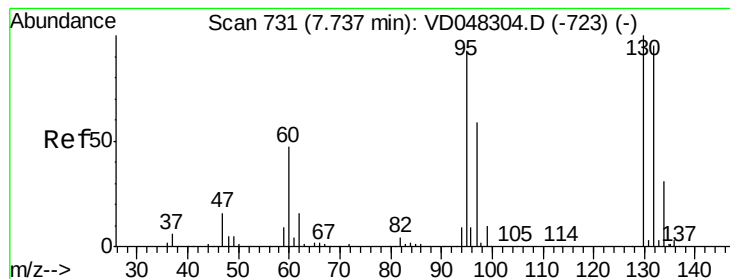
Tot Ion: 62 Resp: 62593
 Ion Ratio Lower Upper
 62 100
 98 7.5 0.0 14.0



#42
 Isopropyl Acetate
 Concen: 23.65 ug/l
 RT: 8.36 min Scan# 794
 Delta R.T. -0.04 min
 Lab File: VD048321.D
 Acq: 6 Jan 2016 14:53

Tgt Ion: 43 Resp: 52434
 Ion Ratio Lower Upper
 43 100
 61 28.1 23.8 35.8
 87 0.5 0.3 0.5





#43

Trichloroethene

Concen: 19.70 ug/l

RT: 7.70 min Scan# 727

Delta R.T. -0.04 min

Lab File: VD048321.D

Acq: 6 Jan 2016 14:53

Instrument :

BNA_F

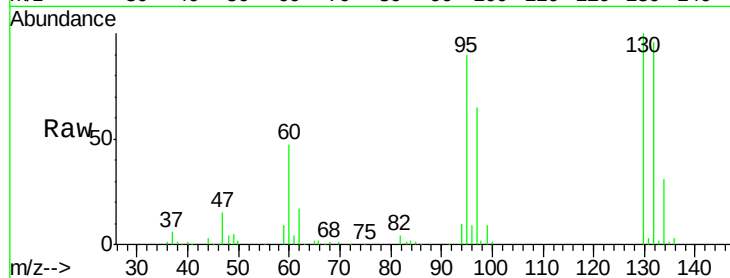
ClientSampleId :

Tot Ion:130 Resp: 52262

Ion Ratio Lower Upper

130 100

95 90.1 0.0 190.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

7.70

25000

20000

15000

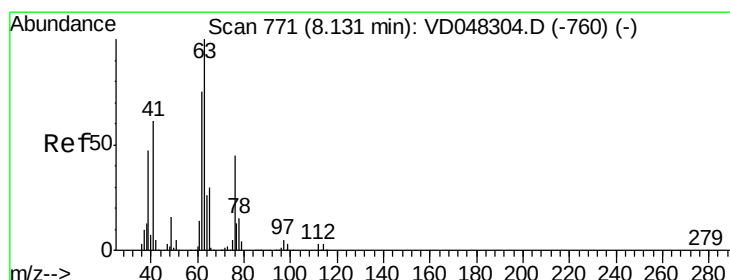
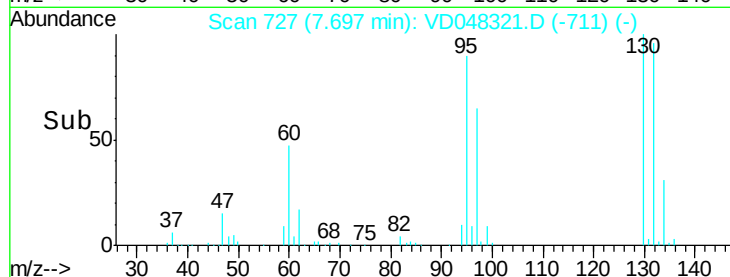
10000

5000

0

Time-->

7.50 7.60 7.70 7.80 7.90



#44

1,2-Dichloropropane

Concen: 20.19 ug/l

RT: 8.09 min Scan# 767

Delta R.T. -0.04 min

Lab File: VD048321.D

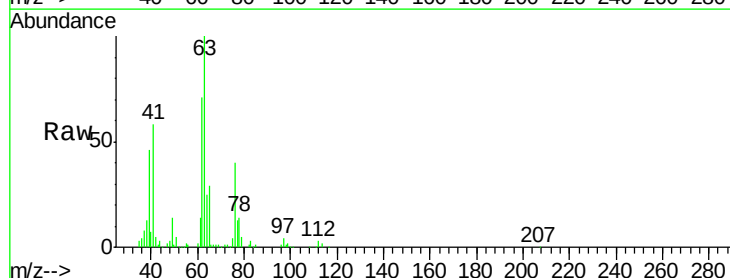
Acq: 6 Jan 2016 14:53

Tgt Ion: 63 Resp: 52728

Ion Ratio Lower Upper

63 100

65 29.2 23.7 35.5



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.09

25000

20000

15000

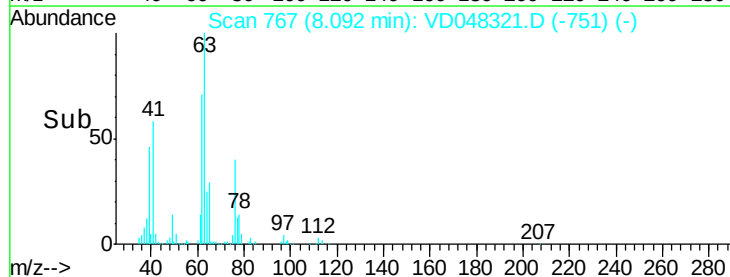
10000

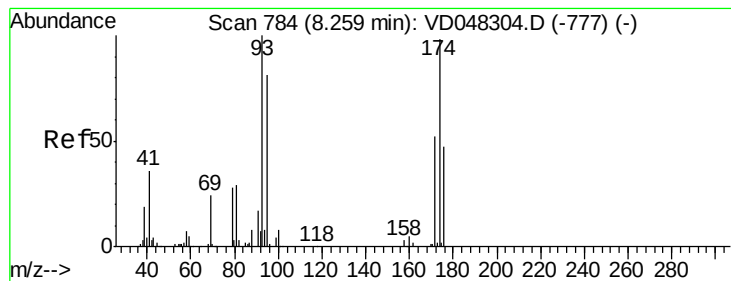
5000

0

Time-->

7.90 8.00 8.10 8.20 8.30





#45

Dibromomethane

Concen: 20.68 ug/l

RT: 8.22 min Scan# 780

Delta R.T. -0.04 min

Lab File: VD048321.D

Acq: 6 Jan 2016 14:53

Instrument :

BNA_F

ClientSampleId :

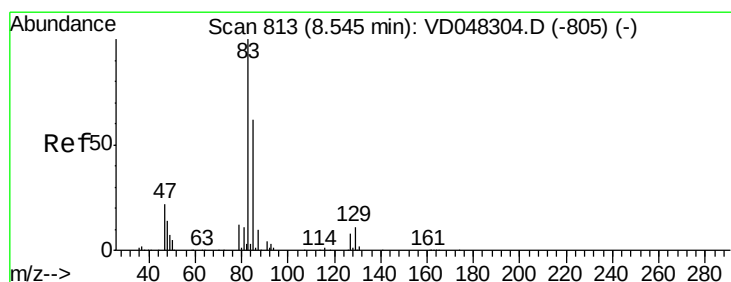
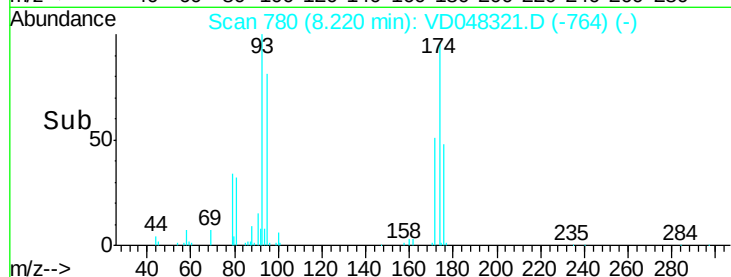
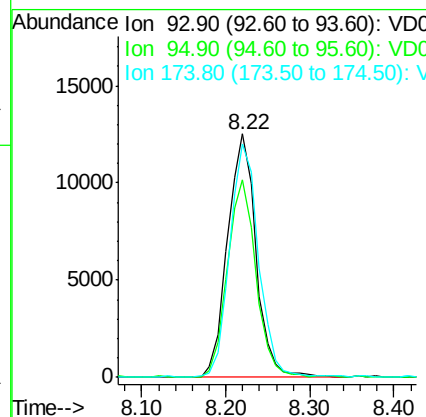
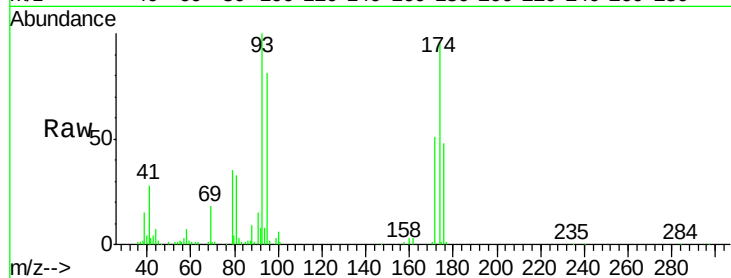
Tot Ion: 93 Resp: 29413

Ion Ratio Lower Upper

93 100

95 81.1 64.4 96.6

174 95.9 74.6 112.0



#46

Bromodichloromethane

Concen: 19.73 ug/l

RT: 8.52 min Scan# 810

Delta R.T. -0.03 min

Lab File: VD048321.D

Acq: 6 Jan 2016 14:53

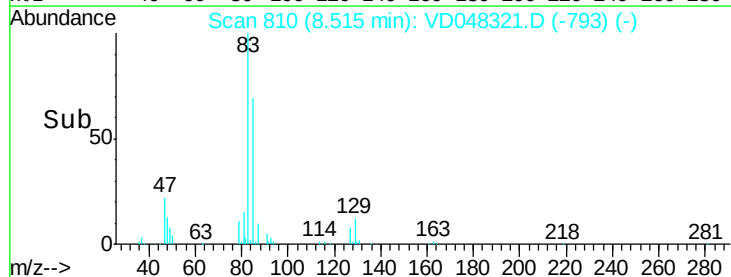
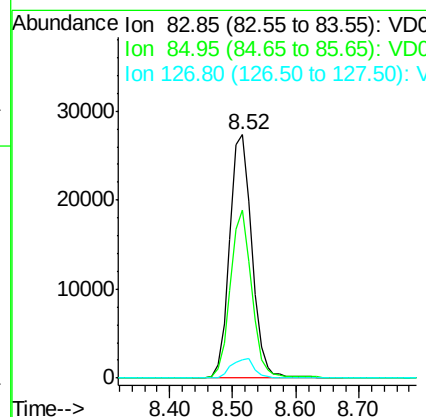
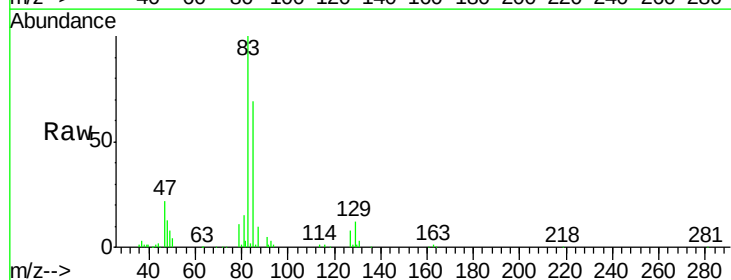
Tgt Ion: 83 Resp: 67029

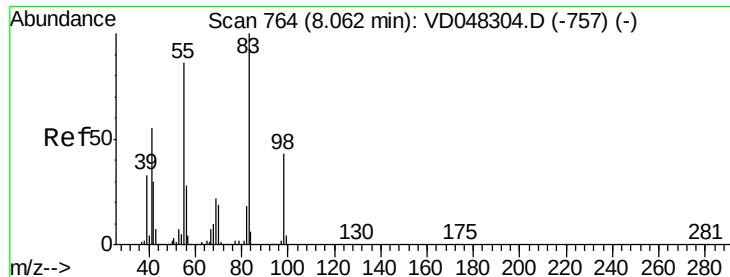
Ion Ratio Lower Upper

83 100

85 68.8 48.7 73.1

127 7.7 6.8 10.2





#47

Methyl methacrylate

Concen: 17.50 ug/l

RT: 8.02 min Scan# 760

Delta R.T. -0.04 min

Lab File: VD048321.D

Acq: 6 Jan 2016 14:53

Instrument :

BNA_F

ClientSampleId :

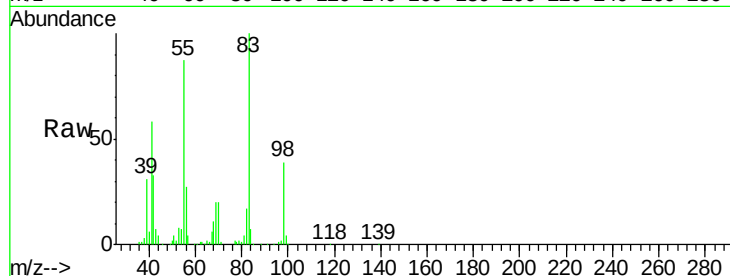
Tot Ion: 41 Resp: 36952

Ion Ratio Lower Upper

41 100

69 34.9 34.6 52.0

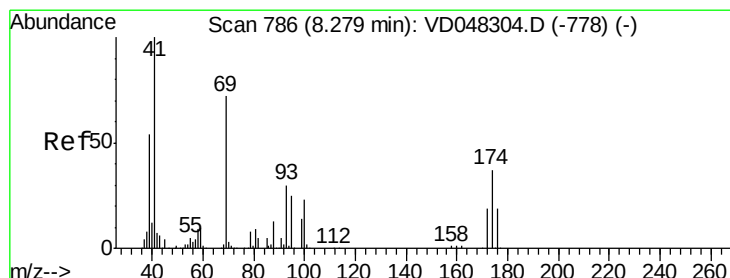
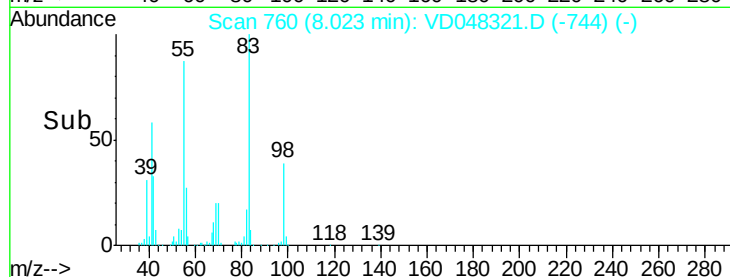
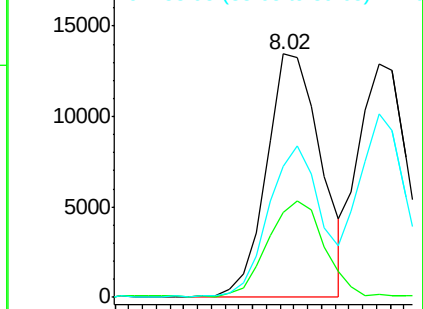
39 53.7 45.6 68.4



Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC



#48

1,4-Dioxane

Concen: 532.67 ug/l

RT: 8.24 min Scan# 782

Delta R.T. -0.04 min

Lab File: VD048321.D

Acq: 6 Jan 2016 14:53

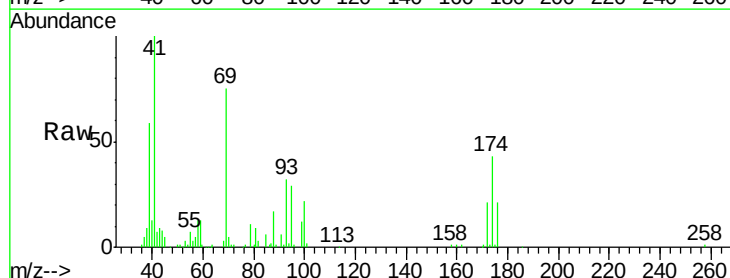
Tgt Ion: 88 Resp: 6820

Ion Ratio Lower Upper

88 100

43 49.4 42.7 64.1

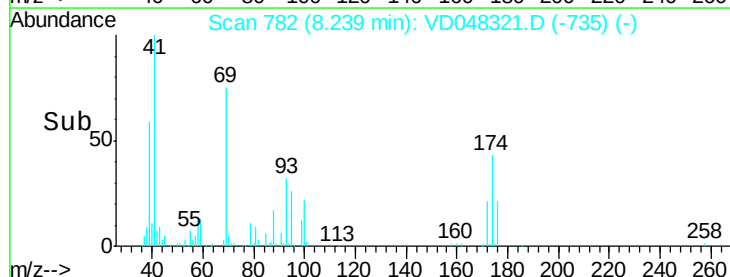
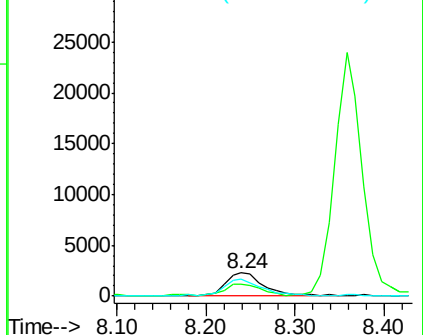
58 74.2 63.9 95.9

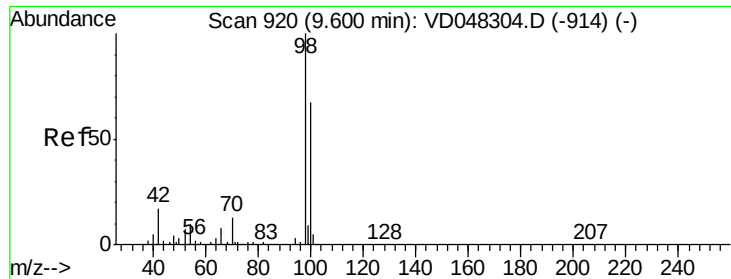


Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC

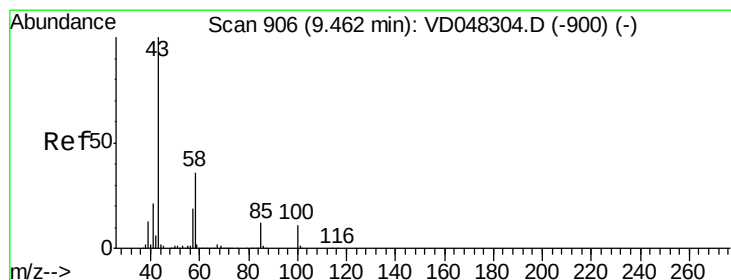
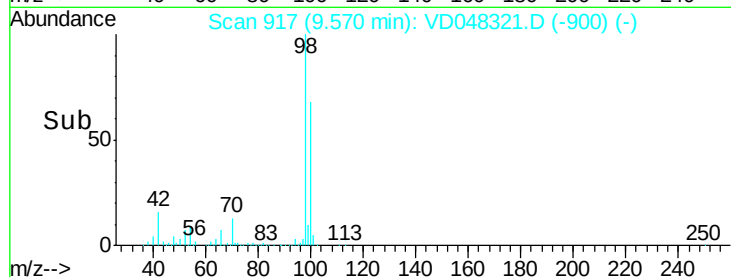
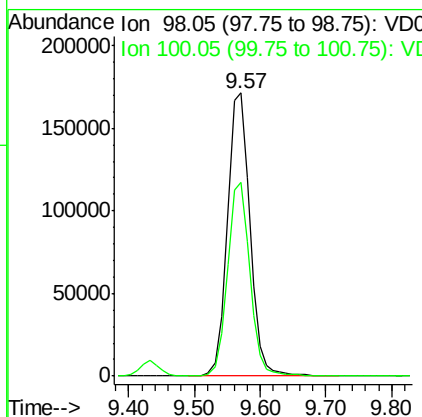
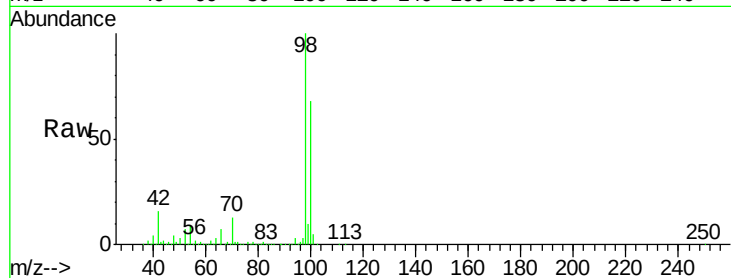




#49
Toluene-d8
Concen: 532.67 ug/l
RT: 9.57 min Scan# 917
Delta R.T. -0.03 min
Lab File: VD048321.D
Acq: 6 Jan 2016 14:53

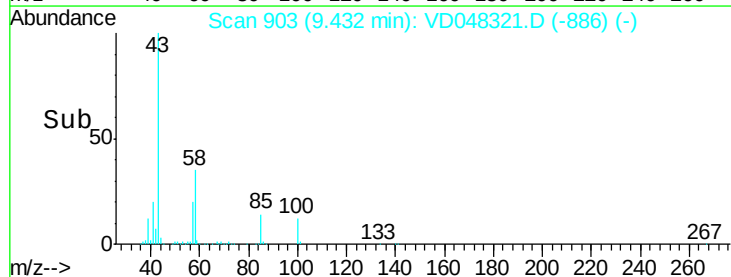
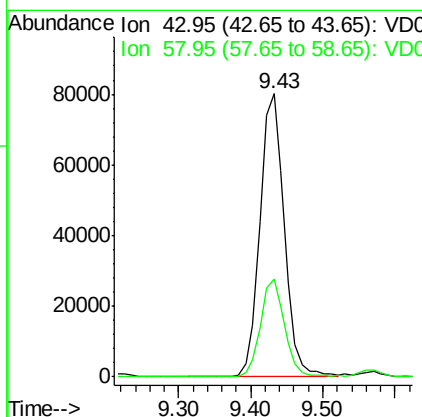
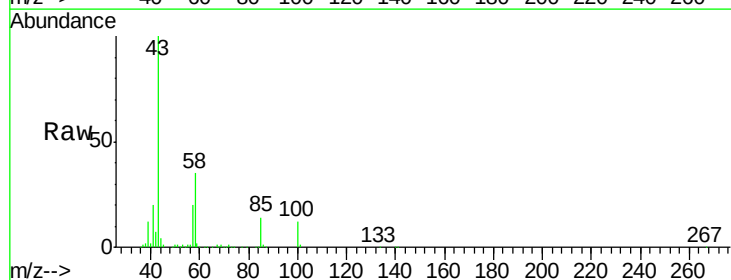
Instrument :
BNA_F
ClientSampleId :

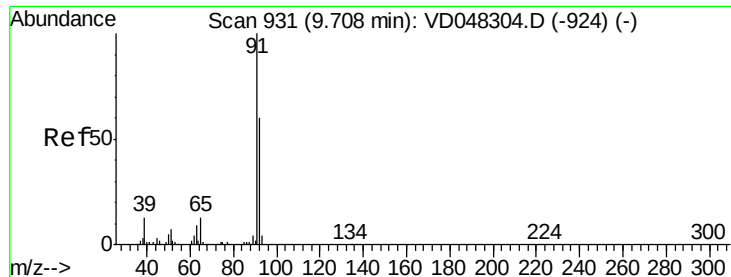
Tot Ion: 98 Resp: 413130
Ion Ratio Lower Upper
98 100
100 68.4 55.8 83.6



#50
4-Methyl-2-Pentanone
Concen: 128.76 ug/l
RT: 9.43 min Scan# 903
Delta R.T. -0.03 min
Lab File: VD048321.D
Acq: 6 Jan 2016 14:53

Tgt Ion: 43 Resp: 189758
Ion Ratio Lower Upper
43 100
58 34.6 28.5 42.7





#51

Toluene

Concen: 19.80 ug/l

RT: 9.67 min Scan# 927

Delta R.T. -0.04 min

Lab File: VD048321.D

Acq: 6 Jan 2016 14:53

Instrument :

BNA_F

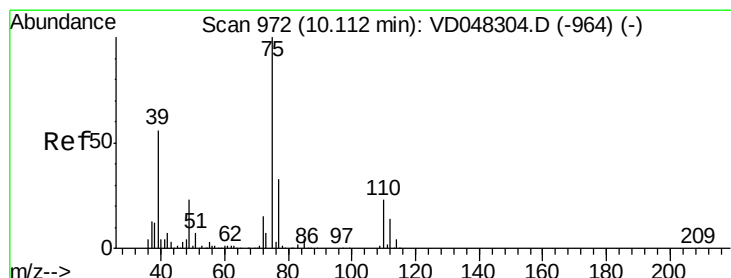
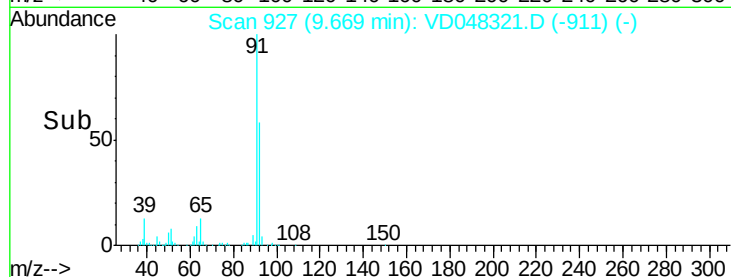
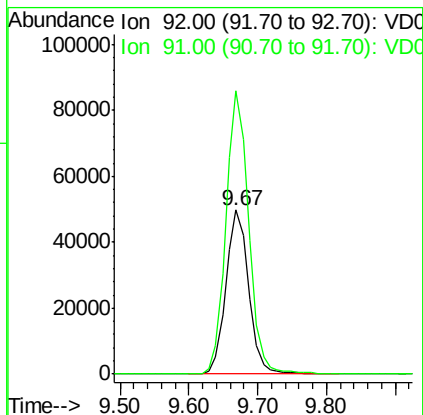
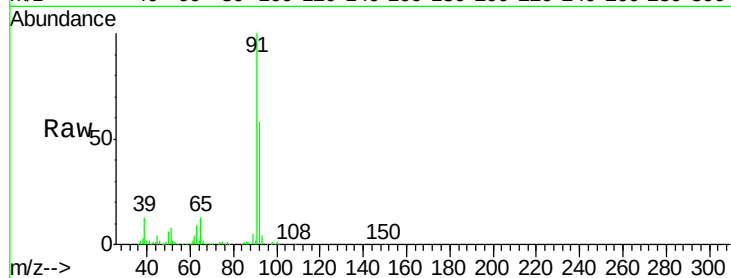
ClientSampled :

Tot Ion: 92 Resp: 113662

Ion Ratio Lower Upper

92 100

91 172.6 133.4 200.2



#52

t-1,3-Dichloropropene

Concen: 21.13 ug/l

RT: 10.07 min Scan# 968

Delta R.T. -0.04 min

Lab File: VD048321.D

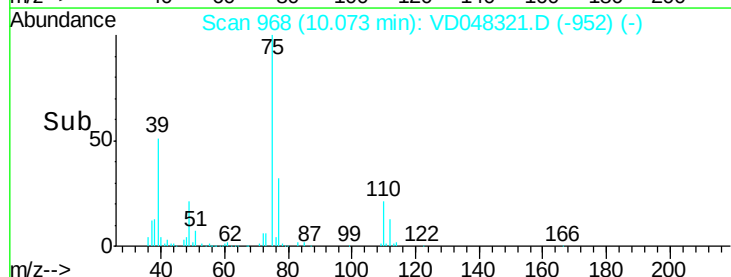
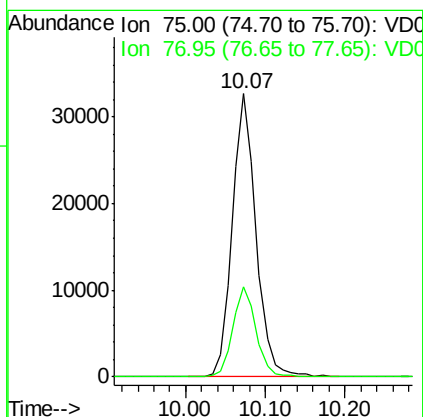
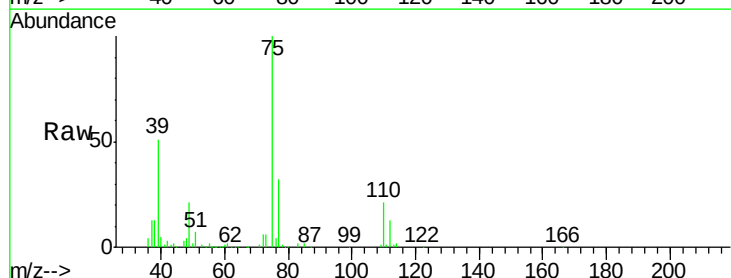
Acq: 6 Jan 2016 14:53

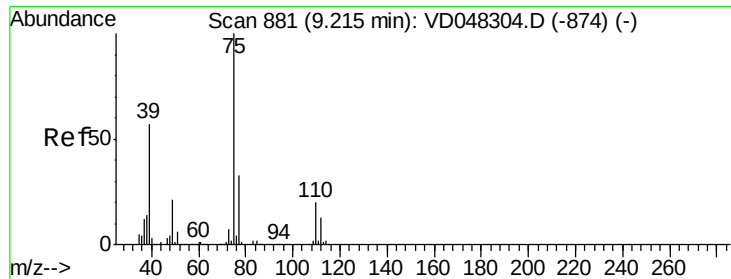
Tgt Ion: 75 Resp: 68295

Ion Ratio Lower Upper

75 100

77 31.8 26.4 39.6





#53

cis-1,3-Dichloropropene

Concen: 20.16 ug/l

RT: 9.19 min Scan# 878

Delta R.T. -0.03 min

Lab File: VD048321.D

Acq: 6 Jan 2016 14:53

Instrument :

BNA_F

ClientSampleId :

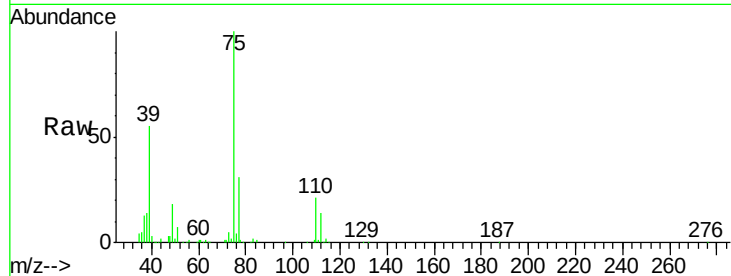
Tot Ion: 75 Resp: 81397

Ion Ratio Lower Upper

75 100

77 31.4 25.8 38.6

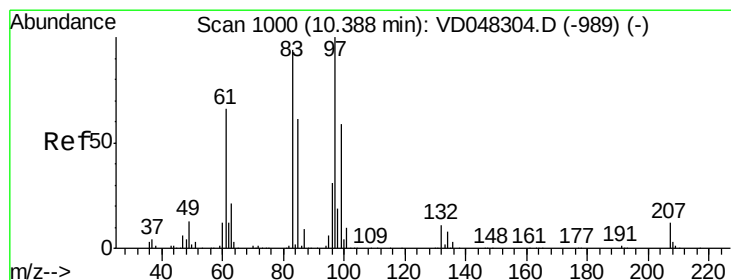
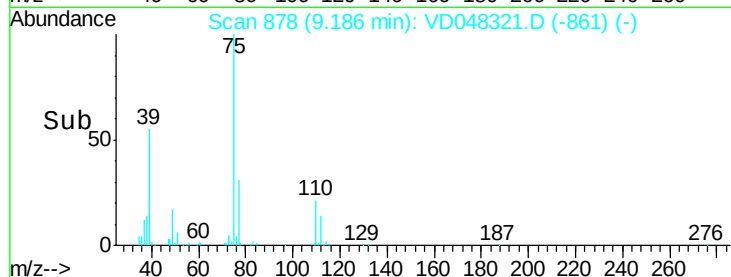
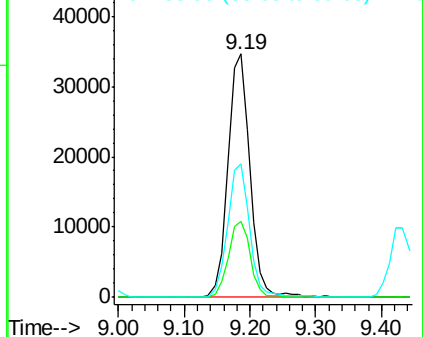
39 54.9 41.5 62.3



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: 22.06 ug/l

RT: 10.35 min Scan# 996

Delta R.T. -0.04 min

Lab File: VD048321.D

Acq: 6 Jan 2016 14:53

Tgt Ion: 97 Resp: 39594

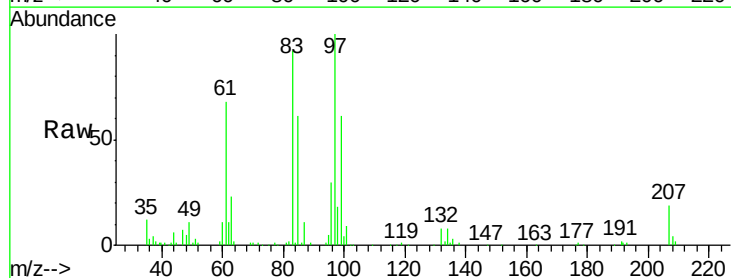
Ion Ratio Lower Upper

97 100

83 92.3 78.2 117.2

85 61.0 48.1 72.1

99 60.8 50.0 75.0

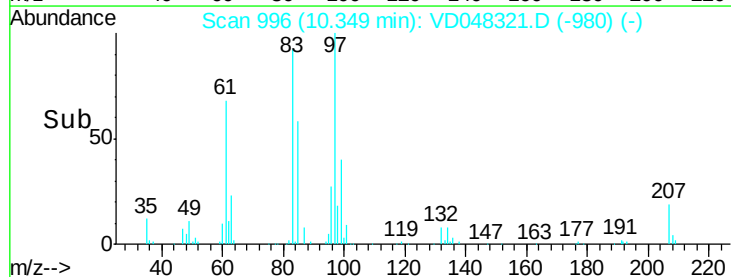
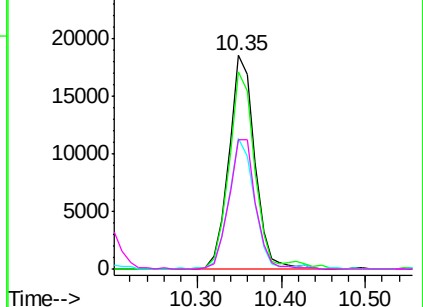


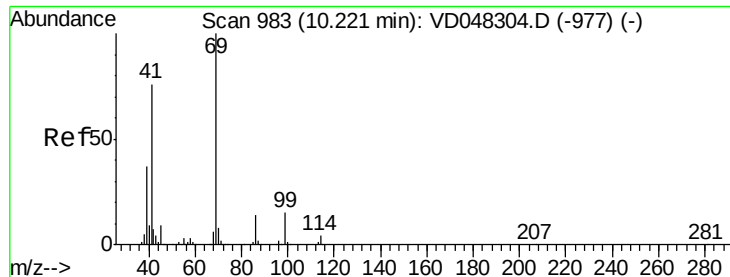
Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC





#55

Ethyl methacrylate

Concen: 23.13 ug/l

RT: 10.19 min Scan# 980

Delta R.T. -0.03 min

Lab File: VD048321.D

Acq: 6 Jan 2016 14:53

Instrument :

BNA_F

ClientSampleId :

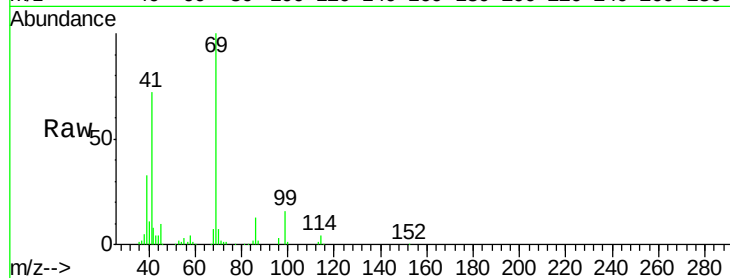
Tot Ion: 69 Resp: 50098

Ion Ratio Lower Upper

69 100

41 72.3 55.3 82.9

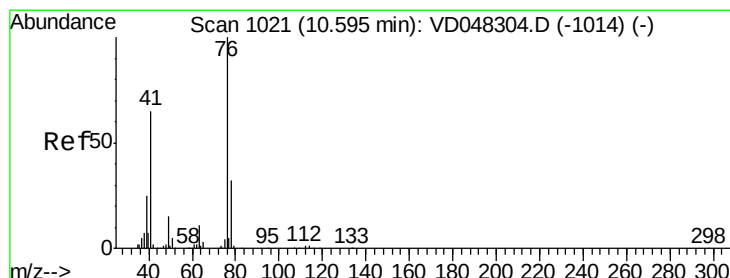
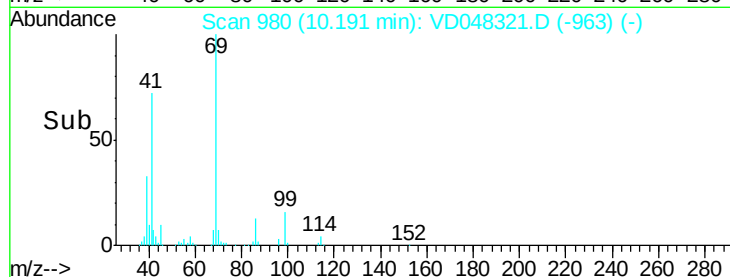
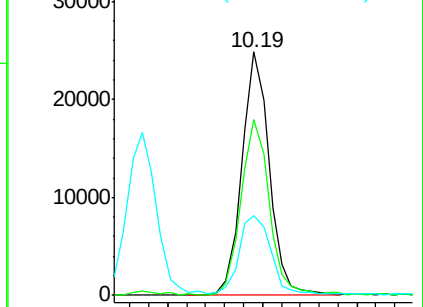
39 32.9 29.4 44.2



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: 21.47 ug/l

RT: 10.57 min Scan# 1018

Delta R.T. -0.03 min

Lab File: VD048321.D

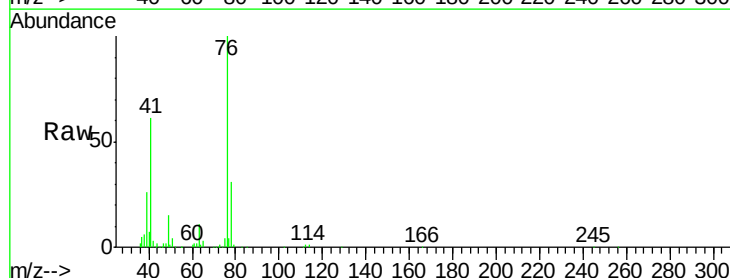
Acq: 6 Jan 2016 14:53

Tgt Ion: 76 Resp: 76815

Ion Ratio Lower Upper

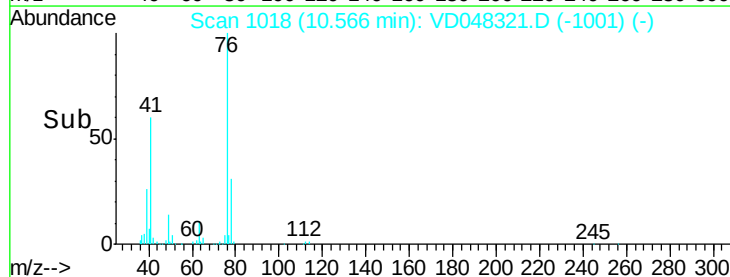
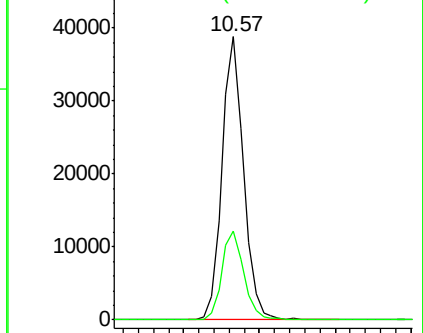
76 100

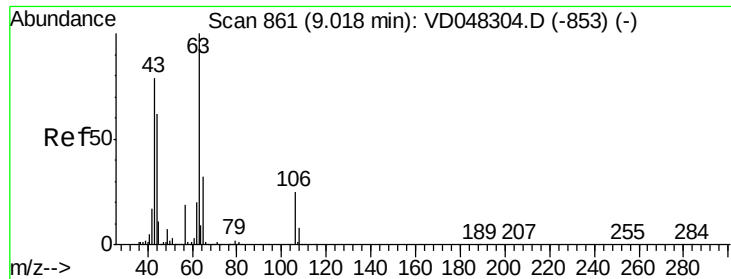
78 31.5 25.8 38.8



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: 105.02 ug/l

RT: 8.98 min Scan# 857

Delta R.T. -0.04 min

Lab File: VD048321.D

Acq: 6 Jan 2016 14:53

Instrument :

BNA_F

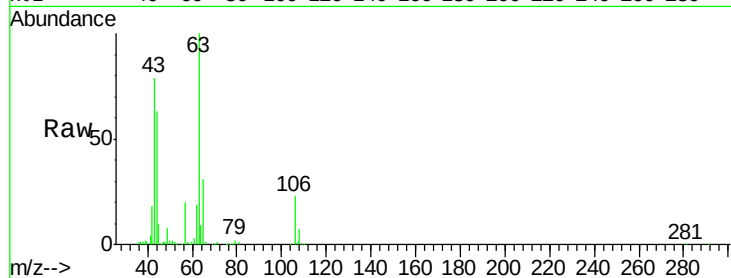
ClientSampleId :

Tot Ion: 63 Resp: 133752

Ion Ratio Lower Upper

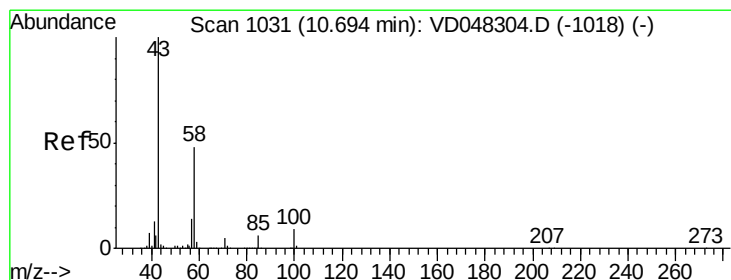
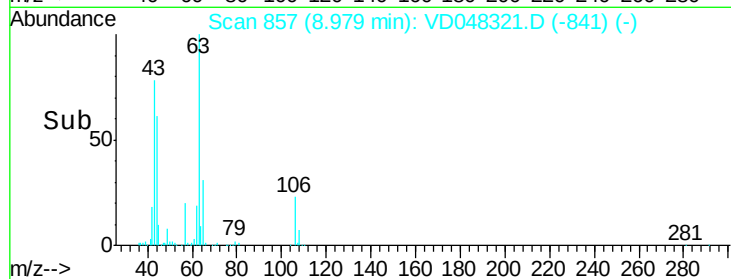
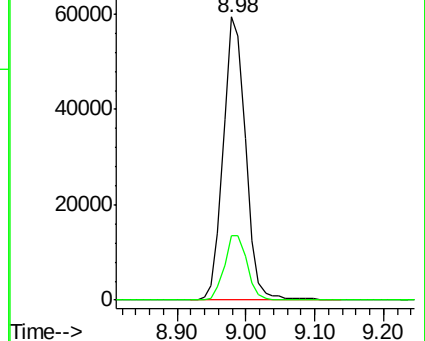
63 100

106 22.6 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: 127.88 ug/l

RT: 10.66 min Scan# 1028

Delta R.T. -0.03 min

Lab File: VD048321.D

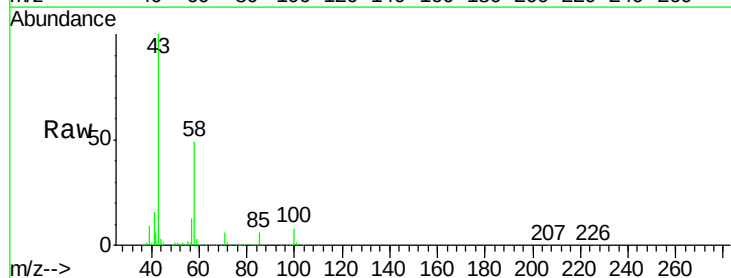
Acq: 6 Jan 2016 14:53

Tgt Ion: 43 Resp: 131367

Ion Ratio Lower Upper

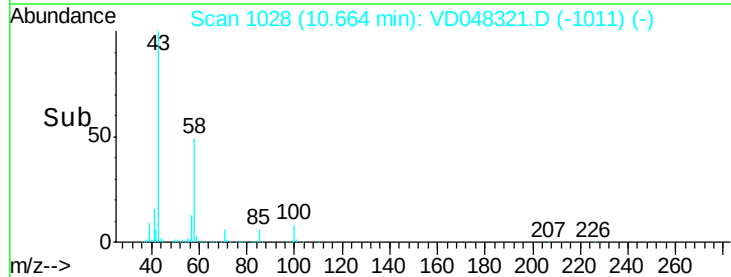
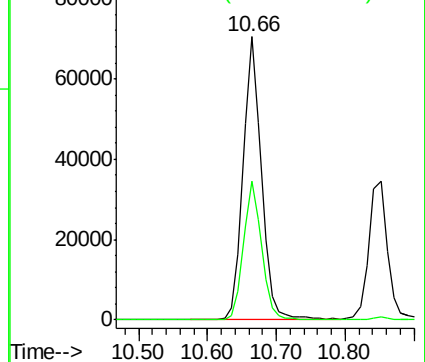
43 100

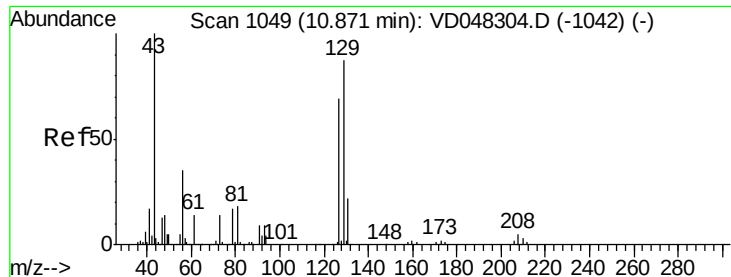
58 48.9 24.4 73.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#59

Dibromochloromethane

Concen: 20.16 ug/l

RT: 10.84 min Scan# 1046

Delta R.T. -0.03 min

Lab File: VD048321.D

Acq: 6 Jan 2016 14:53

Instrument :

BNA_F

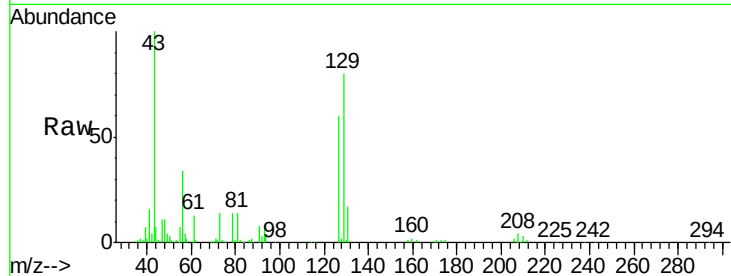
ClientSampleId :

Tot Ion:129 Resp: 47938

Ion Ratio Lower Upper

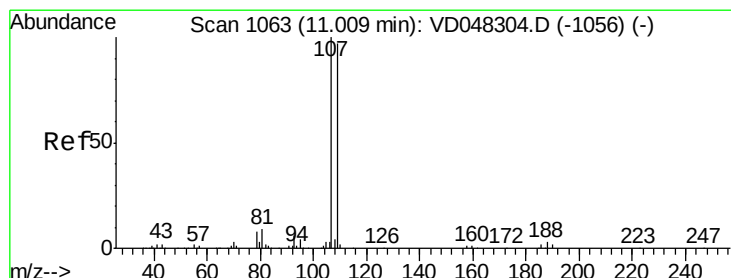
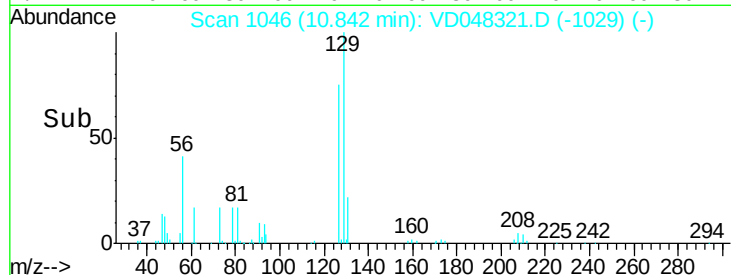
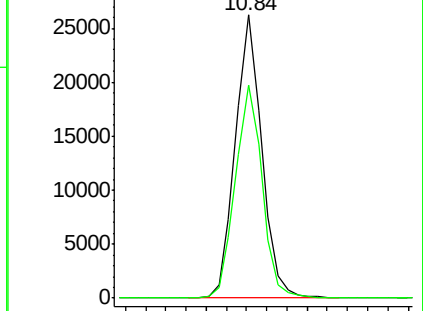
129 100

127 75.1 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: 20.87 ug/l

RT: 10.98 min Scan# 1060

Delta R.T. -0.03 min

Lab File: VD048321.D

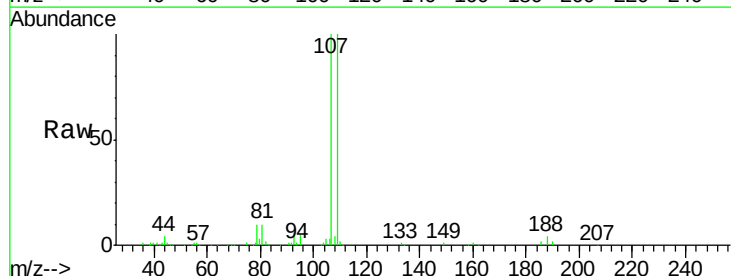
Acq: 6 Jan 2016 14:53

Tgt Ion:107 Resp: 40132

Ion Ratio Lower Upper

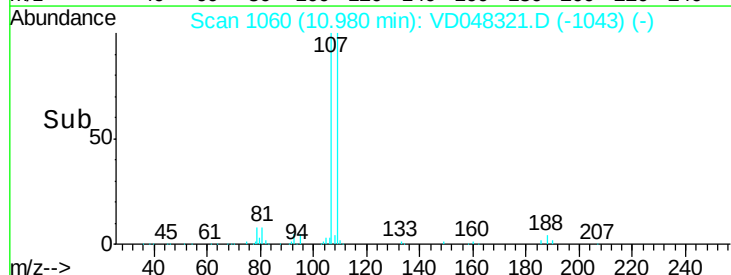
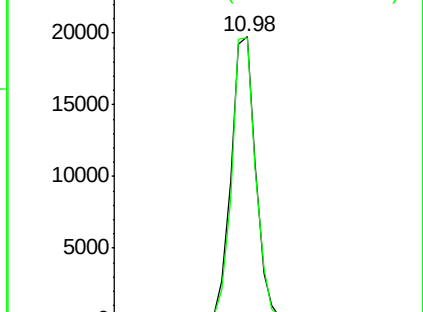
107 100

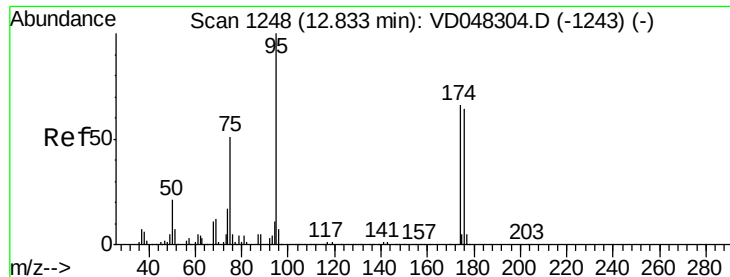
109 99.6 77.3 115.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

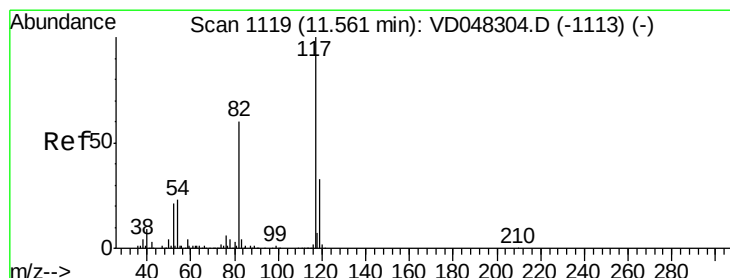
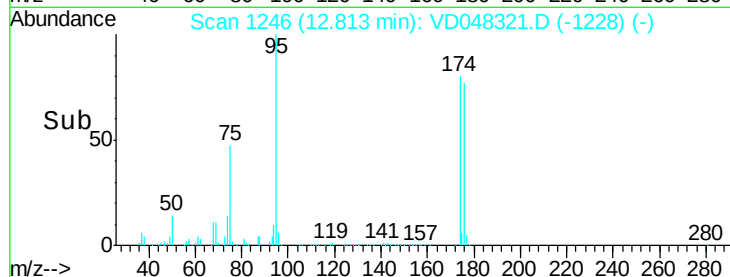
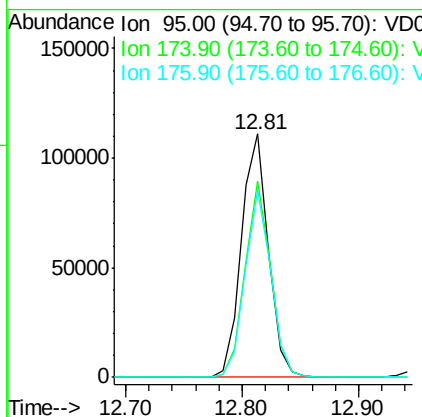
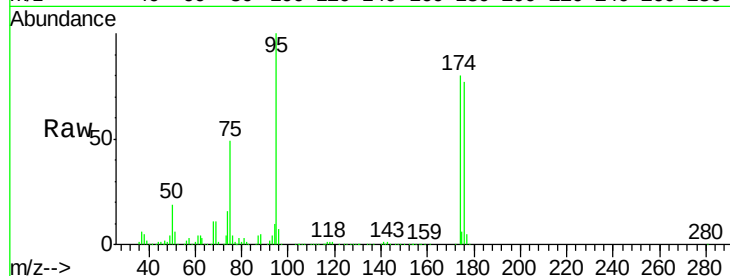




#61
4-Bromofluorobenzene
Concen: 20.87 ug/l
RT: 12.81 min Scan# 1246
Delta R.T. -0.02 min
Lab File: VD048321.D
Acq: 6 Jan 2016 14:53

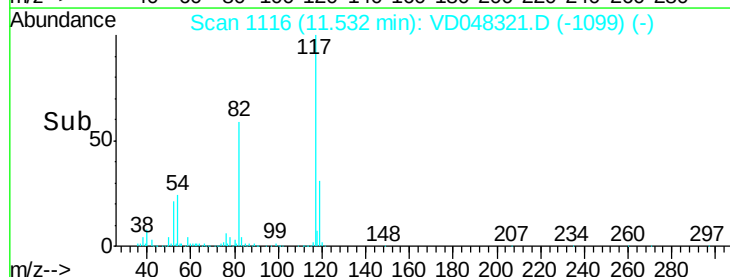
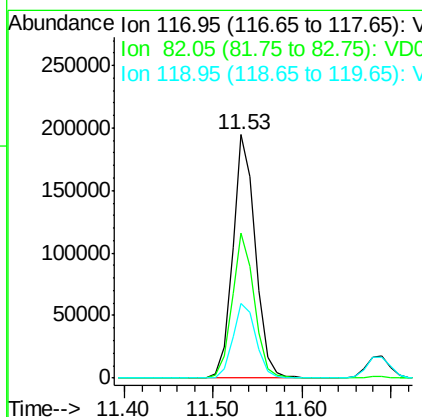
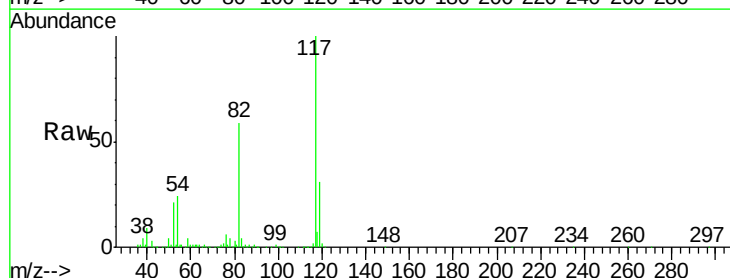
Instrument :
BNA_F
ClientSampleId :

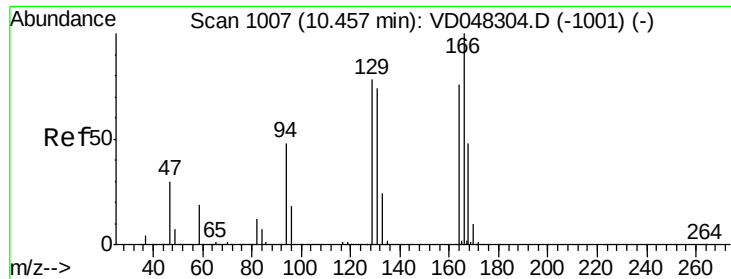
Tot Ion	95	Resp	177098
Ion Ratio	Lower	Upper	
95	100		
174	80.4	0.0	156.2
176	77.0	0.0	147.4



#62
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.53 min Scan# 1116
Delta R.T. -0.03 min
Lab File: VD048321.D
Acq: 6 Jan 2016 14:53

Tgt Ion	117	Resp	345104
Ion Ratio	Lower	Upper	
117	100		
82	59.4	46.8	70.2
119	30.9	26.1	39.1

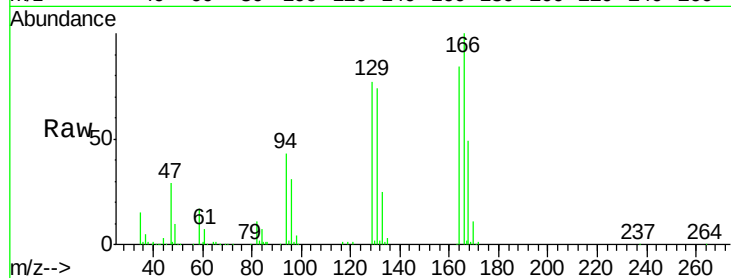




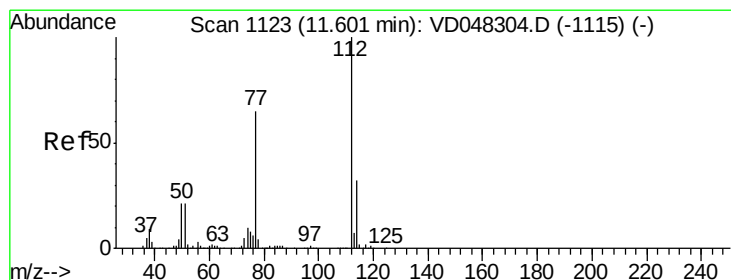
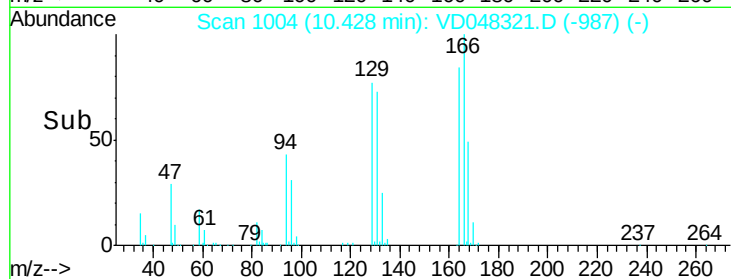
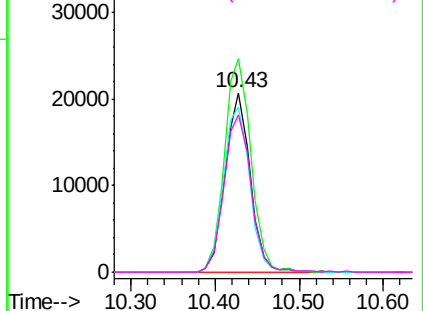
#63
 Tetrachloroethene
 Concen: 20.12 ug/l
 RT: 10.43 min Scan# 1004
 Delta R.T. -0.03 min
 Lab File: VD048321.D
 Acq: 6 Jan 2016 14:53

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	164	Resp:	43012
Ion	Ratio	Lower	Upper
164	100		
166	118.8	103.9	155.9
129	91.9	78.9	118.3
131	87.5	77.0	115.6

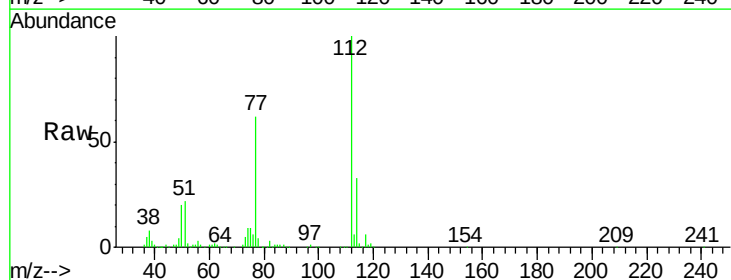


Abundance Ion 163.85 (163.55 to 164.55): V
 Ion 165.85 (165.55 to 166.55): V
 Ion 128.80 (128.50 to 129.50): V
 Ion 130.80 (130.50 to 131.50): V

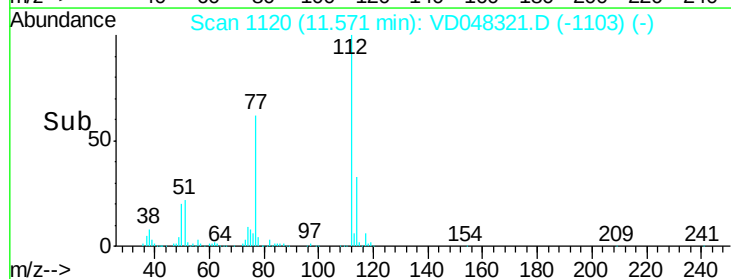
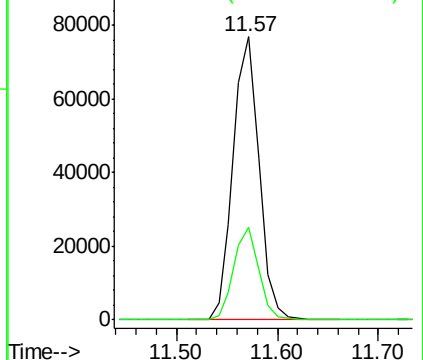


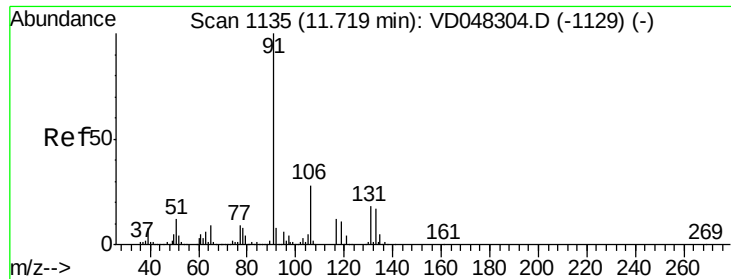
#64
 Chlorobenzene
 Concen: 20.06 ug/l
 RT: 11.57 min Scan# 1120
 Delta R.T. -0.03 min
 Lab File: VD048321.D
 Acq: 6 Jan 2016 14:53

Tgt Ion:	112	Resp:	137977
Ion	Ratio	Lower	Upper
112	100		
114	32.9	26.1	39.1



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





#65

1,1,1,2-Tetrachloroethane

Concen: 19.58 ug/l

RT: 11.69 min Scan# 1132

Delta R.T. -0.03 min

Lab File: VD048321.D

Acq: 6 Jan 2016 14:53

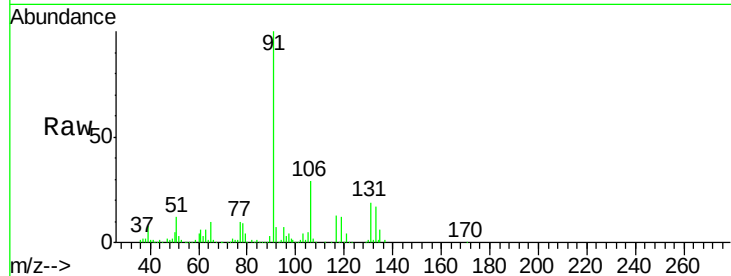
Instrument :

BNA_F

ClientSampleId :

Tot Ion:131 Resp: 48036

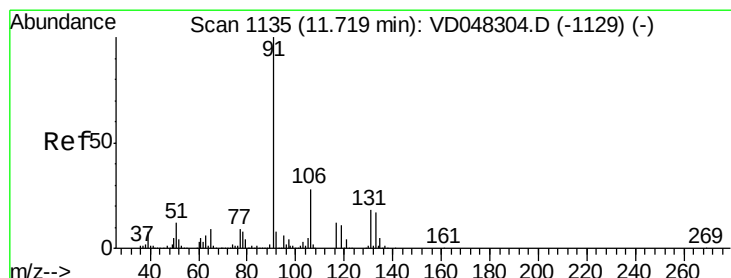
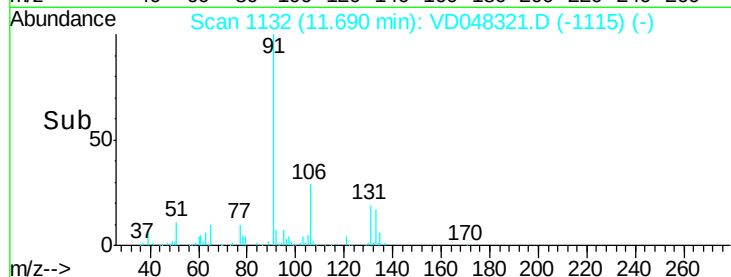
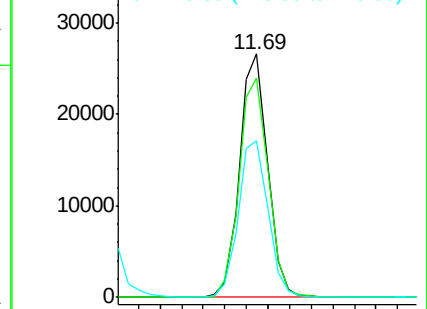
Ion	Ratio	Lower	Upper
131	100		
133	90.1	47.5	142.6
119	64.5	32.9	98.7



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: 19.64 ug/l

RT: 11.69 min Scan# 1132

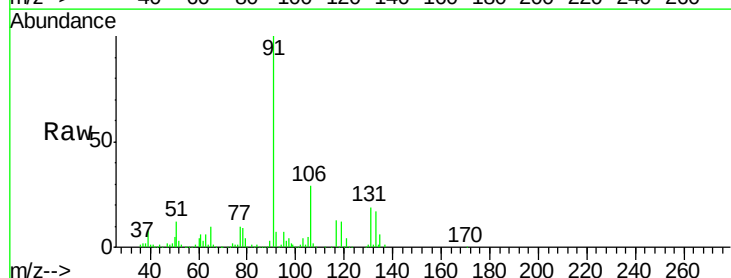
Delta R.T. -0.03 min

Lab File: VD048321.D

Acq: 6 Jan 2016 14:53

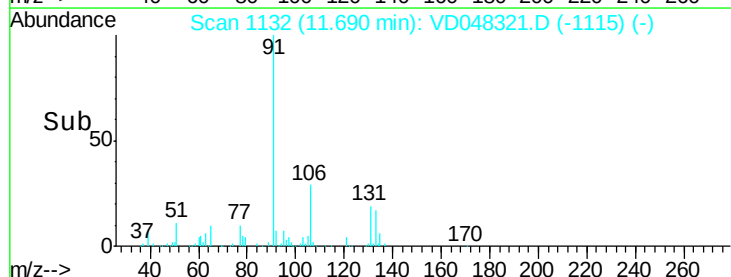
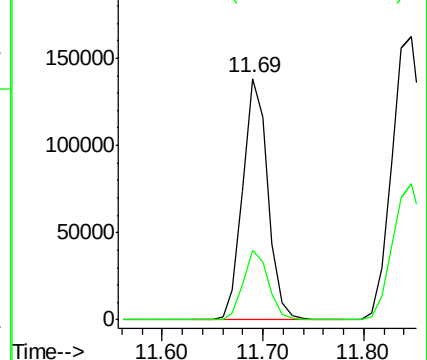
Tgt Ion: 91 Resp: 239028

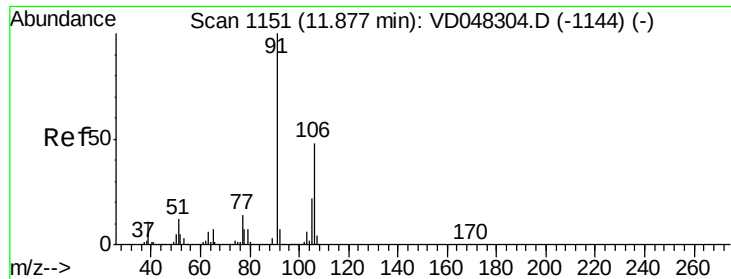
Ion	Ratio	Lower	Upper
91	100		
106	28.7	23.8	35.6



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.05 (105.75 to 106.75): V





#67

m/p-Xylenes

Concen: 39.84 ug/l

RT: 11.85 min Scan# 1148

Delta R.T. -0.03 min

Lab File: VD048321.D

Acq: 6 Jan 2016 14:53

Instrument :

BNA_F

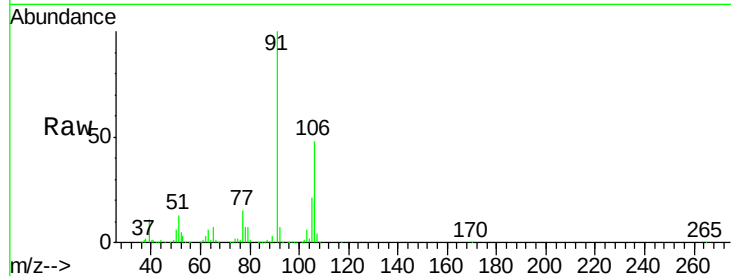
ClientSampled :

Tot Ion:106 Resp: 171719

Ion Ratio Lower Upper

106 100

91 208.0 162.0 243.0



Abundance Ion 106.05 (105.75 to 106.75): V

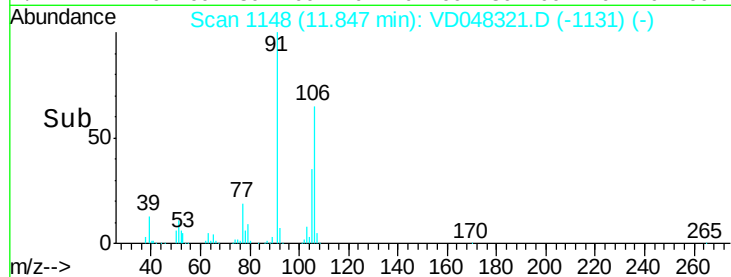
Ion 91.00 (90.70 to 91.70): VDC

150000

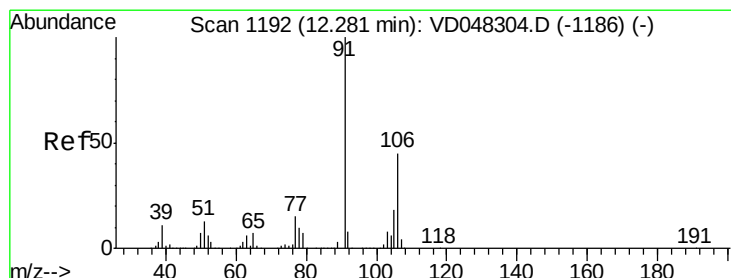
100000

50000

0



Time-->



#68

o-Xylene

Concen: 20.58 ug/l

RT: 12.25 min Scan# 1189

Delta R.T. -0.03 min

Lab File: VD048321.D

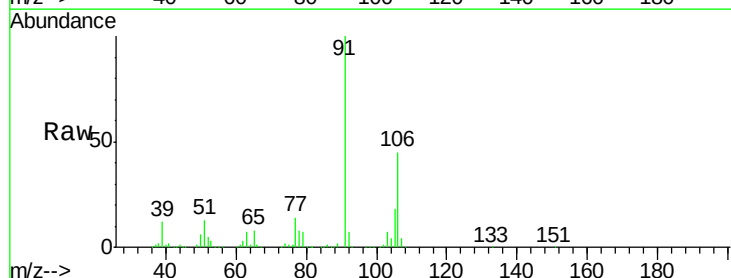
Acq: 6 Jan 2016 14:53

Tgt Ion:106 Resp: 85358

Ion Ratio Lower Upper

106 100

91 224.2 111.8 335.3



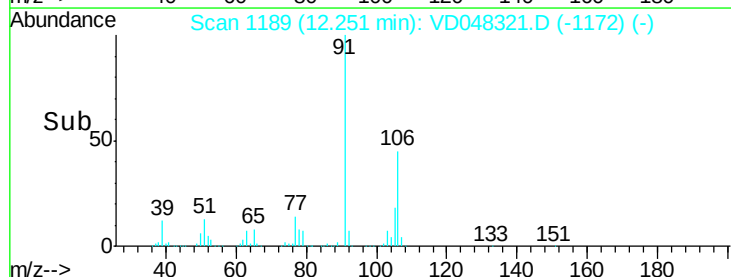
Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): VDC

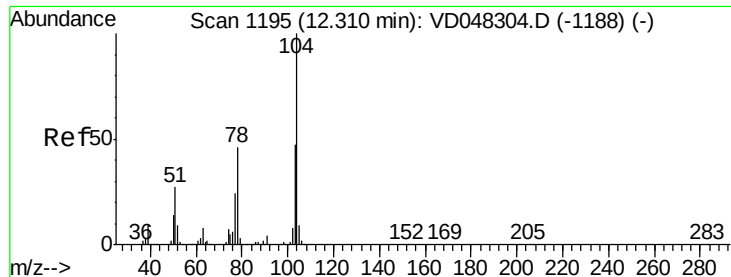
100000

50000

0



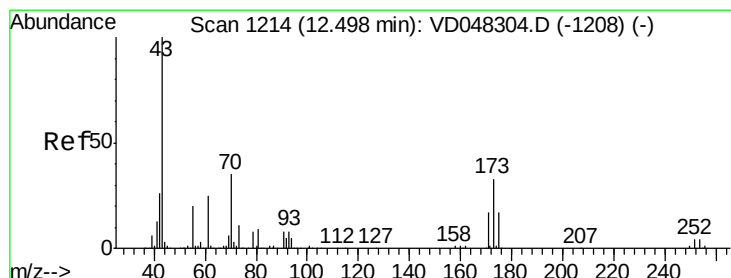
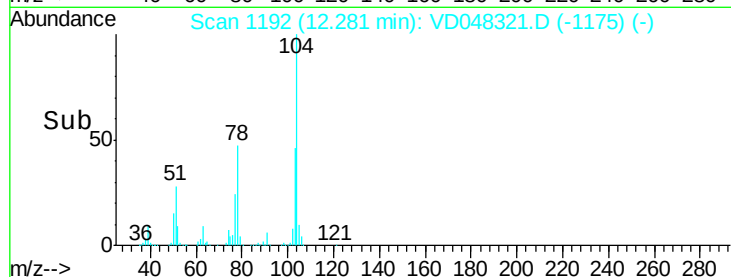
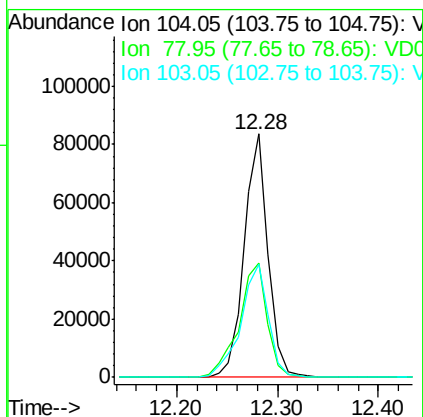
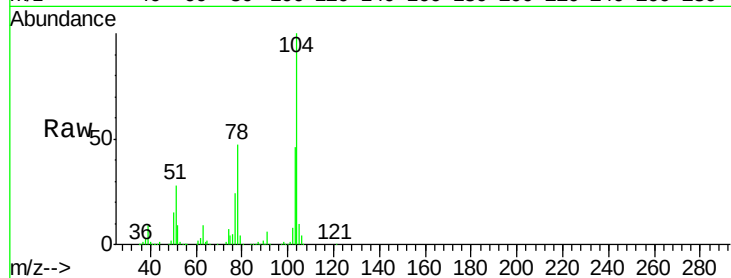
Time-->



#69
Stvrene
Concen: 20.80 ug/l
RT: 12.28 min Scan# 1192
Delta R.T. -0.03 min
Lab File: VD048321.D
Acq: 6 Jan 2016 14:53

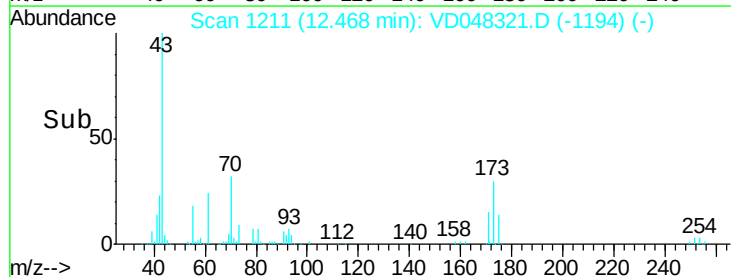
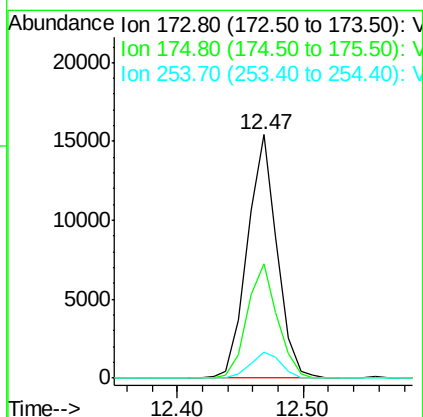
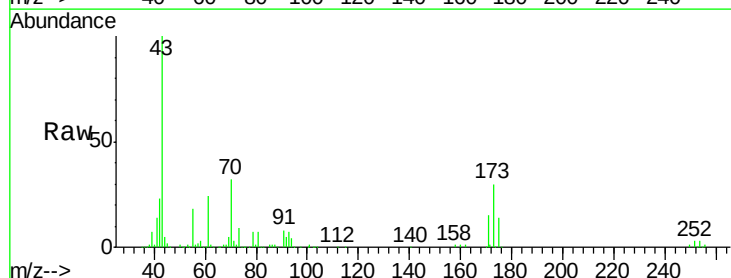
Instrument :
BNA_F
ClientSampleId :

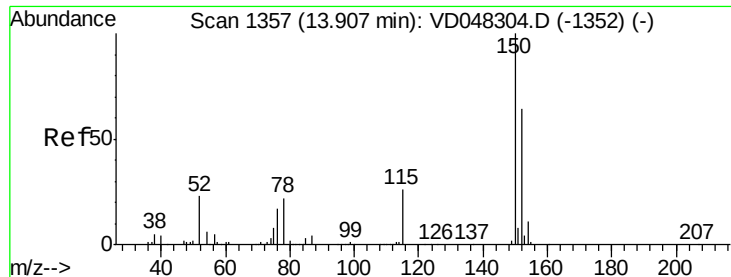
Tot Ion:104 Resp: 137984
Ion Ratio Lower Upper
104 100
78 47.0 37.5 56.3
103 46.2 37.3 55.9



#70
Bromoform
Concen: 20.85 ug/l
RT: 12.47 min Scan# 1211
Delta R.T. -0.03 min
Lab File: VD048321.D
Acq: 6 Jan 2016 14:53

Tgt Ion:173 Resp: 25076
Ion Ratio Lower Upper
173 100
175 46.7 26.0 78.0
254 10.8 7.7 11.5

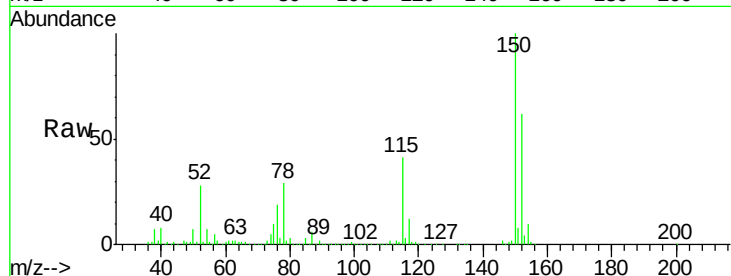




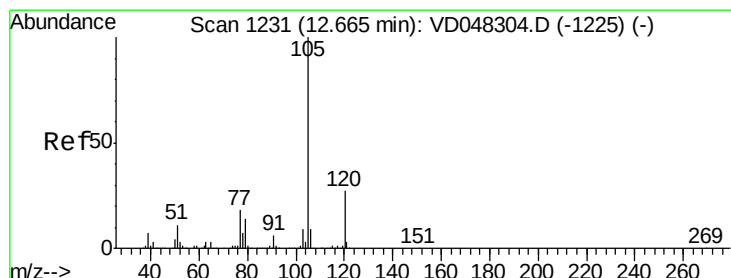
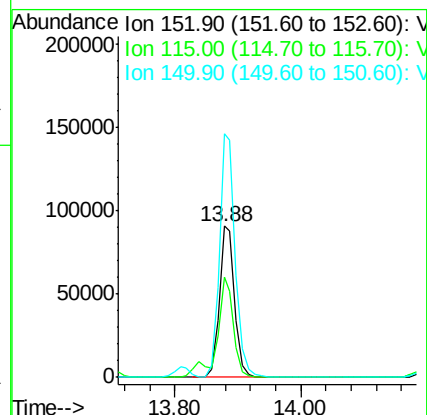
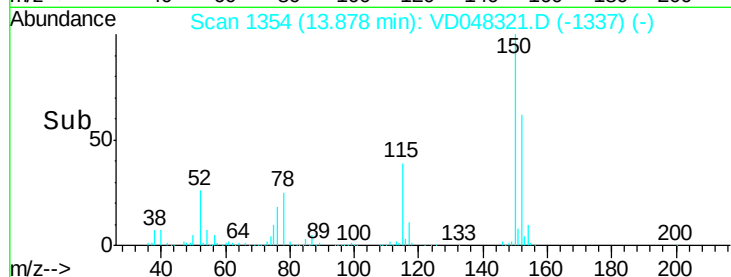
#71
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.88 min Scan# 1354
 Delta R.T. -0.03 min
 Lab File: VD048321.D
 Acq: 6 Jan 2016 14:53

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 156076
 Ion Ratio Lower Upper
 152 100
 115 66.1 32.4 97.2
 150 161.3 0.0 314.6

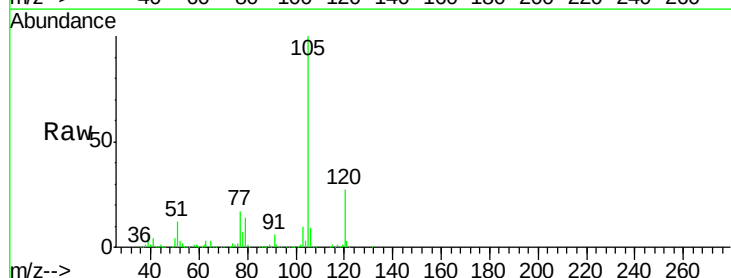


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 115.00 (114.70 to 115.70): V
 Ion 149.90 (149.60 to 150.60): V

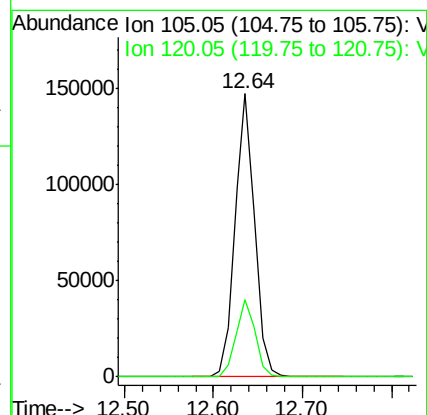
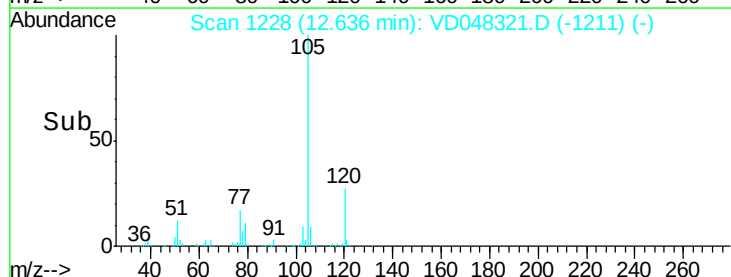


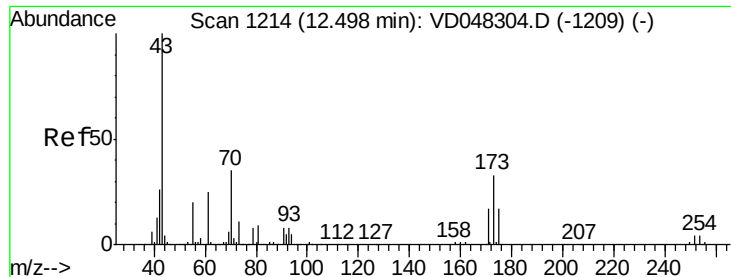
#72
 Isopropylbenzene
 Concen: 19.26 ug/l
 RT: 12.64 min Scan# 1228
 Delta R.T. -0.03 min
 Lab File: VD048321.D
 Acq: 6 Jan 2016 14:53

Tgt Ion:105 Resp: 229472
 Ion Ratio Lower Upper
 105 100
 120 27.4 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: 22.87 ug/l

RT: 12.47 min Scan# 1211

Delta R.T. -0.03 min

Lab File: VD048321.D

Acq: 6 Jan 2016 14:53

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 43 Resp: 76851

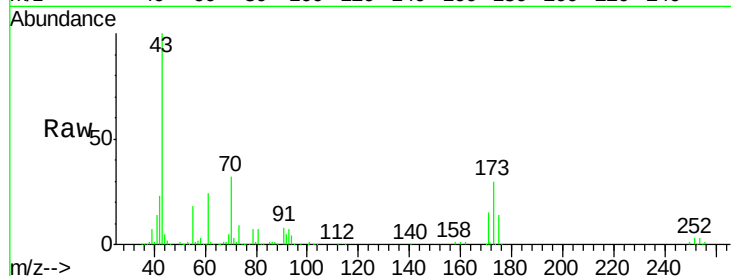
Ion Ratio Lower Upper

43 100

70 31.7 27.2 40.8

55 18.3 15.4 23.0

61 24.4 19.9 29.9

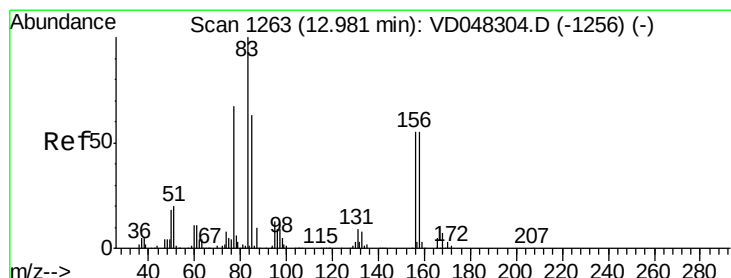
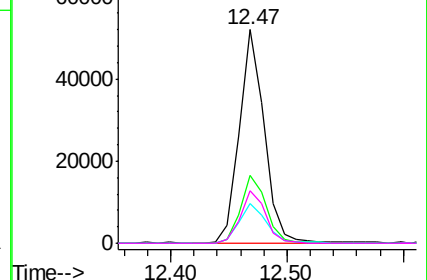
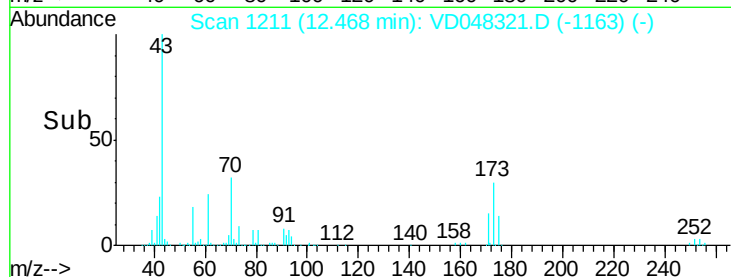


Abundance Ion 42.95 (42.65 to 43.65): VDC

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: 22.64 ug/l

RT: 12.95 min Scan# 1260

Delta R.T. -0.03 min

Lab File: VD048321.D

Acq: 6 Jan 2016 14:53

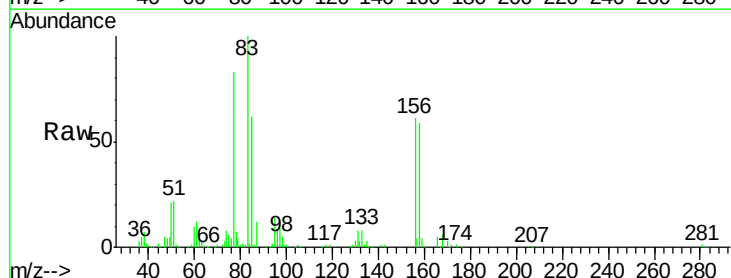
Tgt Ion: 83 Resp: 50077

Ion Ratio Lower Upper

83 100

131 7.9 4.3 13.1

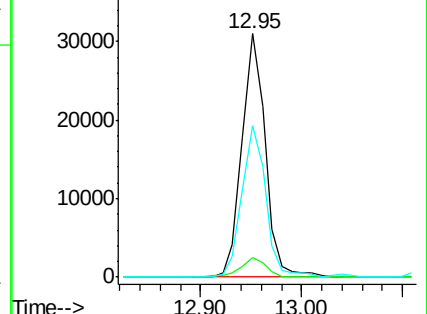
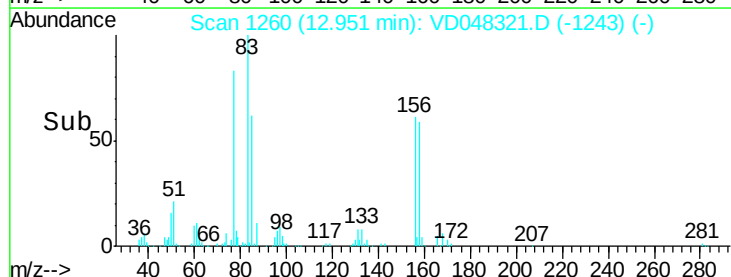
85 62.0 31.1 93.2

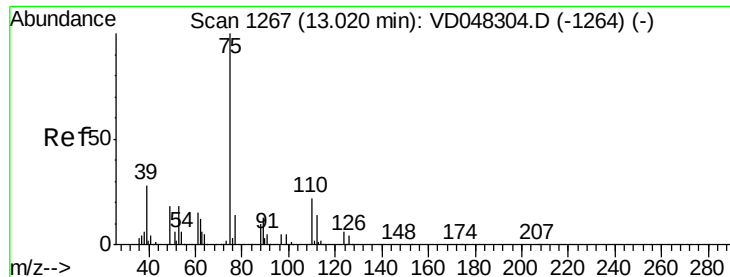


Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): V

Ion 84.95 (84.65 to 85.65): VDC





#75

1,2,3-Trichloropropane

Concen: 22.83 ug/l

RT: 13.00 min Scan# 1265

Delta R.T. -0.02 min

Lab File: VD048321.D

Acq: 6 Jan 2016 14:53

Instrument :

BNA_F

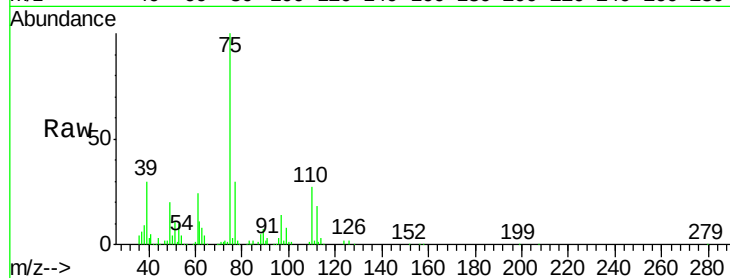
ClientSampleId :

Tot Ion: 75 Resp: 56532

Ion Ratio Lower Upper

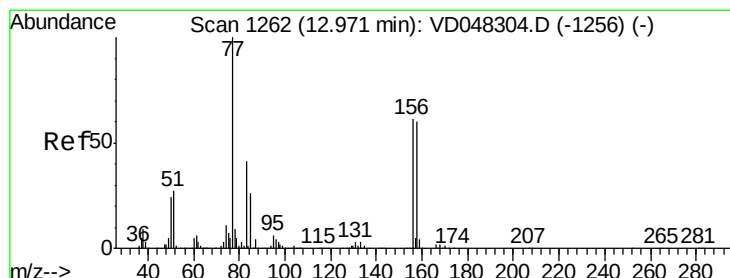
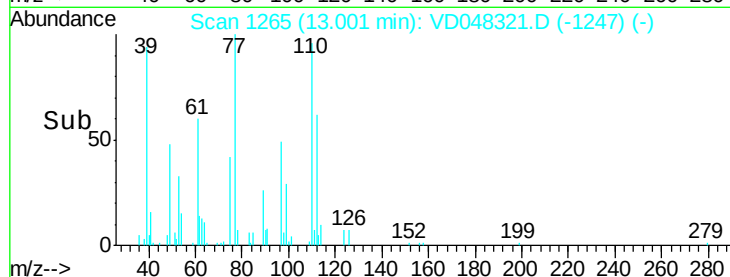
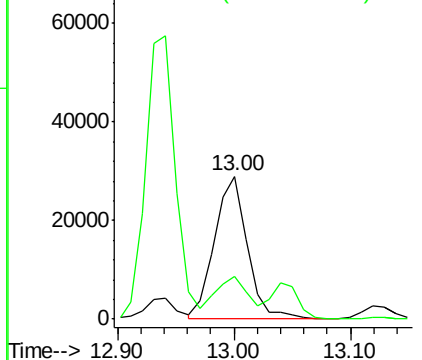
75 100

77 29.6 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: 19.98 ug/l

RT: 12.94 min Scan# 1259

Delta R.T. -0.03 min

Lab File: VD048321.D

Acq: 6 Jan 2016 14:53

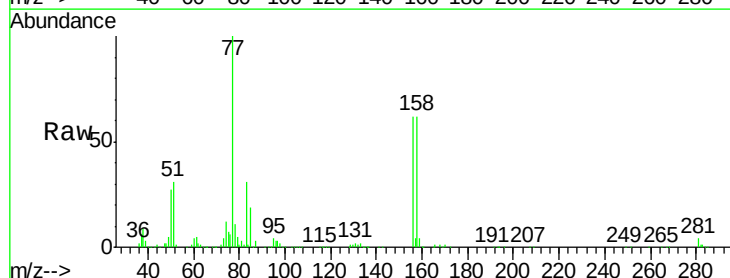
Tgt Ion: 156 Resp: 55608

Ion Ratio Lower Upper

156 100

77 162.5 87.5 262.4

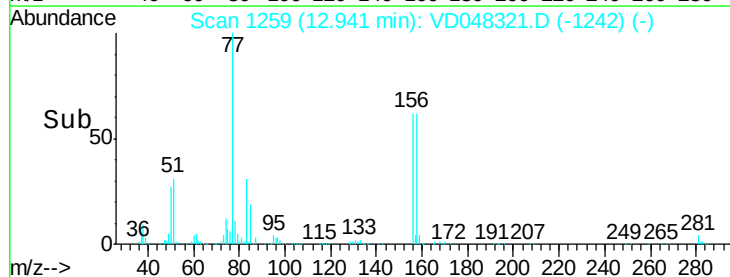
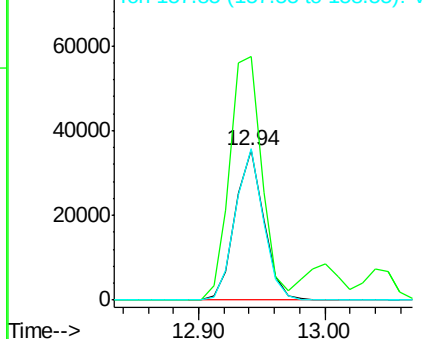
158 100.7 49.5 148.5

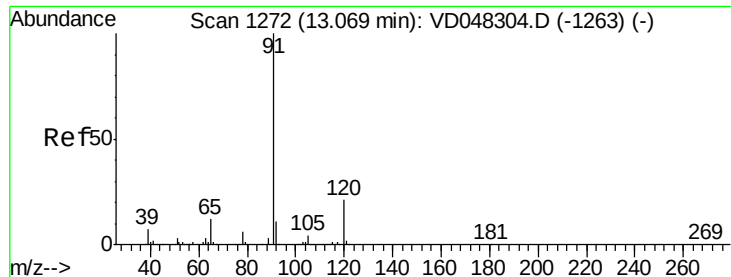


Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V





#77

n-propylbenzene

Concen: 19.40 ug/l

RT: 13.04 min Scan# 1269

Delta R.T. -0.03 min

Lab File: VD048321.D

Acq: 6 Jan 2016 14:53

Instrument :

BNA_F

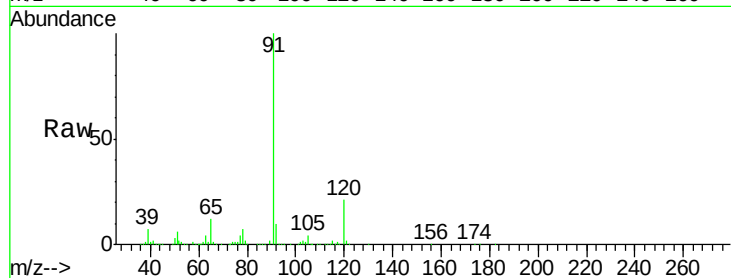
ClientSampleId :

Tot Ion: 91 Resp: 297950

Ion Ratio Lower Upper

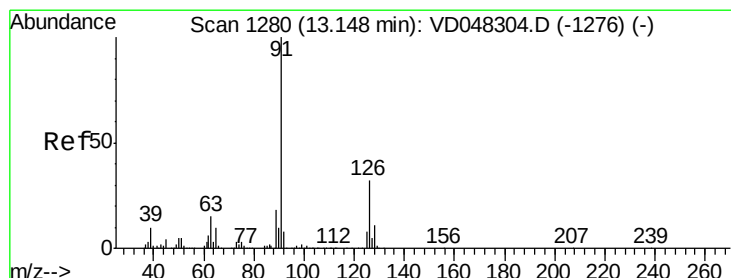
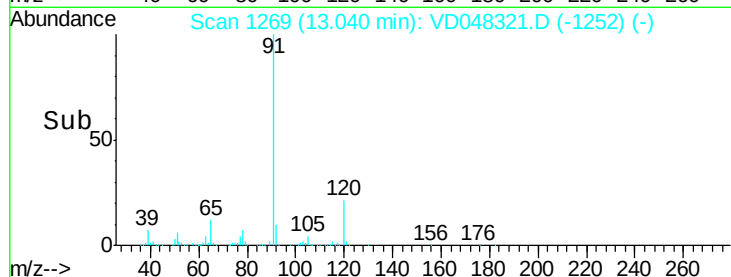
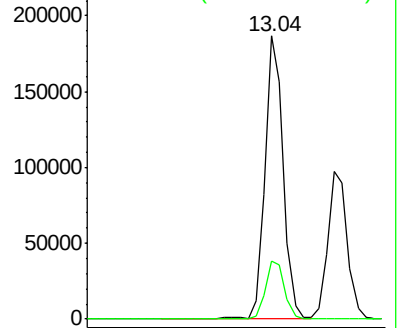
91 100

120 20.6 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: 19.01 ug/l

RT: 13.12 min Scan# 1277

Delta R.T. -0.03 min

Lab File: VD048321.D

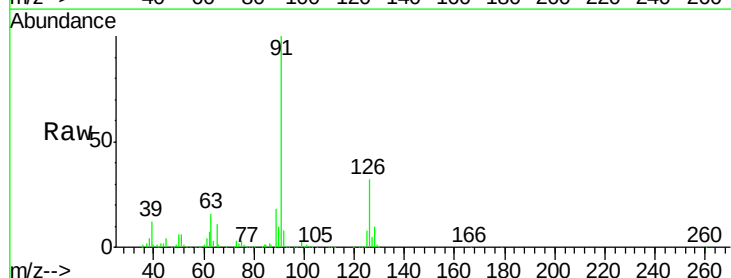
Acq: 6 Jan 2016 14:53

Tgt Ion: 91 Resp: 163234

Ion Ratio Lower Upper

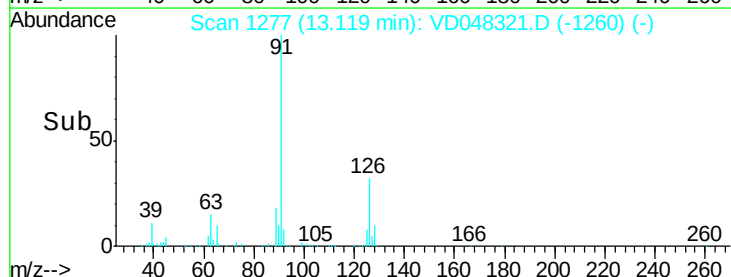
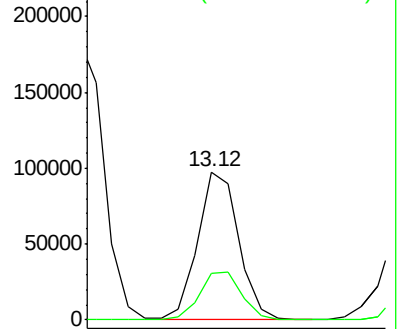
91 100

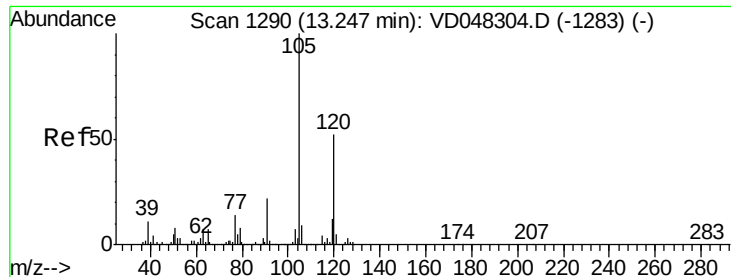
126 31.7 15.3 45.9



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: 19.88 ug/l

RT: 13.22 min Scan# 1287

Delta R.T. -0.03 min

Lab File: VD048321.D

Acq: 6 Jan 2016 14:53

Instrument :

BNA_F

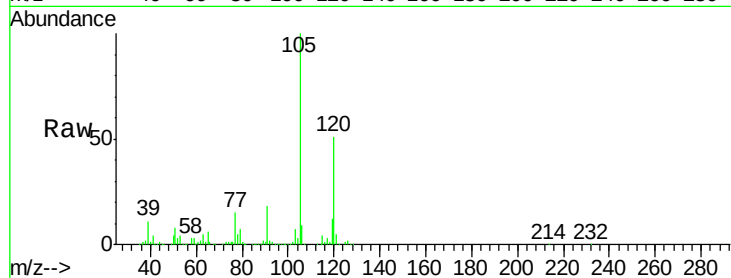
ClientSampleId :

Tot Ion:105 Resp: 184355

Ion Ratio Lower Upper

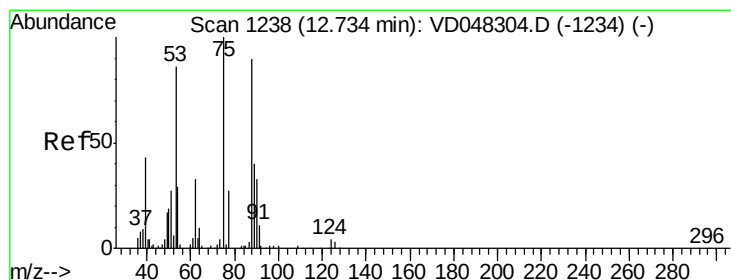
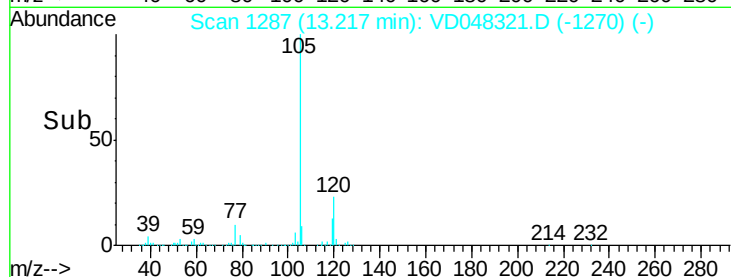
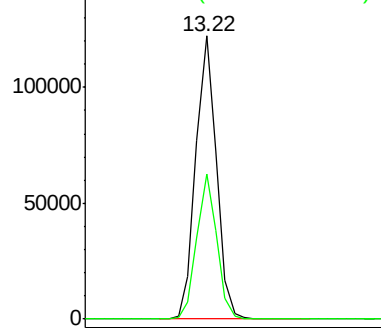
105 100

120 51.4 25.1 75.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#80

trans-1,4-Dichloro-2-butene

Concen: 20.59 ug/l

RT: 12.70 min Scan# 1235

Delta R.T. -0.03 min

Lab File: VD048321.D

Acq: 6 Jan 2016 14:53

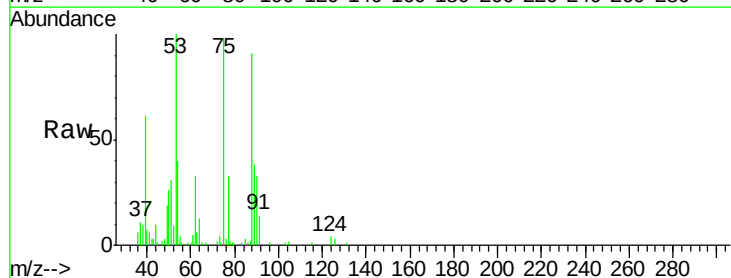
Tgt Ion: 75 Resp: 13589

Ion Ratio Lower Upper

75 100

53 102.2 77.8 116.8

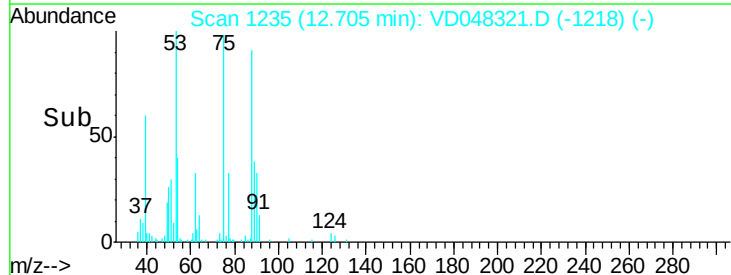
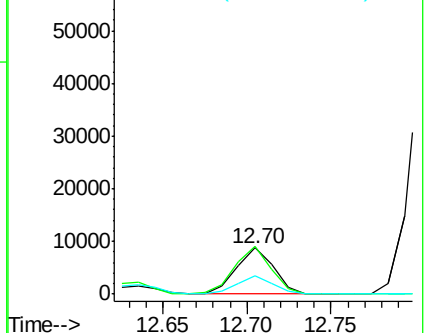
89 39.3 32.6 49.0

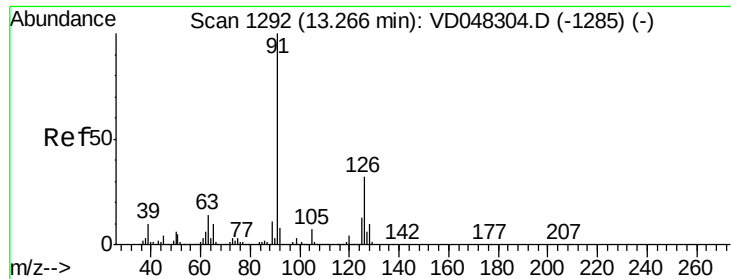


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC

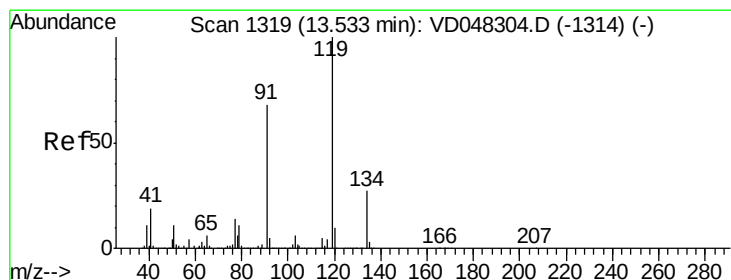
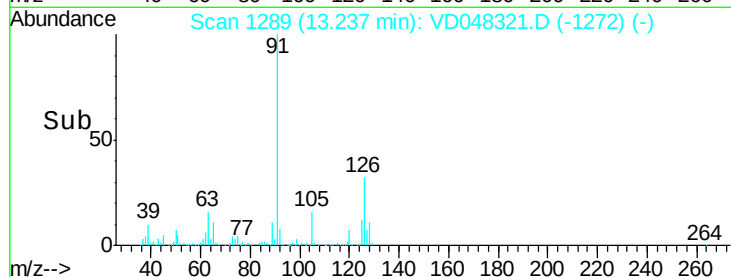
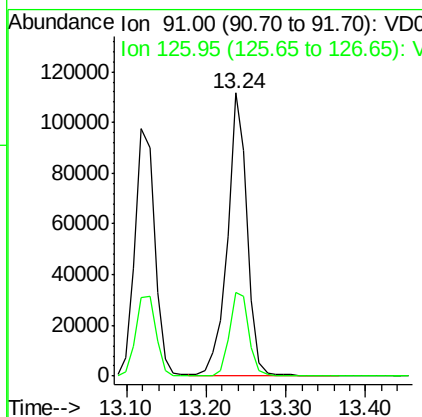
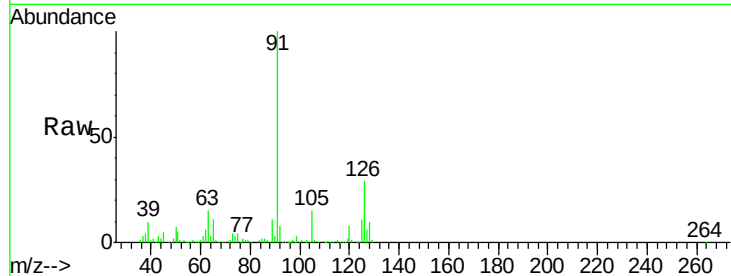




#81
4-Chlorotoluene
Concen: 19.51 ug/l
RT: 13.24 min Scan# 1289
Delta R.T. -0.03 min
Lab File: VD048321.D
Acq: 6 Jan 2016 14:53

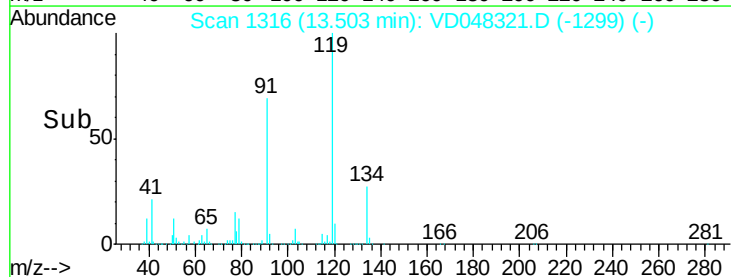
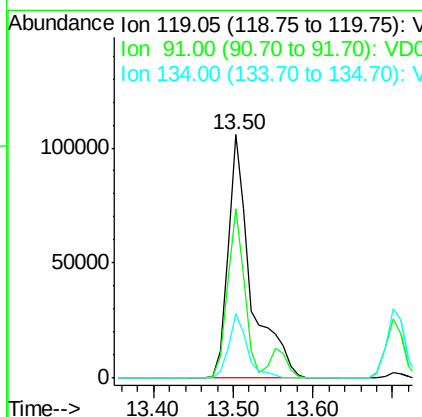
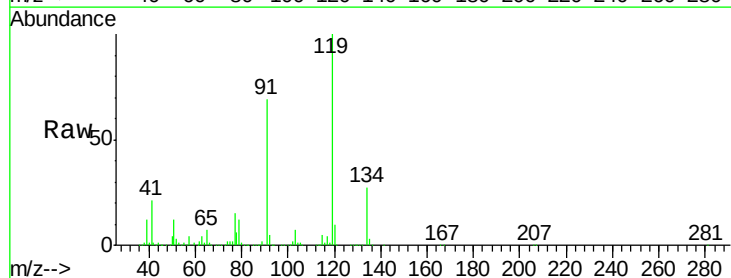
Instrument :
BNA_F
ClientSampleId :

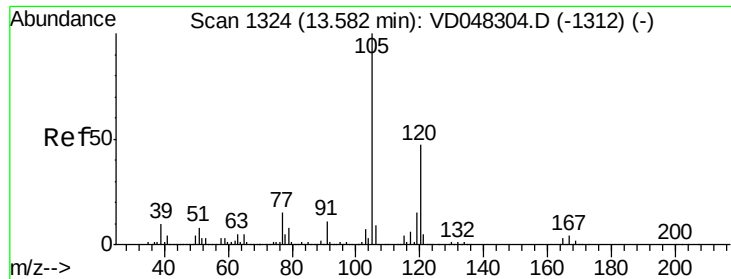
Tot Ion: 91 Resp: 193581
Ion Ratio Lower Upper
91 100
126 29.5 15.4 46.1



#82
tert-Butylbenzene
Concen: 23.79 ug/l
RT: 13.50 min Scan# 1316
Delta R.T. -0.03 min
Lab File: VD048321.D
Acq: 6 Jan 2016 14:53

Tgt Ion: 119 Resp: 213731
Ion Ratio Lower Upper
119 100
91 69.5 33.2 99.6
134 26.6 12.5 37.5

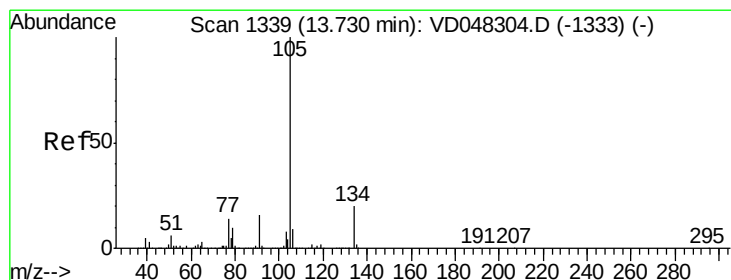
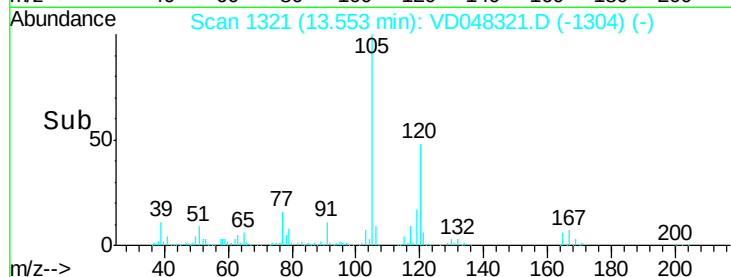
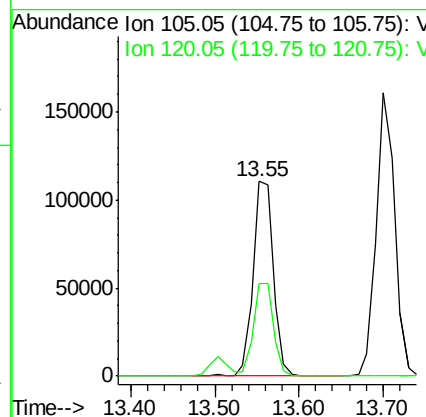
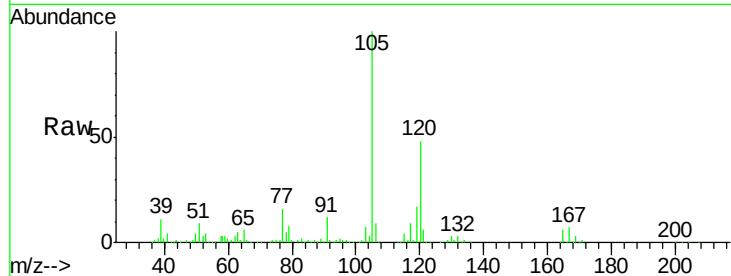




#83
 1,2,4-Trimethylbenzene
 Concen: 19.78 ug/l
 RT: 13.55 min Scan# 1321
 Delta R.T. -0.03 min
 Lab File: VD048321.D
 Acq: 6 Jan 2016 14:53

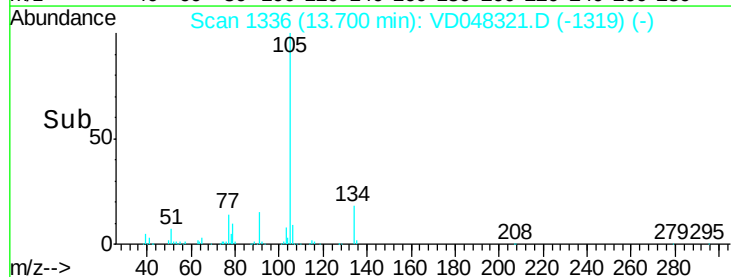
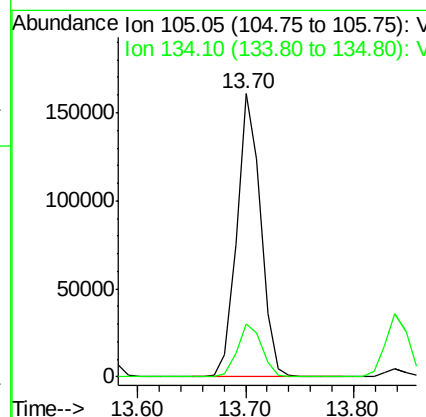
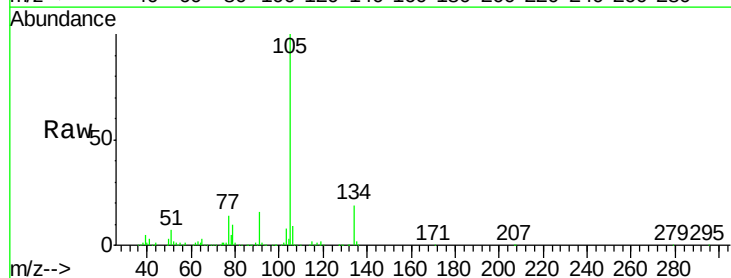
Instrument :
 BNA_F
 ClientSampleId :

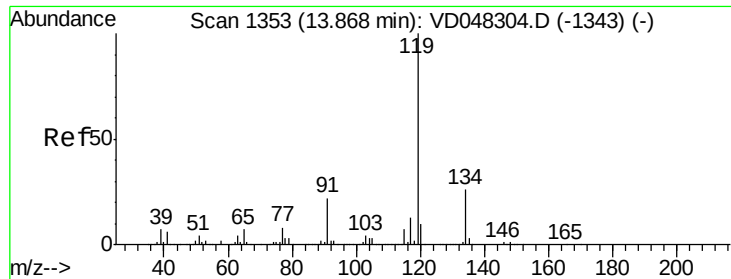
Tot Ion:105 Resp: 188822
 Ion Ratio Lower Upper
 105 100
 120 47.6 22.6 67.7



#84
 sec-Butylbenzene
 Concen: 19.22 ug/l
 RT: 13.70 min Scan# 1336
 Delta R.T. -0.03 min
 Lab File: VD048321.D
 Acq: 6 Jan 2016 14:53

Tgt Ion:105 Resp: 245018
 Ion Ratio Lower Upper
 105 100
 134 18.8 9.4 28.2

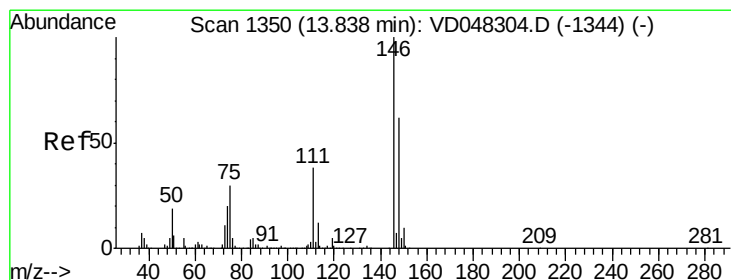
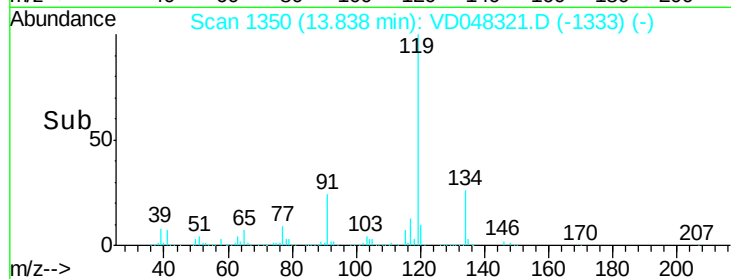
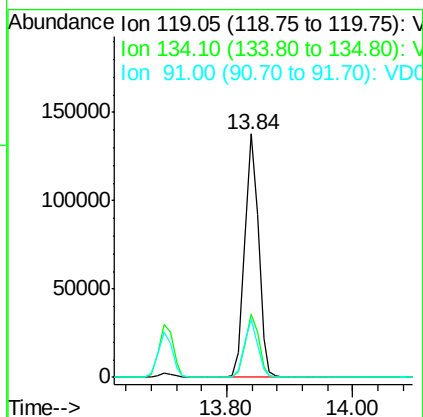
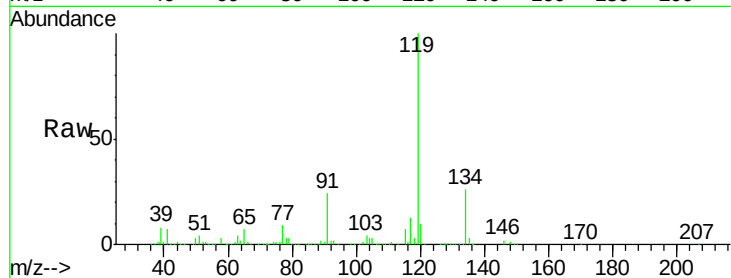




#85
 p-Isopropyltoluene
 Concen: 19.60 ug/l
 RT: 13.84 min Scan# 1350
 Delta R.T. -0.03 min
 Lab File: VD048321.D
 Acq: 6 Jan 2016 14:53

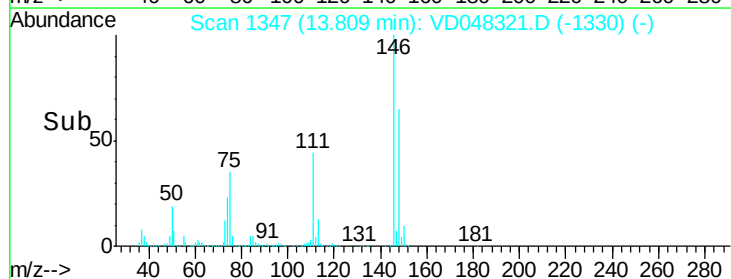
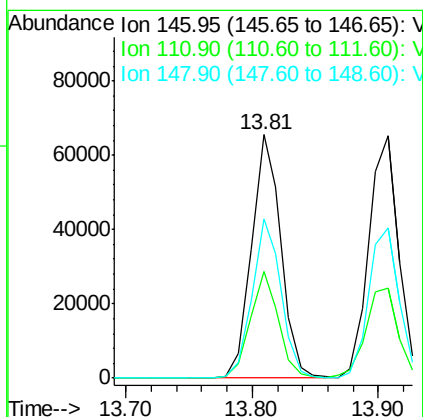
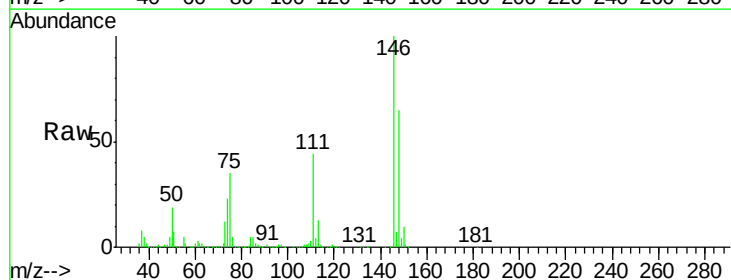
Instrument :
 BNA_F
 ClientSampleId :

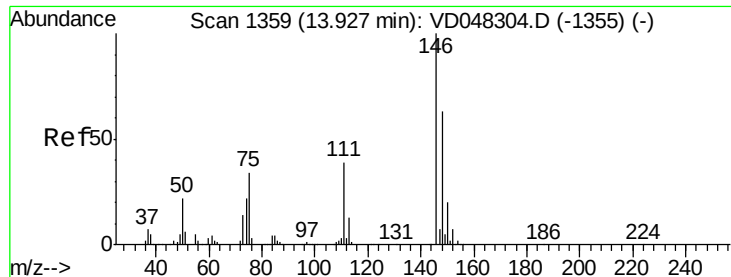
Tot Ion	Ratio	Lower	Upper
119	100		
134	25.8	12.5	37.5
91	23.6	11.2	33.5



#86
 1,3-Dichlorobenzene
 Concen: 19.89 ug/l
 RT: 13.81 min Scan# 1347
 Delta R.T. -0.03 min
 Lab File: VD048321.D
 Acq: 6 Jan 2016 14:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.8	20.5	61.6
148	65.2	31.4	94.0





#87

1,4-Dichlorobenzene

Concen: 20.14 ug/l

RT: 13.91 min Scan# 1357

Delta R.T. -0.02 min

Lab File: VD048321.D

Acq: 6 Jan 2016 14:53

Instrument :

BNA_F

ClientSampled :

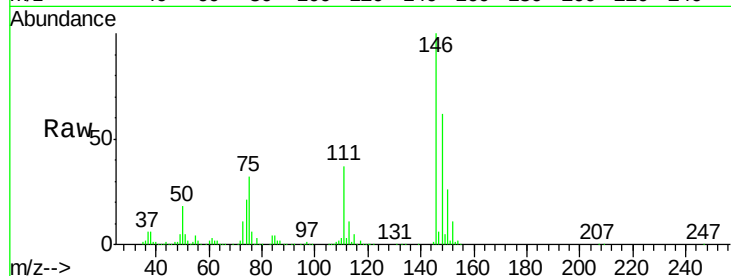
Tot Ion:146 Resp: 107204

Ion Ratio Lower Upper

146 100

111 37.2 18.4 55.2

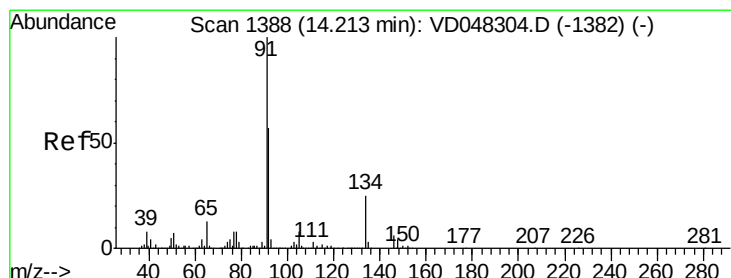
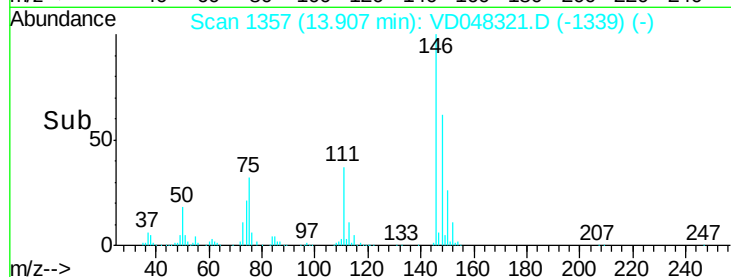
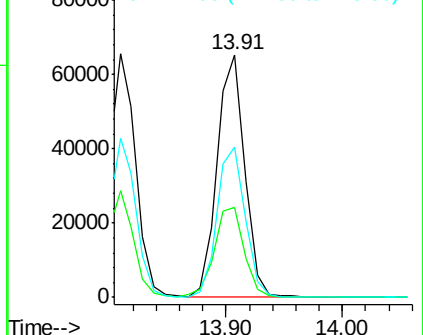
148 62.0 32.1 96.5



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: 19.04 ug/l

RT: 14.18 min Scan# 1385

Delta R.T. -0.03 min

Lab File: VD048321.D

Acq: 6 Jan 2016 14:53

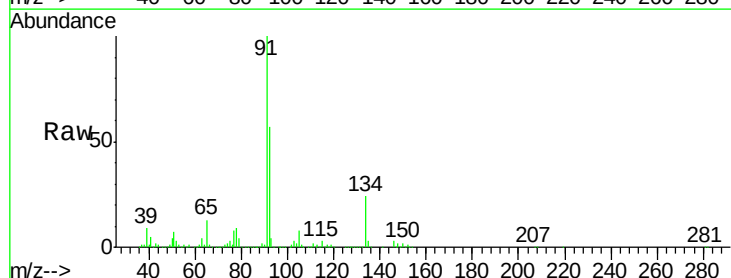
Tgt Ion: 91 Resp: 201891

Ion Ratio Lower Upper

91 100

92 57.5 28.8 86.5

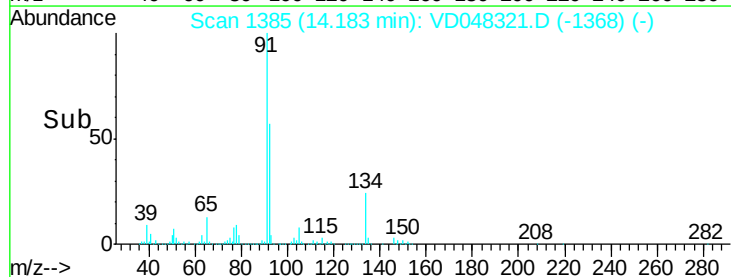
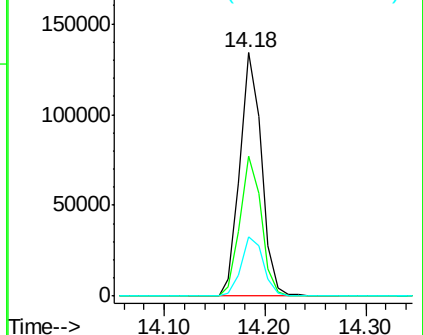
134 24.2 11.7 35.0

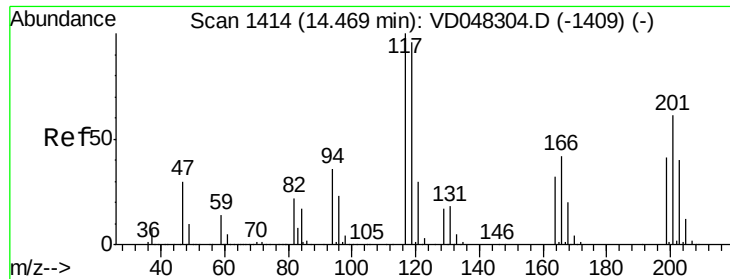


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V





#89

Hexachloroethane

Concen: 17.30 ug/l

RT: 14.44 min Scan# 1411

Delta R.T. -0.03 min

Lab File: VD048321.D

Acq: 6 Jan 2016 14:53

Instrument :

BNA_F

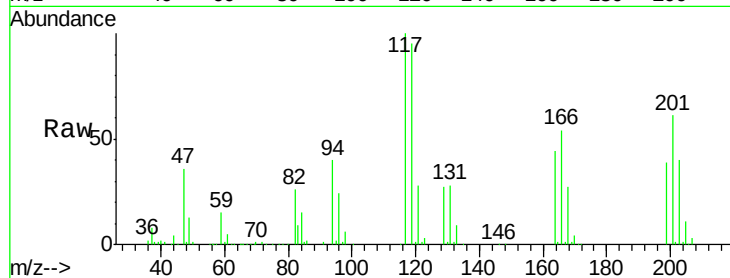
ClientSampleId :

Tot Ion:117 Resp: 37400

Ion Ratio Lower Upper

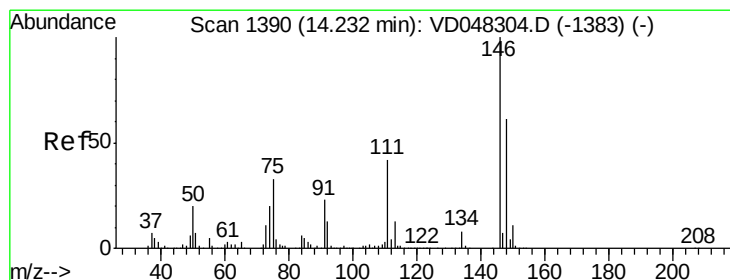
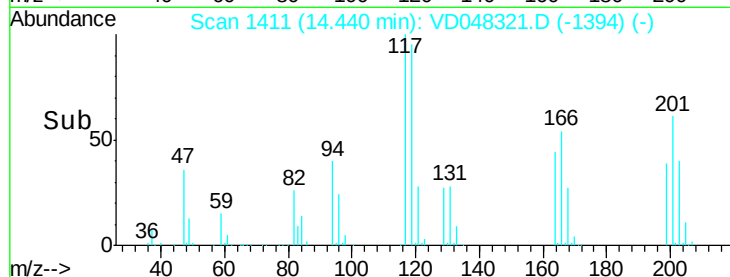
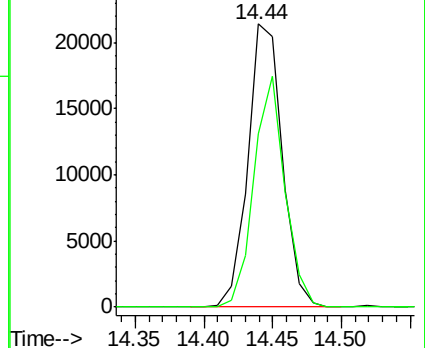
117 100

201 61.1 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: 20.22 ug/l

RT: 14.20 min Scan# 1387

Delta R.T. -0.03 min

Lab File: VD048321.D

Acq: 6 Jan 2016 14:53

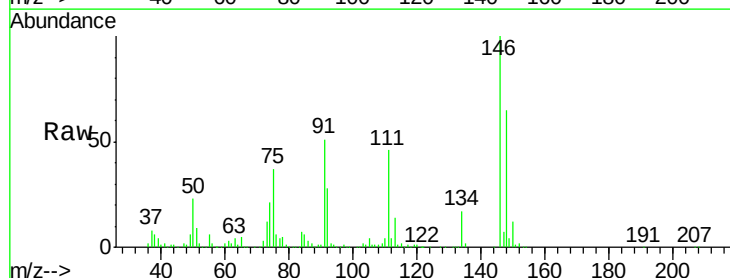
Tgt Ion:146 Resp: 94795

Ion Ratio Lower Upper

146 100

111 46.0 22.0 66.0

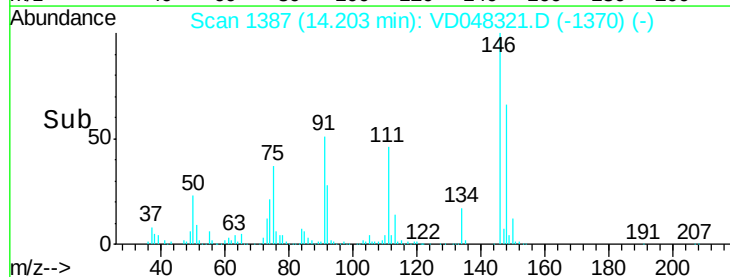
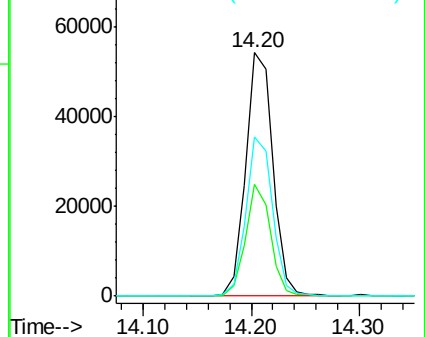
148 65.4 32.0 96.2

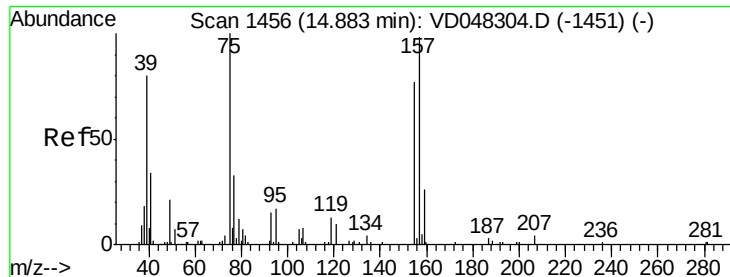


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

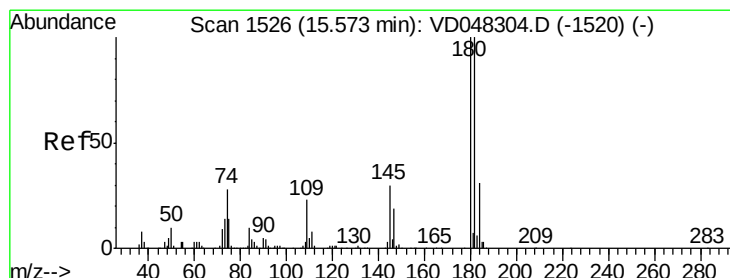
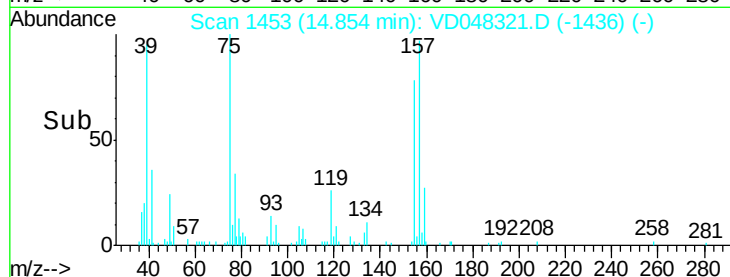
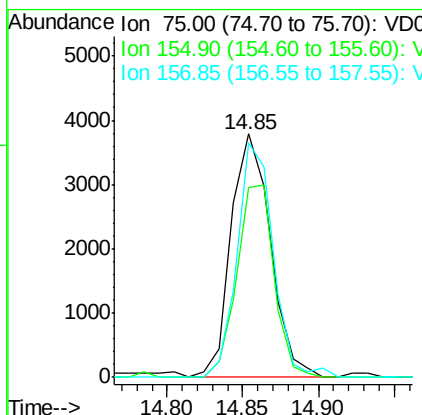
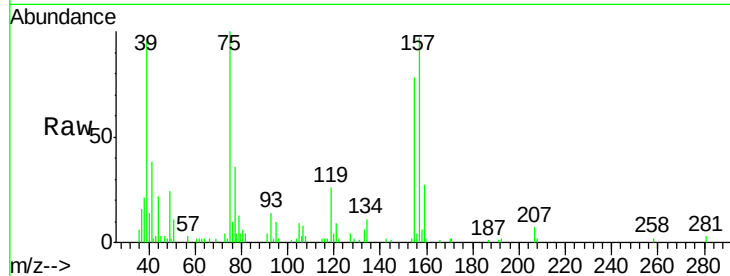




#91
 1,2-Dibromo-3-Chloropropane
 Concen: 23.91 ug/l
 RT: 14.85 min Scan# 1453
 Delta R.T. -0.03 min
 Lab File: VD048321.D
 Acq: 6 Jan 2016 14:53

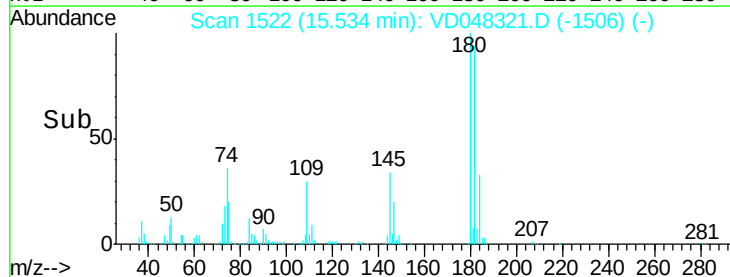
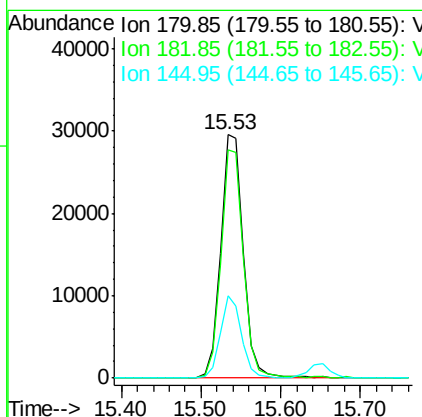
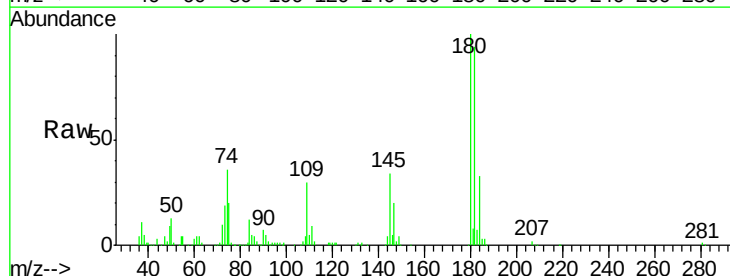
Instrument :
 BNA_F
 ClientSampleId :

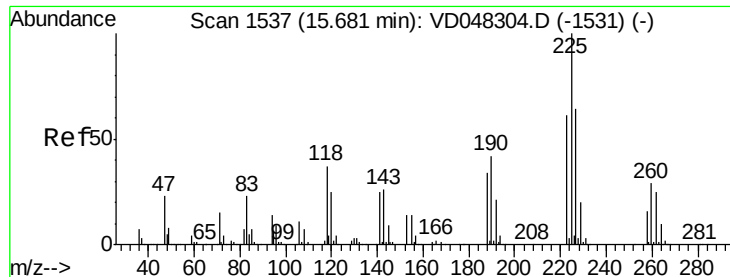
Tot Ion: 75 Resp: 6884
 Ion Ratio Lower Upper
 75 100
 155 77.8 38.2 114.6
 157 96.6 50.5 151.6



#92
 1,2,4-Trichlorobenzene
 Concen: 21.05 ug/l
 RT: 15.53 min Scan# 1522
 Delta R.T. -0.04 min
 Lab File: VD048321.D
 Acq: 6 Jan 2016 14:53

Tgt Ion: 180 Resp: 59241
 Ion Ratio Lower Upper
 180 100
 182 93.7 46.6 139.8
 145 33.8 14.9 44.7

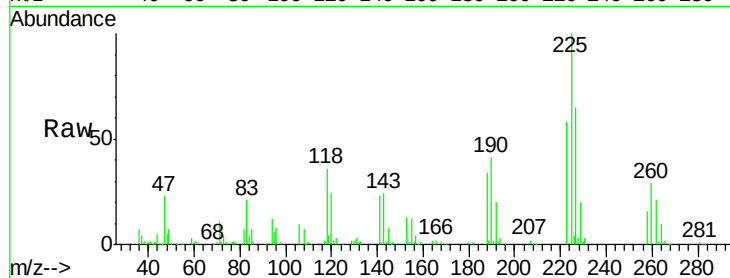




#93
Hexachlorobutadiene
Concen: 19.95 ug/l
RT: 15.65 min Scan# 1534
Delta R.T. -0.03 min
Lab File: VD048321.D
Acq: 6 Jan 2016 14:53

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
225	100		
223	57.7	31.8	95.3
227	64.8	30.4	91.2

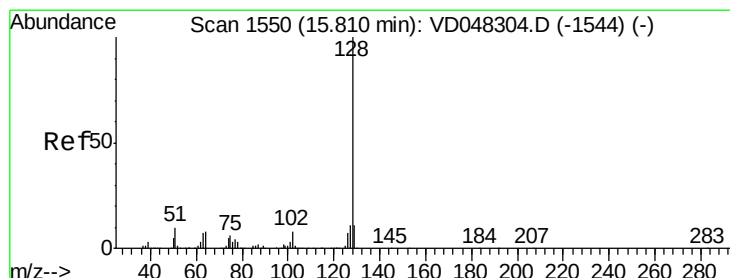
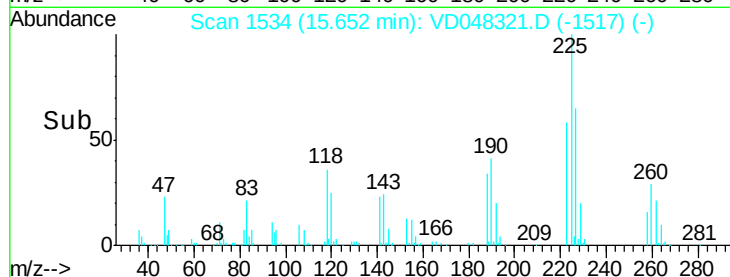
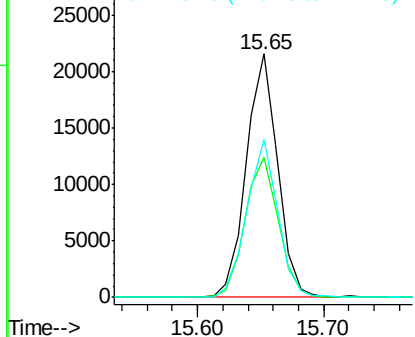


Abundance

Ion 224.75 (224.45 to 225.45): V

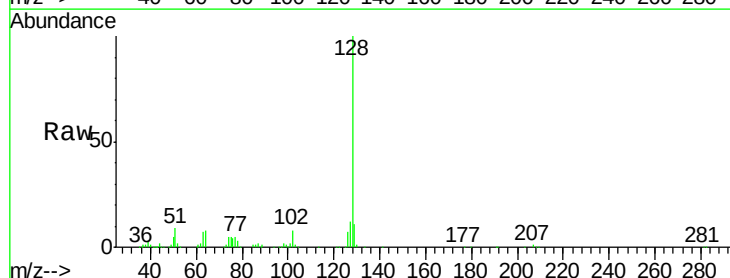
Ion 222.75 (222.45 to 223.45): V

Ion 226.75 (226.45 to 227.45): V



#94
Naphthalene
Concen: 23.10 ug/l
RT: 15.78 min Scan# 1547
Delta R.T. -0.03 min
Lab File: VD048321.D
Acq: 6 Jan 2016 14:53

Tgt Ion	Ratio	Lower	Upper
128	100		
127	11.6	9.7	14.5
129	11.2	8.2	12.2

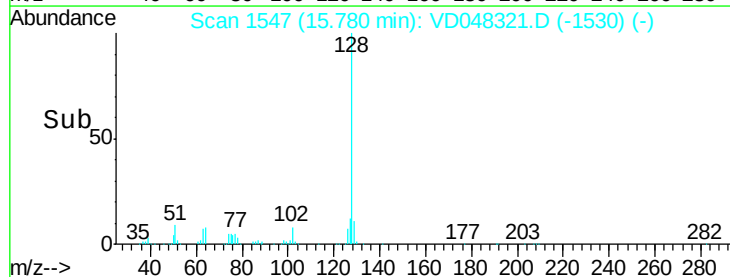
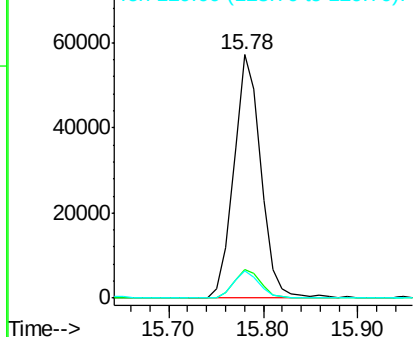


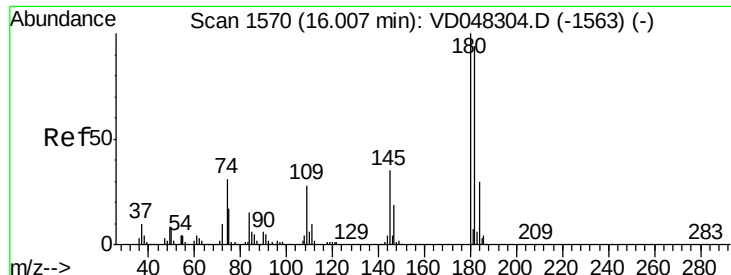
Abundance

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

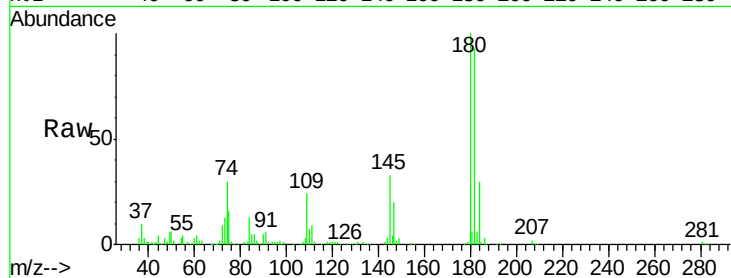




#95
 1,2,3-Trichlorobenzene
 Concen: 22.26 ug/l
 RT: 15.98 min Scan# 1567
 Delta R.T. -0.03 min
 Lab File: VD048321.D
 Acq: 6 Jan 2016 14:53

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.3	49.0	147.0
145	33.1	16.8	50.3



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

