

Data Path : W:\HPCHEM1\MSVOA D\DATA\VD010616\
 Data File : VD048325.D
 Acq On : 6 Jan 2016 16:38
 Operator : FY/SY
 Sample : VD0106SBS05
 Misc : 5.00µg/5ml/MSVOA D/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 07 04:29:20 2016
 Quant Method : W:\HPCHEM1\MSVOA_D\METHOD\82D010416S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 04 14:08:32 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.25	168	192671	50.00	ug/l	-0.04
33) 1,4-Difluorobenzene	7.38	114	347302	50.00	ug/l	-0.04
62) Chlorobenzene-d5	11.54	117	349932	50.00	ug/l	-0.03
71) 1,4-Dichlorobenzene-d4	13.88	152	155456	50.00	ug/l	-0.03

System Monitoring Compounds

32) 1,2-Dichloroethane-d4	6.67	65	133378	56.48	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	112.96%	
34) Dibromofluoromethane	6.16	113	124104	52.92	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	105.84%	
49) Toluene-d8	9.56	98	398924	51.46	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	102.92%	
61) 4-Bromofluorobenzene	12.81	95	172540	51.25	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	102.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.40	85	50050	20.08	ug/l	93
3) Chloromethane	1.57	50	27113	17.75	ug/l	97
4) Vinyl Chloride	1.66	62	25958	18.42	ug/l	99
5) Bromomethane	1.93	94	18223	19.71	ug/l	95
6) Chloroethane	2.05	64	15248	18.84	ug/l	100
7) Trichlorofluoromethane	2.29	101	61561	19.64	ug/l	97
8) Diethyl Ether	2.60	74	20933	22.91	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	2.85	101	40671	19.54	ug/l	99
10) Methyl Iodide	3.01	142	34177	22.28	ug/l	95
11) Tert butyl alcohol	3.64	59	13629	118.71	ug/l	99
12) 1,1-Dichloroethene	2.84	96	34660	19.39	ug/l	93
13) Acrolein	2.74	56	21621	117.61	ug/l	95
14) Allyl chloride	3.29	41	69102	18.96	ug/l	96
15) Acrylonitrile	3.79	53	46542	123.51	ug/l	96
16) Acetone	2.91	43	53271	106.49	ug/l	96
17) Carbon Disulfide	3.09	76	118120	18.77	ug/l	99
18) Methyl Acetate	3.29	43	31784	25.27	ug/l #	85
19) Methyl tert-butyl Ether	3.85	73	90009	23.36	ug/l	96
20) Methylene Chloride	3.46	84	49070	20.70	ug/l	94
21) trans-1,2-Dichloroethene	3.84	96	37871	19.16	ug/l	95
22) Diisopropyl ether	4.60	45	145751	21.18	ug/l	93
23) Vinyl Acetate	4.55	43	423867	124.80	ug/l	100
24) 1,1-Dichloroethane	4.51	63	78217	19.52	ug/l	99
25) 2-Butanone	5.39	43	73727	134.49	ug/l	97
26) 2,2-Dichloropropane	5.37	77	70831	18.99	ug/l	94
27) cis-1,2-Dichloroethene	5.37	96	47482	20.62	ug/l	99
28) Bromochloromethane	5.74	49	33960	20.36	ug/l	93
29) Chloroform	5.92	83	92094	20.94	ug/l	99
30) Cyclohexane	6.22	56	63000	18.86	ug/l	94
31) 1,1,1-Trichloroethane	6.13	97	66639	19.47	ug/l	97
35) 1,1-Dichloropropene	6.38	75	67588	19.56	ug/l	97
36) Ethyl Acetate	5.49	43	34177	22.39	ug/l	98
37) Carbon Tetrachloride	6.36	117	57821	18.79	ug/l	96
38) Methylcyclohexane	8.04	83	69249	18.62	ug/l	94

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 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 07 04:29:20 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	183286	19.90	ug/l	99
40) Methacrylonitrile	5.71	41	21011	23.48	ug/l	98
41) 1,2-Dichloroethane	6.78	62	63040	21.79	ug/l	99
42) Isopropyl Acetate	8.36	43	55047	25.38	ug/l #	98
43) Trichloroethene	7.70	130	50889	19.60	ug/l	94
44) 1,2-Dichloropropane	8.10	63	53653	20.99	ug/l	92
45) Dibromomethane	8.22	93	32045	23.02	ug/l	96
46) Bromodichloromethane	8.51	83	69964	21.05	ug/l	100
47) Methyl methacrylate	8.03	41	36352	17.60	ug/l	95
48) 1,4-Dioxane	8.24	88	7391	589.90	ug/l	91
50) 4-Methyl-2-Pentanone	9.44	43	192457	133.45	ug/l	97
51) Toluene	9.67	92	113634	20.21	ug/l	97
52) t-1,3-Dichloropropene	10.08	75	68484	21.60	ug/l	100
53) cis-1,3-Dichloropropene	9.18	75	83706	21.19	ug/l	96
54) 1,1,2-Trichloroethane	10.35	97	39994	22.77	ug/l	98
55) Ethyl methacrylate	10.19	69	53001	24.77	ug/l	98
56) 1,3-Dichloropropane	10.57	76	81447	23.27	ug/l	99
57) 2-Chloroethyl Vinyl ether	8.98	63	131744	105.76	ug/l	99
58) 2-Hexanone	10.67	43	142747	140.90	ug/l	96
59) Dibromochloromethane	10.85	129	50480	21.69	ug/l	96
60) 1,2-Dibromoethane	10.97	107	42059	22.35	ug/l	97
63) Tetrachloroethene	10.43	164	42445	19.58	ug/l	97
64) Chlorobenzene	11.57	112	144230	20.68	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.68	131	50675	20.37	ug/l	95
66) Ethyl Benzene	11.69	91	246458	19.97	ug/l	99
67) m/p-Xylenes	11.84	106	176980	40.49	ug/l	94
68) o-Xylene	12.26	106	86950	20.68	ug/l	97
69) Stvrene	12.27	104	141025	20.97	ug/l	95
70) Bromoform	12.47	173	26429	21.67	ug/l #	96
72) Isopropylbenzene	12.64	105	235806	19.87	ug/l	99
73) N-amyl acetate	12.47	43	82756	24.73	ug/l	98
74) 1,1,2,2-Tetrachloroethane	12.96	83	52895	24.01	ug/l	99
75) 1,2,3-Trichloropropane	12.99	75	58334	23.66	ug/l	99
76) Bromobenzene	12.95	156	58869	21.24	ug/l	88
77) n-propylbenzene	13.04	91	307119	20.08	ug/l	100
78) 2-Chlorotoluene	13.12	91	171708	20.08	ug/l	99
79) 1,3,5-Trimethylbenzene	13.22	105	185955	20.13	ug/l	99
80) trans-1,4-Dichloro-2-buten	12.71	75	14247	21.49	ug/l	96
81) 4-Chlorotoluene	13.24	91	197991	20.04	ug/l	98
82) tert-Butylbenzene	13.51	119	218050	24.36	ug/l	98
83) 1,2,4-Trimethylbenzene	13.56	105	188353	19.81	ug/l	96
84) sec-Butylbenzene	13.70	105	245814	19.36	ug/l	97
85) p-Isopropyltoluene	13.84	119	207345	19.63	ug/l	99
86) 1,3-Dichlorobenzene	13.81	146	106812	20.11	ug/l	99
87) 1,4-Dichlorobenzene	13.90	146	107447	20.27	ug/l	97
88) n-Butylbenzene	14.19	91	199019	18.84	ug/l	99
89) Hexachloroethane	14.44	117	38593	17.93	ug/l	93
90) 1,2-Dichlorobenzene	14.21	146	97065	20.79	ug/l	97
91) 1,2-Dibromo-3-Chloropropan	14.86	75	6606	23.04	ug/l	94
92) 1,2,4-Trichlorobenzene	15.54	180	59816	21.34	ug/l	98

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Instrument :
BNA_F
ClientSampleId :

Quant Time: Jan 07 04:29:20 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

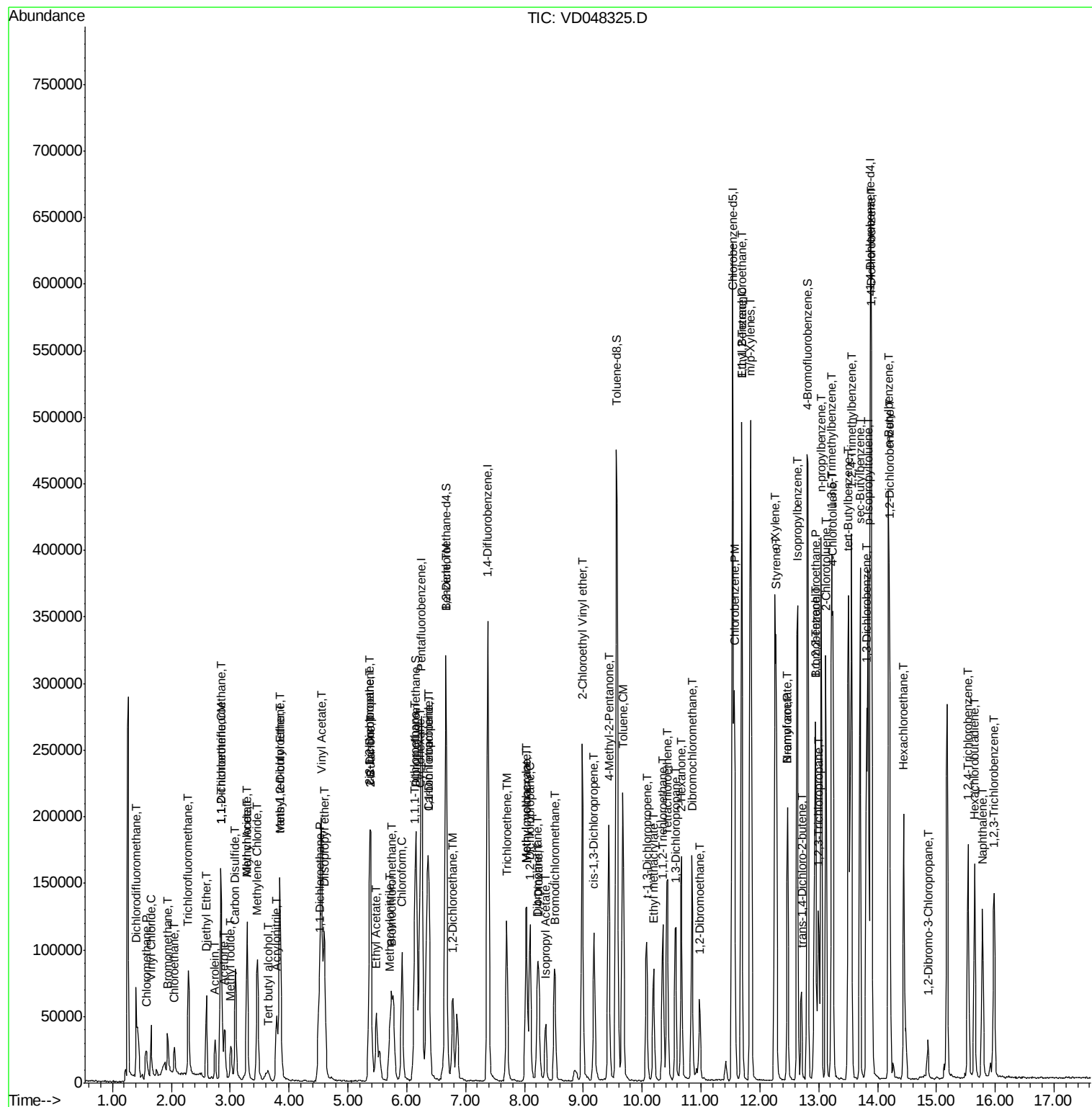
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Hexachlorobutadiene	15.66	225	35824	19.29	ug/l	95
94) Naphthalene	15.78	128	117754	24.03	ug/l	97
95) 1,2,3-Trichlorobenzene	15.98	180	52444	22.82	ug/l	93

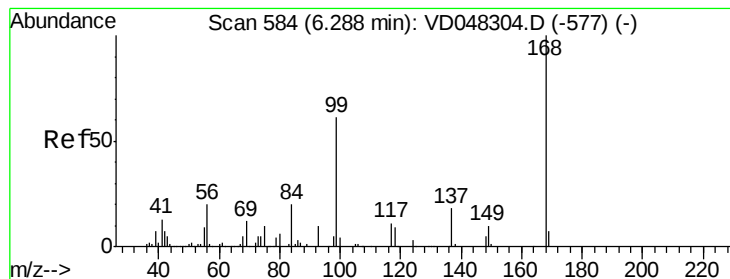
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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 Acq On : 6 Jan 2016 16:38
 Operator : FY/SY
 Sample : VD0106SBS05
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 07 04:29:20 2016
 Quant Method : W:\HPCHEM1\MSVOA_D\METHOD\82D010416S.M
 Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.25 min Scan# 581

Delta R.T. -0.04 min

Lab File: VD048325.D

Acq: 6 Jan 2016 16:38

Instrument :

BNA_F

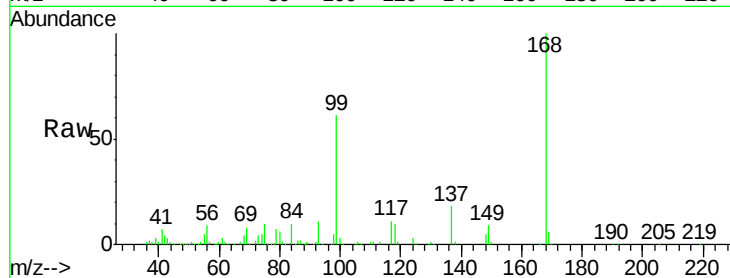
ClientSampleId :

Tot Ion:168 Resp: 192671

Ion Ratio Lower Upper

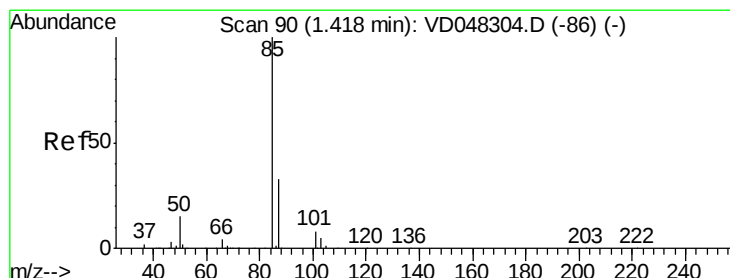
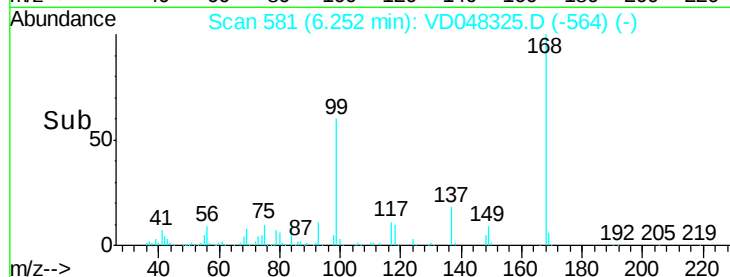
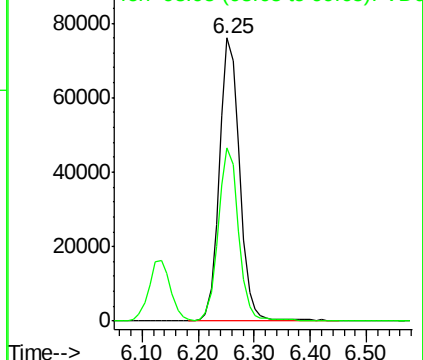
168 100

99 61.2 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: 20.08 ug/l

RT: 1.40 min Scan# 89

Delta R.T. -0.02 min

Lab File: VD048325.D

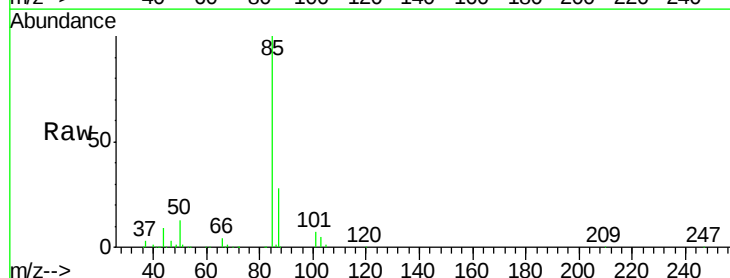
Acq: 6 Jan 2016 16:38

Tgt Ion: 85 Resp: 50050

Ion Ratio Lower Upper

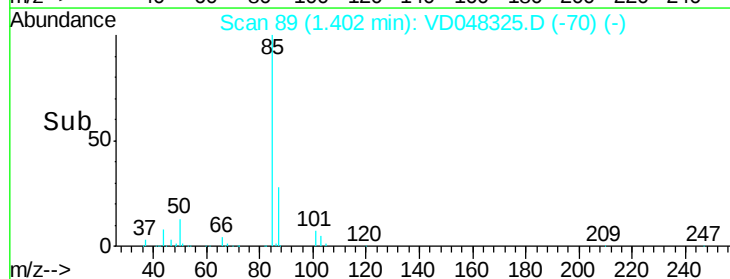
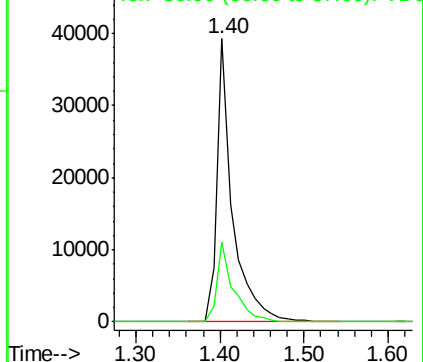
85 100

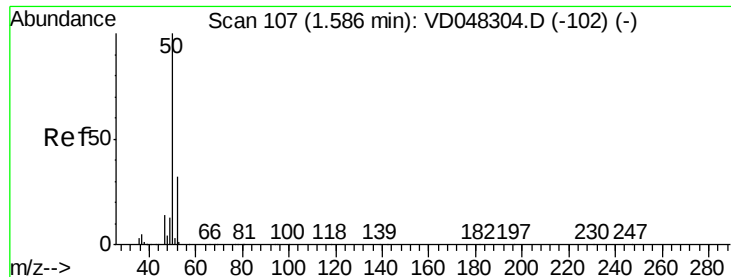
87 28.1 16.1 48.2



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 17.75 ug/l

RT: 1.57 min Scan# 106

Delta R.T. -0.02 min

Lab File: VD048325.D

Acq: 6 Jan 2016 16:38

Instrument :

BNA_F

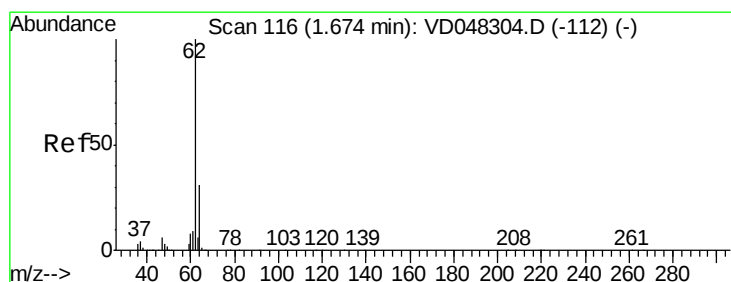
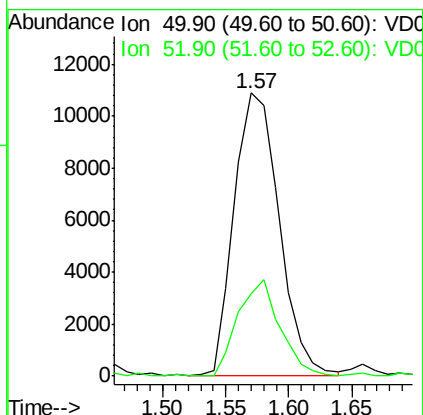
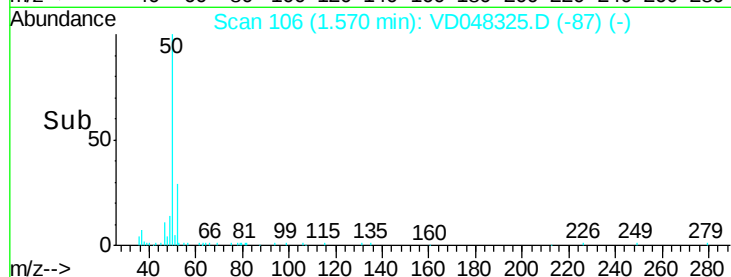
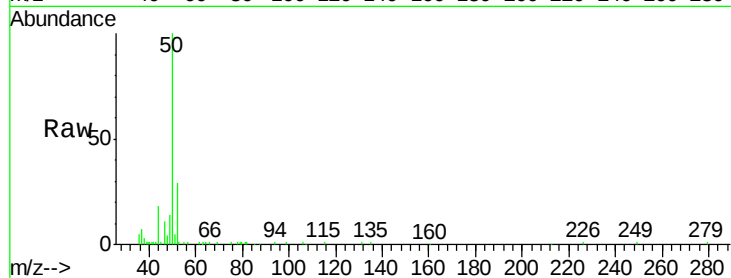
ClientSampleId :

Tot Ion: 50 Resp: 27113

Ion Ratio Lower Upper

50 100

52 29.1 24.4 36.6



#4

Vinyl Chloride

Concen: 18.42 ug/l

RT: 1.66 min Scan# 115

Delta R.T. -0.02 min

Lab File: VD048325.D

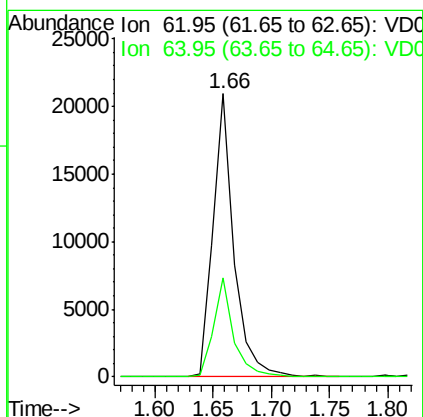
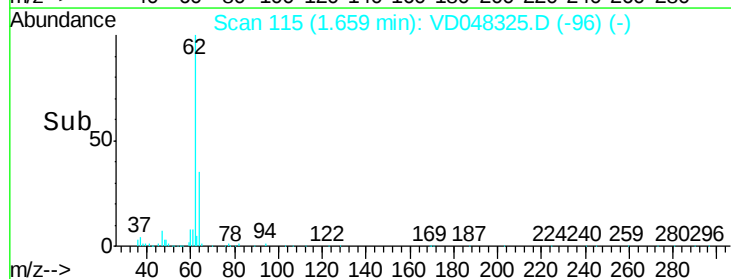
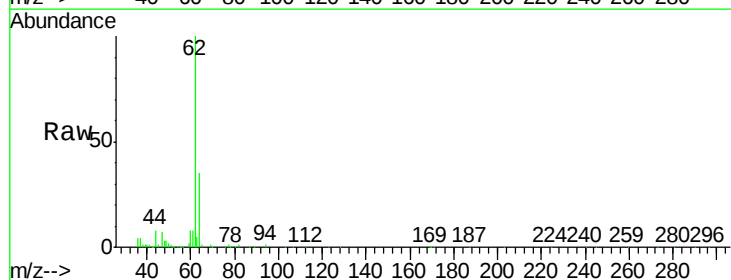
Acq: 6 Jan 2016 16:38

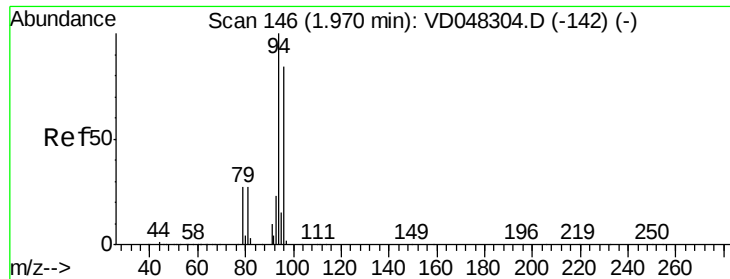
Tgt Ion: 62 Resp: 25958

Ion Ratio Lower Upper

62 100

64 35.2 27.5 41.3





#5

Bromomethane

Concen: 19.71 ug/l

RT: 1.93 min Scan# 143

Delta R.T. -0.04 min

Lab File: VD048325.D

Acq: 6 Jan 2016 16:38

Instrument :

BNA_F

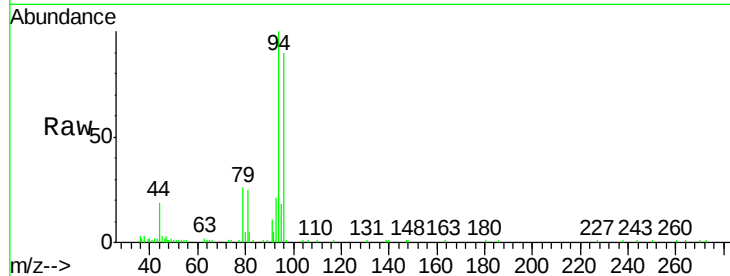
ClientSampleId :

Tot Ion: 94 Resp: 18223

Ion Ratio Lower Upper

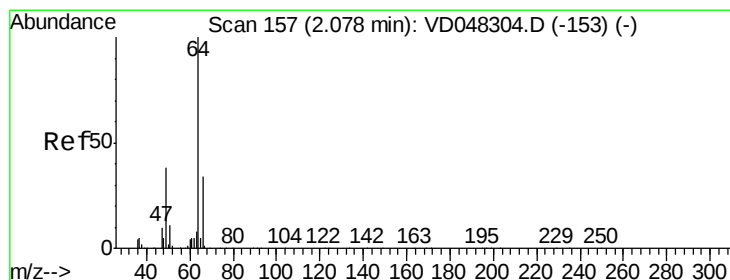
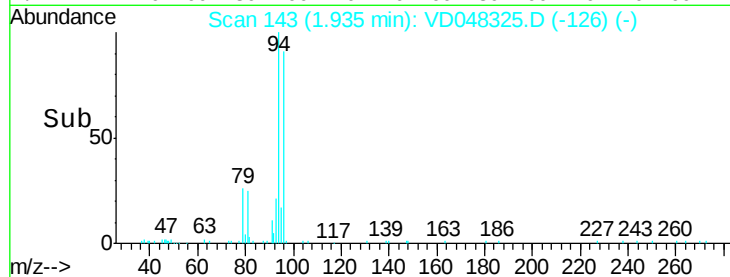
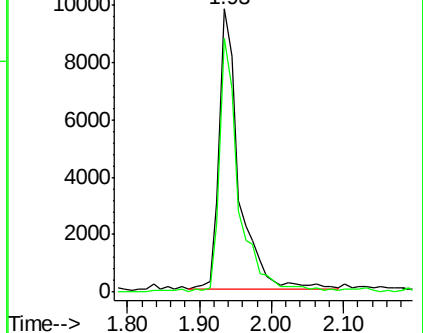
94 100

96 89.8 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: 18.84 ug/l

RT: 2.05 min Scan# 155

Delta R.T. -0.03 min

Lab File: VD048325.D

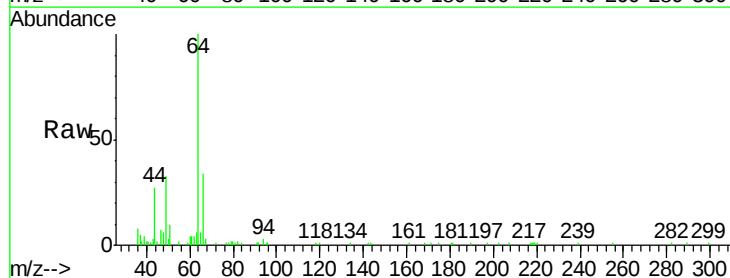
Acq: 6 Jan 2016 16:38

Tgt Ion: 64 Resp: 15248

Ion Ratio Lower Upper

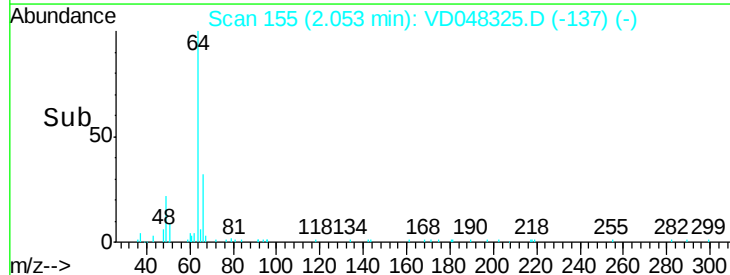
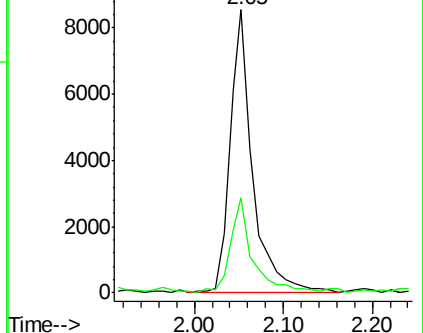
64 100

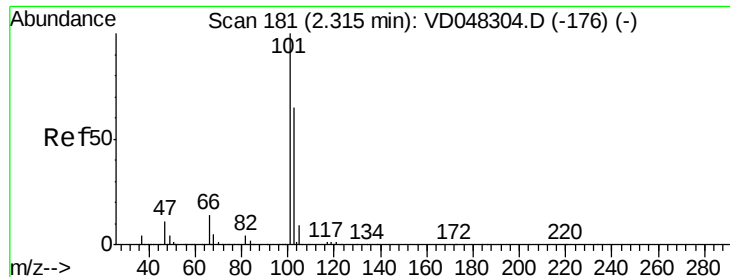
66 33.6 27.0 40.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



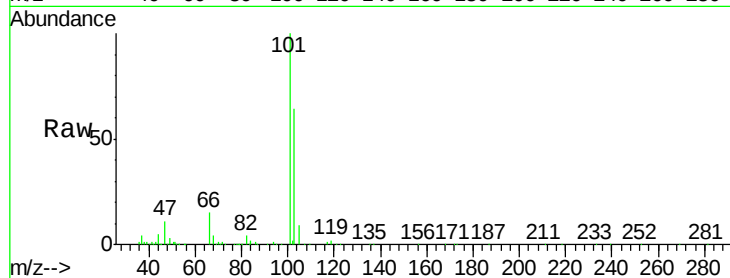


#7

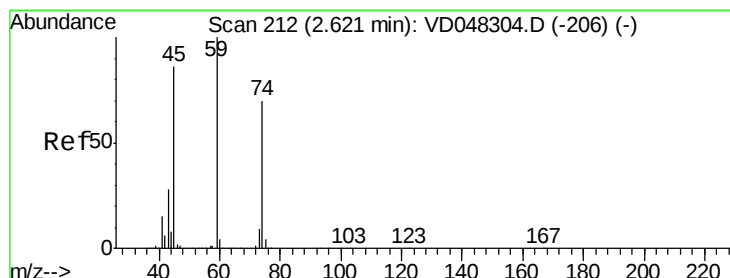
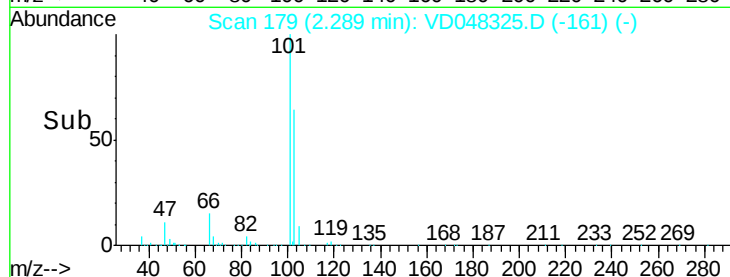
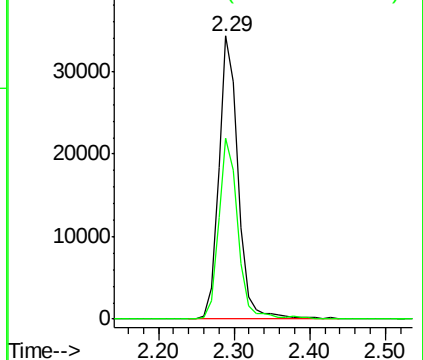
Trichlorofluoromethane
Concen: 19.64 ug/l
RT: 2.29 min Scan# 179
Delta R.T. -0.03 min
Lab File: VD048325.D
Acq: 6 Jan 2016 16:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion:101 Resp: 61561
Ion Ratio Lower Upper
101 100
103 63.9 49.4 74.0



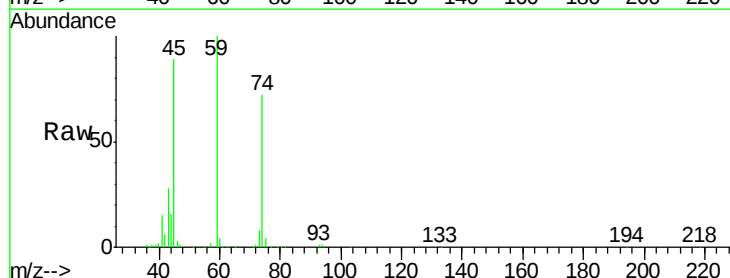
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



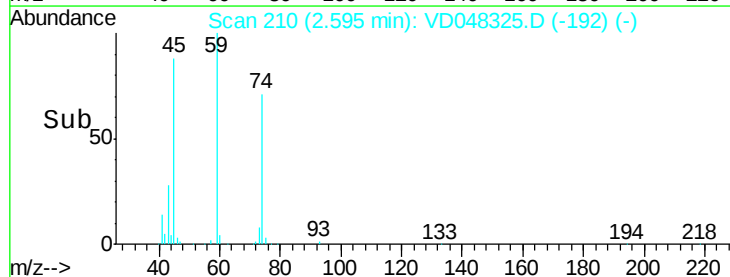
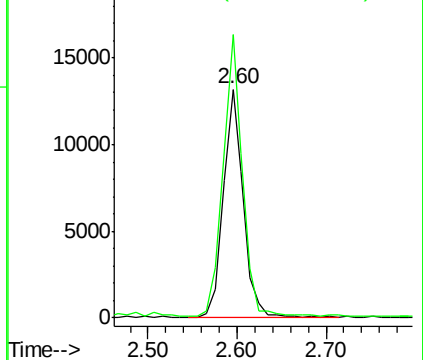
#8

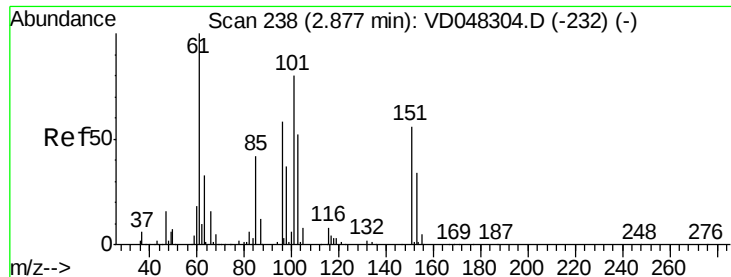
Diethyl Ether
Concen: 22.91 ug/l
RT: 2.60 min Scan# 210
Delta R.T. -0.03 min
Lab File: VD048325.D
Acq: 6 Jan 2016 16:38

Tgt Ion: 74 Resp: 20933
Ion Ratio Lower Upper
74 100
45 123.7 56.9 170.6



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.54 ug/l

RT: 2.85 min Scan# 236

Delta R.T. -0.03 min

Lab File: VD048325.D

Acq: 6 Jan 2016 16:38

Instrument :

BNA_F

ClientSampled :

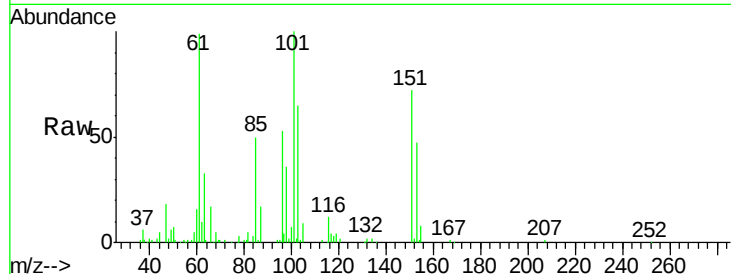
Tot Ion:101 Resp: 40671

Ion Ratio Lower Upper

101 100

85 50.2 41.0 61.4

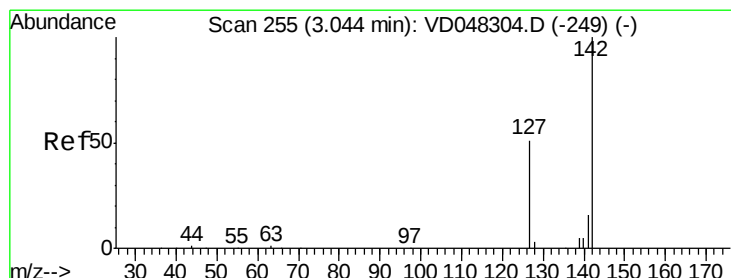
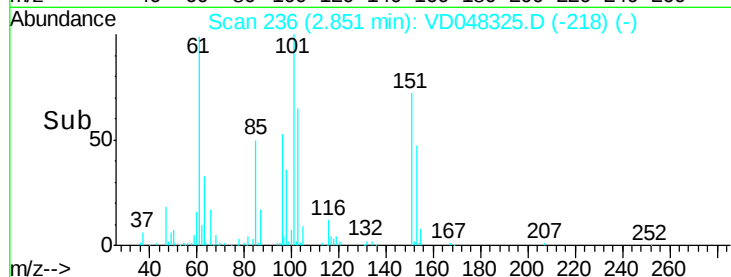
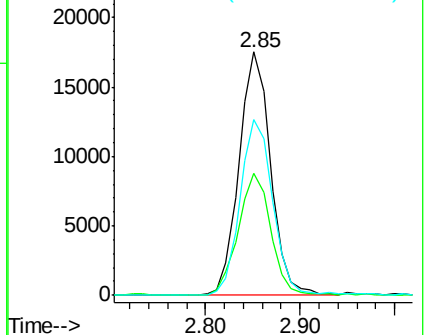
151 72.0 58.0 87.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 22.28 ug/l

RT: 3.01 min Scan# 252

Delta R.T. -0.03 min

Lab File: VD048325.D

Acq: 6 Jan 2016 16:38

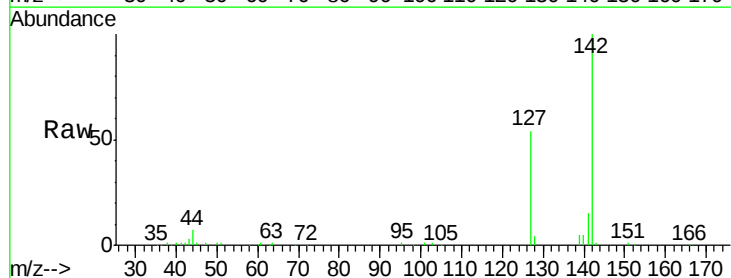
Tgt Ion:142 Resp: 34177

Ion Ratio Lower Upper

142 100

127 54.2 40.6 61.0

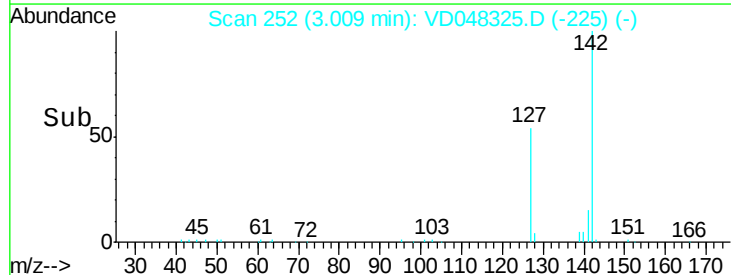
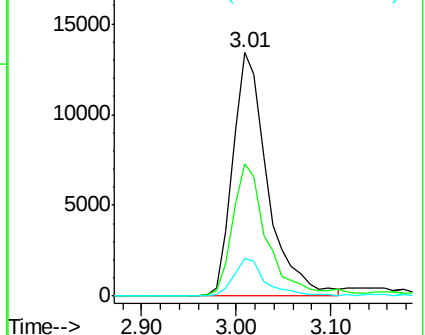
141 15.3 11.1 16.7

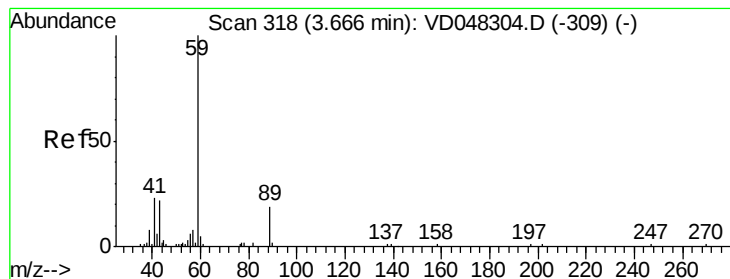


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



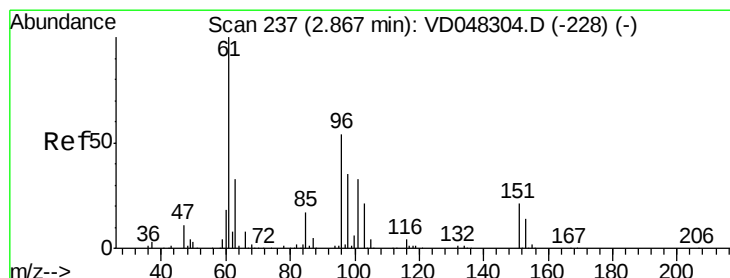
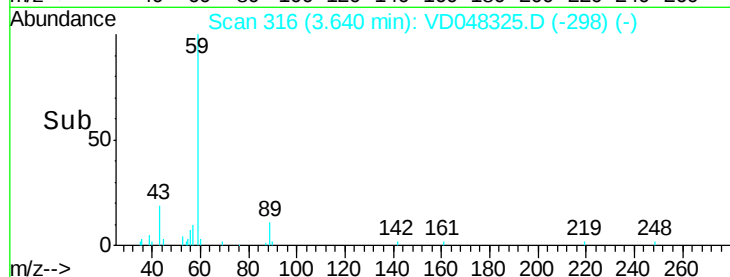
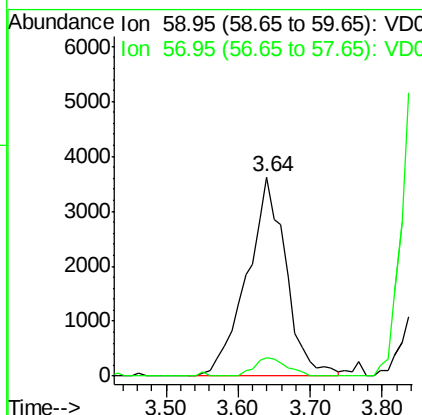
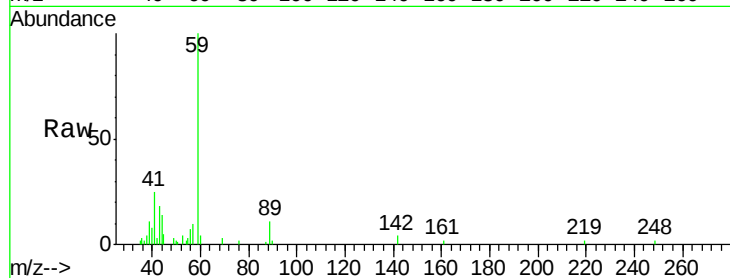


#11

Tert butyl alcohol
Concen: 118.71 ug/l
RT: 3.64 min Scan# 316
Delta R.T. -0.03 min
Lab File: VD048325.D
Acq: 6 Jan 2016 16:38

Instrument :
BNA_F
ClientSampled :

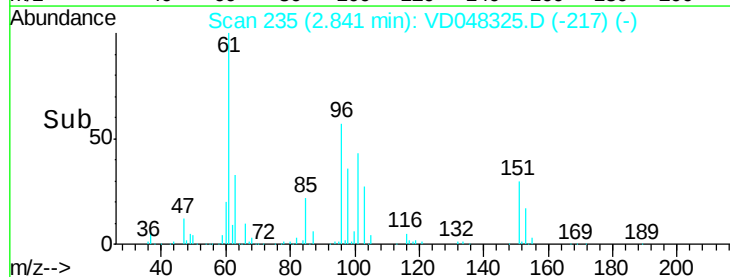
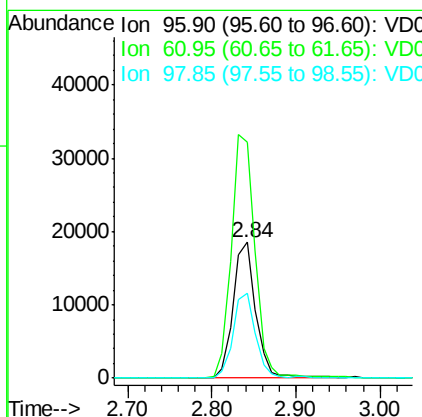
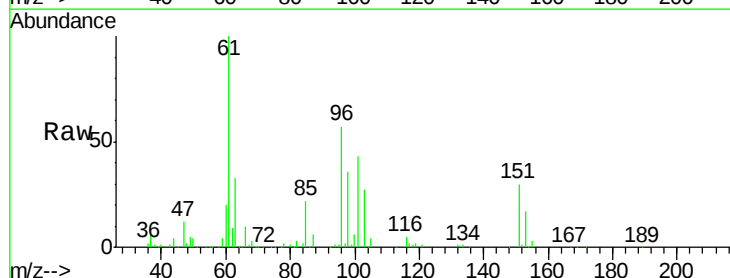
Tot Ion: 59 Resp: 13629
Ion Ratio Lower Upper
59 100
57 9.5 7.9 11.9

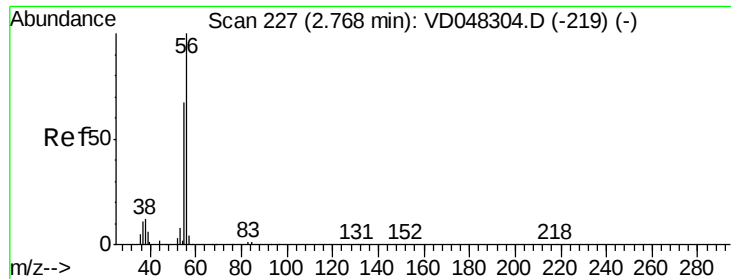


#12

1,1-Dichloroethene
Concen: 19.39 ug/l
RT: 2.84 min Scan# 235
Delta R.T. -0.03 min
Lab File: VD048325.D
Acq: 6 Jan 2016 16:38

Tgt Ion: 96 Resp: 34660
Ion Ratio Lower Upper
96 100
61 174.3 150.1 225.1
98 62.3 50.6 76.0





#13

Acrolein

Concen: 117.61 ug/l

RT: 2.74 min Scan# 225

Delta R.T. -0.03 min

Lab File: VD048325.D

Acq: 6 Jan 2016 16:38

Instrument :

BNA_F

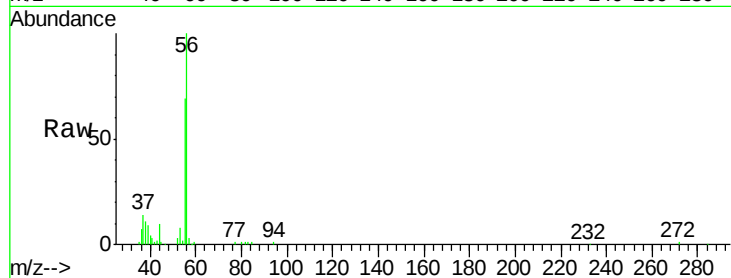
ClientSampled :

Tot Ion: 56 Resp: 21621

Ion Ratio Lower Upper

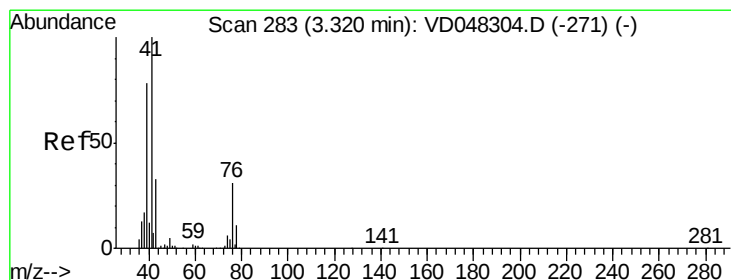
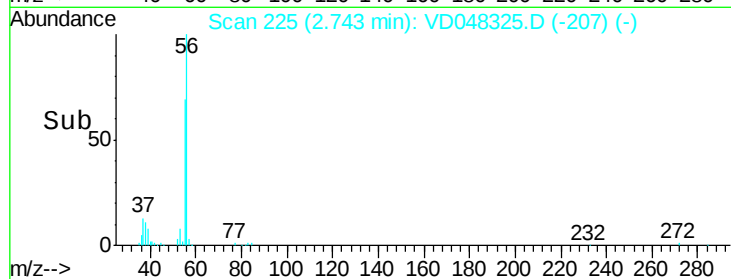
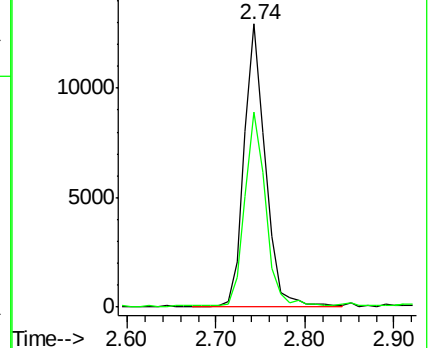
56 100

55 69.1 52.2 78.4



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 18.96 ug/l

RT: 3.29 min Scan# 280

Delta R.T. -0.04 min

Lab File: VD048325.D

Acq: 6 Jan 2016 16:38

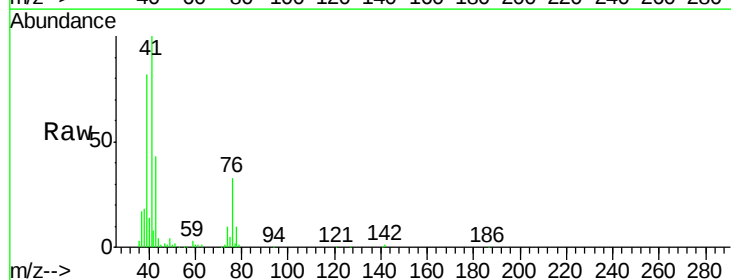
Tgt Ion: 41 Resp: 69102

Ion Ratio Lower Upper

41 100

39 82.4 62.5 93.7

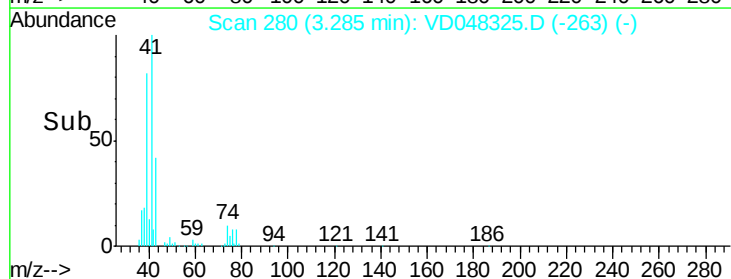
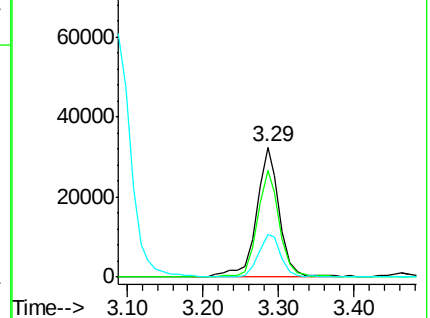
76 32.9 27.3 40.9

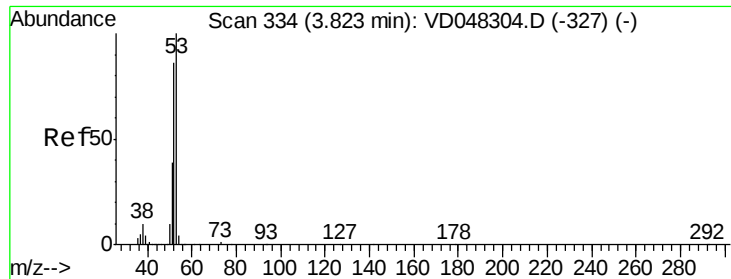


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 123.51 ug/l

RT: 3.79 min Scan# 331

Delta R.T. -0.04 min

Lab File: VD048325.D

Acq: 6 Jan 2016 16:38

Instrument :

BNA_F

ClientSampleId :

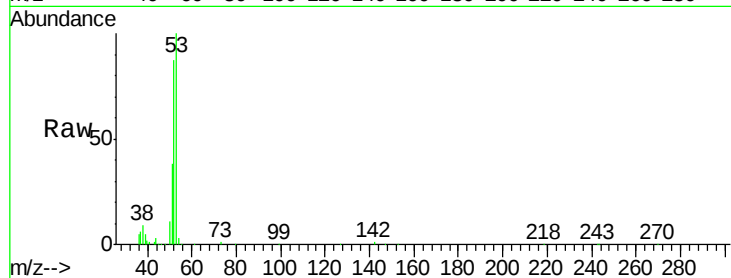
Tot Ion: 53 Resp: 46542

Ion Ratio Lower Upper

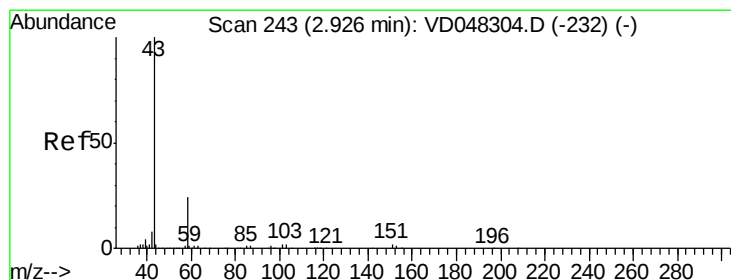
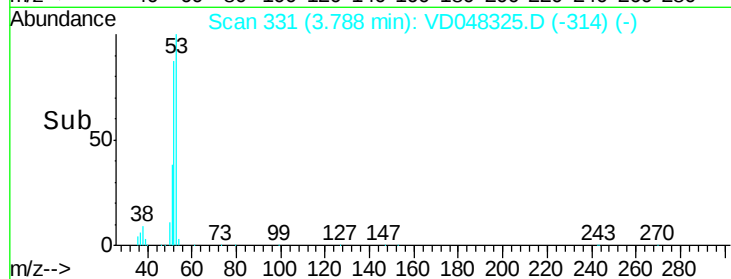
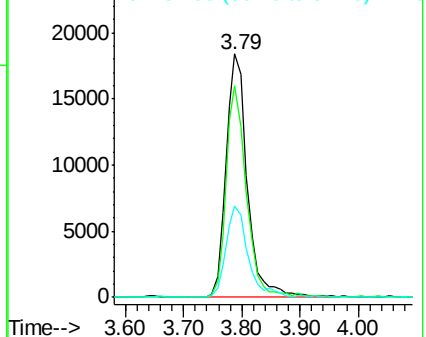
53 100

52 87.1 65.7 98.5

51 37.7 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: 106.49 ug/l

RT: 2.91 min Scan# 242

Delta R.T. -0.02 min

Lab File: VD048325.D

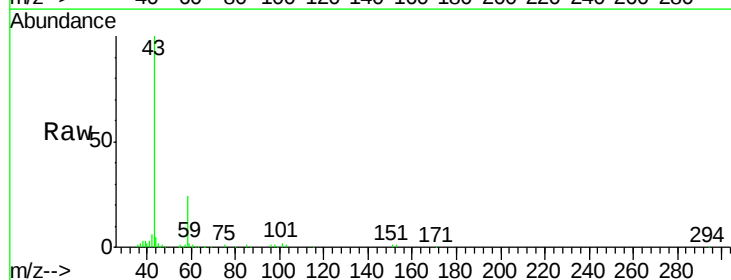
Acq: 6 Jan 2016 16:38

Tgt Ion: 43 Resp: 53271

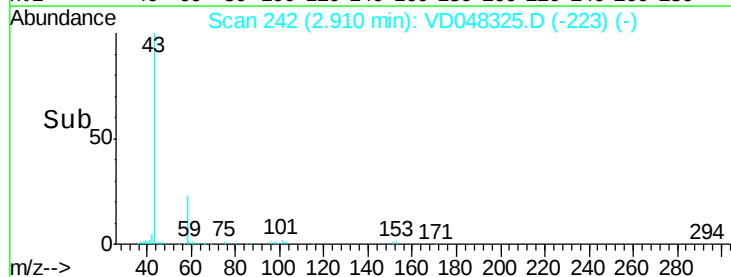
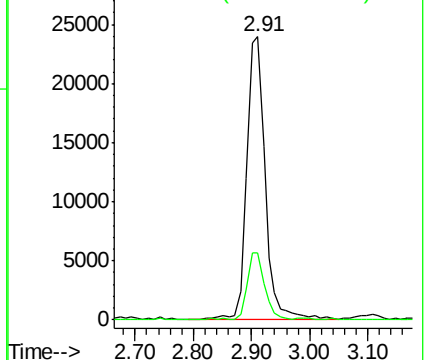
Ion Ratio Lower Upper

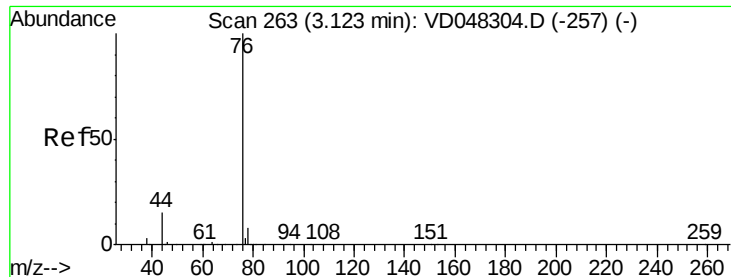
43 100

58 23.5 20.6 30.8



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

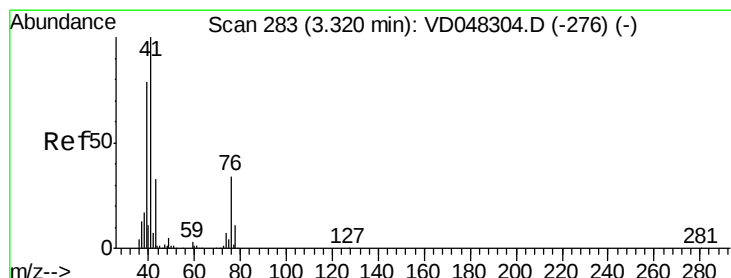
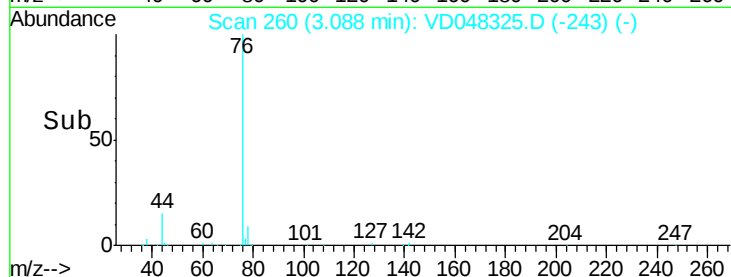
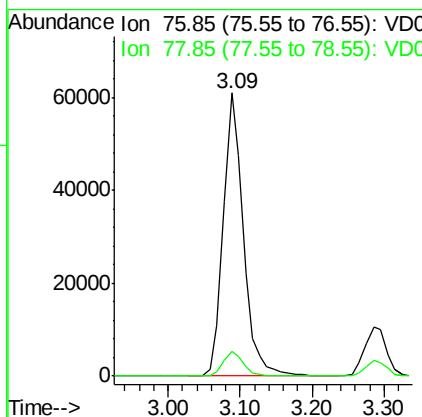
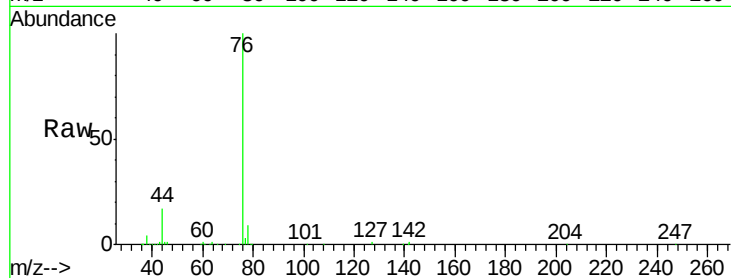




#17
Carbon Disulfide
Concen: 18.77 ug/l
RT: 3.09 min Scan# 260
Delta R.T. -0.04 min
Lab File: VD048325.D
Acq: 6 Jan 2016 16:38

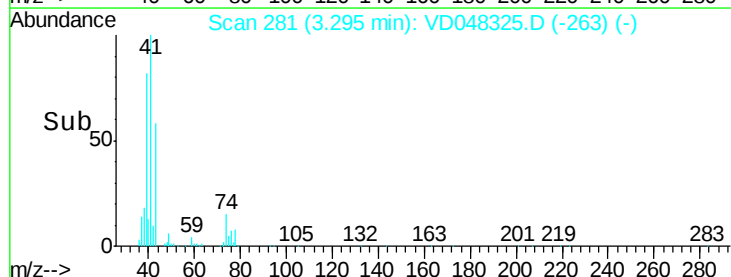
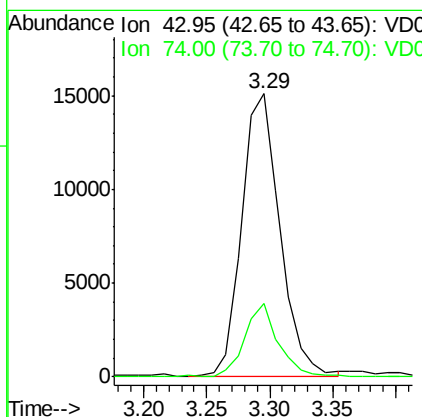
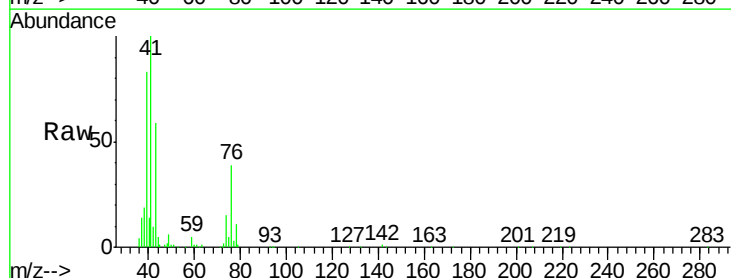
Instrument :
BNA_F
ClientSampleId :

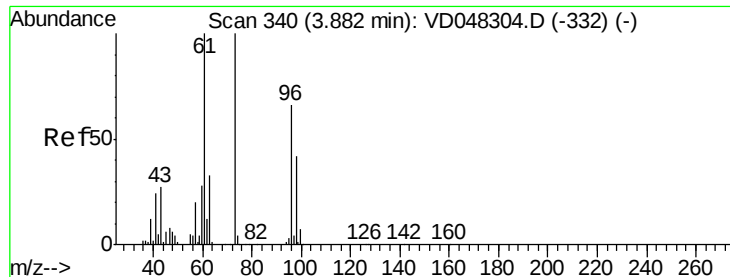
Tot Ion: 76 Resp: 118120
Ion Ratio Lower Upper
76 100
78 8.7 7.1 10.7



#18
Methyl Acetate
Concen: 25.27 ug/l
RT: 3.29 min Scan# 281
Delta R.T. -0.03 min
Lab File: VD048325.D
Acq: 6 Jan 2016 16:38

Tgt Ion: 43 Resp: 31784
Ion Ratio Lower Upper
43 100
74 25.8 15.2 22.8#



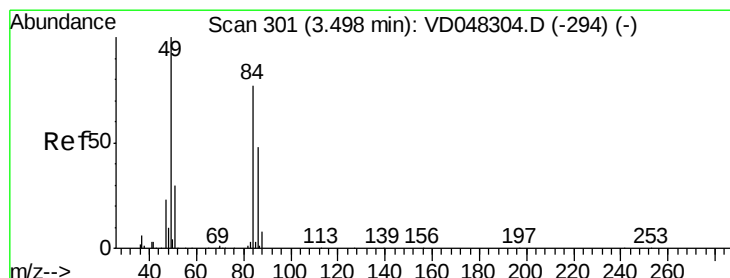
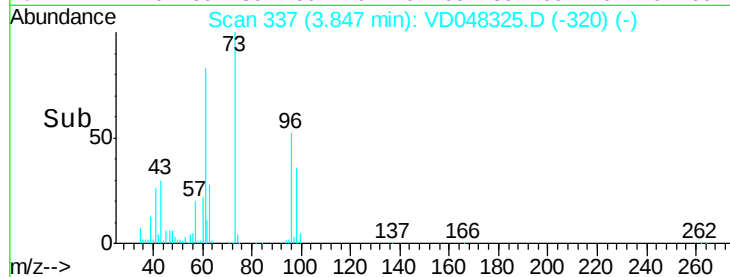
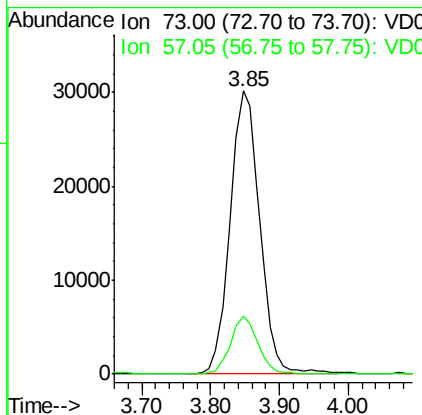
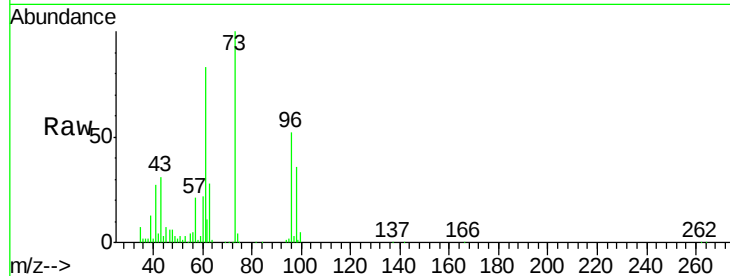


#19

Methyl tert-butyl Ether
 Concen: 23.36 ug/l
 RT: 3.85 min Scan# 337
 Delta R.T. -0.04 min
 Lab File: VD048325.D
 Acq: 6 Jan 2016 16:38

Instrument :
 BNA_F
 ClientSampleId :

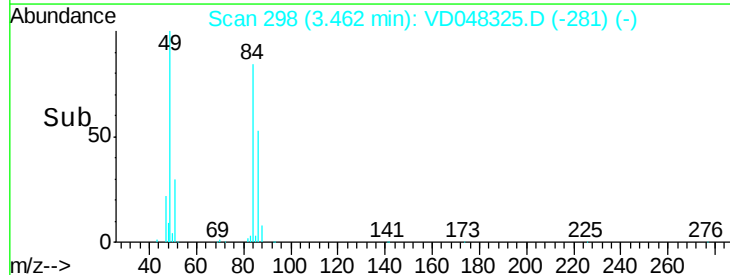
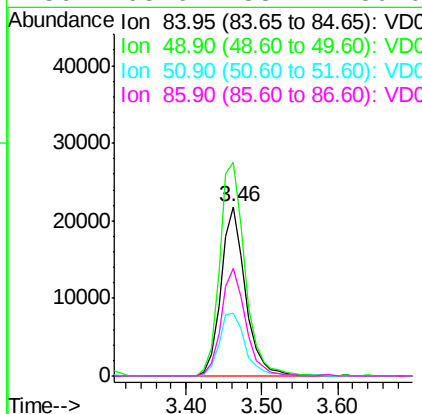
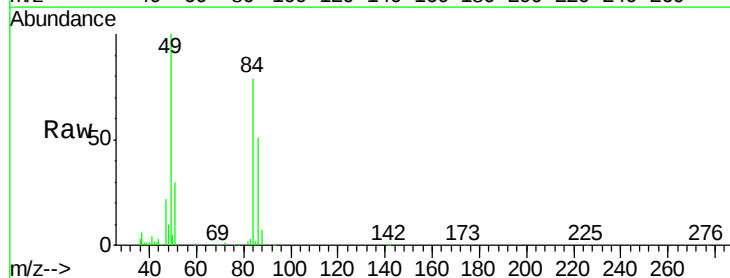
Tot Ion: 73 Resp: 90009
 Ion Ratio Lower Upper
 73 100
 57 20.5 15.1 22.7

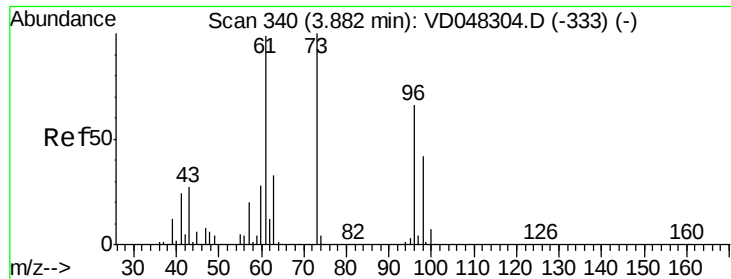


#20

Methylene Chloride
 Concen: 20.70 ug/l
 RT: 3.46 min Scan# 298
 Delta R.T. -0.04 min
 Lab File: VD048325.D
 Acq: 6 Jan 2016 16:38

Tgt Ion: 84 Resp: 49070
 Ion Ratio Lower Upper
 84 100
 49 126.0 106.5 159.7
 51 37.2 33.2 49.8
 86 63.6 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 19.16 ug/l

RT: 3.84 min Scan# 336

Delta R.T. -0.05 min

Lab File: VD048325.D

Acq: 6 Jan 2016 16:38

Instrument :

BNA_F

ClientSampleId :

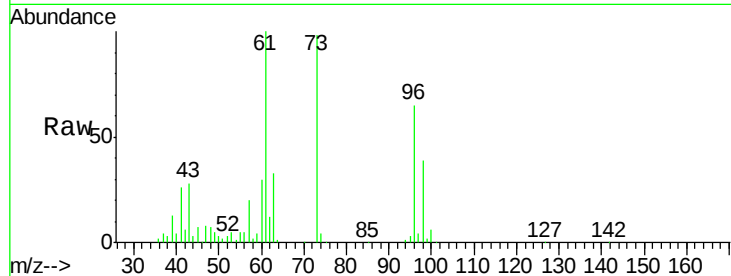
Tot Ion: 96 Resp: 37871

Ion Ratio Lower Upper

96 100

61 154.4 129.7 194.5

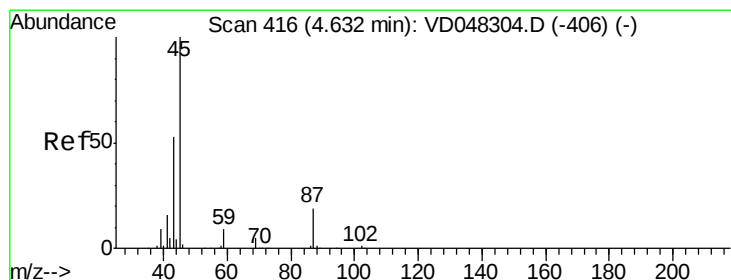
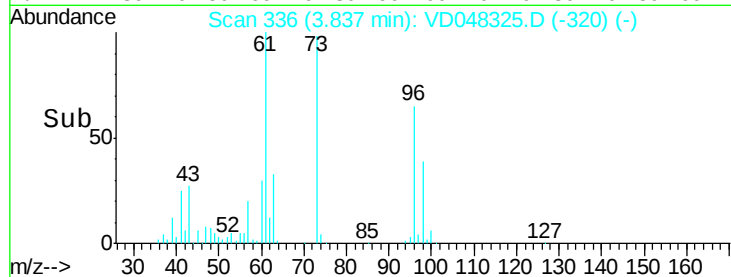
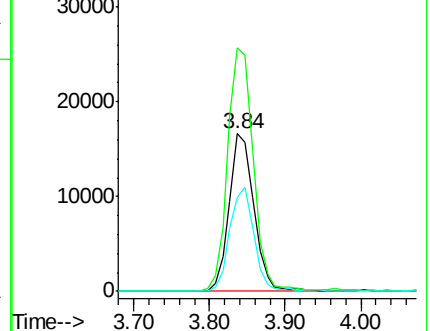
98 59.9 49.1 73.7



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: 21.18 ug/l

RT: 4.60 min Scan# 413

Delta R.T. -0.04 min

Lab File: VD048325.D

Acq: 6 Jan 2016 16:38

Tgt Ion: 45 Resp: 145751

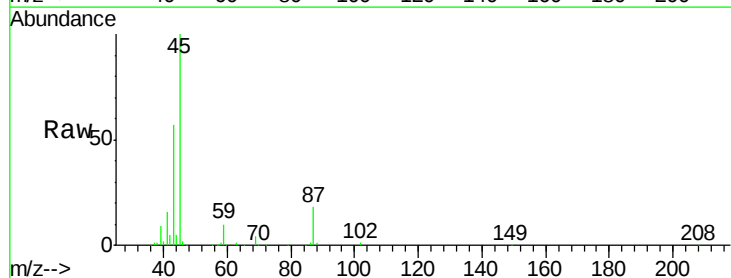
Ion Ratio Lower Upper

45 100

43 56.8 40.0 60.0

87 18.5 15.8 23.8

59 9.9 8.0 12.0

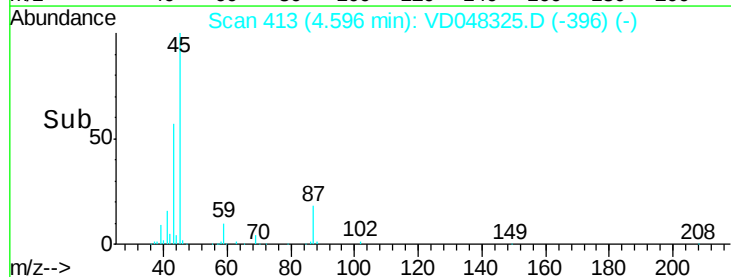
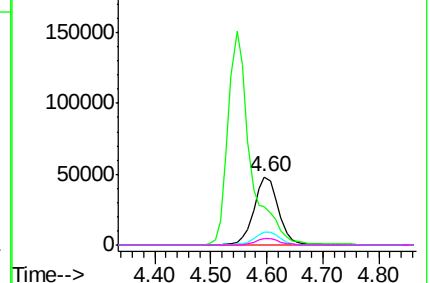


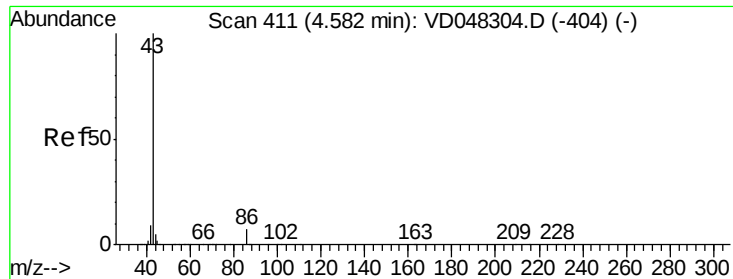
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 124.80 ug/l

RT: 4.55 min Scan# 408

Delta R.T. -0.04 min

Lab File: VD048325.D

Acq: 6 Jan 2016 16:38

Instrument :

BNA_F

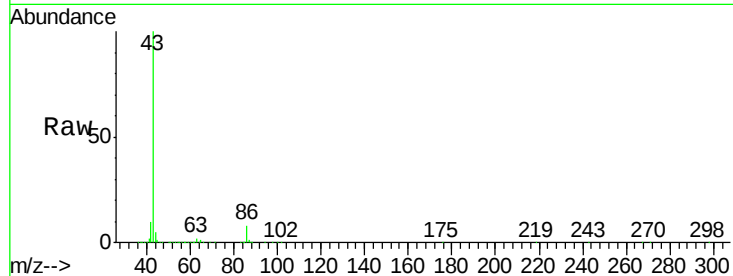
ClientSampleId :

Tot Ion: 43 Resp: 423867

Ion Ratio Lower Upper

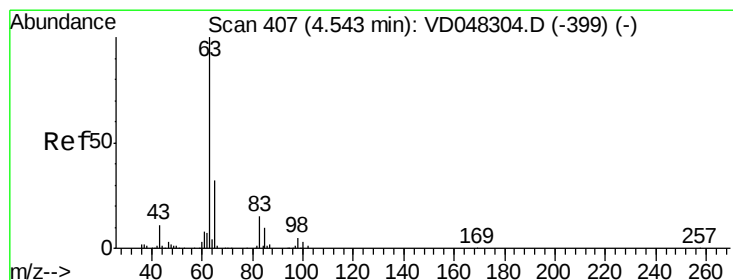
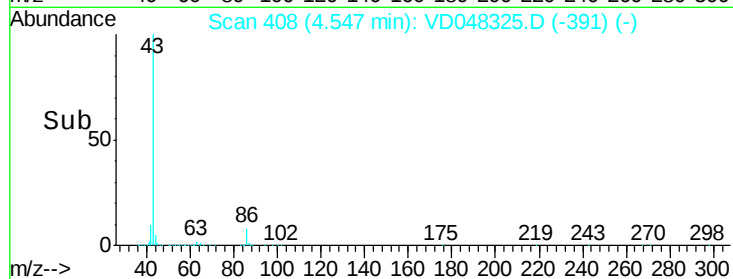
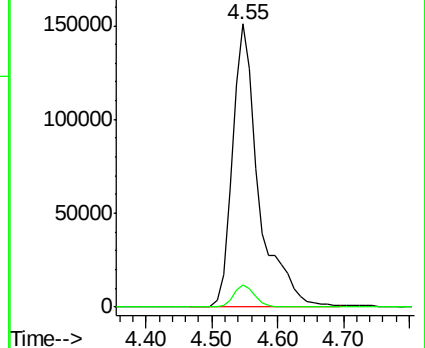
43 100

86 7.8 6.3 9.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 19.52 ug/l

RT: 4.51 min Scan# 404

Delta R.T. -0.04 min

Lab File: VD048325.D

Acq: 6 Jan 2016 16:38

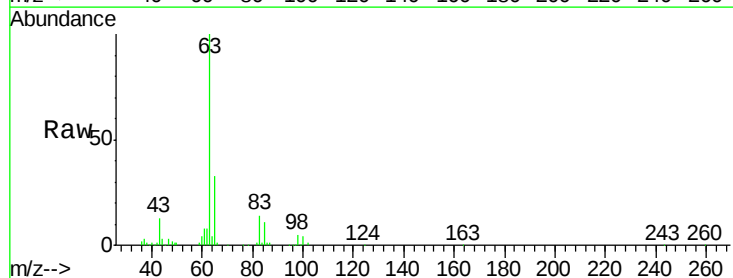
Tgt Ion: 63 Resp: 78217

Ion Ratio Lower Upper

63 100

98 4.7 2.5 7.5

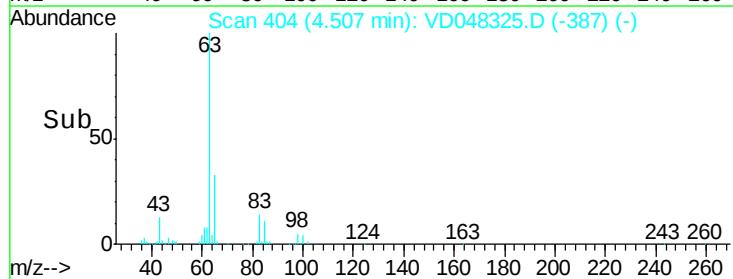
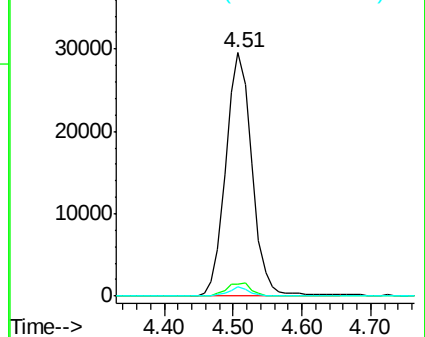
100 3.8 1.6 4.7

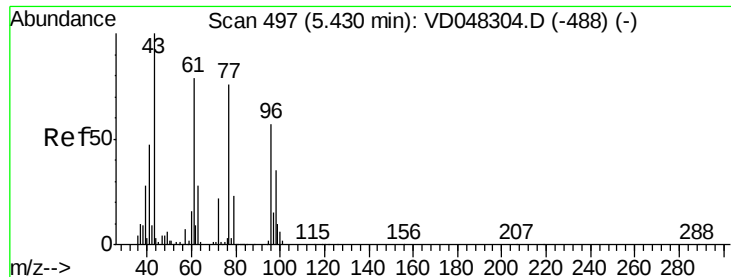


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 134.49 ug/l

RT: 5.39 min Scan# 494

Delta R.T. -0.04 min

Lab File: VD048325.D

Acq: 6 Jan 2016 16:38

Instrument :

BNA_F

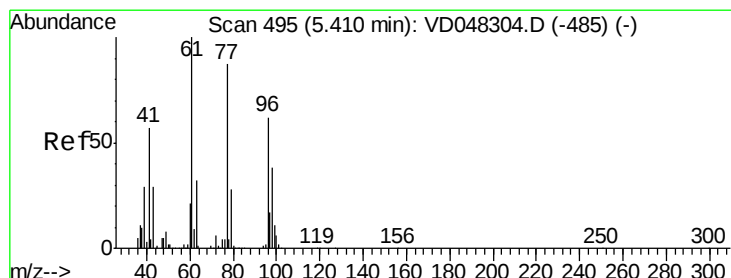
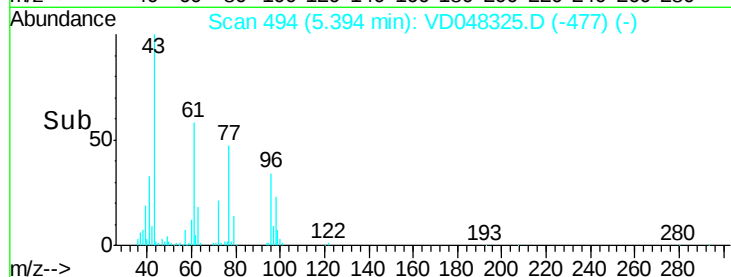
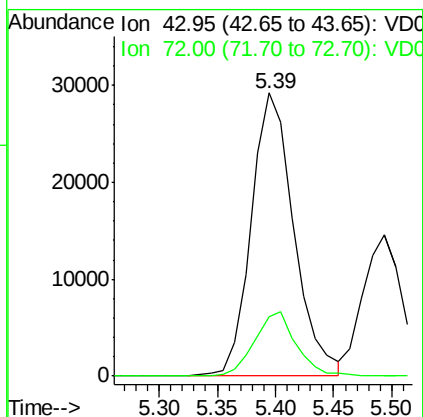
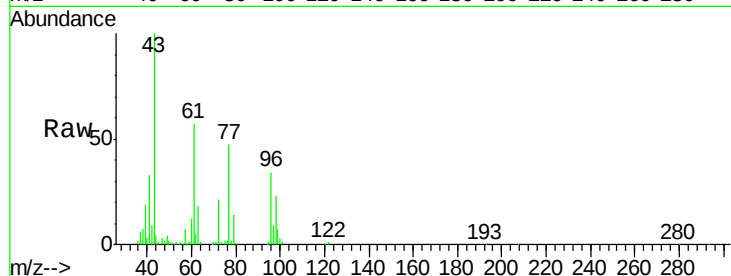
ClientSampleId :

Tot Ion: 43 Resp: 73727

Ion Ratio Lower Upper

43 100

72 20.8 17.8 26.6



#26

2,2-Dichloropropane

Concen: 18.99 ug/l

RT: 5.37 min Scan# 492

Delta R.T. -0.04 min

Lab File: VD048325.D

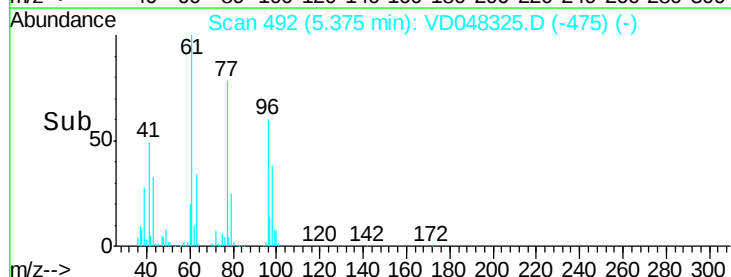
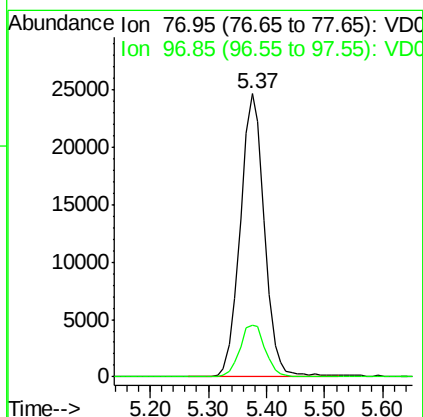
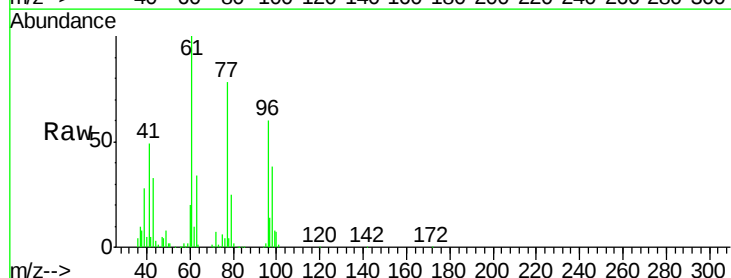
Acq: 6 Jan 2016 16:38

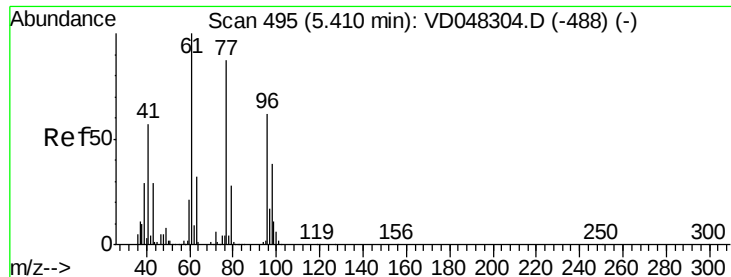
Tgt Ion: 77 Resp: 70831

Ion Ratio Lower Upper

77 100

97 18.2 10.5 31.6



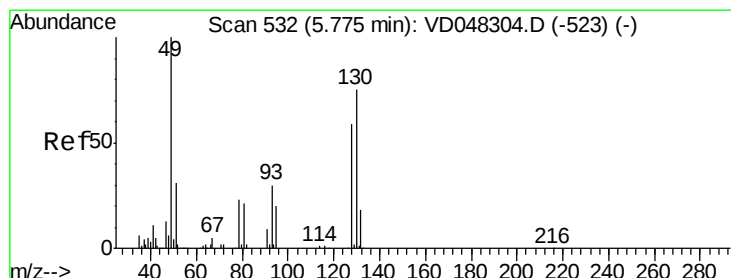
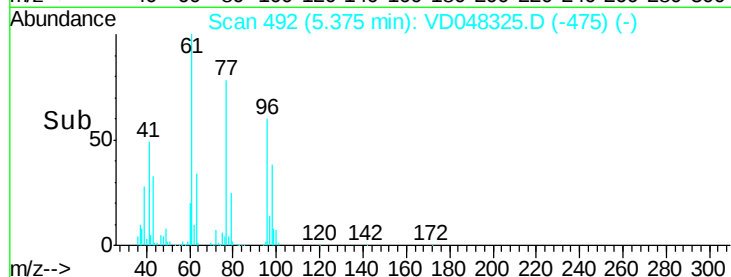
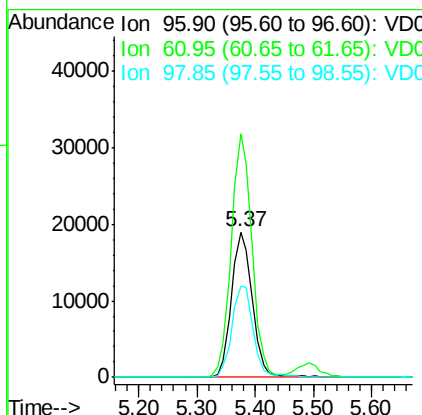
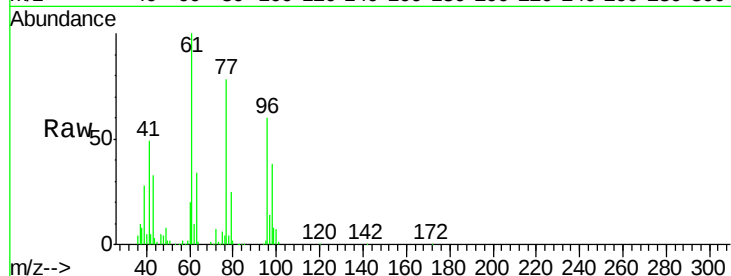


#27

cis-1,2-Dichloroethene
Concen: 20.62 ug/l
RT: 5.37 min Scan# 492
Delta R.T. -0.04 min
Lab File: VD048325.D
Acq: 6 Jan 2016 16:38

Instrument :
BNA_F
ClientSampleId :

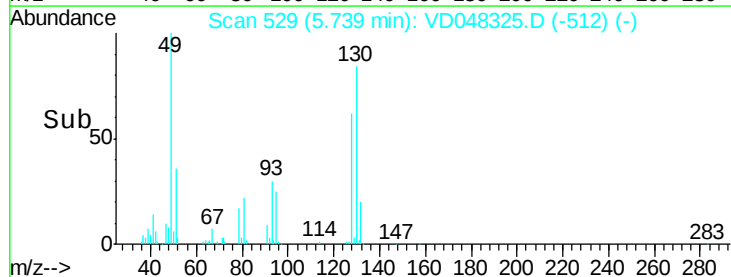
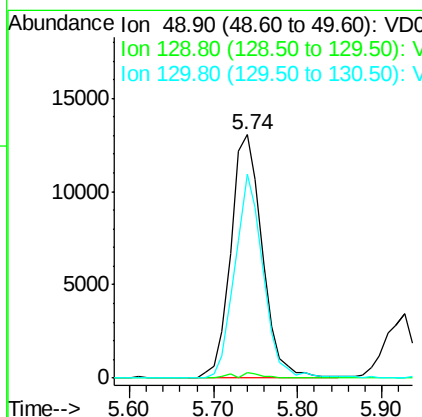
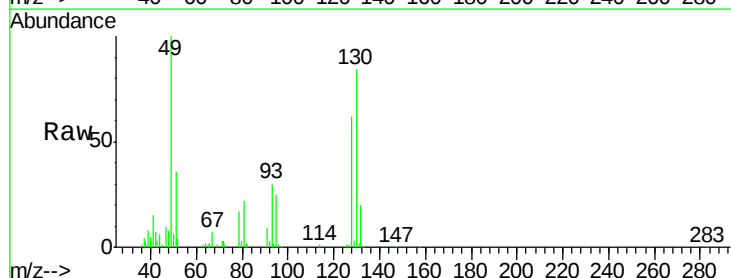
Tot Ion	Ratio	Lower	Upper
96	100		
61	167.4	0.0	332.6
98	63.1	0.0	130.8

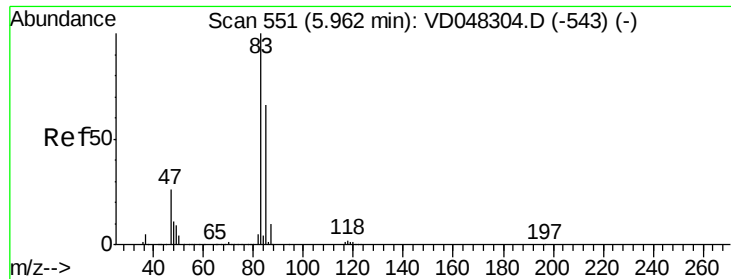


#28

Bromochloromethane
Concen: 20.36 ug/l
RT: 5.74 min Scan# 529
Delta R.T. -0.04 min
Lab File: VD048325.D
Acq: 6 Jan 2016 16:38

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	4.2
130	83.8	62.3	93.5

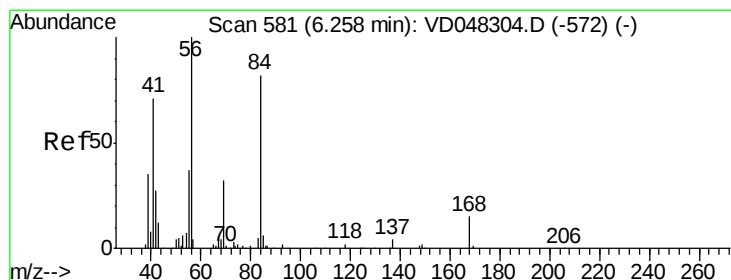
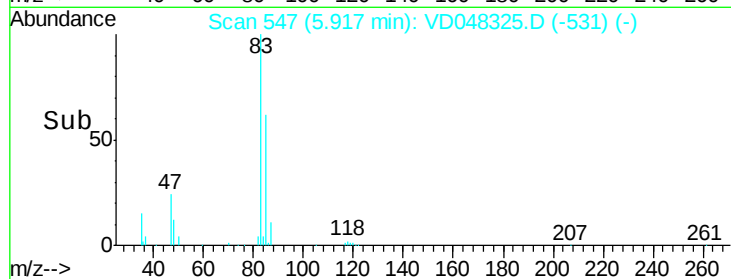
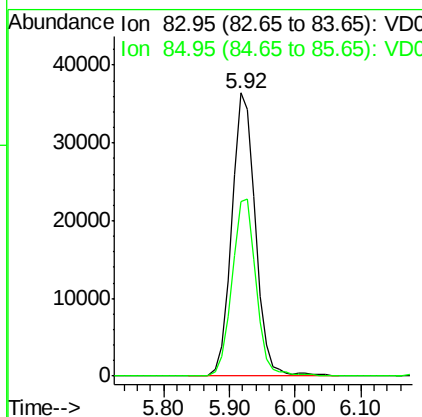
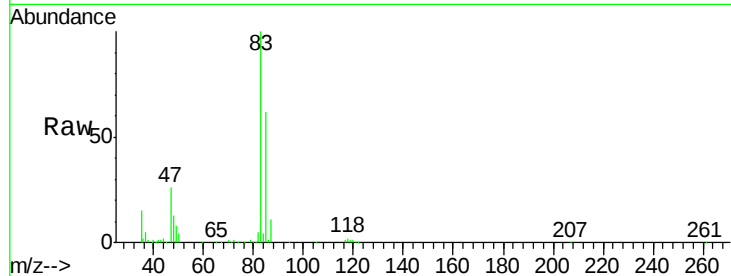




#29
Chloroform
Concen: 20.94 ug/l
RT: 5.92 min Scan# 547
Delta R.T. -0.05 min
Lab File: VD048325.D
Acq: 6 Jan 2016 16:38

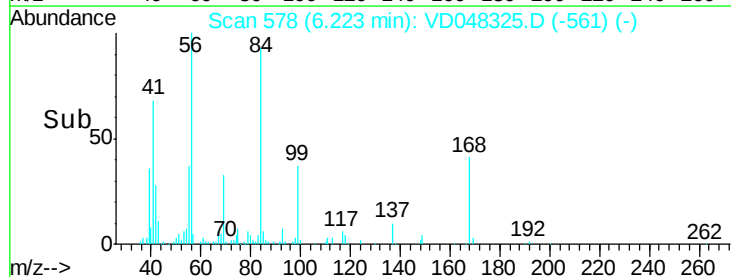
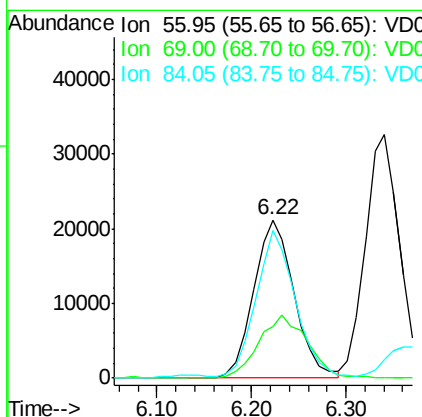
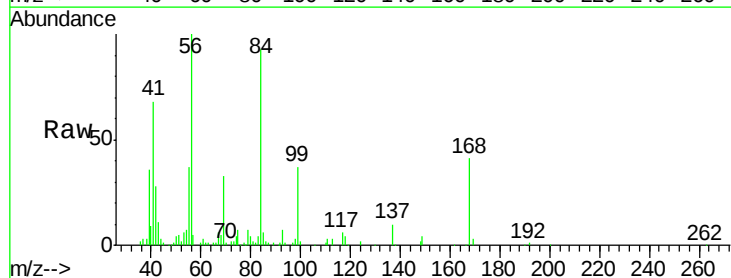
Instrument :
BNA_F
ClientSampleId :

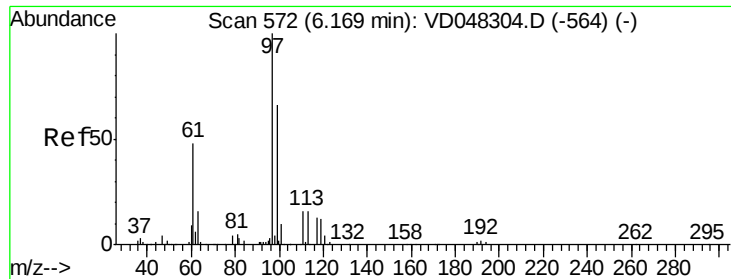
Tot Ion: 83 Resp: 92094
Ion Ratio Lower Upper
83 100
85 61.7 50.2 75.4



#30
Cyclohexane
Concen: 18.86 ug/l
RT: 6.22 min Scan# 578
Delta R.T. -0.04 min
Lab File: VD048325.D
Acq: 6 Jan 2016 16:38

Tgt Ion: 56 Resp: 63000
Ion Ratio Lower Upper
56 100
69 33.0 26.2 39.2
84 93.4 68.5 102.7





#31

1,1,1-Trichloroethane

Concen: 19.47 ug/l

RT: 6.13 min Scan# 569

Delta R.T. -0.04 min

Lab File: VD048325.D

Acq: 6 Jan 2016 16:38

Instrument :

BNA_F

ClientSampleId :

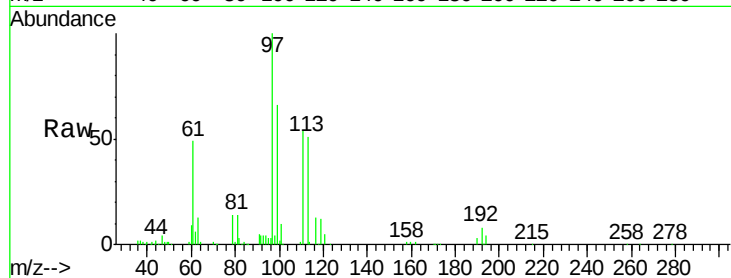
Tot Ion: 97 Resp: 66639

Ion Ratio Lower Upper

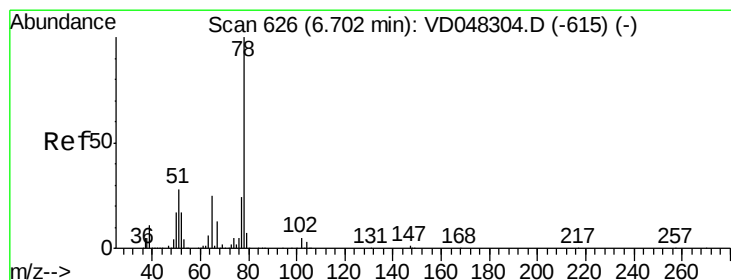
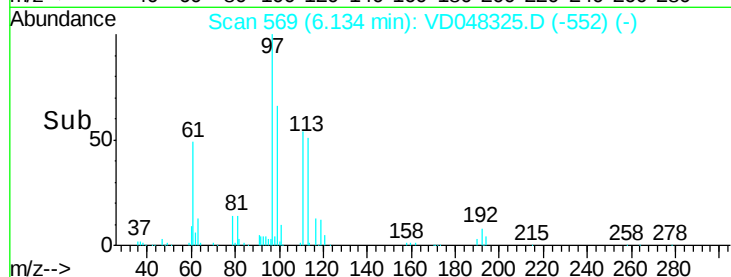
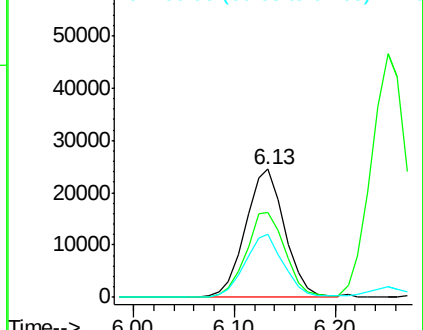
97 100

99 66.0 52.2 78.4

61 49.5 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: 19.47 ug/l

RT: 6.67 min Scan# 623

Delta R.T. -0.04 min

Lab File: VD048325.D

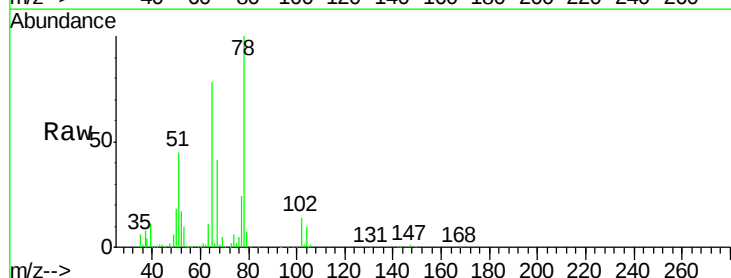
Acq: 6 Jan 2016 16:38

Tgt Ion: 65 Resp: 133378

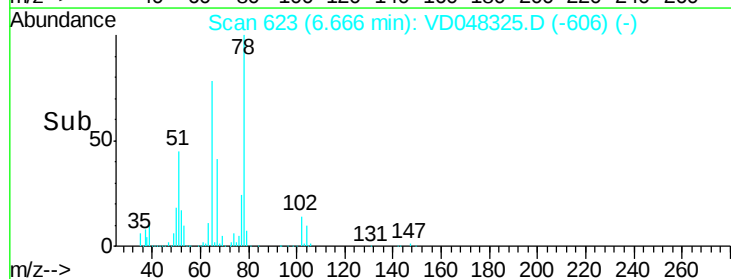
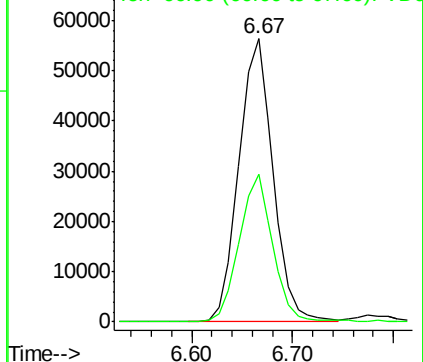
Ion Ratio Lower Upper

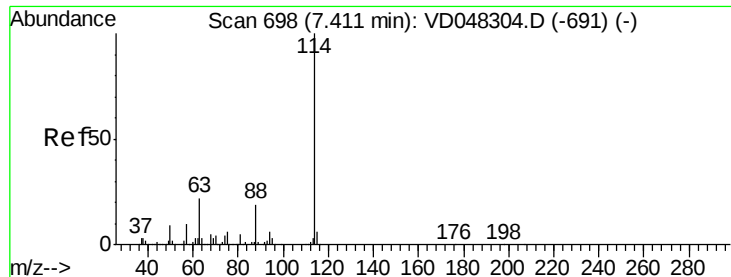
65 100

67 52.2 0.0 106.0



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

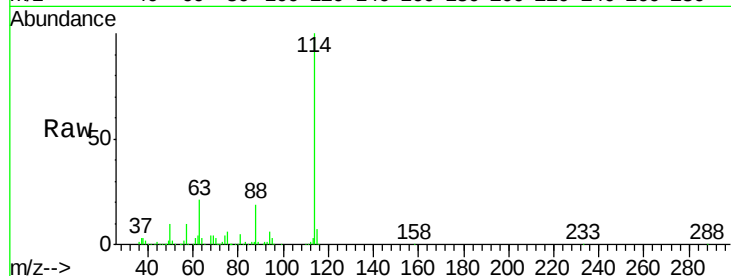




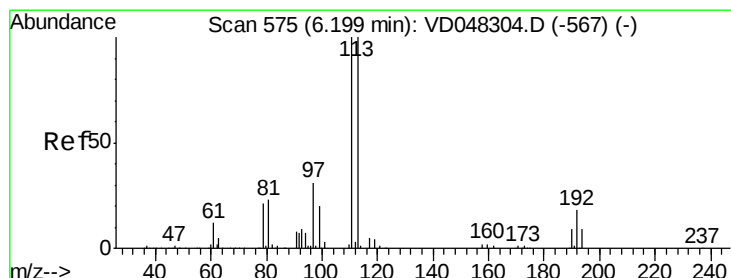
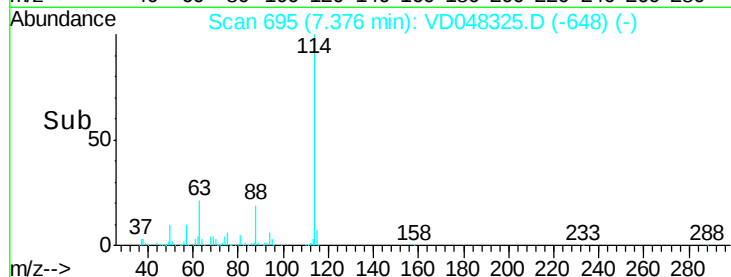
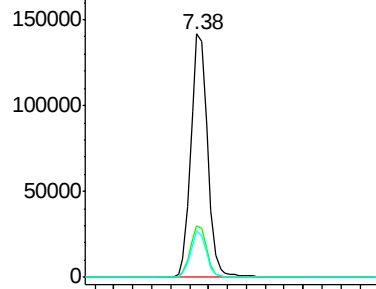
#33
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 7.38 min Scan# 695
 Delta R.T. -0.04 min
 Lab File: VD048325.D
 Acq: 6 Jan 2016 16:38

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:114 Resp: 347302
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 39.4
 88 19.0 0.0 35.6

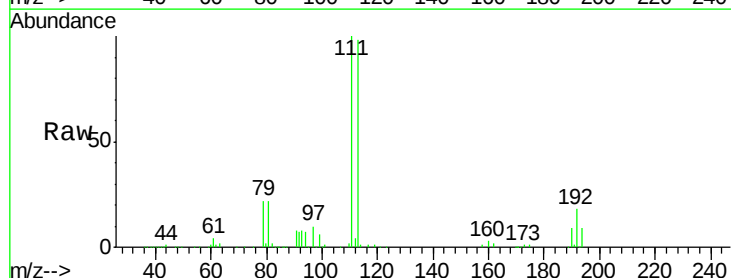


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

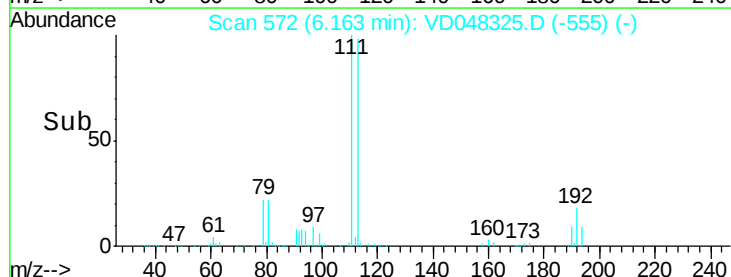
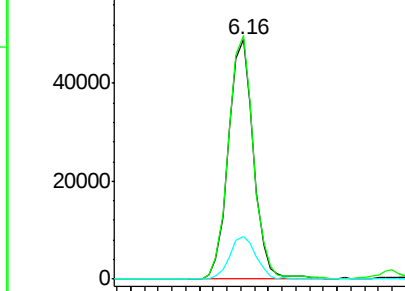


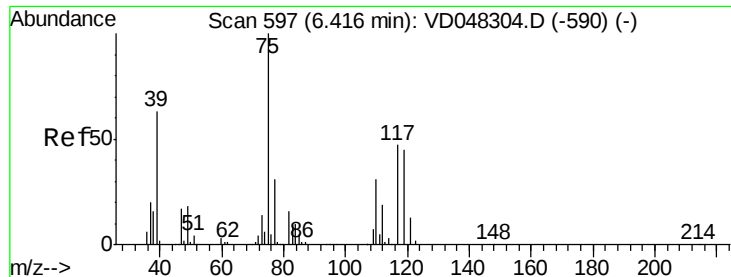
#34
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 6.16 min Scan# 572
 Delta R.T. -0.04 min
 Lab File: VD048325.D
 Acq: 6 Jan 2016 16:38

Tgt Ion:113 Resp: 124104
 Ion Ratio Lower Upper
 113 100
 111 101.6 83.7 125.5
 192 18.0 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: 19.56 ug/l

RT: 6.38 min Scan# 594

Delta R.T. -0.04 min

Lab File: VD048325.D

Acq: 6 Jan 2016 16:38

Instrument :

BNA_F

ClientSampleId :

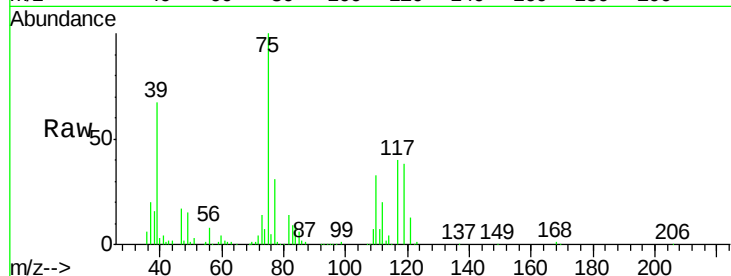
Tot Ion: 75 Resp: 67588

Ion Ratio Lower Upper

75 100

110 33.3 15.6 46.8

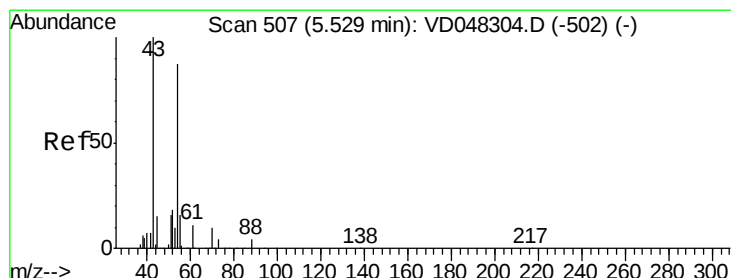
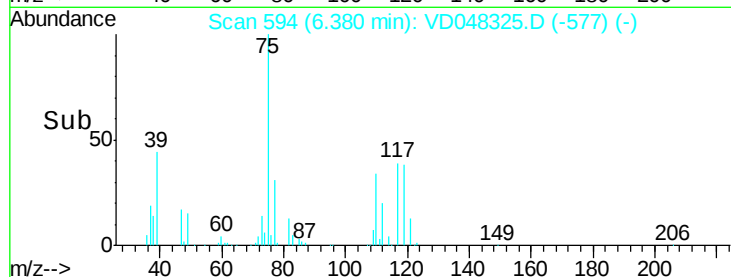
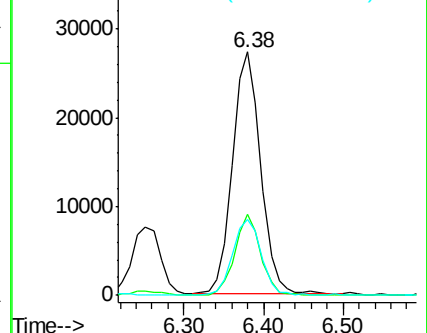
77 31.3 24.2 36.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): VDC

Ion 76.95 (76.65 to 77.65): VDC



#36

Ethyl Acetate

Concen: 22.39 ug/l

RT: 5.49 min Scan# 504

Delta R.T. -0.04 min

Lab File: VD048325.D

Acq: 6 Jan 2016 16:38

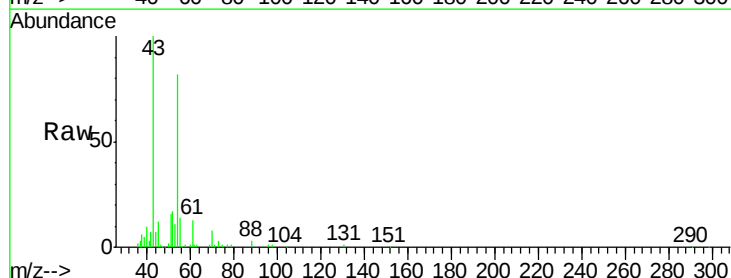
Tgt Ion: 43 Resp: 34177

Ion Ratio Lower Upper

43 100

61 12.7 10.2 15.2

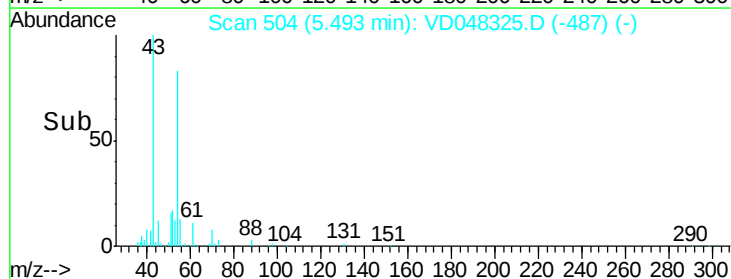
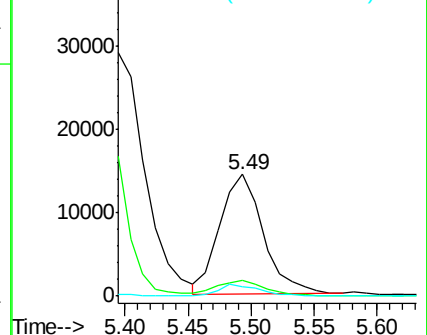
70 7.8 7.8 11.8

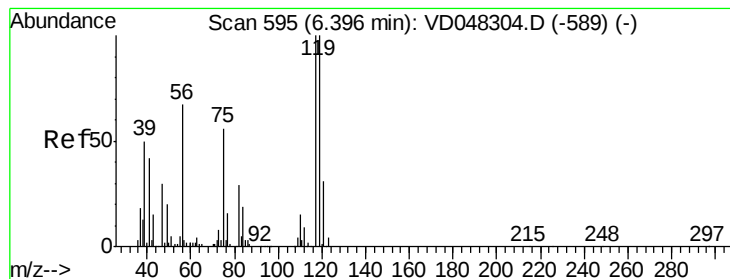


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC





#37

Carbon Tetrachloride

Concen: 18.79 ug/l

RT: 6.36 min Scan# 592

Delta R.T. -0.04 min

Lab File: VD048325.D

Acq: 6 Jan 2016 16:38

Instrument :

BNA_F

ClientSampleId :

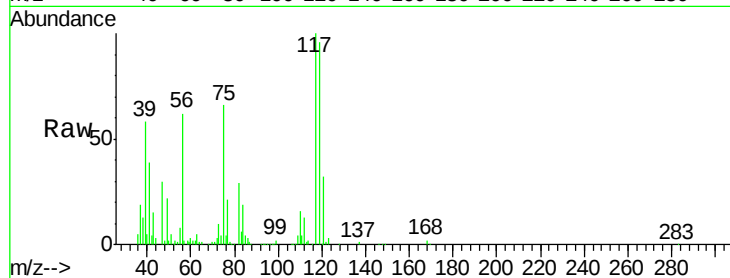
Tot Ion:117 Resp: 57821

Ion Ratio Lower Upper

117 100

119 95.8 79.8 119.8

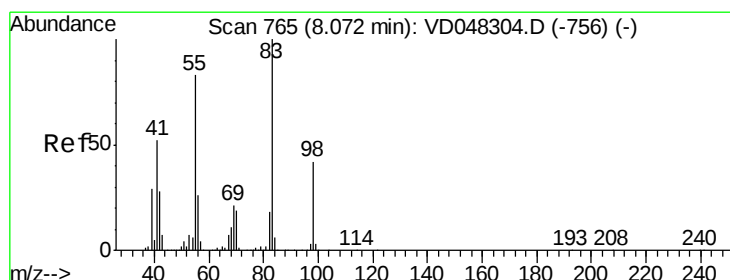
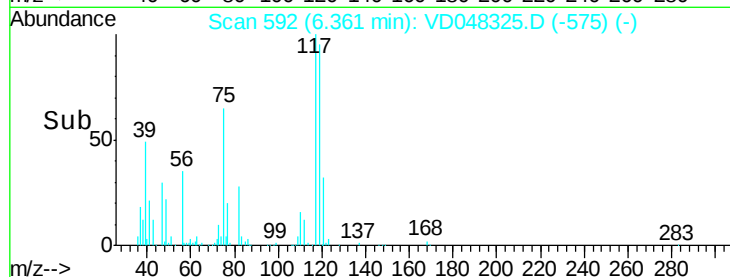
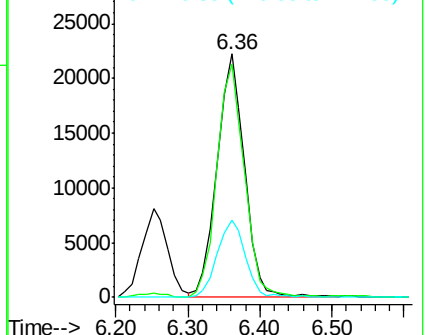
121 31.7 24.2 36.2



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: 18.62 ug/l

RT: 8.04 min Scan# 762

Delta R.T. -0.04 min

Lab File: VD048325.D

Acq: 6 Jan 2016 16:38

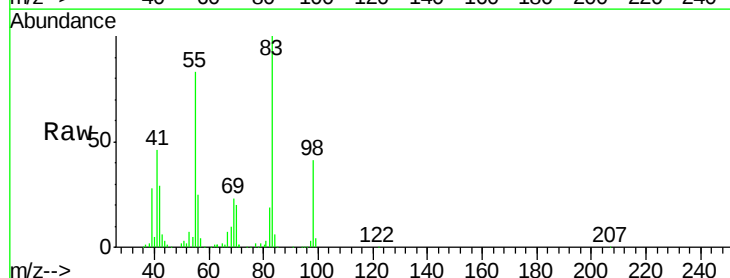
Tgt Ion: 83 Resp: 69249

Ion Ratio Lower Upper

83 100

55 83.5 72.0 108.0

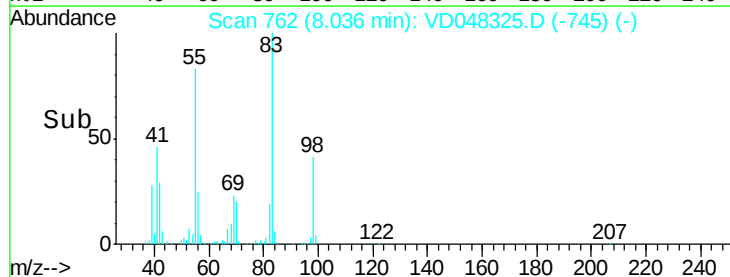
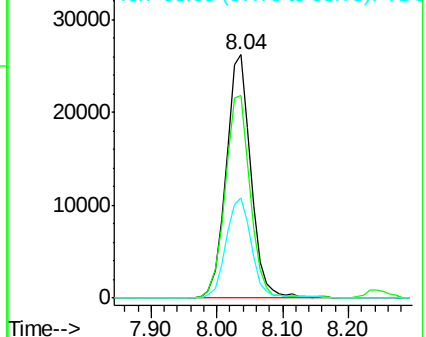
98 41.1 35.3 52.9

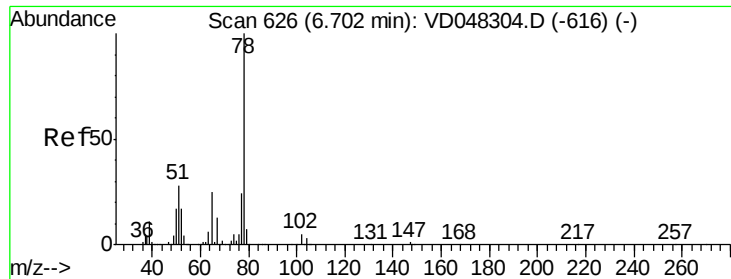


Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC





#39

Benzene

Concen: 19.90 ug/l

RT: 6.67 min Scan# 623

Delta R.T. -0.04 min

Lab File: VD048325.D

Acq: 6 Jan 2016 16:38

Instrument :

BNA_F

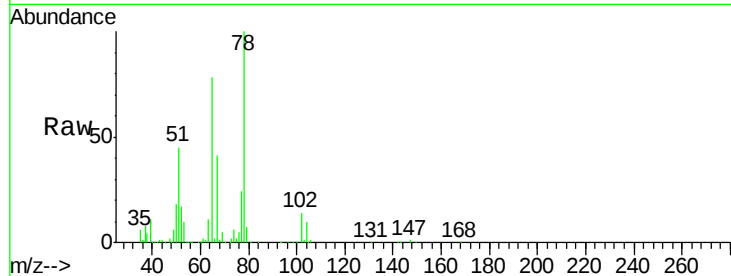
ClientSampleId :

Tot Ion: 78 Resp: 183286

Ion Ratio Lower Upper

78 100

77 23.7 18.5 27.7



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

6.67

80000

60000

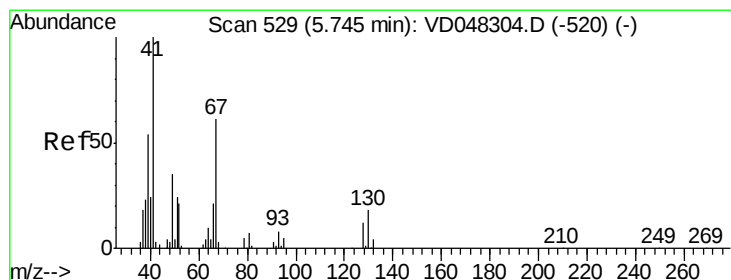
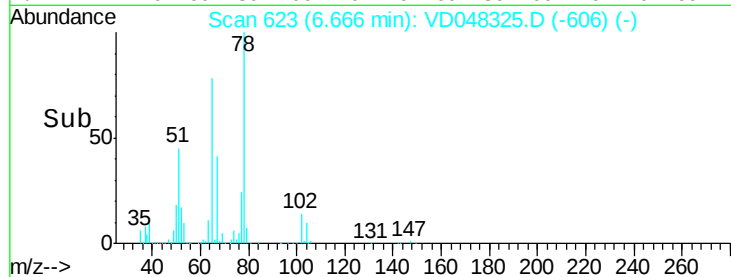
40000

20000

0

Time-->

6.50 6.60 6.70 6.80 6.90



#40

Methacrylonitrile

Concen: 23.48 ug/l

RT: 5.71 min Scan# 526

Delta R.T. -0.04 min

Lab File: VD048325.D

Acq: 6 Jan 2016 16:38

Tgt Ion: 41 Resp: 21011

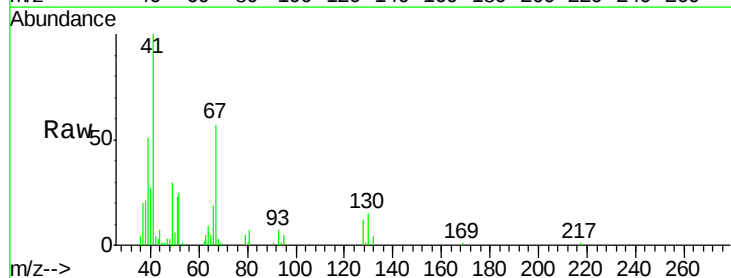
Ion Ratio Lower Upper

41 100

39 51.1 41.2 61.8

67 57.0 47.0 70.6

52 25.4 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

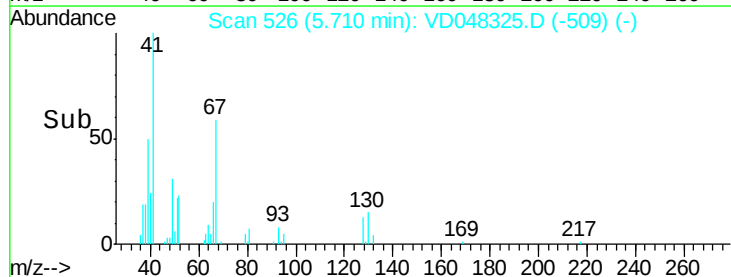
10000

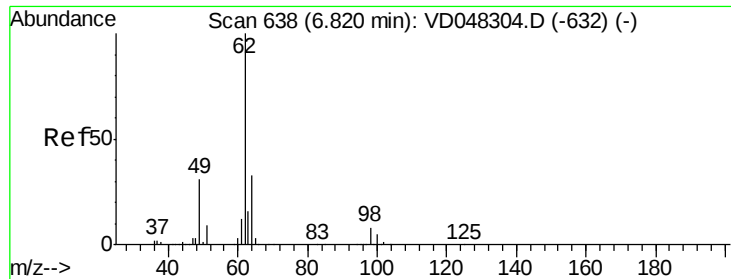
5000

0

Time-->

5.60 5.65 5.70 5.75





#41

1,2-Dichloroethane

Concen: 21.79 ug/l

RT: 6.78 min Scan# 635

Delta R.T. -0.04 min

Lab File: VD048325.D

Acq: 6 Jan 2016 16:38

Instrument :

BNA_F

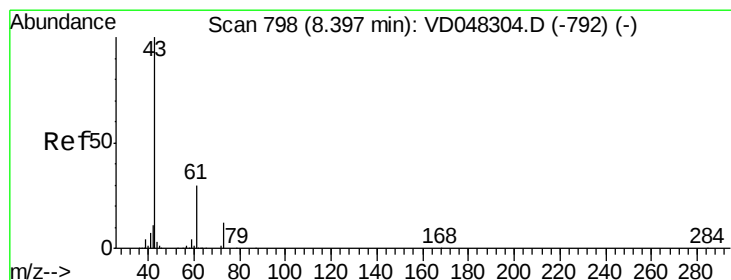
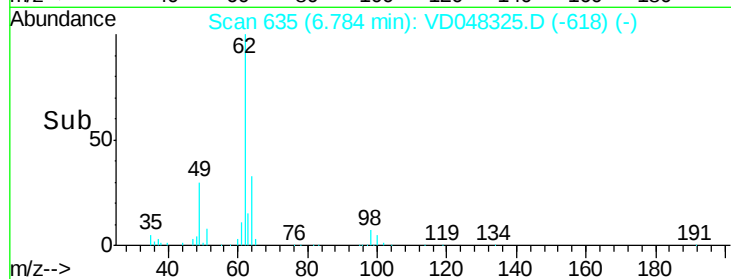
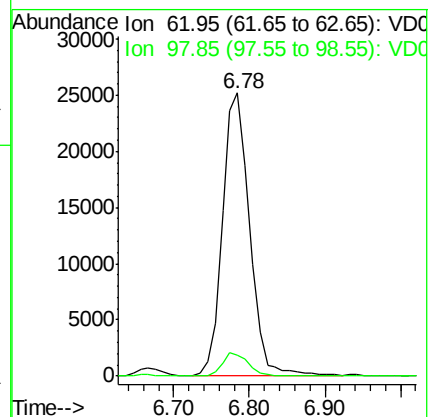
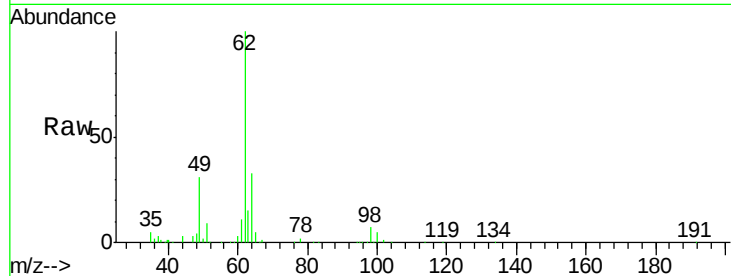
ClientSampleId :

Tot Ion: 62 Resp: 63040

Ion Ratio Lower Upper

62 100

98 7.3 0.0 14.0



#42

Isopropyl Acetate

Concen: 25.38 ug/l

RT: 8.36 min Scan# 795

Delta R.T. -0.04 min

Lab File: VD048325.D

Acq: 6 Jan 2016 16:38

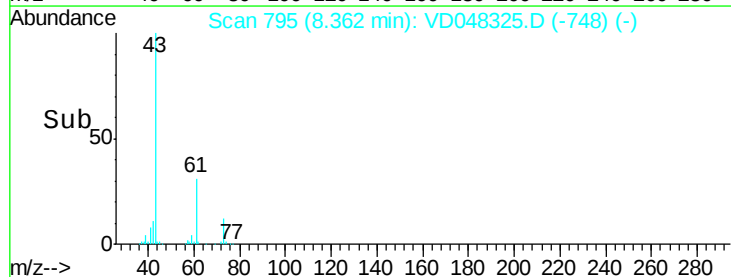
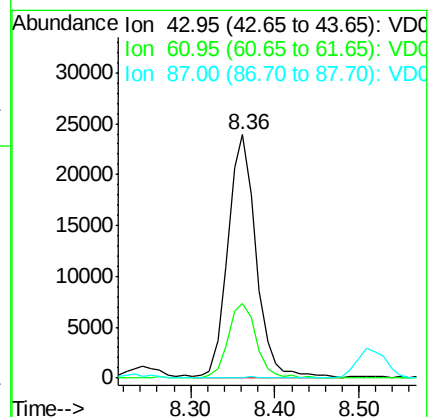
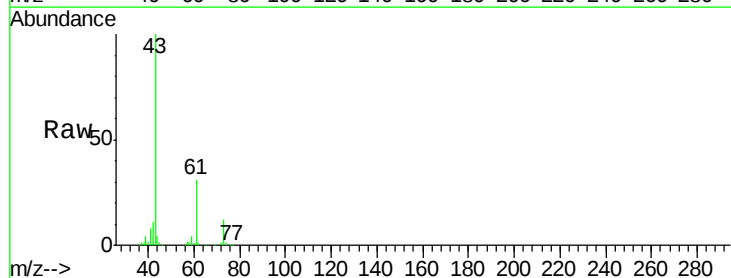
Tgt Ion: 43 Resp: 55047

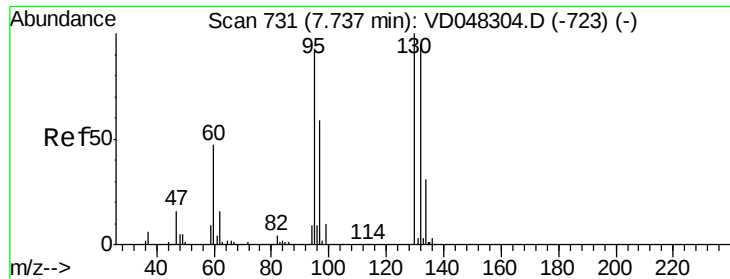
Ion Ratio Lower Upper

43 100

61 30.9 23.8 35.8

87 0.0 0.3 0.5#

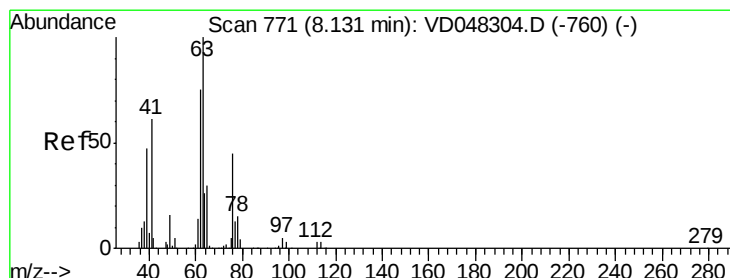
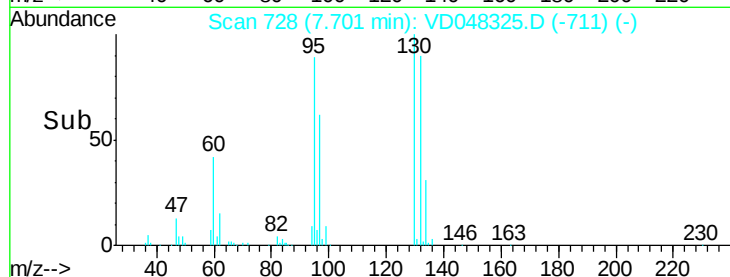
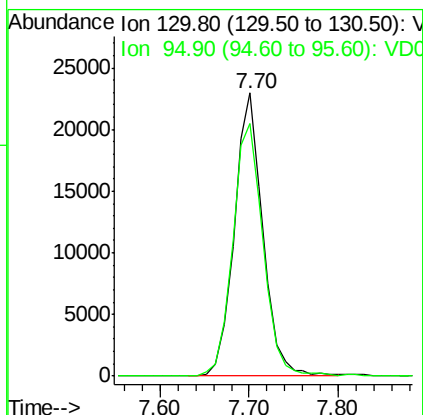
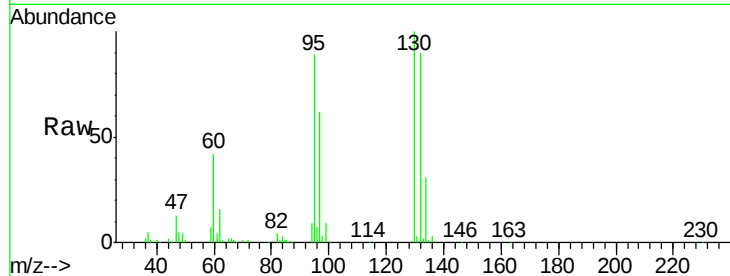




#43
 Trichloroethene
 Concen: 19.60 ug/l
 RT: 7.70 min Scan# 728
 Delta R.T. -0.04 min
 Lab File: VD048325.D
 Acq: 6 Jan 2016 16:38

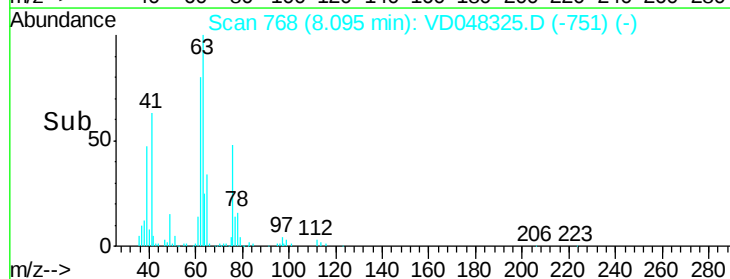
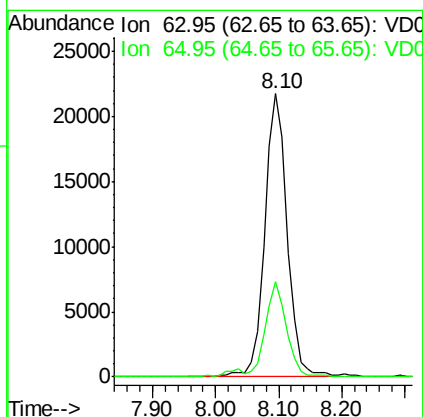
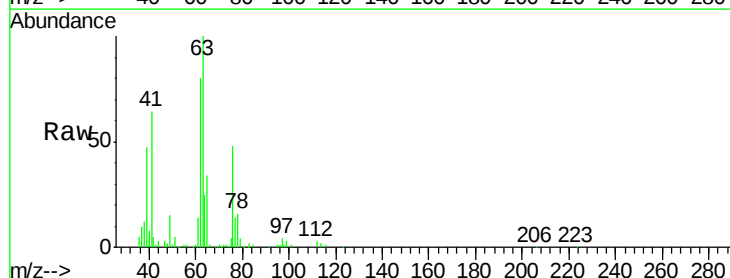
Instrument :
 BNA_F
 ClientSampleId :

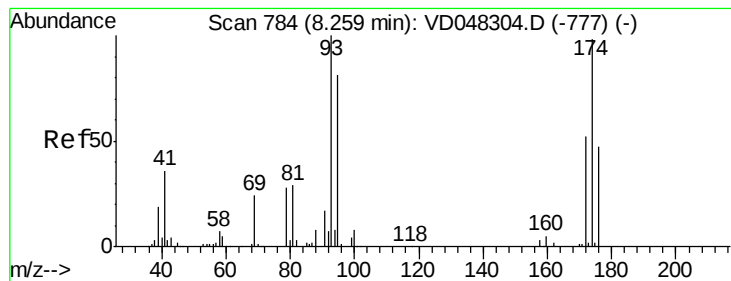
Tot Ion:130 Resp: 50889
 Ion Ratio Lower Upper
 130 100
 95 89.4 0.0 190.2



#44
 1,2-Dichloropropane
 Concen: 20.99 ug/l
 RT: 8.10 min Scan# 768
 Delta R.T. -0.04 min
 Lab File: VD048325.D
 Acq: 6 Jan 2016 16:38

Tgt Ion: 63 Resp: 53653
 Ion Ratio Lower Upper
 63 100
 65 33.6 23.7 35.5





#45

Dibromomethane

Concen: 23.02 ug/l

RT: 8.22 min Scan# 781

Delta R.T. -0.04 min

Lab File: VD048325.D

Acq: 6 Jan 2016 16:38

Instrument :

BNA_F

ClientSampleId :

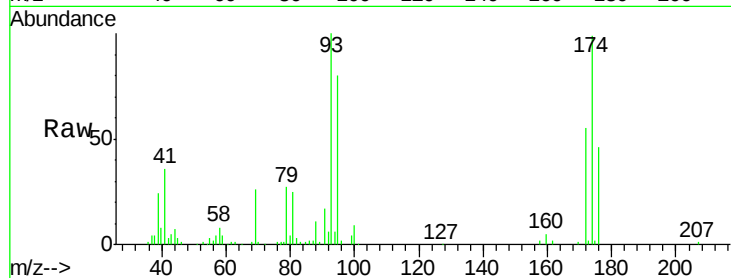
Tot Ion: 93 Resp: 32045

Ion Ratio Lower Upper

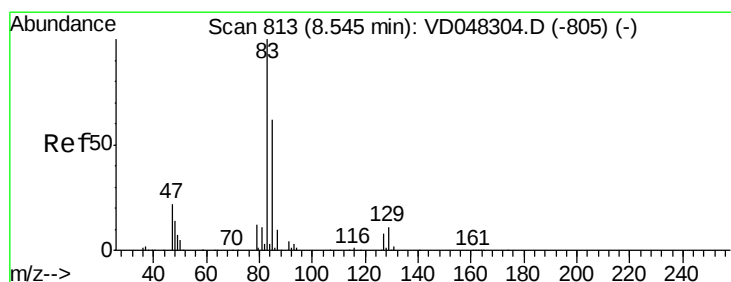
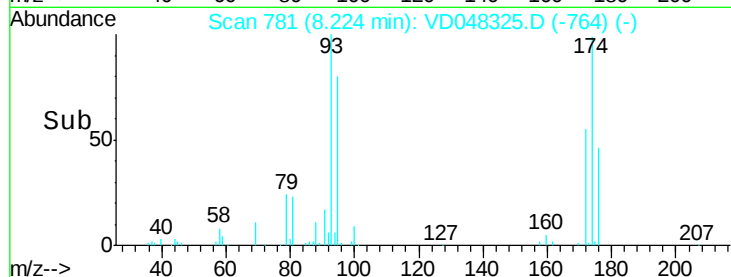
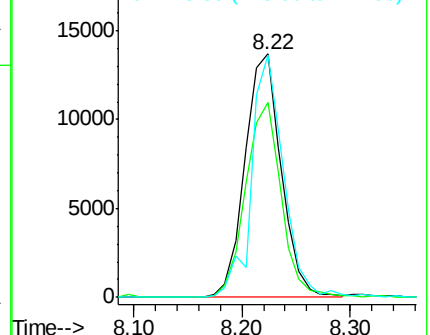
93 100

95 80.0 64.4 96.6

174 99.4 74.6 112.0



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



#46

Bromodichloromethane

Concen: 21.05 ug/l

RT: 8.51 min Scan# 810

Delta R.T. -0.04 min

Lab File: VD048325.D

Acq: 6 Jan 2016 16:38

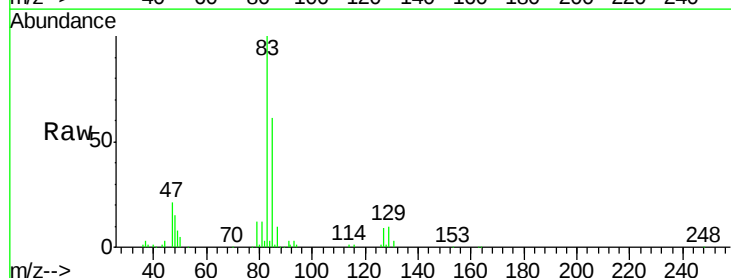
Tgt Ion: 83 Resp: 69964

Ion Ratio Lower Upper

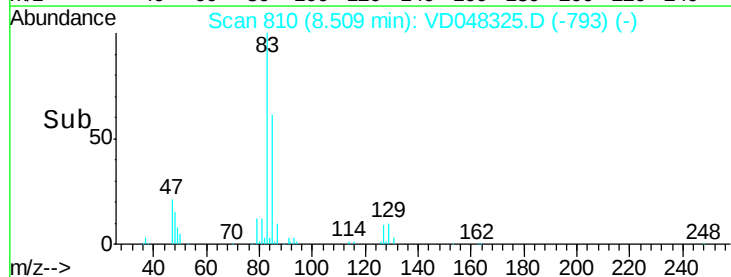
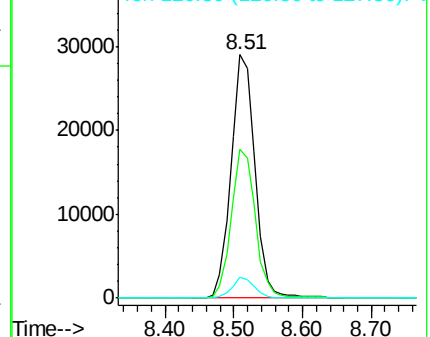
83 100

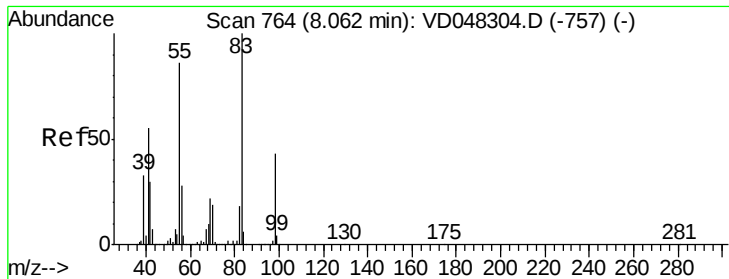
85 61.1 48.7 73.1

127 8.7 6.8 10.2



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

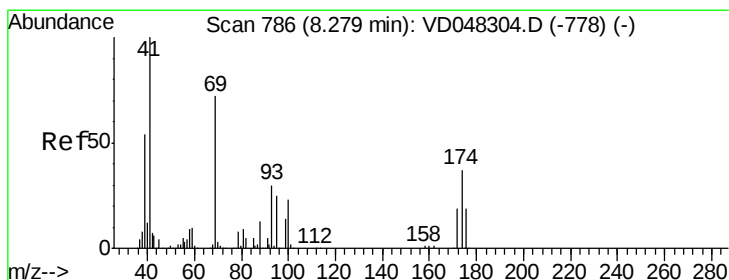
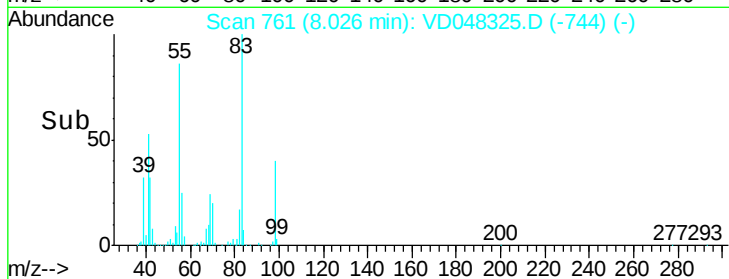
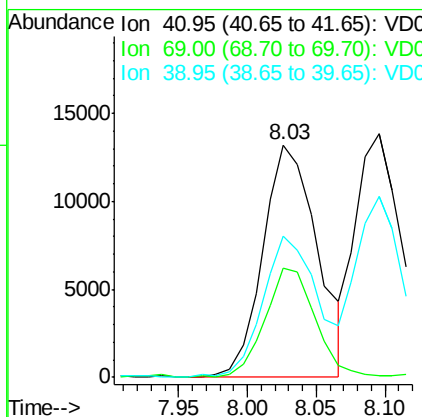
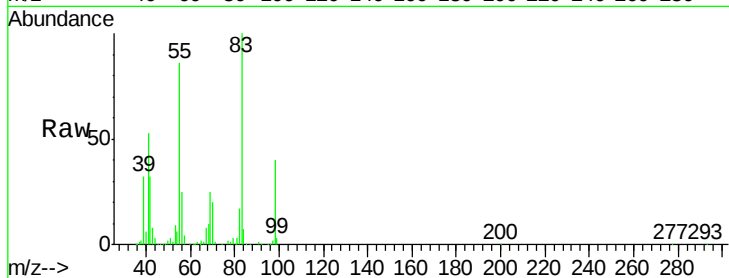




#47
Methvl methacrvlate
Concen: 17.60 ug/l
RT: 8.03 min Scan# 761
Delta R.T. -0.04 min
Lab File: VD048325.D
Acq: 6 Jan 2016 16:38

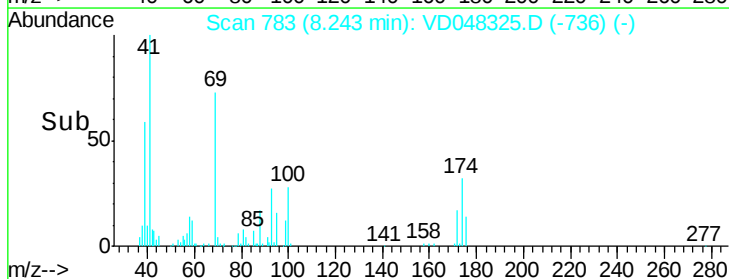
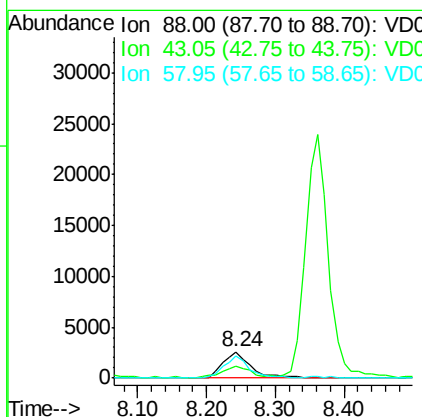
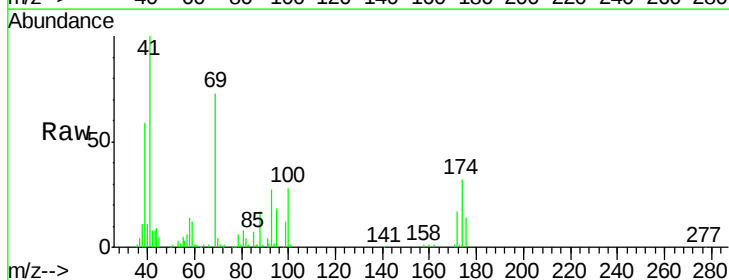
Instrument :
BNA_F
ClientSampleId :

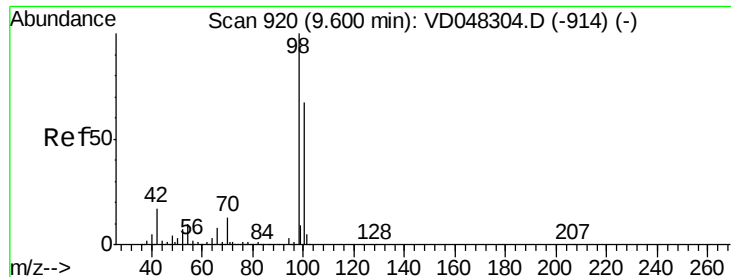
Tot Ion: 41 Resp: 36352
Ion Ratio Lower Upper
41 100
69 46.7 34.6 52.0
39 60.9 45.6 68.4



#48
1,4-Dioxane
Concen: 589.90 ug/l
RT: 8.24 min Scan# 783
Delta R.T. -0.04 min
Lab File: VD048325.D
Acq: 6 Jan 2016 16:38

Tgt Ion: 88 Resp: 7391
Ion Ratio Lower Upper
88 100
43 46.4 42.7 64.1
58 86.9 63.9 95.9





#49

Toluene-d8

Concen: 589.90 ug/l

RT: 9.56 min Scan# 917

Delta R.T. -0.04 min

Lab File: VD048325.D

Acq: 6 Jan 2016 16:38

Instrument :

BNA_F

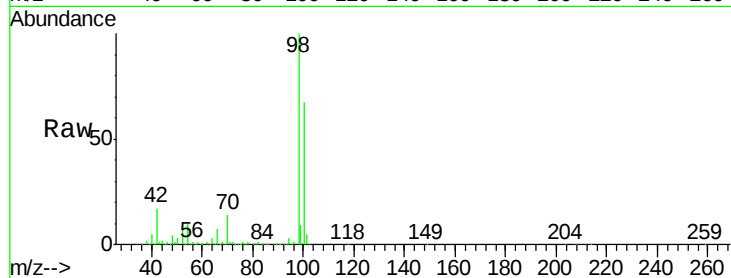
ClientSampleId :

Tot Ion: 98 Resp: 398924

Ion Ratio Lower Upper

98 100

100 66.7 55.8 83.6



Abundance Ion 98.05 (97.75 to 98.75): VD048304.D (-914) (-)

Ion 100.05 (99.75 to 100.75): VD048304.D (-914) (-)

200000

150000

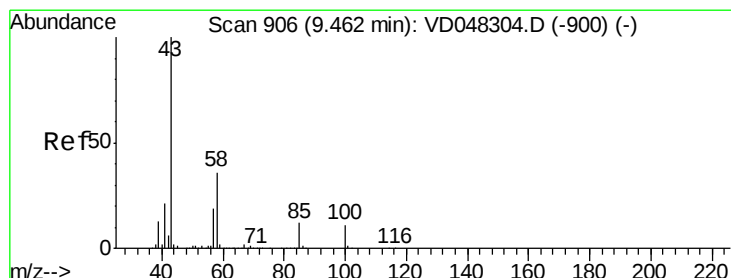
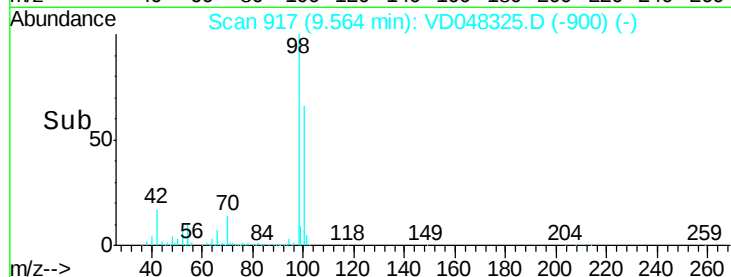
100000

50000

0

9.40 9.50 9.60 9.70

Time-->



#50

4-Methyl-2-Pentanone

Concen: 133.45 ug/l

RT: 9.44 min Scan# 904

Delta R.T. -0.03 min

Lab File: VD048325.D

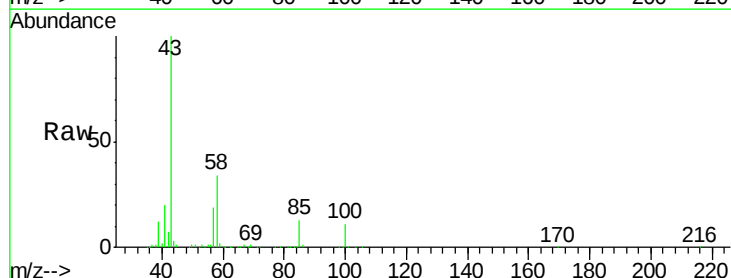
Acq: 6 Jan 2016 16:38

Tgt Ion: 43 Resp: 192457

Ion Ratio Lower Upper

43 100

58 34.1 28.5 42.7



Abundance Ion 42.95 (42.65 to 43.65): VD048304.D (-900) (-)

Ion 57.95 (57.65 to 58.65): VD048304.D (-900) (-)

80000

60000

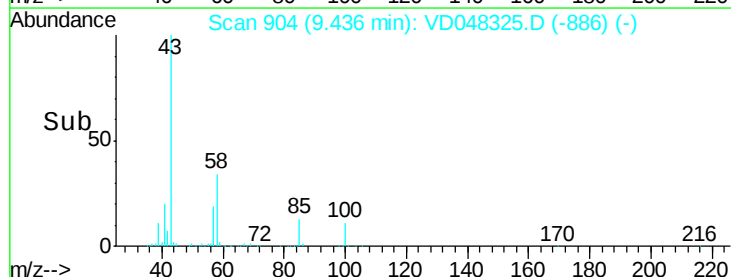
40000

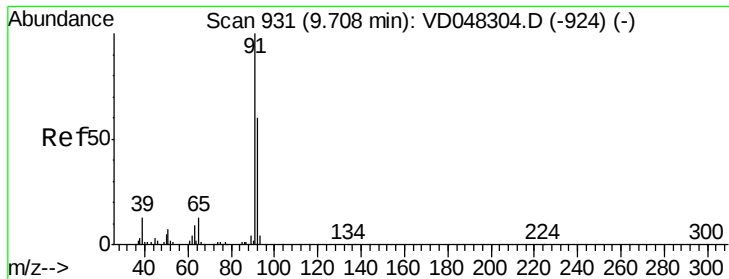
20000

0

9.30 9.40 9.50

Time-->





#51

Toluene

Concen: 20.21 ug/l

RT: 9.67 min Scan# 928

Delta R.T. -0.03 min

Lab File: VD048325.D

Acq: 6 Jan 2016 16:38

Instrument :

BNA_F

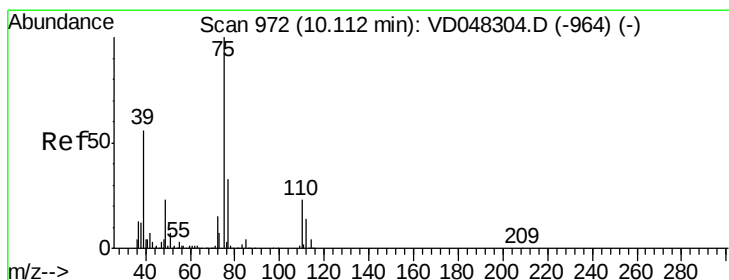
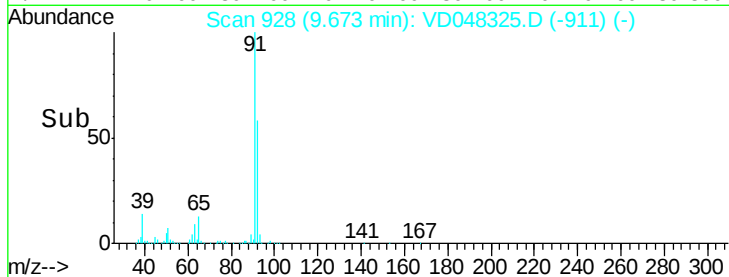
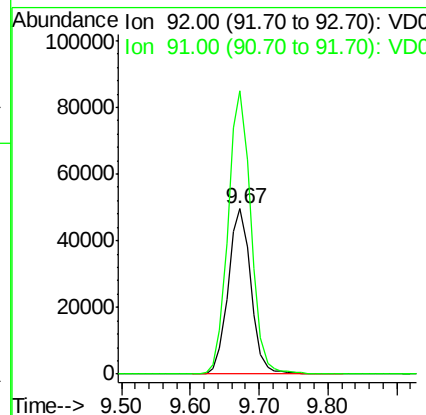
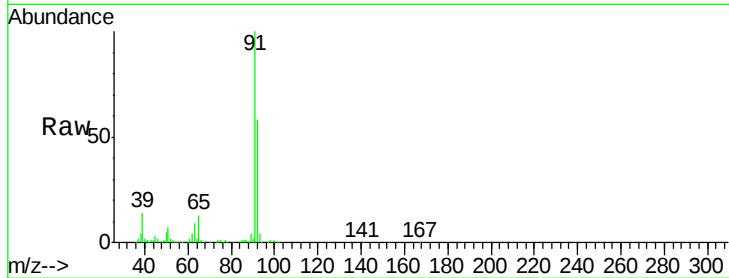
ClientSampled :

Tot Ion: 92 Resp: 113634

Ion Ratio Lower Upper

92 100

91 171.2 133.4 200.2



#52

t-1,3-Dichloropropene

Concen: 21.60 ug/l

RT: 10.08 min Scan# 969

Delta R.T. -0.04 min

Lab File: VD048325.D

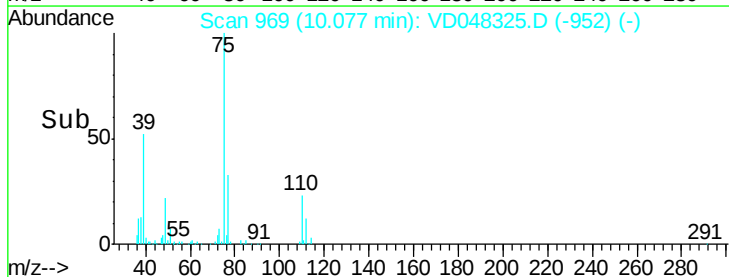
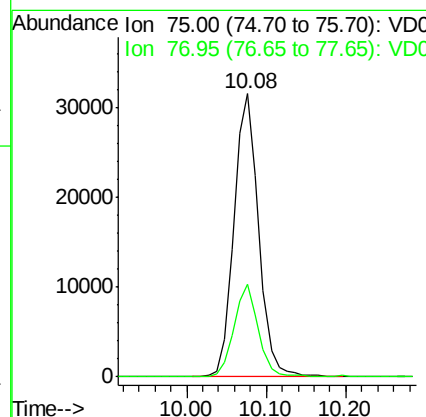
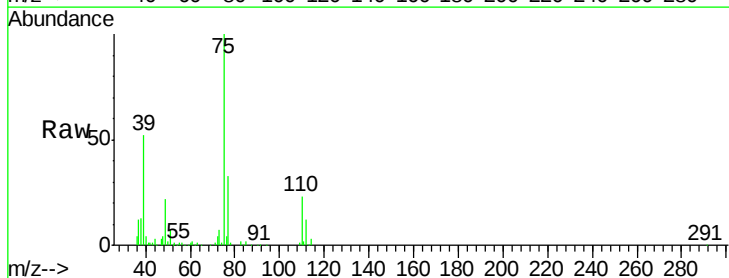
Acq: 6 Jan 2016 16:38

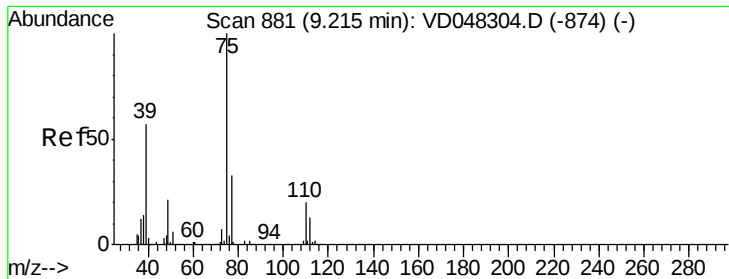
Tgt Ion: 75 Resp: 68484

Ion Ratio Lower Upper

75 100

77 32.8 26.4 39.6





#53

cis-1,3-Dichloropropene

Concen: 21.19 ug/l

RT: 9.18 min Scan# 878

Delta R.T. -0.04 min

Lab File: VD048325.D

Acq: 6 Jan 2016 16:38

Instrument :

BNA_F

ClientSampleId :

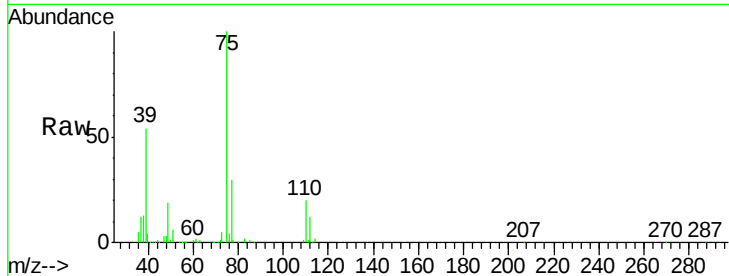
Tot Ion: 75 Resp: 83706

Ion Ratio Lower Upper

75 100

77 29.9 25.8 38.6

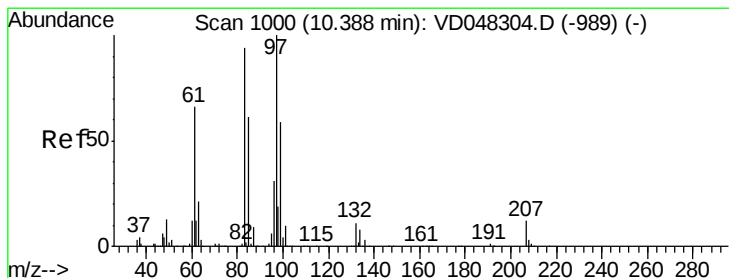
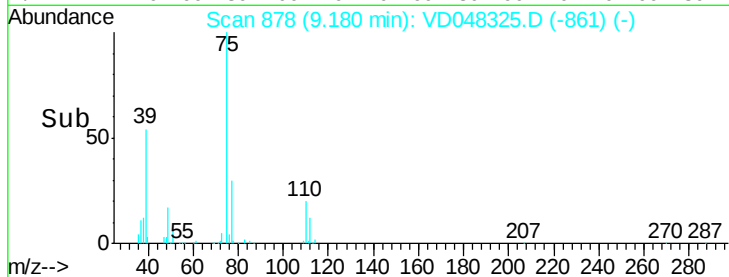
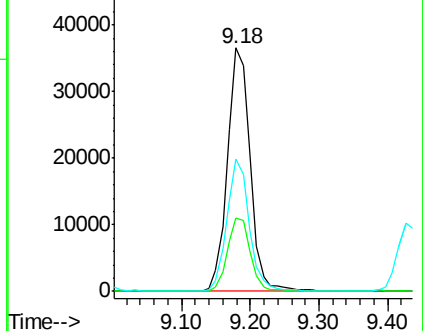
39 54.5 41.5 62.3



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: 22.77 ug/l

RT: 10.35 min Scan# 997

Delta R.T. -0.04 min

Lab File: VD048325.D

Acq: 6 Jan 2016 16:38

Tgt Ion: 97 Resp: 39994

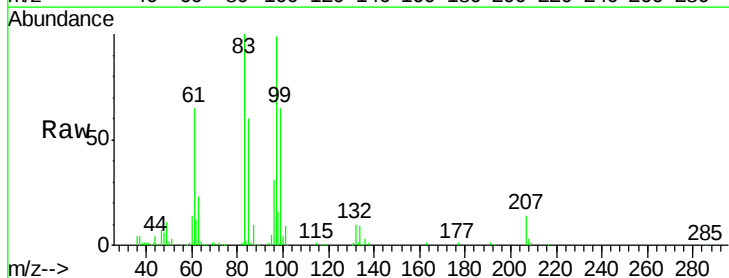
Ion Ratio Lower Upper

97 100

83 100.8 78.2 117.2

85 60.2 48.1 72.1

99 65.4 50.0 75.0

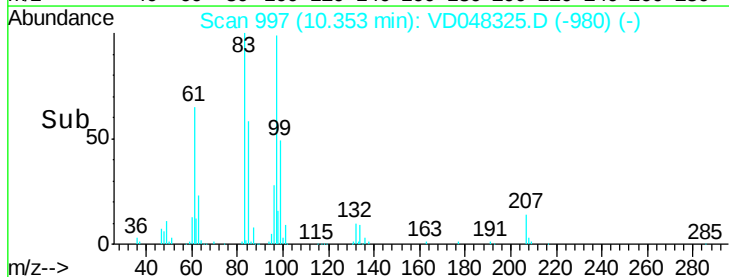
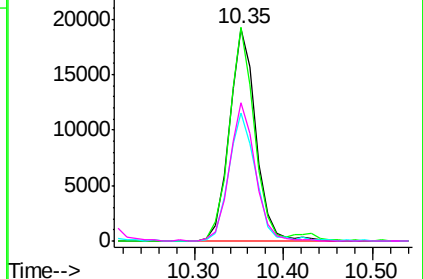


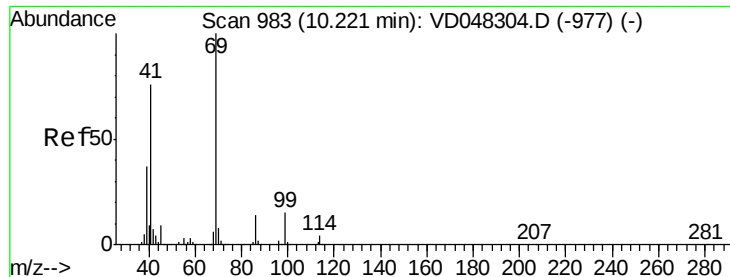
Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC





#55

Ethyl methacrylate

Concen: 24.77 ug/l

RT: 10.19 min Scan# 981

Delta R.T. -0.03 min

Lab File: VD048325.D

Acq: 6 Jan 2016 16:38

Instrument :

BNA_F

ClientSampleId :

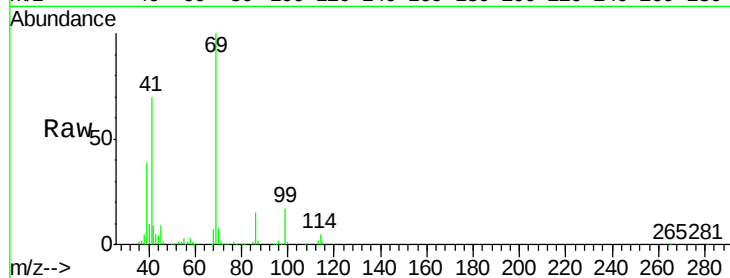
Tot Ion: 69 Resp: 53001

Ion Ratio Lower Upper

69 100

41 69.9 55.3 82.9

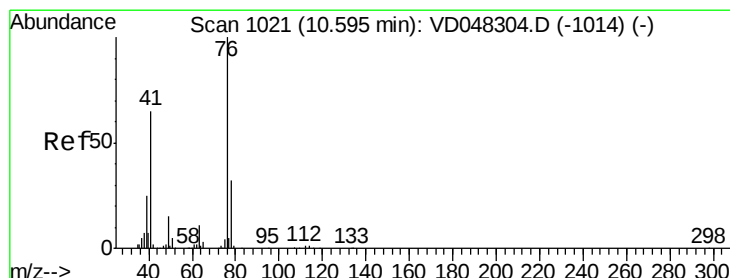
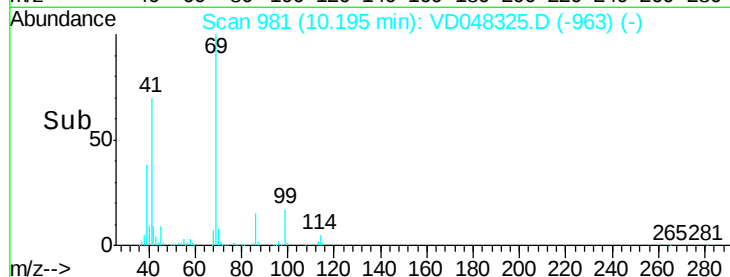
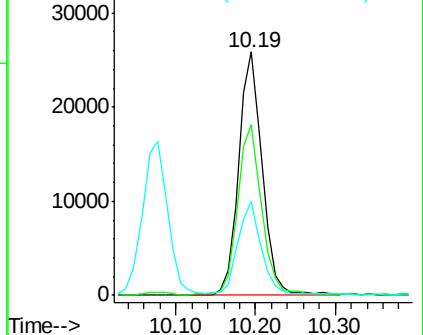
39 38.7 29.4 44.2



Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC



#56

1,3-Dichloropropane

Concen: 23.27 ug/l

RT: 10.57 min Scan# 1019

Delta R.T. -0.03 min

Lab File: VD048325.D

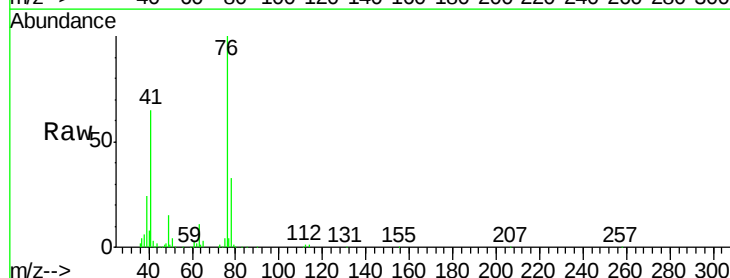
Acq: 6 Jan 2016 16:38

Tgt Ion: 76 Resp: 81447

Ion Ratio Lower Upper

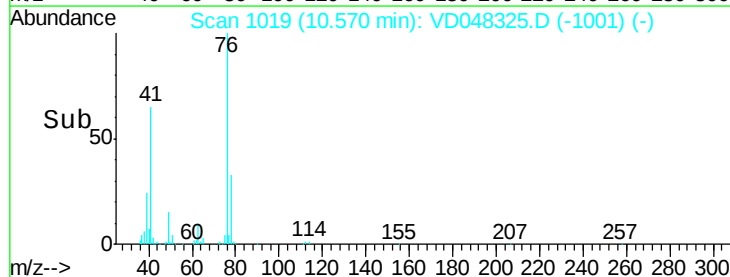
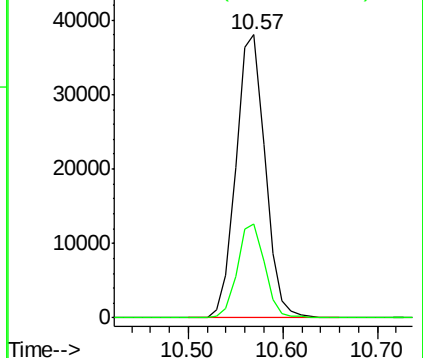
76 100

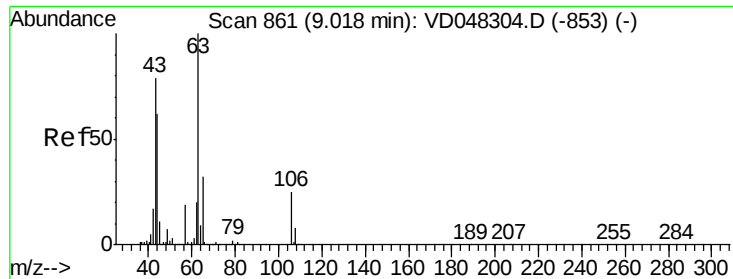
78 33.1 25.8 38.8



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: 105.76 ug/l

RT: 8.98 min Scan# 858

Delta R.T. -0.03 min

Lab File: VD048325.D

Acq: 6 Jan 2016 16:38

Instrument :

BNA_F

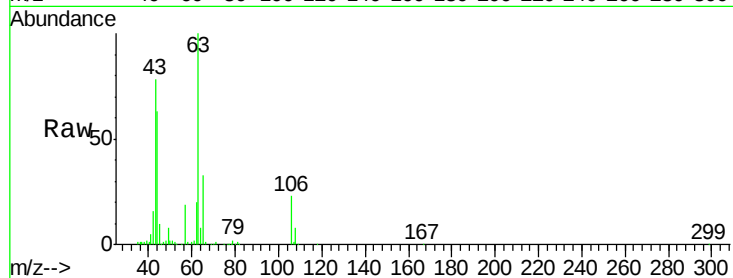
ClientSampleId :

Tot Ion: 63 Resp: 131744

Ion Ratio Lower Upper

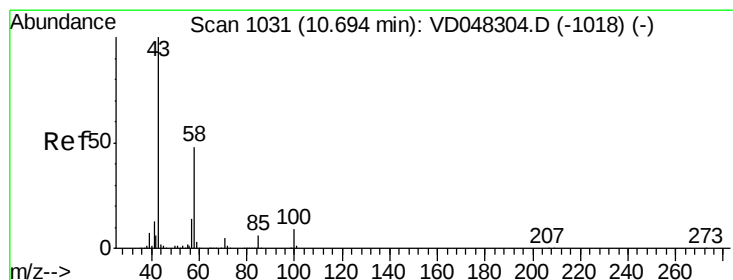
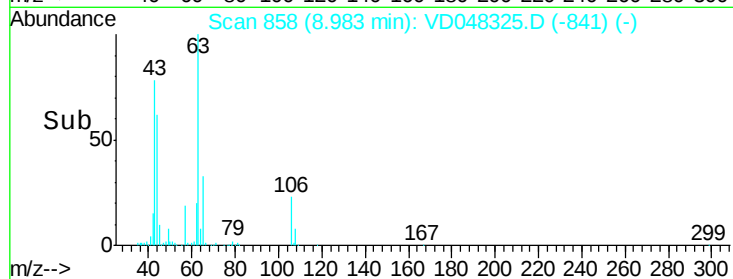
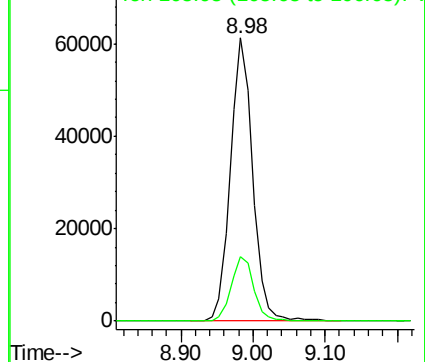
63 100

106 22.8 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: 140.90 ug/l

RT: 10.67 min Scan# 1029

Delta R.T. -0.02 min

Lab File: VD048325.D

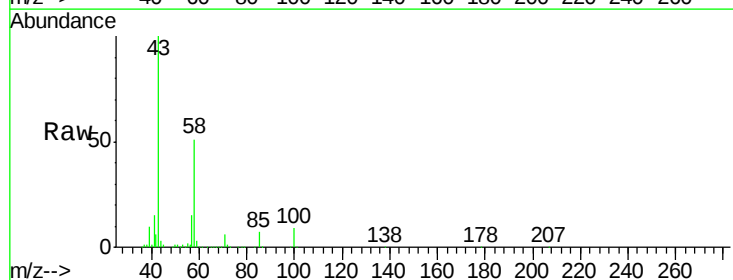
Acq: 6 Jan 2016 16:38

Tgt Ion: 43 Resp: 142747

Ion Ratio Lower Upper

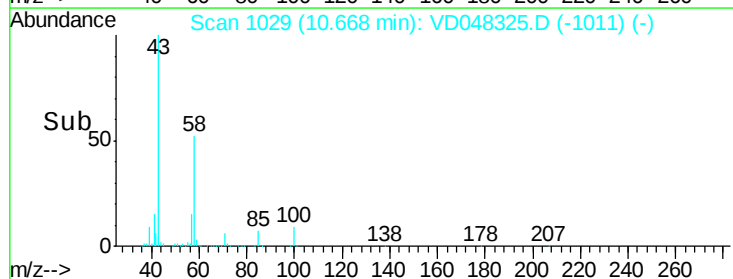
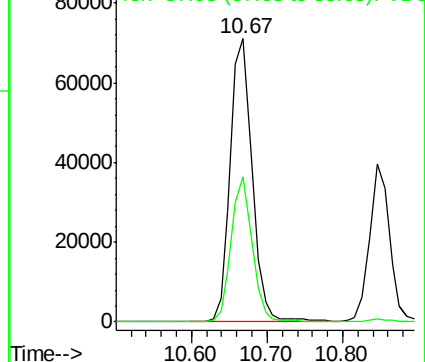
43 100

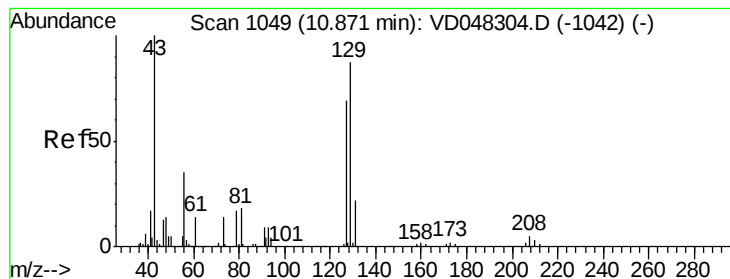
58 51.4 24.4 73.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#59

Dibromochloromethane

Concen: 21.69 ug/l

RT: 10.85 min Scan# 1047

Delta R.T. -0.03 min

Lab File: VD048325.D

Acq: 6 Jan 2016 16:38

Instrument :

BNA_F

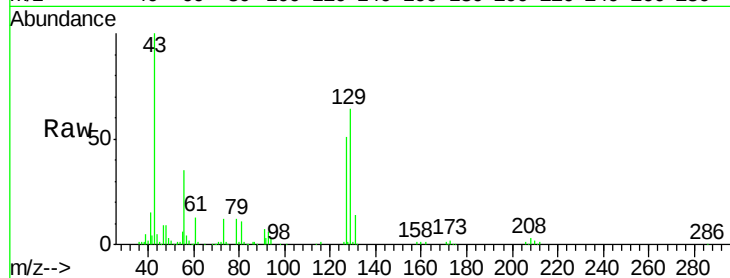
ClientSampleId :

Tot Ion:129 Resp: 50480

Ion Ratio Lower Upper

129 100

127 78.7 37.5 112.7



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

10.85

25000

20000

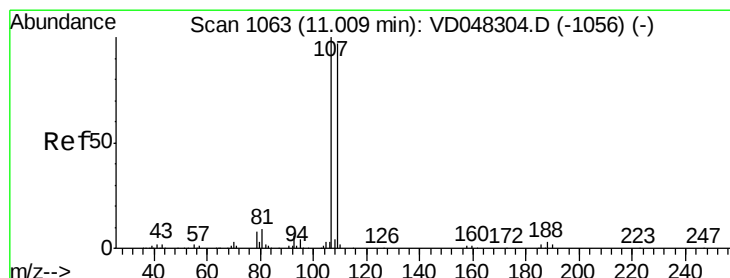
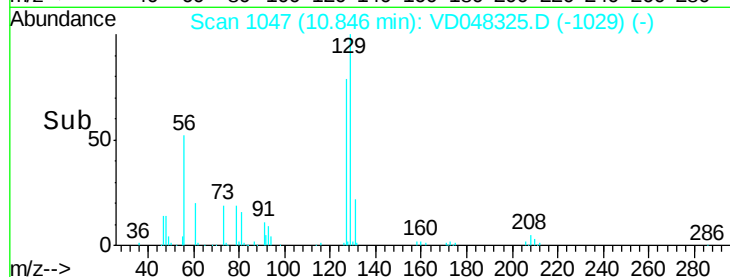
15000

10000

5000

0

Time-->



#60

1,2-Dibromoethane

Concen: 22.35 ug/l

RT: 10.97 min Scan# 1060

Delta R.T. -0.04 min

Lab File: VD048325.D

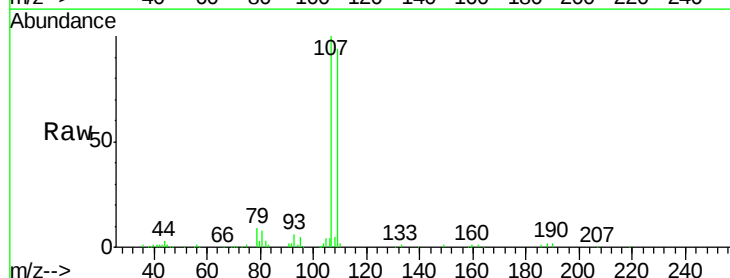
Acq: 6 Jan 2016 16:38

Tgt Ion:107 Resp: 42059

Ion Ratio Lower Upper

107 100

109 94.0 77.3 115.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.97

25000

20000

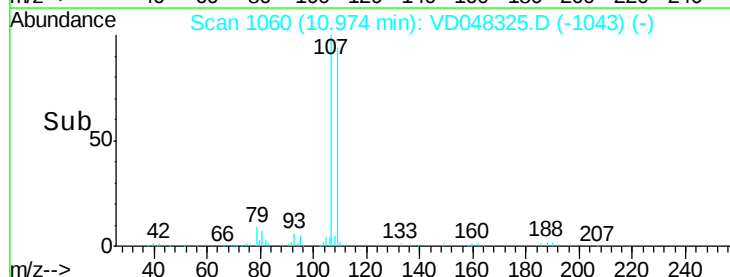
15000

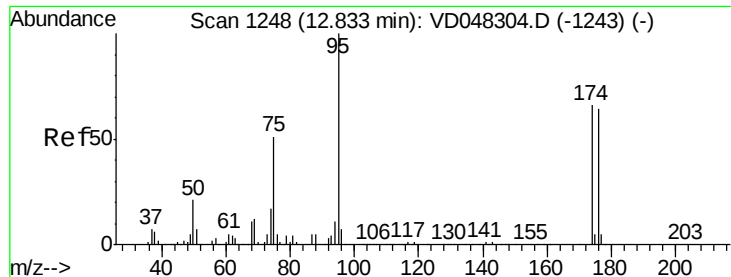
10000

5000

0

Time-->

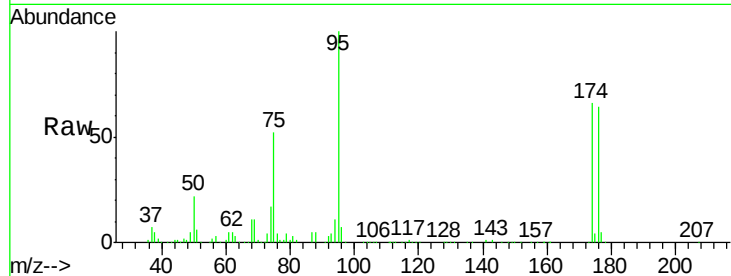




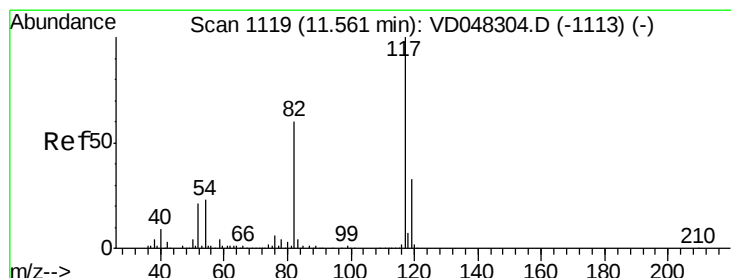
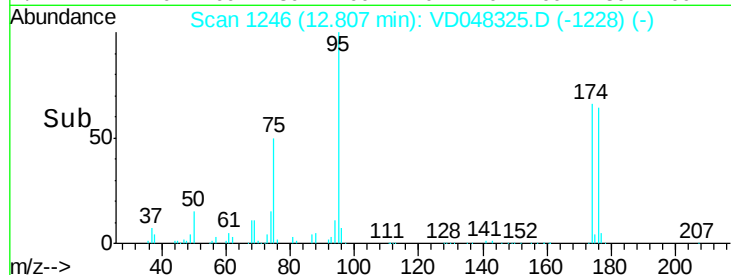
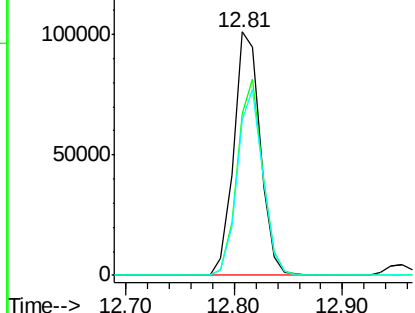
#61
4-Bromofluorobenzene
Concen: 22.35 ug/l
RT: 12.81 min Scan# 1246
Delta R.T. -0.03 min
Lab File: VD048325.D
Acq: 6 Jan 2016 16:38

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 95 Resp: 172540
Ion Ratio Lower Upper
95 100
174 66.4 0.0 156.2
176 64.0 0.0 147.4

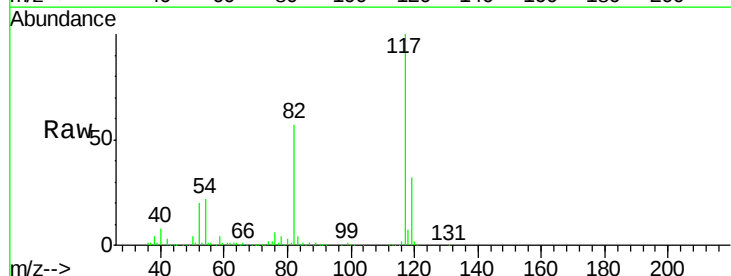


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

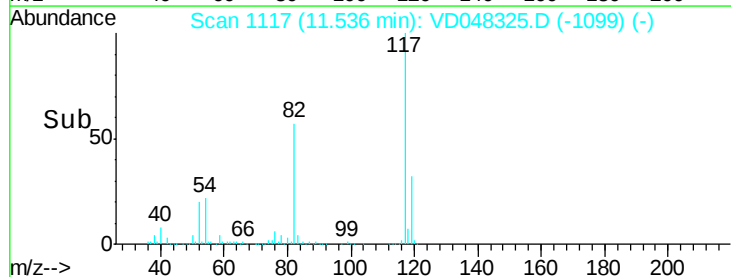
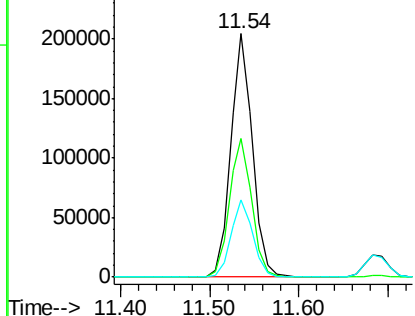


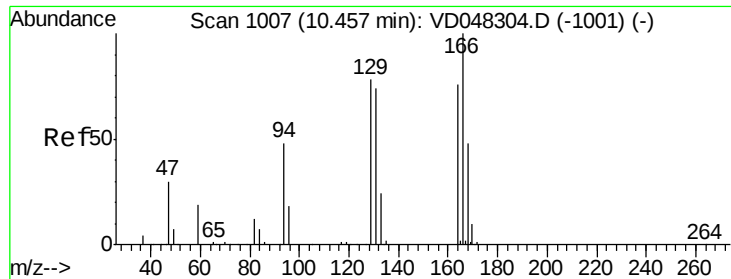
#62
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.54 min Scan# 1117
Delta R.T. -0.03 min
Lab File: VD048325.D
Acq: 6 Jan 2016 16:38

Tgt Ion: 117 Resp: 349932
Ion Ratio Lower Upper
117 100
82 57.1 46.8 70.2
119 31.9 26.1 39.1



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





#63

Tetrachloroethene

Concen: 19.58 ug/l

RT: 10.43 min Scan# 1005

Delta R.T. -0.03 min

Lab File: VD048325.D

Acq: 6 Jan 2016 16:38

Instrument :

BNA_F

ClientSampleId :

Tot Ion:164 Resp: 42445

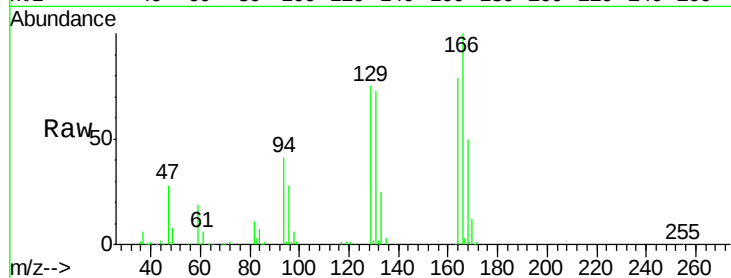
Ion Ratio Lower Upper

164 100

166 127.1 103.9 155.9

129 95.4 78.9 118.3

131 93.0 77.0 115.6

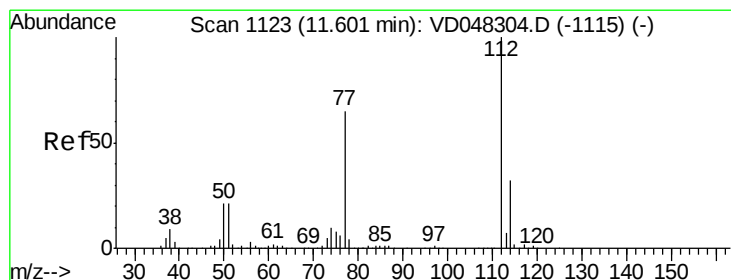
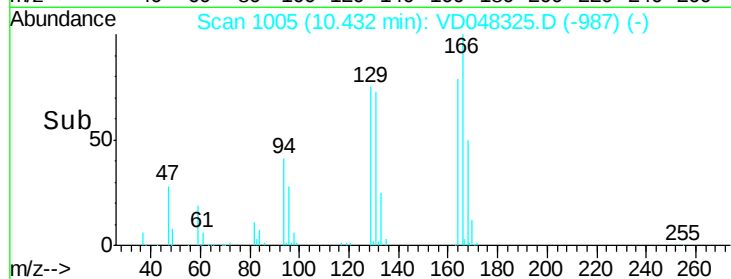
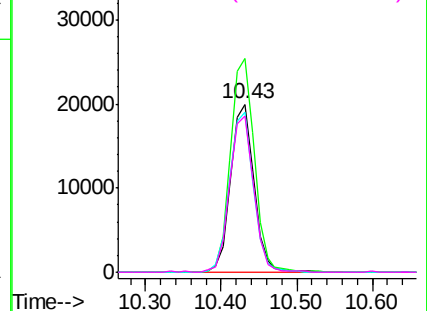


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.85 (165.55 to 166.55): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#64

Chlorobenzene

Concen: 20.68 ug/l

RT: 11.57 min Scan# 1120

Delta R.T. -0.04 min

Lab File: VD048325.D

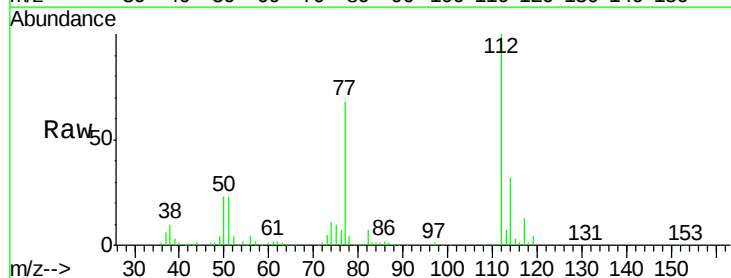
Acq: 6 Jan 2016 16:38

Tgt Ion:112 Resp: 144230

Ion Ratio Lower Upper

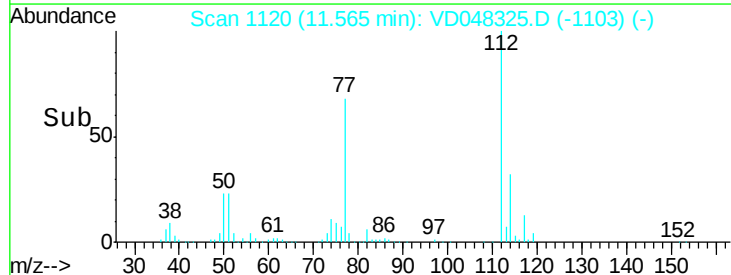
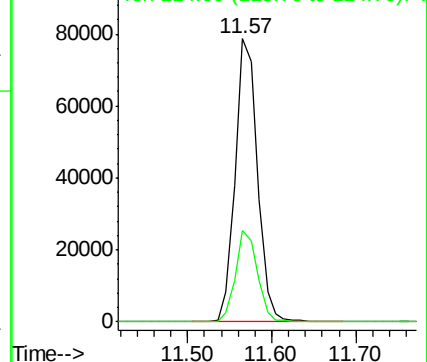
112 100

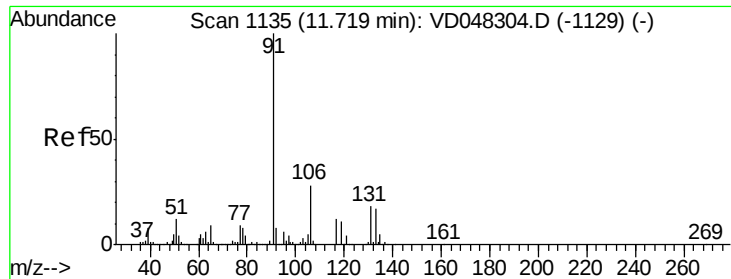
114 32.5 26.1 39.1



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: 20.37 ug/l

RT: 11.68 min Scan# 1132

Delta R.T. -0.04 min

Lab File: VD048325.D

Acq: 6 Jan 2016 16:38

Instrument :

BNA_F

ClientSampleId :

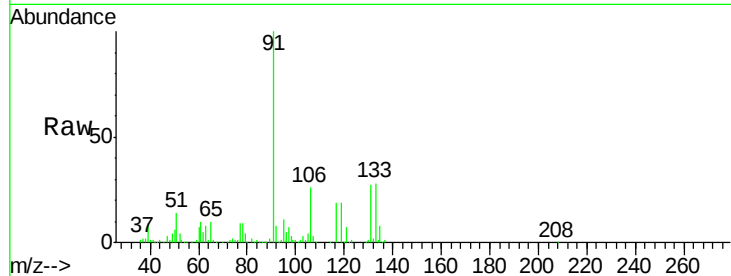
Tot Ion:131 Resp: 50675

Ion Ratio Lower Upper

131 100

133 101.5 47.5 142.6

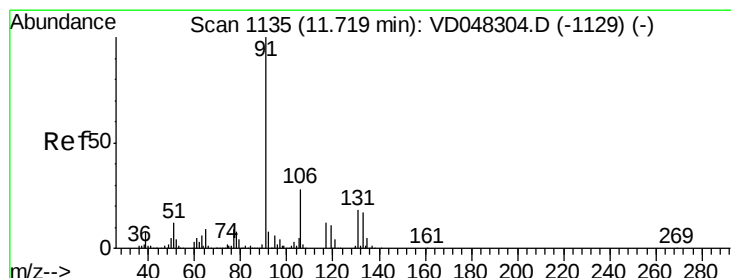
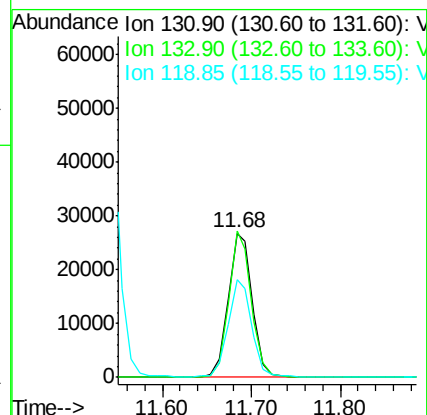
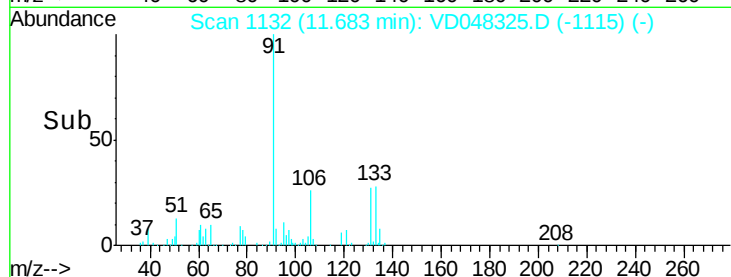
119 67.8 32.9 98.7



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: 19.97 ug/l

RT: 11.69 min Scan# 1133

Delta R.T. -0.03 min

Lab File: VD048325.D

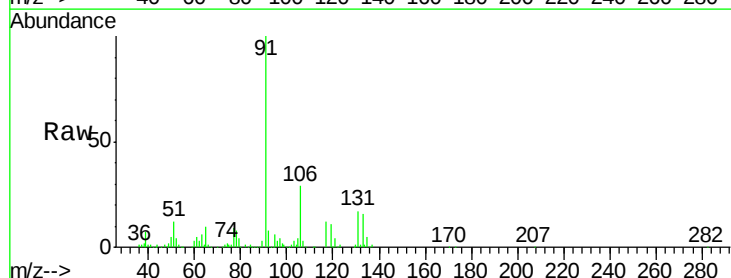
Acq: 6 Jan 2016 16:38

Tgt Ion: 91 Resp: 246458

Ion Ratio Lower Upper

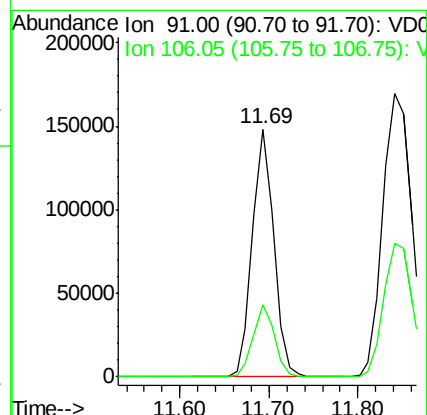
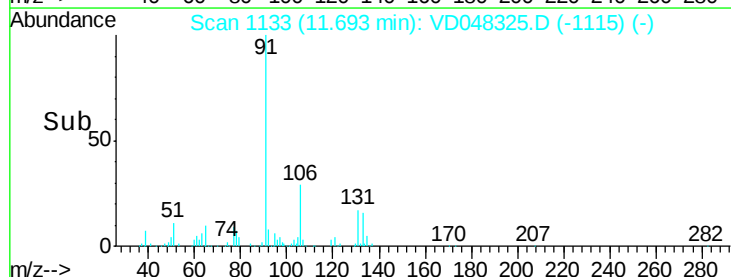
91 100

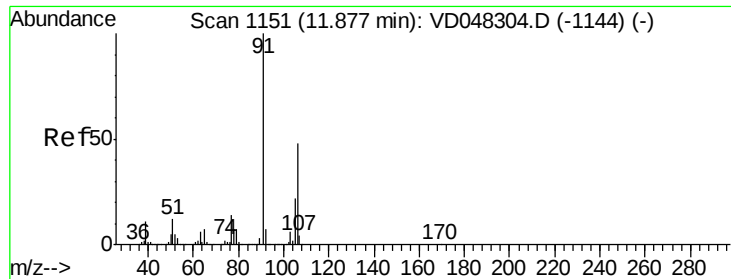
106 29.3 23.8 35.6



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.05 (105.75 to 106.75): V

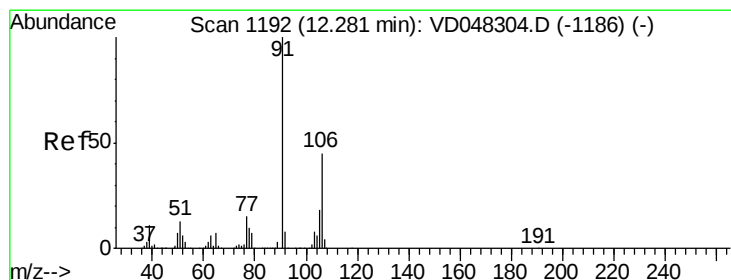
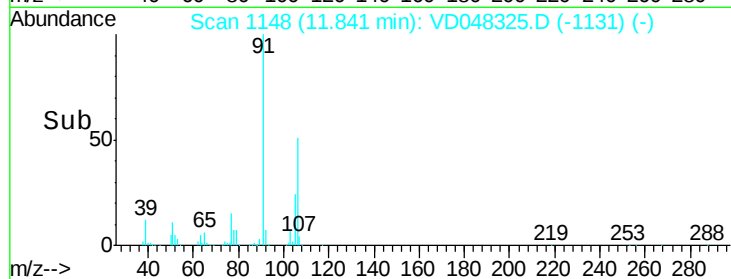
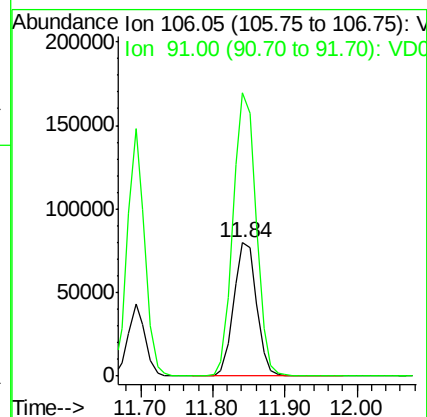
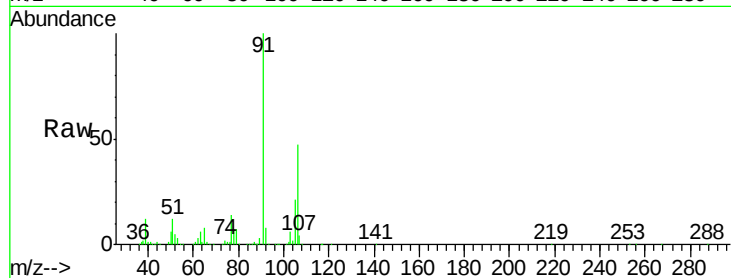




#67
m/p-Xylenes
Concen: 40.49 ug/l
RT: 11.84 min Scan# 1148
Delta R.T. -0.04 min
Lab File: VD048325.D
Acq: 6 Jan 2016 16:38

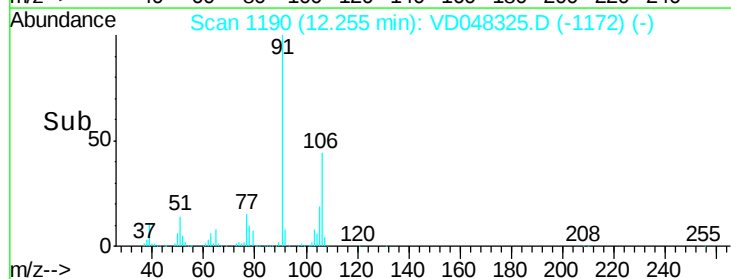
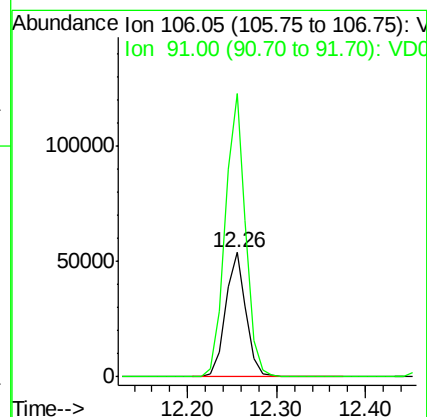
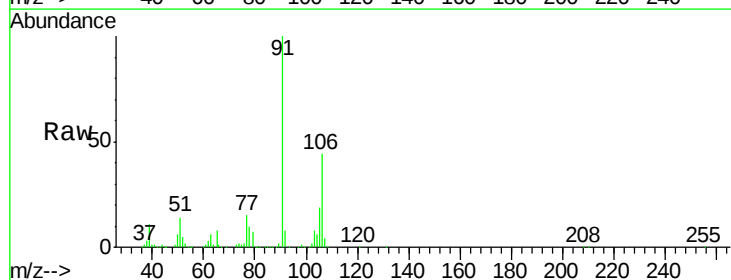
Instrument :
BNA_F
ClientSampleId :

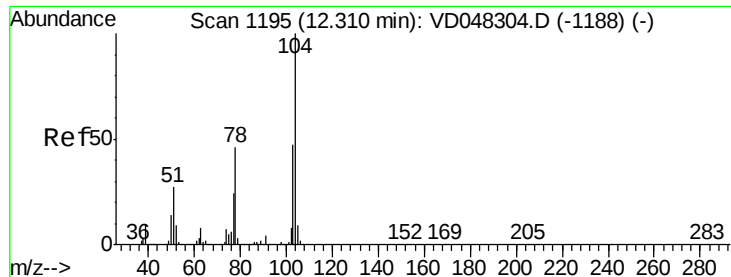
Tot Ion:106 Resp: 176980
Ion Ratio Lower Upper
106 100
91 212.4 162.0 243.0



#68
o-Xylene
Concen: 20.68 ug/l
RT: 12.26 min Scan# 1190
Delta R.T. -0.03 min
Lab File: VD048325.D
Acq: 6 Jan 2016 16:38

Tgt Ion:106 Resp: 86950
Ion Ratio Lower Upper
106 100
91 228.2 111.8 335.3





#69

Stvrene

Concen: 20.97 ug/l

RT: 12.27 min Scan# 1192

Delta R.T. -0.04 min

Lab File: VD048325.D

Acq: 6 Jan 2016 16:38

Instrument :

BNA_F

ClientSampleId :

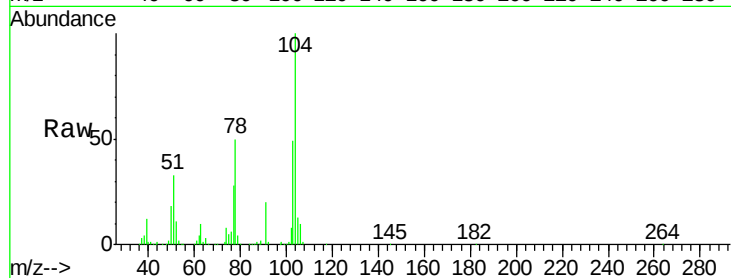
Tot Ion:104 Resp: 141025

Ion Ratio Lower Upper

104 100

78 50.5 37.5 56.3

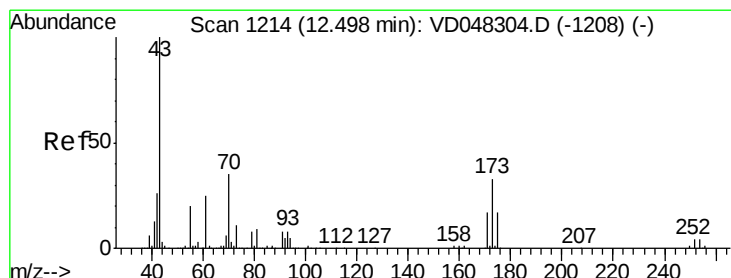
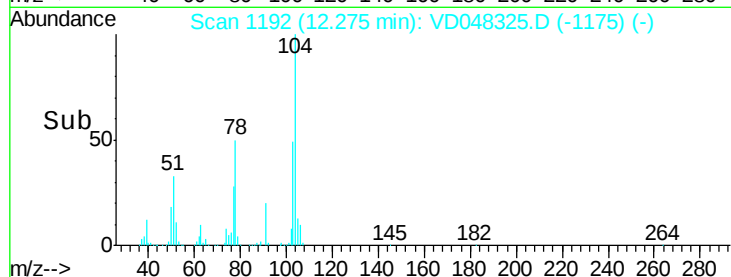
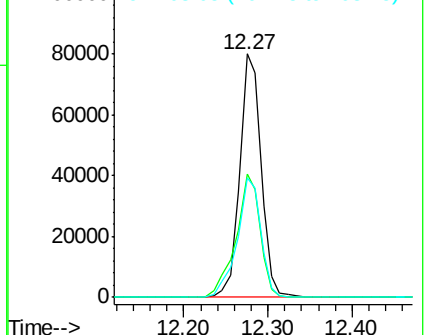
103 49.1 37.3 55.9



Abundance Ion 104.05 (103.75 to 104.75): V

Ion 77.95 (77.65 to 78.65): V

Ion 103.05 (102.75 to 103.75): V



#70

Bromoform

Concen: 21.67 ug/l

RT: 12.47 min Scan# 1212

Delta R.T. -0.03 min

Lab File: VD048325.D

Acq: 6 Jan 2016 16:38

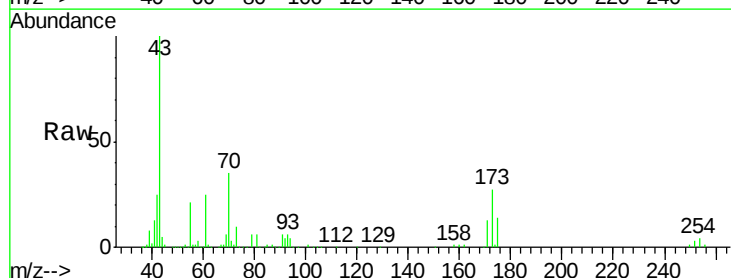
Tgt Ion:173 Resp: 26429

Ion Ratio Lower Upper

173 100

175 49.8 26.0 78.0

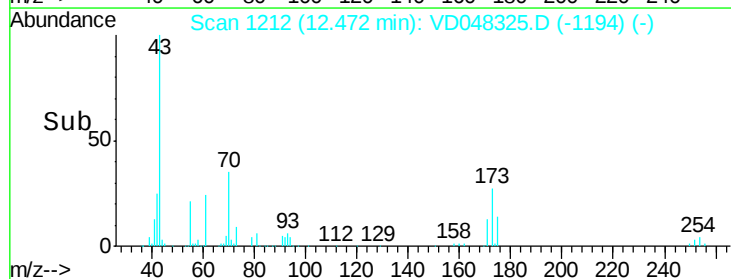
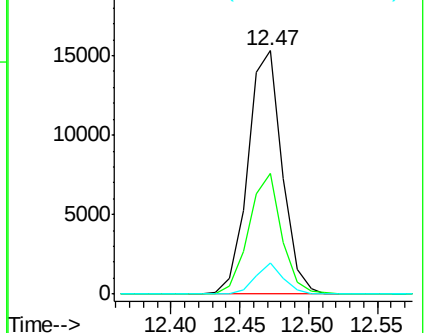
254 12.8 7.7 11.5#

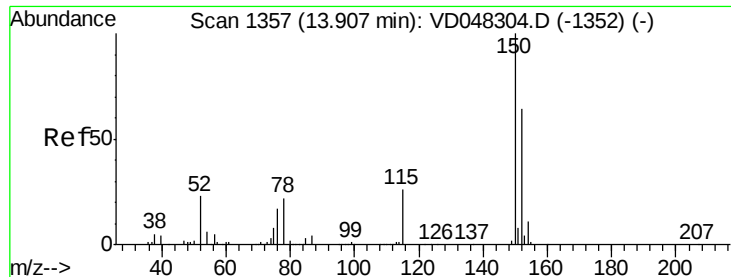


Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V





#71

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.88 min Scan# 1355

Delta R.T. -0.03 min

Lab File: VD048325.D

Acq: 6 Jan 2016 16:38

Instrument :

BNA_F

ClientSampleId :

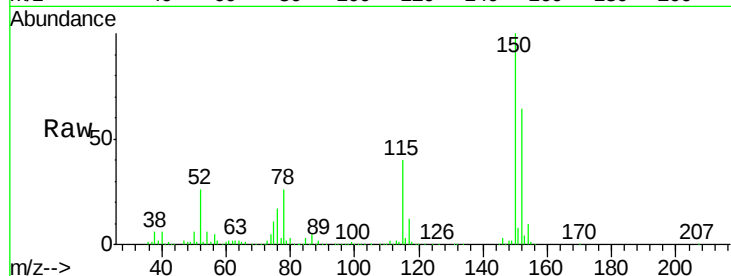
Tot Ion:152 Resp: 155456

Ion Ratio Lower Upper

152 100

115 61.9 32.4 97.2

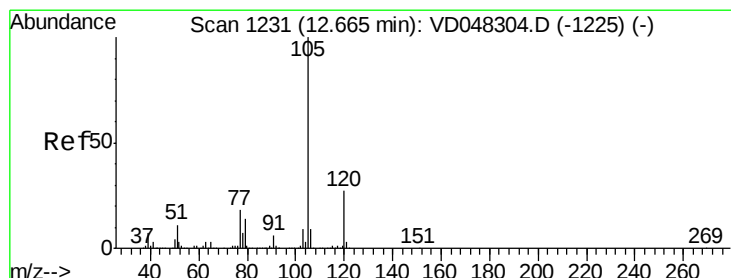
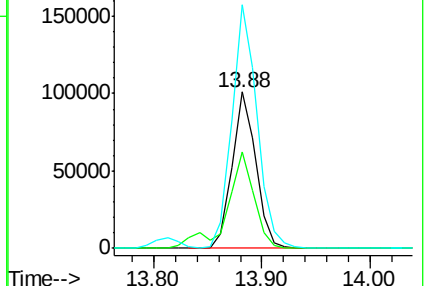
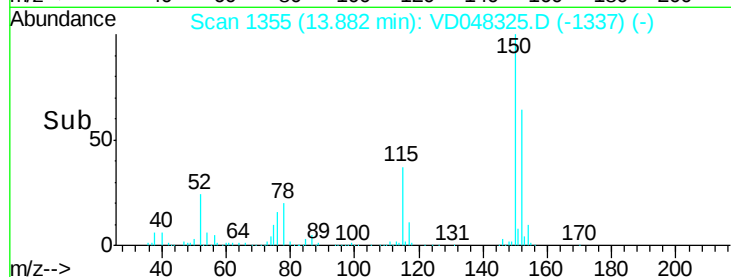
150 156.0 0.0 314.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V



#72

Isopropylbenzene

Concen: 19.87 ug/l

RT: 12.64 min Scan# 1229

Delta R.T. -0.03 min

Lab File: VD048325.D

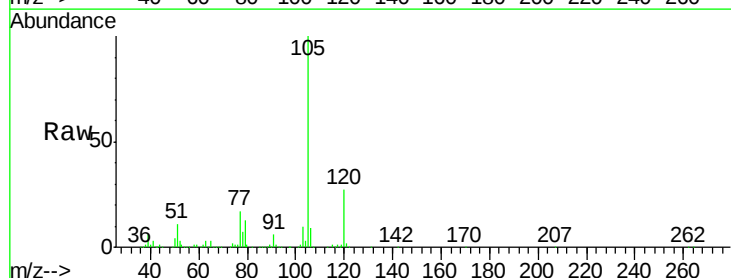
Acq: 6 Jan 2016 16:38

Tgt Ion:105 Resp: 235806

Ion Ratio Lower Upper

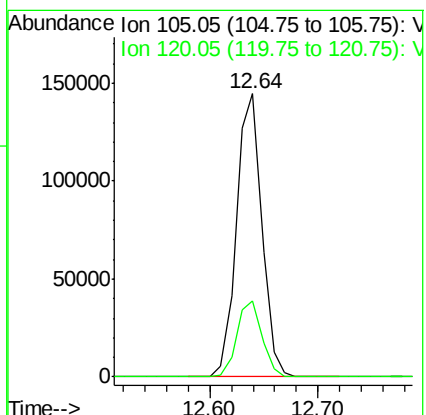
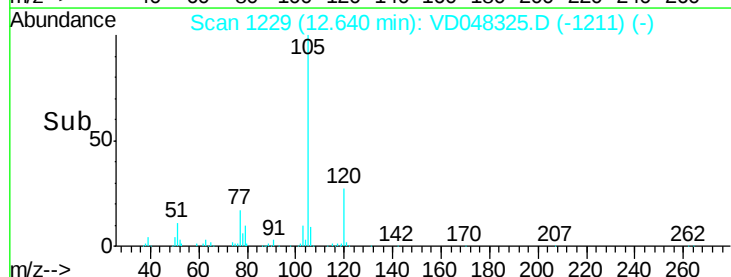
105 100

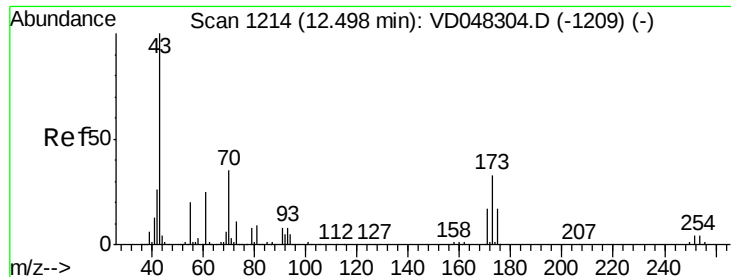
120 26.8 13.1 39.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#73

N-amvl acetate

Concen: 24.73 ug/l

RT: 12.47 min Scan# 1212

Delta R.T. -0.03 min

Lab File: VD048325.D

Acq: 6 Jan 2016 16:38

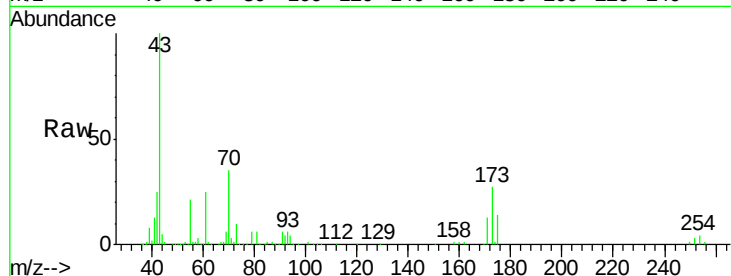
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 43 Resp: 82756

Ion	Ratio	Lower	Upper
43	100		
70	35.4	27.2	40.8
55	20.7	15.4	23.0
61	24.8	19.9	29.9

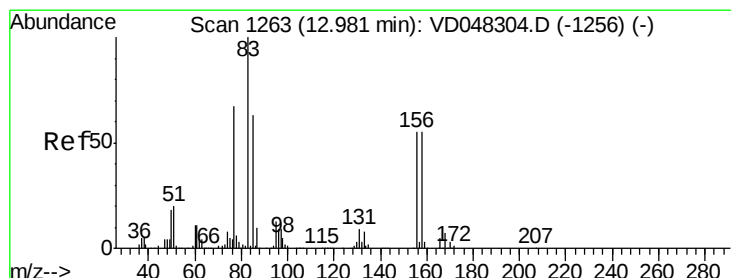
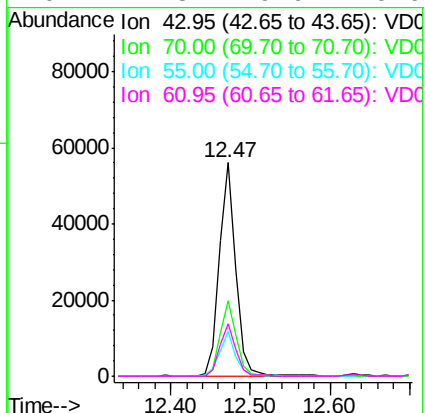
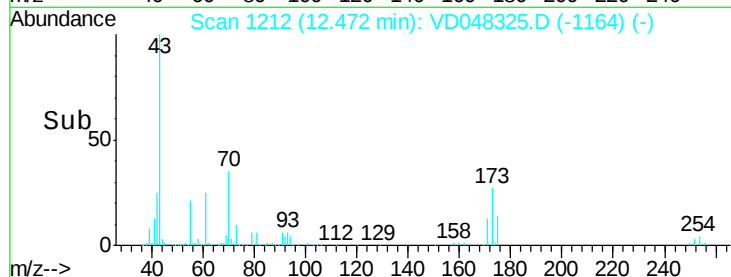


Abundance Ion 42.95 (42.65 to 43.65): VDC

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: 24.01 ug/l

RT: 12.96 min Scan# 1261

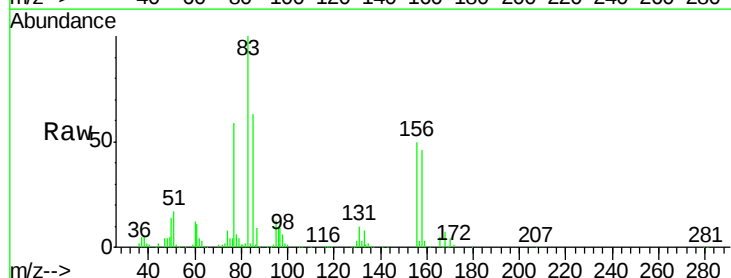
Delta R.T. -0.03 min

Lab File: VD048325.D

Acq: 6 Jan 2016 16:38

Tgt Ion: 83 Resp: 52895

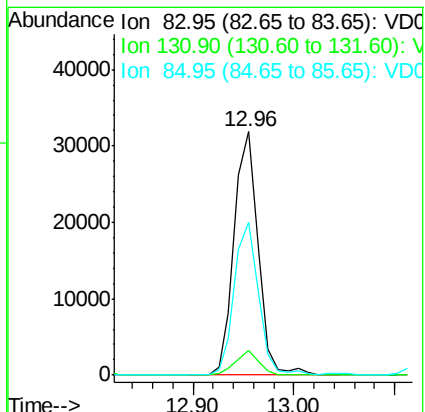
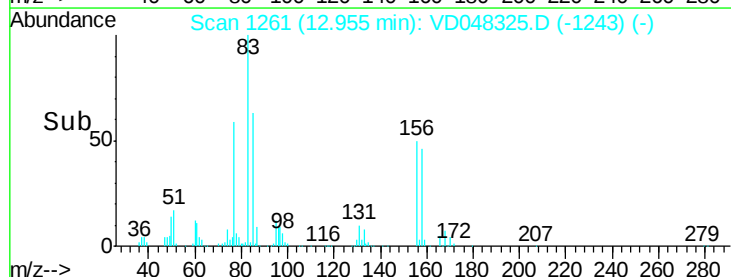
Ion	Ratio	Lower	Upper
83	100		
131	10.1	4.3	13.1
85	62.8	31.1	93.2

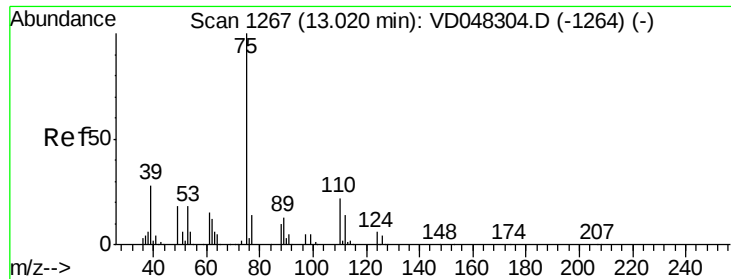


Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): V

Ion 84.95 (84.65 to 85.65): VDC





#75

1,2,3-Trichloropropane

Concen: 23.66 ug/l

RT: 12.99 min Scan# 1265

Delta R.T. -0.03 min

Lab File: VD048325.D

Acq: 6 Jan 2016 16:38

Instrument :

BNA_F

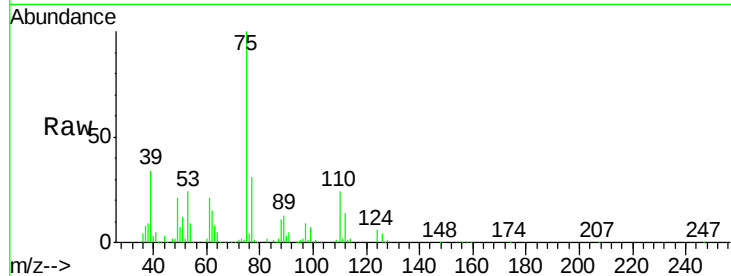
ClientSampleId :

Tot Ion: 75 Resp: 58334

Ion Ratio Lower Upper

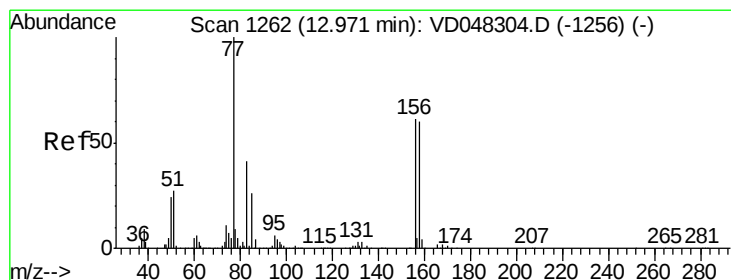
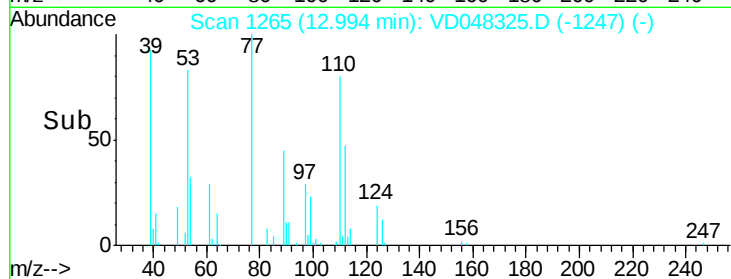
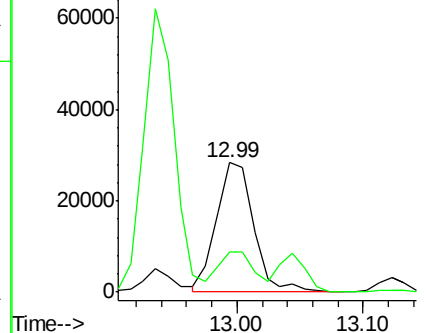
75 100

77 31.3 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: 21.24 ug/l

RT: 12.95 min Scan# 1260

Delta R.T. -0.03 min

Lab File: VD048325.D

Acq: 6 Jan 2016 16:38

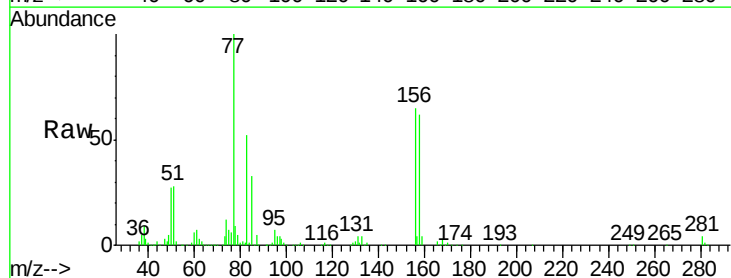
Tgt Ion: 156 Resp: 58869

Ion Ratio Lower Upper

156 100

77 152.9 87.5 262.4

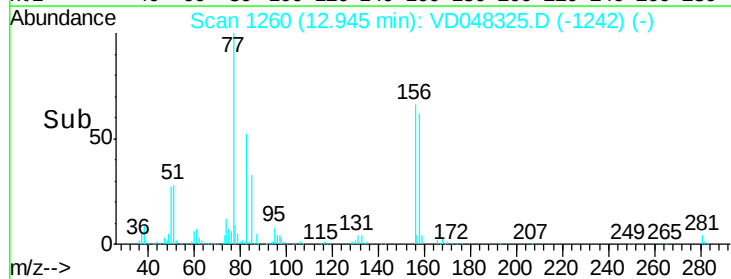
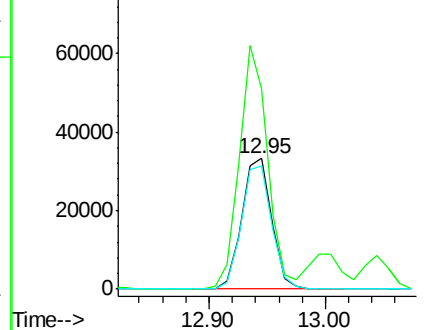
158 94.3 49.5 148.5

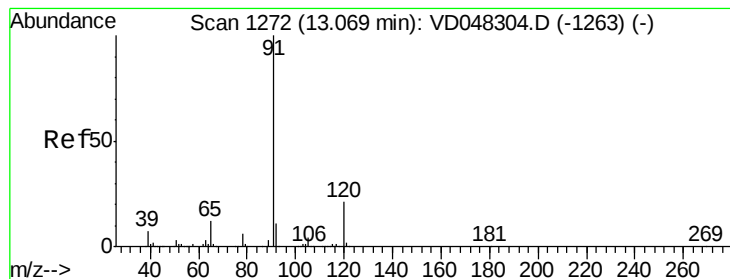


Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V





#77

n-propylbenzene

Concen: 20.08 ug/l

RT: 13.04 min Scan# 1270

Delta R.T. -0.03 min

Lab File: VD048325.D

Acq: 6 Jan 2016 16:38

Instrument :

BNA_F

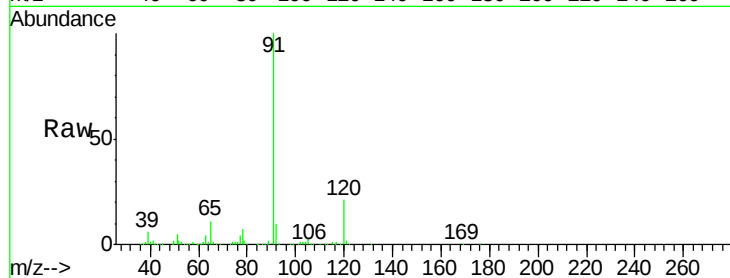
ClientSampleId :

Tot Ion: 91 Resp: 307119

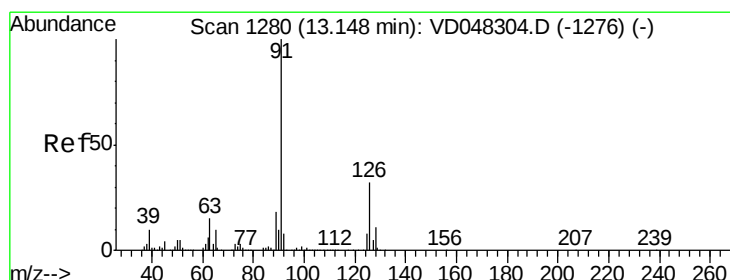
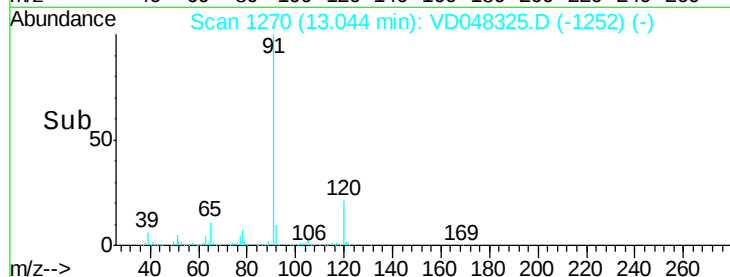
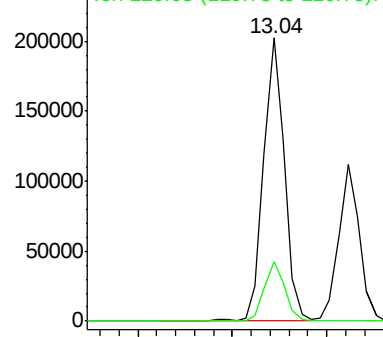
Ion Ratio Lower Upper

91 100

120 21.1 10.4 31.4



Abundance Ion 91.00 (90.70 to 91.70): VDC



#78

2-Chlorotoluene

Concen: 20.08 ug/l

RT: 13.12 min Scan# 1278

Delta R.T. -0.03 min

Lab File: VD048325.D

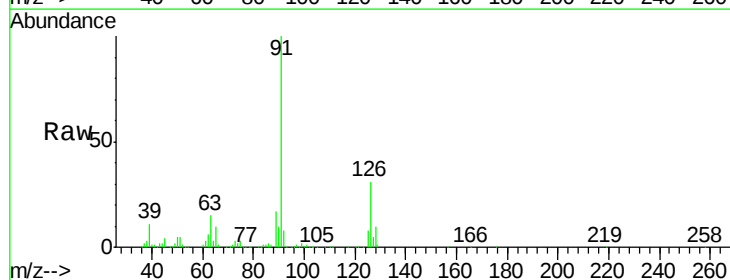
Acq: 6 Jan 2016 16:38

Tgt Ion: 91 Resp: 171708

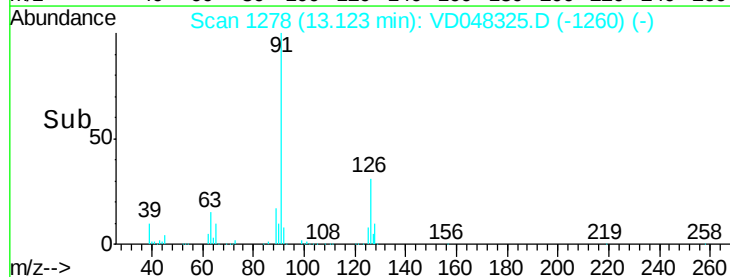
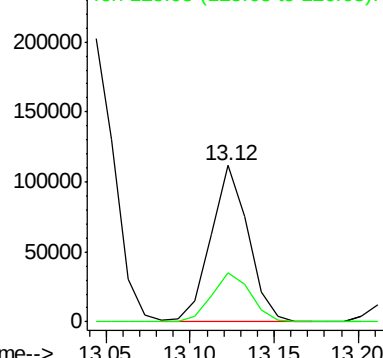
Ion Ratio Lower Upper

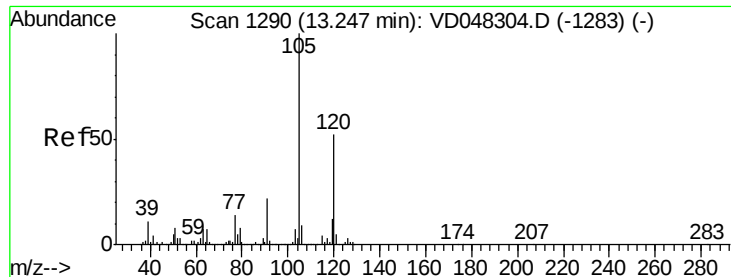
91 100

126 31.3 15.3 45.9



Abundance Ion 91.00 (90.70 to 91.70): VDC





#79

1,3,5-Trimethylbenzene

Concen: 20.13 ug/l

RT: 13.22 min Scan# 1288

Delta R.T. -0.03 min

Lab File: VD048325.D

Acq: 6 Jan 2016 16:38

Instrument :

BNA_F

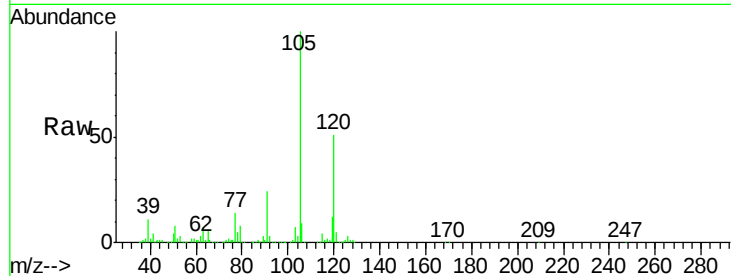
ClientSampled :

Tot Ion:105 Resp: 185955

Ion Ratio Lower Upper

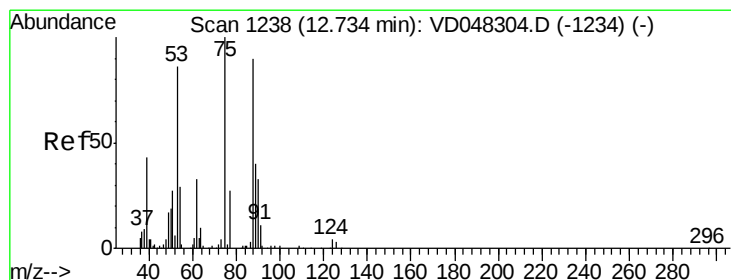
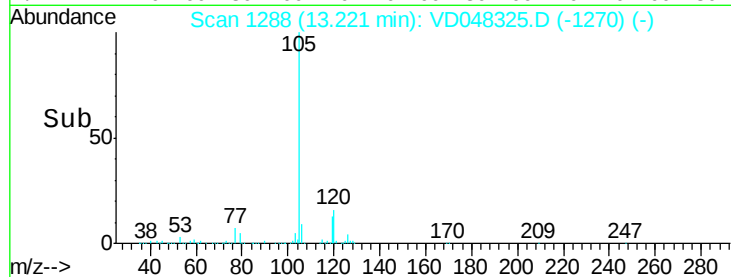
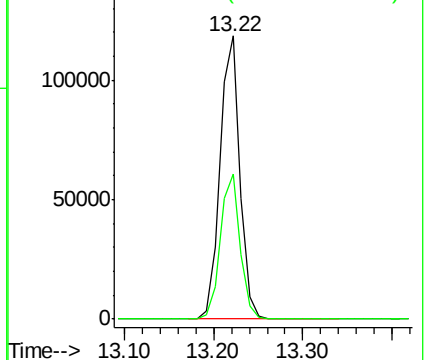
105 100

120 51.2 25.1 75.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#80

trans-1,4-Dichloro-2-butene

Concen: 21.49 ug/l

RT: 12.71 min Scan# 1236

Delta R.T. -0.03 min

Lab File: VD048325.D

Acq: 6 Jan 2016 16:38

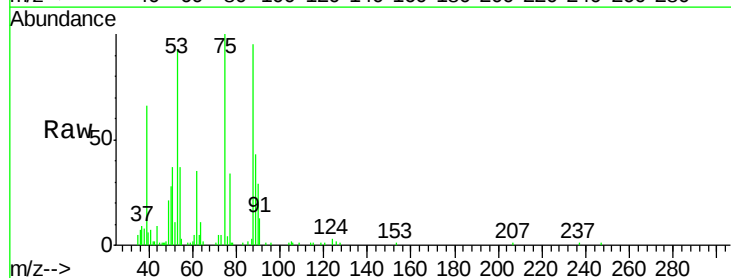
Tgt Ion: 75 Resp: 14247

Ion Ratio Lower Upper

75 100

53 92.7 77.8 116.8

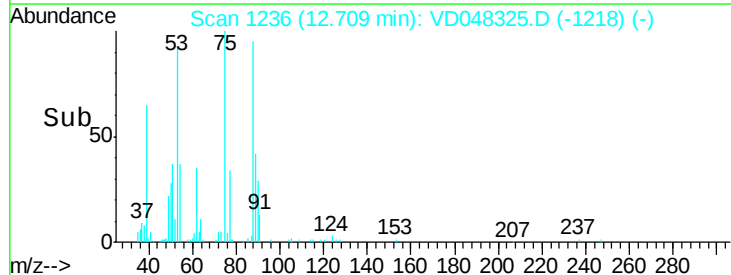
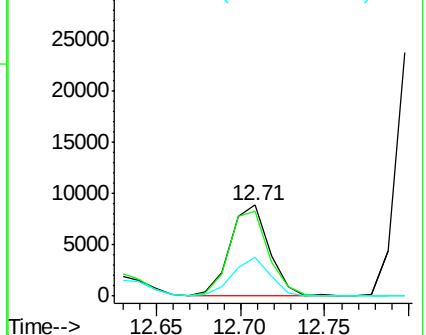
89 42.6 32.6 49.0

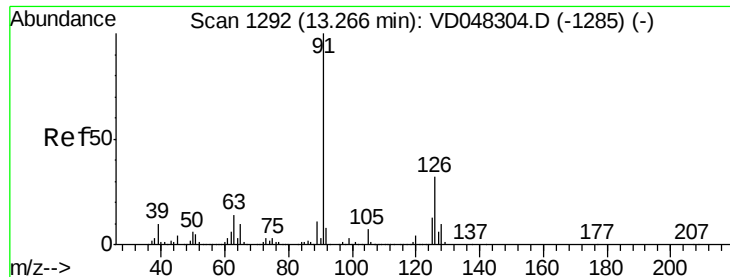


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC

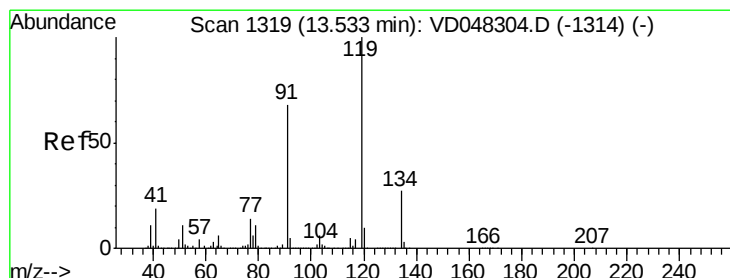
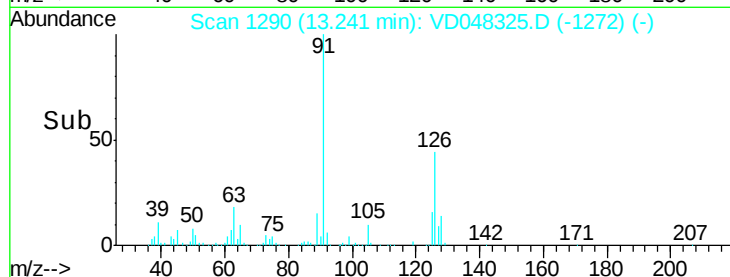
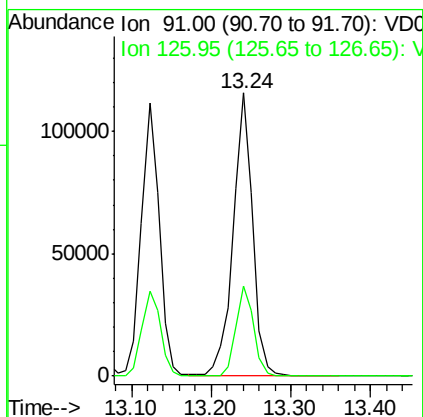
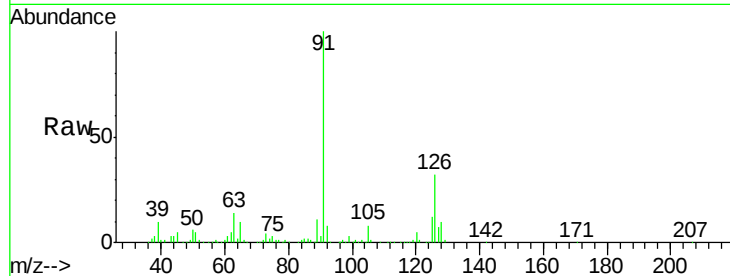




#81
4-Chlorotoluene
Concen: 20.04 ug/l
RT: 13.24 min Scan# 1290
Delta R.T. -0.03 min
Lab File: VD048325.D
Acq: 6 Jan 2016 16:38

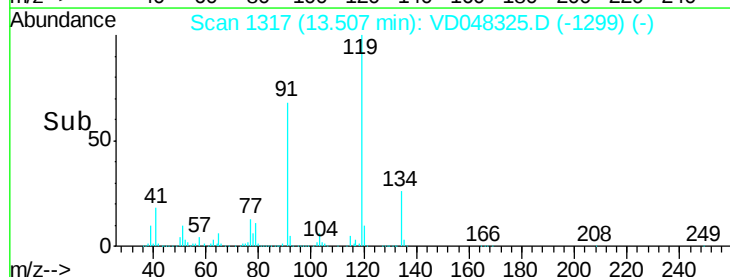
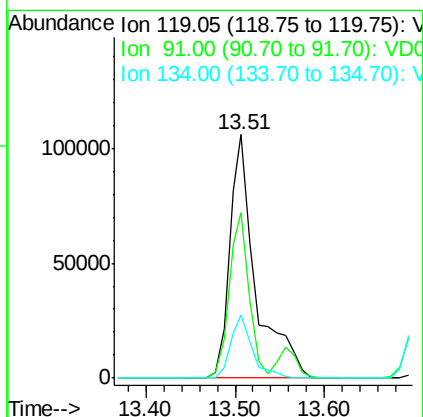
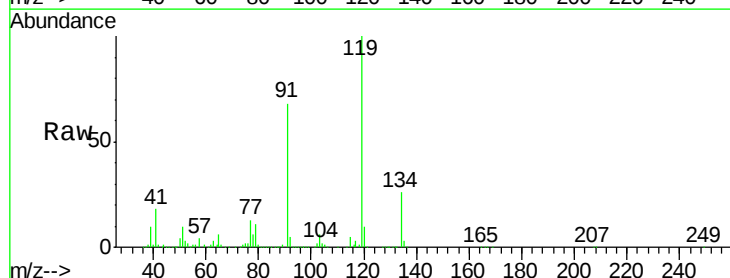
Instrument :
BNA_F
ClientSampled :

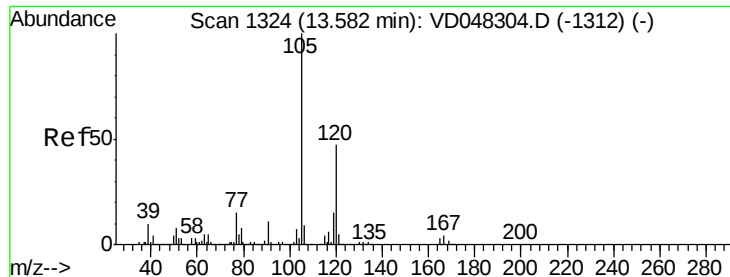
Tot Ion: 91 Resp: 197991
Ion Ratio Lower Upper
91 100
126 32.0 15.4 46.1



#82
tert-Butylbenzene
Concen: 24.36 ug/l
RT: 13.51 min Scan# 1317
Delta R.T. -0.03 min
Lab File: VD048325.D
Acq: 6 Jan 2016 16:38

Tgt Ion: 119 Resp: 218050
Ion Ratio Lower Upper
119 100
91 67.7 33.2 99.6
134 26.1 12.5 37.5

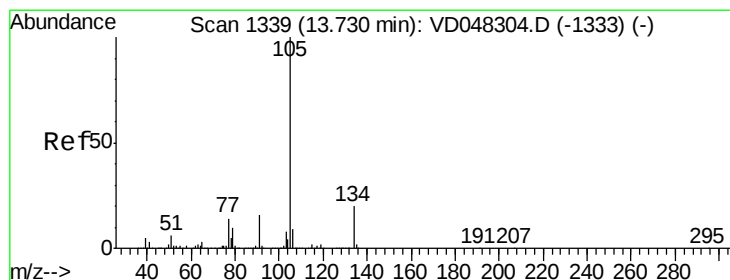
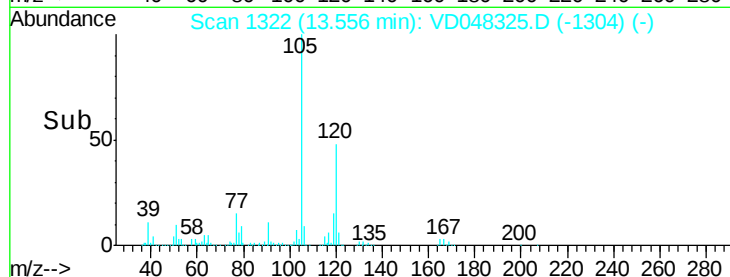
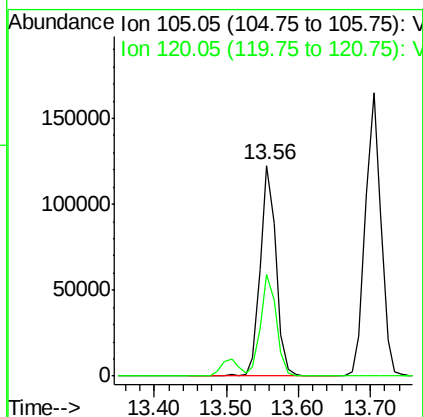
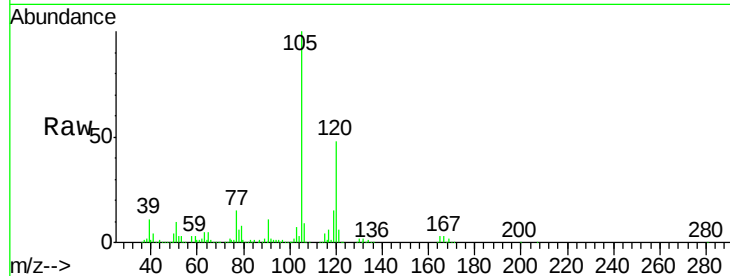




#83
 1,2,4-Trimethylbenzene
 Concen: 19.81 ug/l
 RT: 13.56 min Scan# 1322
 Delta R.T. -0.03 min
 Lab File: VD048325.D
 Acq: 6 Jan 2016 16:38

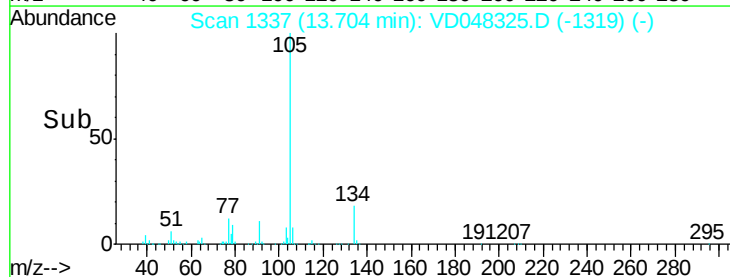
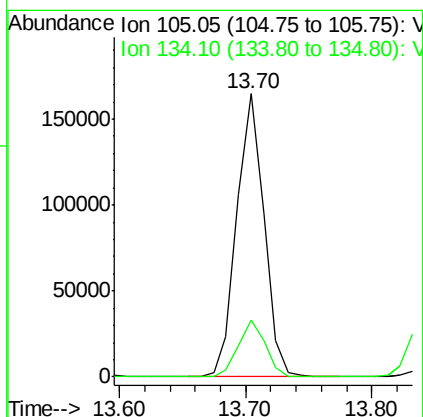
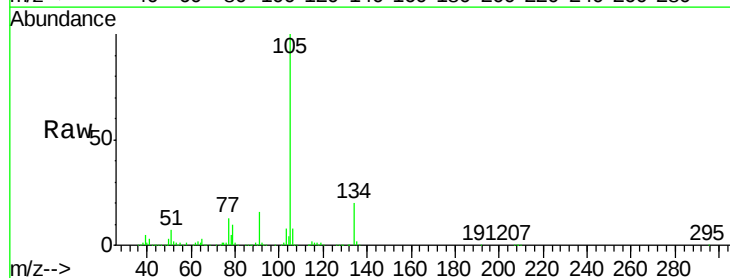
Instrument :
 BNA_F
 ClientSampleId :

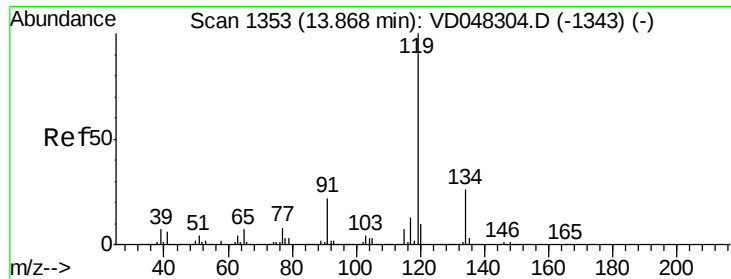
Tot Ion:105 Resp: 188353
 Ion Ratio Lower Upper
 105 100
 120 48.0 22.6 67.7



#84
 sec-Butylbenzene
 Concen: 19.36 ug/l
 RT: 13.70 min Scan# 1337
 Delta R.T. -0.03 min
 Lab File: VD048325.D
 Acq: 6 Jan 2016 16:38

Tgt Ion:105 Resp: 245814
 Ion Ratio Lower Upper
 105 100
 134 20.1 9.4 28.2

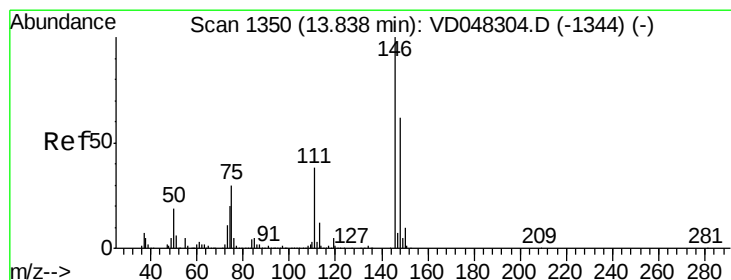
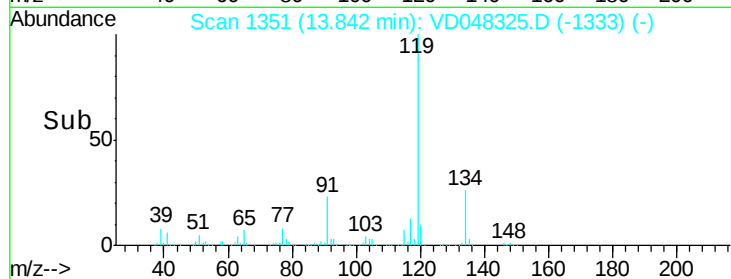
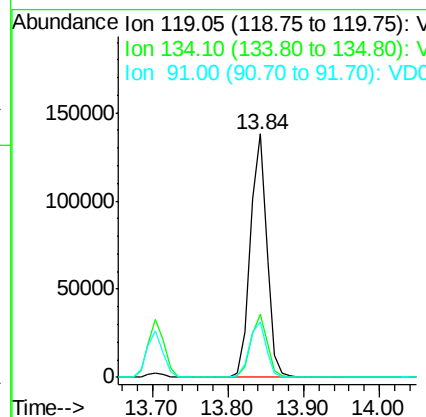
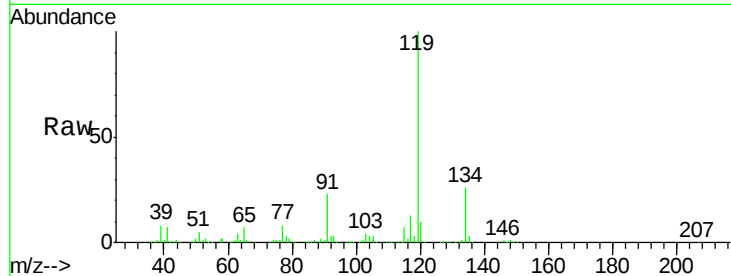




#85
 p-Isopropyltoluene
 Concen: 19.63 ug/l
 RT: 13.84 min Scan# 1351
 Delta R.T. -0.03 min
 Lab File: VD048325.D
 Acq: 6 Jan 2016 16:38

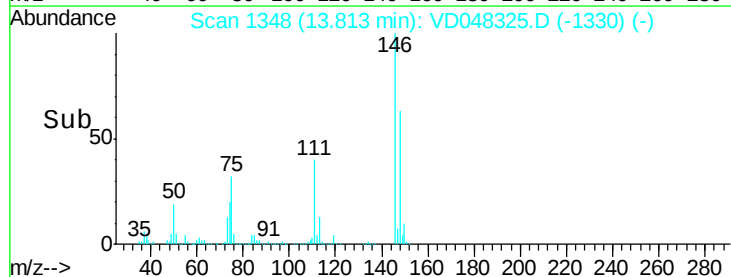
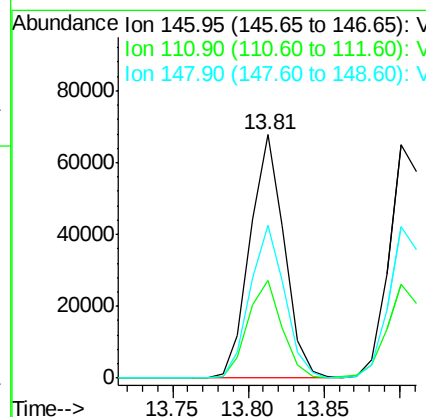
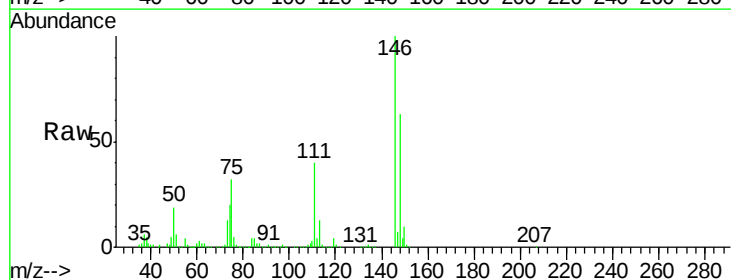
Instrument :
 BNA_F
 ClientSampleId :

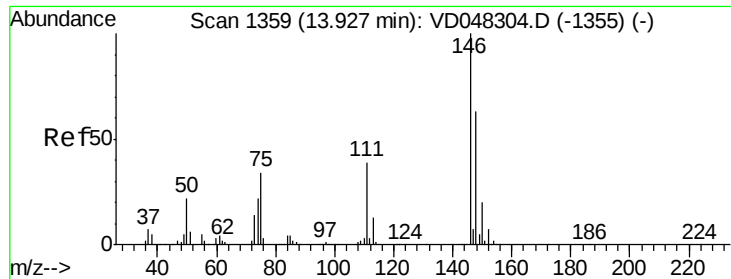
Tot Ion	Ratio	Lower	Upper
119	100		
134	25.9	12.5	37.5
91	22.9	11.2	33.5



#86
 1,3-Dichlorobenzene
 Concen: 20.11 ug/l
 RT: 13.81 min Scan# 1348
 Delta R.T. -0.03 min
 Lab File: VD048325.D
 Acq: 6 Jan 2016 16:38

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.5	61.6
148	62.9	31.4	94.0





#87

1,4-Dichlorobenzene

Concen: 20.27 ug/l

RT: 13.90 min Scan# 1357

Delta R.T. -0.03 min

Lab File: VD048325.D

Acq: 6 Jan 2016 16:38

Instrument :

BNA_F

ClientSampleId :

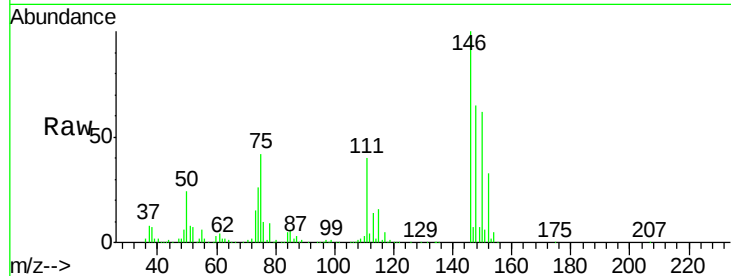
Tot Ion:146 Resp: 107447

Ion Ratio Lower Upper

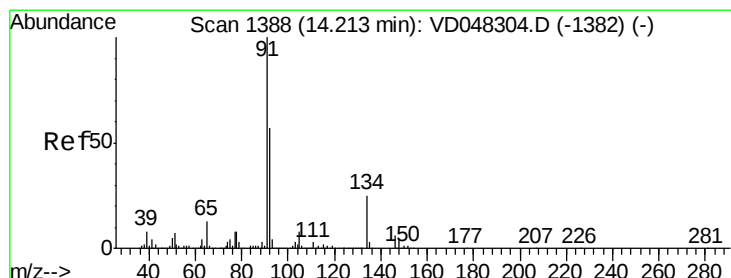
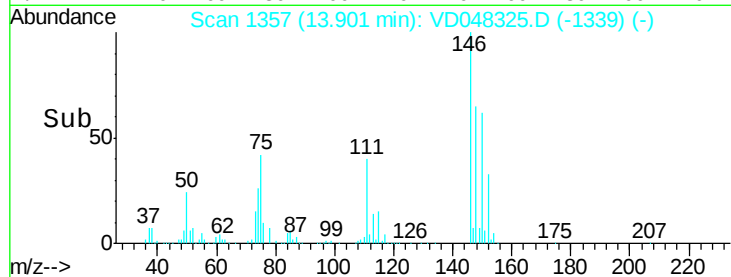
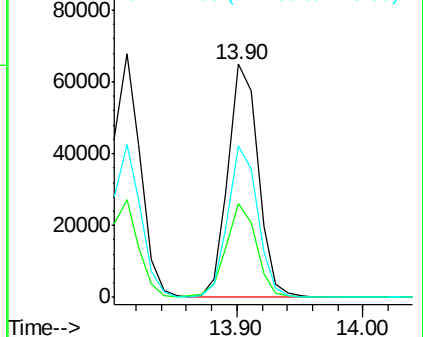
146 100

111 40.3 18.4 55.2

148 65.0 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: 18.84 ug/l

RT: 14.19 min Scan# 1386

Delta R.T. -0.03 min

Lab File: VD048325.D

Acq: 6 Jan 2016 16:38

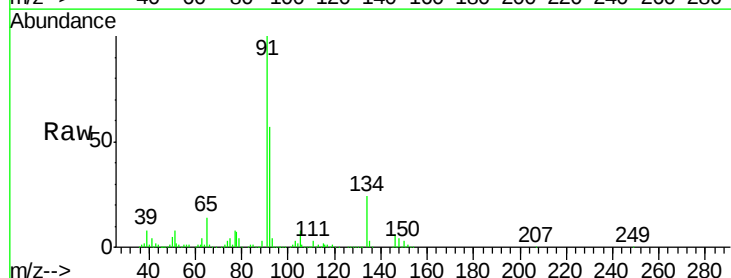
Tgt Ion: 91 Resp: 199019

Ion Ratio Lower Upper

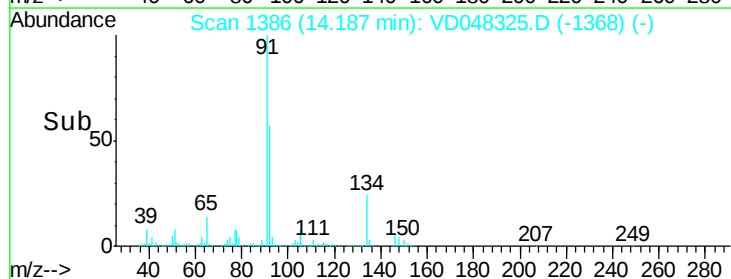
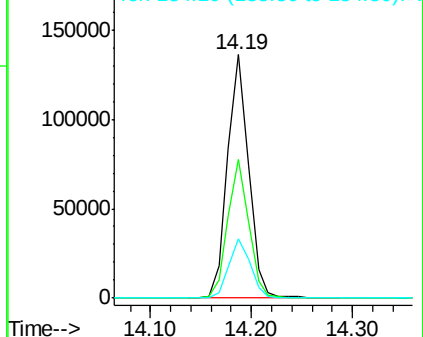
91 100

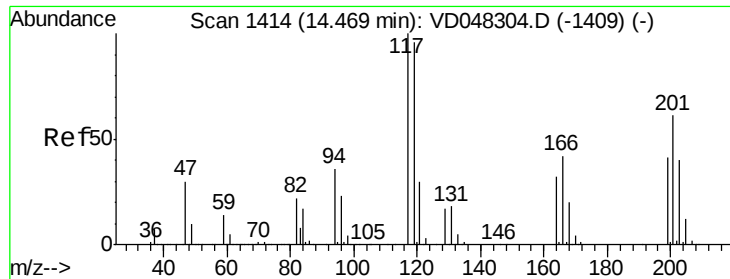
92 57.1 28.8 86.5

134 24.5 11.7 35.0



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





#89

Hexachloroethane

Concen: 17.93 ug/l

RT: 14.44 min Scan# 1412

Delta R.T. -0.03 min

Lab File: VD048325.D

Acq: 6 Jan 2016 16:38

Instrument :

BNA_F

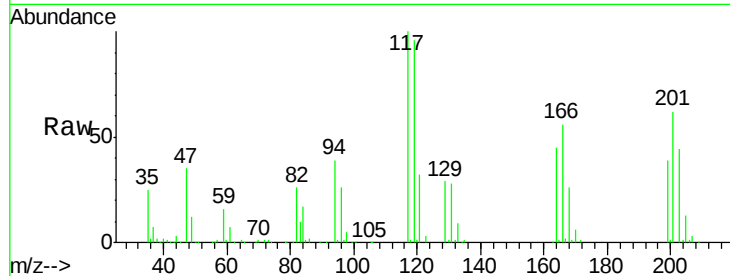
ClientSampleId :

Tot Ion:117 Resp: 38593

Ion Ratio Lower Upper

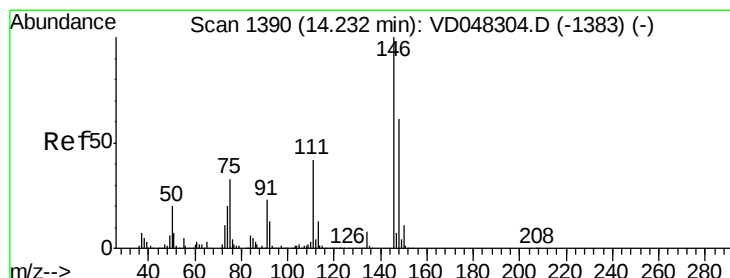
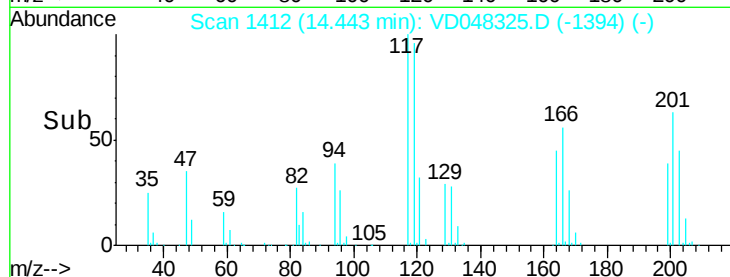
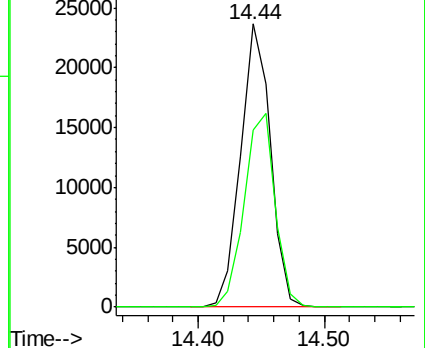
117 100

201 62.5 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: 20.79 ug/l

RT: 14.21 min Scan# 1388

Delta R.T. -0.03 min

Lab File: VD048325.D

Acq: 6 Jan 2016 16:38

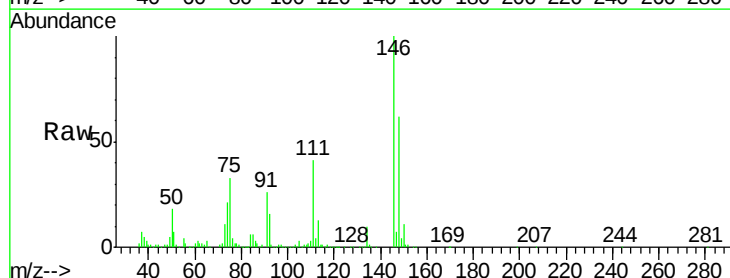
Tgt Ion:146 Resp: 97065

Ion Ratio Lower Upper

146 100

111 40.6 22.0 66.0

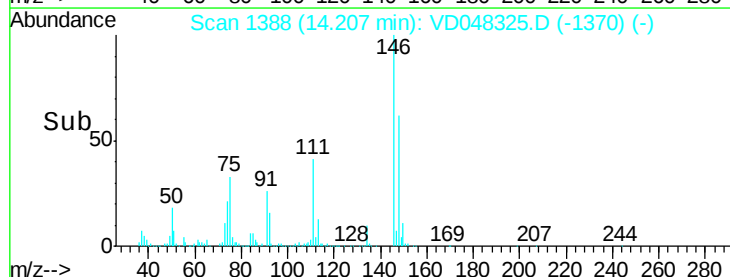
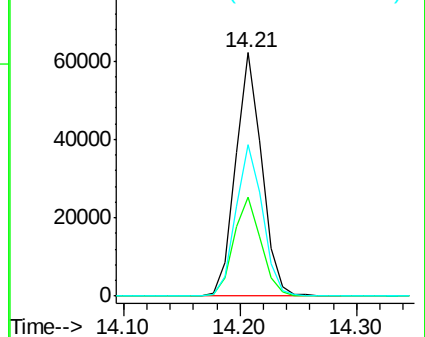
148 62.4 32.0 96.2

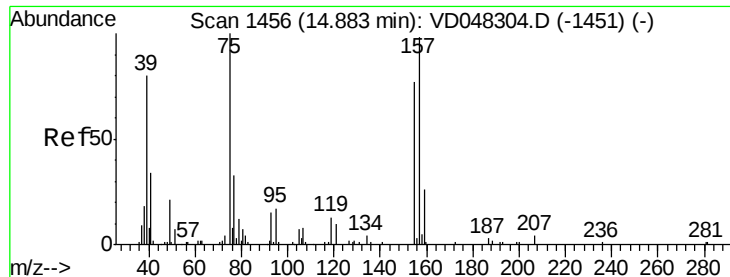


Abundance Ion 145.95 (145.65 to 146.65): V

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: 23.04 ug/l

RT: 14.86 min Scan# 1454

Delta R.T. -0.03 min

Lab File: VD048325.D

Acq: 6 Jan 2016 16:38

Instrument :

BNA_F

ClientSampled :

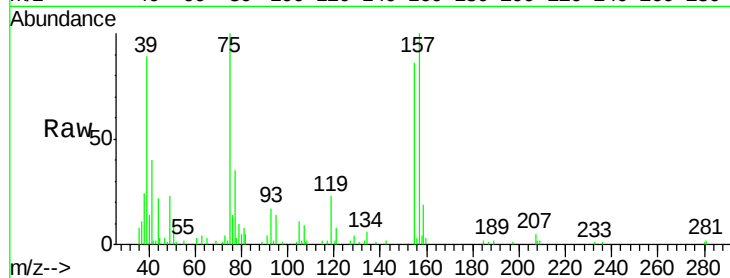
Tot Ion: 75 Resp: 6606

Ion	Ratio	Lower	Upper
75	100		
155	86.4	38.2	114.6
157	99.9	50.5	151.6

75 100

155 86.4 38.2 114.6

157 99.9 50.5 151.6



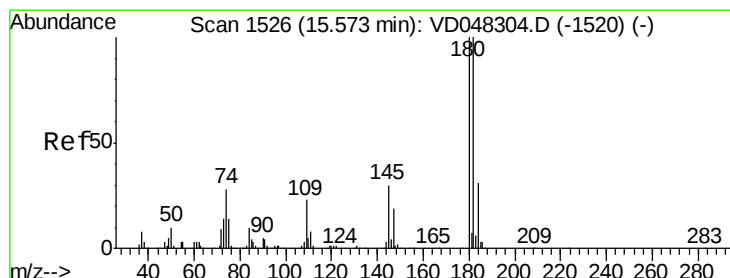
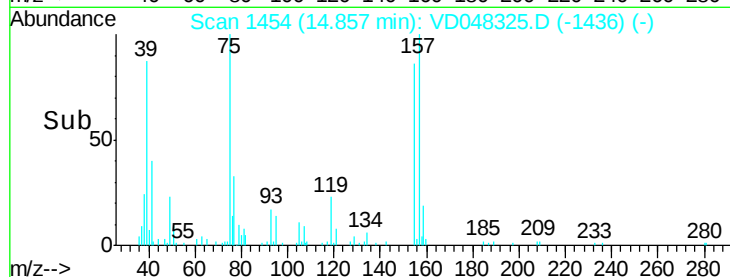
Abundance Ion 75.00 (74.70 to 75.70): VD

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

14.86

Time-->



#92

1,2,4-Trichlorobenzene

Concen: 21.34 ug/l

RT: 15.54 min Scan# 1523

Delta R.T. -0.04 min

Lab File: VD048325.D

Acq: 6 Jan 2016 16:38

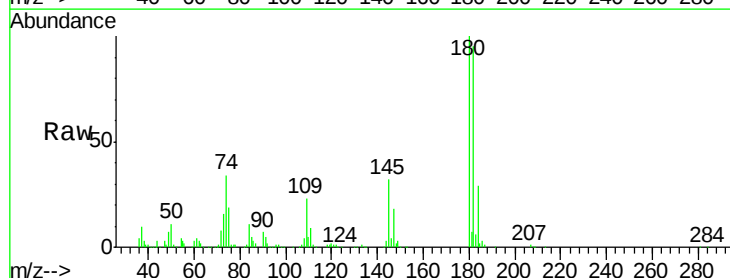
Tgt Ion: 180 Resp: 59816

Ion	Ratio	Lower	Upper
180	100		
182	94.6	46.6	139.8
145	32.2	14.9	44.7

180 100

182 94.6 46.6 139.8

145 32.2 14.9 44.7



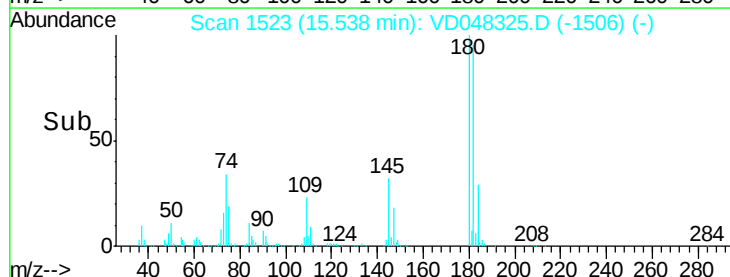
Abundance Ion 179.85 (179.55 to 180.55): V

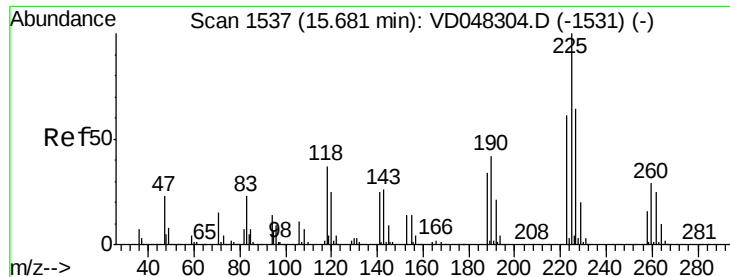
Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

15.54

Time-->





#93

Hexachlorobutadiene

Concen: 19.29 ug/l

RT: 15.66 min Scan# 1535

Delta R.T. -0.03 min

Lab File: VD048325.D

Acq: 6 Jan 2016 16:38

Instrument :

BNA_F

ClientSampled :

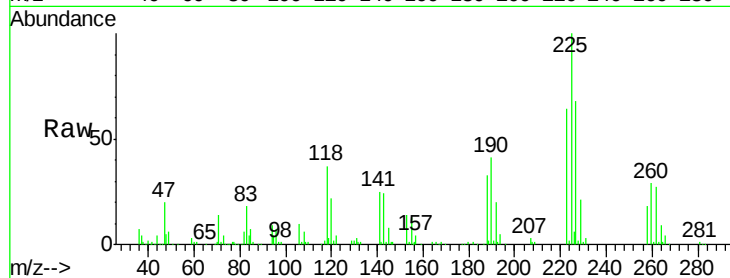
Tot Ion:225 Resp: 35824

Ion Ratio Lower Upper

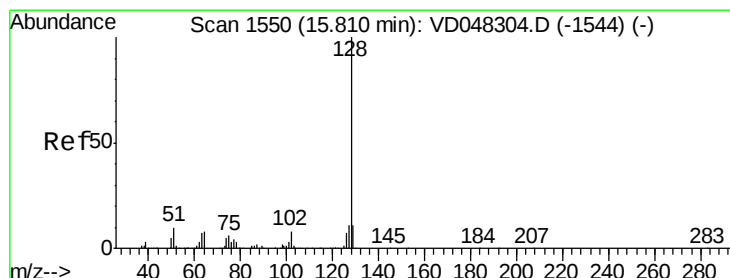
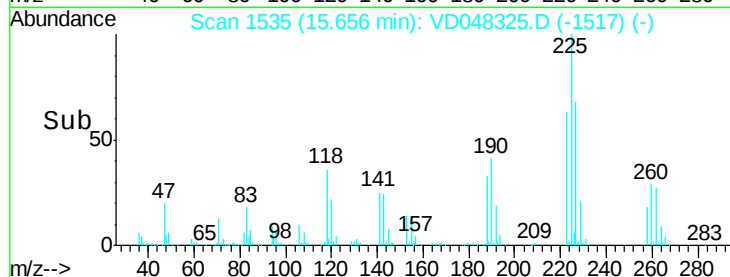
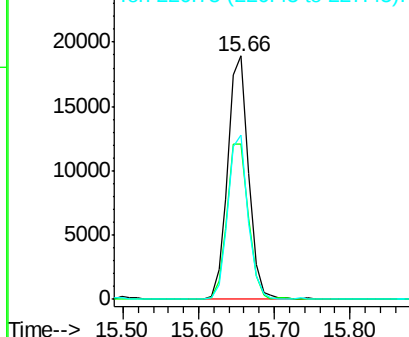
225 100

223 63.7 31.8 95.3

227 67.6 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: 24.03 ug/l

RT: 15.78 min Scan# 1548

Delta R.T. -0.02 min

Lab File: VD048325.D

Acq: 6 Jan 2016 16:38

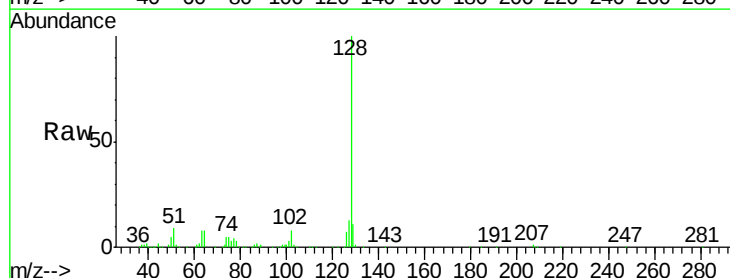
Tgt Ion:128 Resp: 117754

Ion Ratio Lower Upper

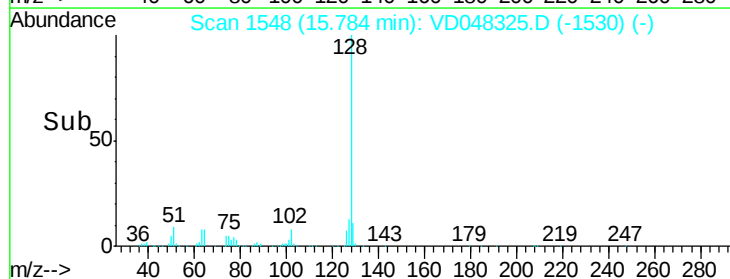
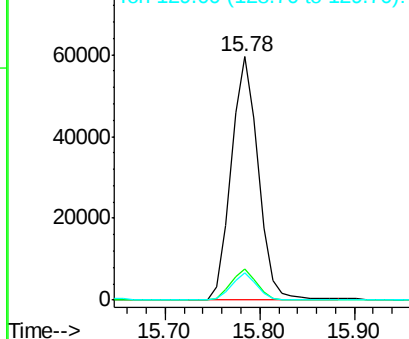
128 100

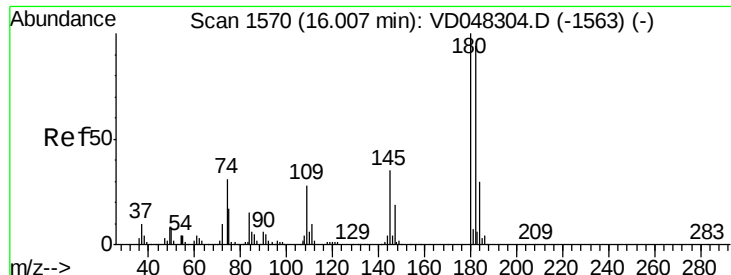
127 12.8 9.7 14.5

129 11.4 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: 22.82 ug/l

RT: 15.98 min Scan# 1568

Delta R.T. -0.03 min

Lab File: VD048325.D

Acq: 6 Jan 2016 16:38

Instrument :

BNA_F

ClientSampleId :

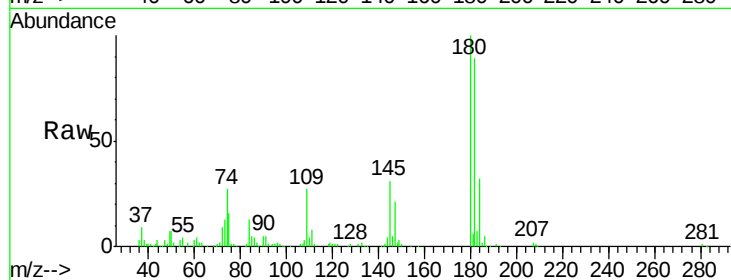
Tot Ion:180 Resp: 52444

Ion Ratio Lower Upper

180 100

182 89.4 49.0 147.0

145 31.4 16.8 50.3



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

