

Data Path : W:\HPCHEM1\MSVOA D\DATA\VD010616\
 Data File : VD048324.D
 Acq On : 6 Jan 2016 16:12
 Operator : FY/SY
 Sample : VD0106SBS04
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 07 04:28:43 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	199799	50.00	ug/l	-0.04
33) 1,4-Difluorobenzene	7.38	114	348366	50.00	ug/l	-0.04
62) Chlorobenzene-d5	11.54	117	353380	50.00	ug/l	-0.03
71) 1,4-Dichlorobenzene-d4	13.88	152	156669	50.00	ug/l	-0.03

System Monitoring Compounds

32) 1,2-Dichloroethane-d4	6.67	65	133674	54.59	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	109.18%	
34) Dibromofluoromethane	6.16	113	128037	54.43	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	108.86%	
49) Toluene-d8	9.56	98	401909	51.69	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	103.38%	
61) 4-Bromofluorobenzene	12.81	95	173449	51.37	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	102.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.40	85	47180	18.25	ug/l	98
3) Chloromethane	1.60	50	25017	15.79	ug/l #	88
4) Vinyl Chloride	1.66	62	24811	16.98	ug/l	92
5) Bromomethane	1.94	94	15491	16.16	ug/l	93
6) Chloroethane	2.05	64	14205	16.93	ug/l	96
7) Trichlorofluoromethane	2.30	101	59985	18.45	ug/l	97
8) Diethyl Ether	2.60	74	19801	20.90	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.85	101	40719	18.86	ug/l	95
10) Methyl Iodide	3.02	142	27130	18.04	ug/l	95
11) Tert butyl alcohol	3.64	59	13763	114.52	ug/l #	93
12) 1,1-Dichloroethene	2.84	96	33293	17.96	ug/l	98
13) Acrolein	2.74	56	20989	110.10	ug/l	100
14) Allyl chloride	3.29	41	66578	17.62	ug/l	95
15) Acrylonitrile	3.79	53	44274	113.30	ug/l	96
16) Acetone	2.91	43	52243	99.63	ug/l	96
17) Carbon Disulfide	3.10	76	109446	16.78	ug/l	97
18) Methyl Acetate	3.29	43	33310	25.54	ug/l	95
19) Methyl tert-butyl Ether	3.85	73	89138	22.31	ug/l	96
20) Methylene Chloride	3.46	84	46101	18.75	ug/l	99
21) trans-1,2-Dichloroethene	3.85	96	37915	18.50	ug/l	92
22) Diisopropyl ether	4.60	45	141769	19.86	ug/l #	96
23) Vinyl Acetate	4.55	43	399611	113.46	ug/l	99
24) 1,1-Dichloroethane	4.51	63	79452	19.13	ug/l	99
25) 2-Butanone	5.39	43	70237	123.55	ug/l	95
26) 2,2-Dichloropropane	5.37	77	69785	18.04	ug/l	99
27) cis-1,2-Dichloroethene	5.37	96	45627	19.11	ug/l	96
28) Bromochloromethane	5.74	49	32432	18.75	ug/l	93
29) Chloroform	5.92	83	90400	19.82	ug/l	96
30) Cyclohexane	6.22	56	63264	18.26	ug/l	96
31) 1,1,1-Trichloroethane	6.13	97	65260	18.39	ug/l	94
35) 1,1-Dichloropropene	6.38	75	67153	19.37	ug/l	97
36) Ethyl Acetate	5.49	43	33335	21.78	ug/l	95
37) Carbon Tetrachloride	6.36	117	56653	18.35	ug/l	97
38) Methylcyclohexane	8.04	83	69939	18.75	ug/l	94

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Benzene	6.67	78	179565	19.43	ug/l	99
40) Methacrylonitrile	5.71	41	20608	22.96	ug/l	97
41) 1,2-Dichloroethane	6.78	62	62915	21.68	ug/l	100
42) Isopropyl Acetate	8.36	43	51135	23.50	ug/l #	96
43) Trichloroethene	7.70	130	50525	19.40	ug/l	98
44) 1,2-Dichloropropane	8.10	63	51479	20.08	ug/l	96
45) Dibromomethane	8.21	93	29238	20.94	ug/l	94
46) Bromodichloromethane	8.51	83	65722	19.71	ug/l	98
47) Methyl methacrylate	8.03	41	38135	18.40	ug/l	96
48) 1,4-Dioxane	8.24	88	6593	524.60	ug/l #	87
50) 4-Methyl-2-Pentanone	9.43	43	184940	127.85	ug/l	98
51) Toluene	9.67	92	110791	19.66	ug/l	93
52) t-1,3-Dichloropropene	10.08	75	64558	20.42	ug/l	99
53) cis-1,3-Dichloropropene	9.18	75	77283	19.50	ug/l	96
54) 1,1,2-Trichloroethane	10.35	97	37959	21.55	ug/l	98
55) Ethyl methacrylate	10.20	69	48802	22.98	ug/l	94
56) 1,3-Dichloropropane	10.57	76	77805	22.16	ug/l	97
57) 2-Chloroethyl Vinyl ether	8.98	63	131308	105.03	ug/l	98
58) 2-Hexanone	10.67	43	136633	134.91	ug/l	99
59) Dibromochloromethane	10.85	129	47027	20.15	ug/l	97
60) 1,2-Dibromoethane	10.97	107	40270	21.33	ug/l	94
63) Tetrachloroethene	10.43	164	40188	18.36	ug/l	98
64) Chlorobenzene	11.57	112	139816	19.85	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.68	131	48457	19.29	ug/l	97
66) Ethyl Benzene	11.69	91	245943	19.74	ug/l	96
67) m/p-Xylenes	11.84	106	175151	39.68	ug/l	97
68) o-Xylene	12.26	106	83060	19.56	ug/l	100
69) Stvrene	12.27	104	133078	19.59	ug/l	93
70) Bromoform	12.47	173	23615	19.18	ug/l	95
72) Isopropylbenzene	12.64	105	228545	19.11	ug/l	96
73) N-amyl acetate	12.47	43	75816	22.48	ug/l	97
74) 1,1,2,2-Tetrachloroethane	12.96	83	48928	22.04	ug/l	95
75) 1,2,3-Trichloropropane	12.99	75	53993	21.73	ug/l	99
76) Bromobenzene	12.95	156	55995	20.04	ug/l	85
77) n-propylbenzene	13.04	91	289312	18.77	ug/l	99
78) 2-Chlorotoluene	13.12	91	163115	18.92	ug/l	96
79) 1,3,5-Trimethylbenzene	13.22	105	177587	19.08	ug/l	99
80) trans-1,4-Dichloro-2-buten	12.71	75	12705	19.41	ug/l	87
81) 4-Chlorotoluene	13.24	91	189327	19.01	ug/l	94
82) tert-Butylbenzene	13.51	119	210236	23.31	ug/l	98
83) 1,2,4-Trimethylbenzene	13.56	105	184425	19.24	ug/l	98
84) sec-Butylbenzene	13.70	105	238940	18.67	ug/l	98
85) p-Isopropyltoluene	13.84	119	200621	18.84	ug/l	99
86) 1,3-Dichlorobenzene	13.81	146	104433	19.51	ug/l	95
87) 1,4-Dichlorobenzene	13.90	146	104509	19.56	ug/l	96
88) n-Butylbenzene	14.19	91	196639	18.47	ug/l	98
89) Hexachloroethane	14.44	117	36273	16.72	ug/l	90
90) 1,2-Dichlorobenzene	14.21	146	91769	19.50	ug/l	97
91) 1,2-Dibromo-3-Chloropropan	14.86	75	6504	22.50	ug/l	91
92) 1,2,4-Trichlorobenzene	15.54	180	57333	20.29	ug/l	98

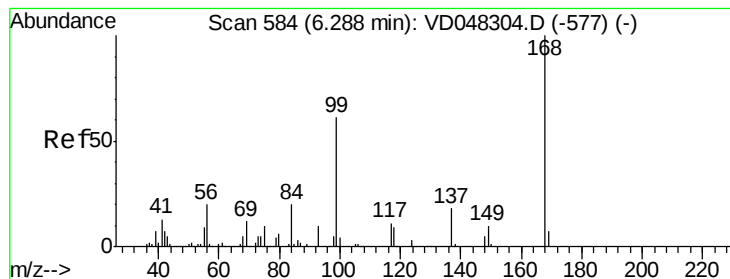
Data Path : W:\HPCHEM1\MSVOA D\DATA\VD010616\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Hexachlorobutadiene	15.65	225	35293	18.86	µg/l	99
94) Naphthalene	15.78	128	109267	22.41	µg/l	98
95) 1,2,3-Trichlorobenzene	15.98	180	49070	21.18	µg/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.25 min Scan# 581

Delta R.T. -0.04 min

Lab File: VD048324.D

Acq: 6 Jan 2016 16:12

Instrument :

BNA_F

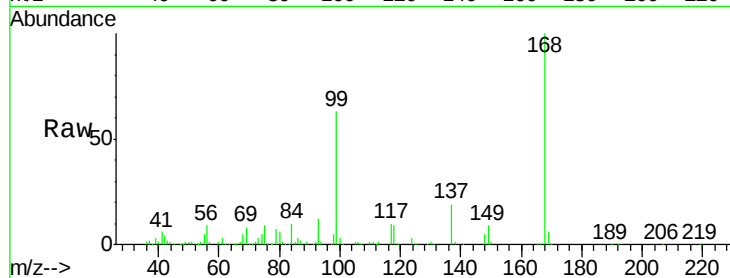
ClientSampleId :

Tot Ion:168 Resp: 199799

Ion Ratio Lower Upper

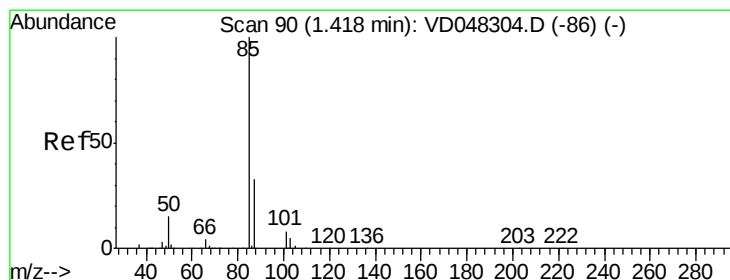
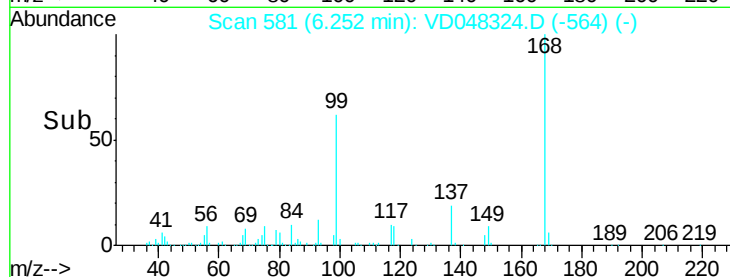
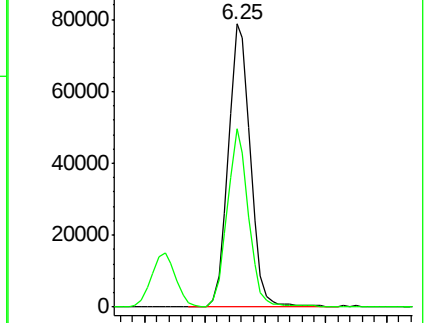
168 100

99 62.8 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 18.25 ug/l

RT: 1.40 min Scan# 89

Delta R.T. -0.02 min

Lab File: VD048324.D

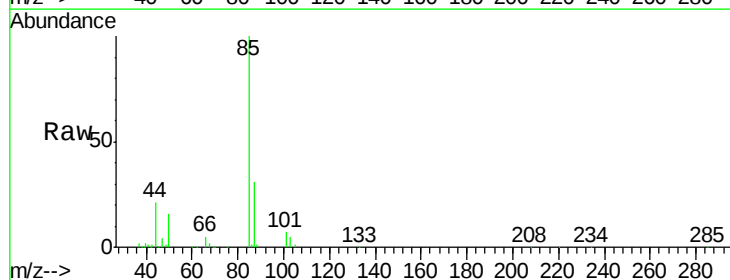
Acq: 6 Jan 2016 16:12

Tgt Ion: 85 Resp: 47180

Ion Ratio Lower Upper

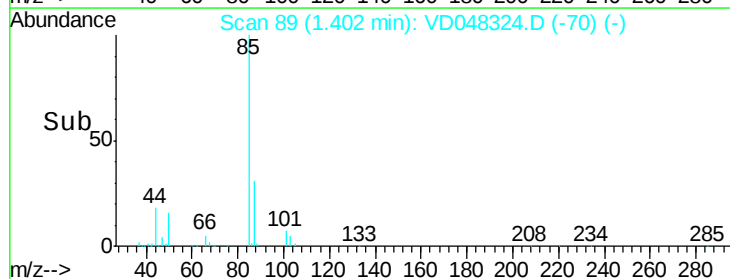
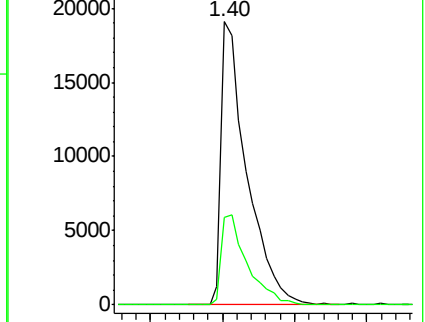
85 100

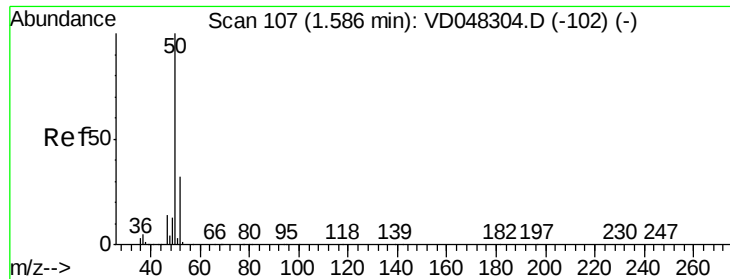
87 30.9 16.1 48.2



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 15.79 ug/l

RT: 1.60 min Scan# 109

Delta R.T. 0.01 min

Lab File: VD048324.D

Acq: 6 Jan 2016 16:12

Instrument :

BNA_F

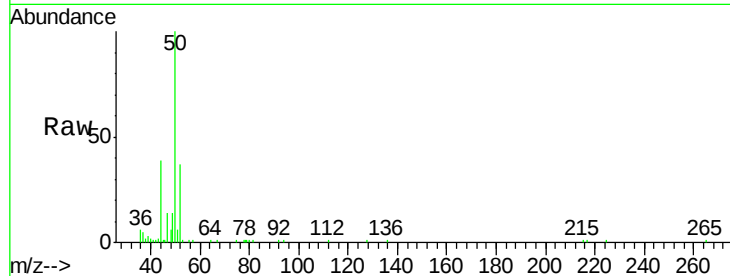
ClientSampleId :

Tot Ion: 50 Resp: 25017

Ion Ratio Lower Upper

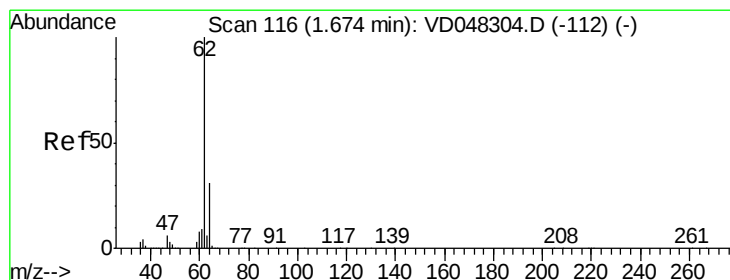
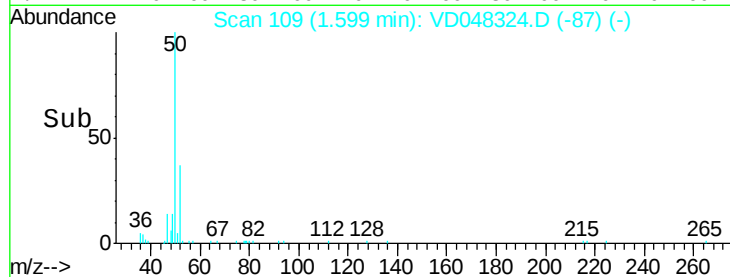
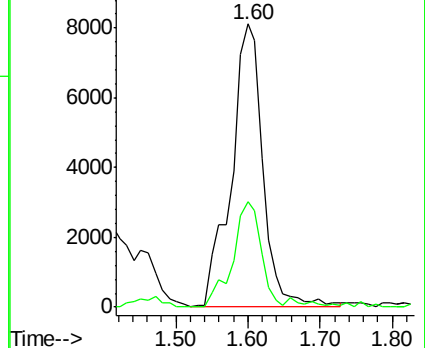
50 100

52 37.3 24.4 36.6#



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 16.98 ug/l

RT: 1.66 min Scan# 115

Delta R.T. -0.02 min

Lab File: VD048324.D

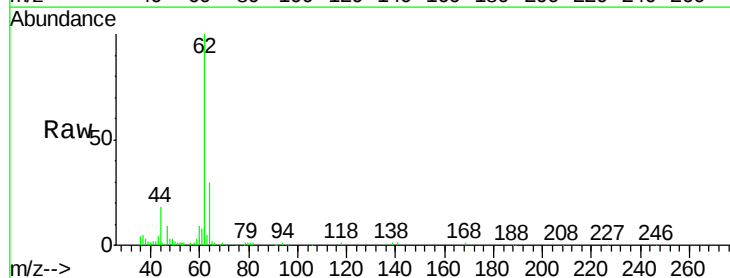
Acq: 6 Jan 2016 16:12

Tgt Ion: 62 Resp: 24811

Ion Ratio Lower Upper

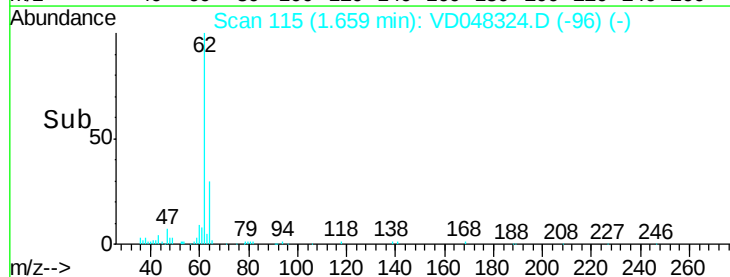
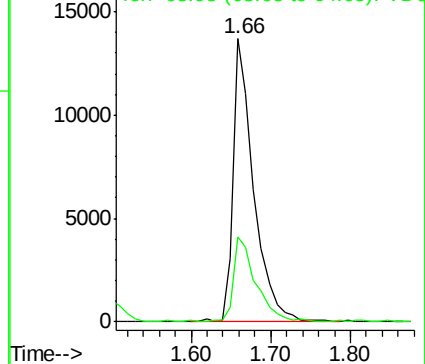
62 100

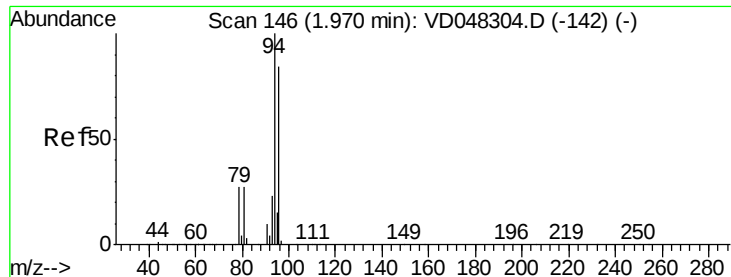
64 29.8 27.5 41.3



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 16.16 ug/l

RT: 1.94 min Scan# 144

Delta R.T. -0.03 min

Lab File: VD048324.D

Acq: 6 Jan 2016 16:12

Instrument :

BNA_F

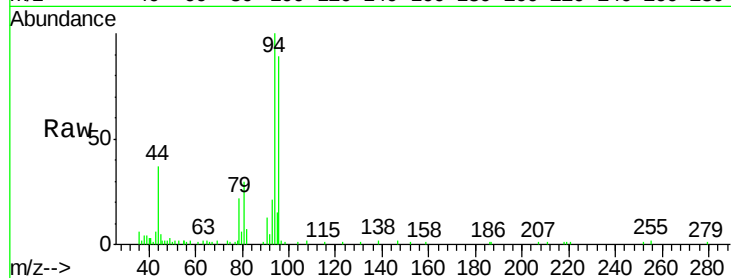
ClientSampleId :

Tot Ion: 94 Resp: 15491

Ion Ratio Lower Upper

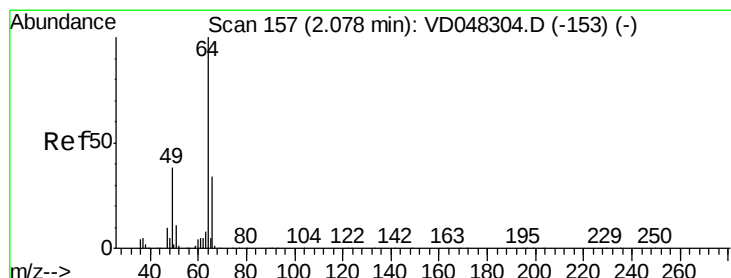
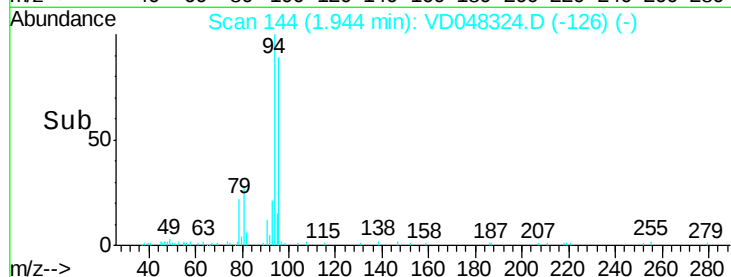
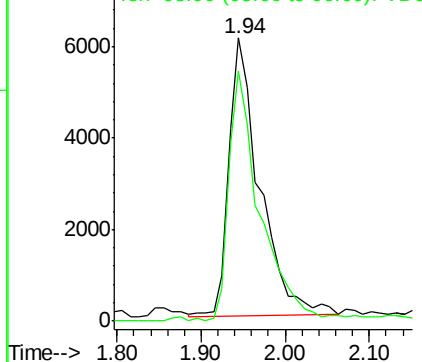
94 100

96 88.6 76.0 114.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 16.93 ug/l

RT: 2.05 min Scan# 155

Delta R.T. -0.03 min

Lab File: VD048324.D

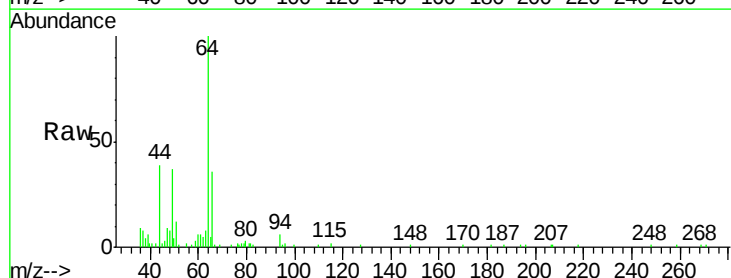
Acq: 6 Jan 2016 16:12

Tgt Ion: 64 Resp: 14205

Ion Ratio Lower Upper

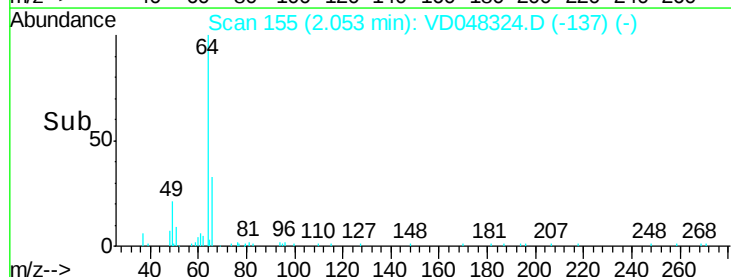
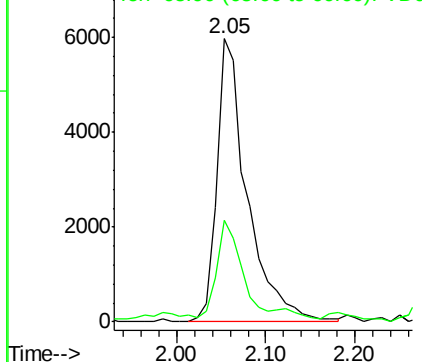
64 100

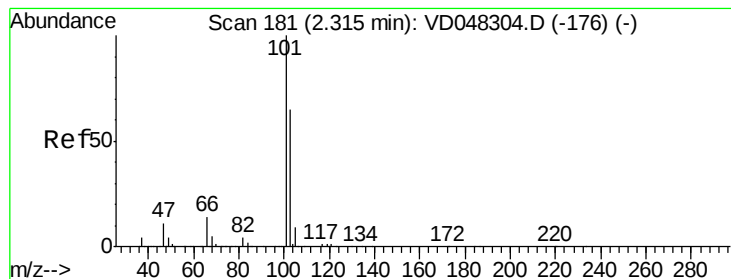
66 35.7 27.0 40.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



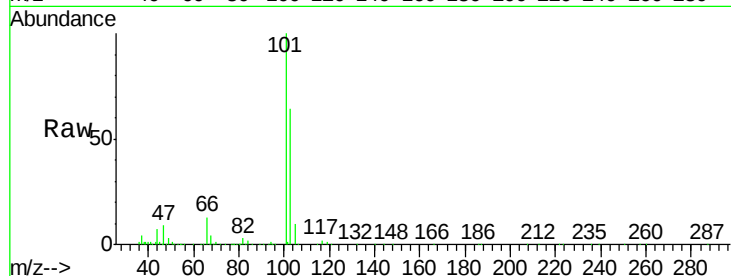


#7

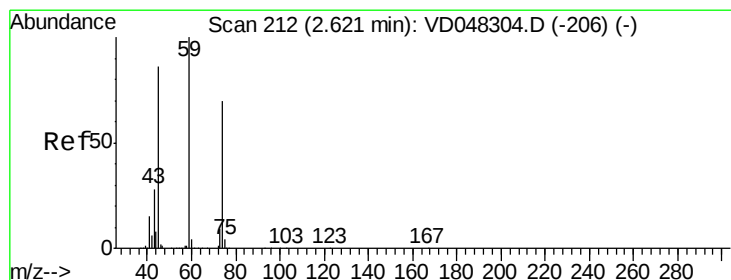
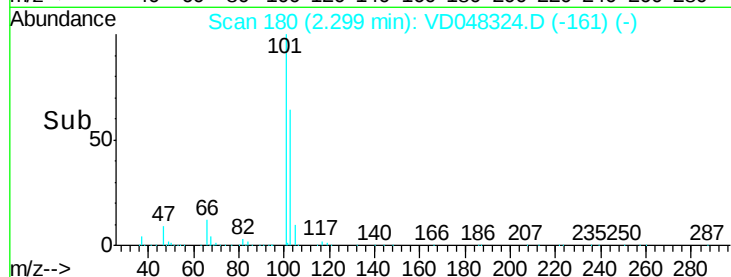
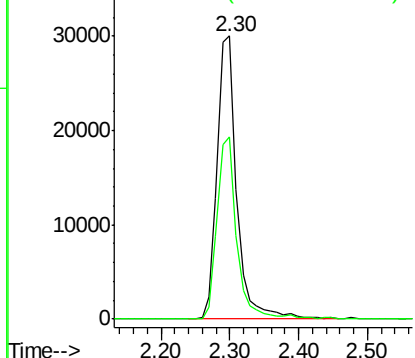
Trichlorofluoromethane
 Concen: 18.45 ug/l
 RT: 2.30 min Scan# 180
 Delta R.T. -0.02 min
 Lab File: VD048324.D
 Acq: 6 Jan 2016 16:12

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:101 Resp: 59985
 Ion Ratio Lower Upper
 101 100
 103 64.2 49.4 74.0



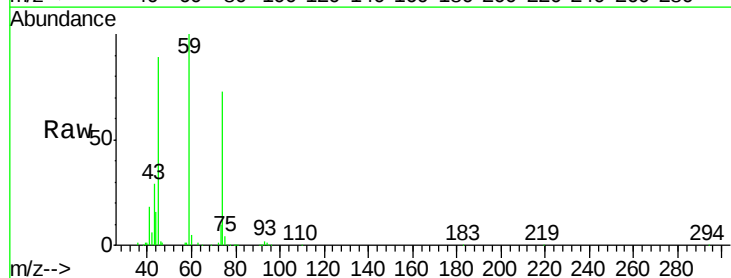
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



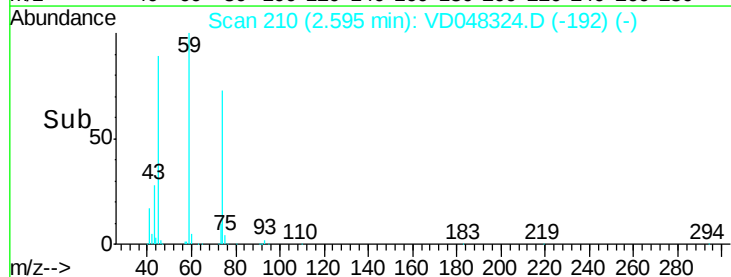
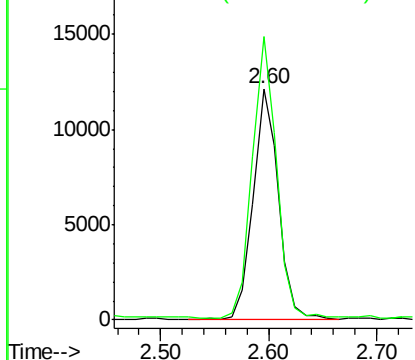
#8

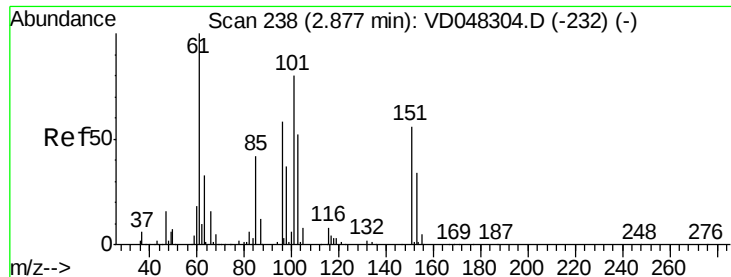
Diethyl Ether
 Concen: 20.90 ug/l
 RT: 2.60 min Scan# 210
 Delta R.T. -0.03 min
 Lab File: VD048324.D
 Acq: 6 Jan 2016 16:12

Tgt Ion: 74 Resp: 19801
 Ion Ratio Lower Upper
 74 100
 45 122.4 56.9 170.6



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.86 ug/l

RT: 2.85 min Scan# 236

Delta R.T. -0.03 min

Lab File: VD048324.D

Acq: 6 Jan 2016 16:12

Instrument :

BNA_F

ClientSampled :

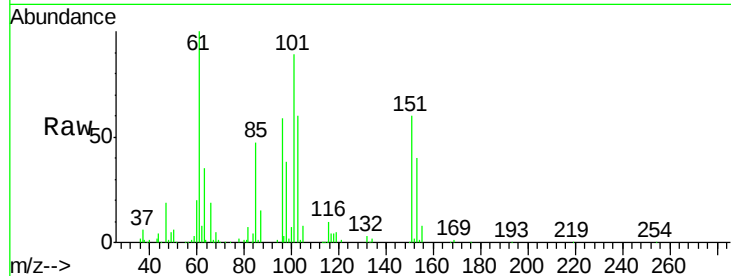
Tot Ion:101 Resp: 40719

Ion Ratio Lower Upper

101 100

85 52.1 41.0 61.4

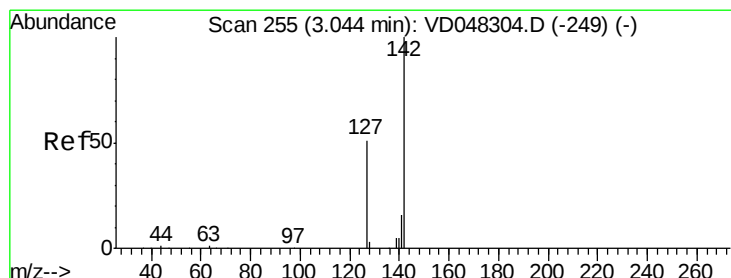
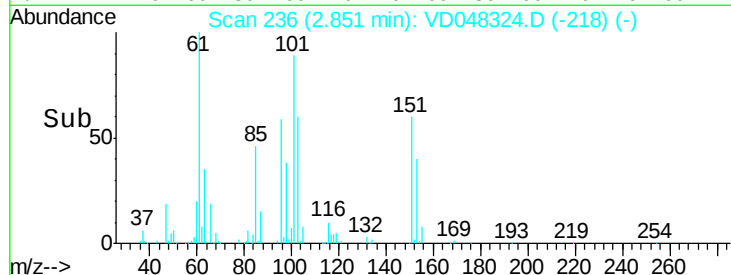
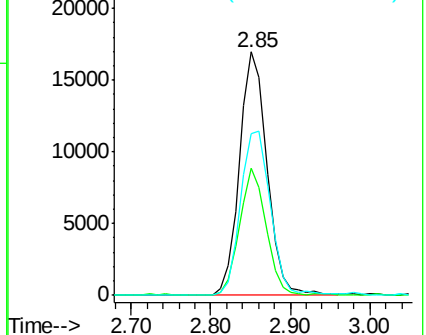
151 66.7 58.0 87.0



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: 18.04 ug/l

RT: 3.02 min Scan# 253

Delta R.T. -0.03 min

Lab File: VD048324.D

Acq: 6 Jan 2016 16:12

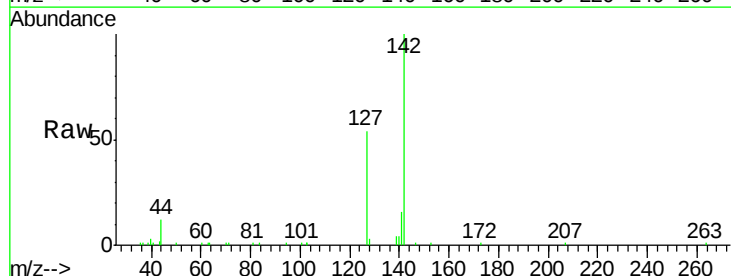
Tgt Ion:142 Resp: 27130

Ion Ratio Lower Upper

142 100

127 54.0 40.6 61.0

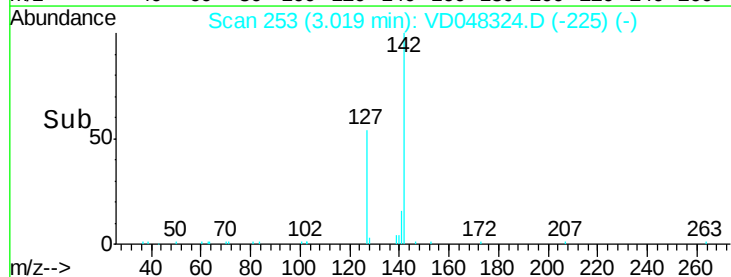
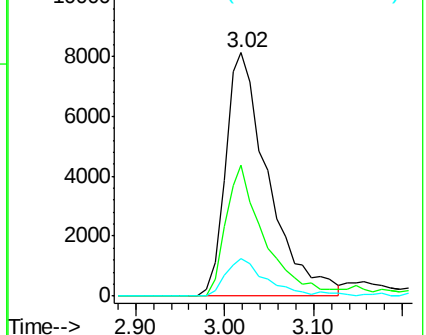
141 15.6 11.1 16.7

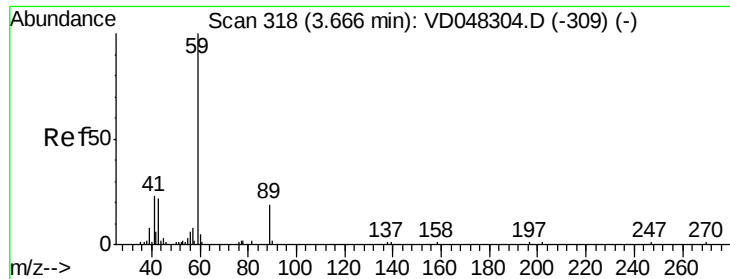


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



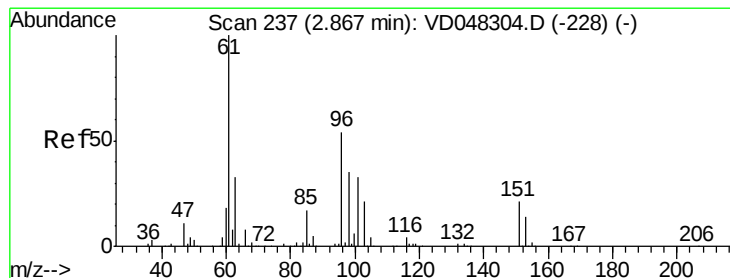
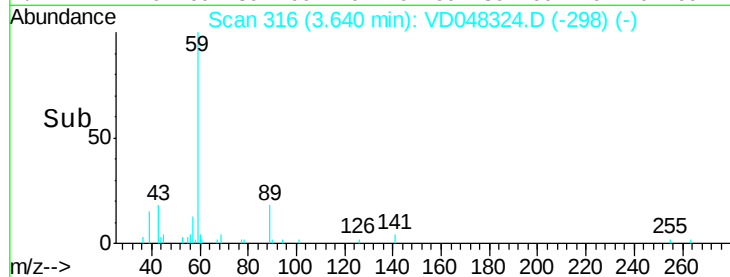
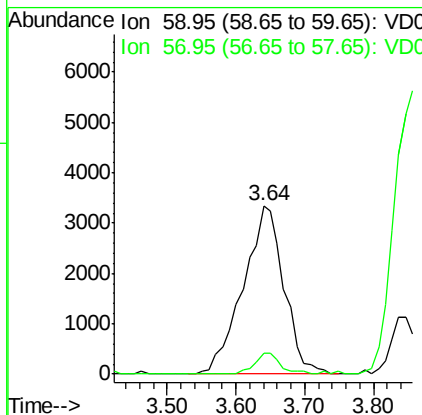
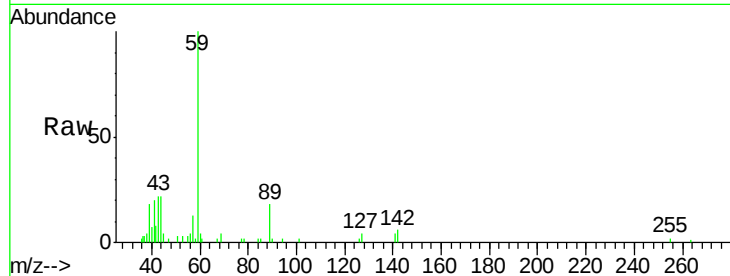


#11

Tert butyl alcohol
Concen: 114.52 ug/l
RT: 3.64 min Scan# 316
Delta R.T. -0.03 min
Lab File: VD048324.D
Acq: 6 Jan 2016 16:12

Instrument :
BNA_F
ClientSampled :

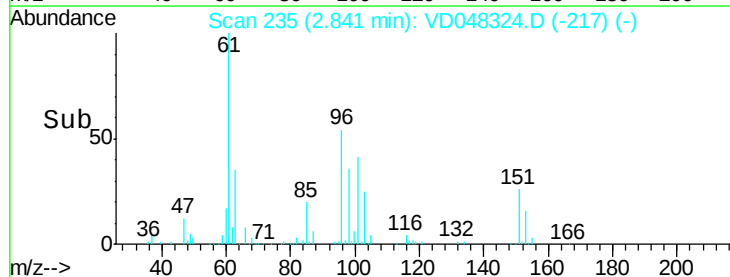
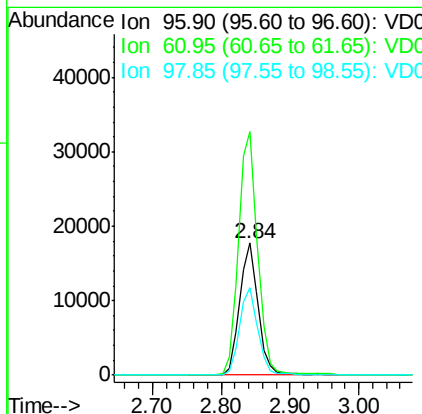
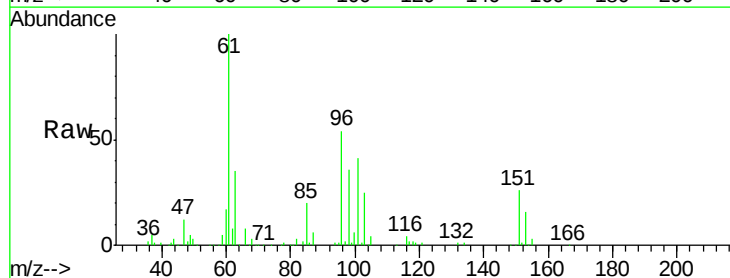
Tot Ion: 59 Resp: 13763
Ion Ratio Lower Upper
59 100
57 12.6 7.9 11.9#

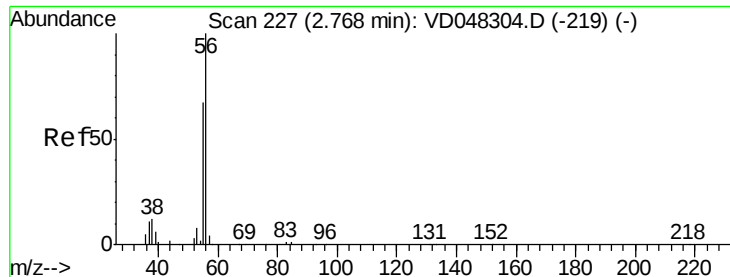


#12

1,1-Dichloroethene
Concen: 17.96 ug/l
RT: 2.84 min Scan# 235
Delta R.T. -0.03 min
Lab File: VD048324.D
Acq: 6 Jan 2016 16:12

Tgt Ion: 96 Resp: 33293
Ion Ratio Lower Upper
96 100
61 184.8 150.1 225.1
98 66.2 50.6 76.0





#13

Acrolein

Concen: 110.10 ug/l

RT: 2.74 min Scan# 225

Delta R.T. -0.03 min

Lab File: VD048324.D

Acq: 6 Jan 2016 16:12

Instrument :

BNA_F

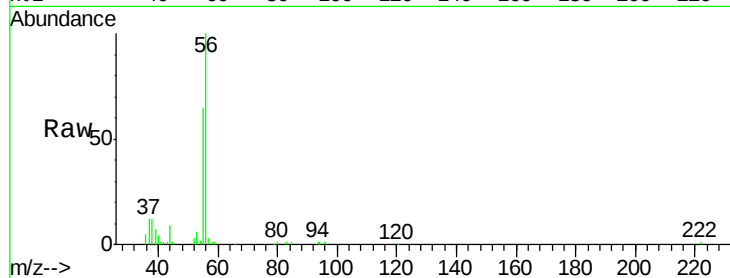
ClientSampleId :

Tot Ion: 56 Resp: 20989

Ion Ratio Lower Upper

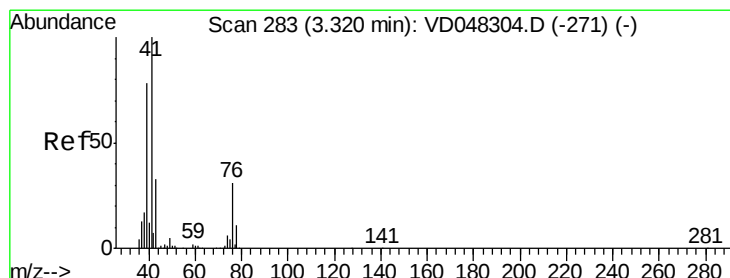
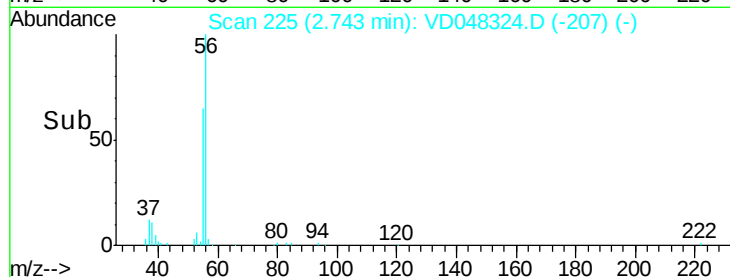
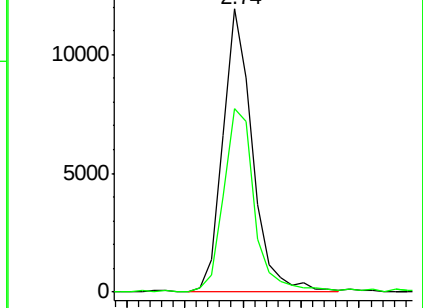
56 100

55 65.0 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: 17.62 ug/l

RT: 3.29 min Scan# 280

Delta R.T. -0.04 min

Lab File: VD048324.D

Acq: 6 Jan 2016 16:12

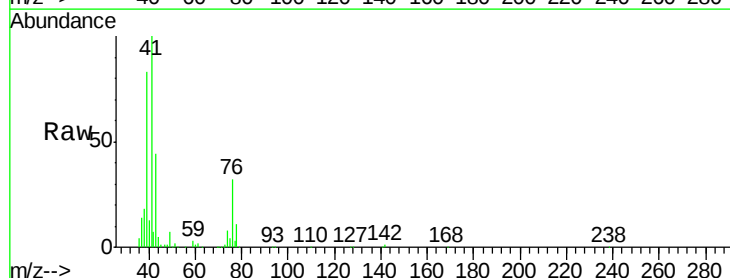
Tgt Ion: 41 Resp: 66578

Ion Ratio Lower Upper

41 100

39 83.1 62.5 93.7

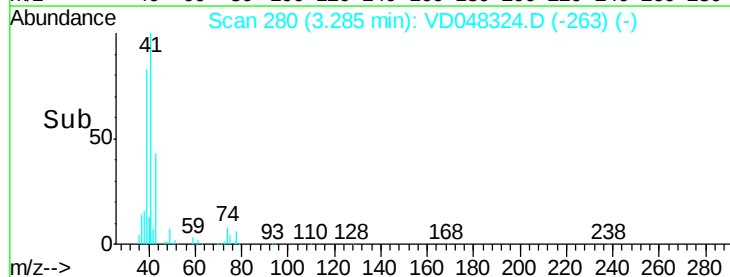
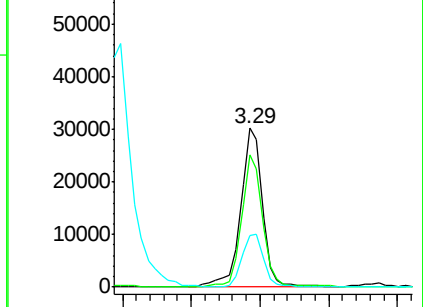
76 32.4 27.3 40.9

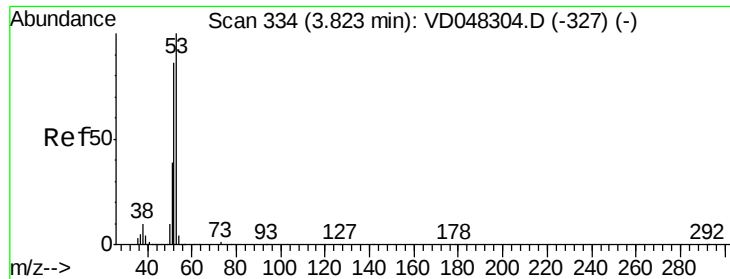


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 113.30 ug/l

RT: 3.79 min Scan# 331

Delta R.T. -0.04 min

Lab File: VD048324.D

Acq: 6 Jan 2016 16:12

Instrument :

BNA_F

ClientSampleId :

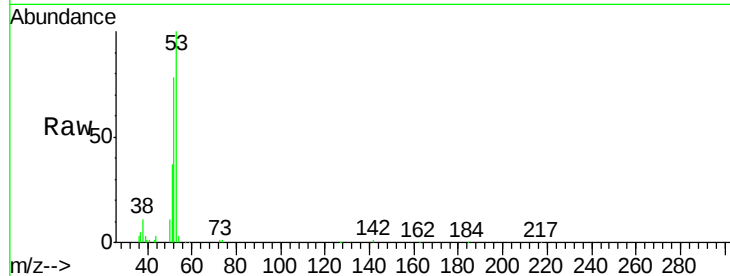
Tot Ion: 53 Resp: 44274

Ion Ratio Lower Upper

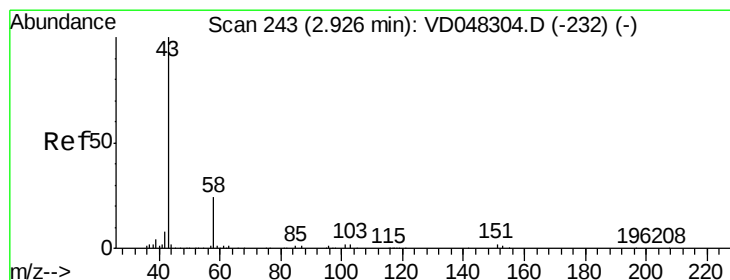
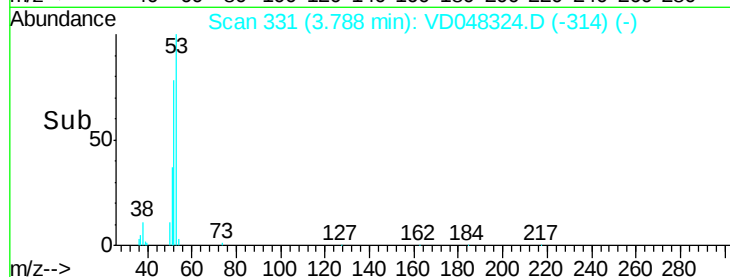
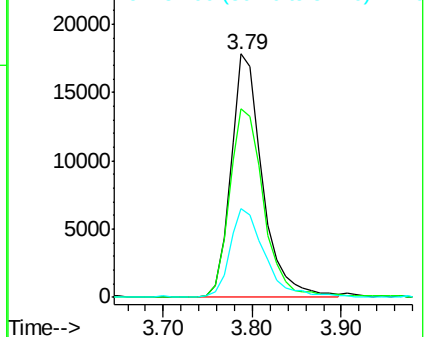
53 100

52 77.6 65.7 98.5

51 36.5 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: 99.63 ug/l

RT: 2.91 min Scan# 242

Delta R.T. -0.02 min

Lab File: VD048324.D

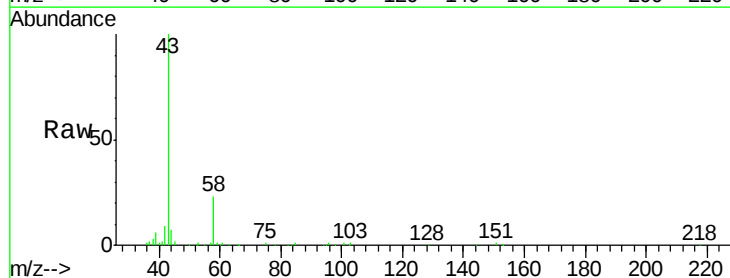
Acq: 6 Jan 2016 16:12

Tgt Ion: 43 Resp: 52243

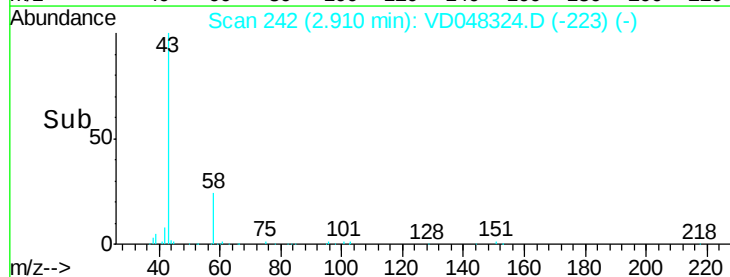
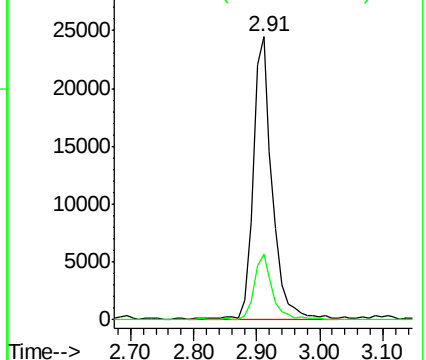
Ion Ratio Lower Upper

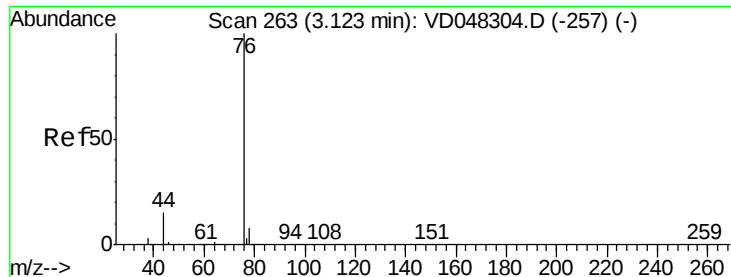
43 100

58 23.4 20.6 30.8



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

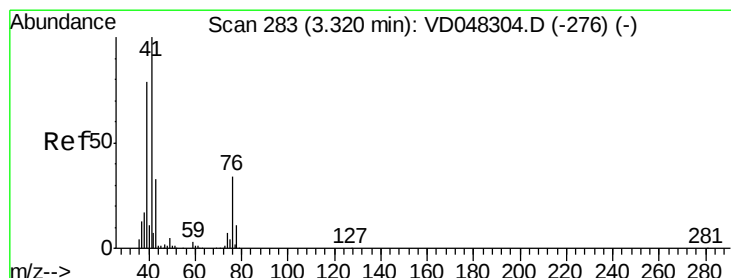
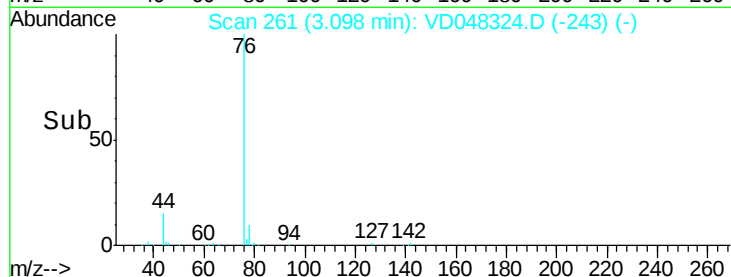
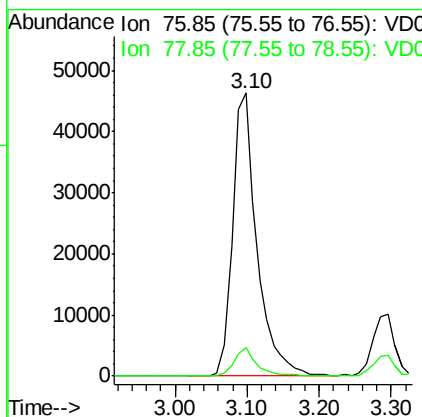
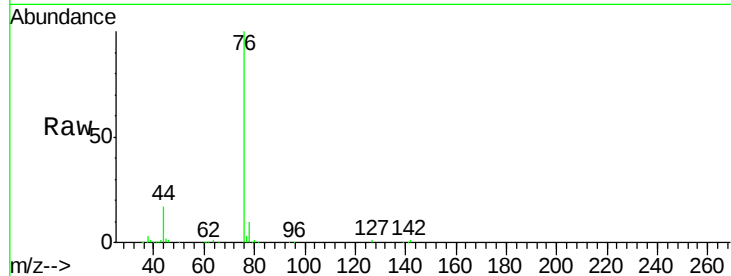




#17
Carbon Disulfide
Concen: 16.78 ug/l
RT: 3.10 min Scan# 261
Delta R.T. -0.03 min
Lab File: VD048324.D
Acq: 6 Jan 2016 16:12

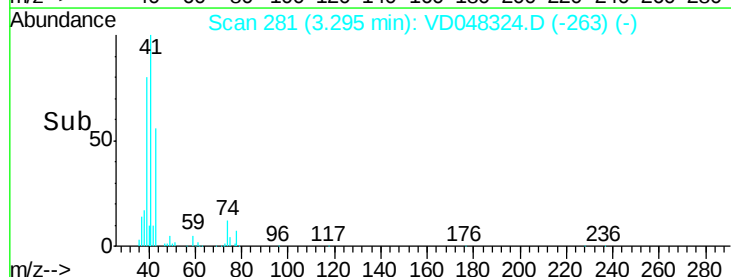
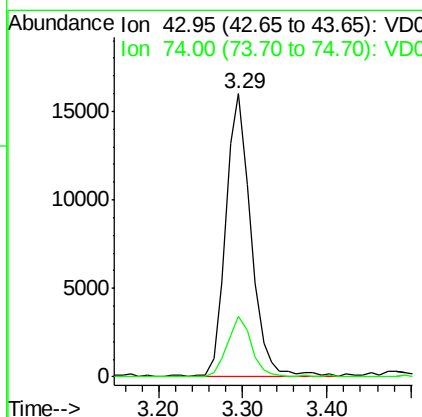
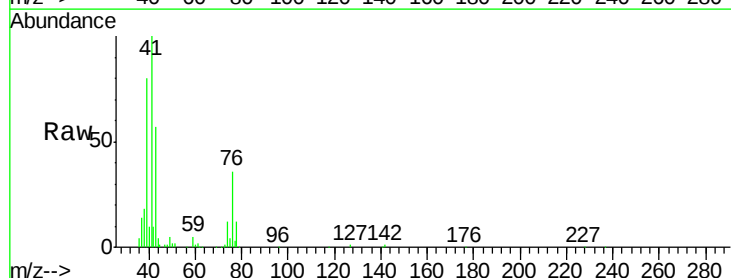
Instrument :
BNA_F
ClientSampleId :

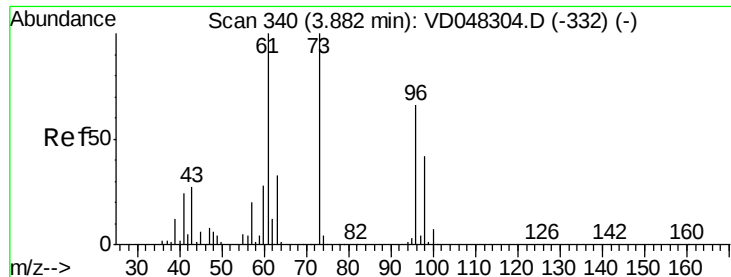
Tot Ion: 76 Resp: 109446
Ion Ratio Lower Upper
76 100
78 10.0 7.1 10.7



#18
Methyl Acetate
Concen: 25.54 ug/l
RT: 3.29 min Scan# 281
Delta R.T. -0.03 min
Lab File: VD048324.D
Acq: 6 Jan 2016 16:12

Tgt Ion: 43 Resp: 33310
Ion Ratio Lower Upper
43 100
74 21.4 15.2 22.8

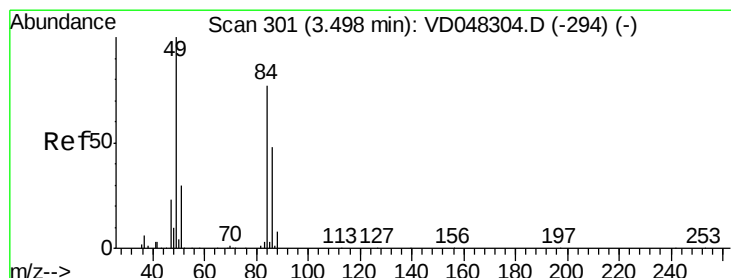
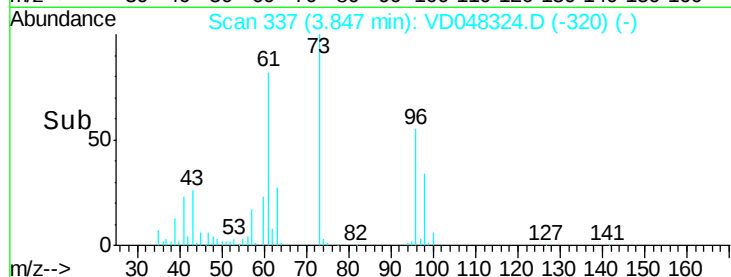
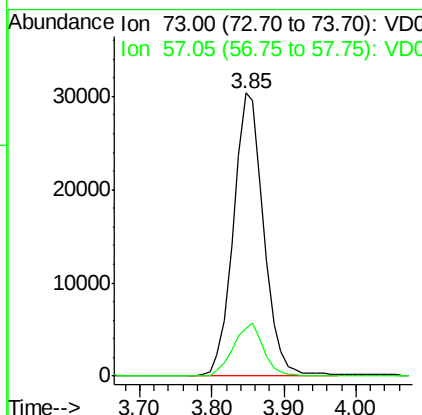
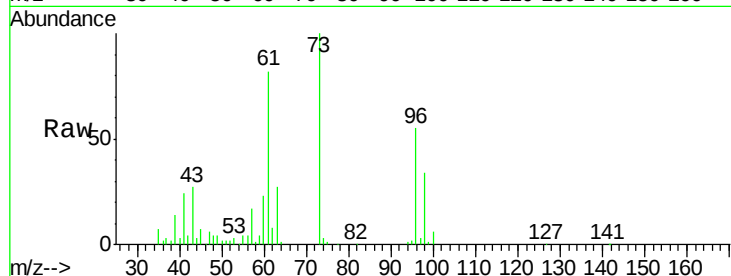




#19
Methyl tert-butyl Ether
Concen: 22.31 ug/l
RT: 3.85 min Scan# 337
Delta R.T. -0.04 min
Lab File: VD048324.D
Acq: 6 Jan 2016 16:12

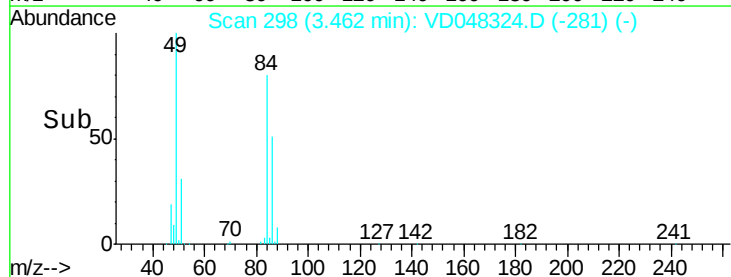
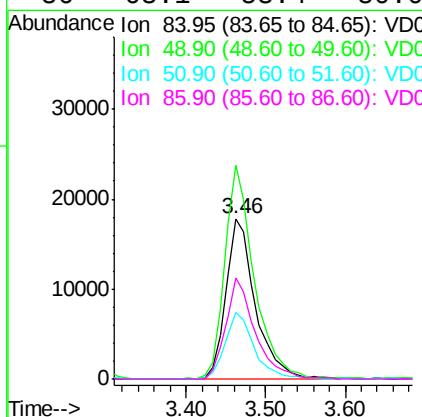
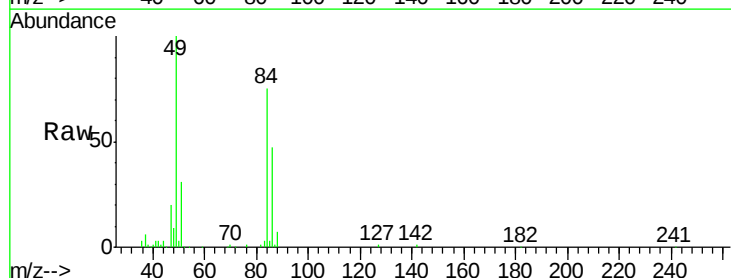
Instrument :
BNA_F
ClientSampleId :

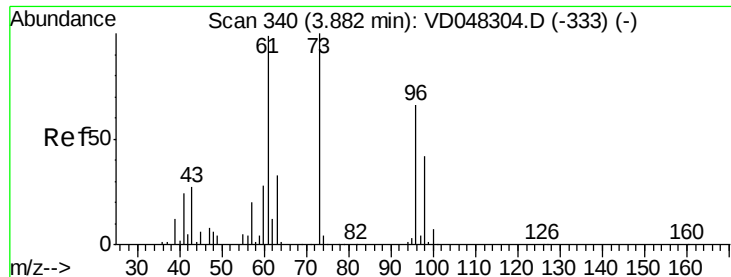
Tot Ion: 73 Resp: 89138
Ion Ratio Lower Upper
73 100
57 17.0 15.1 22.7



#20
Methylene Chloride
Concen: 18.75 ug/l
RT: 3.46 min Scan# 298
Delta R.T. -0.04 min
Lab File: VD048324.D
Acq: 6 Jan 2016 16:12

Tgt Ion: 84 Resp: 46101
Ion Ratio Lower Upper
84 100
49 133.3 106.5 159.7
51 41.6 33.2 49.8
86 63.1 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 18.50 ug/l

RT: 3.85 min Scan# 337

Delta R.T. -0.04 min

Lab File: VD048324.D

Acq: 6 Jan 2016 16:12

Instrument :

BNA_F

ClientSampleId :

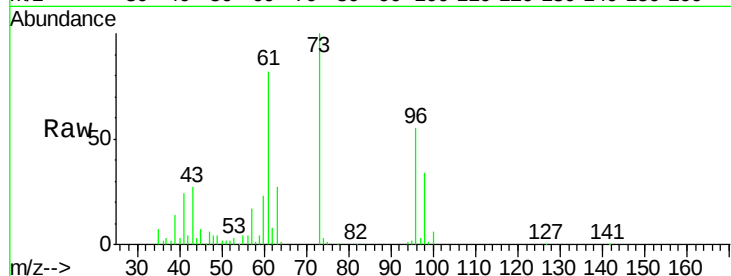
Tot Ion: 96 Resp: 37915

Ion Ratio Lower Upper

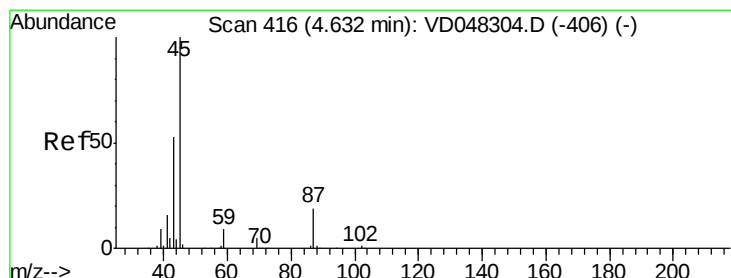
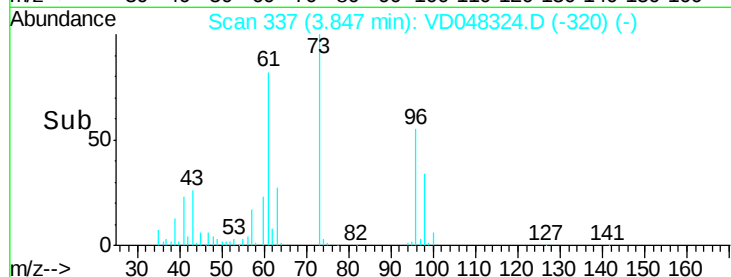
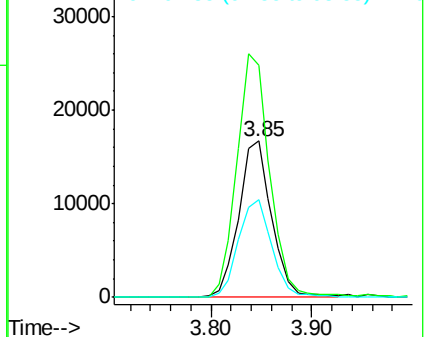
96 100

61 148.9 129.7 194.5

98 62.6 49.1 73.7



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



#22

Diisopropyl ether

Concen: 19.86 ug/l

RT: 4.60 min Scan# 413

Delta R.T. -0.04 min

Lab File: VD048324.D

Acq: 6 Jan 2016 16:12

Tgt Ion: 45 Resp: 141769

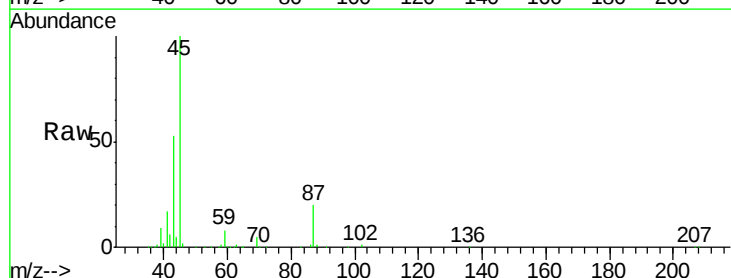
Ion Ratio Lower Upper

45 100

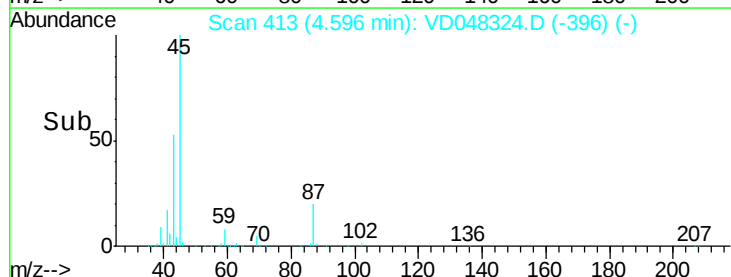
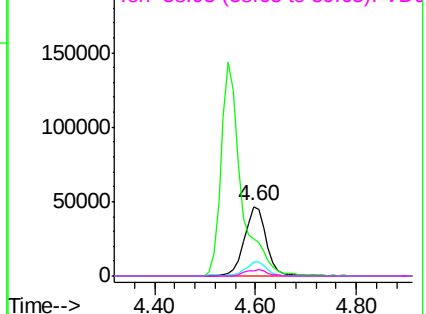
43 53.4 40.0 60.0

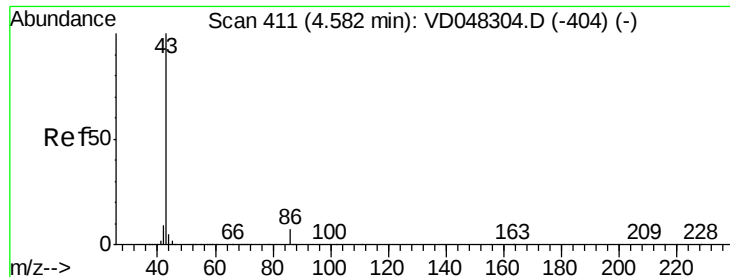
87 19.6 15.8 23.8

59 7.8 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: 113.46 ug/l

RT: 4.55 min Scan# 408

Delta R.T. -0.04 min

Lab File: VD048324.D

Acq: 6 Jan 2016 16:12

Instrument :

BNA_F

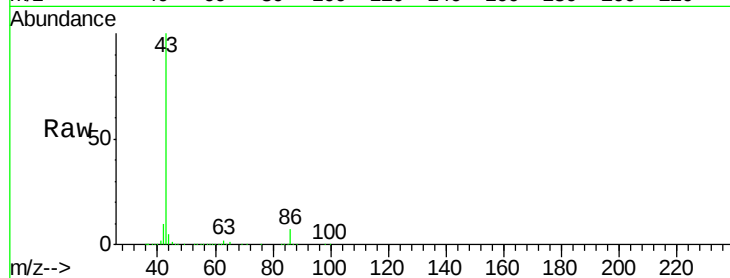
ClientSampleId :

Tot Ion: 43 Resp: 399611

Ion Ratio Lower Upper

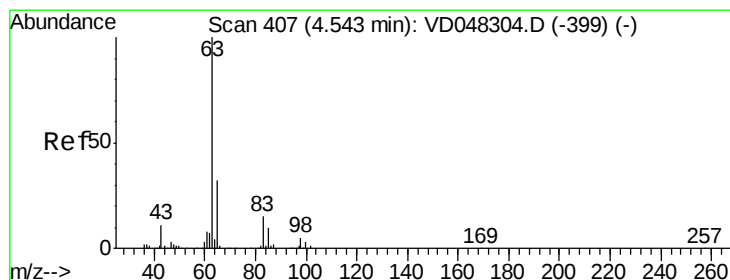
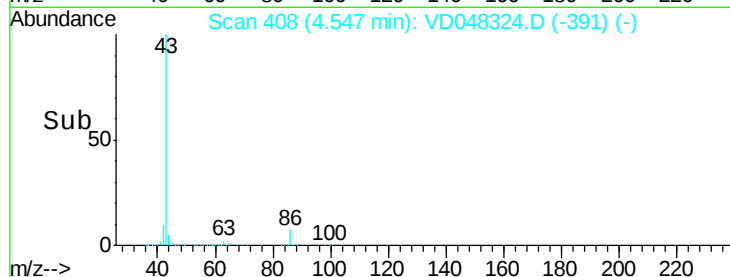
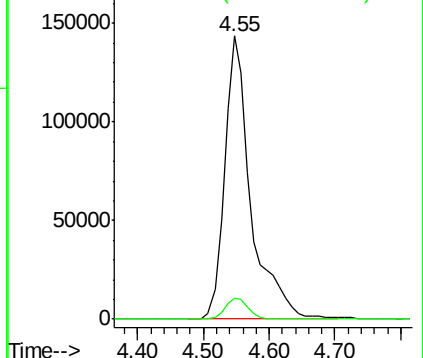
43 100

86 7.5 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: 19.13 ug/l

RT: 4.51 min Scan# 404

Delta R.T. -0.04 min

Lab File: VD048324.D

Acq: 6 Jan 2016 16:12

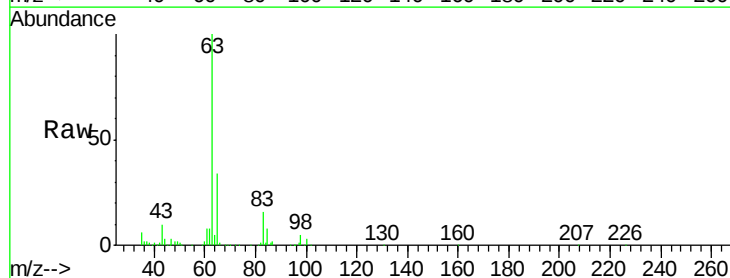
Tgt Ion: 63 Resp: 79452

Ion Ratio Lower Upper

63 100

98 5.4 2.5 7.5

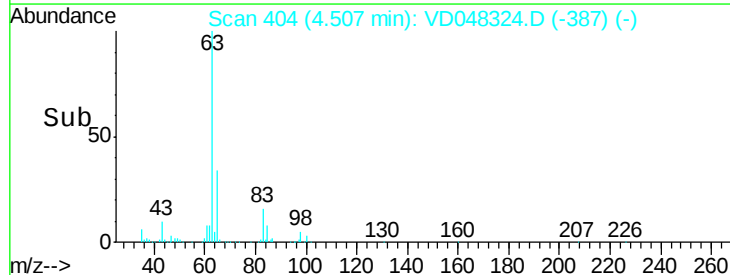
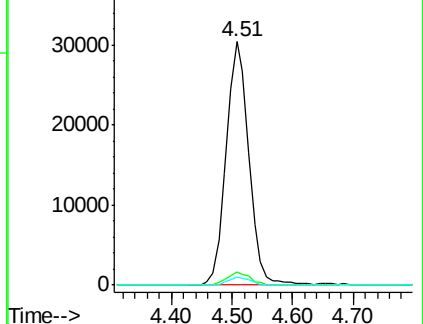
100 3.4 1.6 4.7

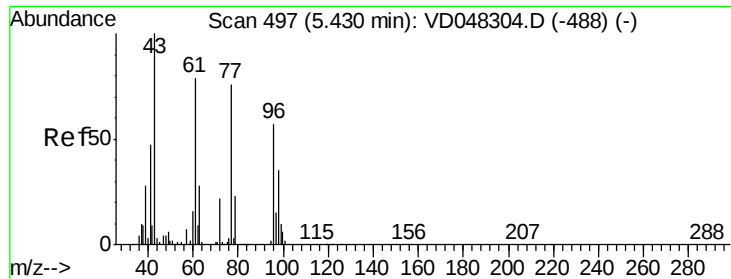


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 123.55 ug/l

RT: 5.39 min Scan# 494

Delta R.T. -0.04 min

Lab File: VD048324.D

Acq: 6 Jan 2016 16:12

Instrument :

BNA_F

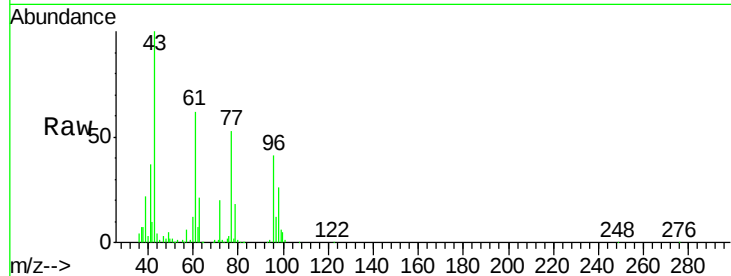
ClientSampleId :

Tot Ion: 43 Resp: 70237

Ion Ratio Lower Upper

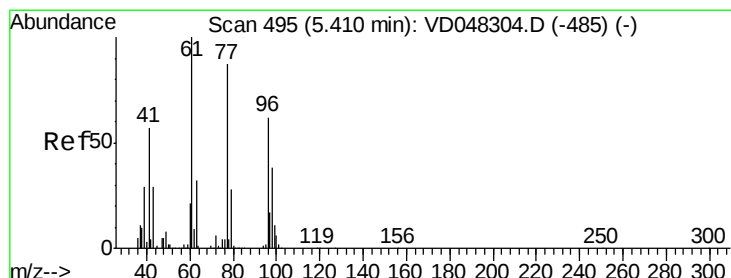
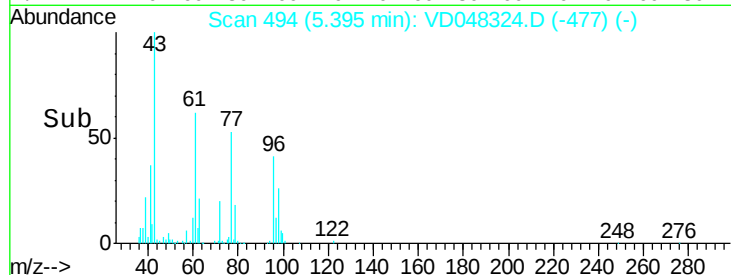
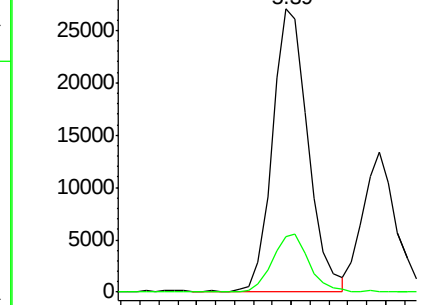
43 100

72 19.8 17.8 26.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 18.04 ug/l

RT: 5.37 min Scan# 492

Delta R.T. -0.04 min

Lab File: VD048324.D

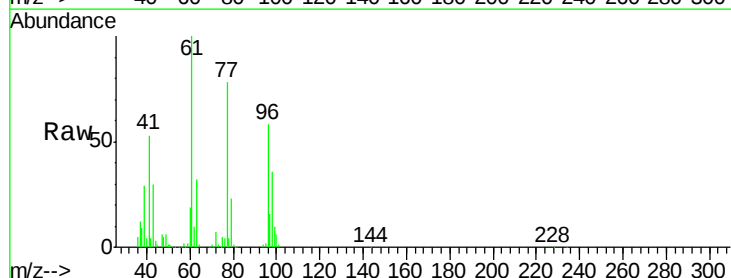
Acq: 6 Jan 2016 16:12

Tgt Ion: 77 Resp: 69785

Ion Ratio Lower Upper

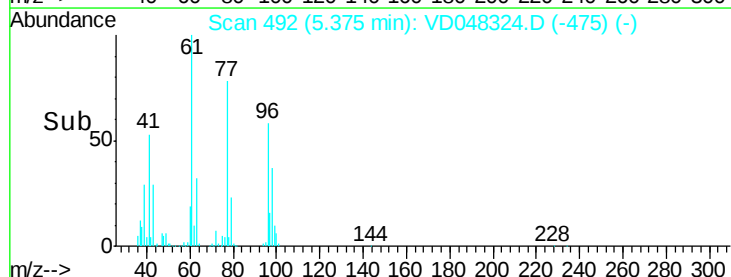
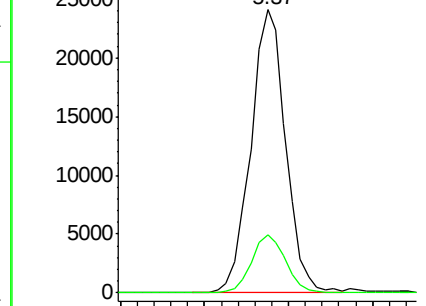
77 100

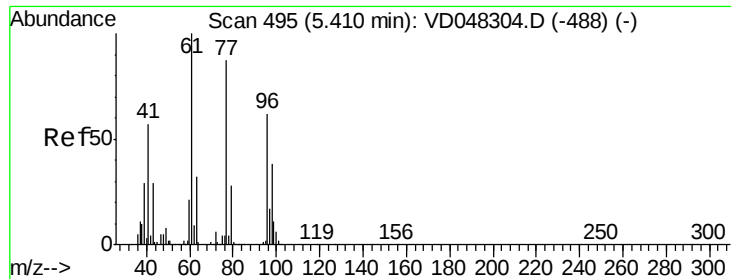
97 20.6 10.5 31.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

cis-1,2-Dichloroethene

Concen: 19.11 ug/l

RT: 5.37 min Scan# 492

Delta R.T. -0.04 min

Lab File: VD048324.D

Acq: 6 Jan 2016 16:12

Instrument :

BNA_F

ClientSampleId :

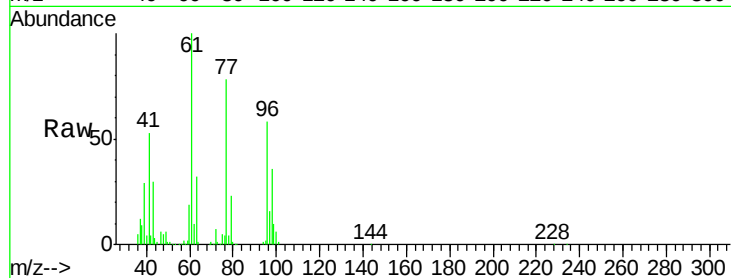
Tot Ion: 96 Resp: 45627

Ion Ratio Lower Upper

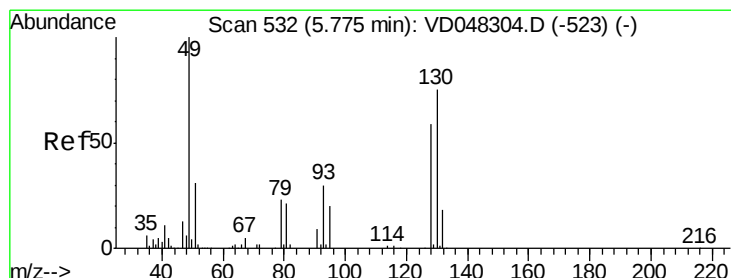
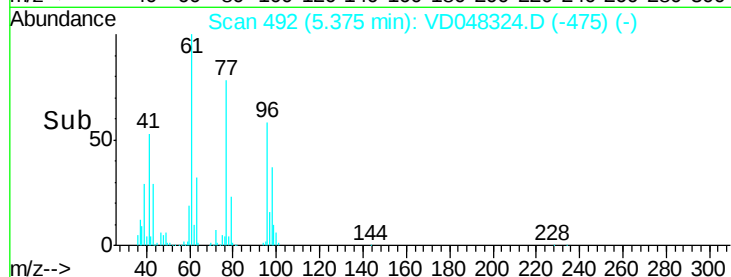
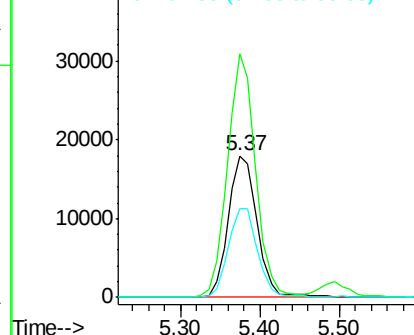
96 100

61 172.3 0.0 332.6

98 62.9 0.0 130.8



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



#28

Bromochloromethane

Concen: 18.75 ug/l

RT: 5.74 min Scan# 529

Delta R.T. -0.04 min

Lab File: VD048324.D

Acq: 6 Jan 2016 16:12

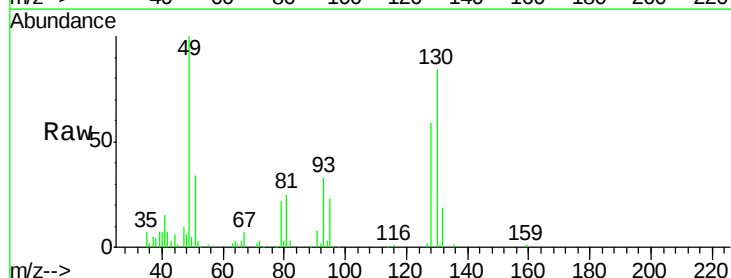
Tgt Ion: 49 Resp: 32432

Ion Ratio Lower Upper

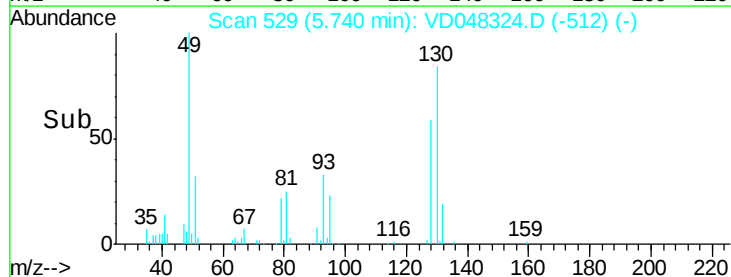
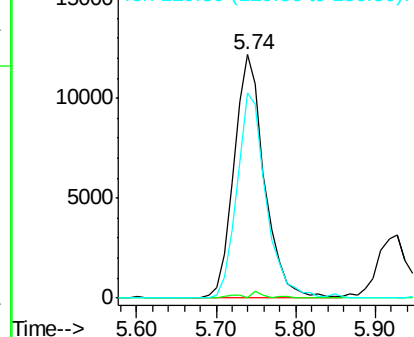
49 100

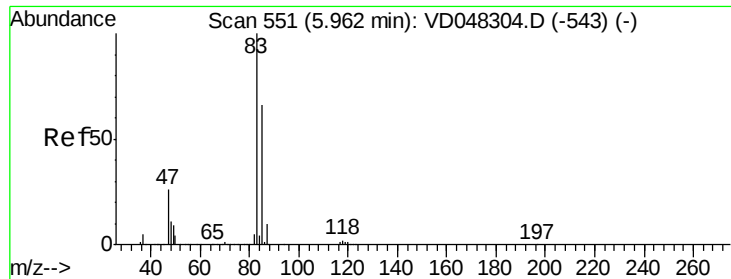
129 0.0 0.0 4.2

130 84.4 62.3 93.5



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

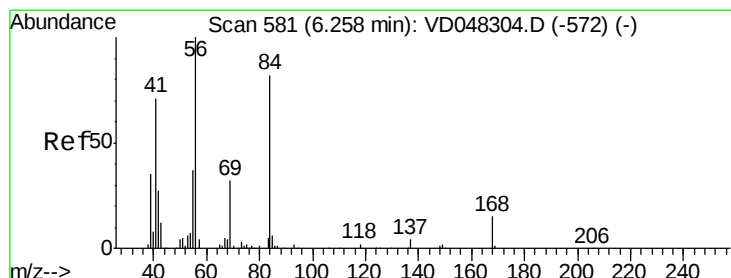
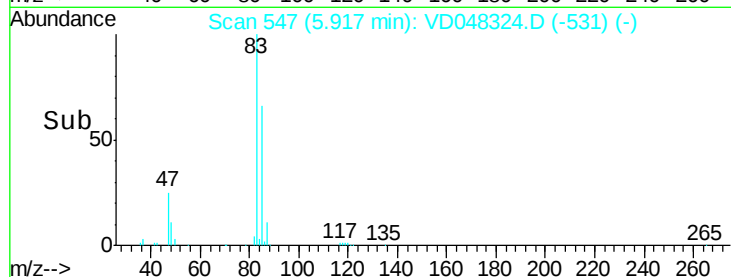
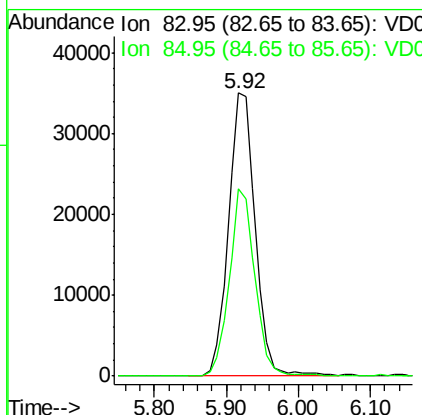
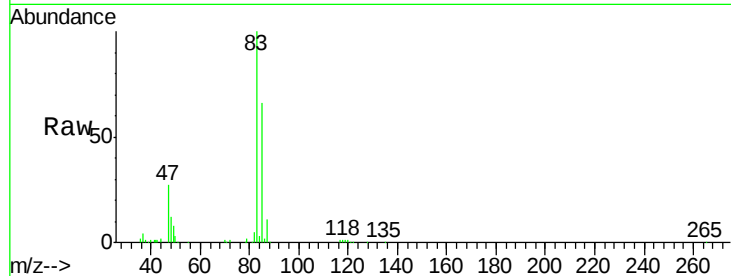




#29
Chloroform
Concen: 19.82 ug/l
RT: 5.92 min Scan# 547
Delta R.T. -0.05 min
Lab File: VD048324.D
Acq: 6 Jan 2016 16:12

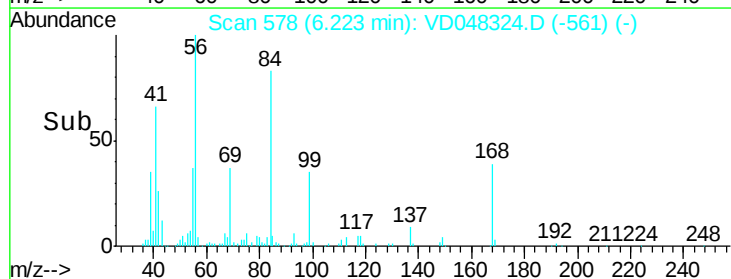
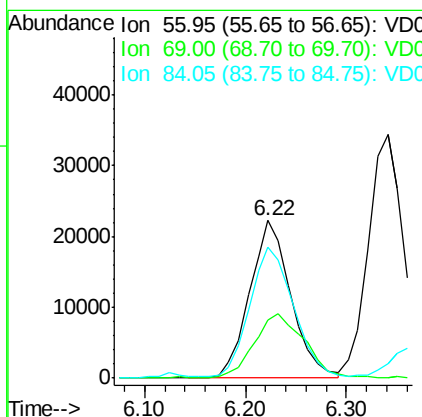
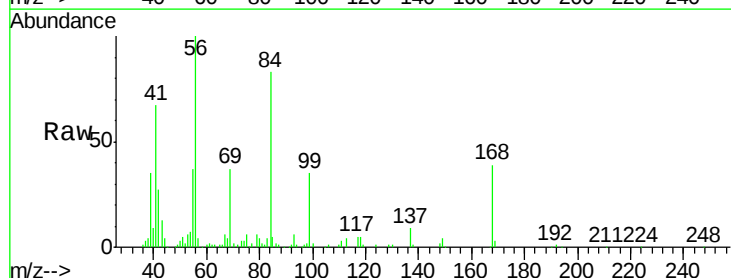
Instrument :
BNA_F
ClientSampleId :

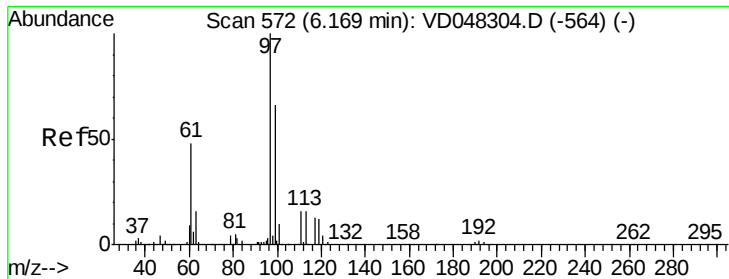
Tot Ion: 83 Resp: 90400
Ion Ratio Lower Upper
83 100
85 66.1 50.2 75.4



#30
Cyclohexane
Concen: 18.26 ug/l
RT: 6.22 min Scan# 578
Delta R.T. -0.04 min
Lab File: VD048324.D
Acq: 6 Jan 2016 16:12

Tgt Ion: 56 Resp: 63264
Ion Ratio Lower Upper
56 100
69 36.8 26.2 39.2
84 83.2 68.5 102.7





#31

1,1,1-Trichloroethane

Concen: 18.39 ug/l

RT: 6.13 min Scan# 569

Delta R.T. -0.04 min

Lab File: VD048324.D

Acq: 6 Jan 2016 16:12

Instrument :

BNA_F

ClientSampled :

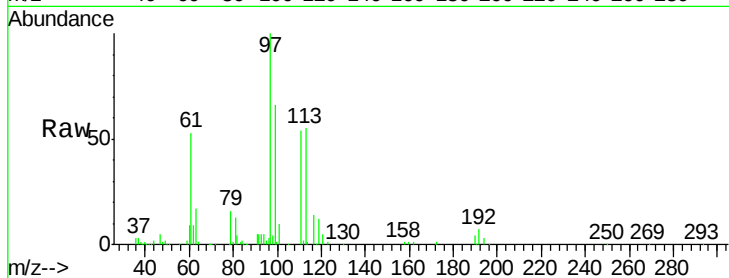
Tot Ion: 97 Resp: 65260

Ion Ratio Lower Upper

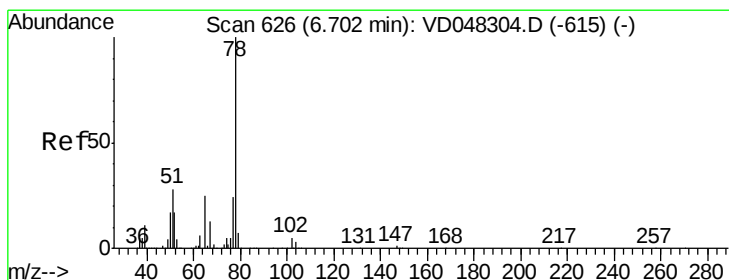
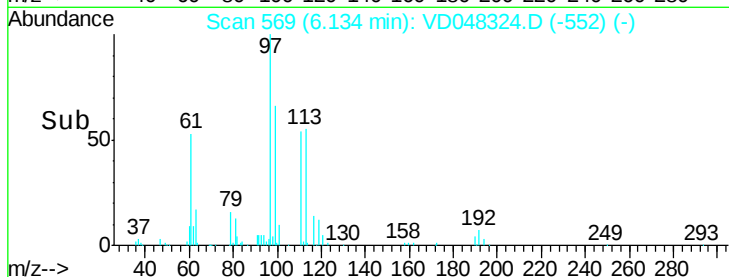
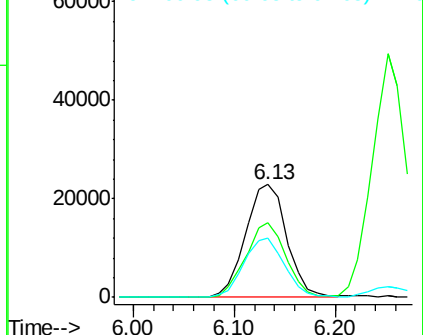
97 100

99 66.2 52.2 78.4

61 53.0 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: 18.39 ug/l

RT: 6.67 min Scan# 623

Delta R.T. -0.04 min

Lab File: VD048324.D

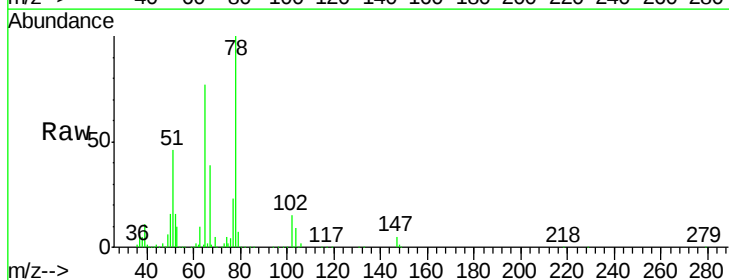
Acq: 6 Jan 2016 16:12

Tgt Ion: 65 Resp: 133674

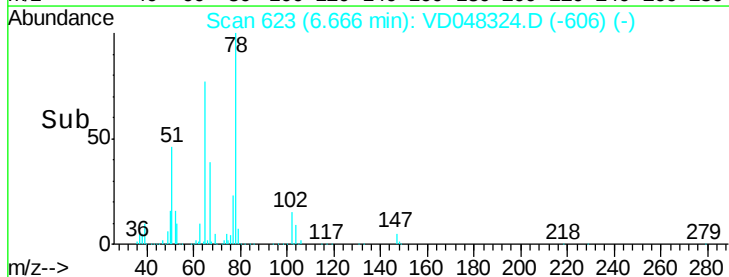
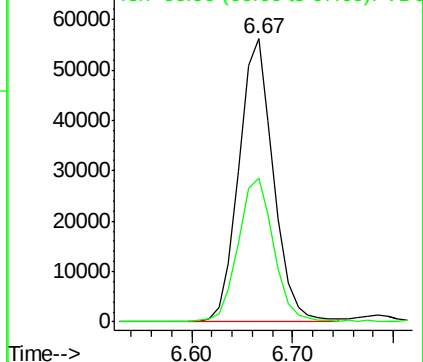
Ion Ratio Lower Upper

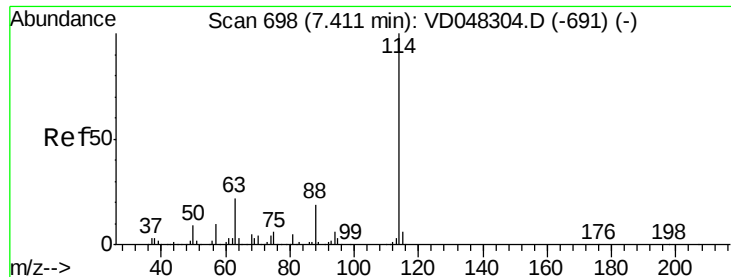
65 100

67 50.6 0.0 106.0



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

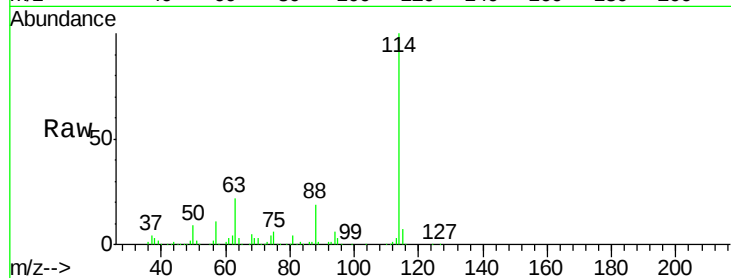




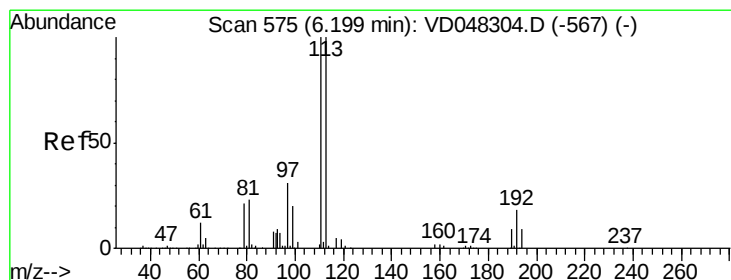
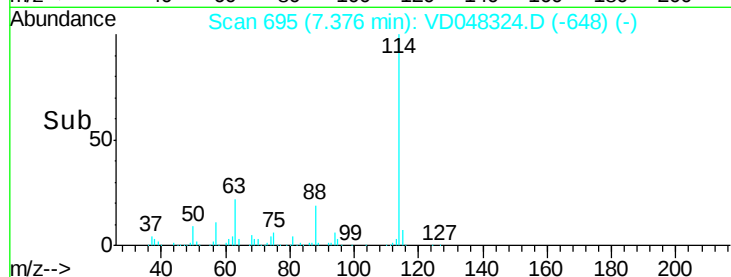
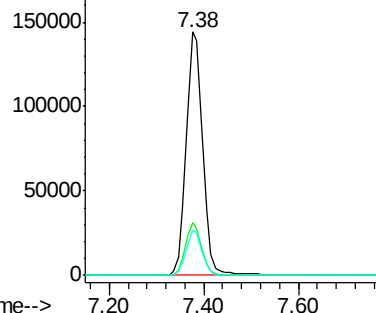
#33
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 7.38 min Scan# 695
 Delta R.T. -0.04 min
 Lab File: VD048324.D
 Acq: 6 Jan 2016 16:12

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	21.9	0.0	39.4
88	18.8	0.0	35.6

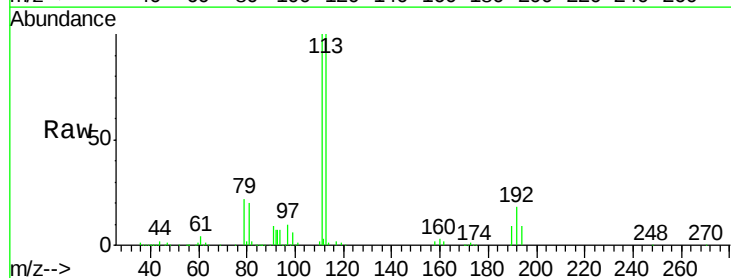


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 62.95 (62.65 to 63.65): V
 Ion 87.90 (87.60 to 88.60): V

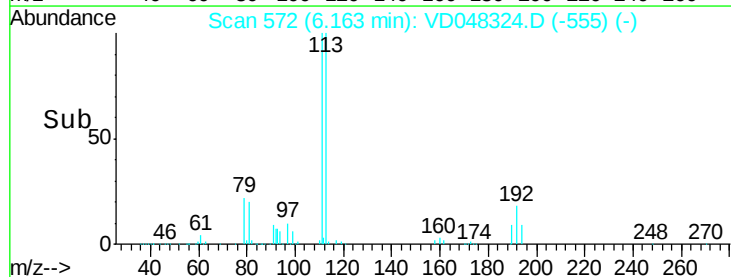
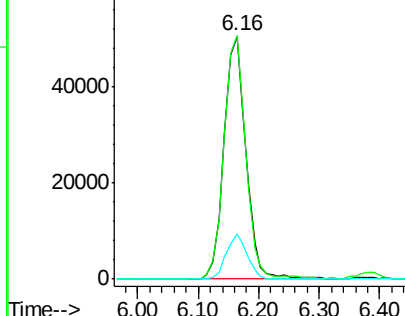


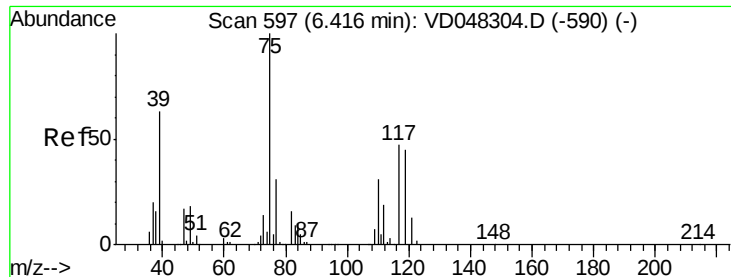
#34
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 6.16 min Scan# 572
 Delta R.T. -0.04 min
 Lab File: VD048324.D
 Acq: 6 Jan 2016 16:12

Tgt Ion	Ratio	Lower	Upper
113	100		
111	100.3	83.7	125.5
192	18.5	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: 19.37 ug/l

RT: 6.38 min Scan# 594

Delta R.T. -0.04 min

Lab File: VD048324.D

Acq: 6 Jan 2016 16:12

Instrument :

BNA_F

ClientSampleId :

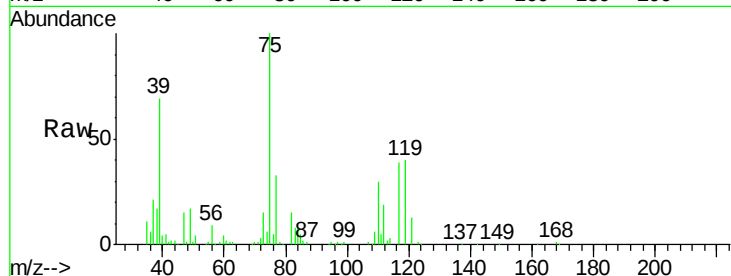
Tot Ion: 75 Resp: 67153

Ion Ratio Lower Upper

75 100

110 30.5 15.6 46.8

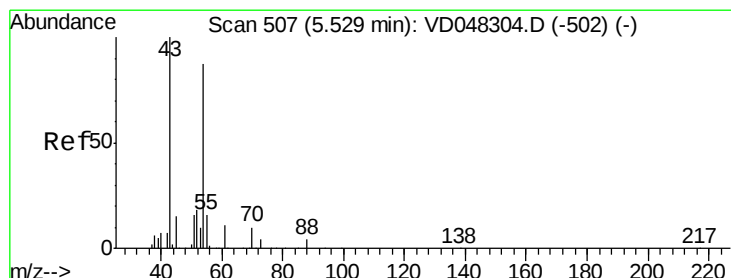
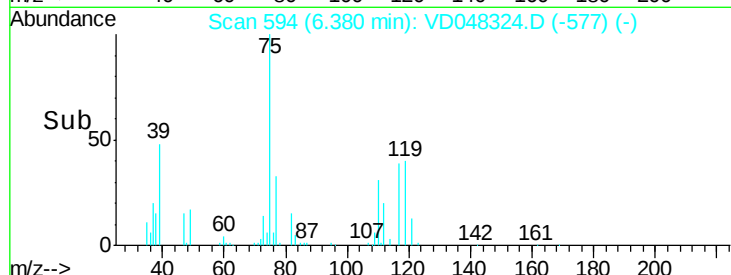
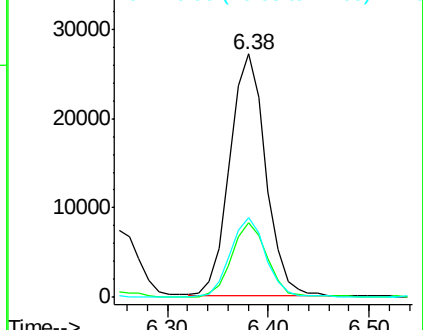
77 32.7 24.2 36.2



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: 21.78 ug/l

RT: 5.49 min Scan# 504

Delta R.T. -0.04 min

Lab File: VD048324.D

Acq: 6 Jan 2016 16:12

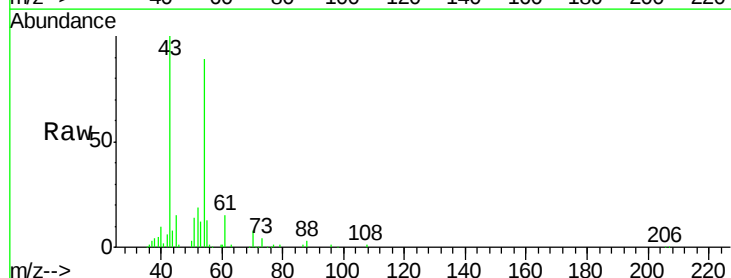
Tgt Ion: 43 Resp: 33335

Ion Ratio Lower Upper

43 100

61 14.9 10.2 15.2

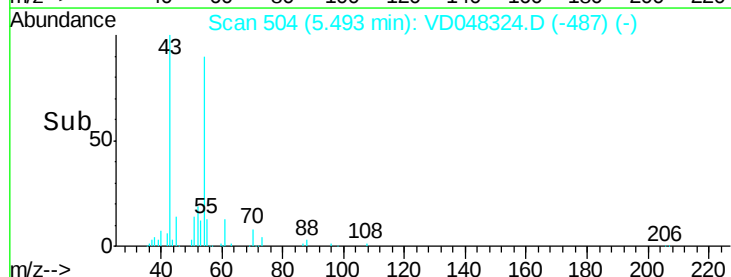
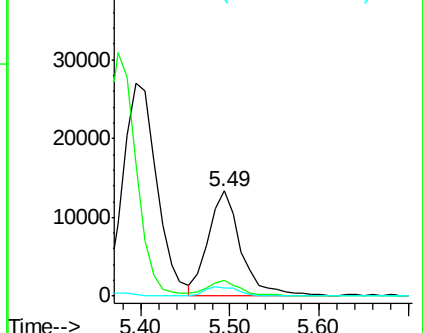
70 8.3 7.8 11.8

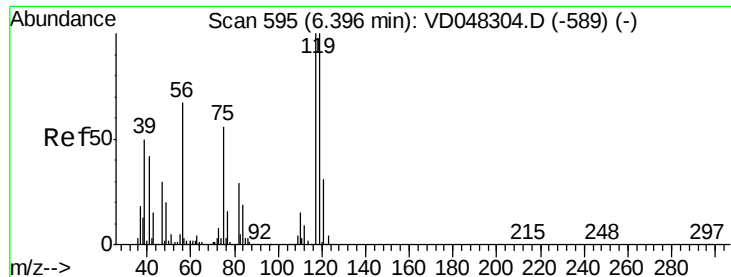


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC





#37

Carbon Tetrachloride

Concen: 18.35 ug/l

RT: 6.36 min Scan# 592

Delta R.T. -0.04 min

Lab File: VD048324.D

Acq: 6 Jan 2016 16:12

Instrument :

BNA_F

ClientSampleId :

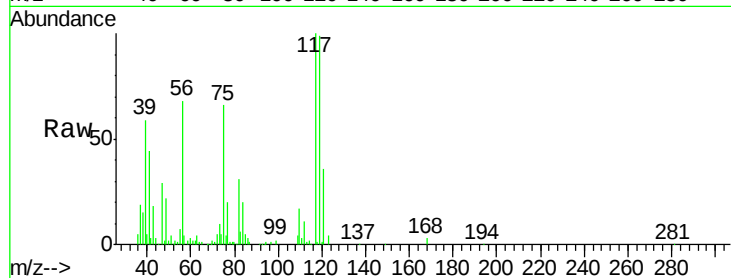
Tot Ion:117 Resp: 56653

Ion Ratio Lower Upper

117 100

119 99.0 79.8 119.8

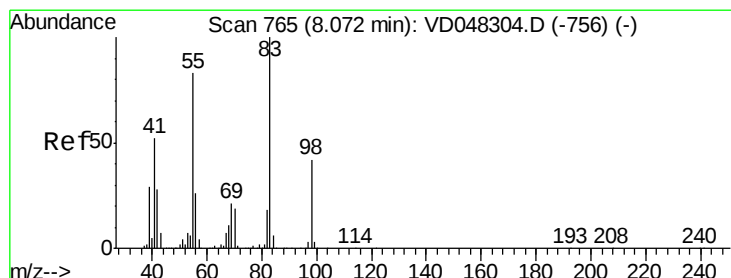
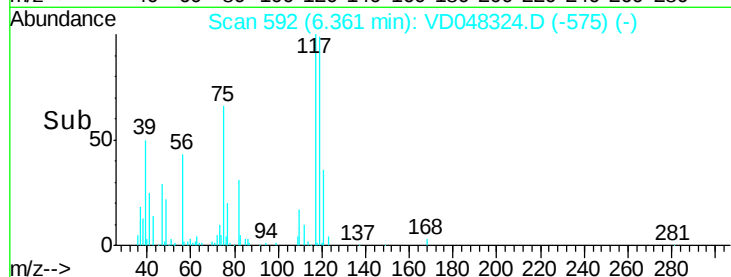
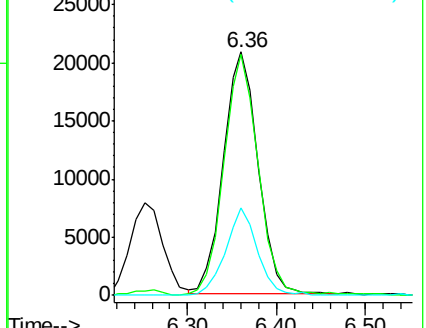
121 36.0 24.2 36.2



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V



#38

Methylcyclohexane

Concen: 18.75 ug/l

RT: 8.04 min Scan# 762

Delta R.T. -0.04 min

Lab File: VD048324.D

Acq: 6 Jan 2016 16:12

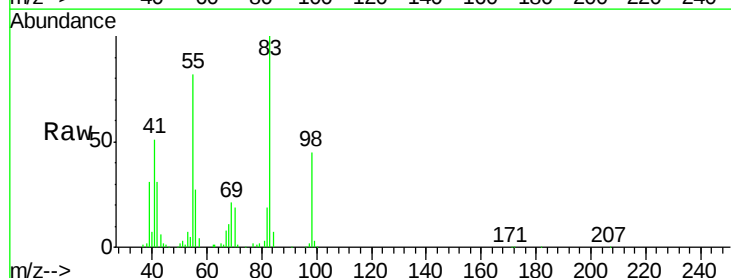
Tgt Ion: 83 Resp: 69939

Ion Ratio Lower Upper

83 100

55 81.5 72.0 108.0

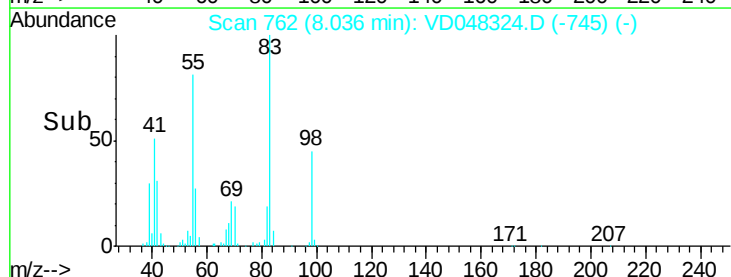
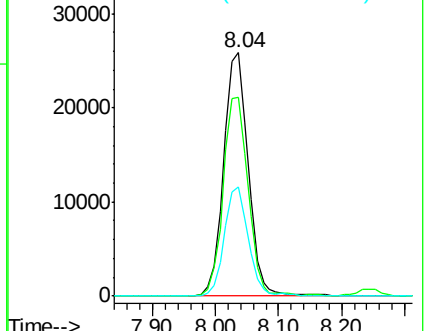
98 45.0 35.3 52.9

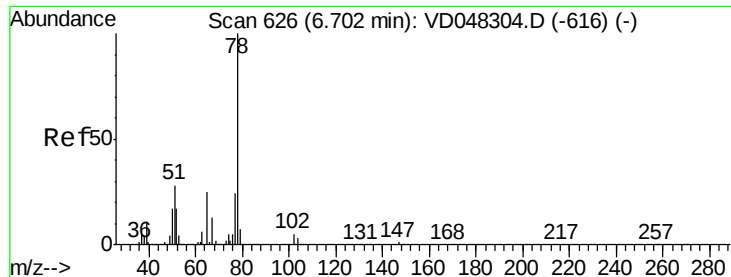


Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC





#39

Benzene

Concen: 19.43 ug/l

RT: 6.67 min Scan# 623

Delta R.T. -0.04 min

Lab File: VD048324.D

Acq: 6 Jan 2016 16:12

Instrument :

BNA_F

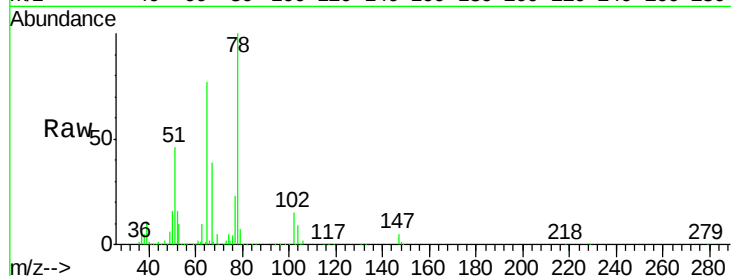
ClientSampleId :

Tot Ion: 78 Resp: 179565

Ion Ratio Lower Upper

78 100

77 23.4 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

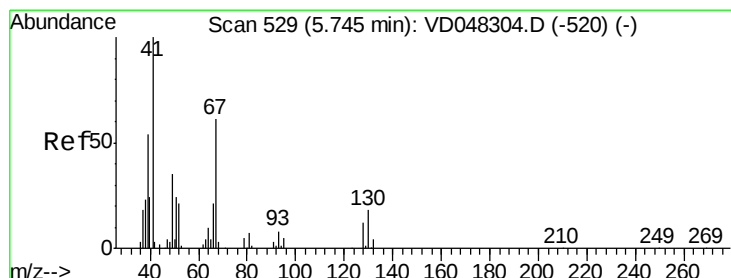
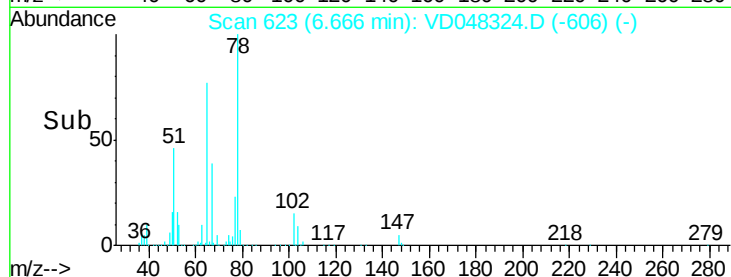
40000

20000

0

Time-->

6.50 6.60 6.70 6.80 6.90



#40

Methacrylonitrile

Concen: 22.96 ug/l

RT: 5.71 min Scan# 526

Delta R.T. -0.04 min

Lab File: VD048324.D

Acq: 6 Jan 2016 16:12

Tgt Ion: 41 Resp: 20608

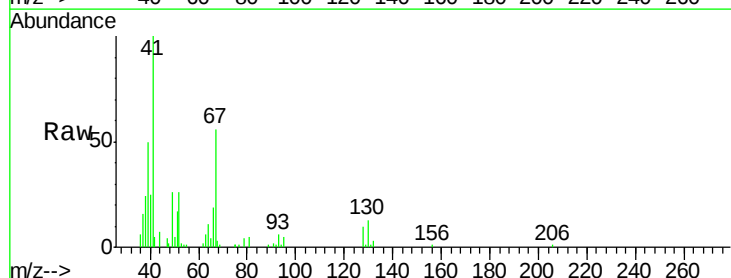
Ion Ratio Lower Upper

41 100

39 50.5 41.2 61.8

67 55.6 47.0 70.6

52 26.4 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

15000

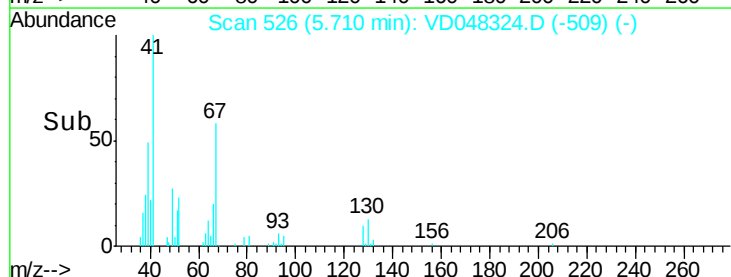
10000

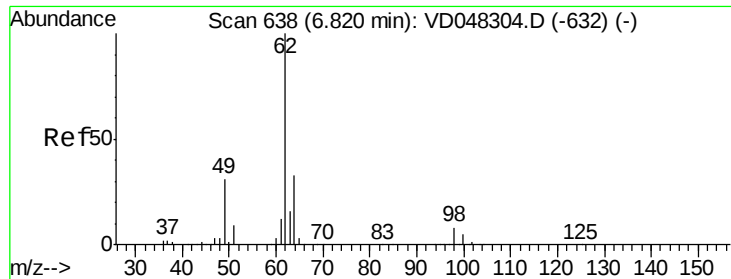
5000

0

Time-->

5.65 5.70 5.75





#41

1,2-Dichloroethane

Concen: 21.68 ug/l

RT: 6.78 min Scan# 635

Delta R.T. -0.04 min

Lab File: VD048324.D

Acq: 6 Jan 2016 16:12

Instrument :

BNA_F

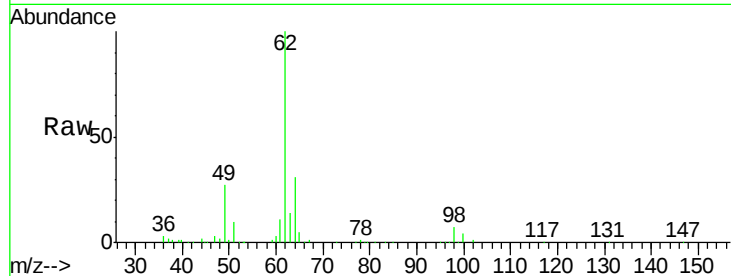
ClientSampleId :

Tot Ion: 62 Resp: 62915

Ion Ratio Lower Upper

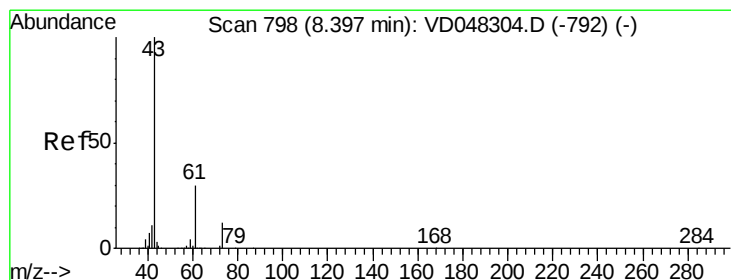
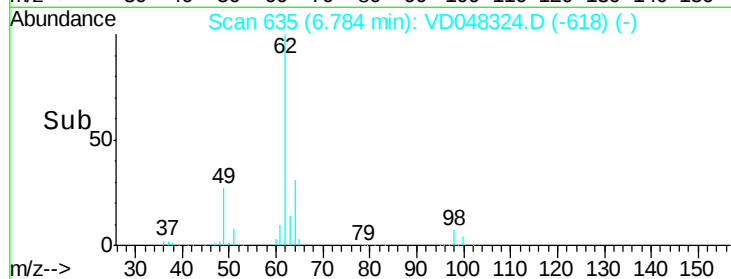
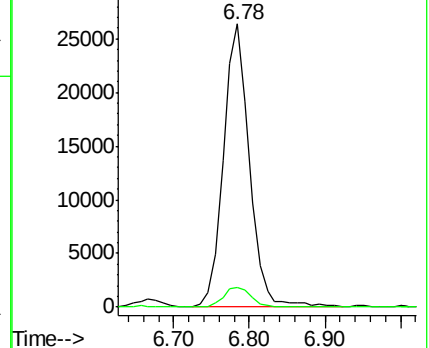
62 100

98 6.9 0.0 14.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#42

Isopropyl Acetate

Concen: 23.50 ug/l

RT: 8.36 min Scan# 795

Delta R.T. -0.04 min

Lab File: VD048324.D

Acq: 6 Jan 2016 16:12

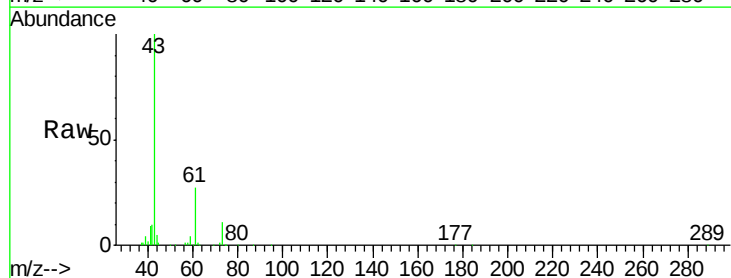
Tgt Ion: 43 Resp: 51135

Ion Ratio Lower Upper

43 100

61 27.5 23.8 35.8

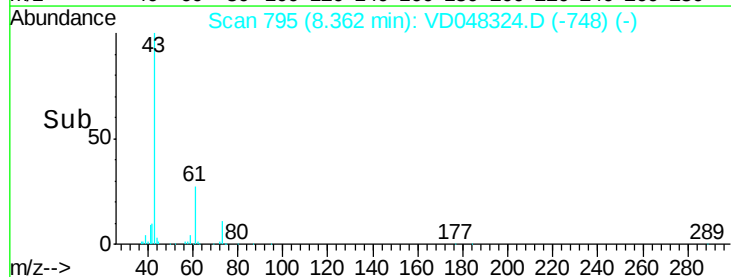
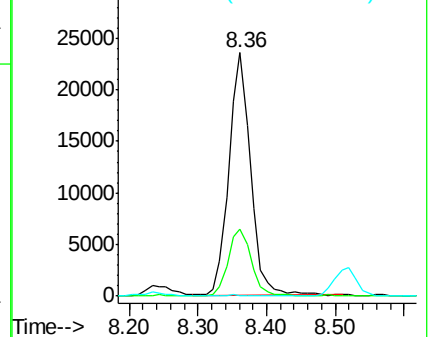
87 0.3 0.3 0.5#

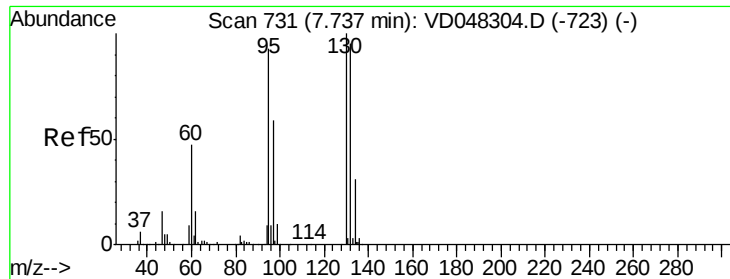


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC





#43

Trichloroethene

Concen: 19.40 ug/l

RT: 7.70 min Scan# 728

Delta R.T. -0.04 min

Lab File: VD048324.D

Acq: 6 Jan 2016 16:12

Instrument :

BNA_F

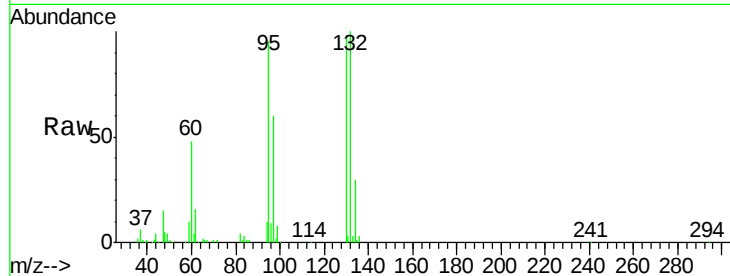
ClientSampled :

Tot Ion:130 Resp: 50525

Ion Ratio Lower Upper

130 100

95 96.9 0.0 190.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

7.70

20000

15000

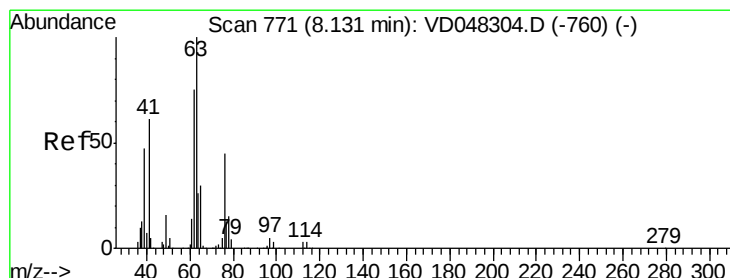
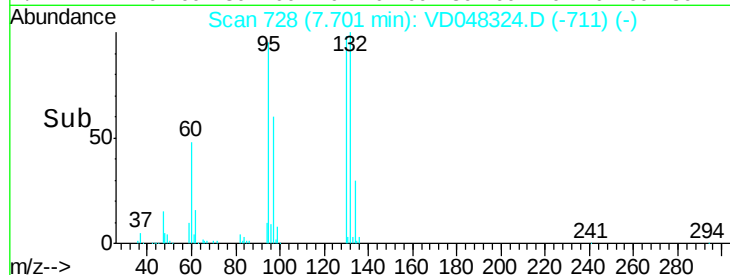
10000

5000

0

7.60 7.70 7.80 7.90

Time-->



#44

1,2-Dichloropropane

Concen: 20.08 ug/l

RT: 8.10 min Scan# 768

Delta R.T. -0.04 min

Lab File: VD048324.D

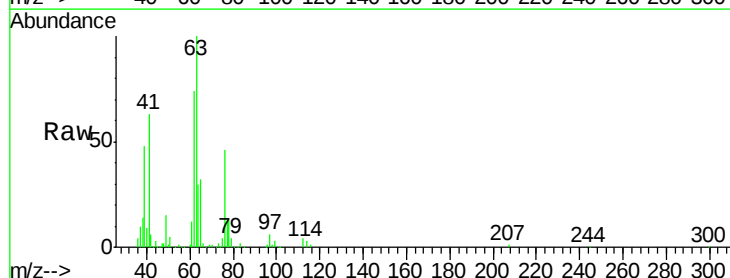
Acq: 6 Jan 2016 16:12

Tgt Ion: 63 Resp: 51479

Ion Ratio Lower Upper

63 100

65 32.0 23.7 35.5



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.10

20000

15000

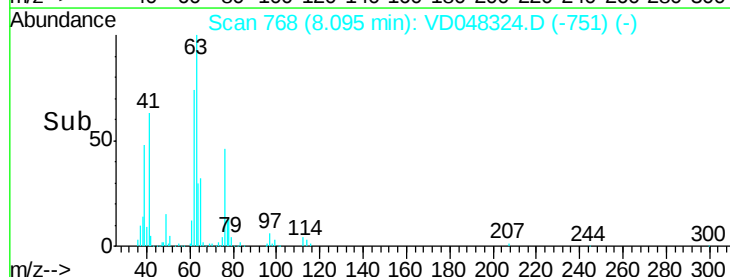
10000

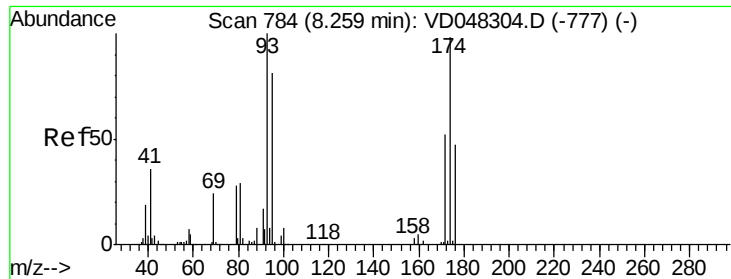
5000

0

8.00 8.20

Time-->





#45

Dibromomethane

Concen: 20.94 ug/l

RT: 8.21 min Scan# 780

Delta R.T. -0.05 min

Lab File: VD048324.D

Acq: 6 Jan 2016 16:12

Instrument :

BNA_F

ClientSampleId :

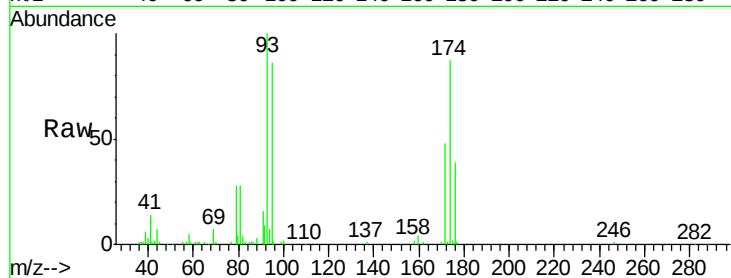
Tot Ion: 93 Resp: 29238

Ion Ratio Lower Upper

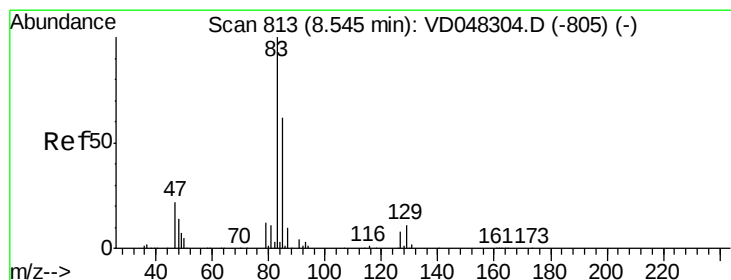
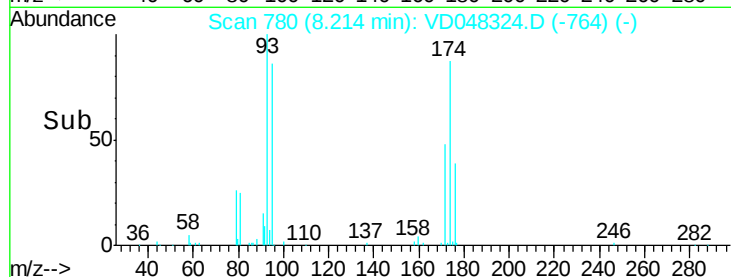
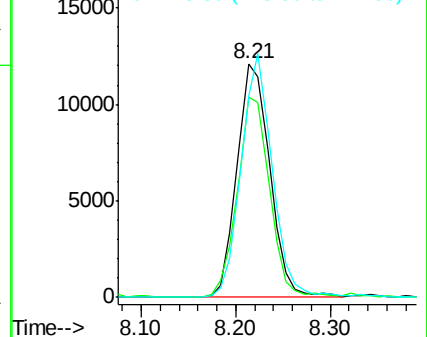
93 100

95 85.7 64.4 96.6

174 86.5 74.6 112.0



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



#46

Bromodichloromethane

Concen: 19.71 ug/l

RT: 8.51 min Scan# 810

Delta R.T. -0.04 min

Lab File: VD048324.D

Acq: 6 Jan 2016 16:12

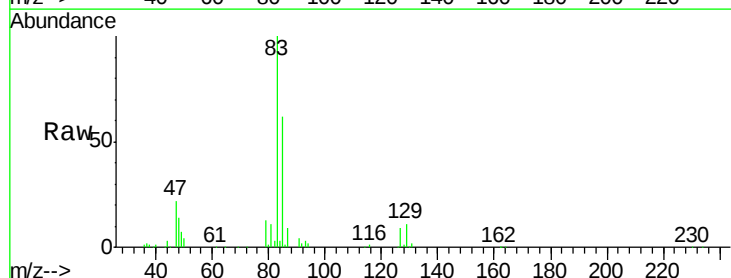
Tgt Ion: 83 Resp: 65722

Ion Ratio Lower Upper

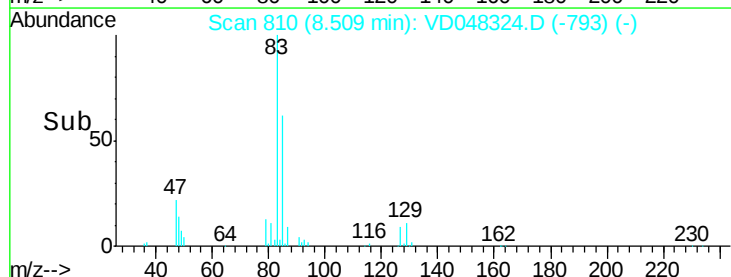
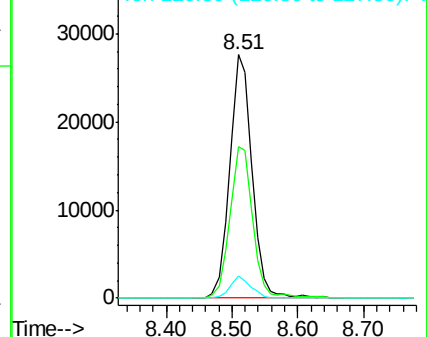
83 100

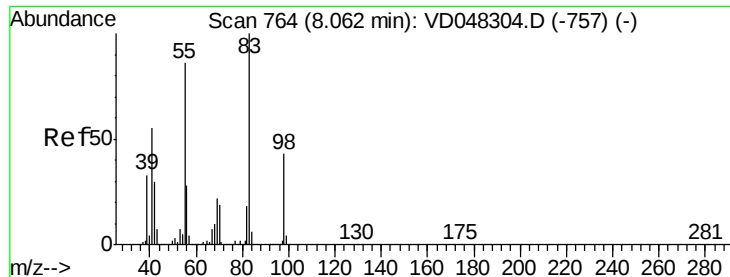
85 62.2 48.7 73.1

127 8.9 6.8 10.2



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

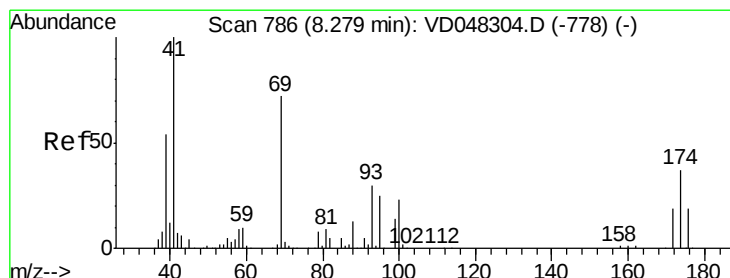
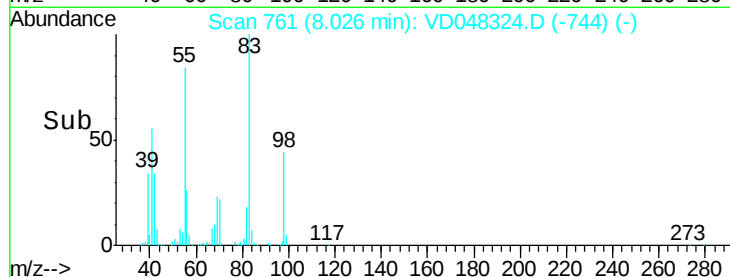
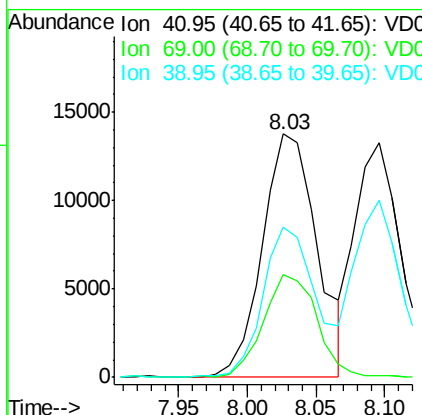
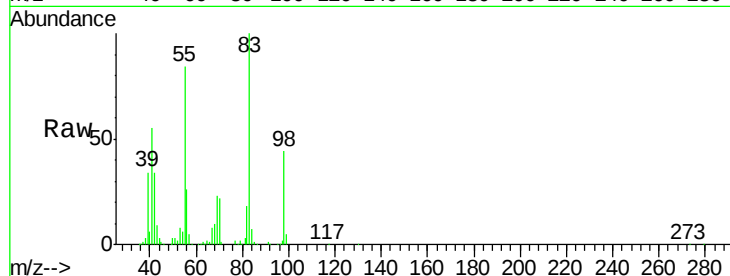




#47
Methvl methacrvlate
Concen: 18.40 ug/l
RT: 8.03 min Scan# 761
Delta R.T. -0.04 min
Lab File: VD048324.D
Acq: 6 Jan 2016 16:12

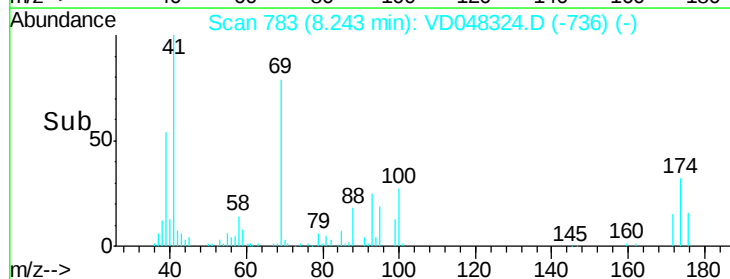
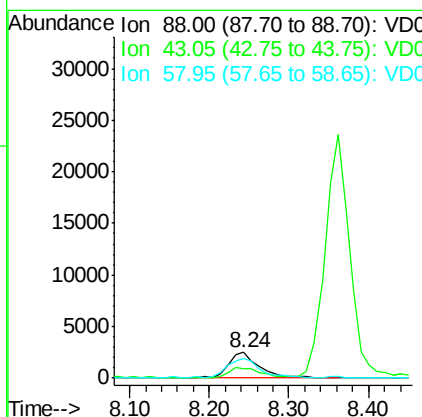
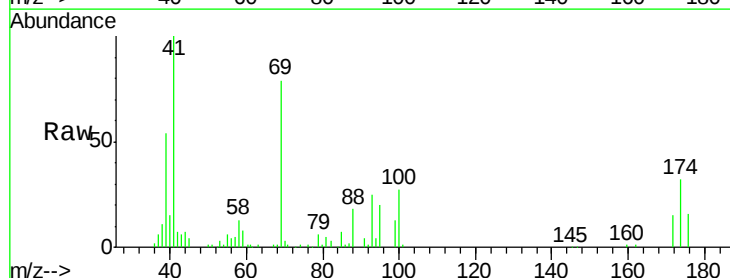
Instrument :
BNA_F
ClientSampleId :

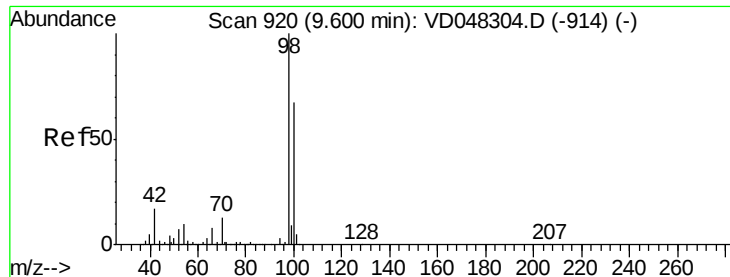
Tot Ion: 41 Resp: 38135
Ion Ratio Lower Upper
41 100
69 42.2 34.6 52.0
39 61.8 45.6 68.4



#48
1,4-Dioxane
Concen: 524.60 ug/l
RT: 8.24 min Scan# 783
Delta R.T. -0.04 min
Lab File: VD048324.D
Acq: 6 Jan 2016 16:12

Tgt Ion: 88 Resp: 6593
Ion Ratio Lower Upper
88 100
43 35.1 42.7 64.1#
58 75.7 63.9 95.9





#49

Toluene-d8

Concen: 524.60 ug/l

RT: 9.56 min Scan# 917

Delta R.T. -0.04 min

Lab File: VD048324.D

Acq: 6 Jan 2016 16:12

Instrument :

BNA_F

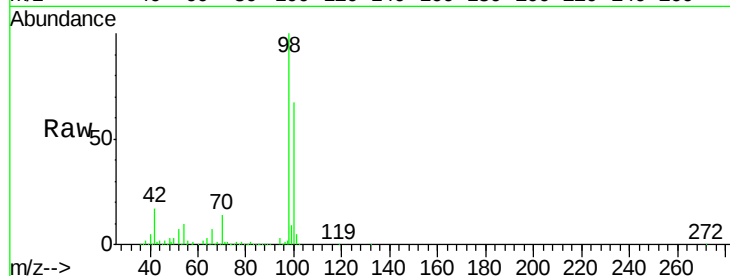
ClientSampleId :

Tot Ion: 98 Resp: 401909

Ion Ratio Lower Upper

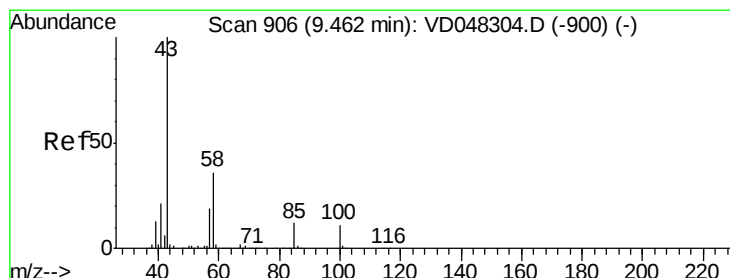
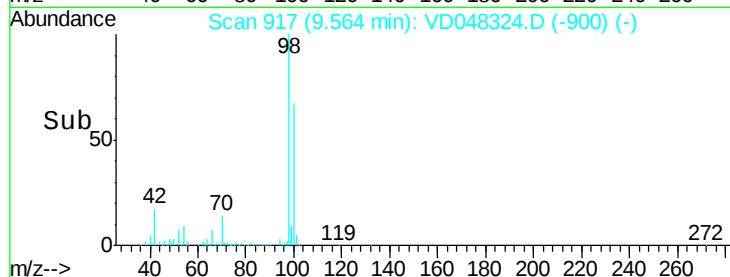
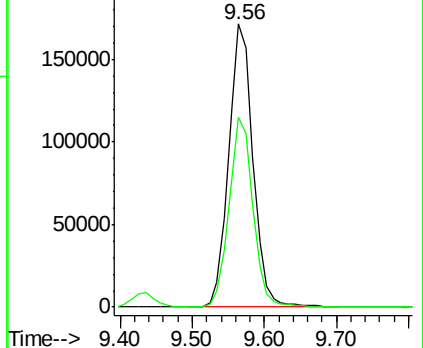
98 100

100 67.2 55.8 83.6



Abundance Ion 98.05 (97.75 to 98.75): VD048324.D (-900) (-)

Ion 100.05 (99.75 to 100.75): VD048324.D (-900) (-)



#50

4-Methyl-2-Pentanone

Concen: 127.85 ug/l

RT: 9.43 min Scan# 903

Delta R.T. -0.04 min

Lab File: VD048324.D

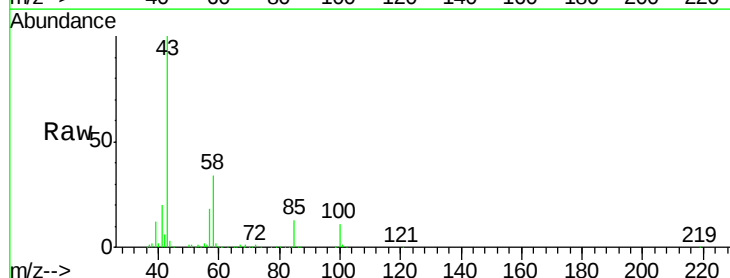
Acq: 6 Jan 2016 16:12

Tgt Ion: 43 Resp: 184940

Ion Ratio Lower Upper

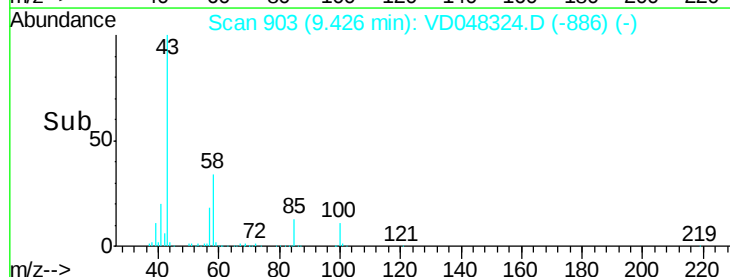
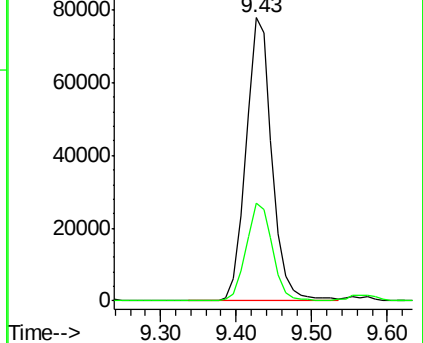
43 100

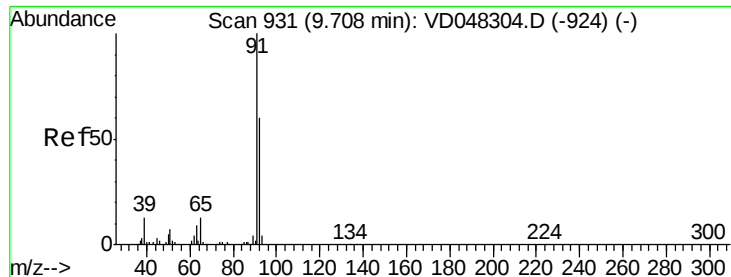
58 34.4 28.5 42.7



Abundance Ion 42.95 (42.65 to 43.65): VD048324.D (-886) (-)

Ion 57.95 (57.65 to 58.65): VD048324.D (-886) (-)





#51

Toluene

Concen: 19.66 ug/l

RT: 9.67 min Scan# 928

Delta R.T. -0.03 min

Lab File: VD048324.D

Acq: 6 Jan 2016 16:12

Instrument :

BNA_F

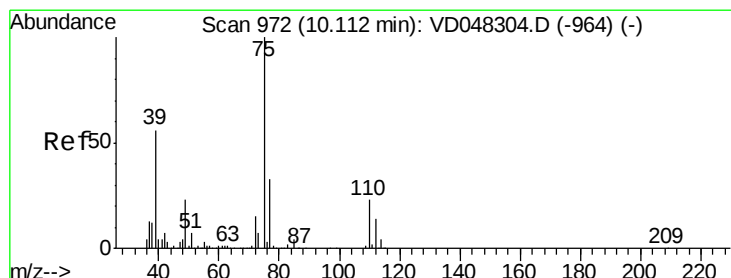
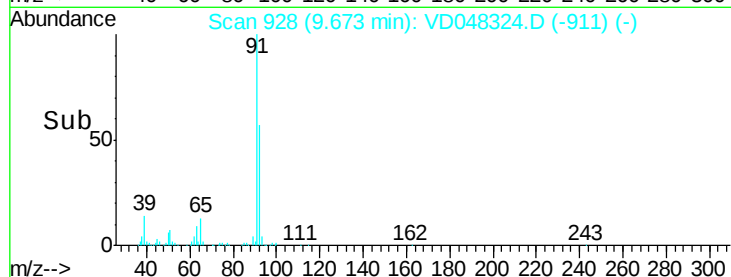
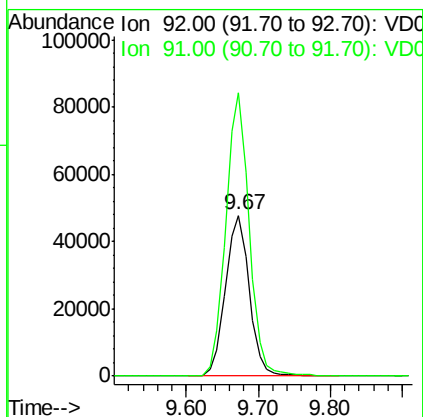
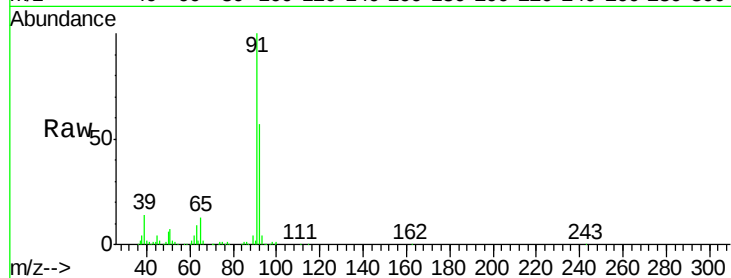
ClientSampleId :

Tot Ion: 92 Resp: 110791

Ion Ratio Lower Upper

92 100

91 176.1 133.4 200.2



#52

t-1,3-Dichloropropene

Concen: 20.42 ug/l

RT: 10.08 min Scan# 969

Delta R.T. -0.04 min

Lab File: VD048324.D

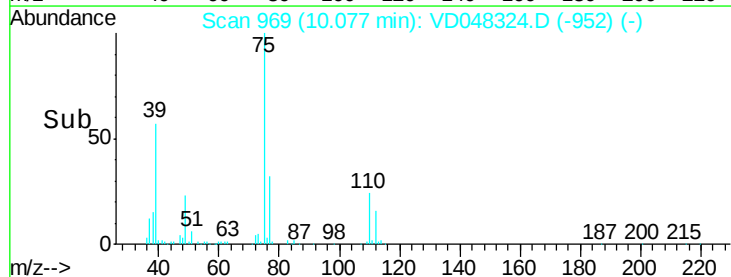
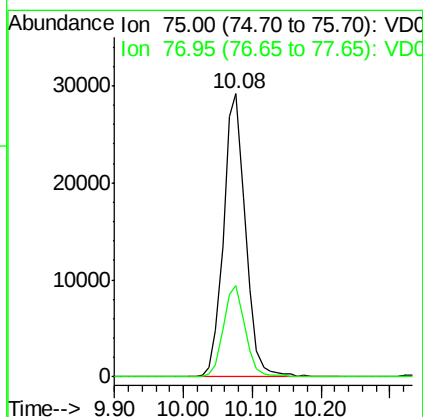
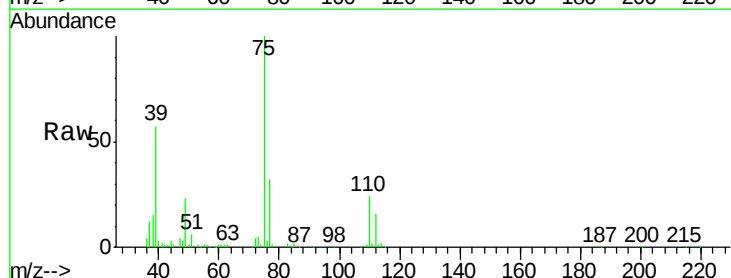
Acq: 6 Jan 2016 16:12

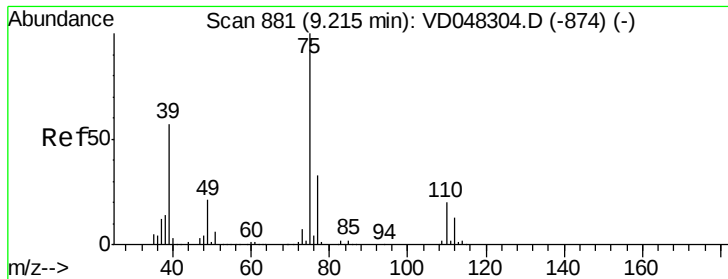
Tgt Ion: 75 Resp: 64558

Ion Ratio Lower Upper

75 100

77 32.2 26.4 39.6





#53

cis-1,3-Dichloropropene

Concen: 19.50 ug/l

RT: 9.18 min Scan# 878

Delta R.T. -0.04 min

Lab File: VD048324.D

Acq: 6 Jan 2016 16:12

Instrument :

BNA_F

ClientSampleId :

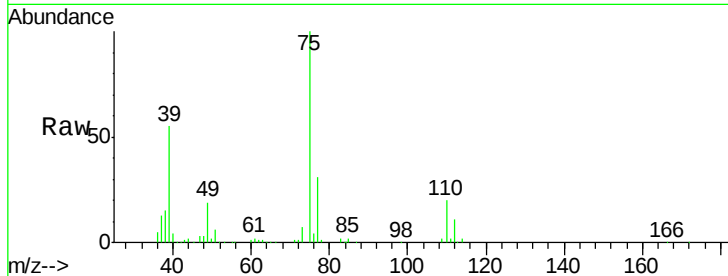
Tot Ion: 75 Resp: 77283

Ion Ratio Lower Upper

75 100

77 30.8 25.8 38.6

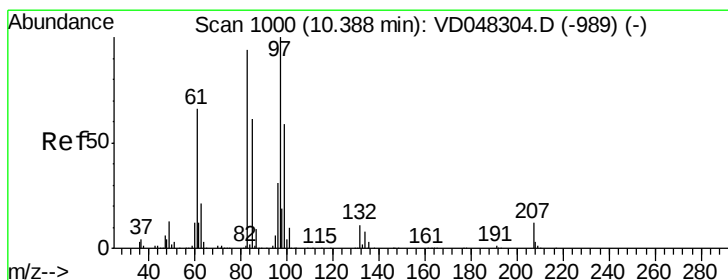
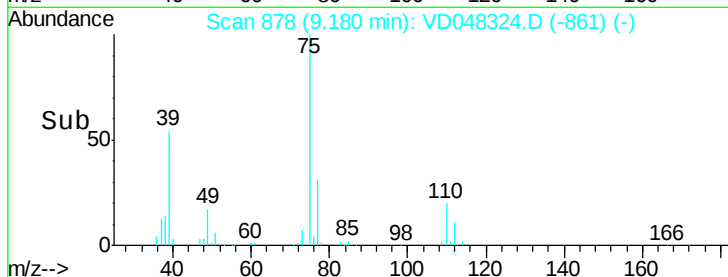
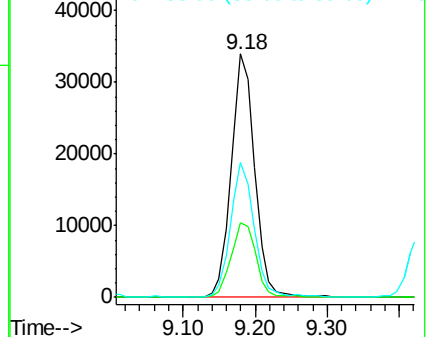
39 55.2 41.5 62.3



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC



#54

1,1,2-Trichloroethane

Concen: 21.55 ug/l

RT: 10.35 min Scan# 997

Delta R.T. -0.04 min

Lab File: VD048324.D

Acq: 6 Jan 2016 16:12

Tgt Ion: 97 Resp: 37959

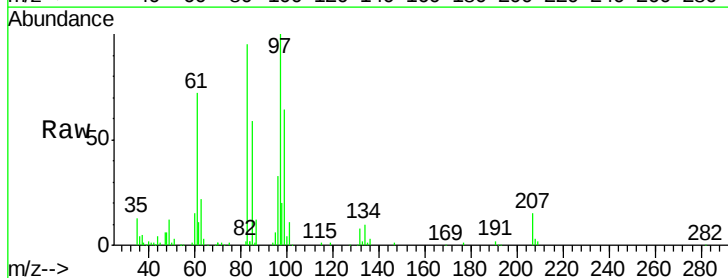
Ion Ratio Lower Upper

97 100

83 94.5 78.2 117.2

85 59.1 48.1 72.1

99 64.1 50.0 75.0

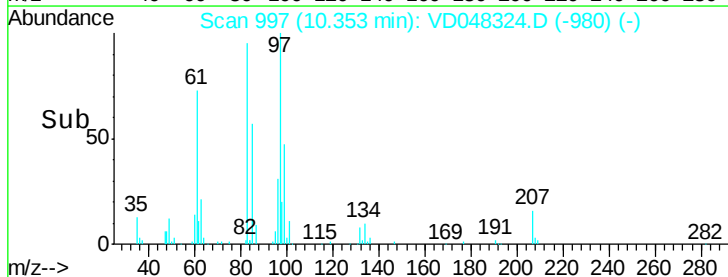
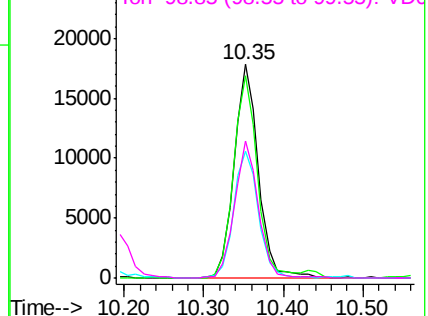


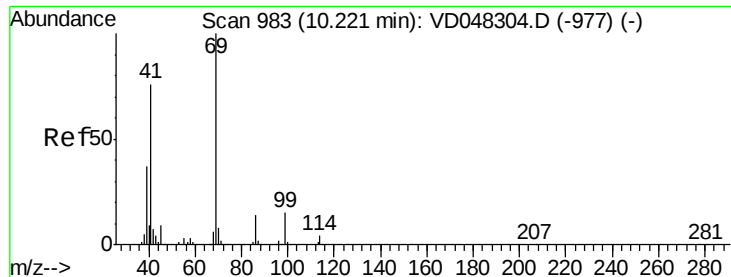
Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC





#55

Ethyl methacrylate

Concen: 22.98 ug/l

RT: 10.20 min Scan# 981

Delta R.T. -0.03 min

Lab File: VD048324.D

Acq: 6 Jan 2016 16:12

Instrument :

BNA_F

ClientSampleId :

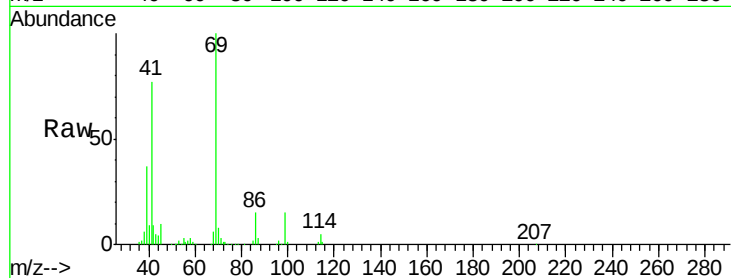
Tot Ion: 69 Resp: 48802

Ion Ratio Lower Upper

69 100

41 76.8 55.3 82.9

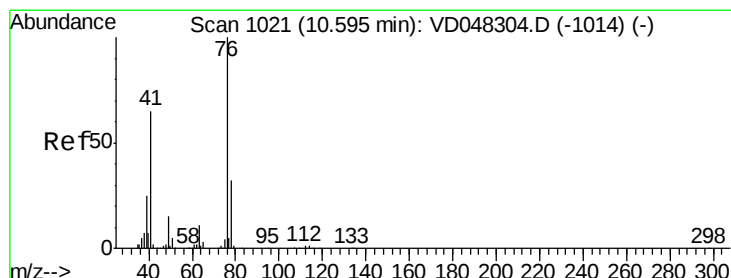
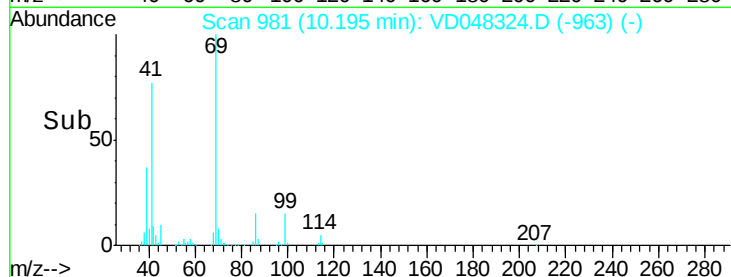
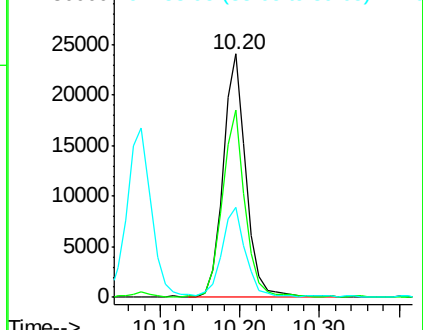
39 36.9 29.4 44.2



Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC



#56

1,3-Dichloropropane

Concen: 22.16 ug/l

RT: 10.57 min Scan# 1019

Delta R.T. -0.03 min

Lab File: VD048324.D

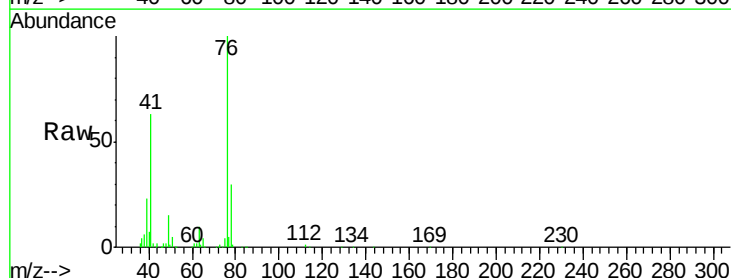
Acq: 6 Jan 2016 16:12

Tgt Ion: 76 Resp: 77805

Ion Ratio Lower Upper

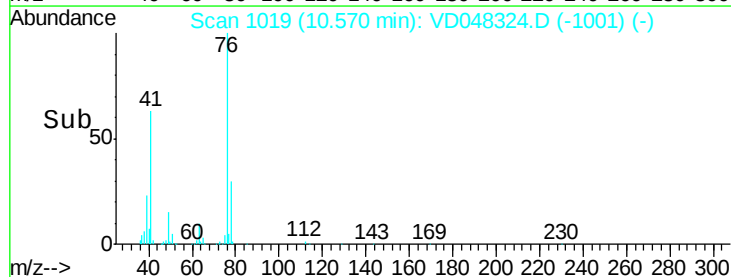
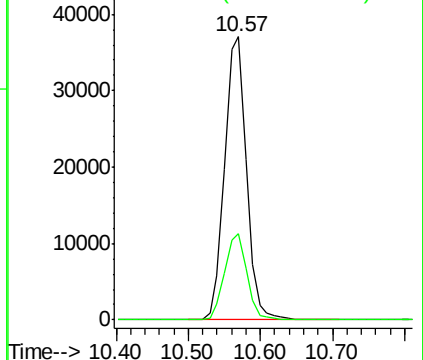
76 100

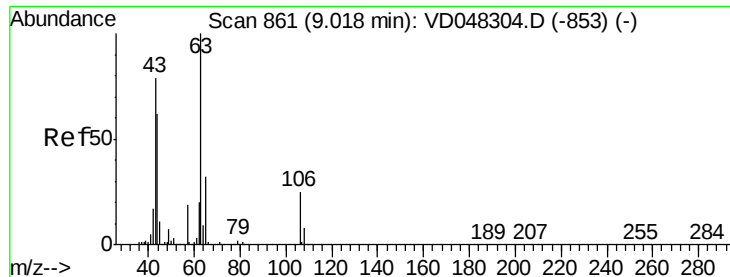
78 30.5 25.8 38.8



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC





#57

2-Chloroethyl Vinyl ether

Concen: 105.03 ug/l

RT: 8.98 min Scan# 858

Delta R.T. -0.03 min

Lab File: VD048324.D

Acq: 6 Jan 2016 16:12

Instrument :

BNA_F

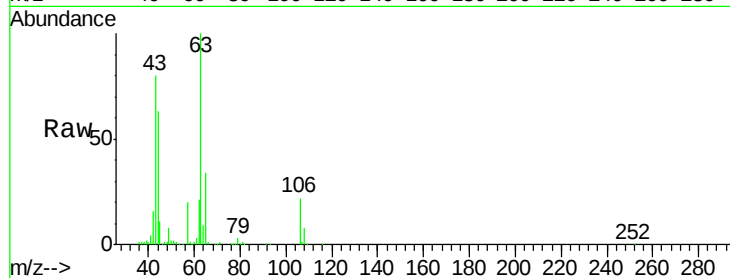
ClientSampleId :

Tot Ion: 63 Resp: 131308

Ion Ratio Lower Upper

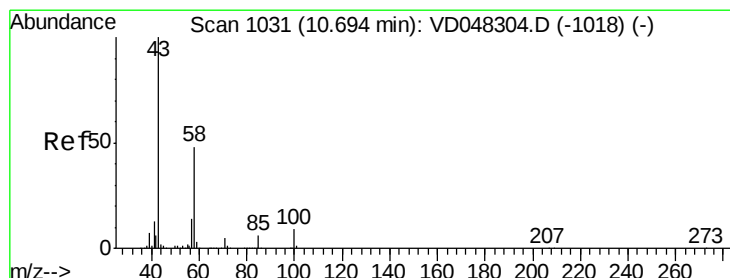
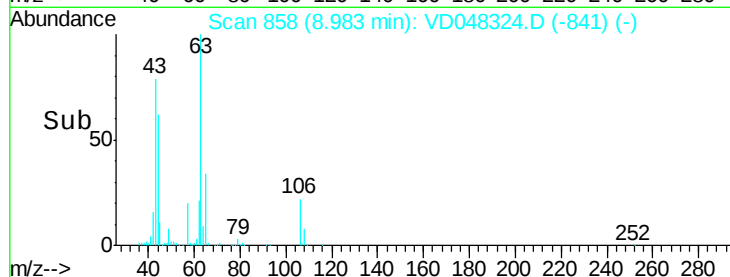
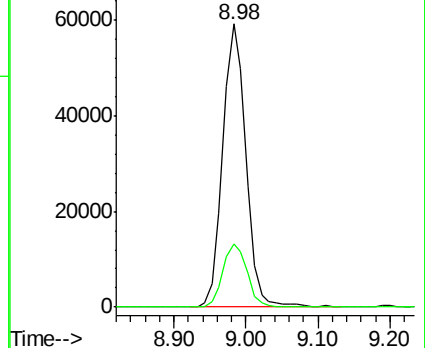
63 100

106 22.2 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: 134.91 ug/l

RT: 10.67 min Scan# 1029

Delta R.T. -0.02 min

Lab File: VD048324.D

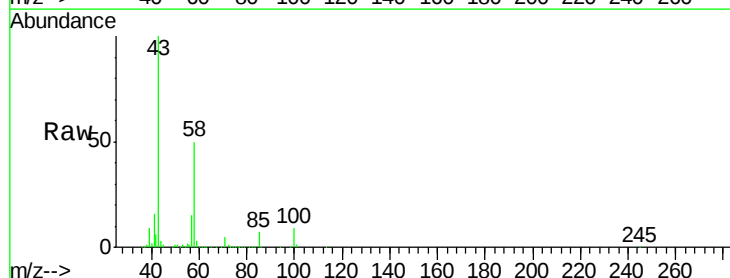
Acq: 6 Jan 2016 16:12

Tgt Ion: 43 Resp: 136633

Ion Ratio Lower Upper

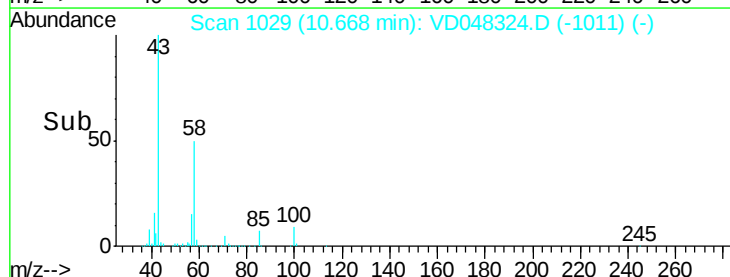
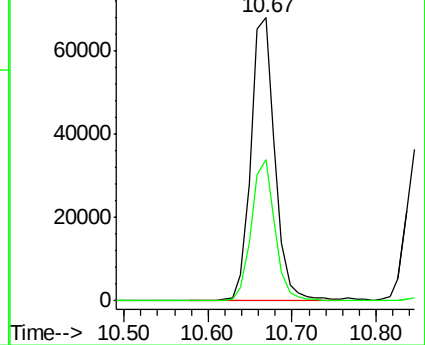
43 100

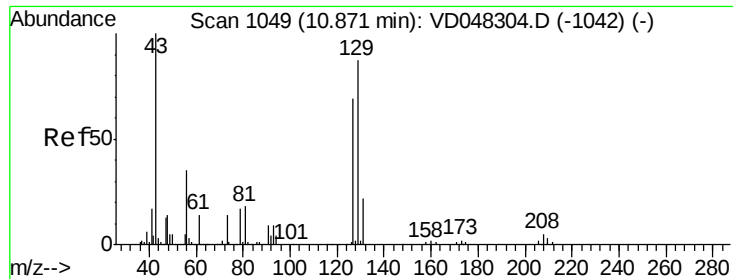
58 49.8 24.4 73.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

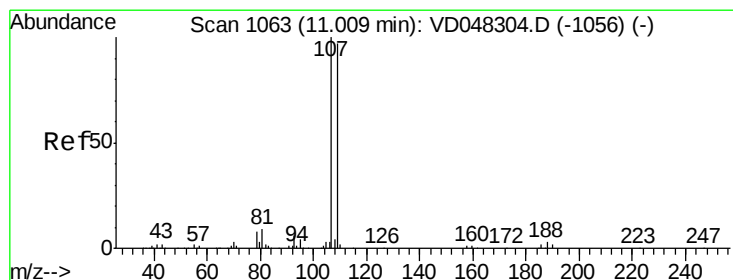
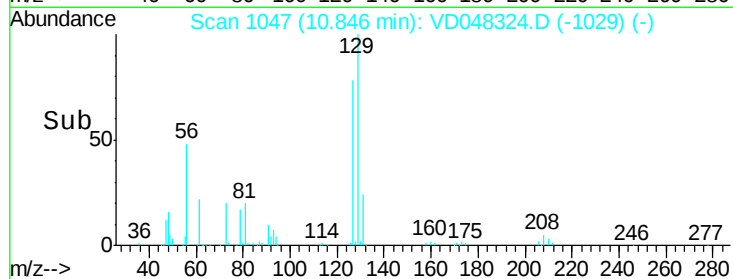
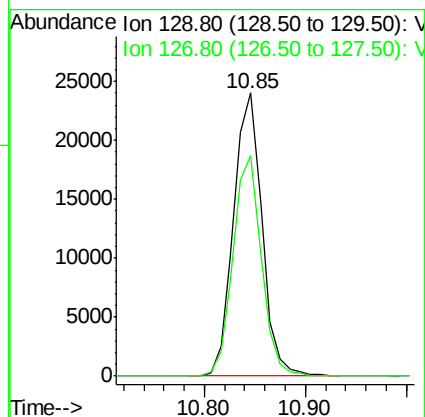
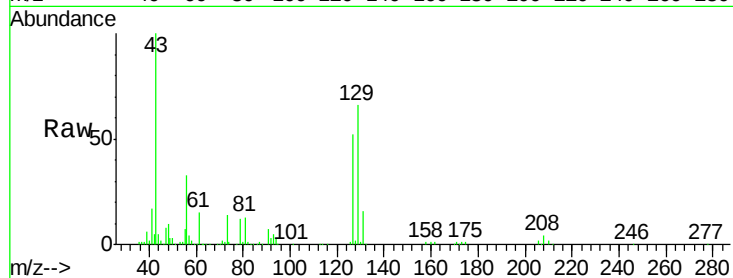




#59
 Dibromochloromethane
 Concen: 20.15 ug/l
 RT: 10.85 min Scan# 1047
 Delta R.T. -0.03 min
 Lab File: VD048324.D
 Acq: 6 Jan 2016 16:12

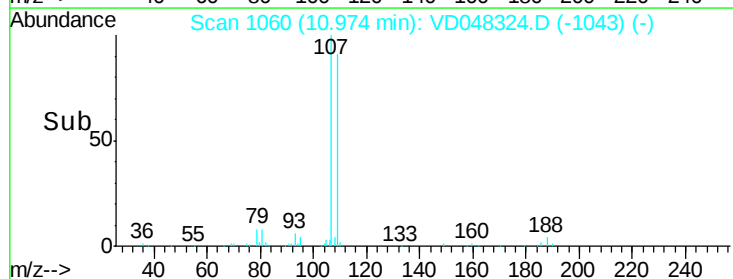
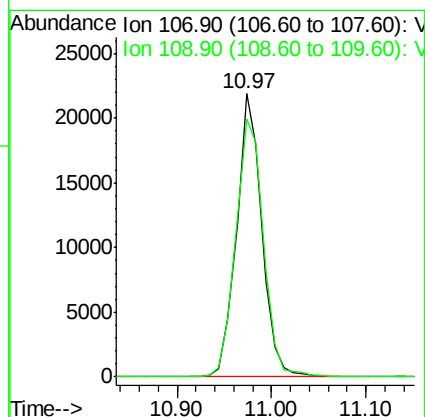
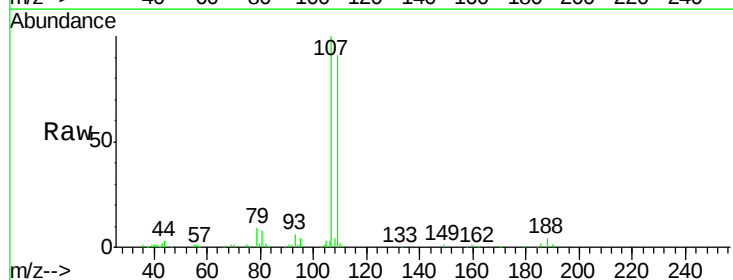
Instrument :
 BNA_F
 ClientSampled :

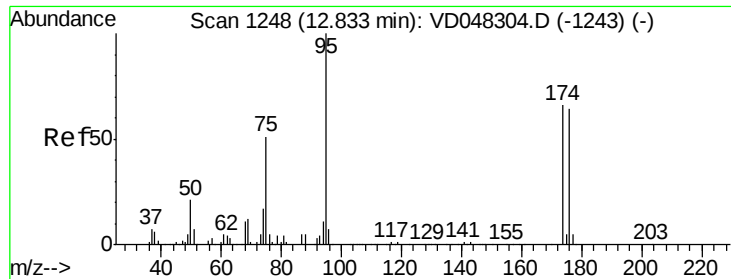
Tot Ion:129 Resp: 47027
 Ion Ratio Lower Upper
 129 100
 127 78.0 37.5 112.7



#60
 1,2-Dibromoethane
 Concen: 21.33 ug/l
 RT: 10.97 min Scan# 1060
 Delta R.T. -0.04 min
 Lab File: VD048324.D
 Acq: 6 Jan 2016 16:12

Tgt Ion:107 Resp: 40270
 Ion Ratio Lower Upper
 107 100
 109 91.1 77.3 115.9

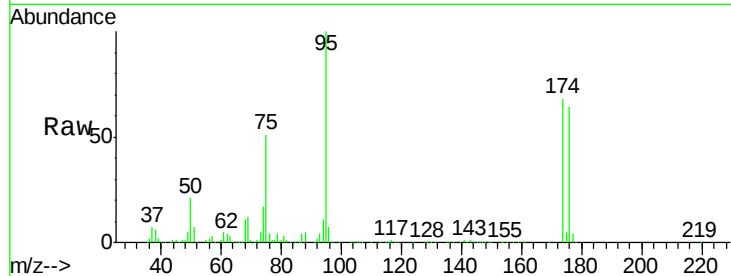




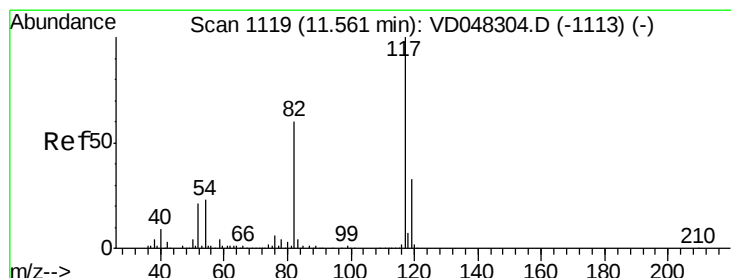
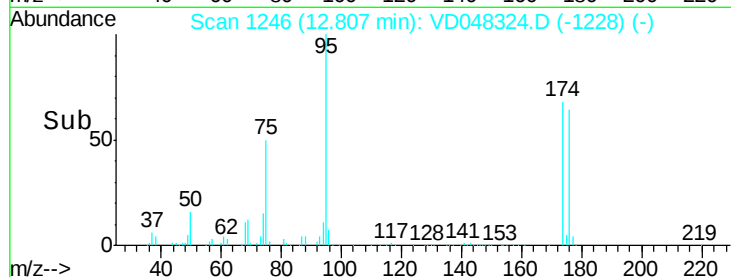
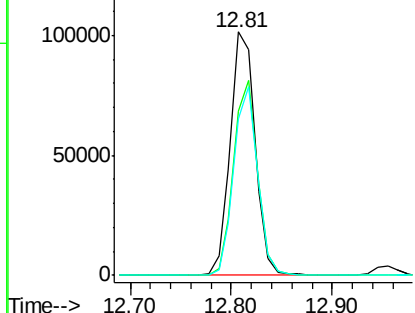
#61
4-Bromofluorobenzene
Concen: 21.33 ug/l
RT: 12.81 min Scan# 1246
Delta R.T. -0.03 min
Lab File: VD048324.D
Acq: 6 Jan 2016 16:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 95 Resp: 173449
Ion Ratio Lower Upper
95 100
174 67.7 0.0 156.2
176 64.3 0.0 147.4

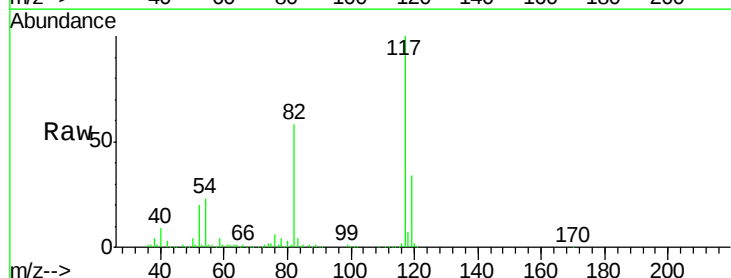


Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

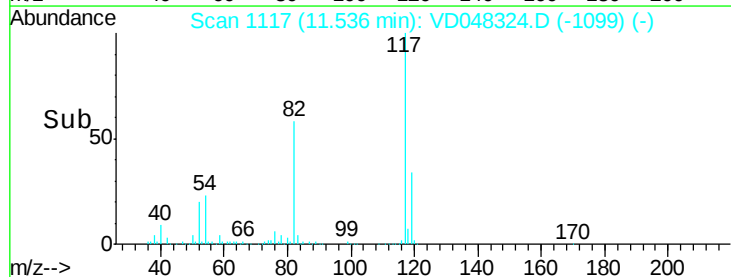
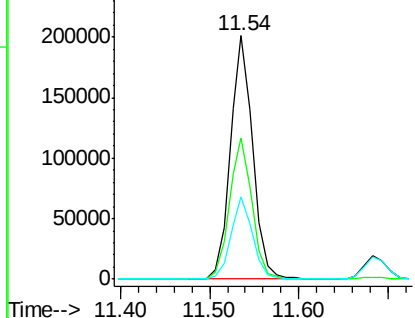


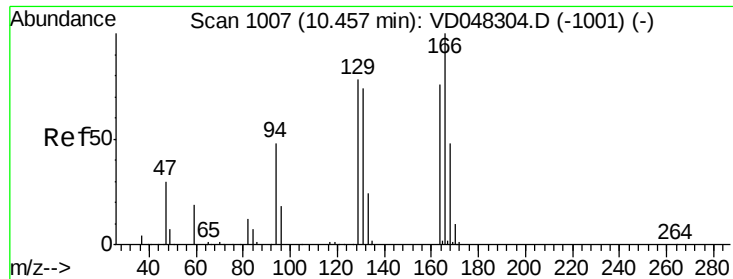
#62
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.54 min Scan# 1117
Delta R.T. -0.03 min
Lab File: VD048324.D
Acq: 6 Jan 2016 16:12

Tgt Ion: 117 Resp: 353380
Ion Ratio Lower Upper
117 100
82 58.0 46.8 70.2
119 33.7 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: 18.36 ug/l

RT: 10.43 min Scan# 1005

Delta R.T. -0.03 min

Lab File: VD048324.D

Acq: 6 Jan 2016 16:12

Instrument :

BNA_F

ClientSampleId :

Tot Ion:164 Resp: 40188

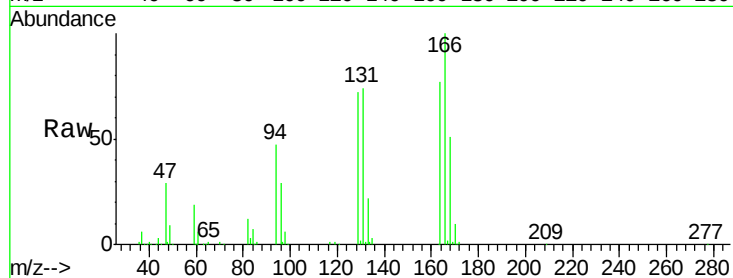
Ion Ratio Lower Upper

164 100

166 129.2 103.9 155.9

129 93.4 78.9 118.3

131 95.1 77.0 115.6

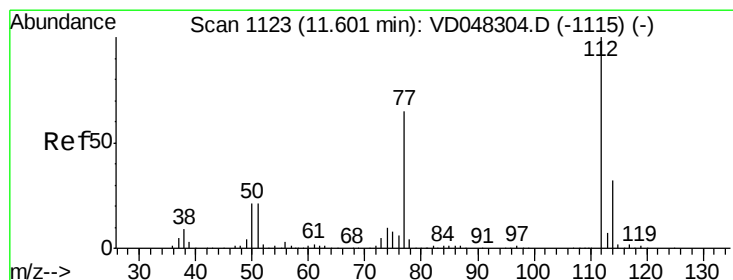
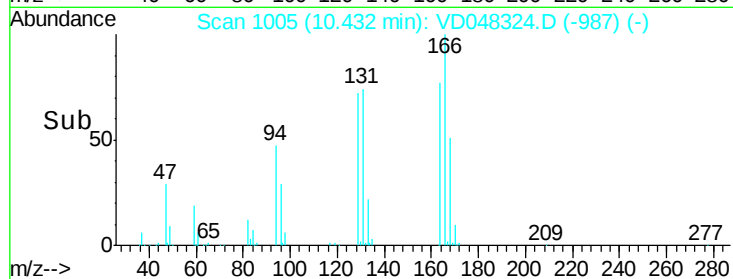
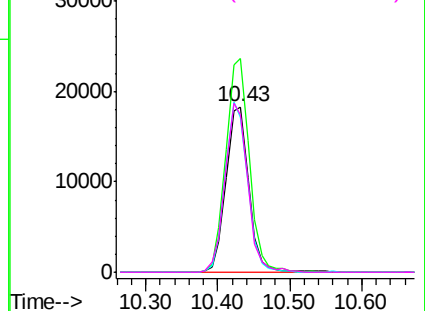


Abundance Ion 163.85 (163.55 to 164.55): V

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: 19.85 ug/l

RT: 11.57 min Scan# 1120

Delta R.T. -0.04 min

Lab File: VD048324.D

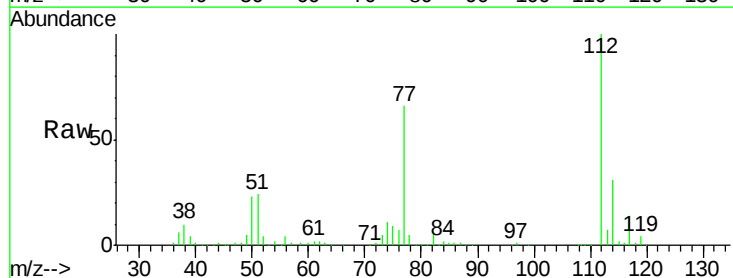
Acq: 6 Jan 2016 16:12

Tgt Ion:112 Resp: 139816

Ion Ratio Lower Upper

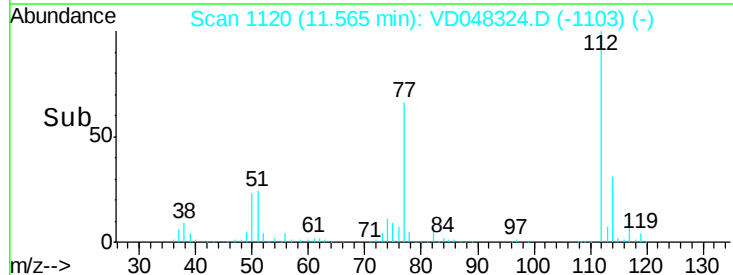
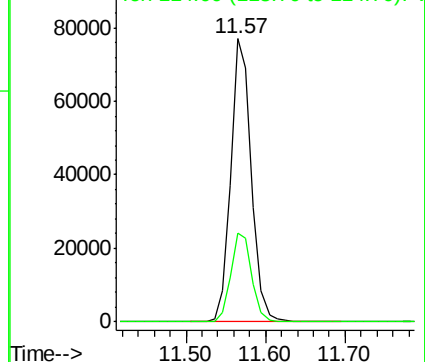
112 100

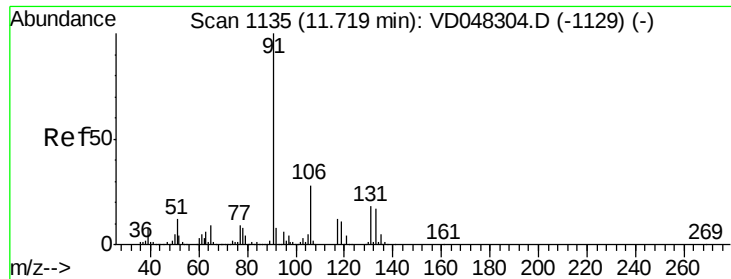
114 31.2 26.1 39.1



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V

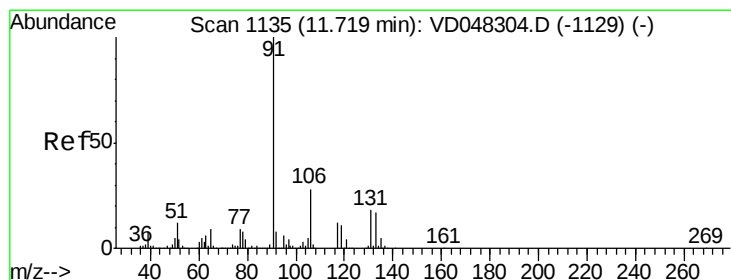
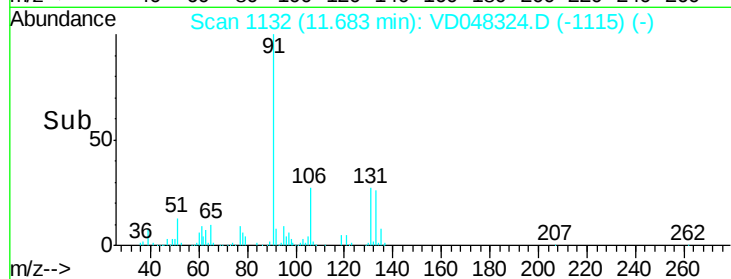
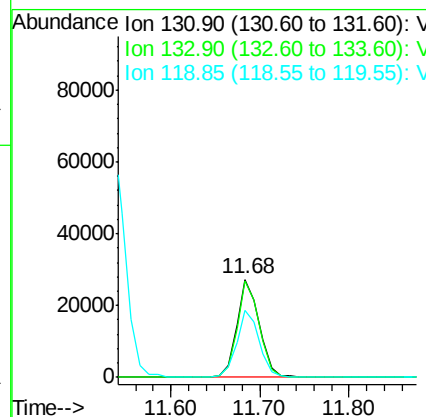
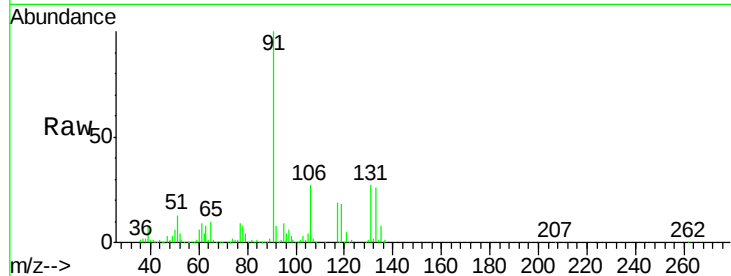




#65
 1,1,1,2-Tetrachloroethane
 Concen: 19.29 ug/l
 RT: 11.68 min Scan# 1132
 Delta R.T. -0.04 min
 Lab File: VD048324.D
 Acq: 6 Jan 2016 16:12

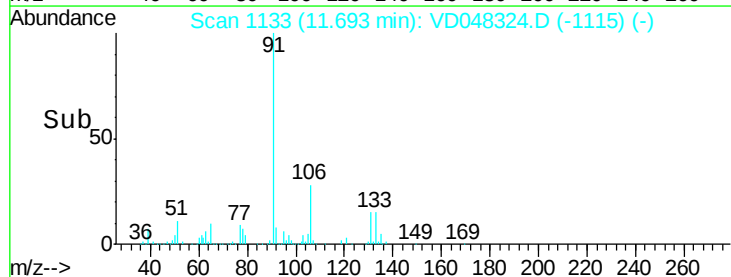
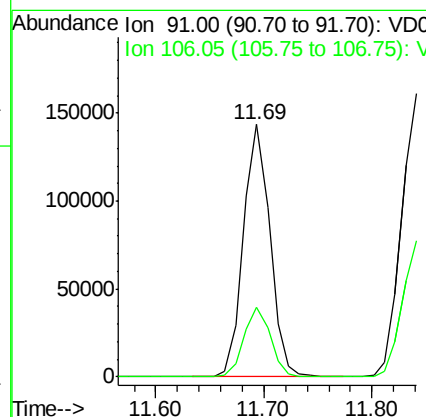
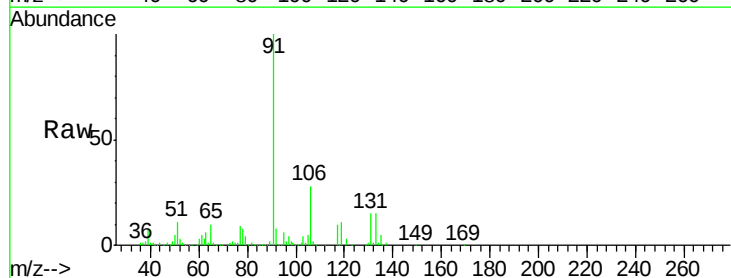
Instrument :
 BNA_F
 ClientSampleId :

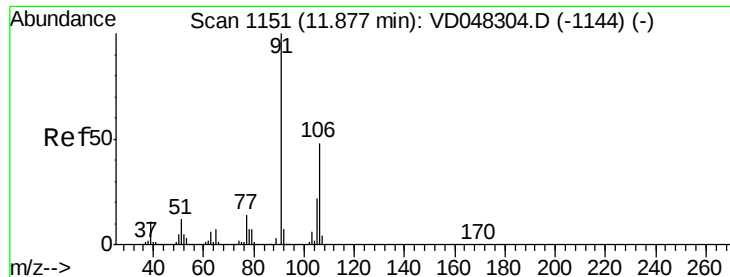
Tot Ion:131 Resp: 48457
 Ion Ratio Lower Upper
 131 100
 133 97.8 47.5 142.6
 119 68.2 32.9 98.7



#66
 Ethyl Benzene
 Concen: 19.74 ug/l
 RT: 11.69 min Scan# 1133
 Delta R.T. -0.03 min
 Lab File: VD048324.D
 Acq: 6 Jan 2016 16:12

Tgt Ion: 91 Resp: 245943
 Ion Ratio Lower Upper
 91 100
 106 27.6 23.8 35.6





#67

m/p-Xylenes

Concen: 39.68 ug/l

RT: 11.84 min Scan# 1148

Delta R.T. -0.04 min

Lab File: VD048324.D

Acq: 6 Jan 2016 16:12

Instrument :

BNA_F

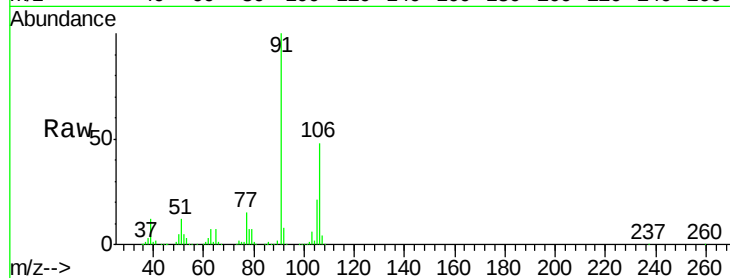
ClientSampleId :

Tot Ion:106 Resp: 175151

Ion Ratio Lower Upper

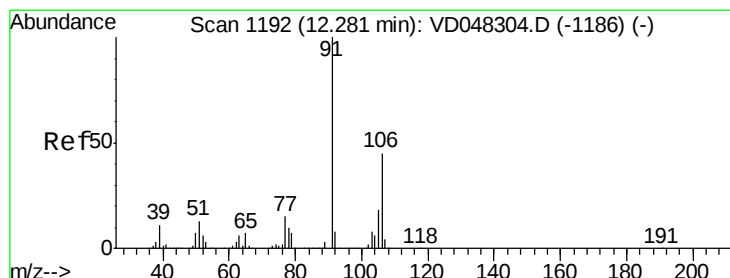
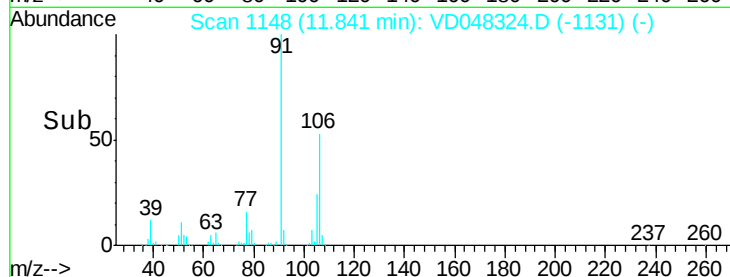
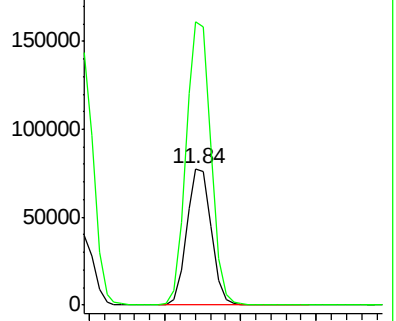
106 100

91 207.2 162.0 243.0



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): VDC



#68

o-Xylene

Concen: 19.56 ug/l

RT: 12.26 min Scan# 1190

Delta R.T. -0.03 min

Lab File: VD048324.D

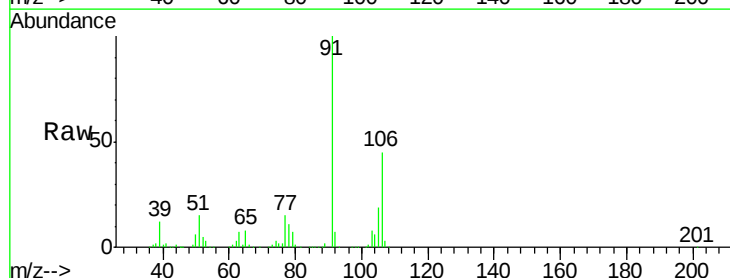
Acq: 6 Jan 2016 16:12

Tgt Ion:106 Resp: 83060

Ion Ratio Lower Upper

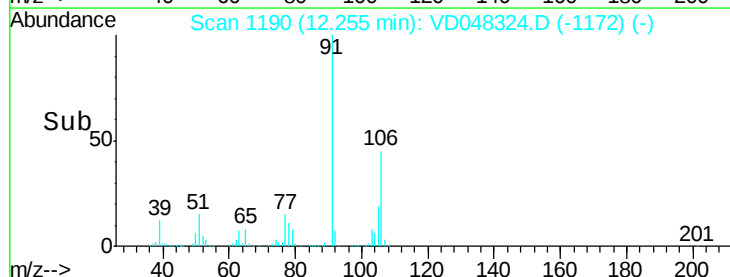
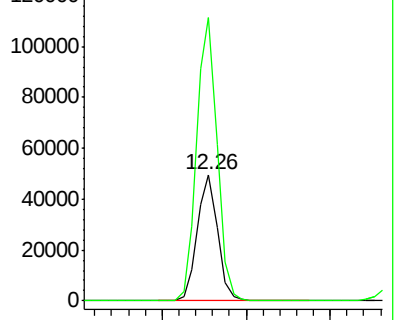
106 100

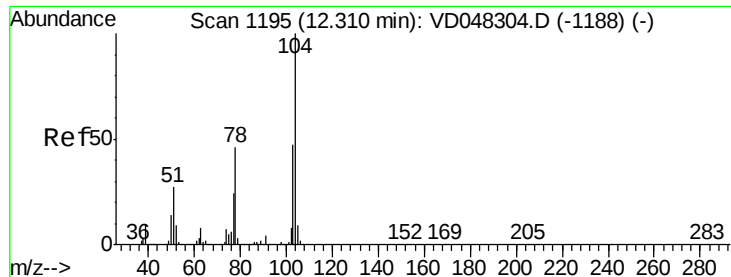
91 224.1 111.8 335.3



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): VDC

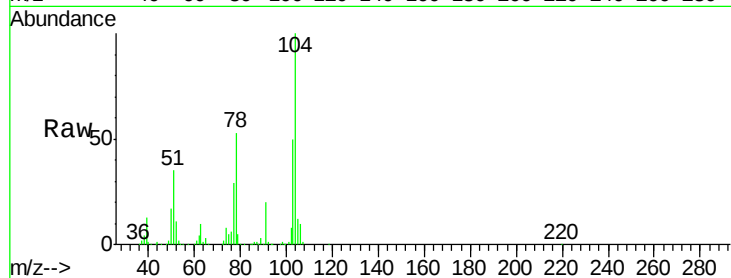




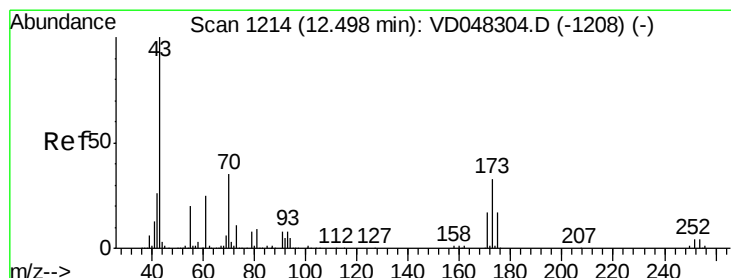
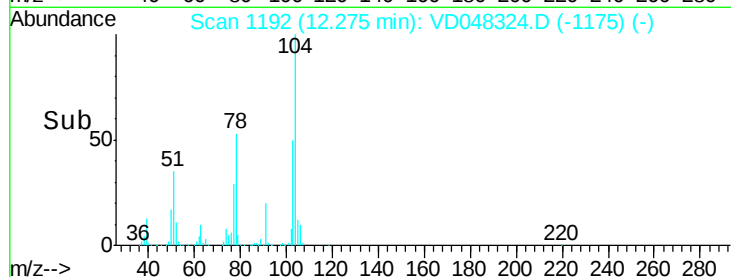
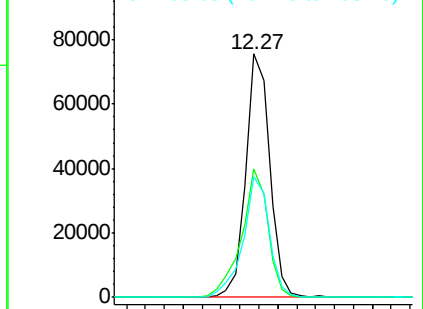
#69
Stvrene
Concen: 19.59 ug/l
RT: 12.27 min Scan# 1192
Delta R.T. -0.04 min
Lab File: VD048324.D
Acq: 6 Jan 2016 16:12

Instrument :
BNA_F
ClientSampled :

Tot Ion:104 Resp: 133078
Ion Ratio Lower Upper
104 100
78 52.6 37.5 56.3
103 49.8 37.3 55.9

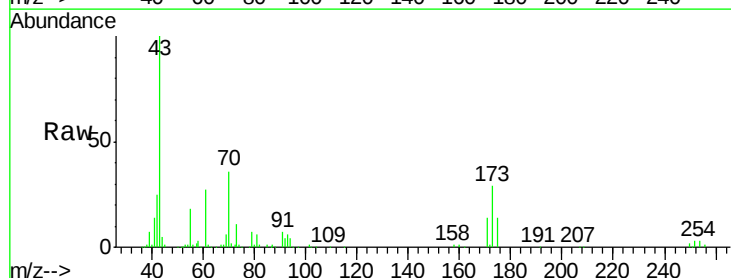


Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V

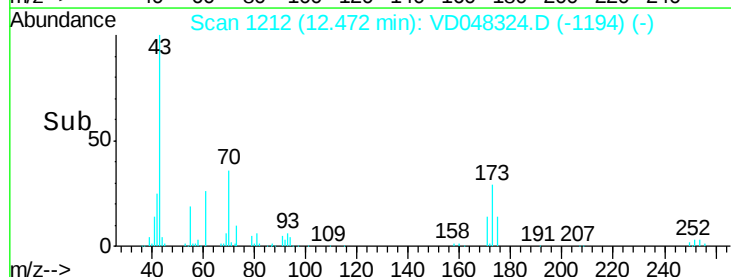
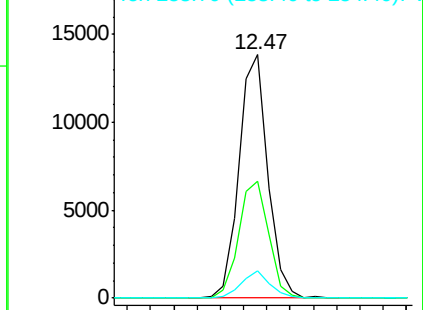


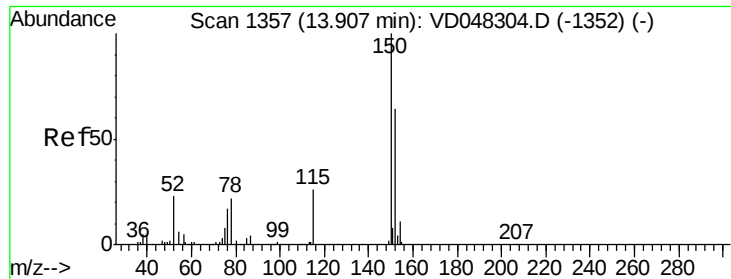
#70
Bromoform
Concen: 19.18 ug/l
RT: 12.47 min Scan# 1212
Delta R.T. -0.03 min
Lab File: VD048324.D
Acq: 6 Jan 2016 16:12

Tgt Ion:173 Resp: 23615
Ion Ratio Lower Upper
173 100
175 48.2 26.0 78.0
254 11.5 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

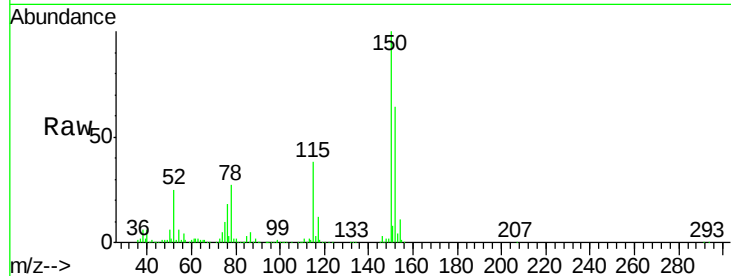




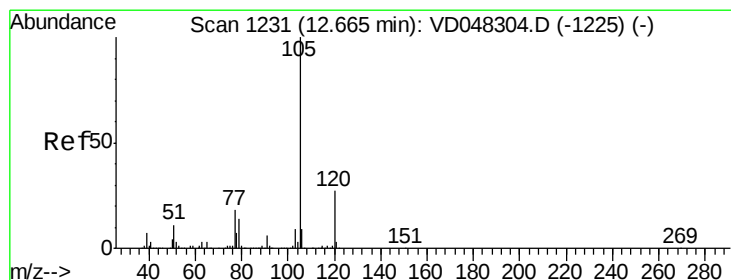
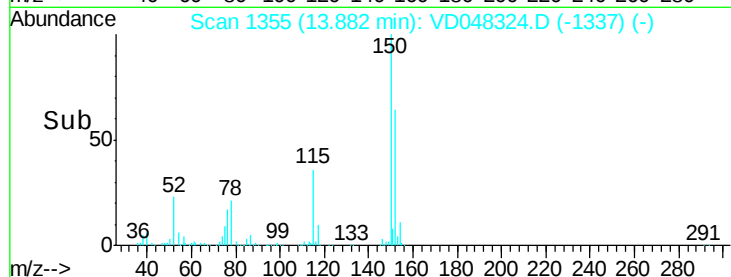
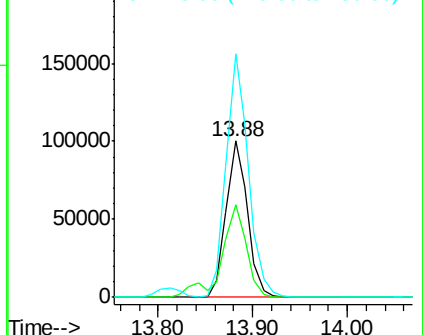
#71
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.88 min Scan# 1355
 Delta R.T. -0.03 min
 Lab File: VD048324.D
 Acq: 6 Jan 2016 16:12

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	58.9	32.4	97.2
150	155.6	0.0	314.6

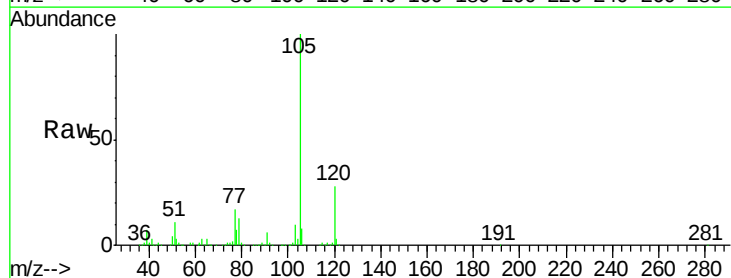


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 115.00 (114.70 to 115.70): V
 Ion 149.90 (149.60 to 150.60): V

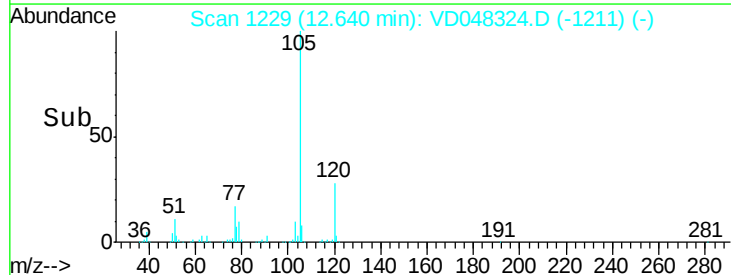
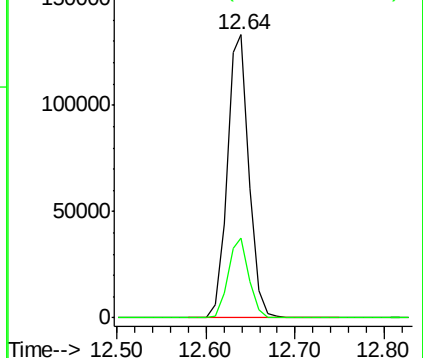


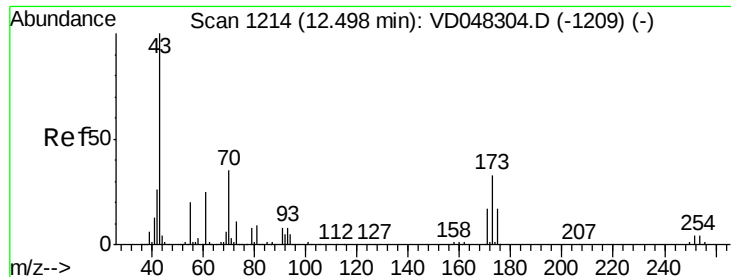
#72
 Isopropylbenzene
 Concen: 19.11 ug/l
 RT: 12.64 min Scan# 1229
 Delta R.T. -0.03 min
 Lab File: VD048324.D
 Acq: 6 Jan 2016 16:12

Tgt Ion	Ratio	Lower	Upper
105	100		
120	28.1	13.1	39.3



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





#73

N-amvl acetate

Concen: 22.48 ug/l

RT: 12.47 min Scan# 1212

Delta R.T. -0.03 min

Lab File: VD048324.D

Acq: 6 Jan 2016 16:12

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 43 Resp: 75816

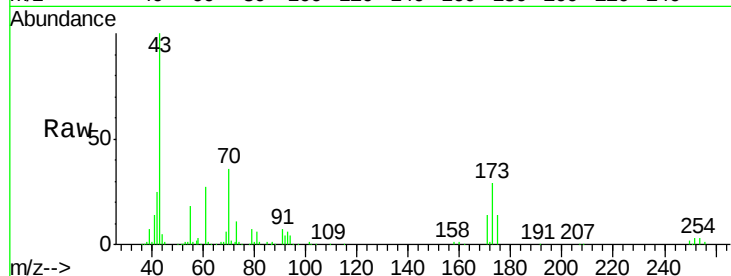
Ion Ratio Lower Upper

43 100

70 36.2 27.2 40.8

55 18.5 15.4 23.0

61 27.0 19.9 29.9

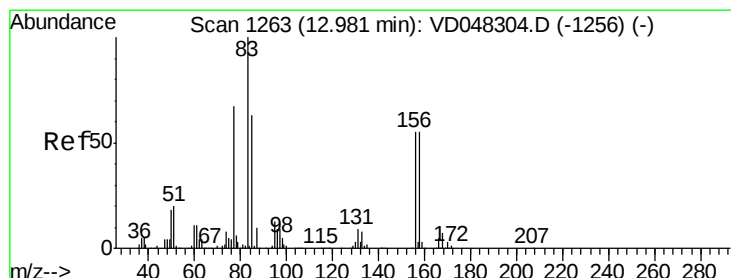
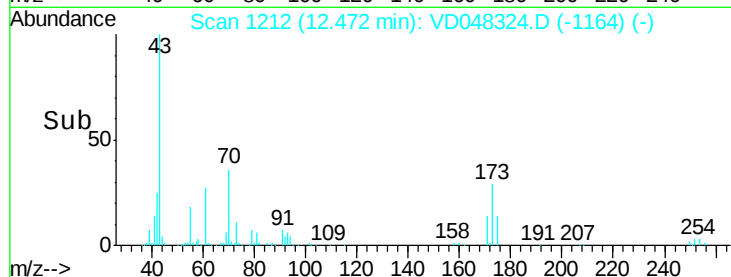
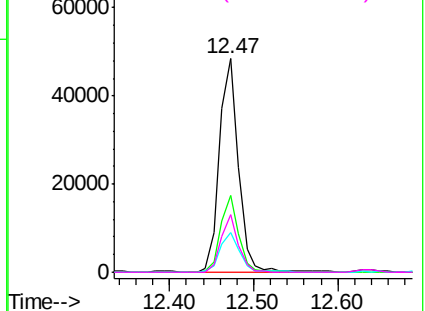


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC



#74

1,1,2,2-Tetrachloroethane

Concen: 22.04 ug/l

RT: 12.96 min Scan# 1261

Delta R.T. -0.03 min

Lab File: VD048324.D

Acq: 6 Jan 2016 16:12

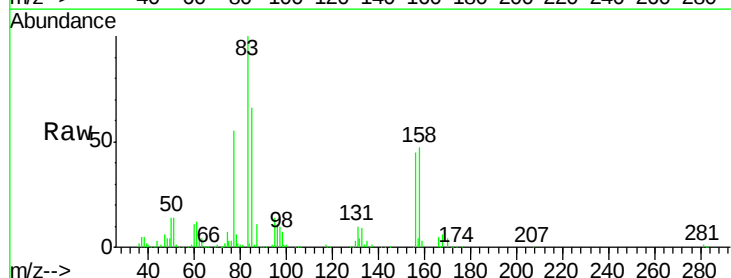
Tgt Ion: 83 Resp: 48928

Ion Ratio Lower Upper

83 100

131 10.1 4.3 13.1

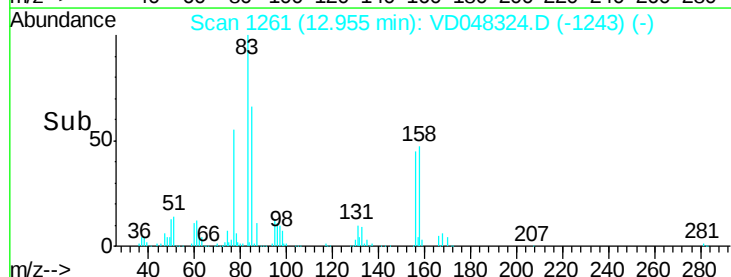
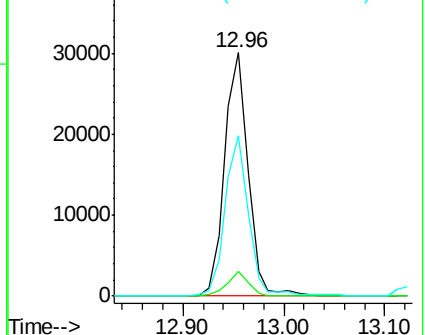
85 66.1 31.1 93.2

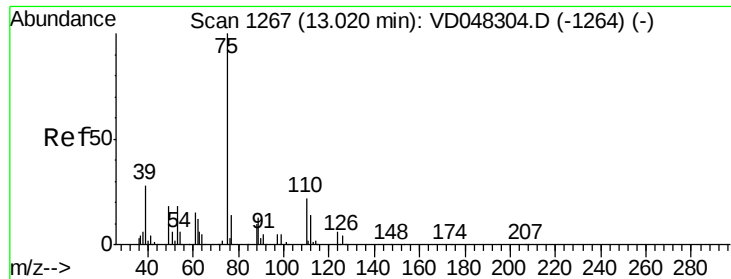


Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): V

Ion 84.95 (84.65 to 85.65): VDC





#75

1,2,3-Trichloropropane

Concen: 21.73 ug/l

RT: 12.99 min Scan# 1265

Delta R.T. -0.03 min

Lab File: VD048324.D

Acq: 6 Jan 2016 16:12

Instrument :

BNA_F

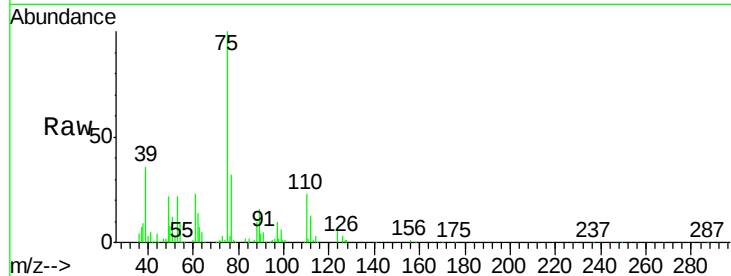
ClientSampleId :

Tot Ion: 75 Resp: 53993

Ion Ratio Lower Upper

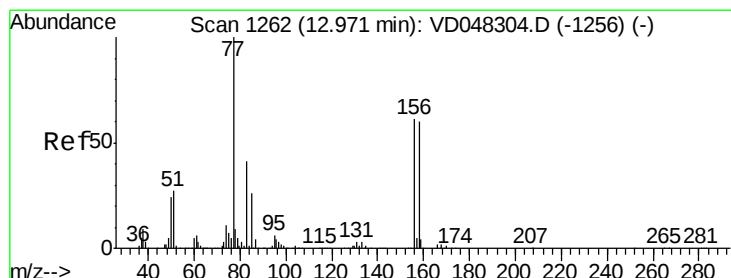
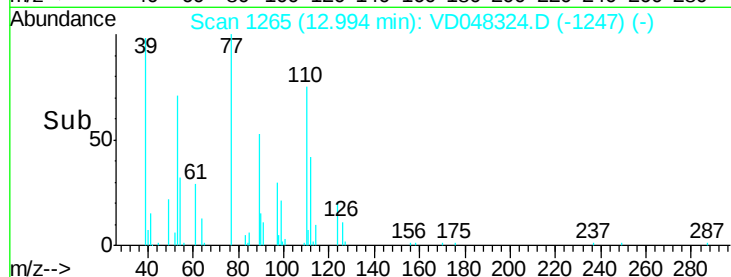
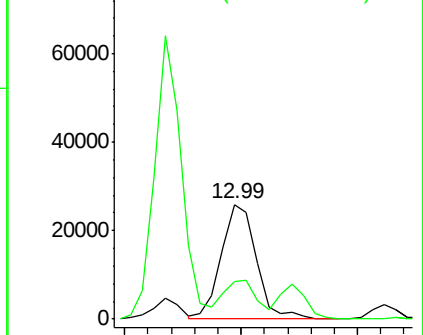
75 100

77 32.4 15.8 47.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#76

Bromobenzene

Concen: 20.04 ug/l

RT: 12.95 min Scan# 1260

Delta R.T. -0.03 min

Lab File: VD048324.D

Acq: 6 Jan 2016 16:12

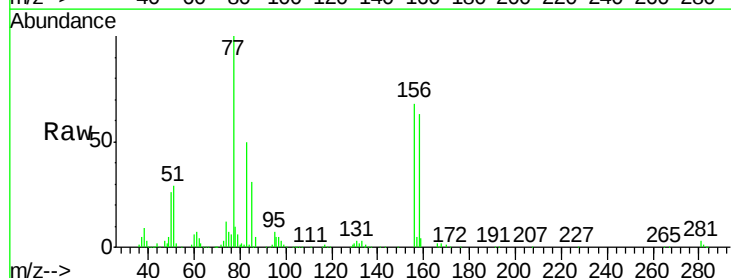
Tgt Ion: 156 Resp: 55995

Ion Ratio Lower Upper

156 100

77 147.6 87.5 262.4

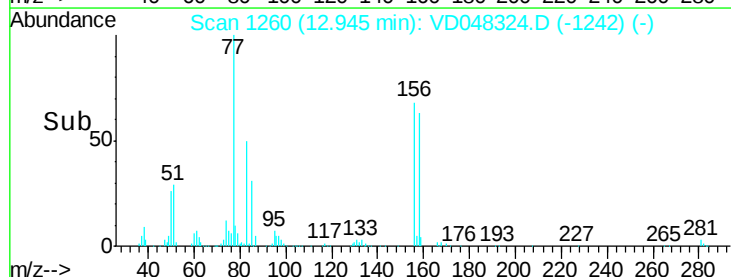
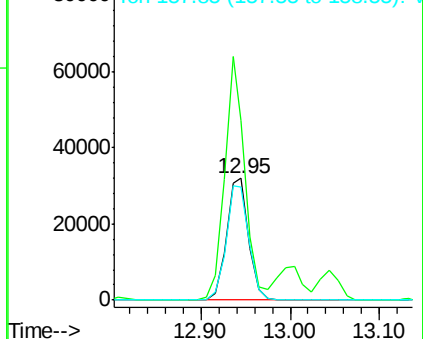
158 93.1 49.5 148.5

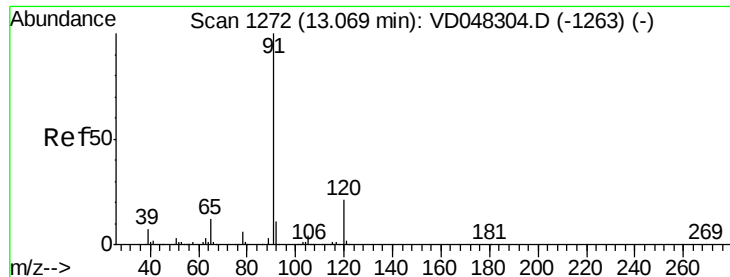


Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V





#77

n-propylbenzene

Concen: 18.77 ug/l

RT: 13.04 min Scan# 1270

Delta R.T. -0.03 min

Lab File: VD048324.D

Acq: 6 Jan 2016 16:12

Instrument :

BNA_F

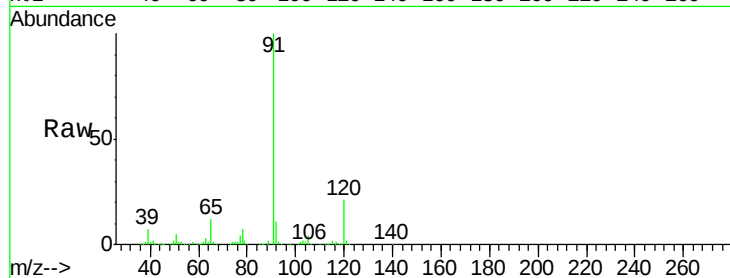
ClientSampleId :

Tot Ion: 91 Resp: 289312

Ion Ratio Lower Upper

91 100

120 21.4 10.4 31.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): VDC

13.04

200000

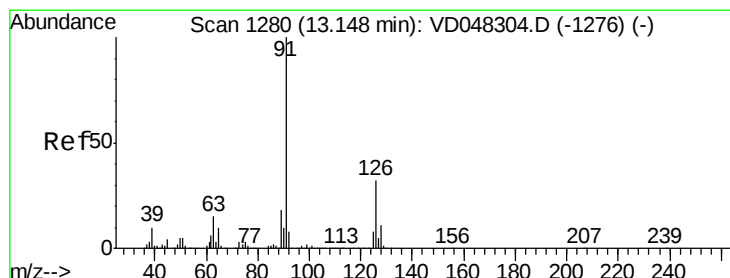
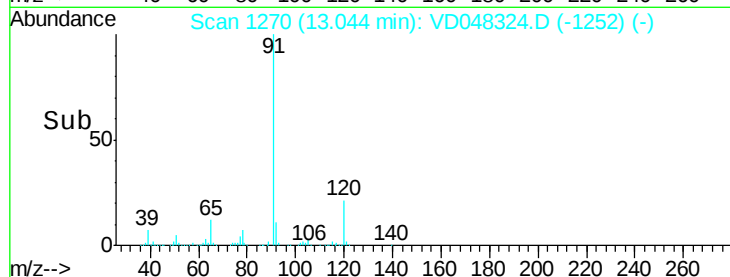
150000

100000

50000

0

Time-->



#78

2-Chlorotoluene

Concen: 18.92 ug/l

RT: 13.12 min Scan# 1278

Delta R.T. -0.03 min

Lab File: VD048324.D

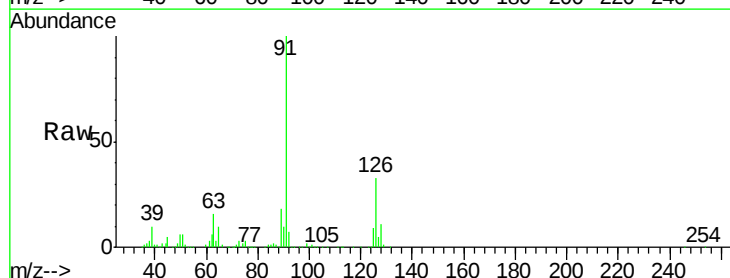
Acq: 6 Jan 2016 16:12

Tgt Ion: 91 Resp: 163115

Ion Ratio Lower Upper

91 100

126 32.7 15.3 45.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): VDC

13.12

200000

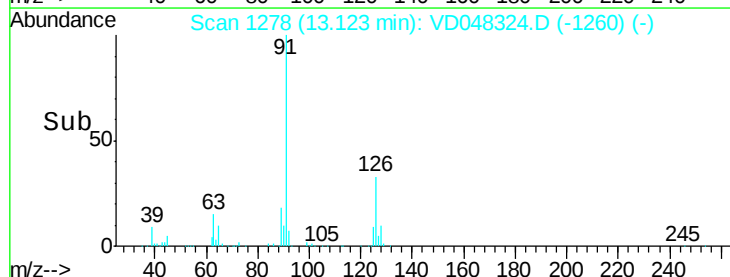
150000

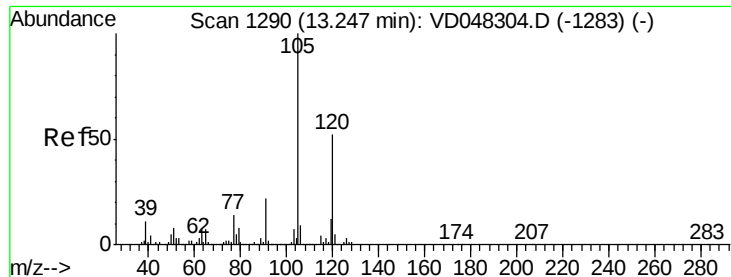
100000

50000

0

Time-->





#79

1,3,5-Trimethylbenzene

Concen: 19.08 ug/l

RT: 13.22 min Scan# 1288

Delta R.T. -0.03 min

Lab File: VD048324.D

Acq: 6 Jan 2016 16:12

Instrument :

BNA_F

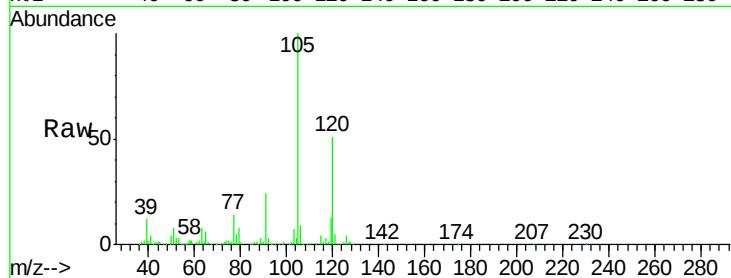
ClientSampleId :

Tot Ion:105 Resp: 177587

Ion Ratio Lower Upper

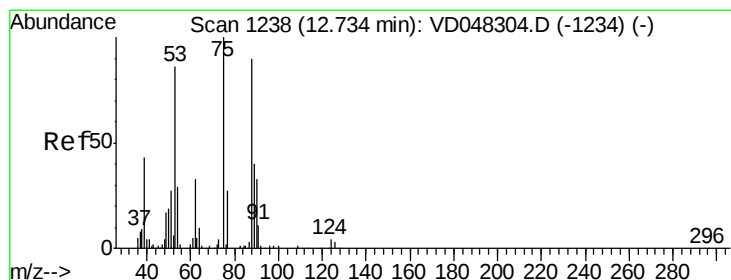
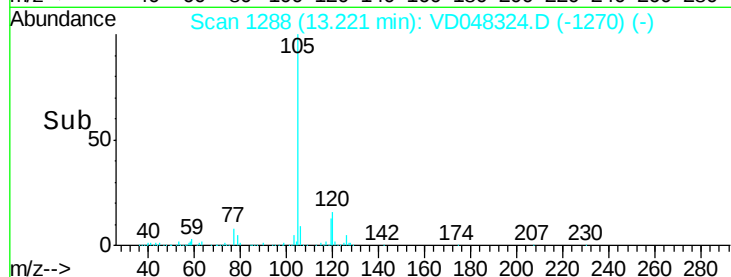
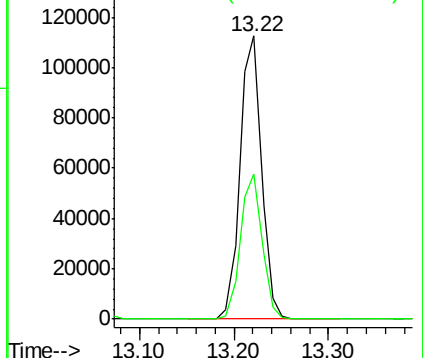
105 100

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: 19.41 ug/l

RT: 12.71 min Scan# 1236

Delta R.T. -0.03 min

Lab File: VD048324.D

Acq: 6 Jan 2016 16:12

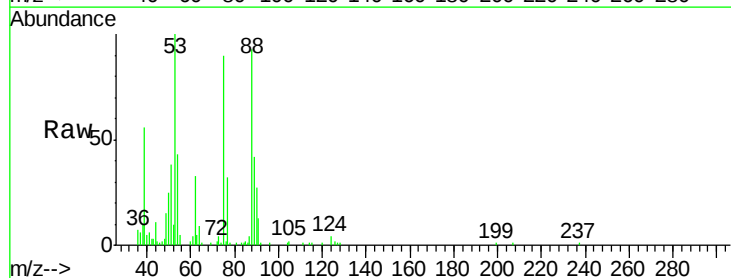
Tgt Ion: 75 Resp: 12705

Ion Ratio Lower Upper

75 100

53 111.5 77.8 116.8

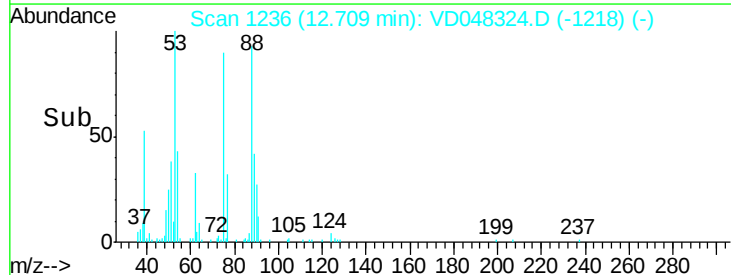
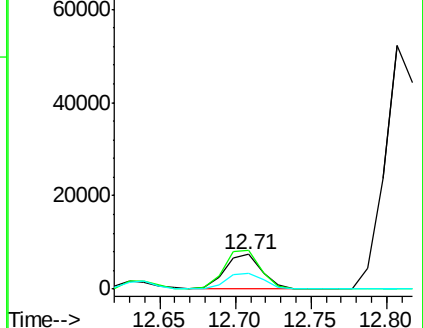
89 46.7 32.6 49.0

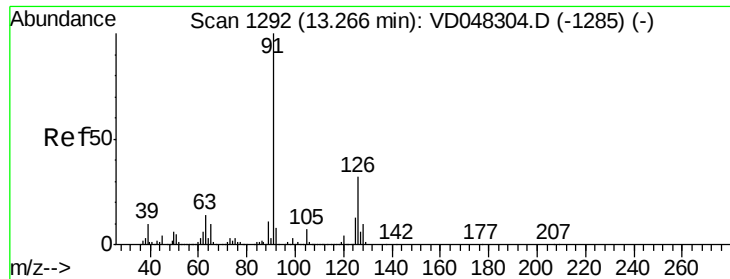


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC

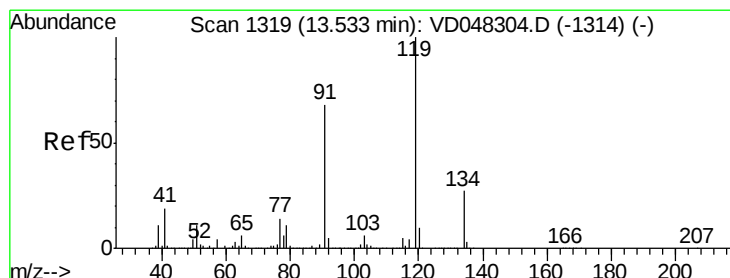
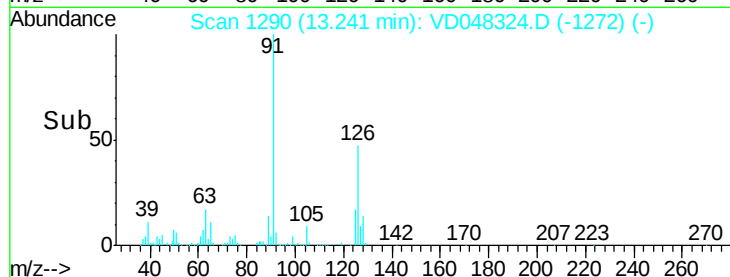
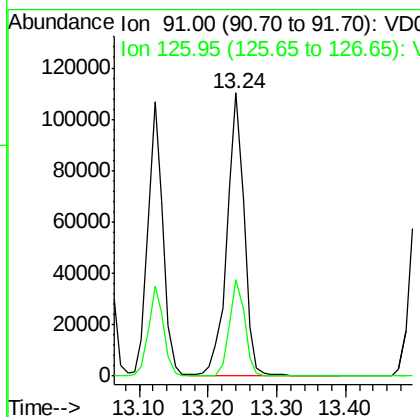
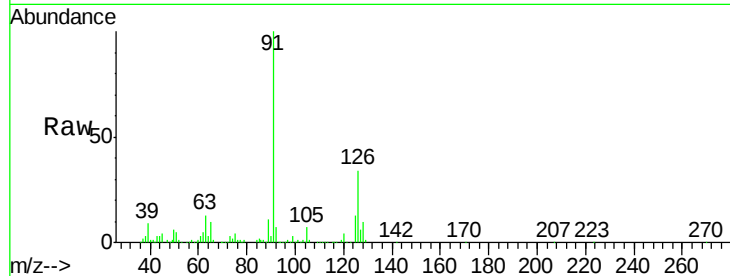




#81
4-Chlorotoluene
Concen: 19.01 ug/l
RT: 13.24 min Scan# 1290
Delta R.T. -0.03 min
Lab File: VD048324.D
Acq: 6 Jan 2016 16:12

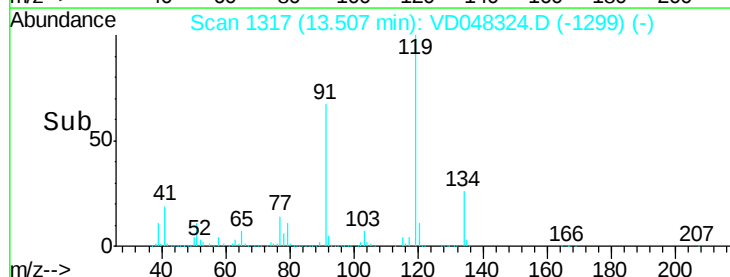
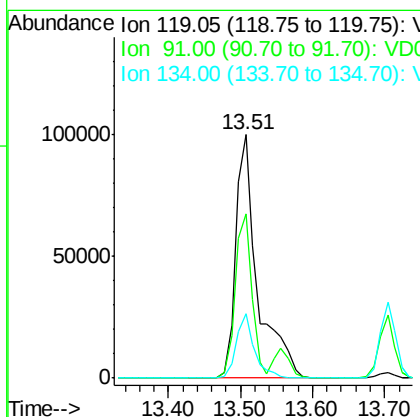
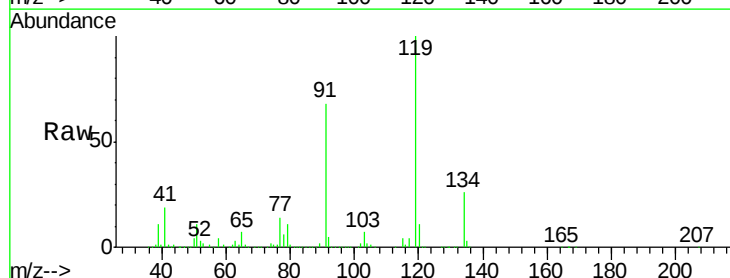
Instrument :
BNA_F
ClientSampleId :

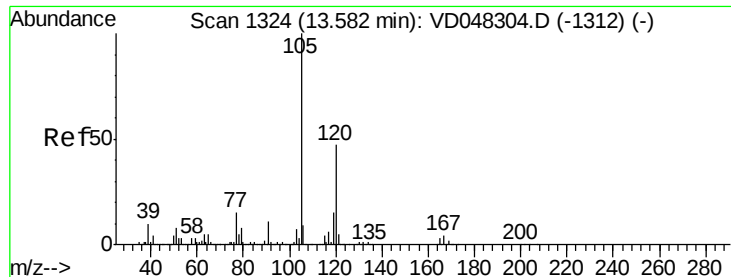
Tot Ion: 91 Resp: 189327
Ion Ratio Lower Upper
91 100
126 34.2 15.4 46.1



#82
tert-Butylbenzene
Concen: 23.31 ug/l
RT: 13.51 min Scan# 1317
Delta R.T. -0.03 min
Lab File: VD048324.D
Acq: 6 Jan 2016 16:12

Tgt Ion: 119 Resp: 210236
Ion Ratio Lower Upper
119 100
91 67.5 33.2 99.6
134 26.3 12.5 37.5

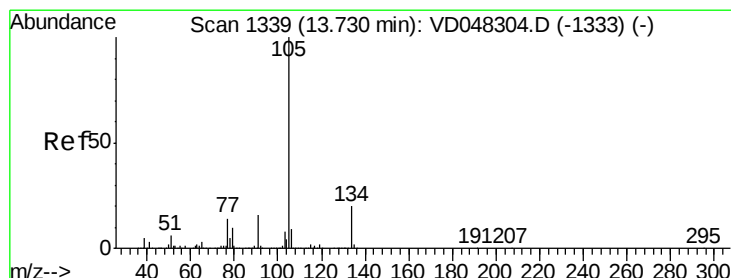
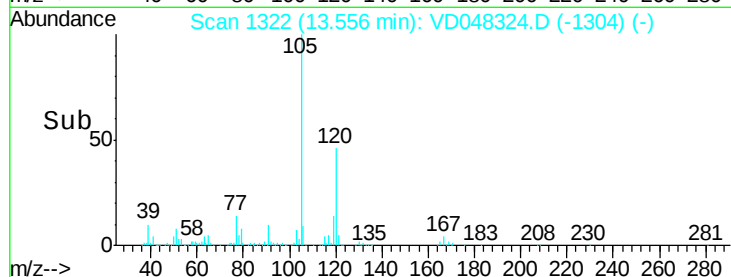
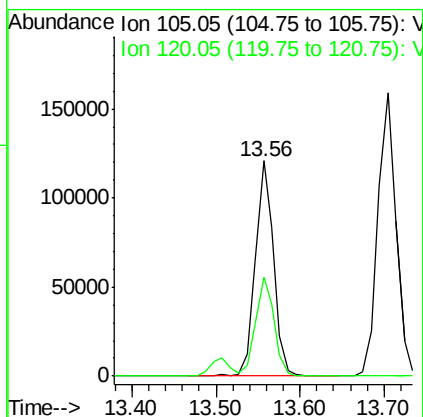
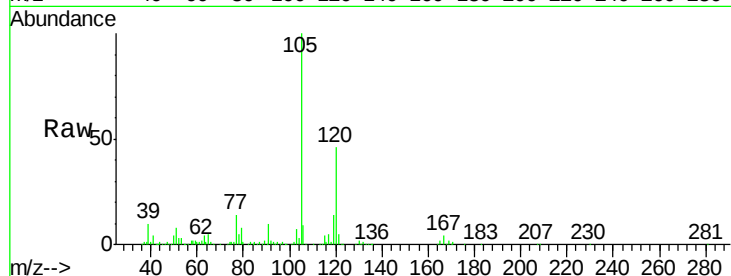




#83
 1,2,4-Trimethylbenzene
 Concen: 19.24 ug/l
 RT: 13.56 min Scan# 1322
 Delta R.T. -0.03 min
 Lab File: VD048324.D
 Acq: 6 Jan 2016 16:12

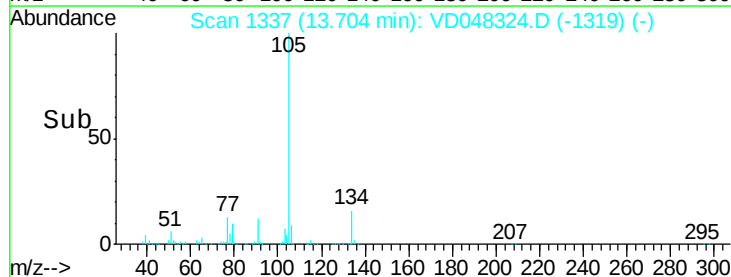
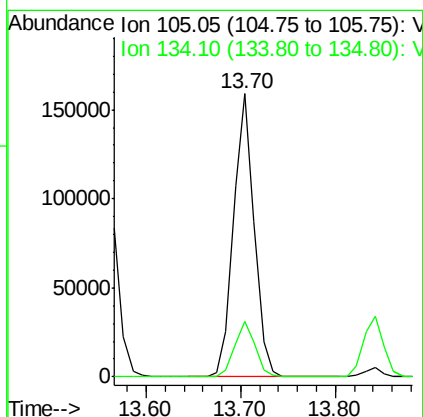
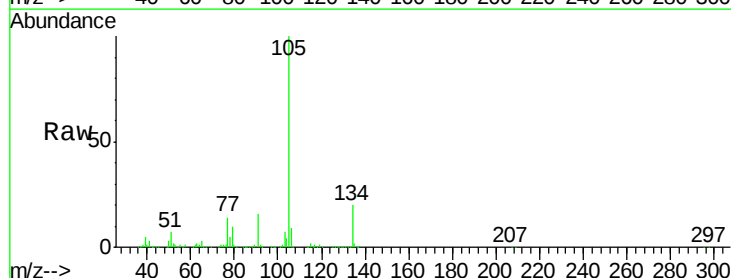
Instrument :
 BNA_F
 ClientSampleId :

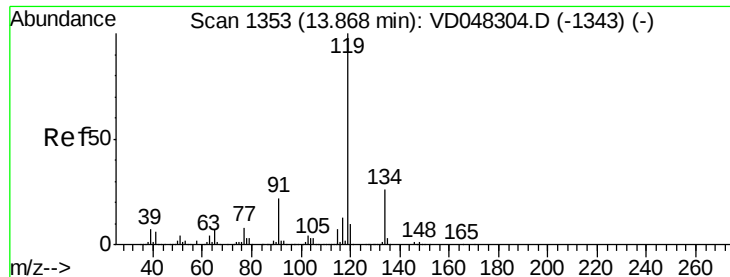
Tot Ion:105 Resp: 184425
 Ion Ratio Lower Upper
 105 100
 120 46.1 22.6 67.7



#84
 sec-Butylbenzene
 Concen: 18.67 ug/l
 RT: 13.70 min Scan# 1337
 Delta R.T. -0.03 min
 Lab File: VD048324.D
 Acq: 6 Jan 2016 16:12

Tgt Ion:105 Resp: 238940
 Ion Ratio Lower Upper
 105 100
 134 19.6 9.4 28.2

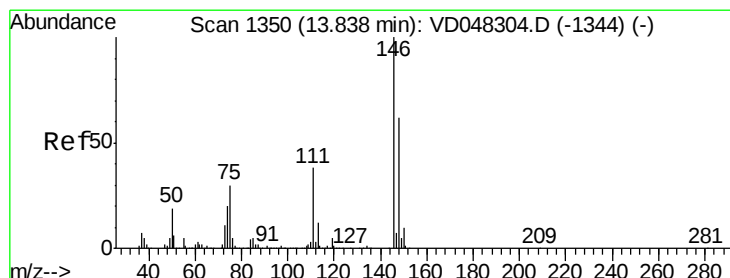
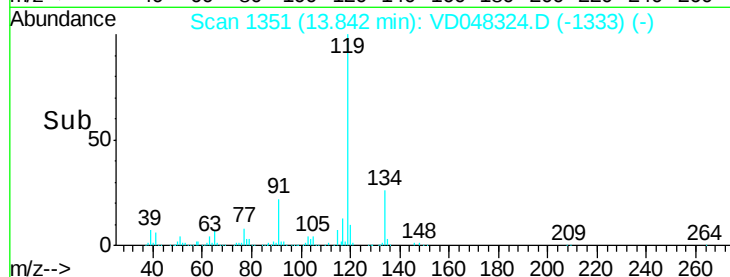
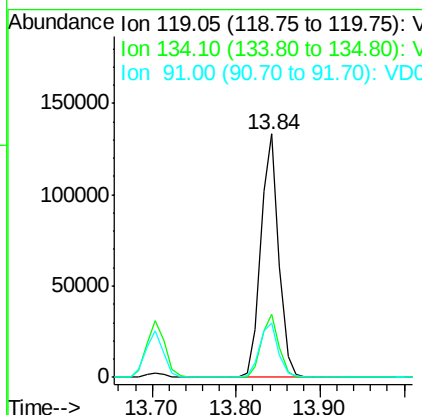
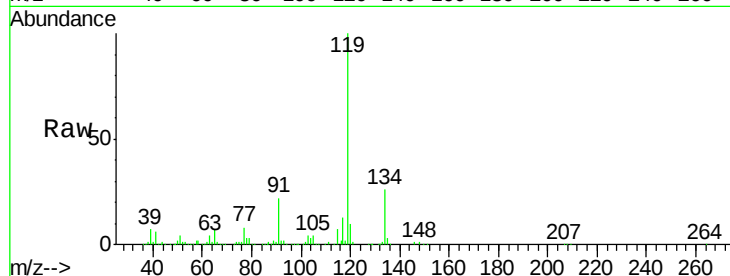




#85
 p-Isopropyltoluene
 Concen: 18.84 ug/l
 RT: 13.84 min Scan# 1351
 Delta R.T. -0.03 min
 Lab File: VD048324.D
 Acq: 6 Jan 2016 16:12

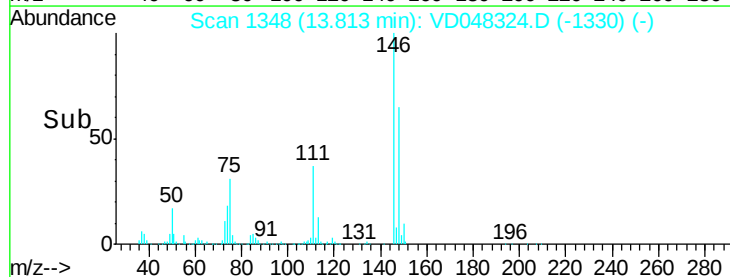
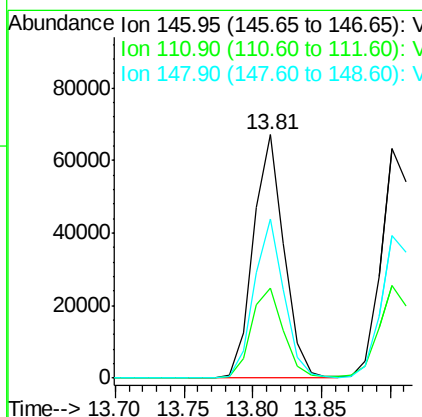
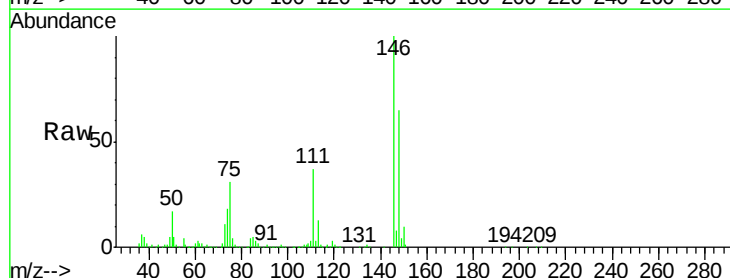
Instrument :
 BNA_F
 ClientSampleId :

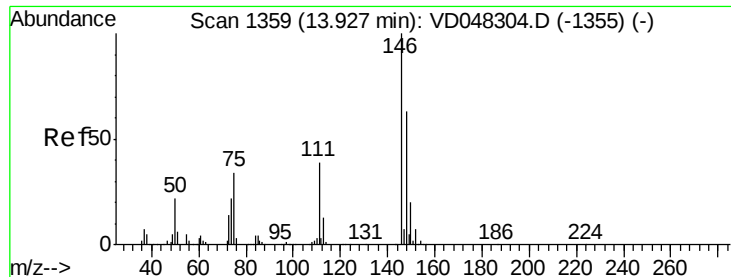
Tot Ion	Ratio	Lower	Upper
119	100		
134	25.7	12.5	37.5
91	22.5	11.2	33.5



#86
 1,3-Dichlorobenzene
 Concen: 19.51 ug/l
 RT: 13.81 min Scan# 1348
 Delta R.T. -0.03 min
 Lab File: VD048324.D
 Acq: 6 Jan 2016 16:12

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	20.5	61.6
148	65.2	31.4	94.0

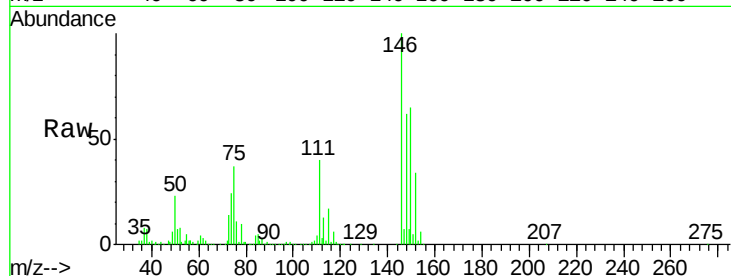




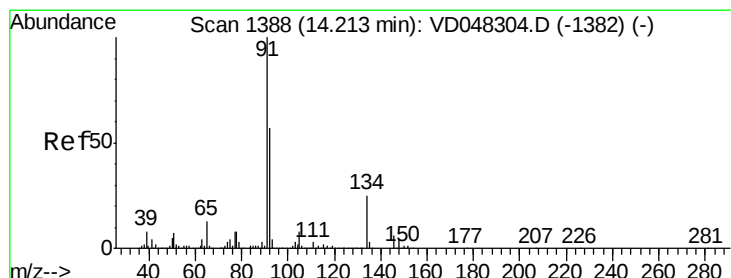
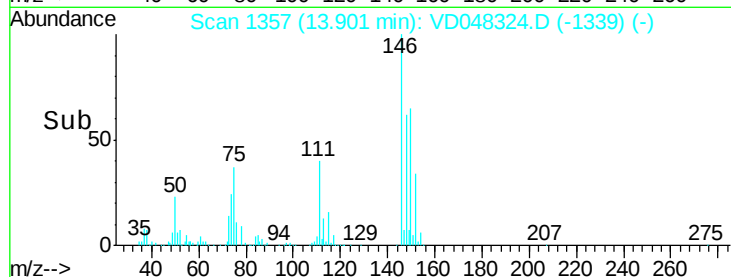
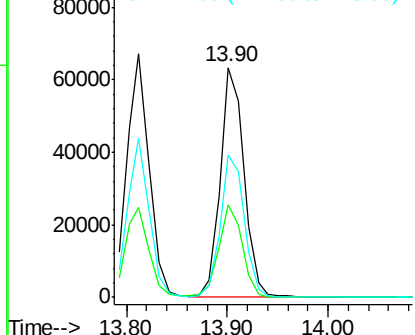
#87
 1,4-Dichlorobenzene
 Concen: 19.56 ug/l
 RT: 13.90 min Scan# 1357
 Delta R.T. -0.03 min
 Lab File: VD048324.D
 Acq: 6 Jan 2016 16:12

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:146 Resp: 104509
 Ion Ratio Lower Upper
 146 100
 111 40.2 18.4 55.2
 148 62.2 32.1 96.5

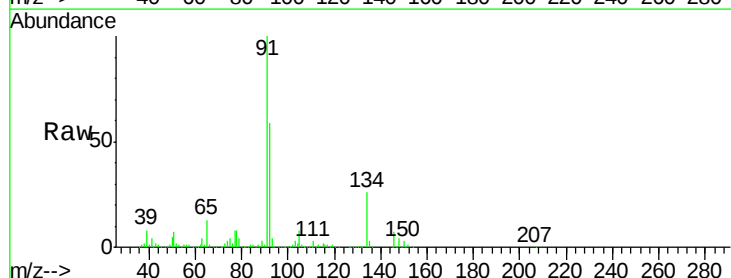


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

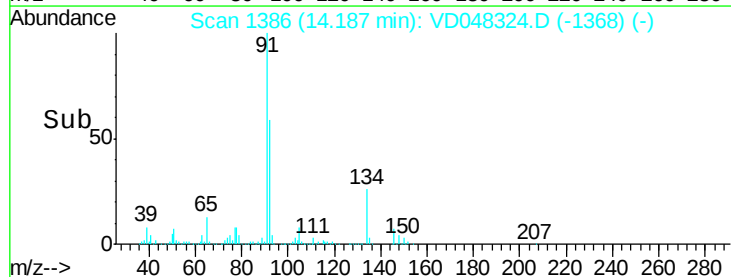
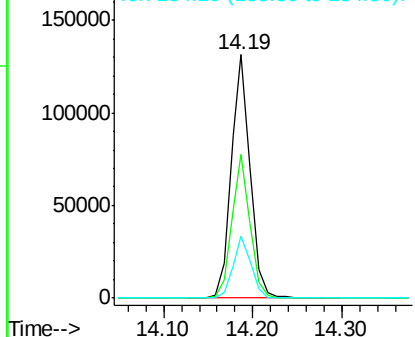


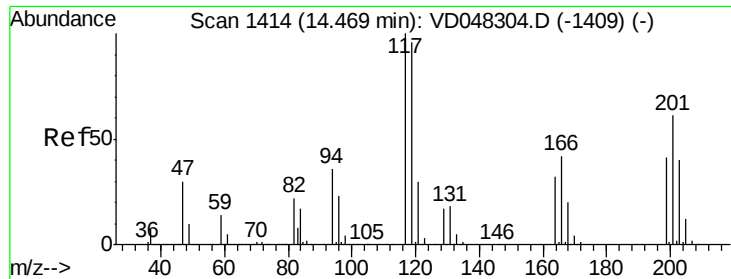
#88
 n-Butylbenzene
 Concen: 18.47 ug/l
 RT: 14.19 min Scan# 1386
 Delta R.T. -0.03 min
 Lab File: VD048324.D
 Acq: 6 Jan 2016 16:12

Tgt Ion: 91 Resp: 196639
 Ion Ratio Lower Upper
 91 100
 92 58.9 28.8 86.5
 134 25.5 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: 16.72 ug/l

RT: 14.44 min Scan# 1412

Delta R.T. -0.03 min

Lab File: VD048324.D

Acq: 6 Jan 2016 16:12

Instrument :

BNA_F

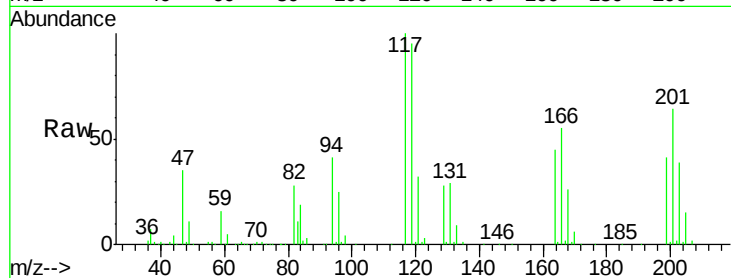
ClientSampleId :

Tot Ion:117 Resp: 36273

Ion Ratio Lower Upper

117 100

201 64.3 28.5 85.5



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

14.44

25000

20000

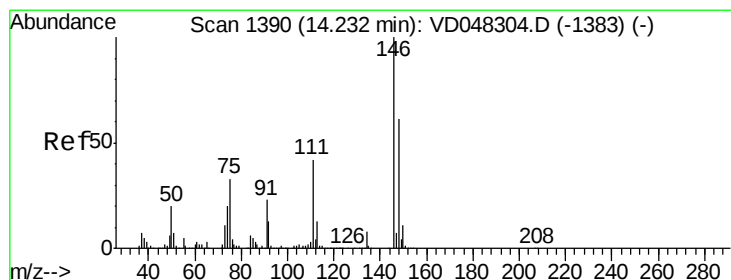
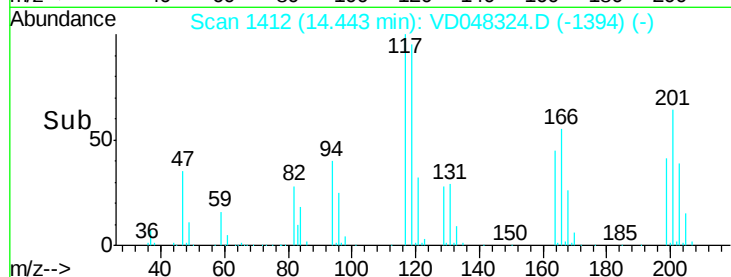
15000

10000

5000

0

Time--> 14.35 14.40 14.45 14.50



#90

1,2-Dichlorobenzene

Concen: 19.50 ug/l

RT: 14.21 min Scan# 1388

Delta R.T. -0.03 min

Lab File: VD048324.D

Acq: 6 Jan 2016 16:12

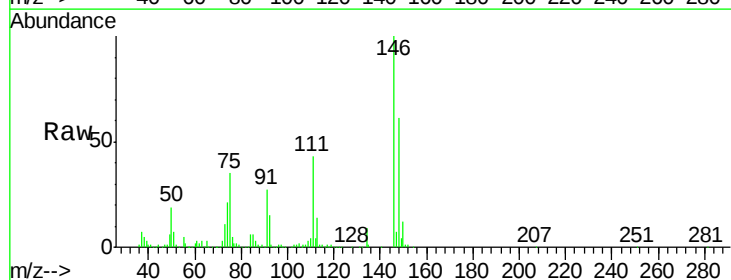
Tgt Ion:146 Resp: 91769

Ion Ratio Lower Upper

146 100

111 42.7 22.0 66.0

148 61.4 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

14.21

80000

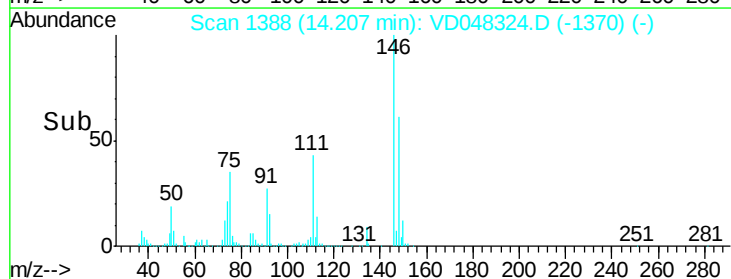
60000

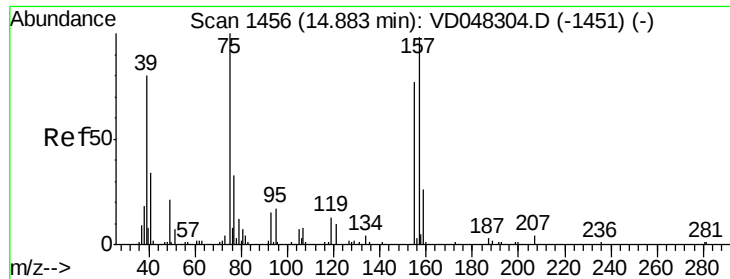
40000

20000

0

Time--> 14.10 14.20 14.30





#91

1,2-Dibromo-3-Chloropropane

Concen: 22.50 ug/l

RT: 14.86 min Scan# 1454

Delta R.T. -0.03 min

Lab File: VD048324.D

Acq: 6 Jan 2016 16:12

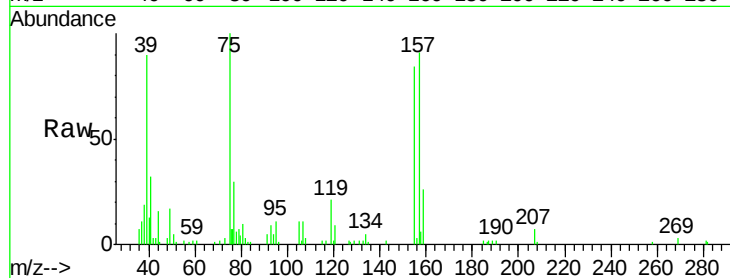
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 75 Resp: 6504

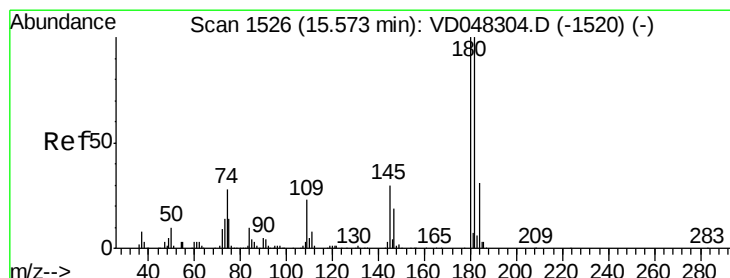
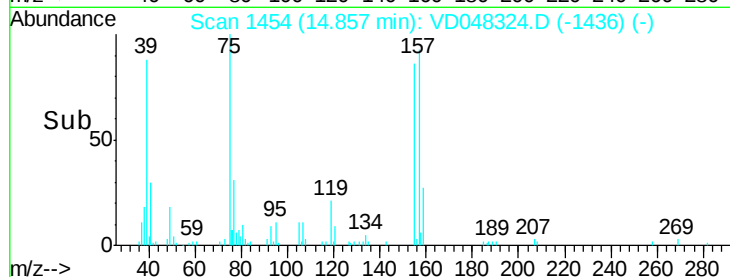
Ion	Ratio	Lower	Upper
75	100		
155	84.4	38.2	114.6
157	91.5	50.5	151.6



Abundance Ion 75.00 (74.70 to 75.70): VD0

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V



#92

1,2,4-Trichlorobenzene

Concen: 20.29 ug/l

RT: 15.54 min Scan# 1523

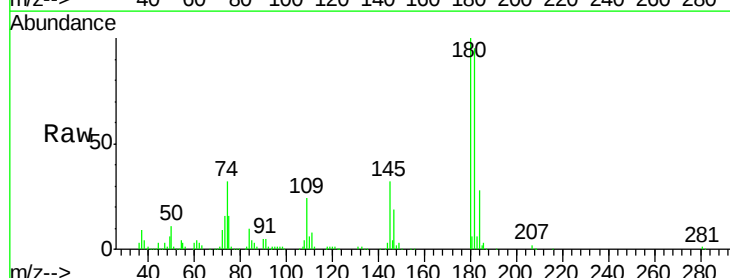
Delta R.T. -0.04 min

Lab File: VD048324.D

Acq: 6 Jan 2016 16:12

Tgt Ion: 180 Resp: 57333

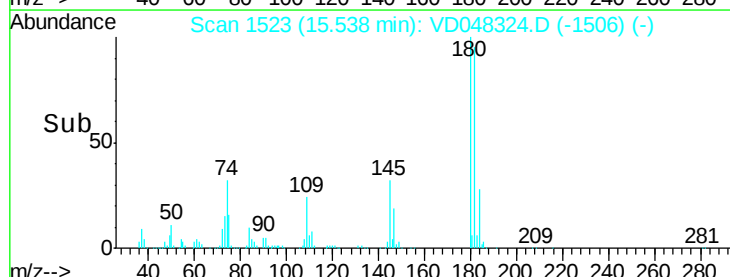
Ion	Ratio	Lower	Upper
180	100		
182	94.9	46.6	139.8
145	32.4	14.9	44.7

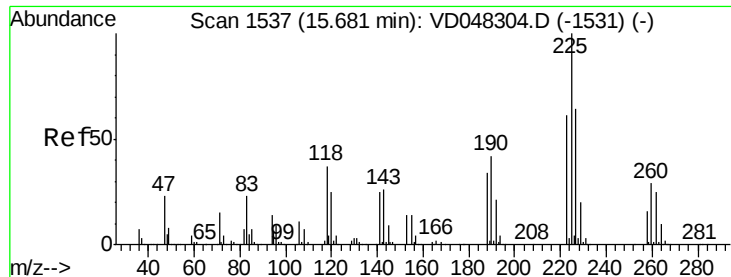


Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V





#93

Hexachlorobutadiene

Concen: 18.86 ug/l

RT: 15.65 min Scan# 1534

Delta R.T. -0.04 min

Lab File: VD048324.D

Acq: 6 Jan 2016 16:12

Instrument :

BNA_F

ClientSampleId :

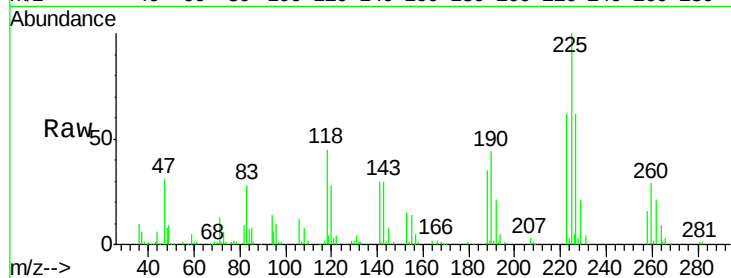
Tot Ion:225 Resp: 35293

Ion Ratio Lower Upper

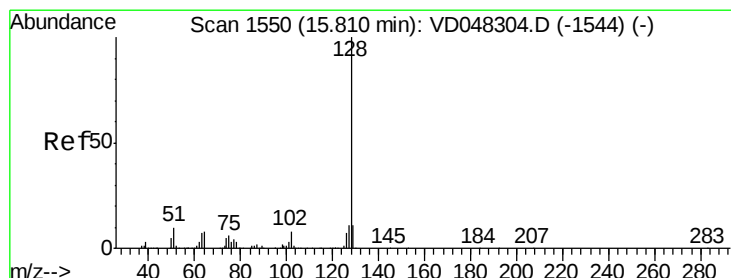
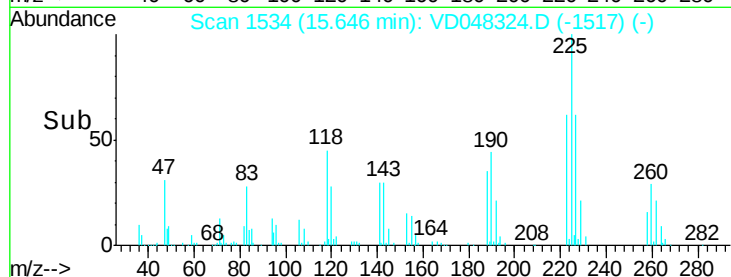
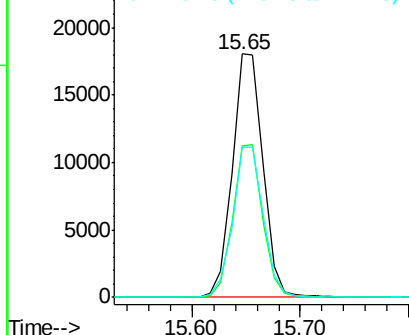
225 100

223 62.3 31.8 95.3

227 61.8 30.4 91.2



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



#94

Naphthalene

Concen: 22.41 ug/l

RT: 15.78 min Scan# 1548

Delta R.T. -0.02 min

Lab File: VD048324.D

Acq: 6 Jan 2016 16:12

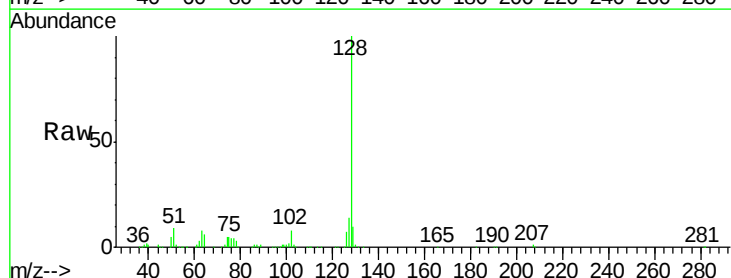
Tgt Ion:128 Resp: 109267

Ion Ratio Lower Upper

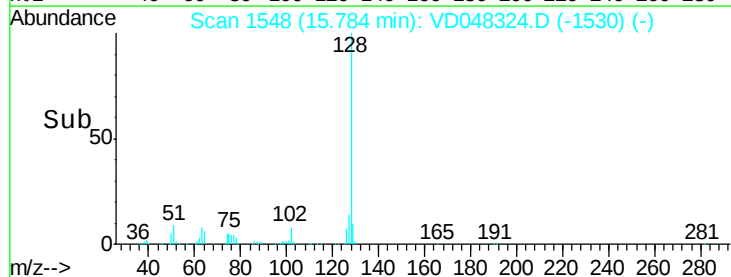
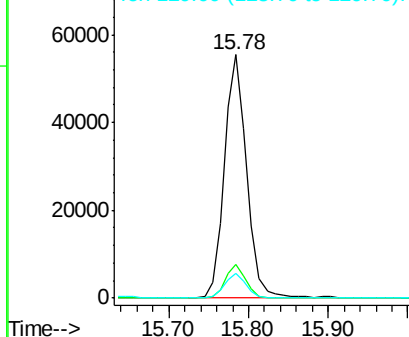
128 100

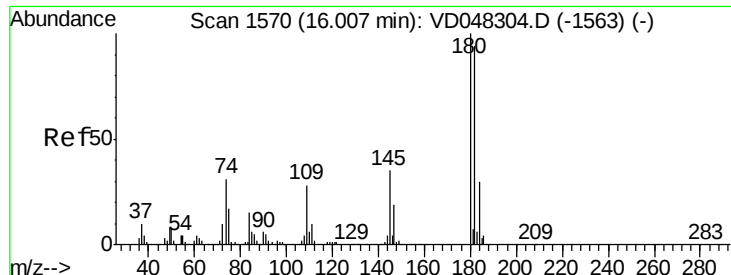
127 13.6 9.7 14.5

129 10.4 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

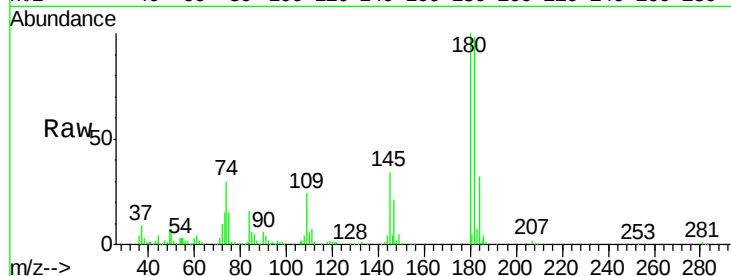




#95
 1,2,3-Trichlorobenzene
 Concen: 21.18 ug/l
 RT: 15.98 min Scan# 1568
 Delta R.T. -0.03 min
 Lab File: VD048324.D
 Acq: 6 Jan 2016 16:12

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.1	49.0	147.0
145	33.9	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

