

Data Path : W:\HPCHEM1\MSVOA D\DATA\VD010616\
 Data File : VD048320.D
 Acq On : 6 Jan 2016 14:27
 Operator : FY/SY
 Sample : VD0106SBS01
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 07 04:26:19 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	208478	50.00	ug/l	-0.03
33) 1,4-Difluorobenzene	7.38	114	356764	50.00	ug/l	-0.03
62) Chlorobenzene-d5	11.54	117	352144	50.00	ug/l	-0.02
71) 1,4-Dichlorobenzene-d4	13.88	152	162397	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
32) 1,2-Dichloroethane-d4	6.67	65	135156	52.90	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	105.80%	
34) Dibromofluoromethane	6.15	113	128963	53.53	ug/l	-0.04
Spiked Amount				50.000		
			Recovery	=	107.06%	
49) Toluene-d8	9.57	98	397398	49.91	ug/l	-0.03
Spiked Amount				50.000		
			Recovery	=	99.82%	
61) 4-Bromofluorobenzene	12.81	95	169002	48.87	ug/l	-0.02
Spiked Amount				50.000		
			Recovery	=	97.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.40	85	46810	17.36	ug/l	99
3) Chloromethane	1.60	50	24438	14.79	ug/l	92
4) Vinyl Chloride	1.66	62	24865	16.31	ug/l	95
5) Bromomethane	1.95	94	16337	16.33	ug/l	96
6) Chloroethane	2.05	64	13619	15.56	ug/l	96
7) Trichlorofluoromethane	2.29	101	59256	17.47	ug/l	99
8) Diethyl Ether	2.60	74	19079	19.30	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.85	101	40872	18.14	ug/l	98
10) Methyl Iodide	3.01	142	25769	16.80	ug/l	99
11) Tert butyl alcohol	3.65	59	12559	94.95	ug/l	95
12) 1,1-Dichloroethene	2.84	96	34331	17.75	ug/l	94
13) Acrolein	2.74	56	21940	110.30	ug/l	95
14) Allyl chloride	3.29	41	69606	17.65	ug/l	96
15) Acrylonitrile	3.79	53	44080	108.11	ug/l	99
16) Acetone	2.90	43	49842	89.40	ug/l	90
17) Carbon Disulfide	3.09	76	113882	16.73	ug/l	97
18) Methyl Acetate	3.30	43	30123	22.11	ug/l	# 87
19) Methyl tert-butyl Ether	3.85	73	85360	20.48	ug/l	100
20) Methylene Chloride	3.46	84	46346	18.07	ug/l	90
21) trans-1,2-Dichloroethene	3.84	96	38315	17.91	ug/l	95
22) Diisopropyl ether	4.60	45	134777	18.10	ug/l	96
23) Vinyl Acetate	4.55	43	380183	103.45	ug/l	100
24) 1,1-Dichloroethane	4.51	63	76864	17.73	ug/l	99
25) 2-Butanone	5.40	43	64485	108.71	ug/l	98
26) 2,2-Dichloropropane	5.38	77	71047	17.61	ug/l	98
27) cis-1,2-Dichloroethene	5.38	96	45881	18.41	ug/l	99
28) Bromochloromethane	5.74	49	31304	17.34	ug/l	94
29) Chloroform	5.92	83	88023	18.49	ug/l	97
30) Cyclohexane	6.22	56	64382	17.81	ug/l	99
31) 1,1,1-Trichloroethane	6.14	97	68477	18.49	ug/l	96
35) 1,1-Dichloropropene	6.38	75	67705	19.07	ug/l	98
36) Ethyl Acetate	5.49	43	32899	20.98	ug/l	95
37) Carbon Tetrachloride	6.36	117	58417	18.48	ug/l	92
38) Methylcyclohexane	8.03	83	69065	18.08	ug/l	96

Data Path : W:\HPCHEM1\MSVOA D\DATA\VD010616\
 Data File : VD048320.D
 Acq On : 6 Jan 2016 14:27
 Operator : FY/SY
 Sample : VD0106SBS01
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 07 04:26:19 2016
 Quant Method : W:\HPCHEM1\MSVOA_D\METHOD\82D010416S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 04 14:08:32 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Benzene	6.67	78	177947	18.80	ug/l	100
40) Methacrylonitrile	5.70	41	19125	20.81	ug/l	97
41) 1,2-Dichloroethane	6.78	62	61496	20.69	ug/l	98
42) Isopropyl Acetate	8.36	43	47950	21.52	ug/l #	99
43) Trichloroethene	7.70	130	50773	19.04	ug/l	98
44) 1,2-Dichloropropane	8.10	63	50684	19.30	ug/l	99
45) Dibromomethane	8.21	93	28186	19.71	ug/l	97
46) Bromodichloromethane	8.51	83	65484	19.18	ug/l	99
47) Methyl methacrylate	8.03	41	34934	16.46	ug/l	98
48) 1,4-Dioxane	8.23	88	5702	443.02	ug/l	86
50) 4-Methyl-2-Pentanone	9.43	43	168198	113.54	ug/l	99
51) Toluene	9.67	92	110375	19.15	ug/l	98
52) t-1,3-Dichloropropene	10.07	75	62483	19.41	ug/l	92
53) cis-1,3-Dichloropropene	9.18	75	78007	19.22	ug/l	96
54) 1,1,2-Trichloroethane	10.35	97	37126	20.58	ug/l	94
55) Ethyl methacrylate	10.20	69	47489	21.98	ug/l	99
56) 1,3-Dichloropropane	10.56	76	72929	20.28	ug/l	98
57) 2-Chloroethyl Vinyl ether	8.98	63	123199	95.46	ug/l	98
58) 2-Hexanone	10.66	43	121144	118.13	ug/l	94
59) Dibromochloromethane	10.85	129	45318	18.96	ug/l	98
60) 1,2-Dibromoethane	10.97	107	37681	19.49	ug/l	97
63) Tetrachloroethene	10.42	164	40159	18.41	ug/l	96
64) Chlorobenzene	11.57	112	132734	18.91	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.68	131	47542	18.99	ug/l	98
66) Ethyl Benzene	11.69	91	230209	18.54	ug/l	100
67) m/p-Xylenes	11.84	106	171309	38.95	ug/l	94
68) o-Xylene	12.26	106	81696	19.31	ug/l	99
69) Stvrene	12.28	104	133989	19.79	ug/l	96
70) Bromoform	12.46	173	23790	19.39	ug/l	93
72) Isopropylbenzene	12.63	105	223530	18.03	ug/l	97
73) N-amyl acetate	12.47	43	72224	20.66	ug/l	98
74) 1,1,2,2-Tetrachloroethane	12.95	83	48446	21.05	ug/l	94
75) 1,2,3-Trichloropropane	13.00	75	54392	21.11	ug/l	97
76) Bromobenzene	12.94	156	54690	18.89	ug/l	92
77) n-propylbenzene	13.04	91	288369	18.05	ug/l	98
78) 2-Chlorotoluene	13.12	91	161075	18.03	ug/l	95
79) 1,3,5-Trimethylbenzene	13.21	105	180201	18.67	ug/l	99
80) trans-1,4-Dichloro-2-buten	12.70	75	13901	20.30	ug/l	91
81) 4-Chlorotoluene	13.24	91	188695	18.28	ug/l	98
82) tert-Butylbenzene	13.51	119	208809	22.33	ug/l	98
83) 1,2,4-Trimethylbenzene	13.56	105	184186	18.54	ug/l	96
84) sec-Butylbenzene	13.71	105	241610	18.22	ug/l	96
85) p-Isopropyltoluene	13.84	119	204356	18.52	ug/l	99
86) 1,3-Dichlorobenzene	13.81	146	103398	18.64	ug/l	99
87) 1,4-Dichlorobenzene	13.90	146	105087	18.97	ug/l	98
88) n-Butylbenzene	14.19	91	199056	18.04	ug/l	98
89) Hexachloroethane	14.44	117	37427	16.64	ug/l	84
90) 1,2-Dichlorobenzene	14.21	146	94783	19.43	ug/l	94
91) 1,2-Dibromo-3-Chloropropan	14.86	75	6491	21.67	ug/l	99
92) 1,2,4-Trichlorobenzene	15.54	180	58701	20.04	ug/l	99

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Operator : FY/SY
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Misc : 5.00µl/5ml/MSVOA D/SOIL
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Jan 07 04:26:19 2016
Quant Method : W:\HPCHEM1\MSVOA_D\METHOD\82D010416S.M
Quant Title : SW846 8260
QLast Update : Mon Jan 04 14:08:32 2016
Response via : Initial Calibration

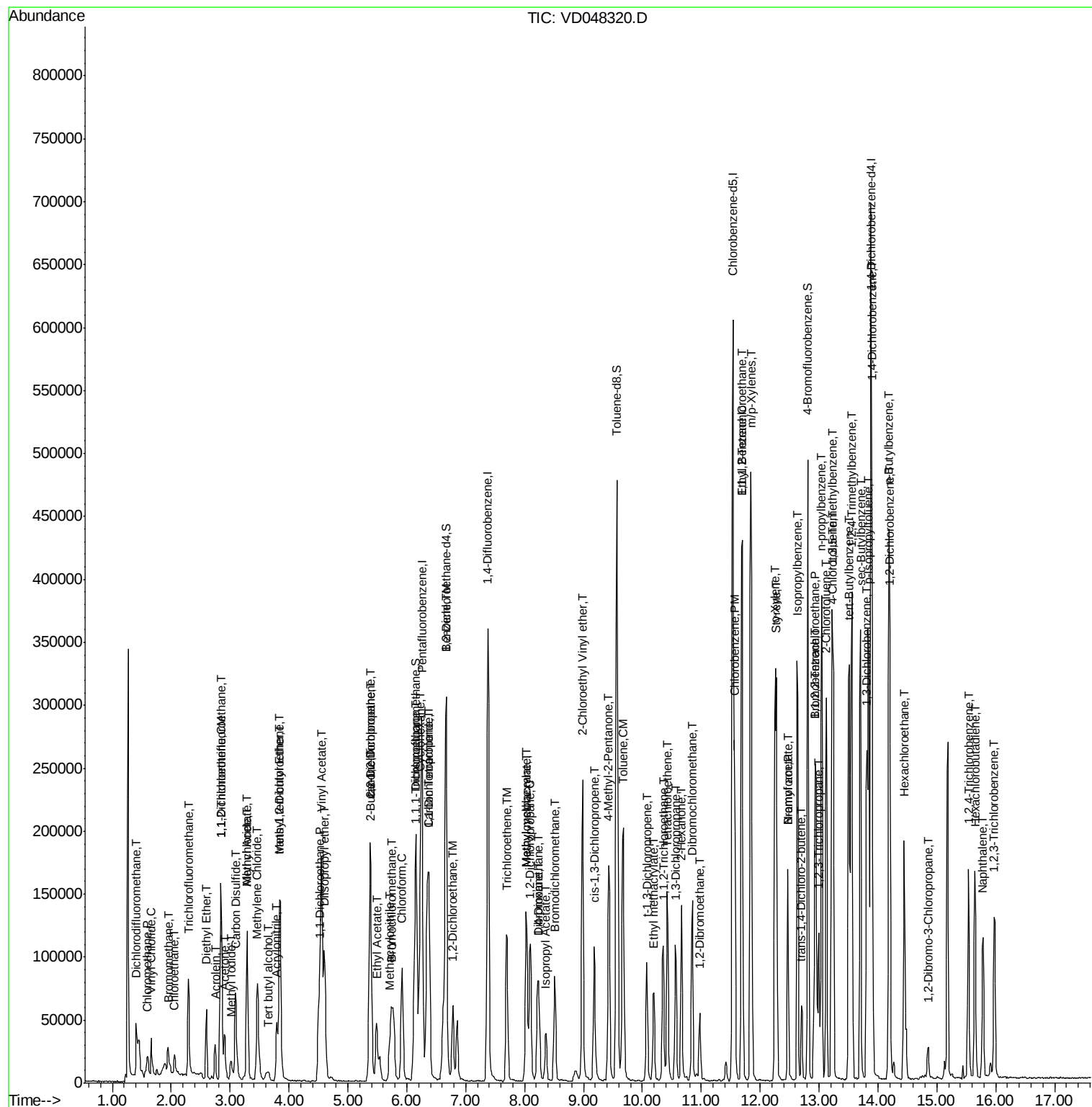
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Hexachlorobutadiene	15.65	225	35086	18.09	µg/l	95
94) Naphthalene	15.79	128	108450	21.61	µg/l	98
95) 1,2,3-Trichlorobenzene	15.98	180	48409	20.16	µg/l	98

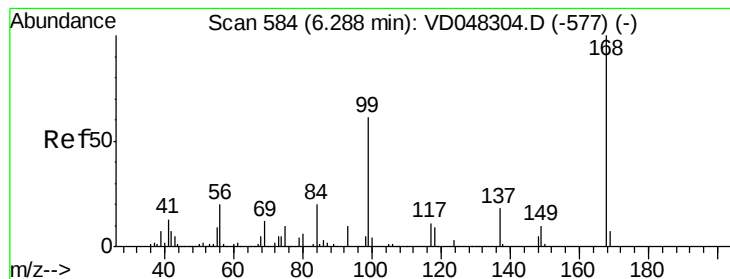
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : W:\HPCHEM1\MSVOA D\DATA\VD010616\
 Data File : VD048320.D
 Acq On : 6 Jan 2016 14:27
 Operator : FY/SY
 Sample : VD0106SBS01
 Misc : 5.00µl/MSVOA D/SOIL
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 07 04:26:19 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





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.25 min Scan# 581

Delta R.T. -0.03 min

Lab File: VD048320.D

Acq: 6 Jan 2016 14:27

Instrument :

BNA_F

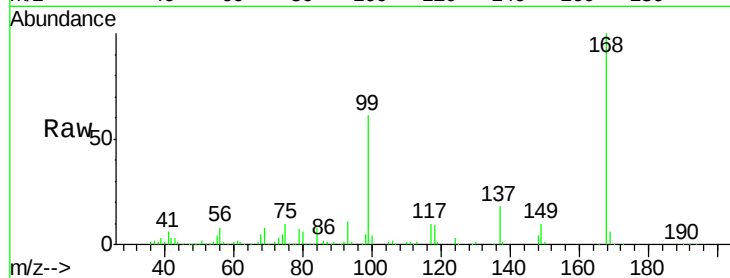
ClientSampleId :

Tot Ion:168 Resp: 208478

Ion Ratio Lower Upper

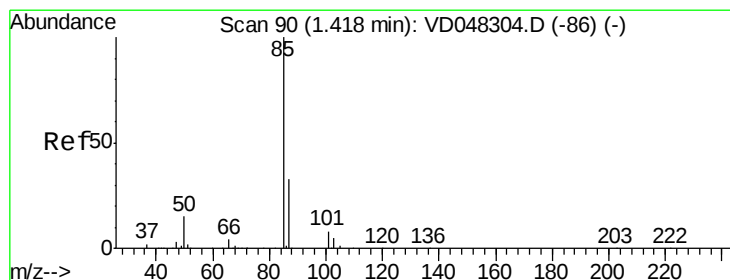
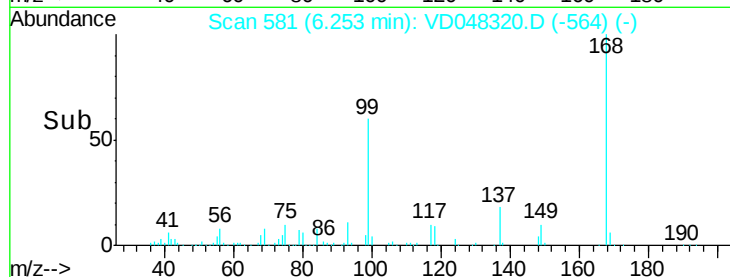
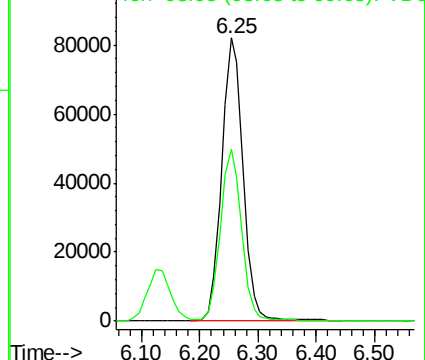
168 100

99 60.7 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 17.36 ug/l

RT: 1.40 min Scan# 89

Delta R.T. -0.01 min

Lab File: VD048320.D

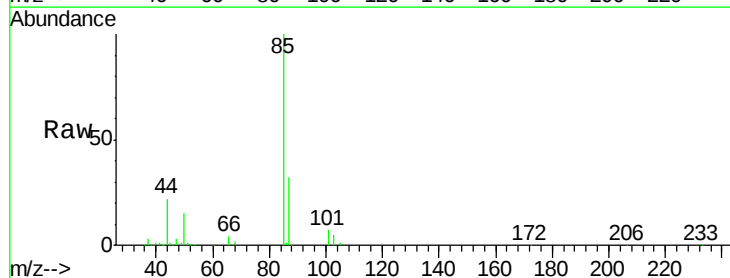
Acq: 6 Jan 2016 14:27

Tgt Ion: 85 Resp: 46810

Ion Ratio Lower Upper

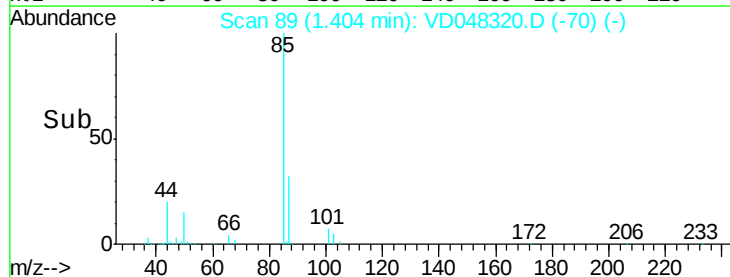
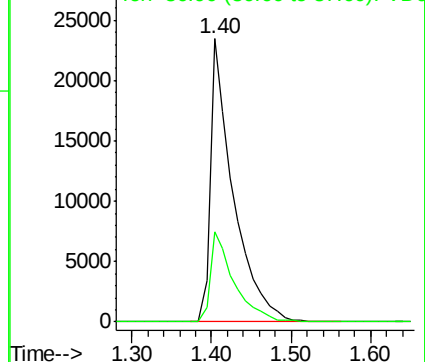
85 100

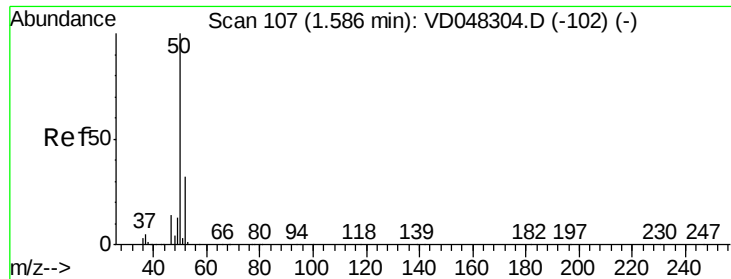
87 31.8 16.1 48.2



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 14.79 ug/l

RT: 1.60 min Scan# 109

Delta R.T. 0.02 min

Lab File: VD048320.D

Acq: 6 Jan 2016 14:27

Instrument :

BNA_F

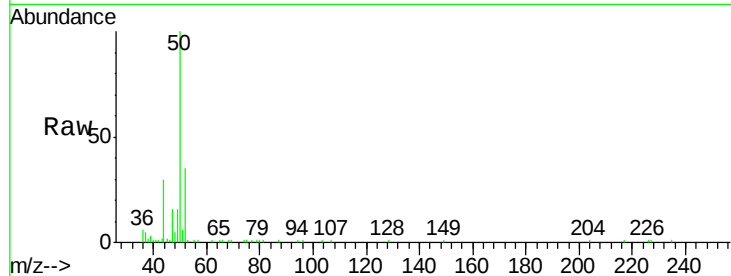
ClientSampled :

Tot Ion: 50 Resp: 24438

Ion Ratio Lower Upper

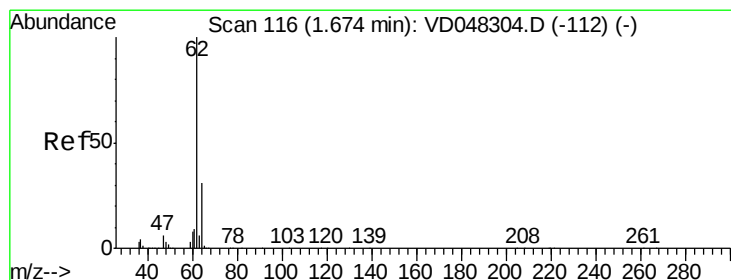
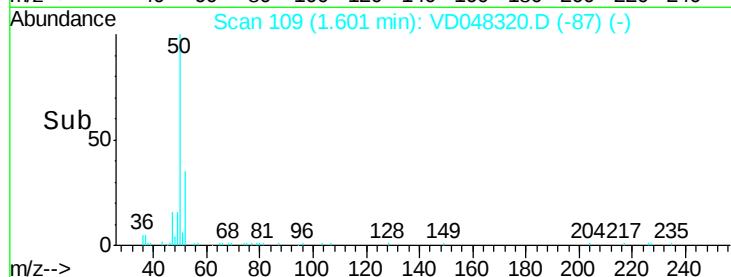
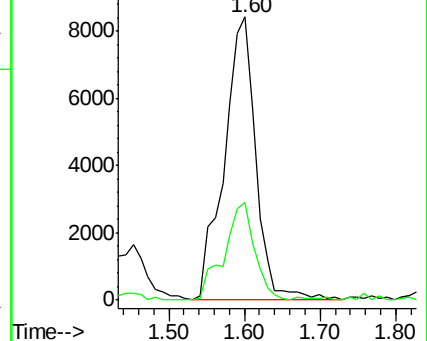
50 100

52 34.7 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: 16.31 ug/l

RT: 1.66 min Scan# 115

Delta R.T. -0.01 min

Lab File: VD048320.D

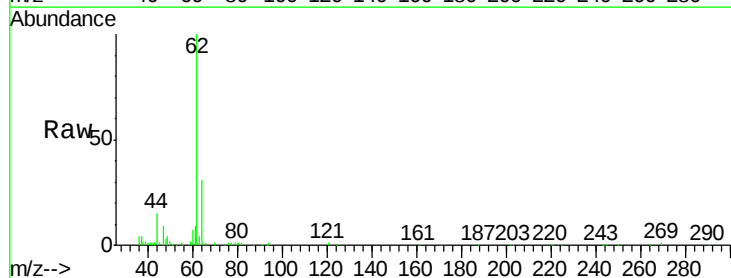
Acq: 6 Jan 2016 14:27

Tgt Ion: 62 Resp: 24865

Ion Ratio Lower Upper

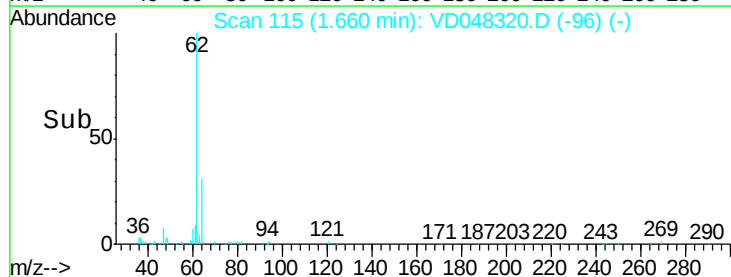
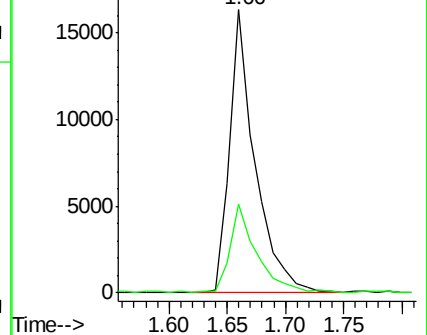
62 100

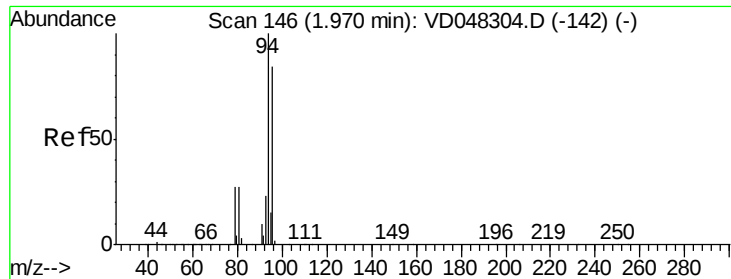
64 31.5 27.5 41.3



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 16.33 ug/l

RT: 1.95 min Scan# 144

Delta R.T. -0.02 min

Lab File: VD048320.D

Acq: 6 Jan 2016 14:27

Instrument :

BNA_F

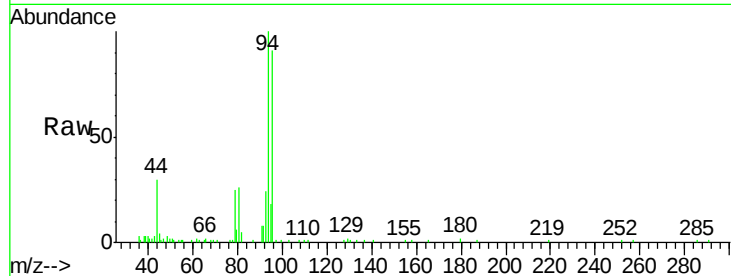
ClientSampleId :

Tot Ion: 94 Resp: 16337

Ion Ratio Lower Upper

94 100

96 91.2 76.0 114.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

1.95

6000

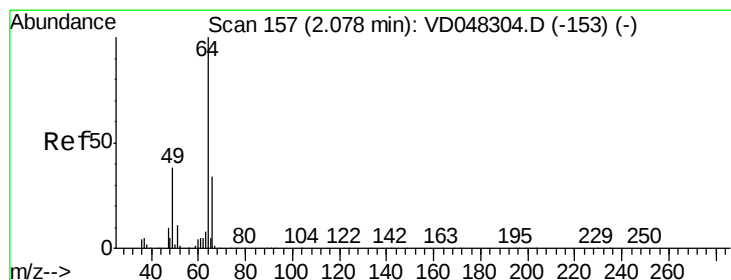
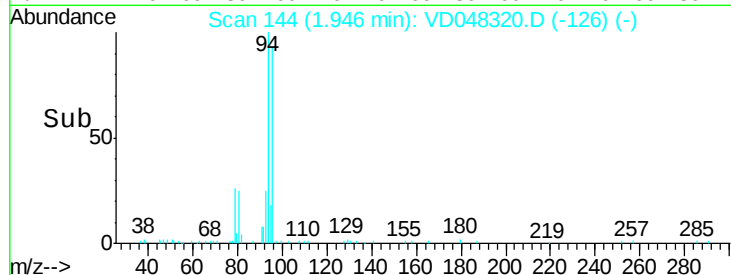
4000

2000

0

Time-->

1.80 1.90 2.00 2.10



#6

Chloroethane

Concen: 15.56 ug/l

RT: 2.05 min Scan# 155

Delta R.T. -0.02 min

Lab File: VD048320.D

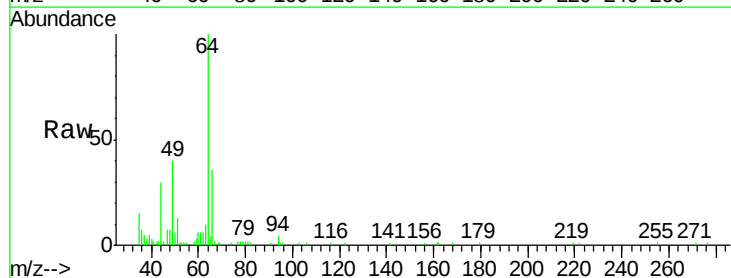
Acq: 6 Jan 2016 14:27

Tgt Ion: 64 Resp: 13619

Ion Ratio Lower Upper

64 100

66 35.9 27.0 40.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.05

6000

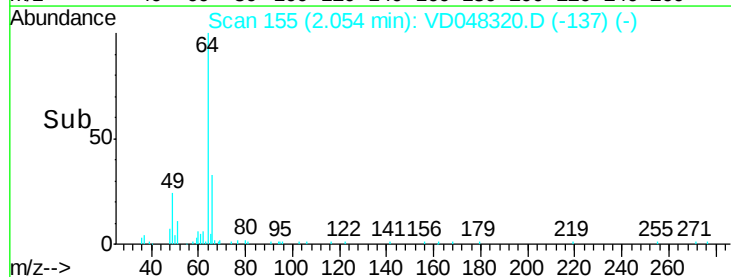
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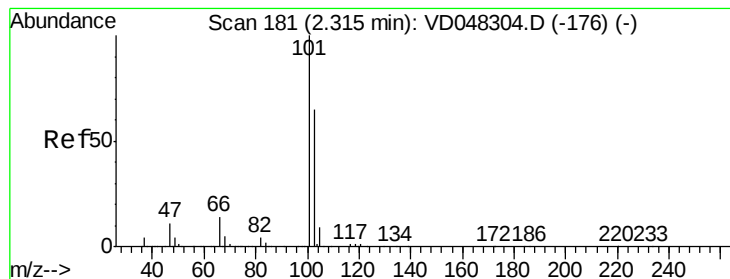
2000

0

Time-->

2.00 2.10 2.20



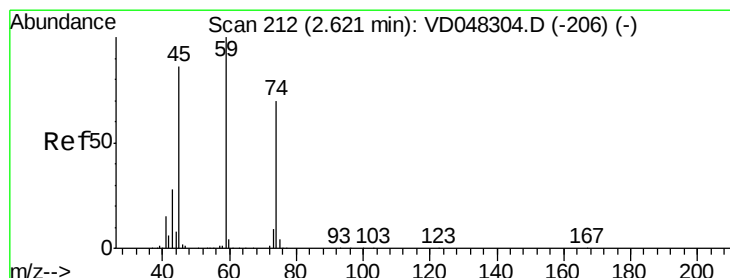
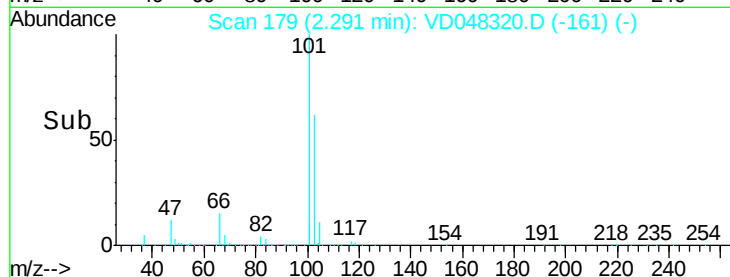
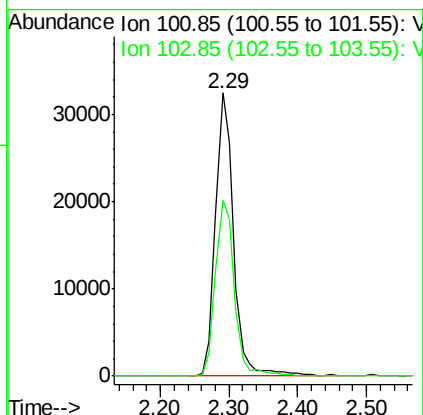
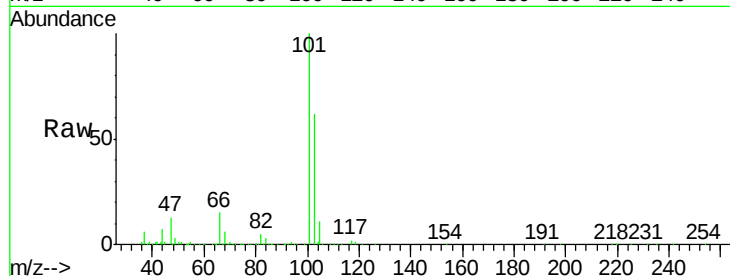


#7

Trichlorofluoromethane
Concen: 17.47 ug/l
RT: 2.29 min Scan# 179
Delta R.T. -0.02 min
Lab File: VD048320.D
Acq: 6 Jan 2016 14:27

Instrument :
BNA_F
ClientSampleId :

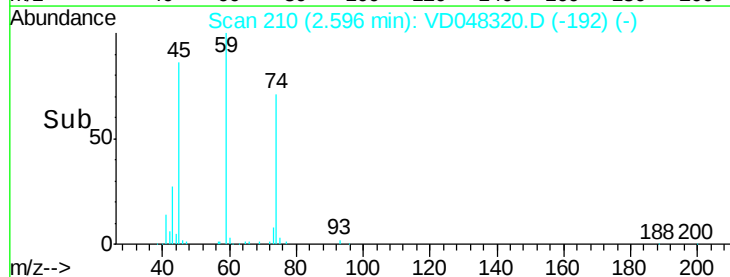
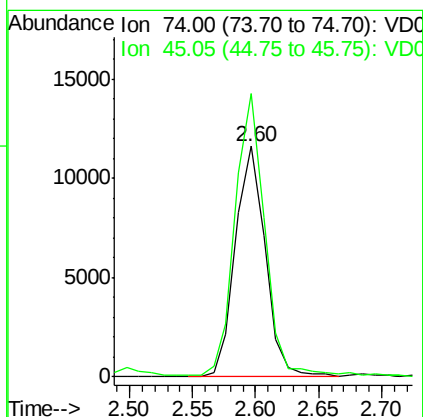
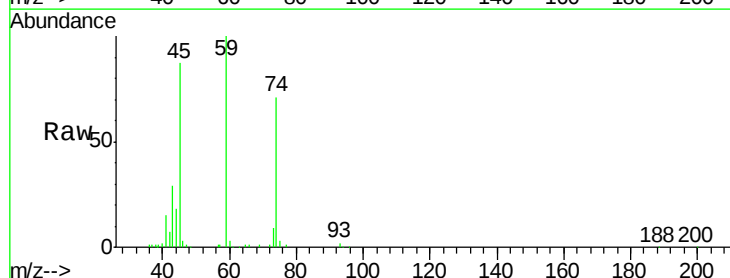
Tot Ion:101 Resp: 59256
Ion Ratio Lower Upper
101 100
103 62.2 49.4 74.0

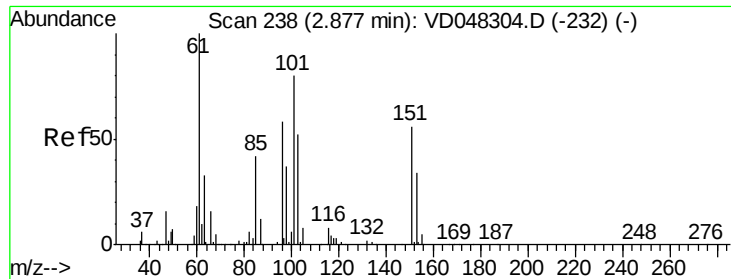


#8

Diethyl Ether
Concen: 19.30 ug/l
RT: 2.60 min Scan# 210
Delta R.T. -0.02 min
Lab File: VD048320.D
Acq: 6 Jan 2016 14:27

Tgt Ion: 74 Resp: 19079
Ion Ratio Lower Upper
74 100
45 122.7 56.9 170.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.14 ug/l

RT: 2.85 min Scan# 236

Delta R.T. -0.02 min

Lab File: VD048320.D

Acq: 6 Jan 2016 14:27

Instrument :

BNA_F

ClientSampled :

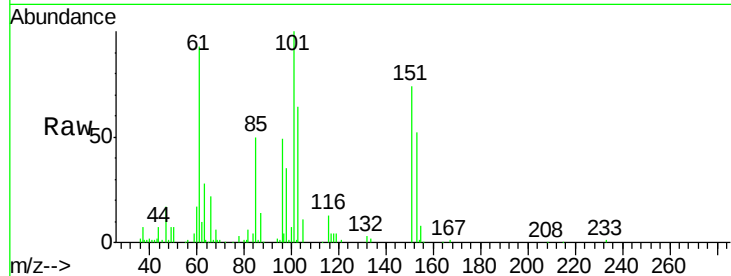
Tot Ion:101 Resp: 40872

Ion Ratio Lower Upper

101 100

85 49.9 41.0 61.4

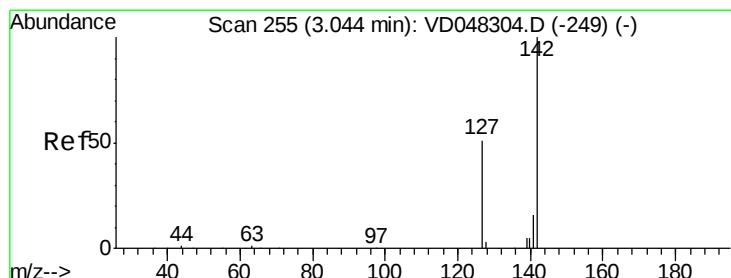
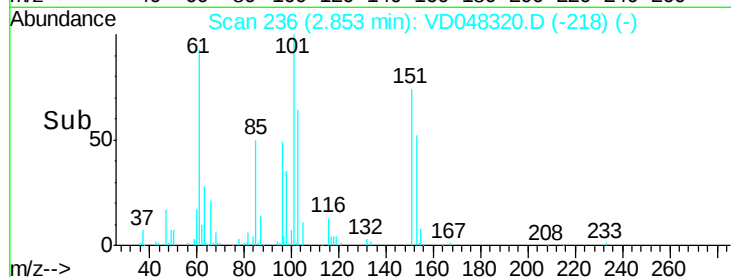
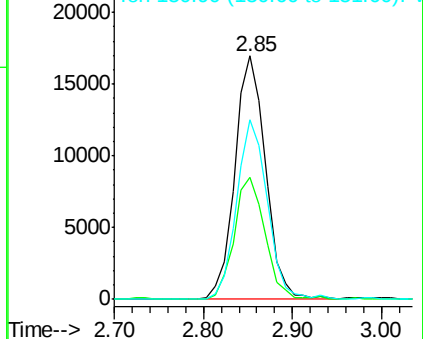
151 73.6 58.0 87.0



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: 16.80 ug/l

RT: 3.01 min Scan# 252

Delta R.T. -0.03 min

Lab File: VD048320.D

Acq: 6 Jan 2016 14:27

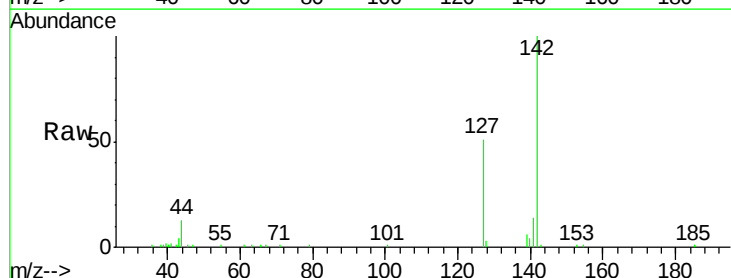
Tgt Ion:142 Resp: 25769

Ion Ratio Lower Upper

142 100

127 51.3 40.6 61.0

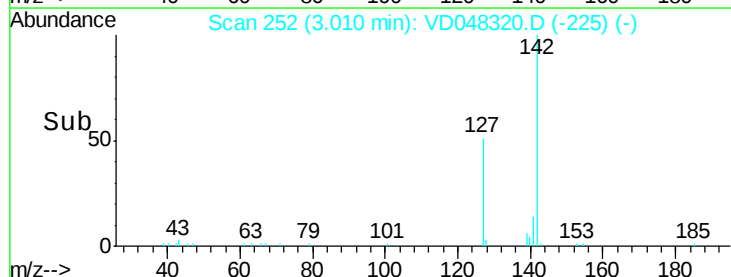
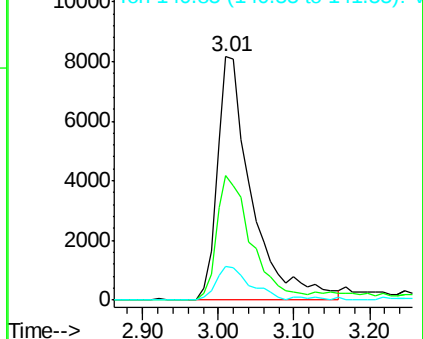
141 14.0 11.1 16.7

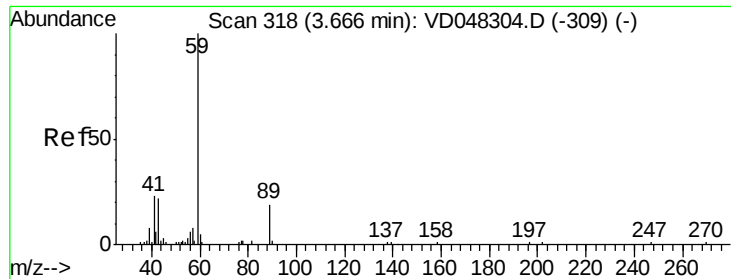


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

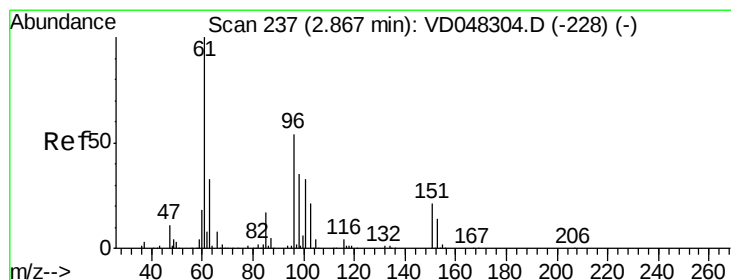
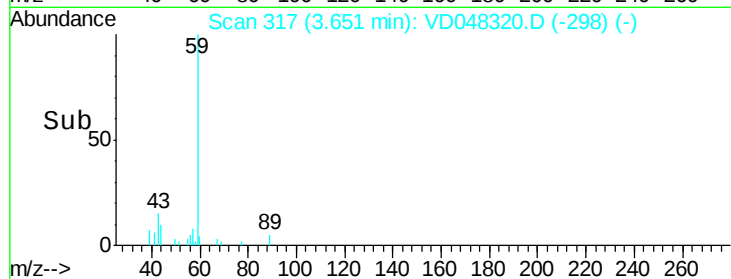
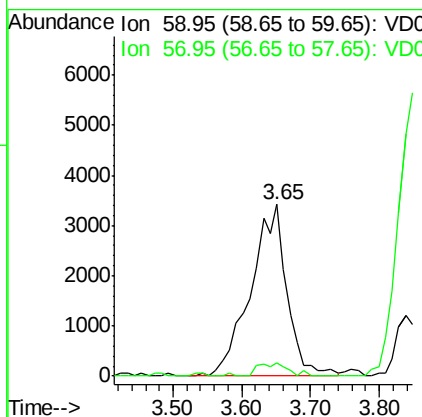
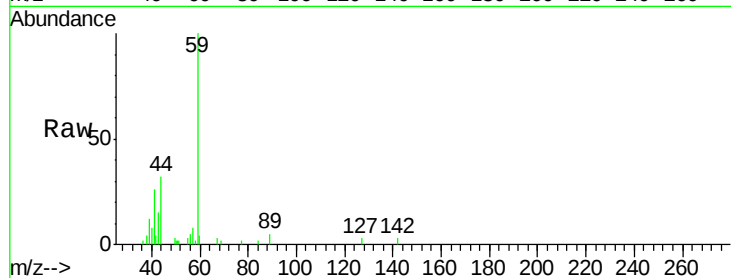




#11
Tert butyl alcohol
Concen: 94.95 ug/l
RT: 3.65 min Scan# 317
Delta R.T. -0.01 min
Lab File: VD048320.D
Acq: 6 Jan 2016 14:27

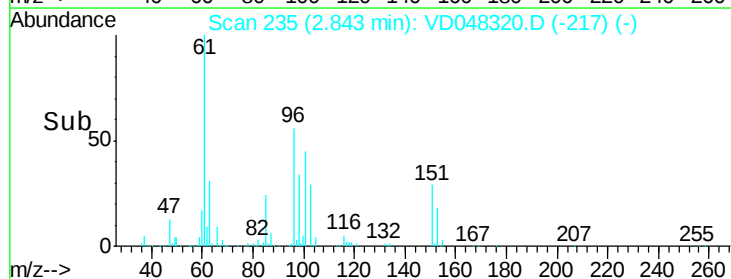
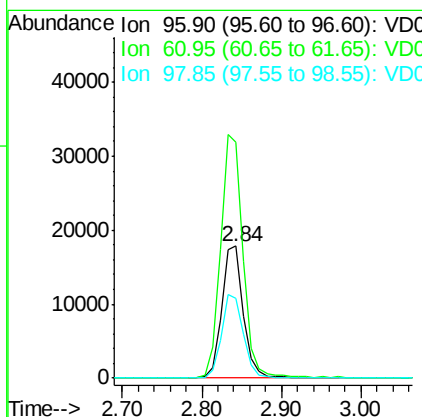
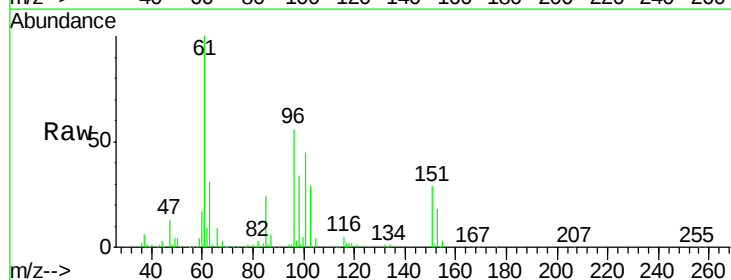
Instrument :
BNA_F
ClientSampleId :

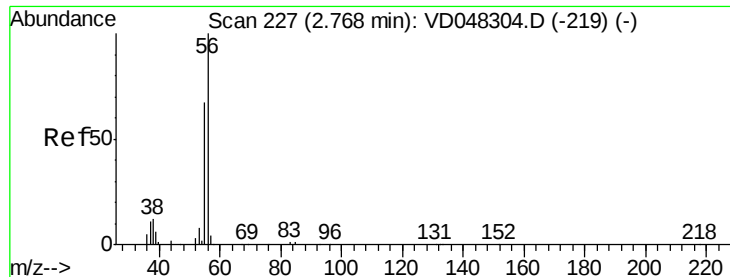
Tot Ion: 59 Resp: 12559
Ion Ratio Lower Upper
59 100
57 8.0 7.9 11.9



#12
1,1-Dichloroethene
Concen: 17.75 ug/l
RT: 2.84 min Scan# 235
Delta R.T. -0.02 min
Lab File: VD048320.D
Acq: 6 Jan 2016 14:27

Tgt Ion: 96 Resp: 34331
Ion Ratio Lower Upper
96 100
61 178.6 150.1 225.1
98 60.5 50.6 76.0





#13

Acrolein

Concen: 110.30 ug/l

RT: 2.74 min Scan# 225

Delta R.T. -0.02 min

Lab File: VD048320.D

Acq: 6 Jan 2016 14:27

Instrument :

BNA_F

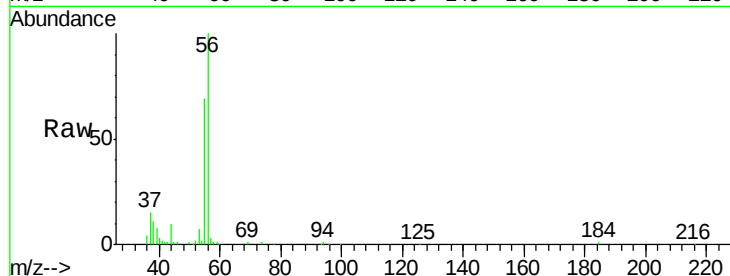
ClientSampled :

Tot Ion: 56 Resp: 21940

Ion Ratio Lower Upper

56 100

55 68.9 52.2 78.4



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

2.74

15000

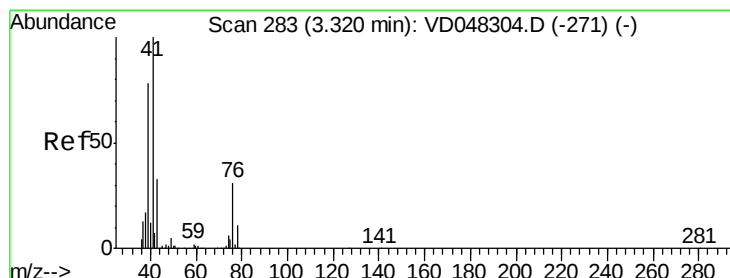
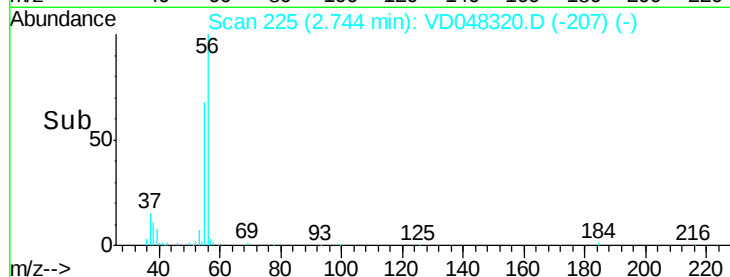
10000

5000

0

Time-->

2.70 2.80



#14

Allyl chloride

Concen: 17.65 ug/l

RT: 3.29 min Scan# 280

Delta R.T. -0.03 min

Lab File: VD048320.D

Acq: 6 Jan 2016 14:27

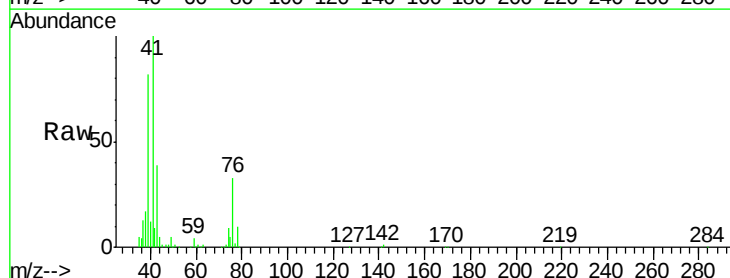
Tgt Ion: 41 Resp: 69606

Ion Ratio Lower Upper

41 100

39 82.5 62.5 93.7

76 33.2 27.3 40.9



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

60000

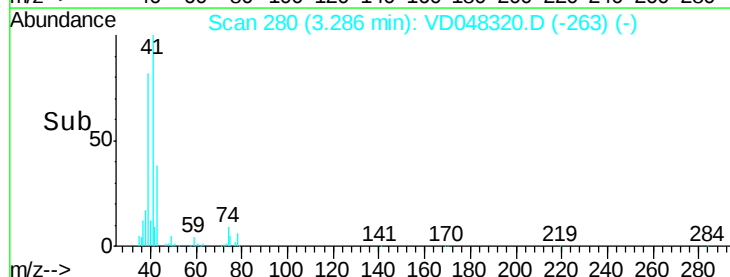
40000

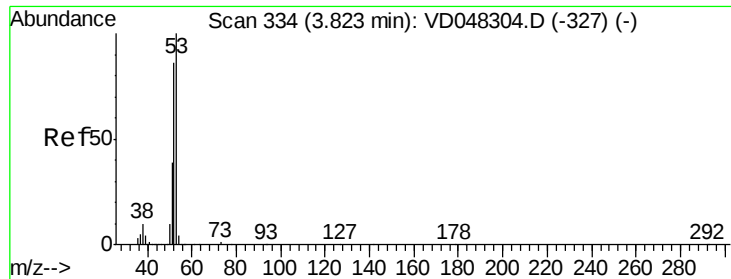
20000

0

Time-->

3.20 3.40





#15

Acrylonitrile

Concen: 108.11 ug/l

RT: 3.79 min Scan# 331

Delta R.T. -0.03 min

Lab File: VD048320.D

Acq: 6 Jan 2016 14:27

Instrument :

BNA_F

ClientSampleId :

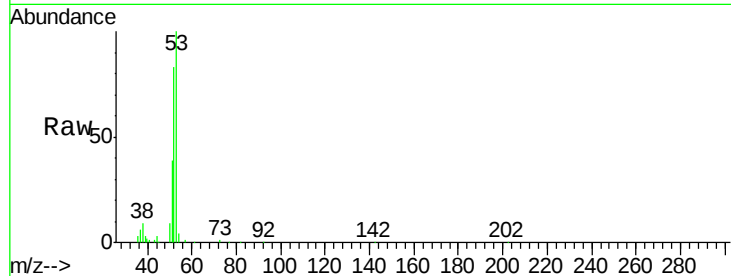
Tot Ion: 53 Resp: 44080

Ion Ratio Lower Upper

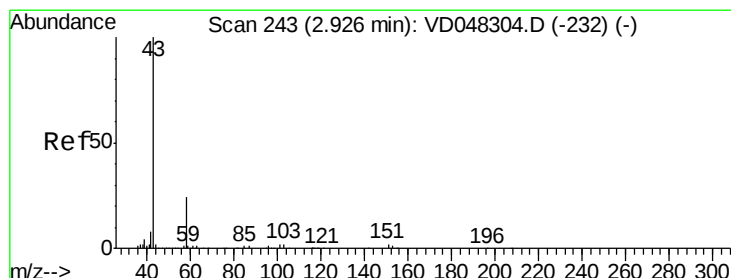
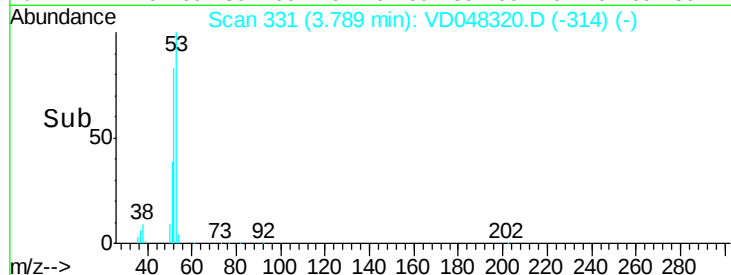
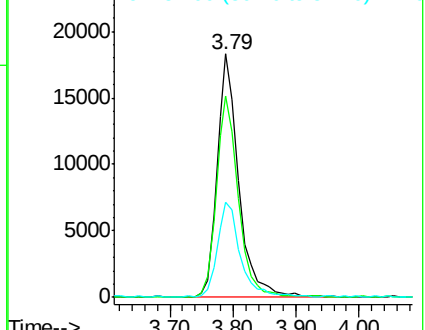
53 100

52 82.6 65.7 98.5

51 39.3 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: 89.40 ug/l

RT: 2.90 min Scan# 241

Delta R.T. -0.02 min

Lab File: VD048320.D

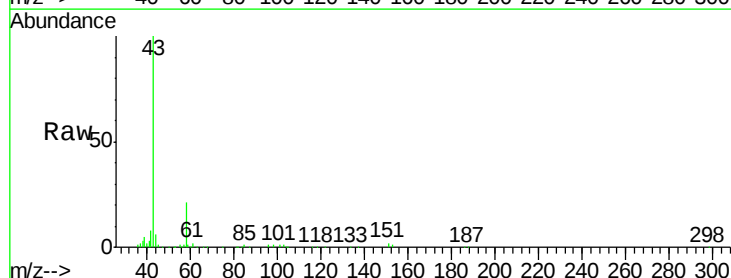
Acq: 6 Jan 2016 14:27

Tgt Ion: 43 Resp: 49842

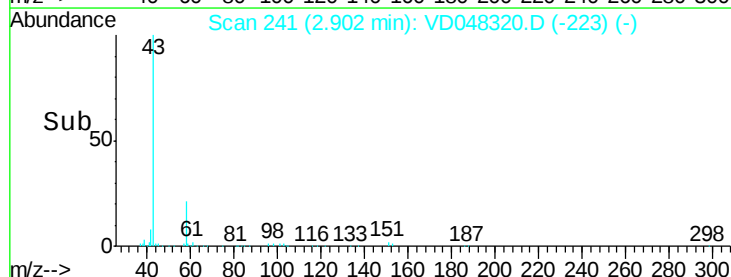
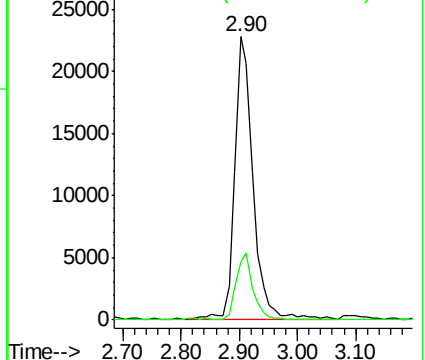
Ion Ratio Lower Upper

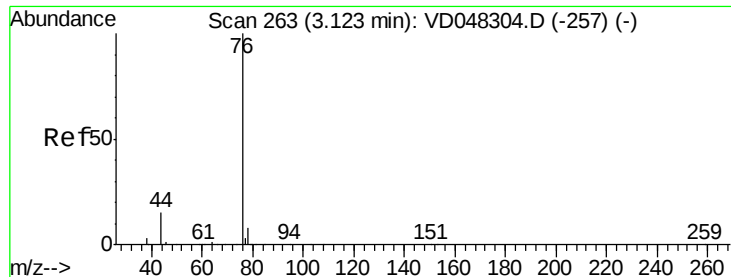
43 100

58 20.7 20.6 30.8



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

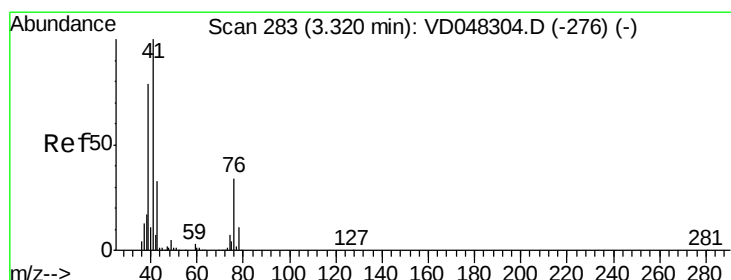
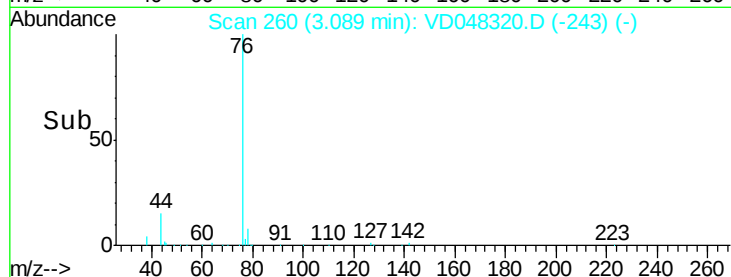
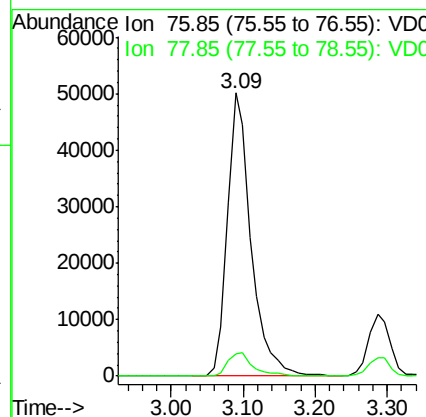
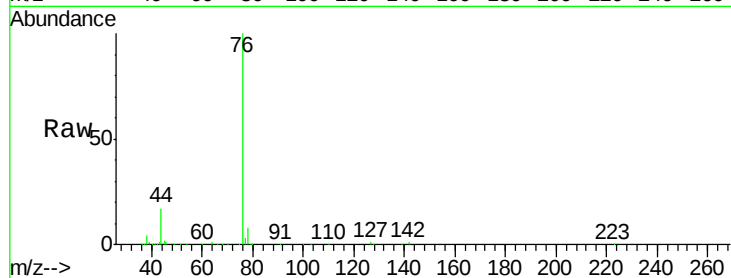




#17
Carbon Disulfide
Concen: 16.73 ug/l
RT: 3.09 min Scan# 260
Delta R.T. -0.03 min
Lab File: VD048320.D
Acq: 6 Jan 2016 14:27

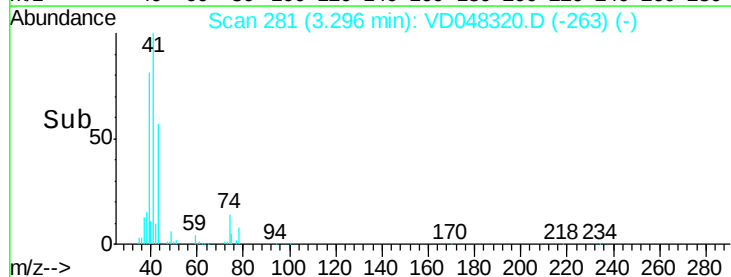
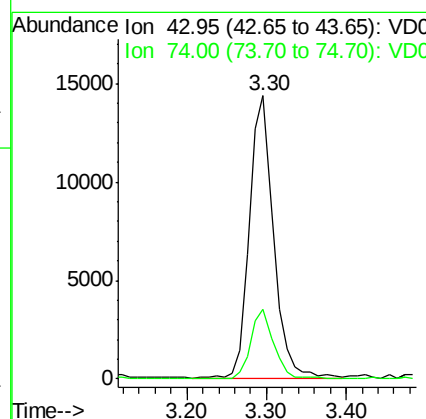
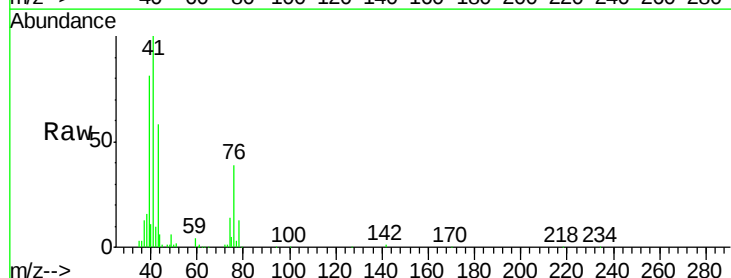
Instrument :
BNA_F
ClientSampled :

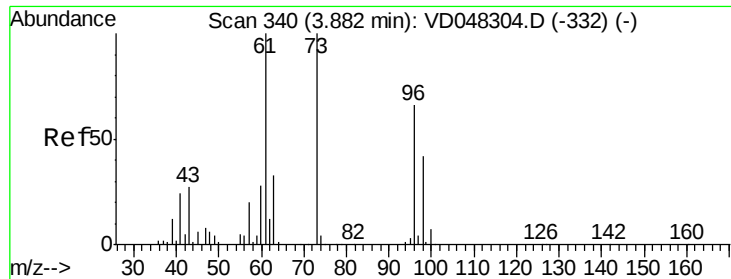
Tot Ion: 76 Resp: 113882
Ion Ratio Lower Upper
76 100
78 7.9 7.1 10.7



#18
Methyl Acetate
Concen: 22.11 ug/l
RT: 3.30 min Scan# 281
Delta R.T. -0.02 min
Lab File: VD048320.D
Acq: 6 Jan 2016 14:27

Tgt Ion: 43 Resp: 30123
Ion Ratio Lower Upper
43 100
74 24.7 15.2 22.8#



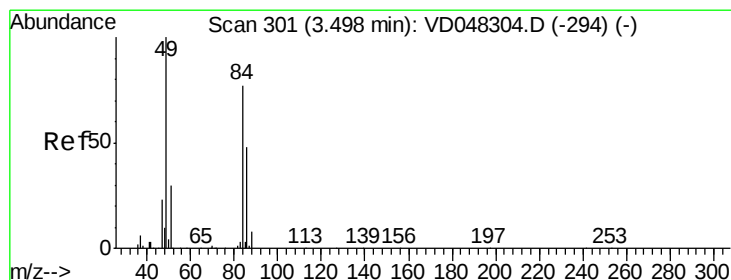
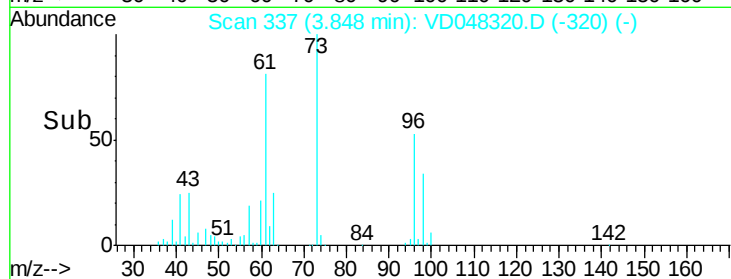
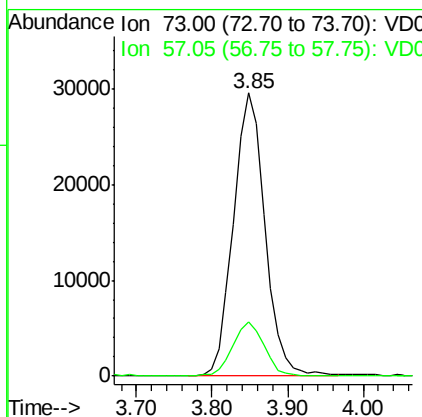
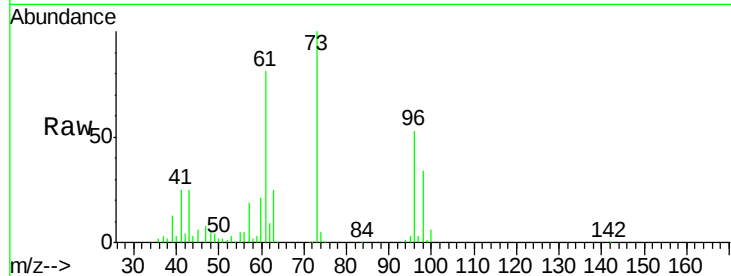


#19

Methyl tert-butyl Ether
 Concen: 20.48 ug/l
 RT: 3.85 min Scan# 337
 Delta R.T. -0.03 min
 Lab File: VD048320.D
 Acq: 6 Jan 2016 14:27

Instrument :
 BNA_F
 ClientSampleId :

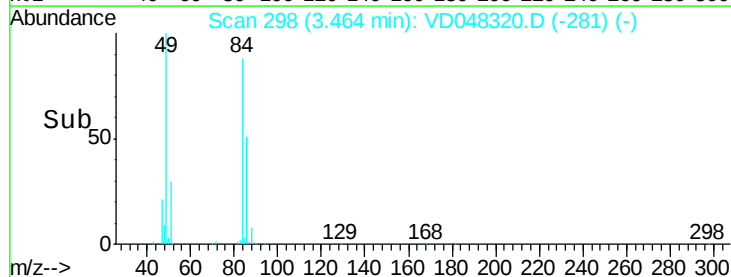
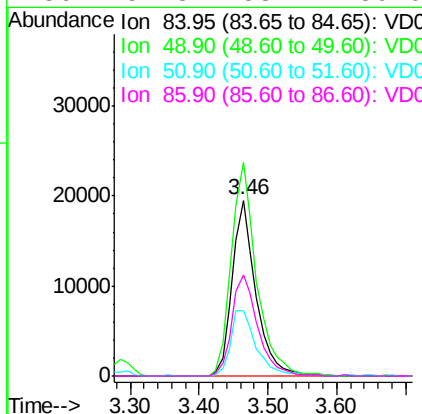
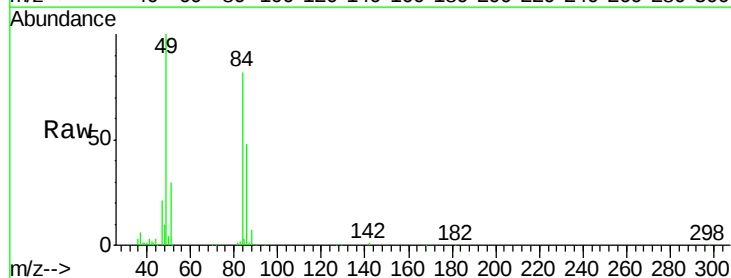
Tot Ion: 73 Resp: 85360
 Ion Ratio Lower Upper
 73 100
 57 19.1 15.1 22.7

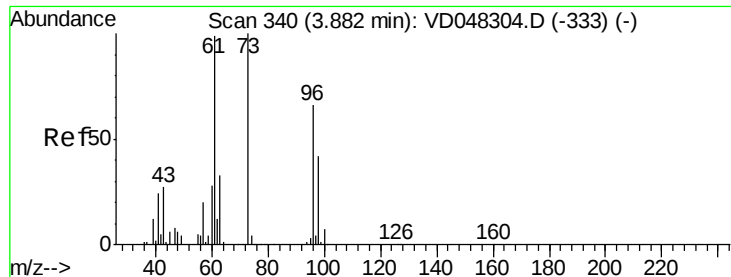


#20

Methylene Chloride
 Concen: 18.07 ug/l
 RT: 3.46 min Scan# 298
 Delta R.T. -0.03 min
 Lab File: VD048320.D
 Acq: 6 Jan 2016 14:27

Tgt Ion: 84 Resp: 46346
 Ion Ratio Lower Upper
 84 100
 49 121.6 106.5 159.7
 51 36.9 33.2 49.8
 86 57.8 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 17.91 ug/l

RT: 3.84 min Scan# 336

Delta R.T. -0.04 min

Lab File: VD048320.D

Acq: 6 Jan 2016 14:27

Instrument :

BNA_F

ClientSampleId :

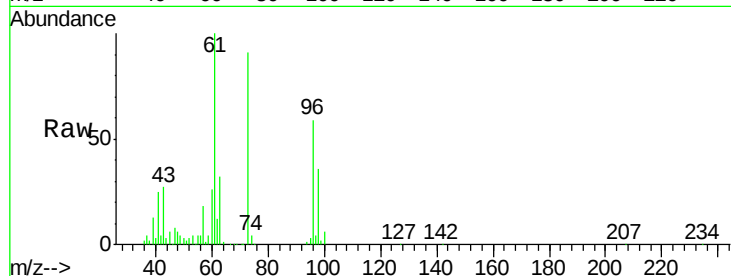
Tot Ion: 96 Resp: 38315

Ion Ratio Lower Upper

96 100

61 170.4 129.7 194.5

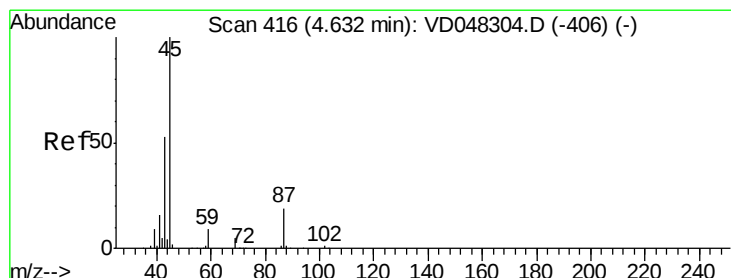
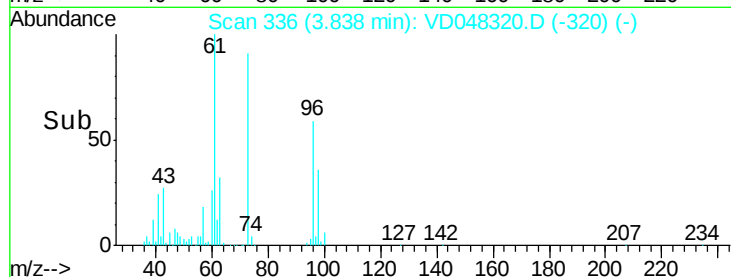
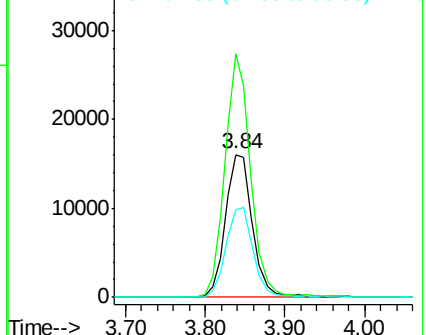
98 61.3 49.1 73.7



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 18.10 ug/l

RT: 4.60 min Scan# 413

Delta R.T. -0.03 min

Lab File: VD048320.D

Acq: 6 Jan 2016 14:27

Tgt Ion: 45 Resp: 134777

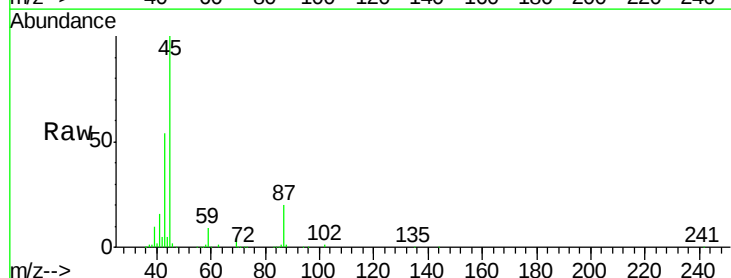
Ion Ratio Lower Upper

45 100

43 54.5 40.0 60.0

87 19.8 15.8 23.8

59 8.8 8.0 12.0

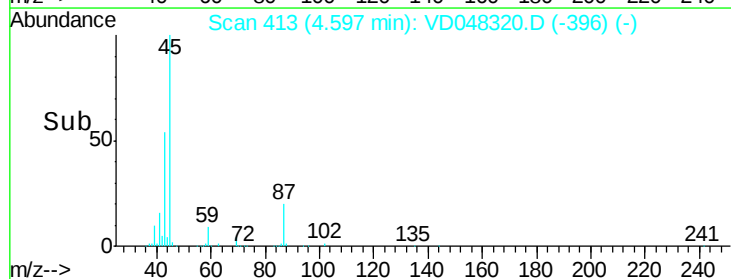
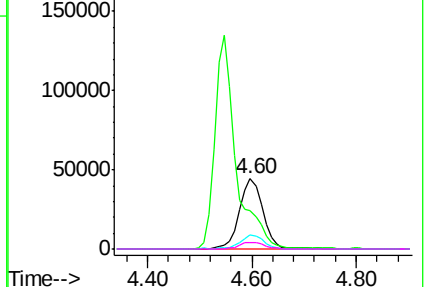


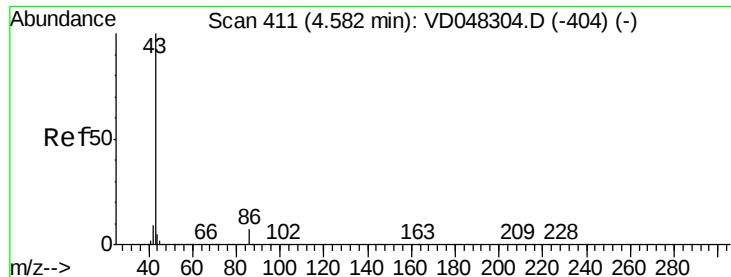
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 103.45 ug/l

RT: 4.55 min Scan# 408

Delta R.T. -0.03 min

Lab File: VD048320.D

Acq: 6 Jan 2016 14:27

Instrument :

BNA_F

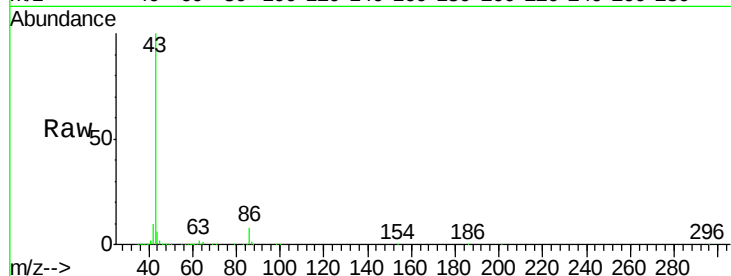
ClientSampleId :

Tot Ion: 43 Resp: 380183

Ion Ratio Lower Upper

43 100

86 8.0 6.3 9.5



Abundance Ion 42.95 (42.65 to 43.65): VD048320.D (-391) (-)

Ion 86.00 (85.70 to 86.70): VD048320.D (-391) (-)

4.55

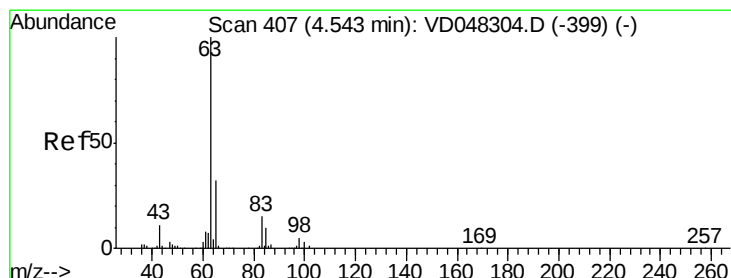
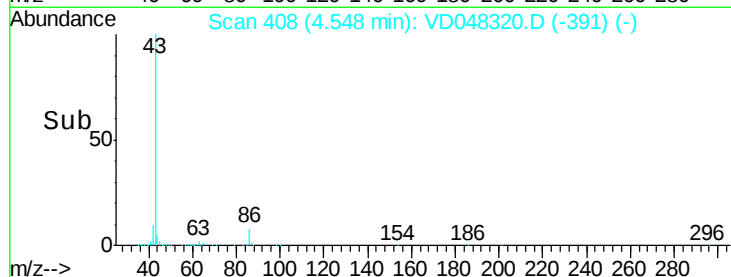
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 17.73 ug/l

RT: 4.51 min Scan# 404

Delta R.T. -0.03 min

Lab File: VD048320.D

Acq: 6 Jan 2016 14:27

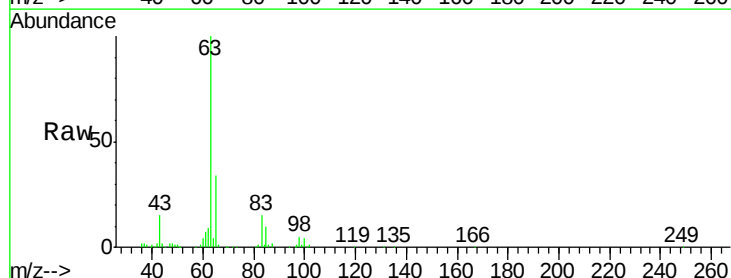
Tgt Ion: 63 Resp: 76864

Ion Ratio Lower Upper

63 100

98 4.9 2.5 7.5

100 3.8 1.6 4.7



Abundance Ion 62.95 (62.65 to 63.65): VD048320.D (-387) (-)

Ion 97.95 (97.65 to 98.65): VD048320.D (-387) (-)

Ion 99.95 (99.65 to 100.65): VD048320.D (-387) (-)

4.51

40000

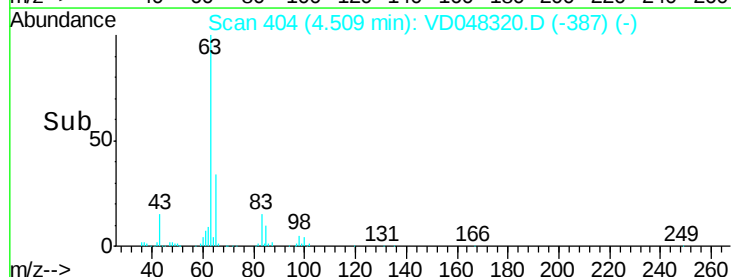
30000

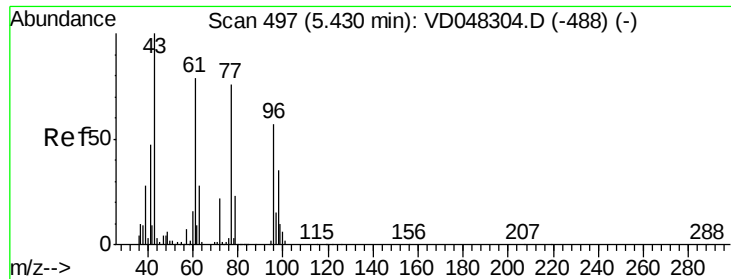
20000

10000

0

Time-->





#25

2-Butanone

Concen: 108.71 ug/l

RT: 5.40 min Scan# 494

Delta R.T. -0.03 min

Lab File: VD048320.D

Acq: 6 Jan 2016 14:27

Instrument :

BNA_F

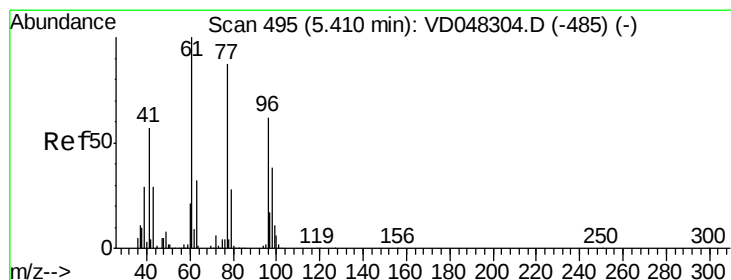
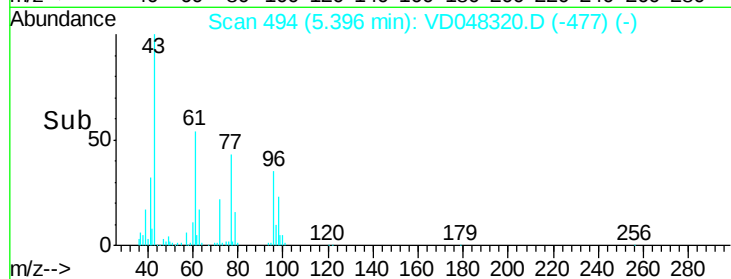
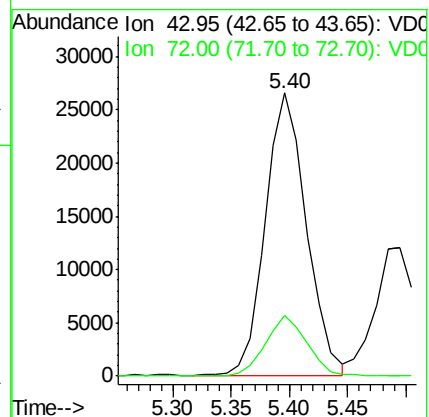
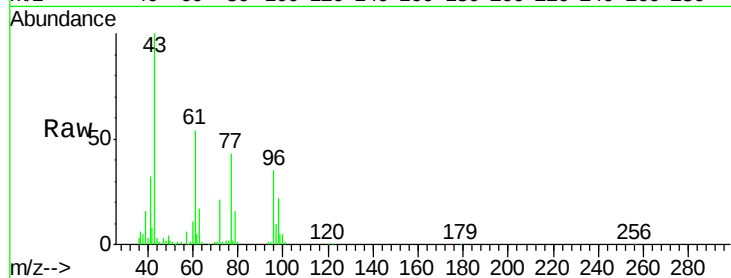
ClientSampleId :

Tot Ion: 43 Resp: 64485

Ion Ratio Lower Upper

43 100

72 21.3 17.8 26.6



#26

2,2-Dichloropropane

Concen: 17.61 ug/l

RT: 5.38 min Scan# 492

Delta R.T. -0.03 min

Lab File: VD048320.D

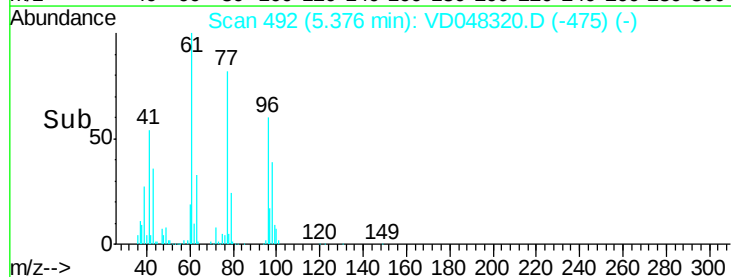
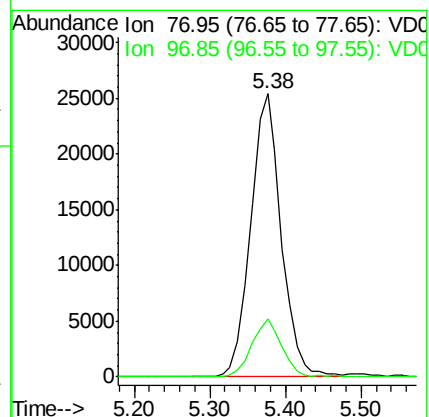
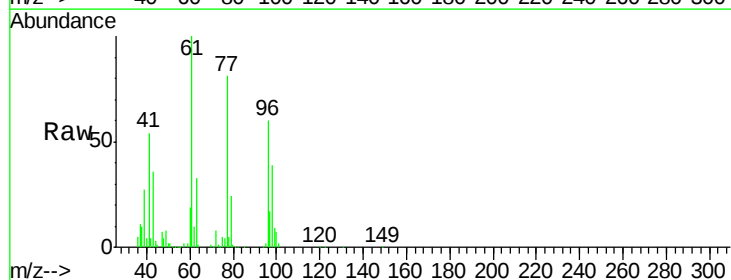
Acq: 6 Jan 2016 14:27

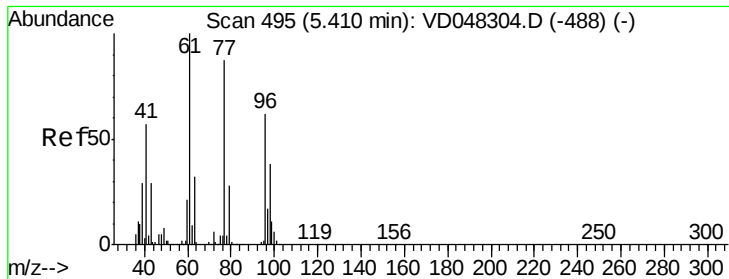
Tgt Ion: 77 Resp: 71047

Ion Ratio Lower Upper

77 100

97 20.4 10.5 31.6



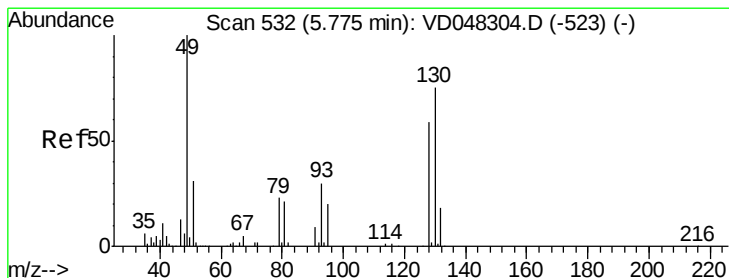
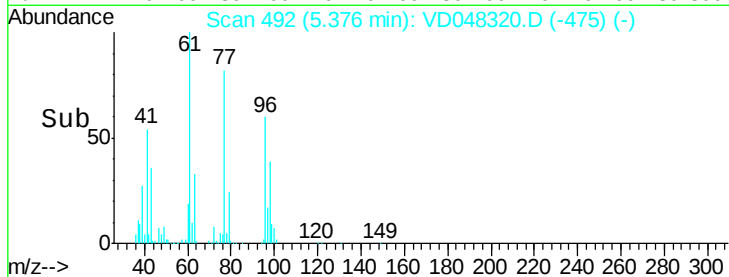
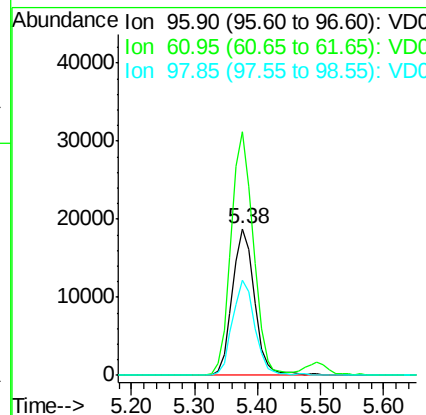
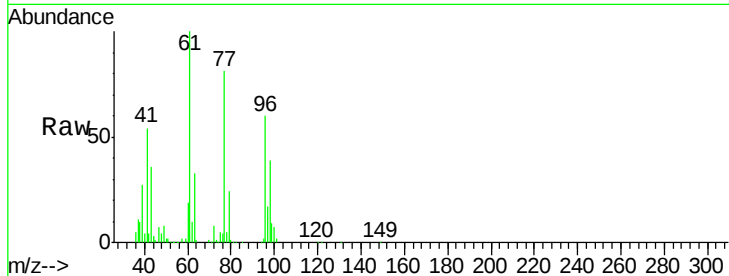


#27

cis-1,2-Dichloroethene
Concen: 18.41 ug/l
RT: 5.38 min Scan# 492
Delta R.T. -0.03 min
Lab File: VD048320.D
Acq: 6 Jan 2016 14:27

Instrument :
BNA_F
ClientSampleId :

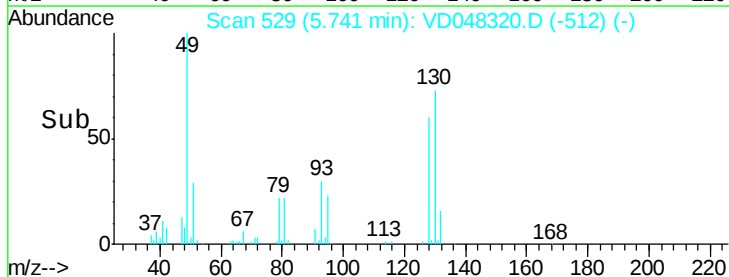
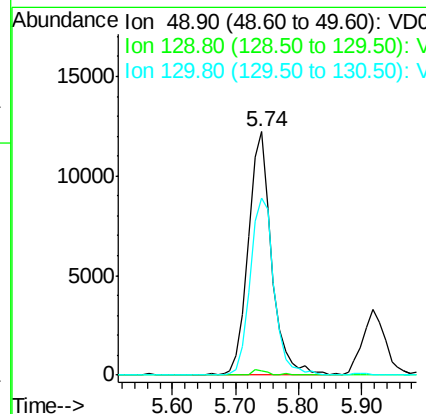
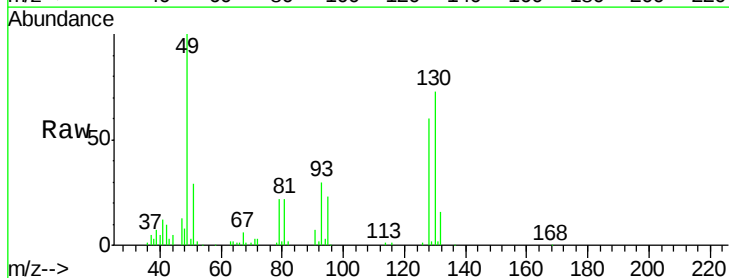
Tot Ion: 96 Resp: 45881
Ion Ratio Lower Upper
96 100
61 165.8 0.0 332.6
98 64.6 0.0 130.8

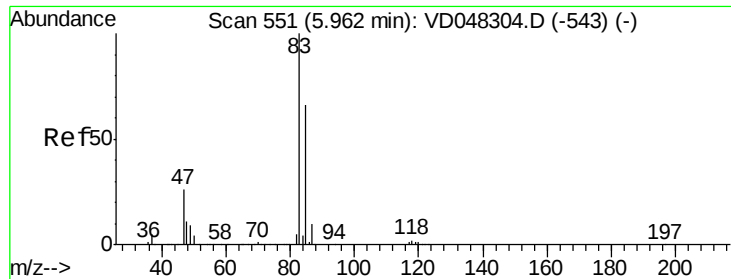


#28

Bromochloromethane
Concen: 17.34 ug/l
RT: 5.74 min Scan# 529
Delta R.T. -0.03 min
Lab File: VD048320.D
Acq: 6 Jan 2016 14:27

Tgt Ion: 49 Resp: 31304
Ion Ratio Lower Upper
49 100
129 2.0 0.0 4.2
130 72.7 62.3 93.5

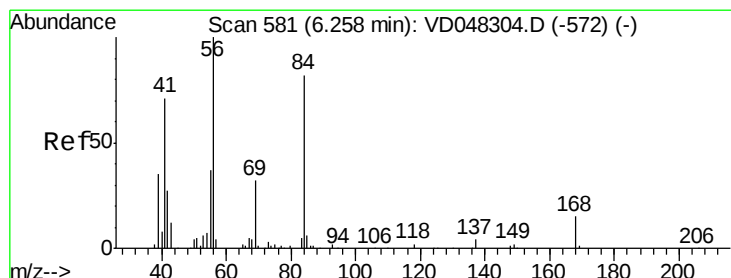
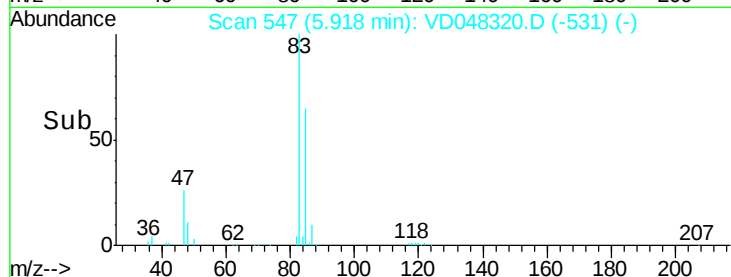
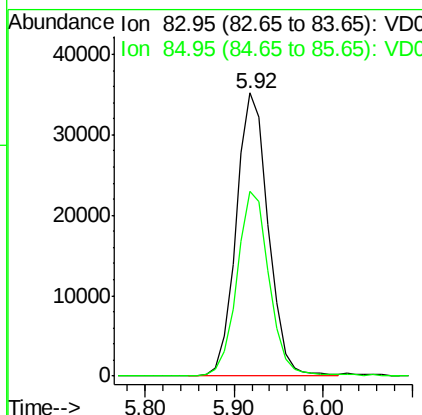
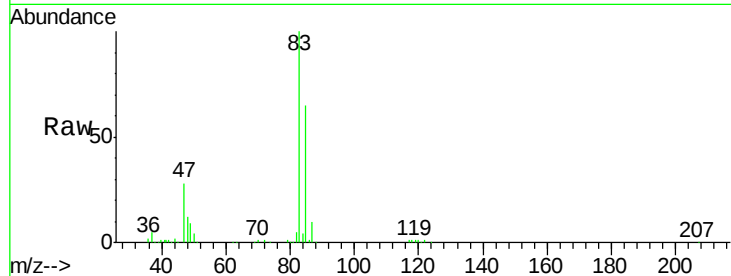




#29
Chloroform
Concen: 18.49 ug/l
RT: 5.92 min Scan# 547
Delta R.T. -0.04 min
Lab File: VD048320.D
Acq: 6 Jan 2016 14:27

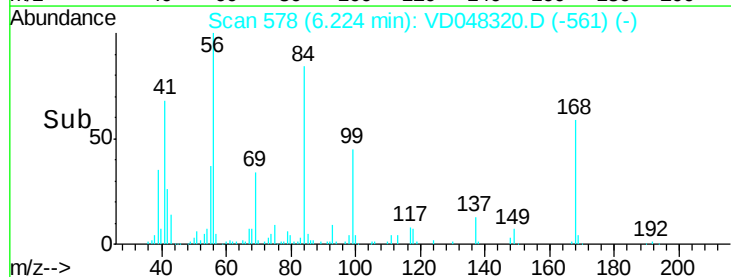
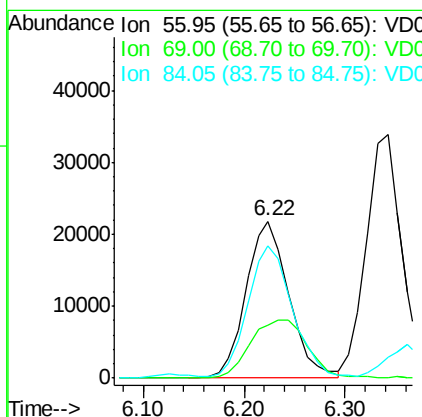
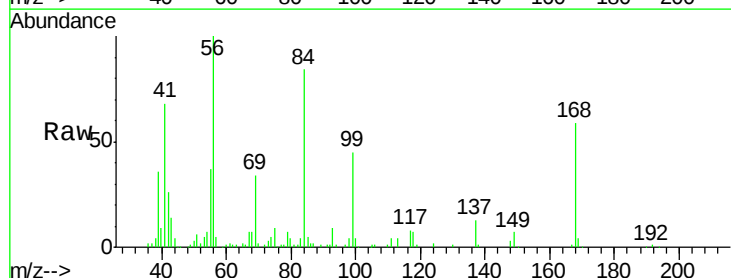
Instrument :
BNA_F
ClientSampleId :

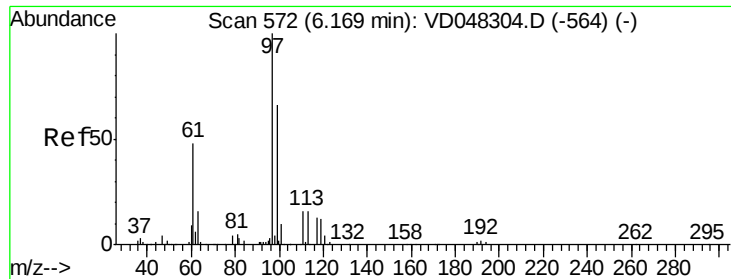
Tot Ion: 83 Resp: 88023
Ion Ratio Lower Upper
83 100
85 65.3 50.2 75.4



#30
Cyclohexane
Concen: 17.81 ug/l
RT: 6.22 min Scan# 578
Delta R.T. -0.03 min
Lab File: VD048320.D
Acq: 6 Jan 2016 14:27

Tgt Ion: 56 Resp: 64382
Ion Ratio Lower Upper
56 100
69 33.8 26.2 39.2
84 84.5 68.5 102.7





#31

1,1,1-Trichloroethane

Concen: 18.49 ug/l

RT: 6.14 min Scan# 569

Delta R.T. -0.03 min

Lab File: VD048320.D

Acq: 6 Jan 2016 14:27

Instrument :

BNA_F

ClientSampleId :

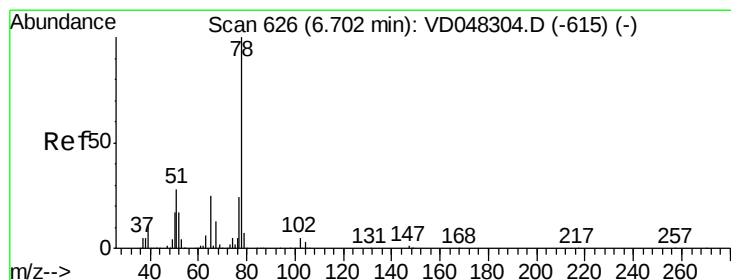
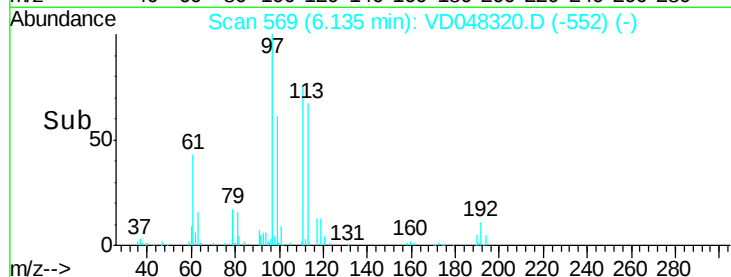
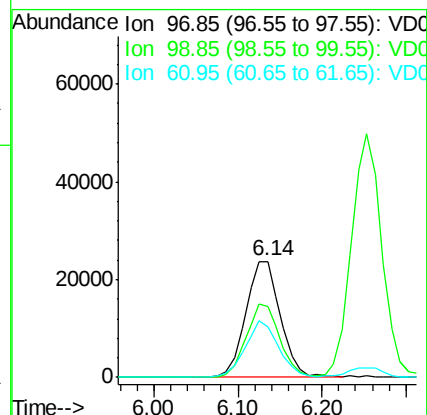
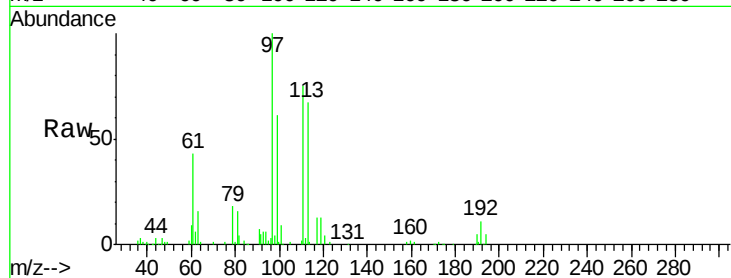
Tot Ion: 97 Resp: 68477

Ion Ratio Lower Upper

97 100

99 61.5 52.2 78.4

61 42.8 36.0 54.0



#32

1,2-Dichloroethane-d4

Concen: 18.49 ug/l

RT: 6.67 min Scan# 623

Delta R.T. -0.03 min

Lab File: VD048320.D

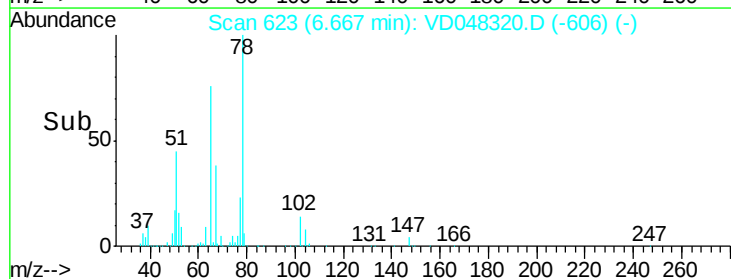
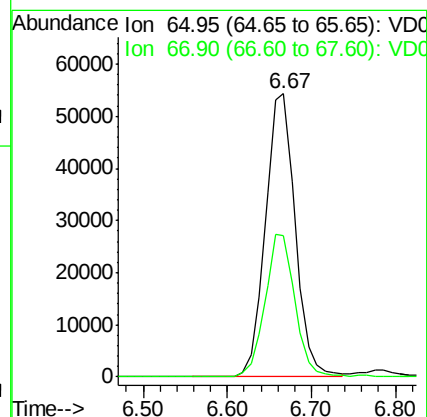
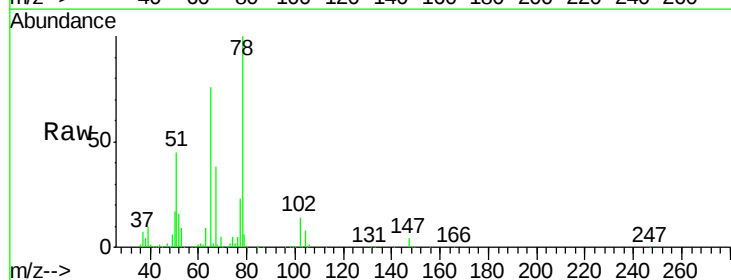
Acq: 6 Jan 2016 14:27

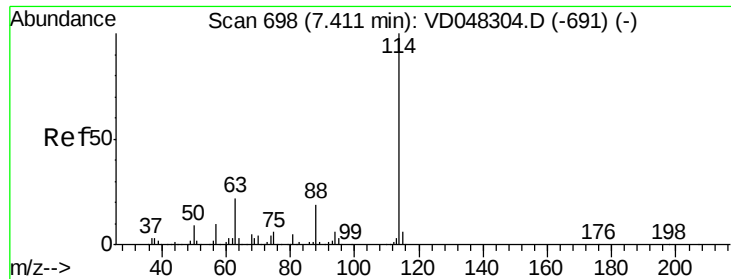
Tgt Ion: 65 Resp: 135156

Ion Ratio Lower Upper

65 100

67 50.0 0.0 106.0

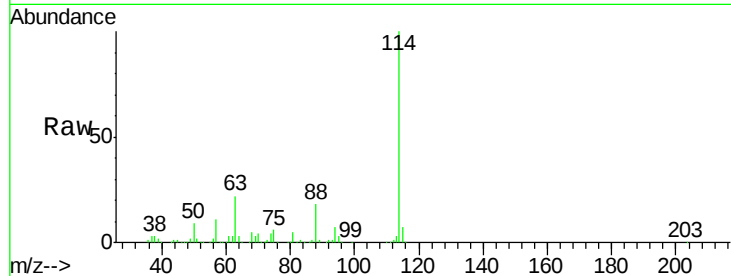




#33
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 7.38 min Scan# 695
 Delta R.T. -0.03 min
 Lab File: VD048320.D
 Acq: 6 Jan 2016 14:27

Instrument :
 BNA_F
 ClientSampleId :

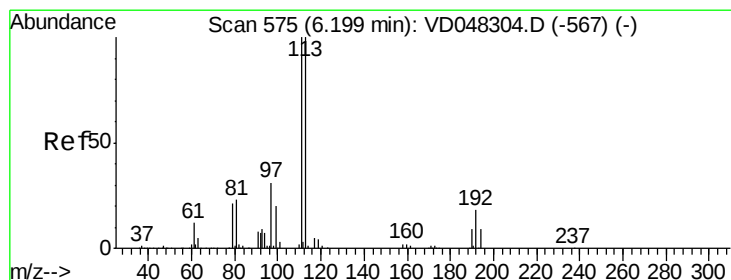
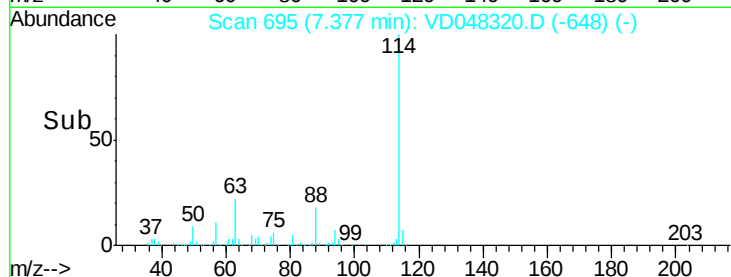
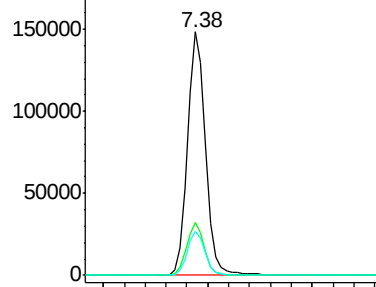
Tot Ion	Ratio	Lower	Upper
114	100		
63	21.6	0.0	39.4
88	18.1	0.0	35.6



Abundance Ion 114.00 (113.70 to 114.70): V

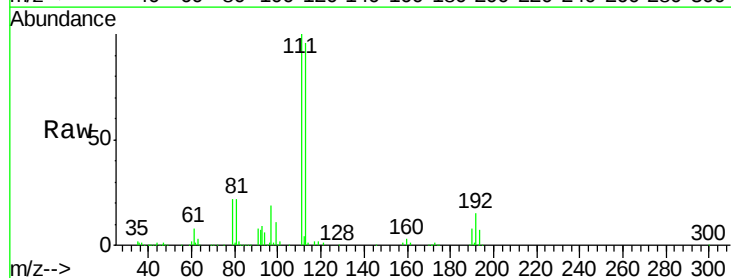
Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V



#34
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 6.15 min Scan# 571
 Delta R.T. -0.04 min
 Lab File: VD048320.D
 Acq: 6 Jan 2016 14:27

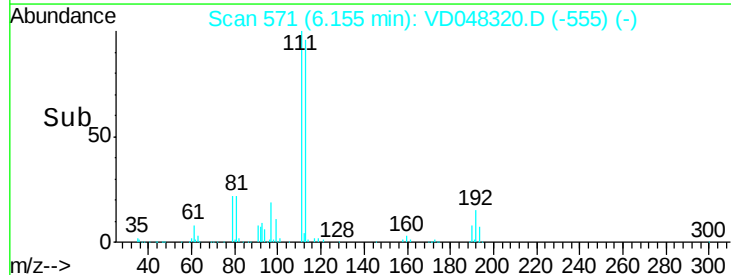
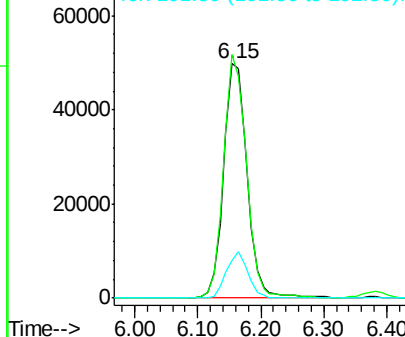
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.9	83.7	125.5
192	16.0	13.9	20.9

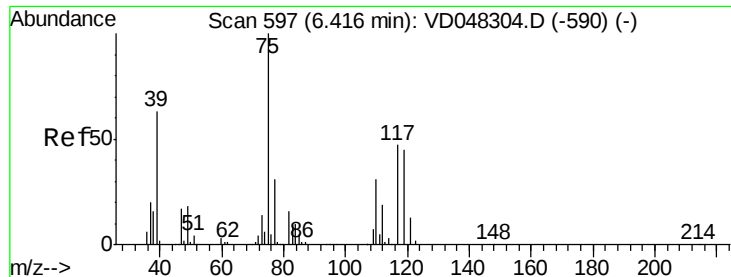


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V





#35

1,1-Dichloropropene

Concen: 19.07 ug/l

RT: 6.38 min Scan# 594

Delta R.T. -0.03 min

Lab File: VD048320.D

Acq: 6 Jan 2016 14:27

Instrument :

BNA_F

ClientSampleId :

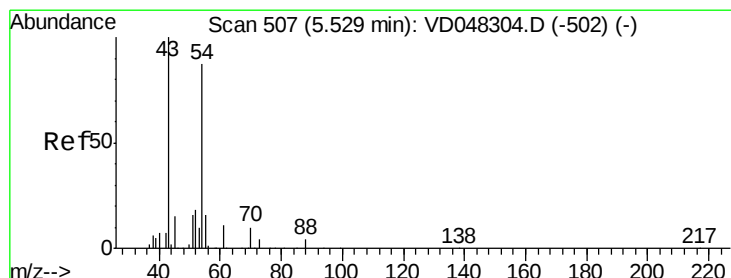
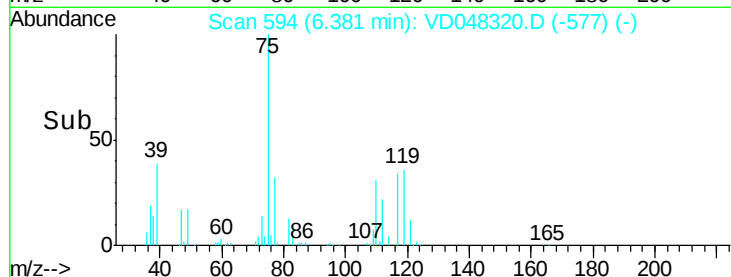
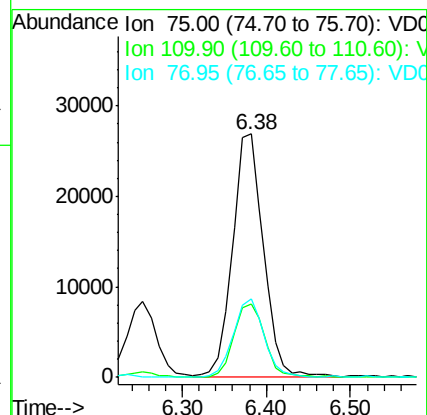
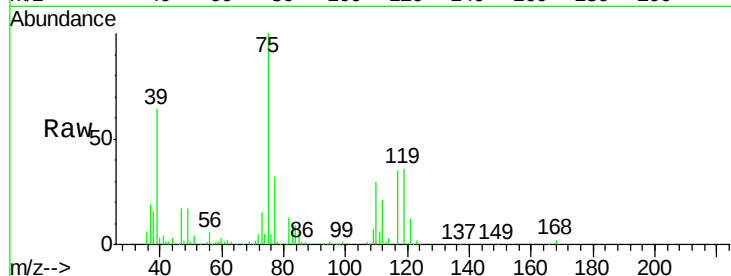
Tot Ion: 75 Resp: 67705

Ion Ratio Lower Upper

75 100

110 30.3 15.6 46.8

77 32.0 24.2 36.2



#36

Ethyl Acetate

Concen: 20.98 ug/l

RT: 5.49 min Scan# 504

Delta R.T. -0.03 min

Lab File: VD048320.D

Acq: 6 Jan 2016 14:27

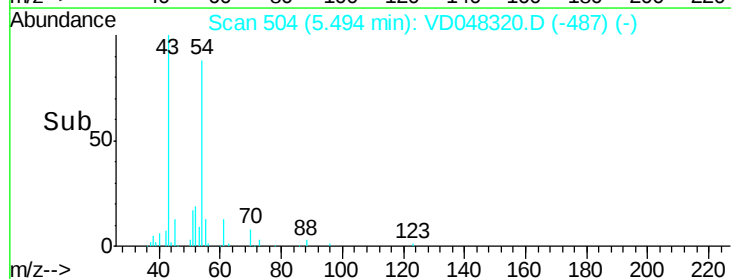
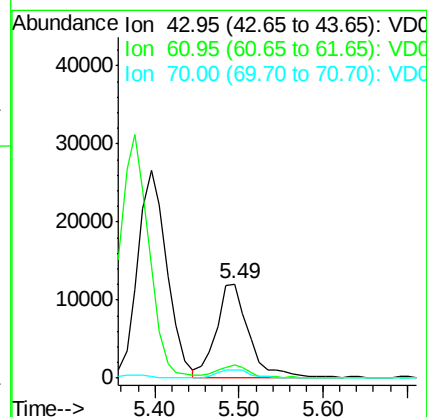
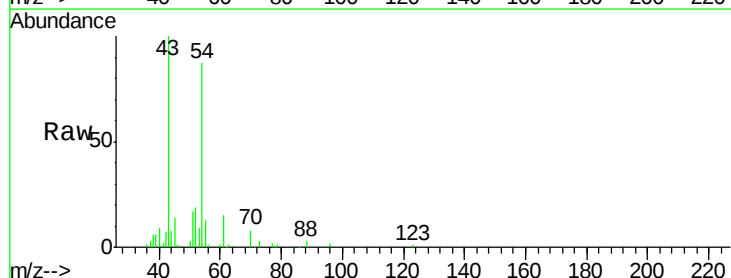
Tgt Ion: 43 Resp: 32899

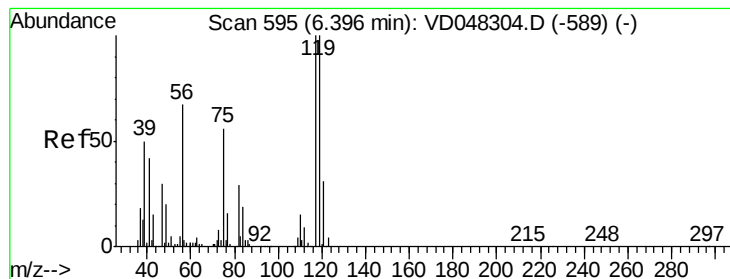
Ion Ratio Lower Upper

43 100

61 14.6 10.2 15.2

70 8.2 7.8 11.8





#37

Carbon Tetrachloride

Concen: 18.48 ug/l

RT: 6.36 min Scan# 592

Delta R.T. -0.03 min

Lab File: VD048320.D

Acq: 6 Jan 2016 14:27

Instrument :

BNA_F

ClientSampleId :

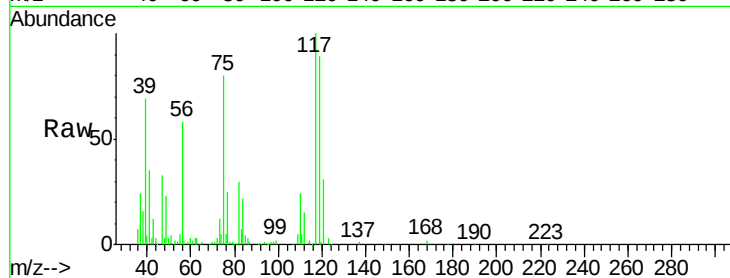
Tot Ion:117 Resp: 58417

Ion Ratio Lower Upper

117 100

119 89.4 79.8 119.8

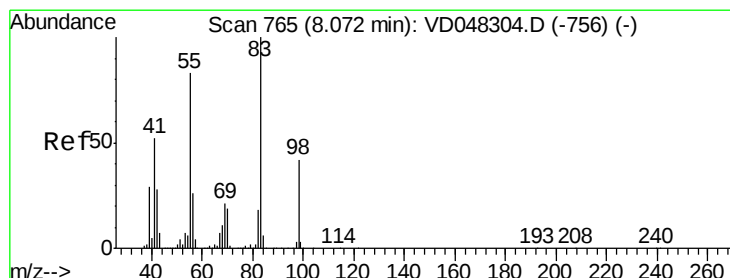
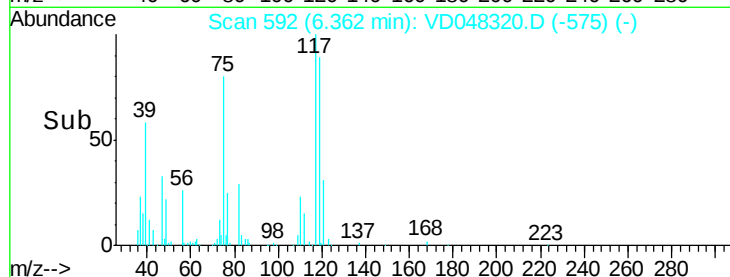
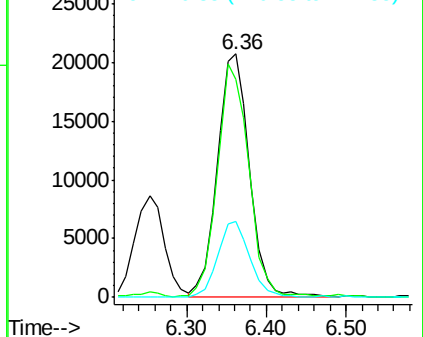
121 31.0 24.2 36.2



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: 18.08 ug/l

RT: 8.03 min Scan# 761

Delta R.T. -0.04 min

Lab File: VD048320.D

Acq: 6 Jan 2016 14:27

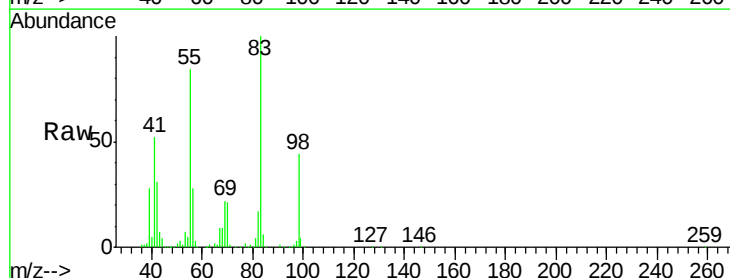
Tgt Ion: 83 Resp: 69065

Ion Ratio Lower Upper

83 100

55 84.0 72.0 108.0

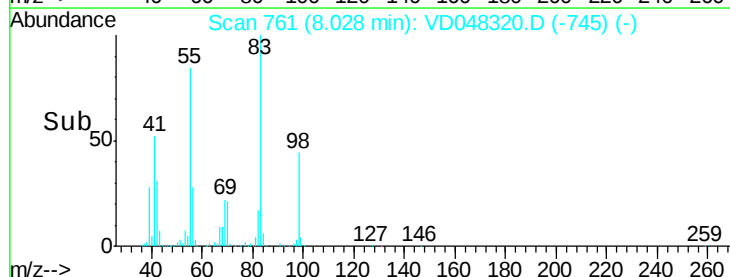
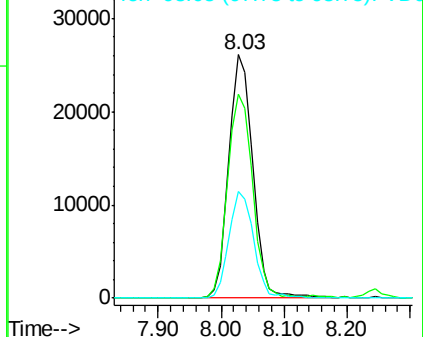
98 44.0 35.3 52.9

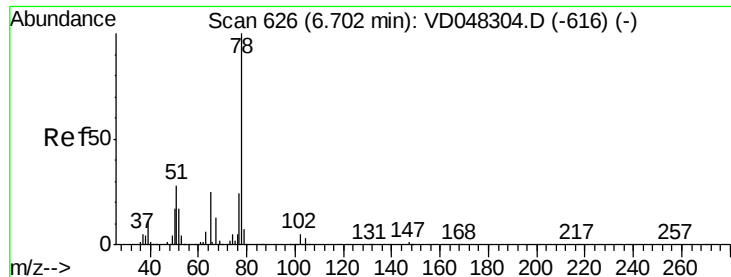


Abundance Ion 83.05 (82.75 to 83.75): V

Ion 55.00 (54.70 to 55.70): V

Ion 98.05 (97.75 to 98.75): V





#39

Benzene

Concen: 18.80 ug/l

RT: 6.67 min Scan# 623

Delta R.T. -0.03 min

Lab File: VD048320.D

Acq: 6 Jan 2016 14:27

Instrument :

BNA_F

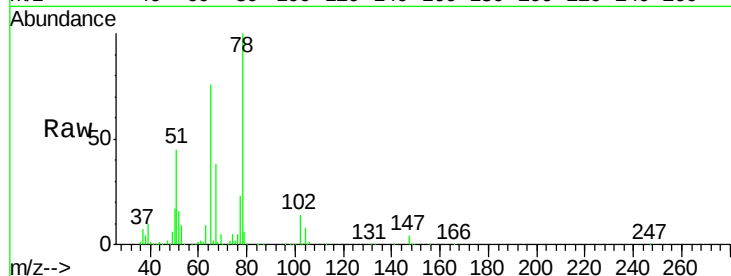
ClientSampleId :

Tot Ion: 78 Resp: 177947

Ion Ratio Lower Upper

78 100

77 23.3 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

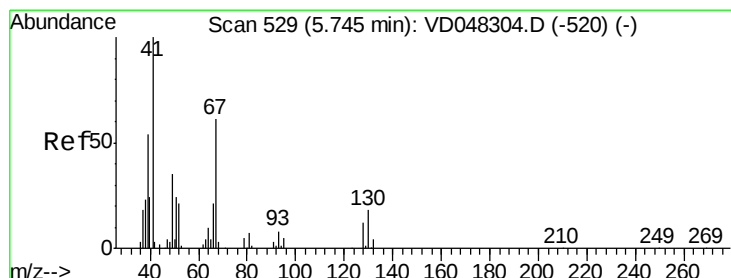
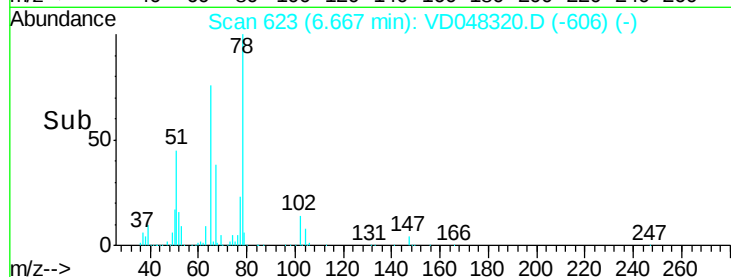
40000

20000

0

Time-->

6.50 6.60 6.70 6.80 6.90



#40

Methacrylonitrile

Concen: 20.81 ug/l

RT: 5.70 min Scan# 525

Delta R.T. -0.04 min

Lab File: VD048320.D

Acq: 6 Jan 2016 14:27

Tgt Ion: 41 Resp: 19125

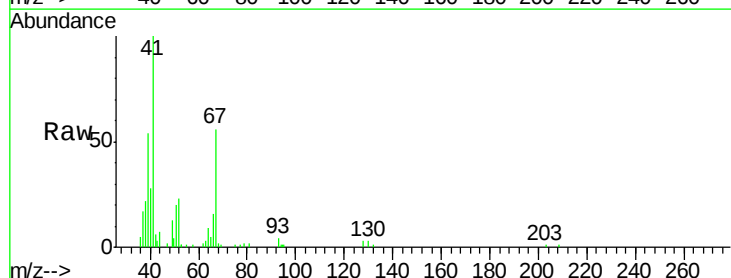
Ion Ratio Lower Upper

41 100

39 53.7 41.2 61.8

67 56.1 47.0 70.6

52 23.4 18.9 28.3



Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

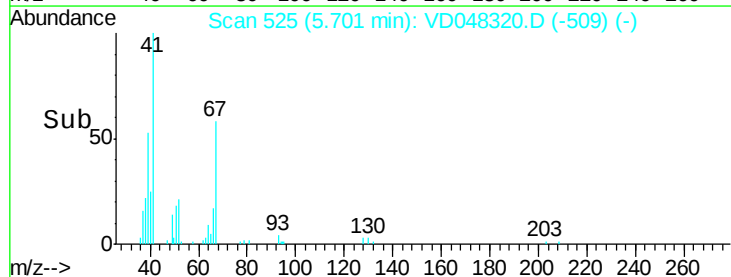
10000

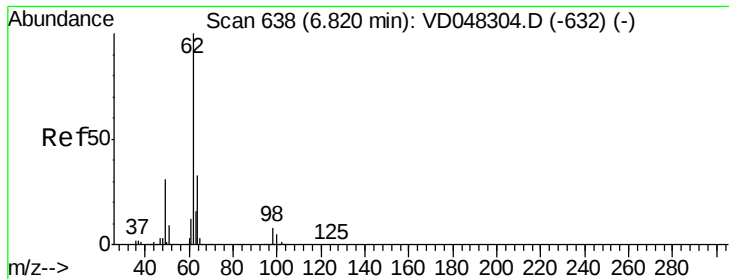
5000

0

Time-->

5.60 5.65 5.70 5.75





#41

1,2-Dichloroethane

Concen: 20.69 ug/l

RT: 6.78 min Scan# 634

Delta R.T. -0.04 min

Lab File: VD048320.D

Acq: 6 Jan 2016 14:27

Instrument :

BNA_F

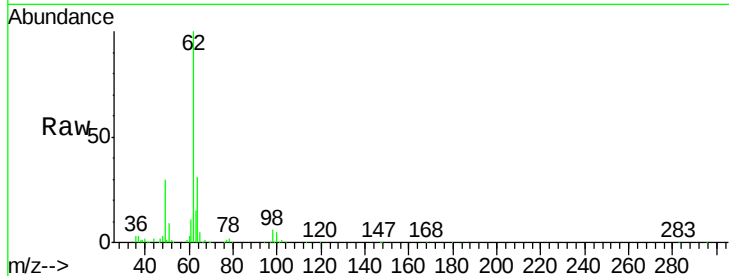
ClientSampled :

Tot Ion: 62 Resp: 61496

Ion Ratio Lower Upper

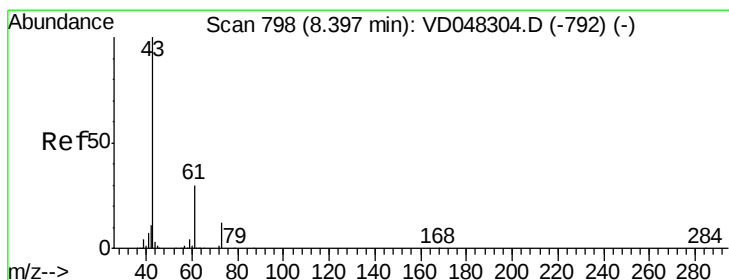
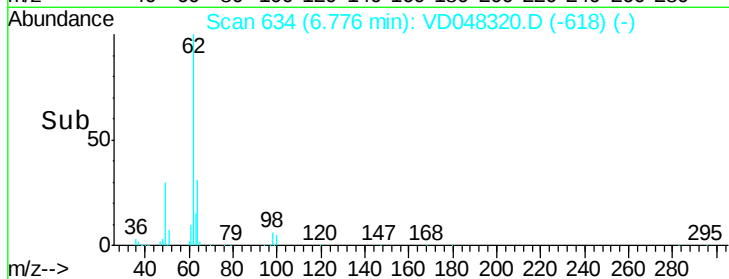
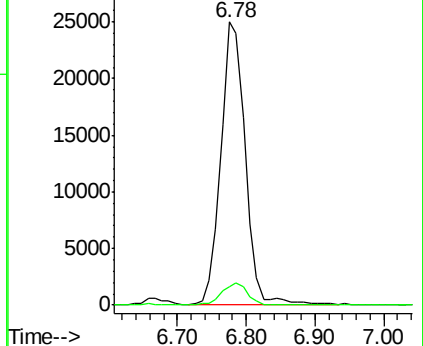
62 100

98 6.4 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: 21.52 ug/l

RT: 8.36 min Scan# 795

Delta R.T. -0.03 min

Lab File: VD048320.D

Acq: 6 Jan 2016 14:27

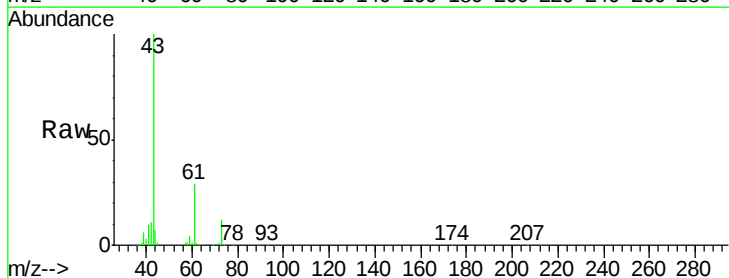
Tgt Ion: 43 Resp: 47950

Ion Ratio Lower Upper

43 100

61 29.4 23.8 35.8

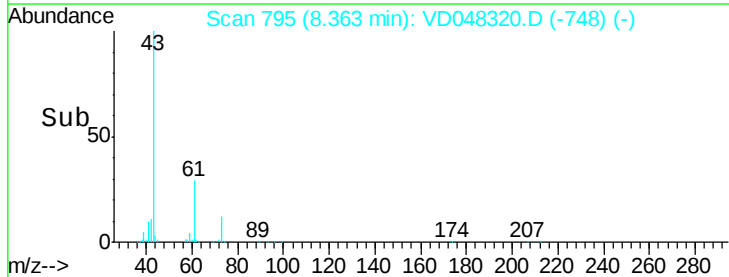
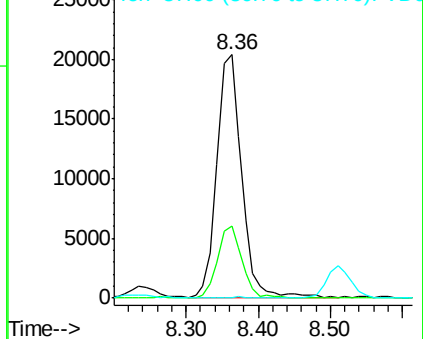
87 0.0 0.3 0.5#

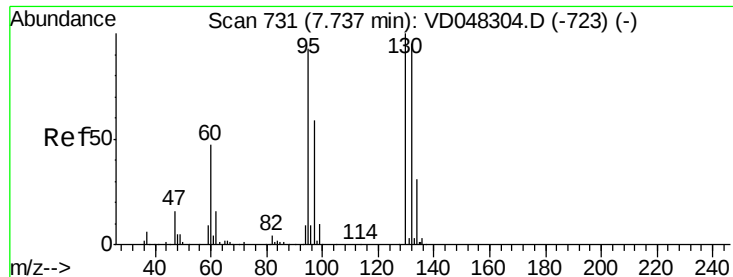


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC





#43

Trichloroethene

Concen: 19.04 ug/l

RT: 7.70 min Scan# 728

Delta R.T. -0.03 min

Lab File: VD048320.D

Acq: 6 Jan 2016 14:27

Instrument :

BNA_F

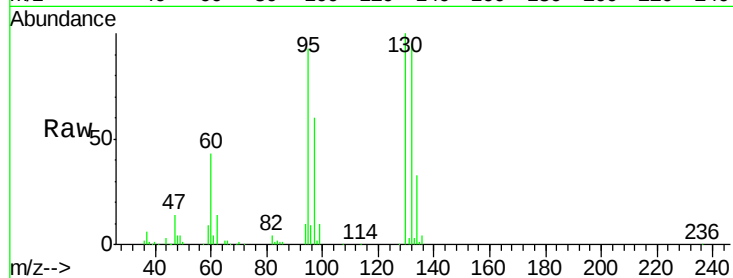
ClientSampleId :

Tot Ion:130 Resp: 50773

Ion Ratio Lower Upper

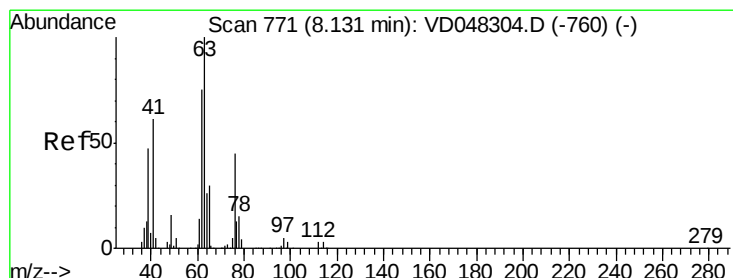
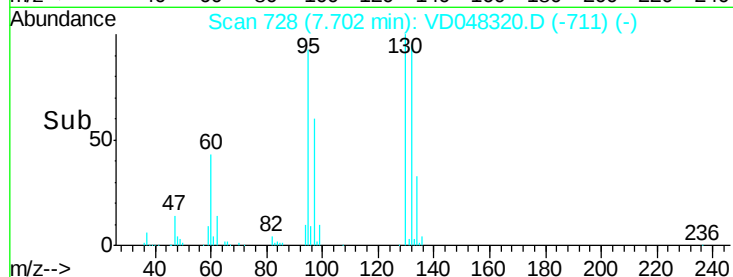
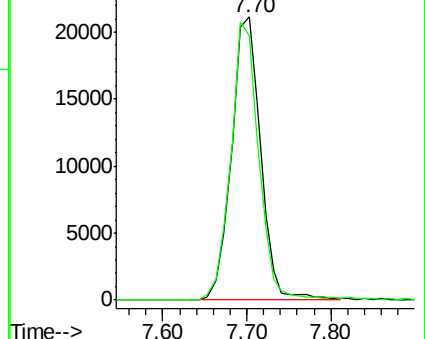
130 100

95 93.3 0.0 190.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC



#44

1,2-Dichloropropane

Concen: 19.30 ug/l

RT: 8.10 min Scan# 768

Delta R.T. -0.03 min

Lab File: VD048320.D

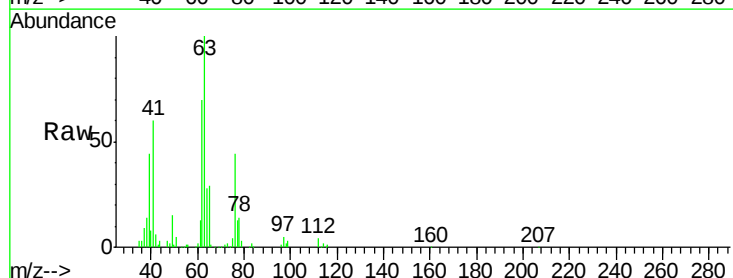
Acq: 6 Jan 2016 14:27

Tgt Ion: 63 Resp: 50684

Ion Ratio Lower Upper

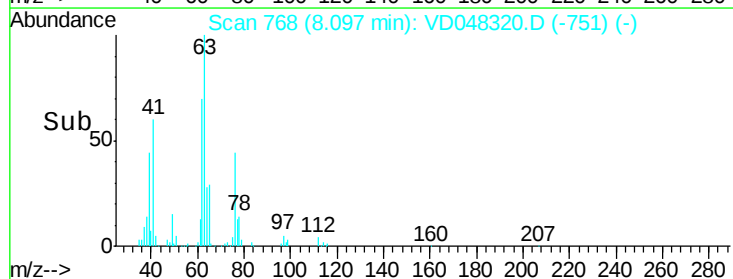
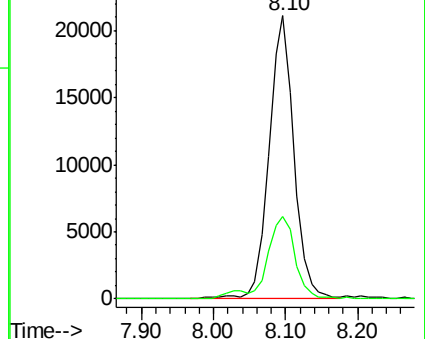
63 100

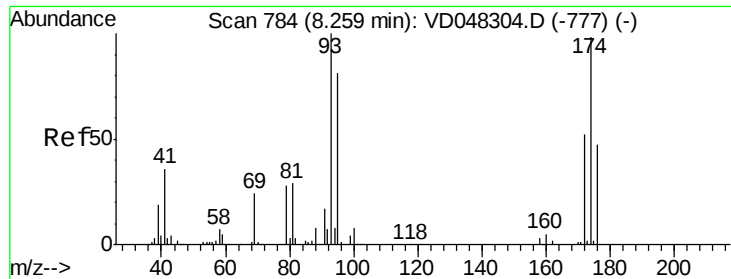
65 29.3 23.7 35.5



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC





#45

Dibromomethane

Concen: 19.71 ug/l

RT: 8.21 min Scan# 780

Delta R.T. -0.04 min

Lab File: VD048320.D

Acq: 6 Jan 2016 14:27

Instrument :

BNA_F

ClientSampleId :

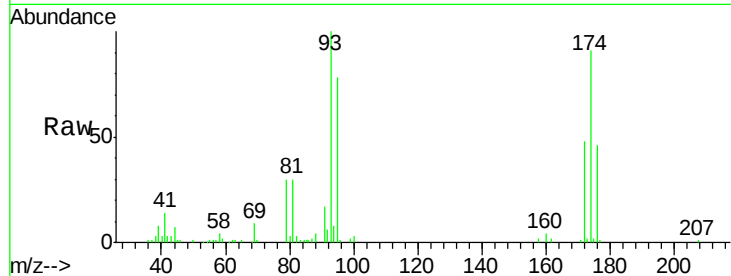
Tot Ion: 93 Resp: 28186

Ion Ratio Lower Upper

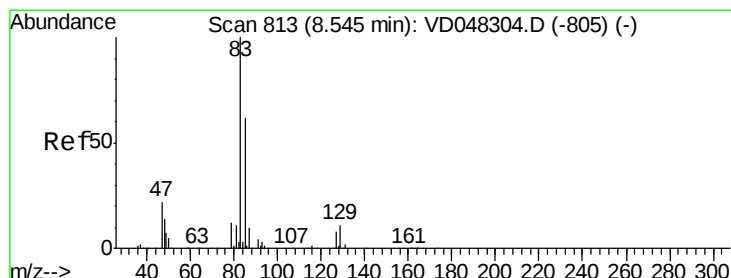
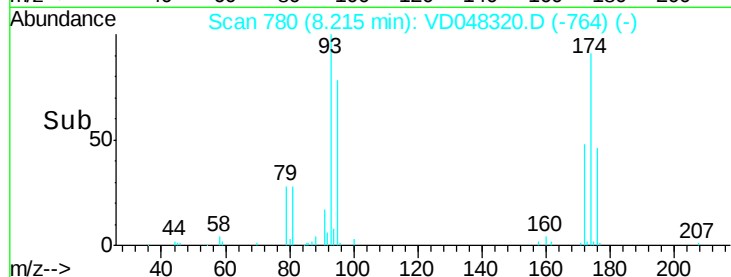
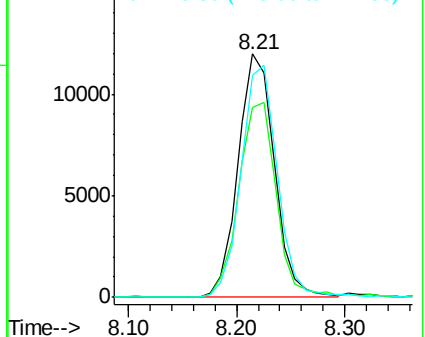
93 100

95 77.8 64.4 96.6

174 90.9 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: 19.18 ug/l

RT: 8.51 min Scan# 810

Delta R.T. -0.03 min

Lab File: VD048320.D

Acq: 6 Jan 2016 14:27

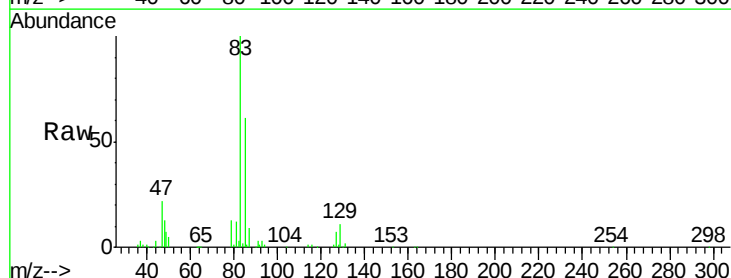
Tgt Ion: 83 Resp: 65484

Ion Ratio Lower Upper

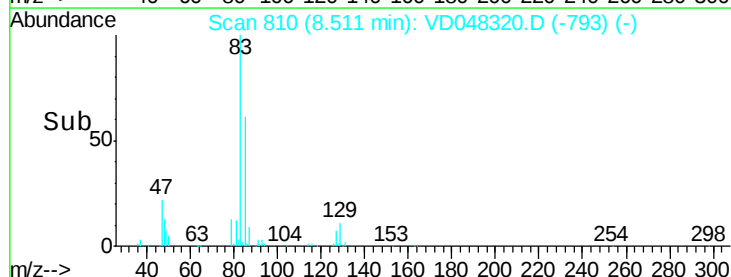
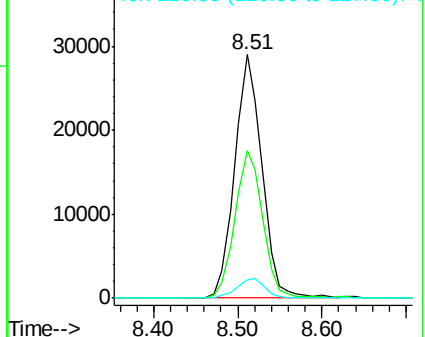
83 100

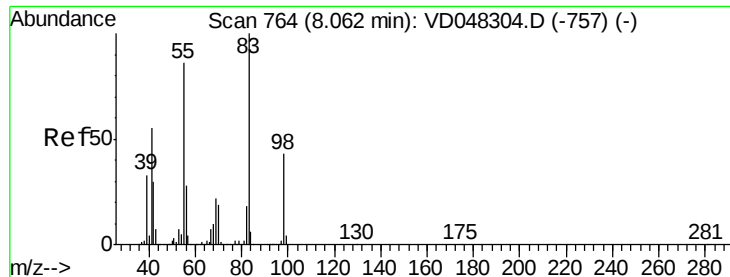
85 60.8 48.7 73.1

127 7.4 6.8 10.2



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

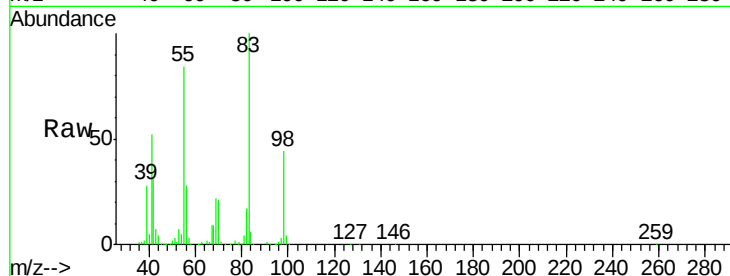




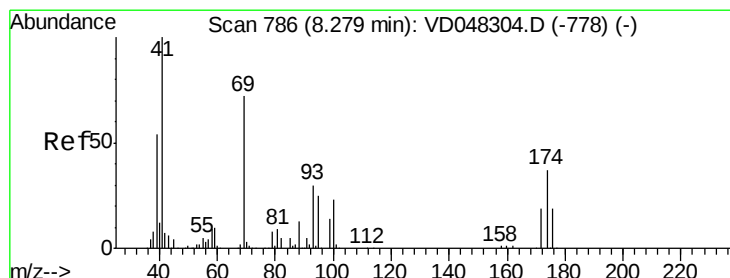
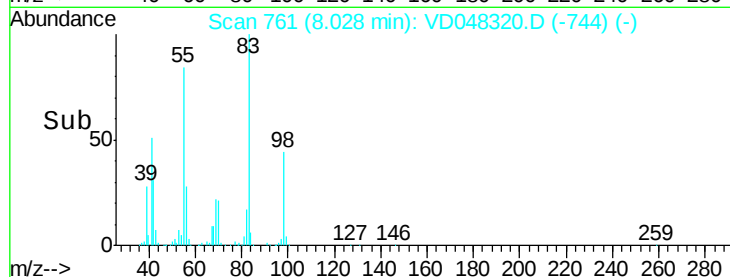
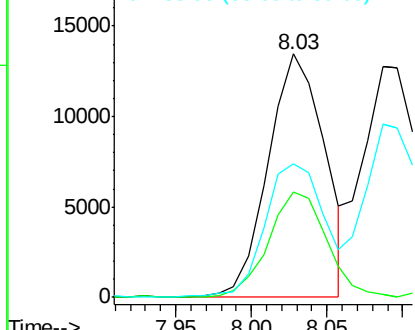
#47
Methvl methacrvlate
Concen: 16.46 ug/l
RT: 8.03 min Scan# 761
Delta R.T. -0.03 min
Lab File: VD048320.D
Acq: 6 Jan 2016 14:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 41 Resp: 34934
Ion Ratio Lower Upper
41 100
69 43.1 34.6 52.0
39 55.1 45.6 68.4

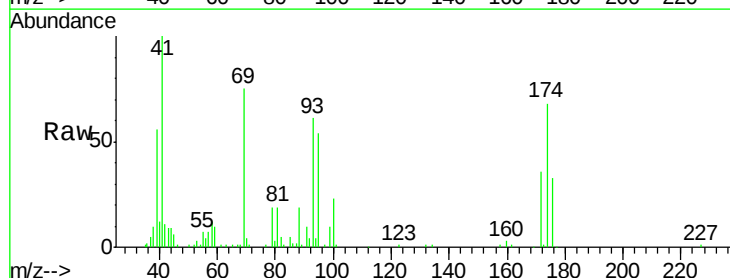


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC

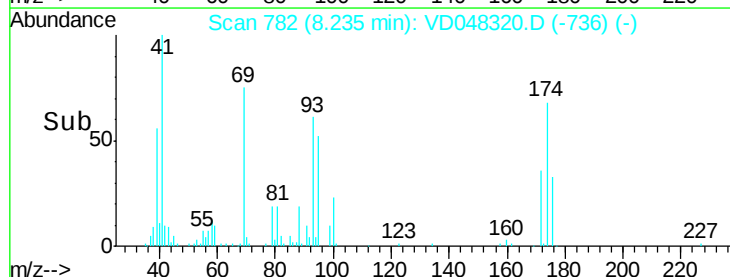
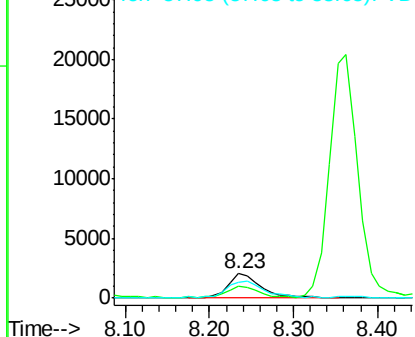


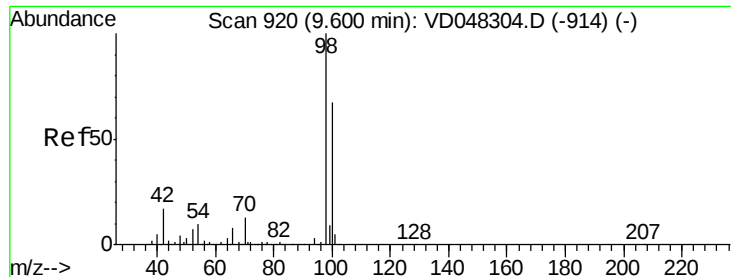
#48
1,4-Dioxane
Concen: 443.02 ug/l
RT: 8.23 min Scan# 782
Delta R.T. -0.04 min
Lab File: VD048320.D
Acq: 6 Jan 2016 14:27

Tgt Ion: 88 Resp: 5702
Ion Ratio Lower Upper
88 100
43 47.0 42.7 64.1
58 64.2 63.9 95.9



Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC





#49

Toluene-d8

Concen: 443.02 ug/l

RT: 9.57 min Scan# 917

Delta R.T. -0.03 min

Lab File: VD048320.D

Acq: 6 Jan 2016 14:27

Instrument :

BNA_F

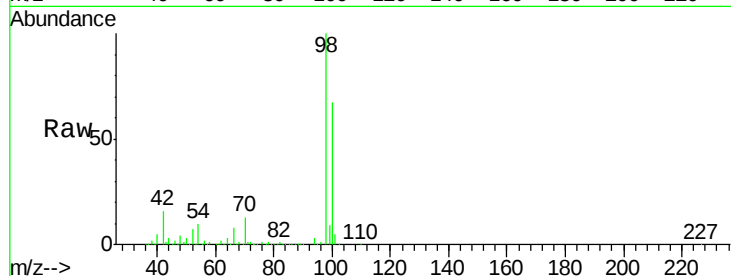
ClientSampleId :

Tot Ion: 98 Resp: 397398

Ion Ratio Lower Upper

98 100

100 67.1 55.8 83.6



Abundance Ion 98.05 (97.75 to 98.75): VD048320.D (-914) (-)

Ion 100.05 (99.75 to 100.75): VD048320.D (-914) (-)

9.57

150000

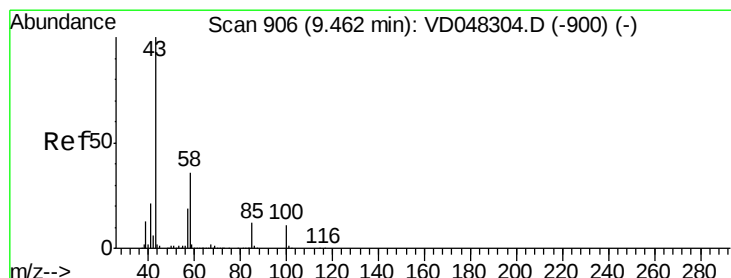
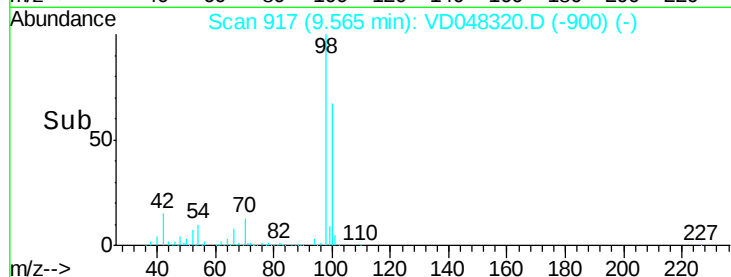
100000

50000

0

9.40 9.50 9.60 9.70

Time-->



#50

4-Methyl-2-Pentanone

Concen: 113.54 ug/l

RT: 9.43 min Scan# 903

Delta R.T. -0.03 min

Lab File: VD048320.D

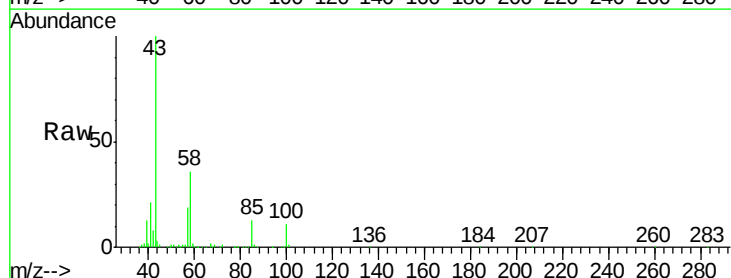
Acq: 6 Jan 2016 14:27

Tgt Ion: 43 Resp: 168198

Ion Ratio Lower Upper

43 100

58 36.2 28.5 42.7



Abundance Ion 42.95 (42.65 to 43.65): VD048320.D (-886) (-)

Ion 57.95 (57.65 to 58.65): VD048320.D (-886) (-)

9.43

80000

60000

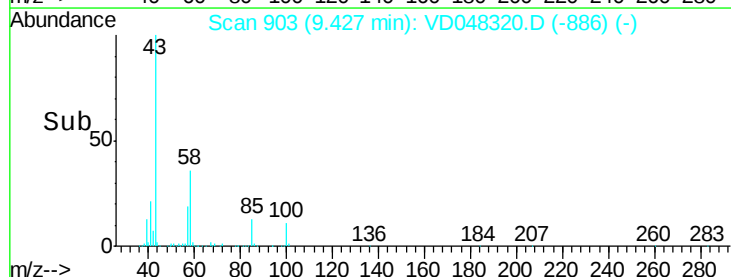
40000

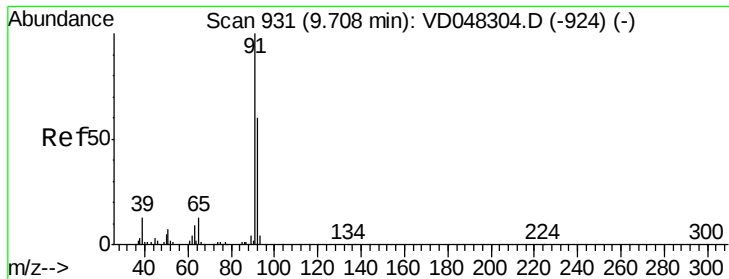
20000

0

9.30 9.40 9.50

Time-->





#51

Toluene

Concen: 19.15 ug/l

RT: 9.67 min Scan# 928

Delta R.T. -0.03 min

Lab File: VD048320.D

Acq: 6 Jan 2016 14:27

Instrument :

BNA_F

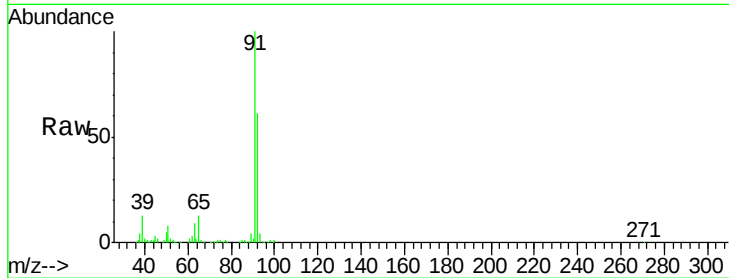
ClientSampled :

Tot Ion: 92 Resp: 110375

Ion Ratio Lower Upper

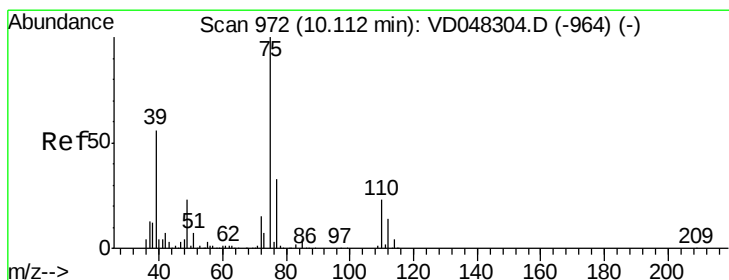
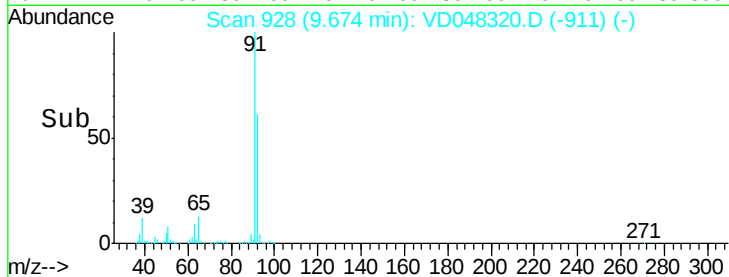
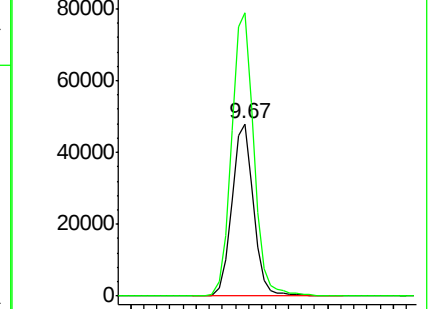
92 100

91 164.3 133.4 200.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#52

t-1,3-Dichloropropene

Concen: 19.41 ug/l

RT: 10.07 min Scan# 968

Delta R.T. -0.04 min

Lab File: VD048320.D

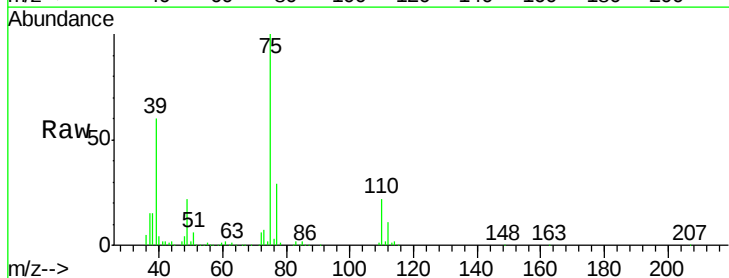
Acq: 6 Jan 2016 14:27

Tgt Ion: 75 Resp: 62483

Ion Ratio Lower Upper

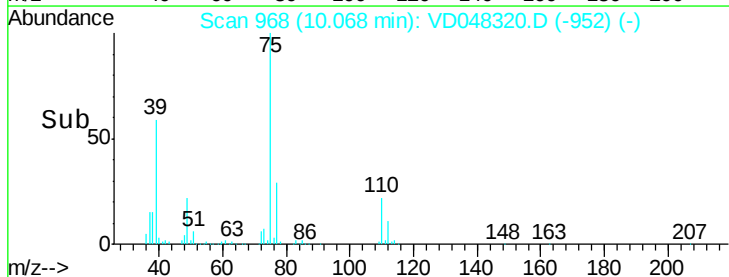
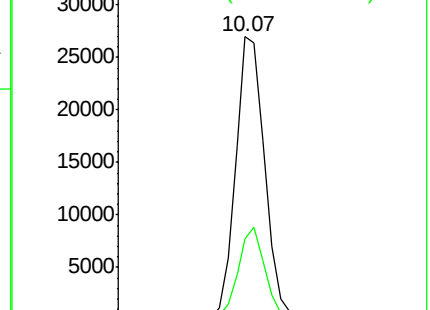
75 100

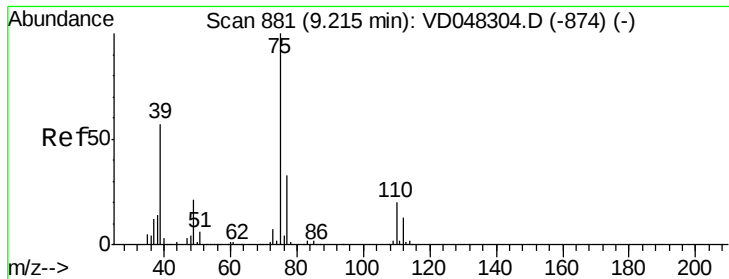
77 28.6 26.4 39.6



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#53

cis-1,3-Dichloropropene

Concen: 19.22 ug/l

RT: 9.18 min Scan# 878

Delta R.T. -0.03 min

Lab File: VD048320.D

Acq: 6 Jan 2016 14:27

Instrument :

BNA_F

ClientSampleId :

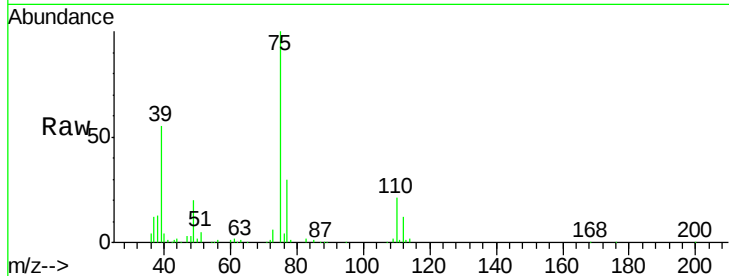
Tot Ion: 75 Resp: 78007

Ion Ratio Lower Upper

75 100

77 29.7 25.8 38.6

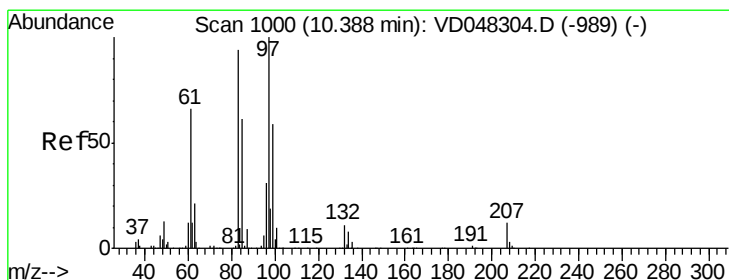
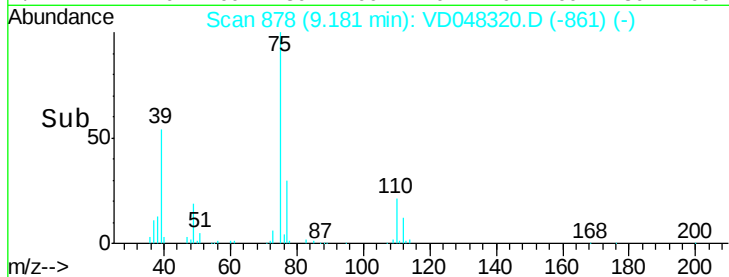
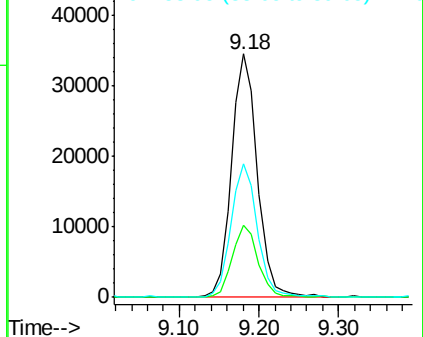
39 54.9 41.5 62.3



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC



#54

1,1,2-Trichloroethane

Concen: 20.58 ug/l

RT: 10.35 min Scan# 997

Delta R.T. -0.03 min

Lab File: VD048320.D

Acq: 6 Jan 2016 14:27

Tgt Ion: 97 Resp: 37126

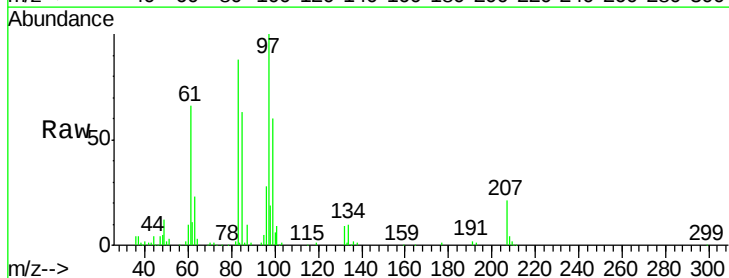
Ion Ratio Lower Upper

97 100

83 88.0 78.2 117.2

85 63.1 48.1 72.1

99 60.3 50.0 75.0

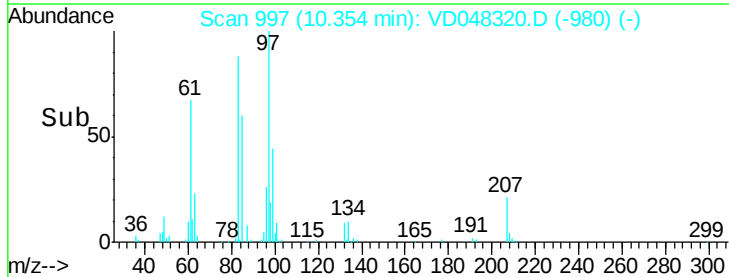
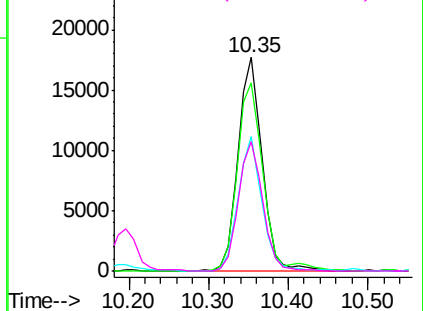


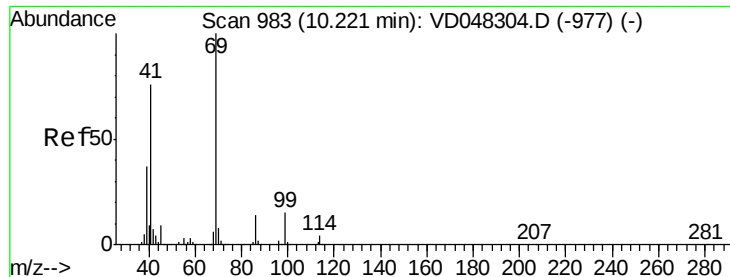
Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 21.98 ug/l

RT: 10.20 min Scan# 981

Delta R.T. -0.02 min

Lab File: VD048320.D

Acq: 6 Jan 2016 14:27

Instrument :

BNA_F

ClientSampled :

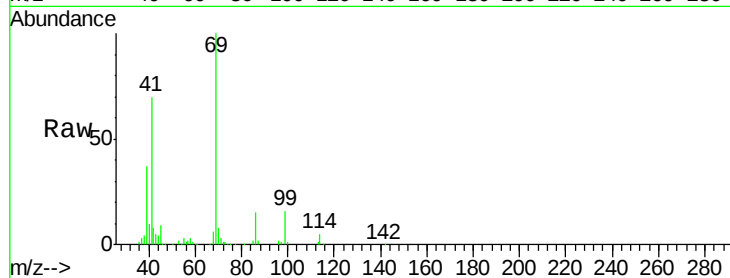
Tot Ion: 69 Resp: 47489

Ion Ratio Lower Upper

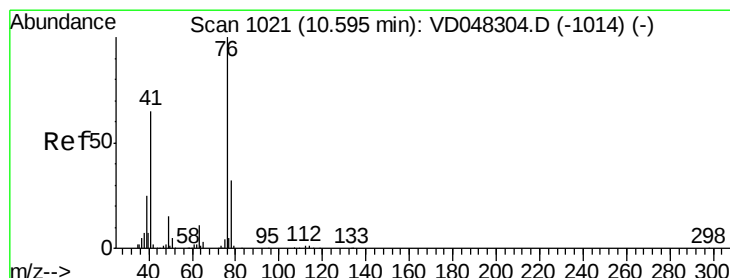
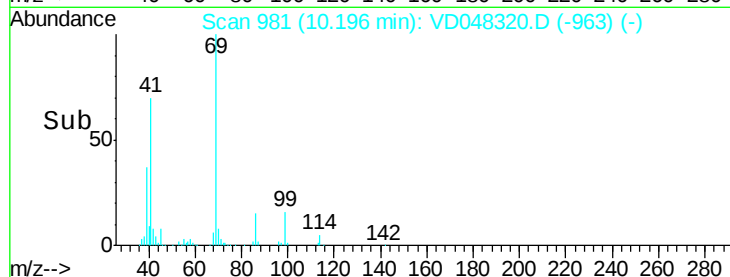
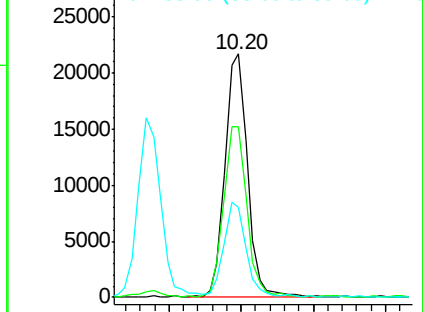
69 100

41 70.2 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: 20.28 ug/l

RT: 10.56 min Scan# 1018

Delta R.T. -0.03 min

Lab File: VD048320.D

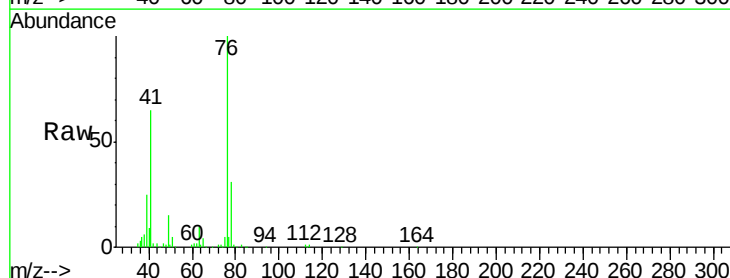
Acq: 6 Jan 2016 14:27

Tgt Ion: 76 Resp: 72929

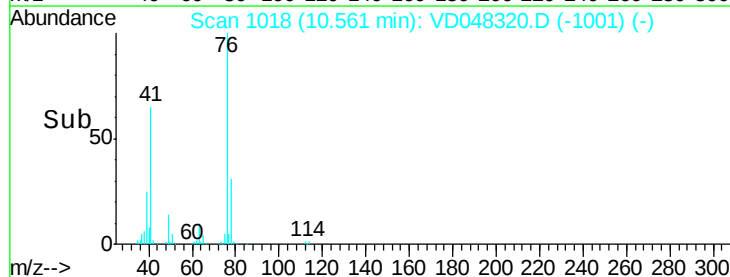
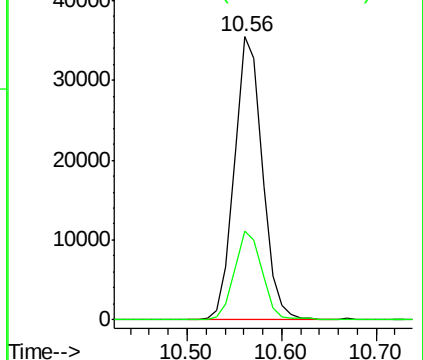
Ion Ratio Lower Upper

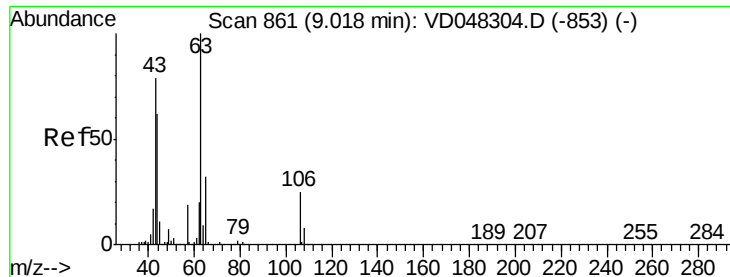
76 100

78 31.4 25.8 38.8



Abundance Ion 75.95 (75.65 to 76.65): VDC
Ion 77.95 (77.65 to 78.65): VDC





#57

2-Chloroethyl Vinyl ether

Concen: 95.46 ug/l

RT: 8.98 min Scan# 858

Delta R.T. -0.03 min

Lab File: VD048320.D

Acq: 6 Jan 2016 14:27

Instrument :

BNA_F

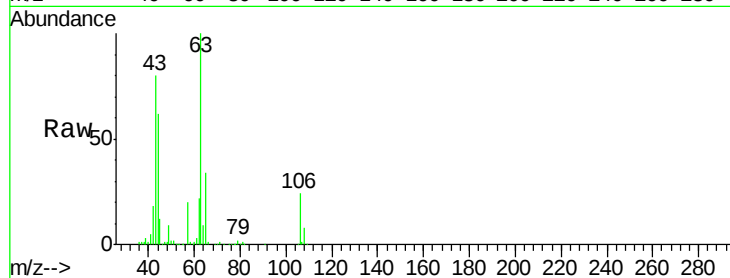
ClientSampleId :

Tot Ion: 63 Resp: 123199

Ion Ratio Lower Upper

63 100

106 24.4 18.7 28.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

8.98

60000

50000

40000

30000

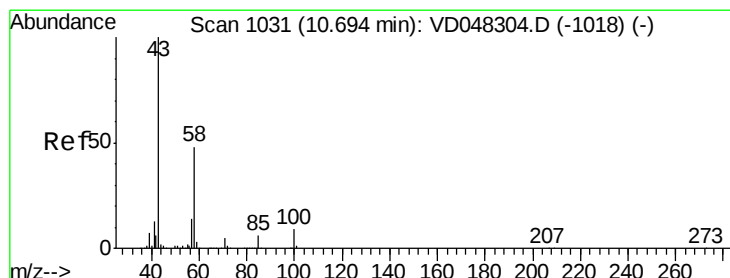
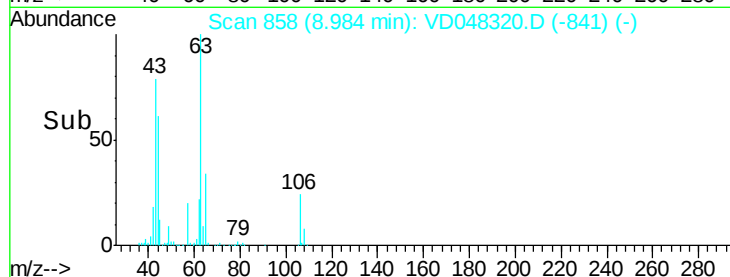
20000

10000

0

8.90 9.00 9.10

Time-->



#58

2-Hexanone

Concen: 118.13 ug/l

RT: 10.66 min Scan# 1028

Delta R.T. -0.03 min

Lab File: VD048320.D

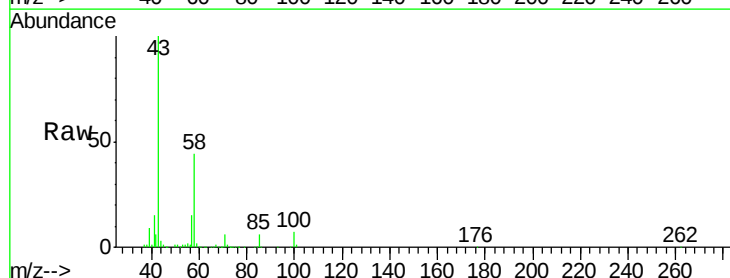
Acq: 6 Jan 2016 14:27

Tgt Ion: 43 Resp: 121144

Ion Ratio Lower Upper

43 100

58 44.5 24.4 73.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.66

60000

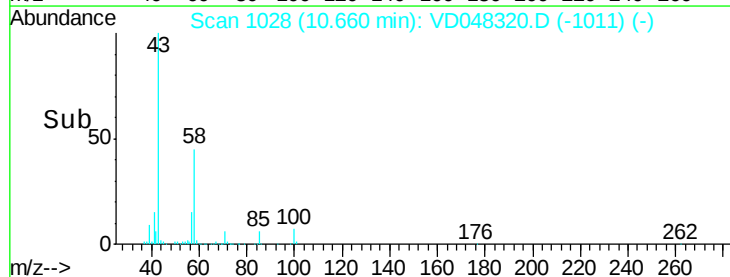
40000

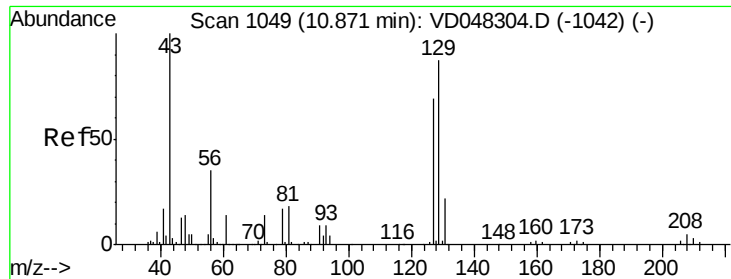
20000

0

10.50 10.60 10.70 10.80

Time-->





#59

Dibromochloromethane

Concen: 18.96 ug/l

RT: 10.85 min Scan# 1047

Delta R.T. -0.02 min

Lab File: VD048320.D

Acq: 6 Jan 2016 14:27

Instrument :

BNA_F

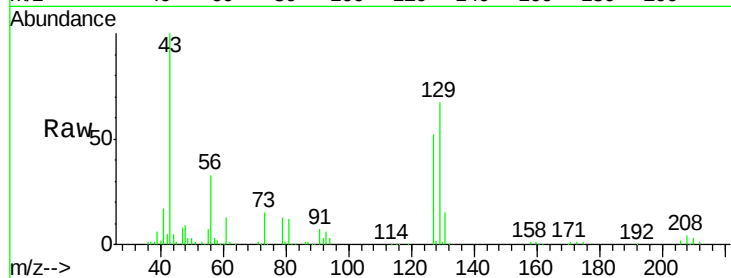
ClientSampleId :

Tot Ion:129 Resp: 45318

Ion Ratio Lower Upper

129 100

127 76.9 37.5 112.7



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

10.85

25000

20000

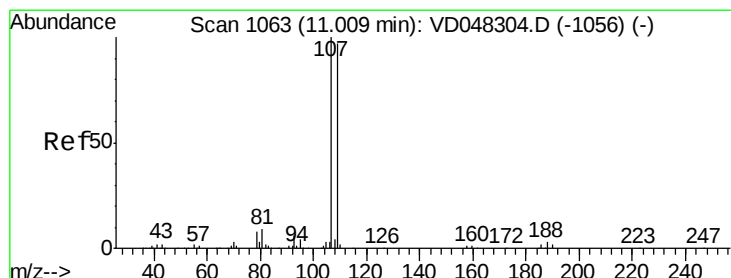
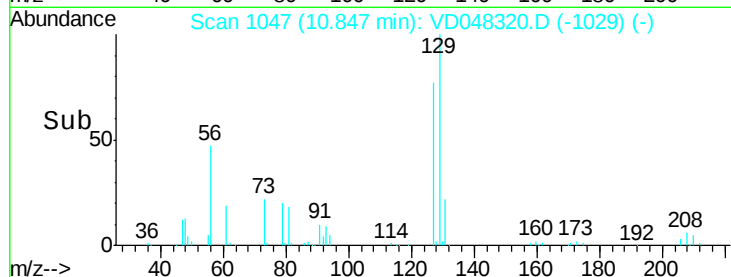
15000

10000

5000

0

Time--> 10.70 10.80 10.90 11.00



#60

1,2-Dibromoethane

Concen: 19.49 ug/l

RT: 10.97 min Scan# 1060

Delta R.T. -0.03 min

Lab File: VD048320.D

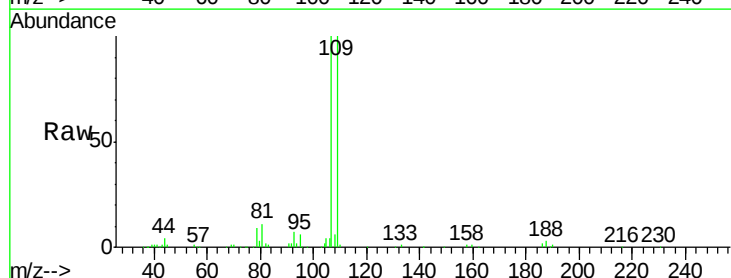
Acq: 6 Jan 2016 14:27

Tgt Ion:107 Resp: 37681

Ion Ratio Lower Upper

107 100

109 99.7 77.3 115.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.97

20000

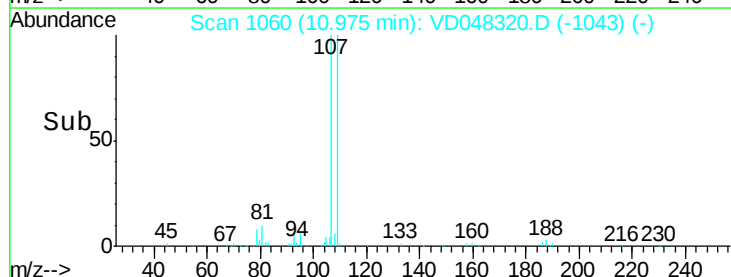
15000

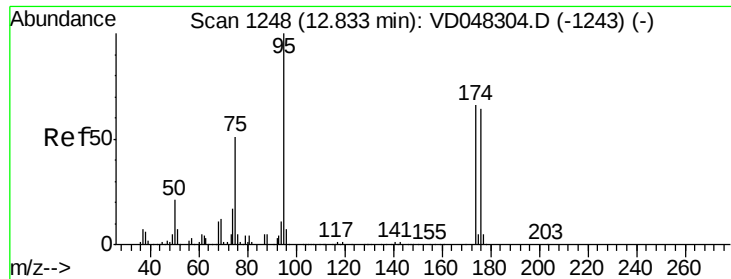
10000

5000

0

Time--> 10.90 11.00 11.10

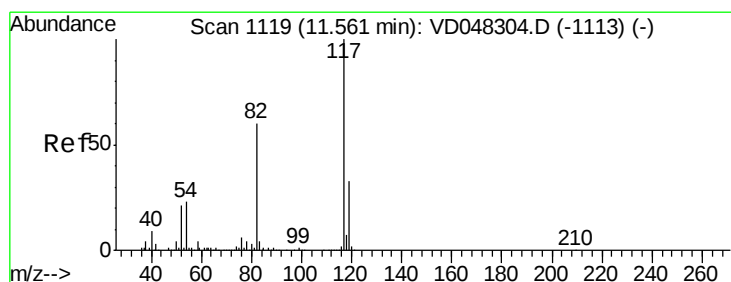
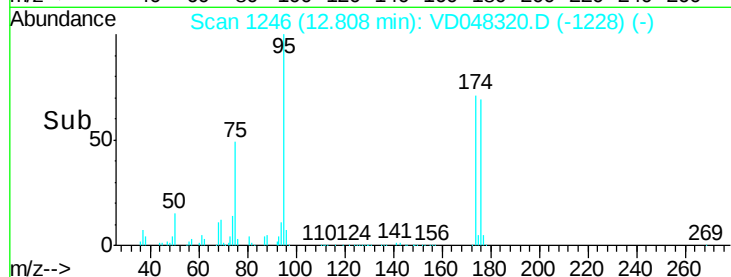
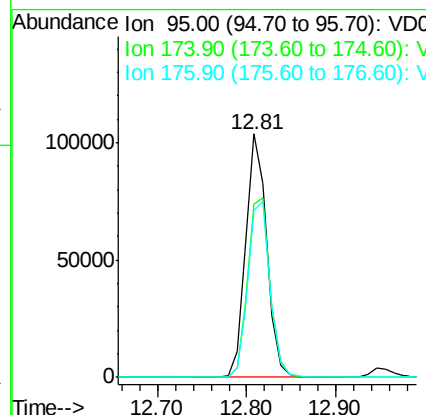
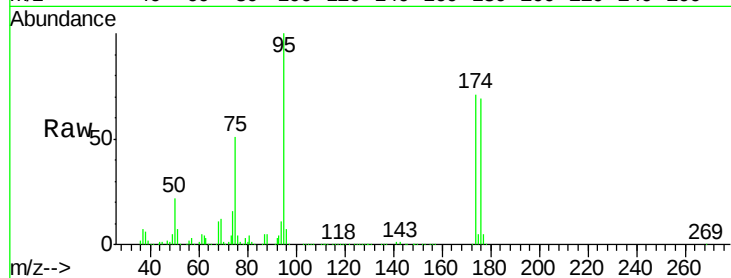




#61
 4-Bromofluorobenzene
 Concen: 19.49 ug/l
 RT: 12.81 min Scan# 1246
 Delta R.T. -0.02 min
 Lab File: VD048320.D
 Acq: 6 Jan 2016 14:27

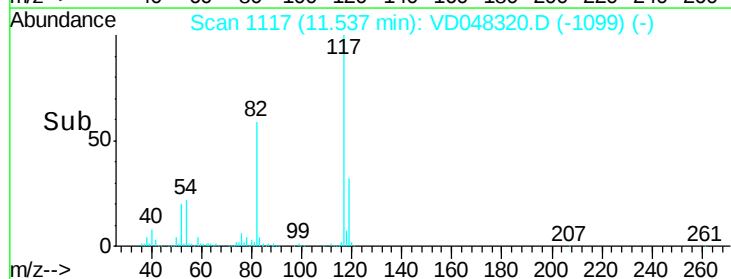
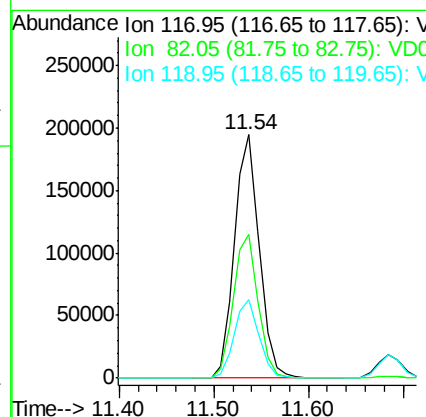
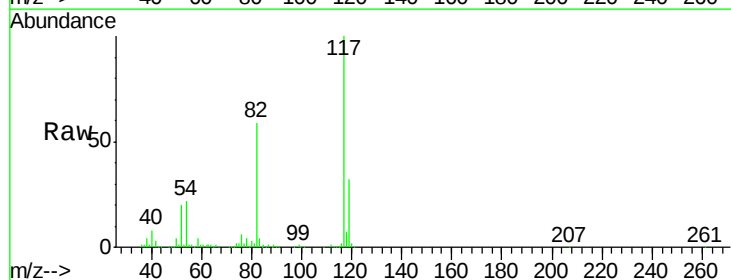
Instrument :
 BNA_F
 ClientSampleId :

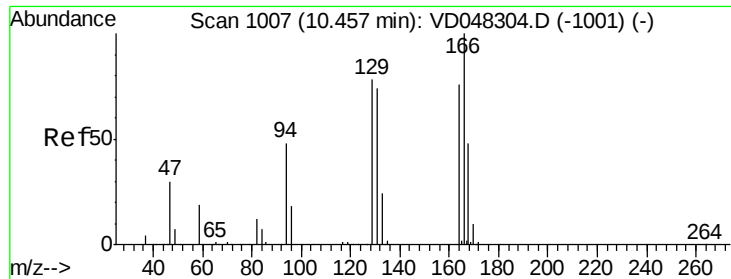
Tot Ion: 95 Resp: 169002
 Ion Ratio Lower Upper
 95 100
 174 71.3 0.0 156.2
 176 68.6 0.0 147.4



#62
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.54 min Scan# 1117
 Delta R.T. -0.02 min
 Lab File: VD048320.D
 Acq: 6 Jan 2016 14:27

Tgt Ion: 117 Resp: 352144
 Ion Ratio Lower Upper
 117 100
 82 59.2 46.8 70.2
 119 32.1 26.1 39.1

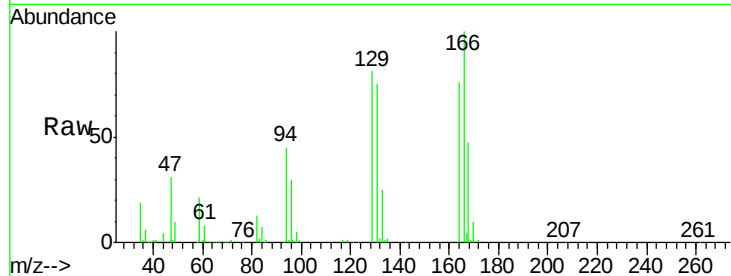




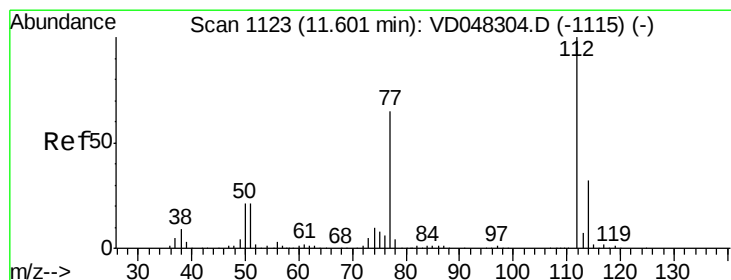
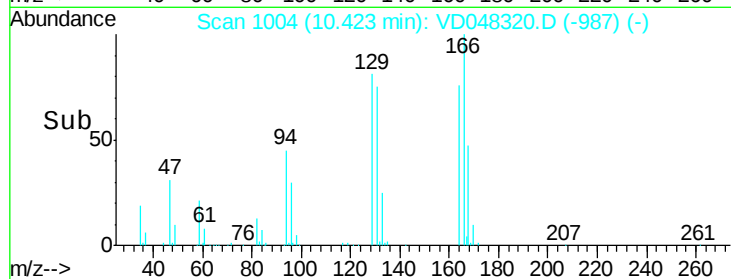
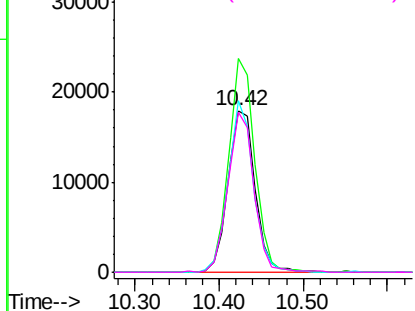
#63
Tetrachloroethene
Concen: 18.41 ug/l
RT: 10.42 min Scan# 1004
Delta R.T. -0.03 min
Lab File: VD048320.D
Acq: 6 Jan 2016 14:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 40159
Ion Ratio Lower Upper
164 100
166 132.0 103.9 155.9
129 106.3 78.9 118.3
131 99.3 77.0 115.6

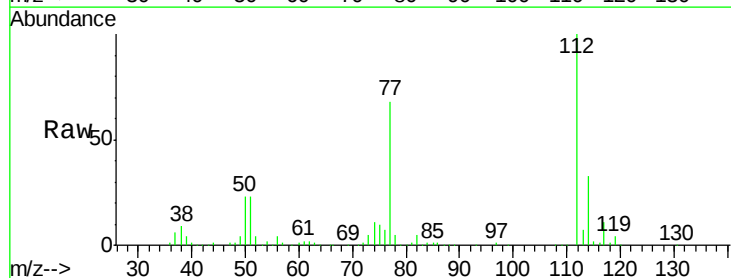


Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

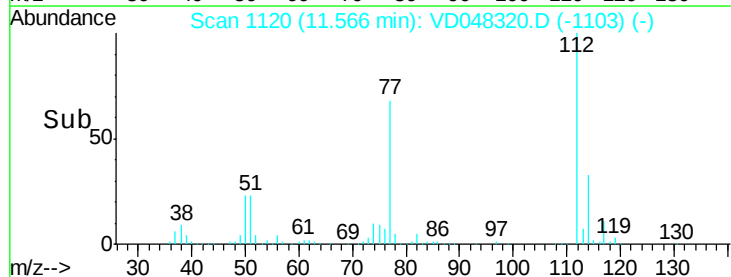
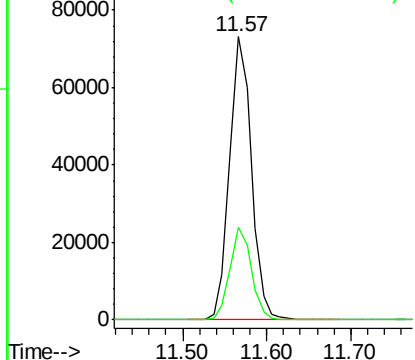


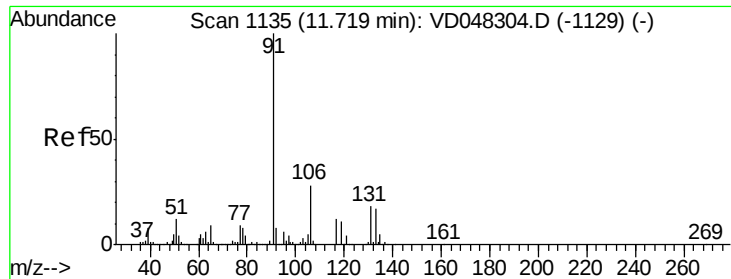
#64
Chlorobenzene
Concen: 18.91 ug/l
RT: 11.57 min Scan# 1120
Delta R.T. -0.03 min
Lab File: VD048320.D
Acq: 6 Jan 2016 14:27

Tgt Ion:112 Resp: 132734
Ion Ratio Lower Upper
112 100
114 32.8 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: 18.99 ug/l

RT: 11.68 min Scan# 1132

Delta R.T. -0.03 min

Lab File: VD048320.D

Acq: 6 Jan 2016 14:27

Instrument :

BNA_F

ClientSampleId :

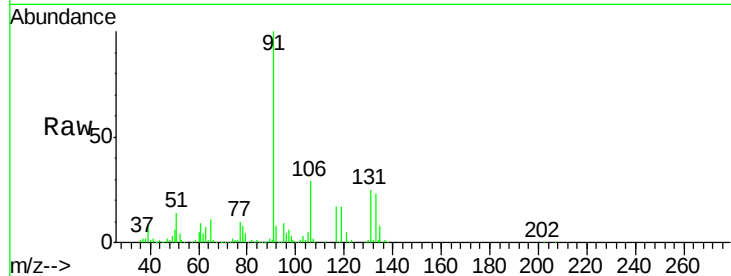
Tot Ion:131 Resp: 47542

Ion Ratio Lower Upper

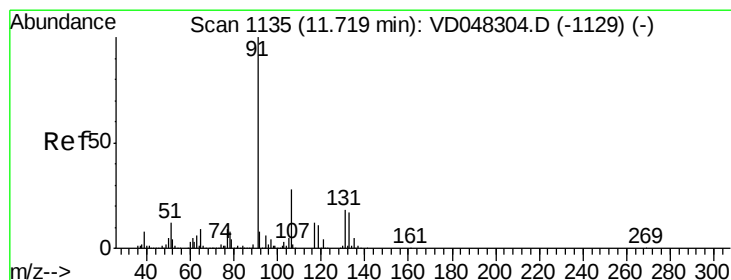
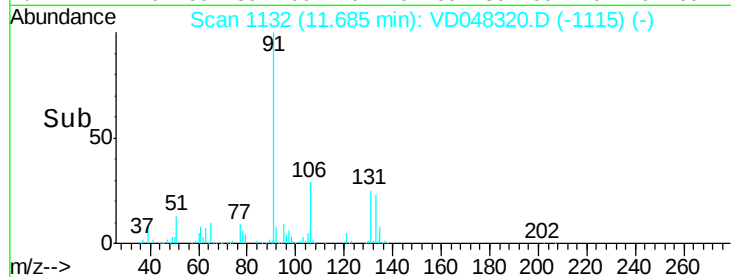
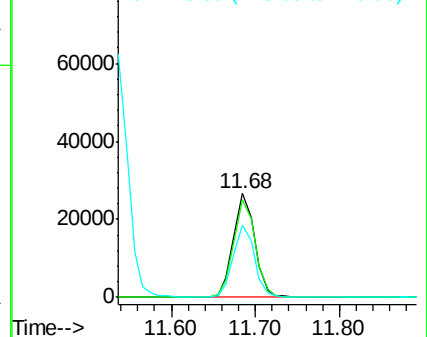
131 100

133 94.6 47.5 142.6

119 69.3 32.9 98.7



Abundance Ion 130.90 (130.60 to 131.60): V
Ion 132.90 (132.60 to 133.60): V
Ion 118.85 (118.55 to 119.55): V



#66

Ethyl Benzene

Concen: 18.54 ug/l

RT: 11.69 min Scan# 1133

Delta R.T. -0.02 min

Lab File: VD048320.D

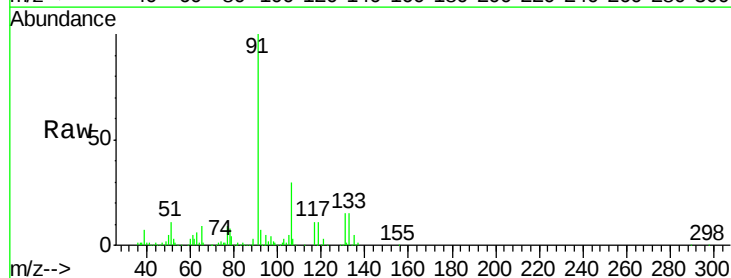
Acq: 6 Jan 2016 14:27

Tgt Ion: 91 Resp: 230209

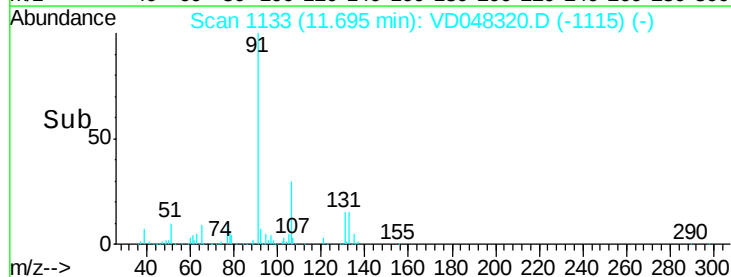
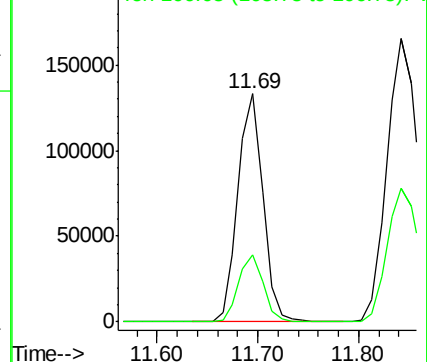
Ion Ratio Lower Upper

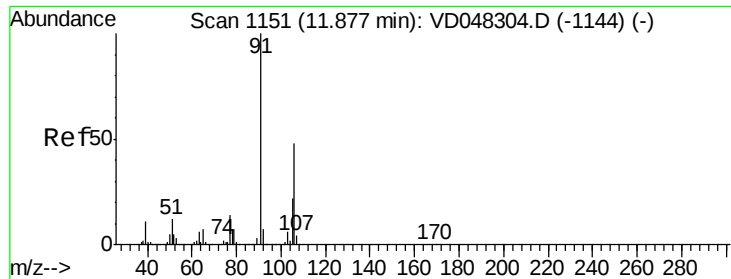
91 100

106 29.7 23.8 35.6



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 106.05 (105.75 to 106.75): V

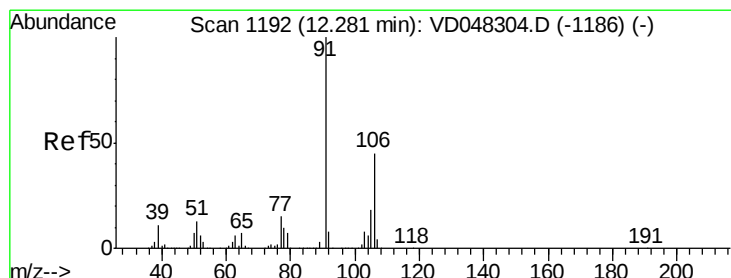
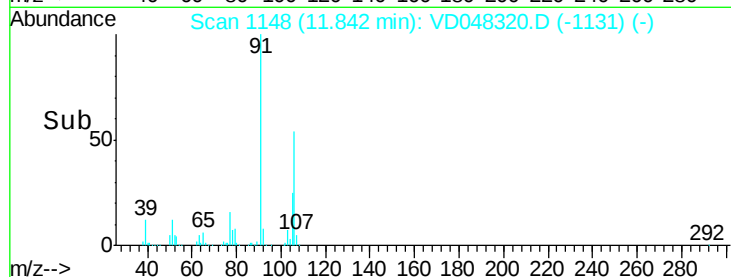
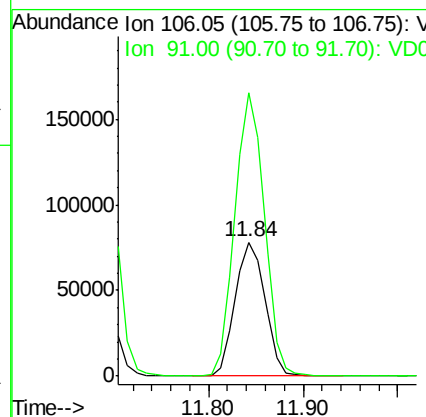
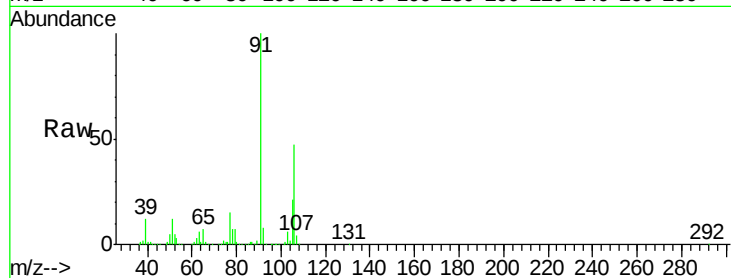




#67
m/p-Xylenes
Concen: 38.95 ug/l
RT: 11.84 min Scan# 1148
Delta R.T. -0.03 min
Lab File: VD048320.D
Acq: 6 Jan 2016 14:27

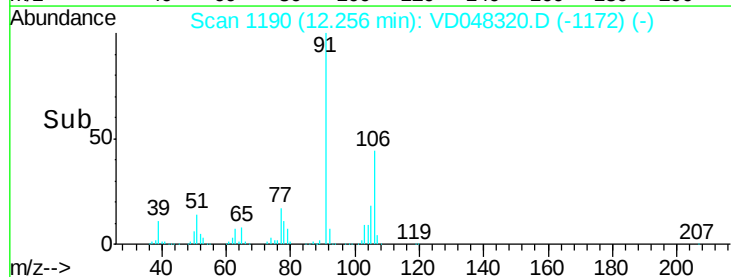
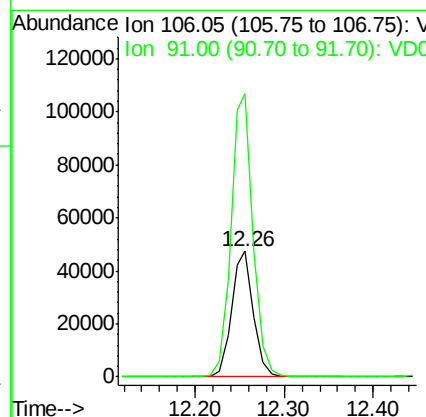
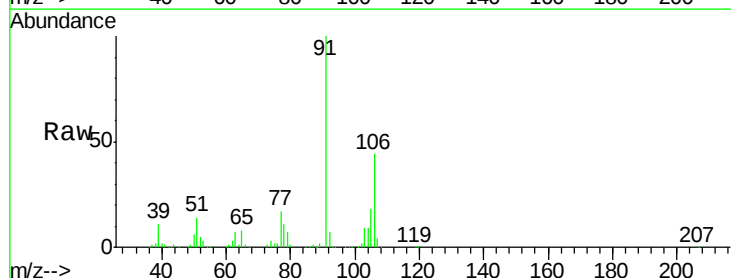
Instrument :
BNA_F
ClientSampleId :

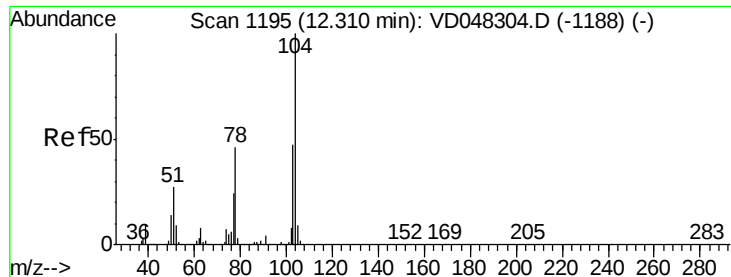
Tot Ion:106 Resp: 171309
Ion Ratio Lower Upper
106 100
91 211.2 162.0 243.0



#68
o-Xylene
Concen: 19.31 ug/l
RT: 12.26 min Scan# 1190
Delta R.T. -0.02 min
Lab File: VD048320.D
Acq: 6 Jan 2016 14:27

Tgt Ion:106 Resp: 81696
Ion Ratio Lower Upper
106 100
91 225.1 111.8 335.3





#69

Stvrene

Concen: 19.79 ug/l

RT: 12.28 min Scan# 1192

Delta R.T. -0.03 min

Lab File: VD048320.D

Acq: 6 Jan 2016 14:27

Instrument :

BNA_F

ClientSampleId :

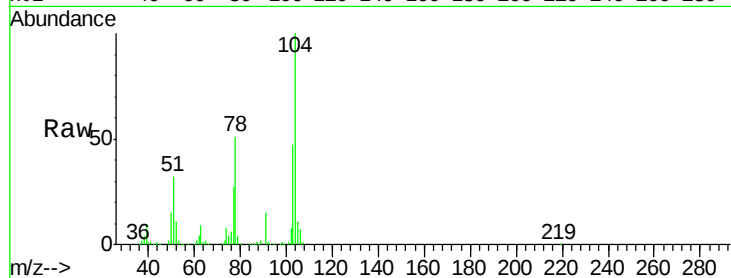
Tot Ion:104 Resp: 133989

Ion Ratio Lower Upper

104 100

78 51.4 37.5 56.3

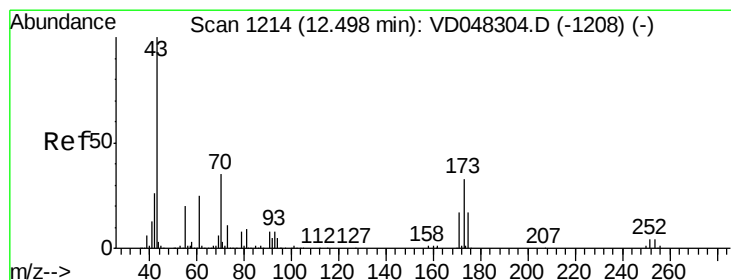
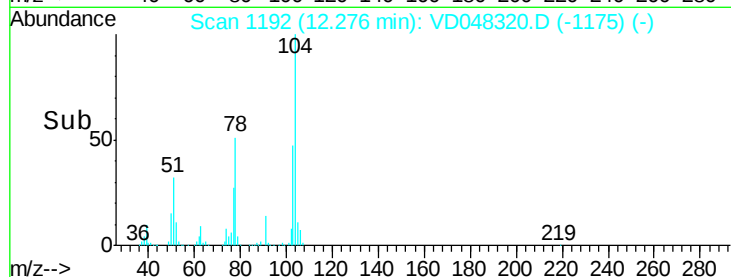
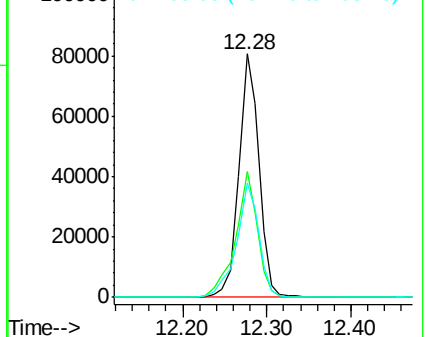
103 46.8 37.3 55.9



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: 19.39 ug/l

RT: 12.46 min Scan# 1211

Delta R.T. -0.03 min

Lab File: VD048320.D

Acq: 6 Jan 2016 14:27

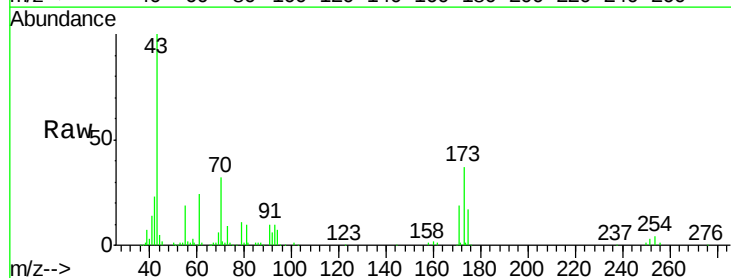
Tgt Ion:173 Resp: 23790

Ion Ratio Lower Upper

173 100

175 45.8 26.0 78.0

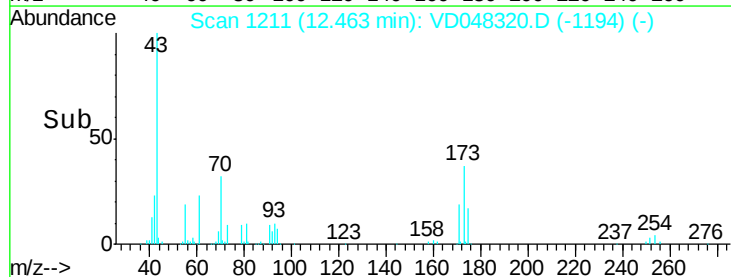
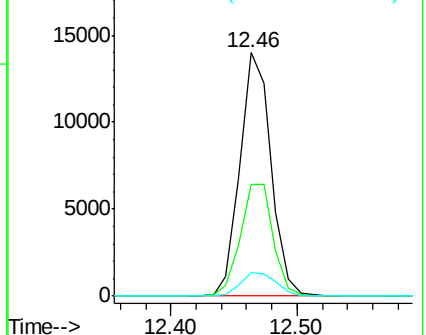
254 9.8 7.7 11.5

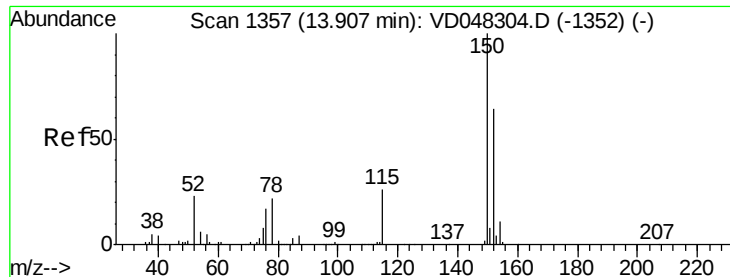


Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



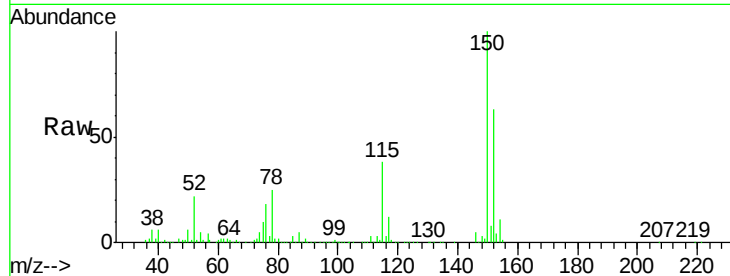


#71

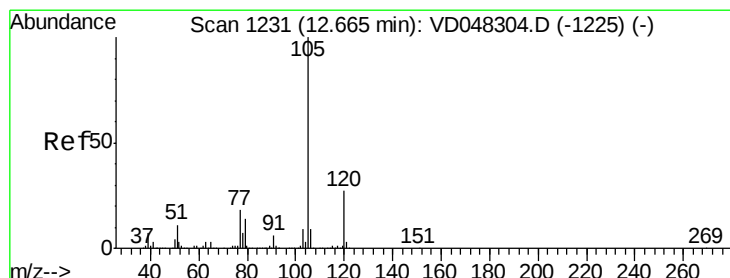
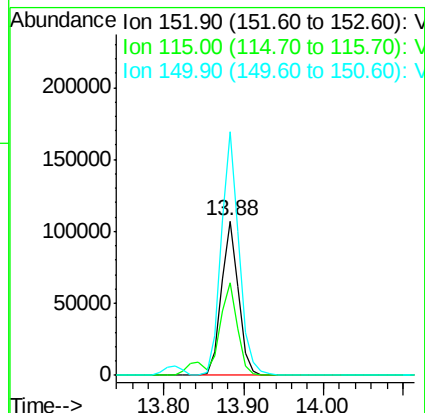
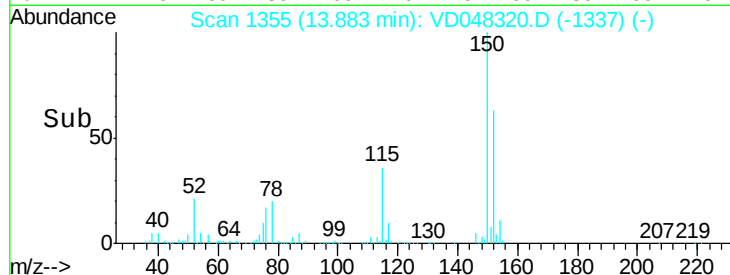
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.88 min Scan# 1355
Delta R.T. -0.02 min
Lab File: VD048320.D
Acq: 6 Jan 2016 14:27

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	59.9	32.4	97.2
150	157.6	0.0	314.6



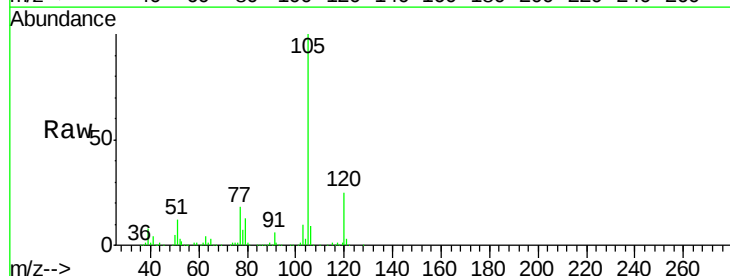
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V



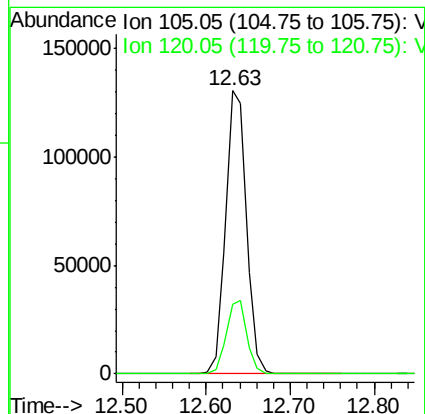
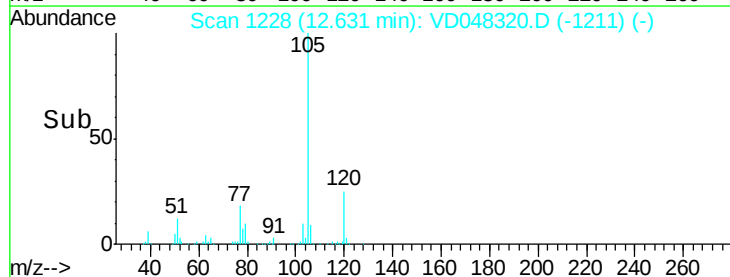
#72

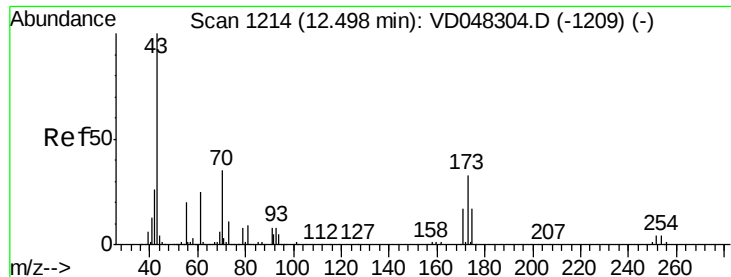
Isopropylbenzene
Concen: 18.03 ug/l
RT: 12.63 min Scan# 1228
Delta R.T. -0.03 min
Lab File: VD048320.D
Acq: 6 Jan 2016 14:27

Tgt Ion	Ratio	Lower	Upper
105	100		
120	24.7	13.1	39.3



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





#73

N-amvl acetate

Concen: 20.66 ug/l

RT: 12.47 min Scan# 1212

Delta R.T. -0.02 min

Lab File: VD048320.D

Acq: 6 Jan 2016 14:27

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 43 Resp: 72224

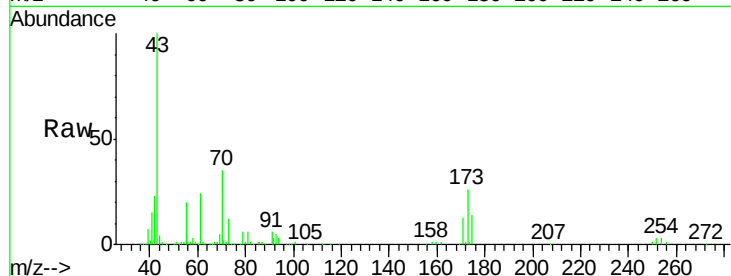
Ion	Ratio	Lower	Upper
43	100		
70	34.9	27.2	40.8
55	20.4	15.4	23.0
61	24.0	19.9	29.9

43 100

70 34.9 27.2 40.8

55 20.4 15.4 23.0

61 24.0 19.9 29.9

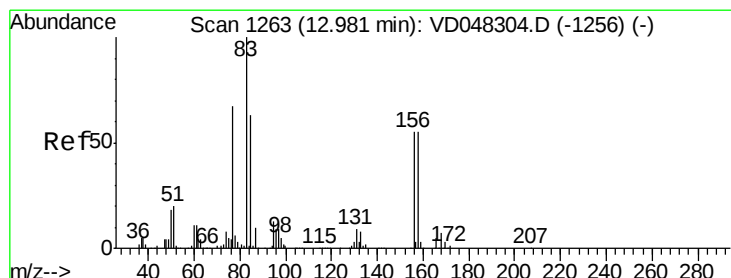
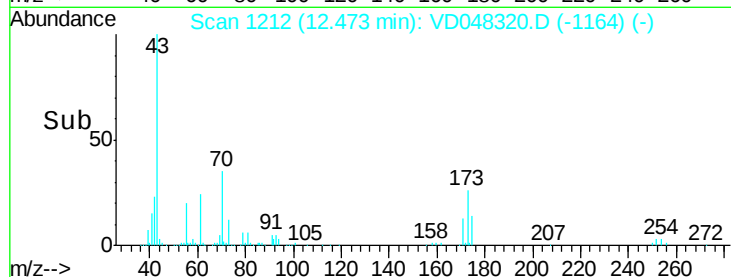
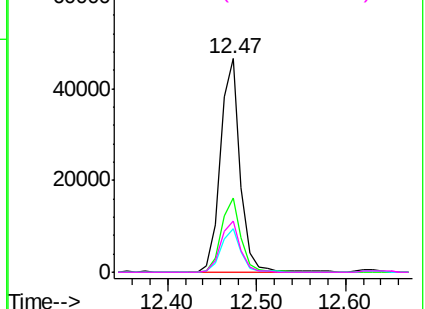


Abundance Ion 42.95 (42.65 to 43.65): VDC

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: 21.05 ug/l

RT: 12.95 min Scan# 1260

Delta R.T. -0.03 min

Lab File: VD048320.D

Acq: 6 Jan 2016 14:27

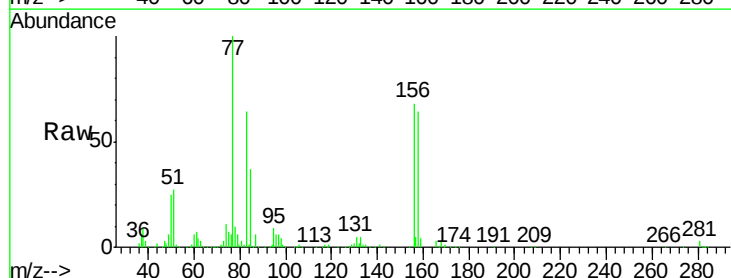
Tgt Ion: 83 Resp: 48446

Ion	Ratio	Lower	Upper
83	100		
131	7.3	4.3	13.1
85	57.5	31.1	93.2

83 100

131 7.3 4.3 13.1

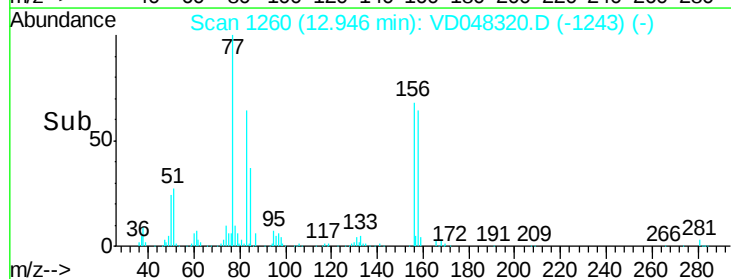
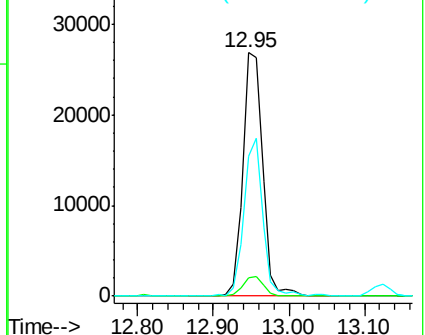
85 57.5 31.1 93.2

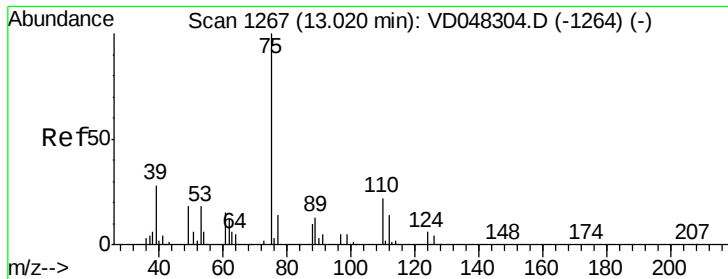


Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): V

Ion 84.95 (84.65 to 85.65): VDC





#75

1,2,3-Trichloropropane

Concen: 21.11 ug/l

RT: 13.00 min Scan# 1265

Delta R.T. -0.02 min

Lab File: VD048320.D

Acq: 6 Jan 2016 14:27

Instrument :

BNA_F

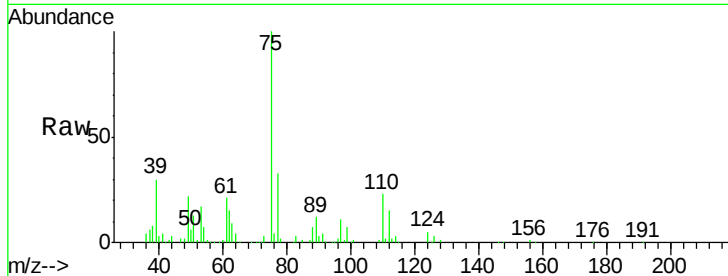
ClientSampleId :

Tot Ion: 75 Resp: 54392

Ion Ratio Lower Upper

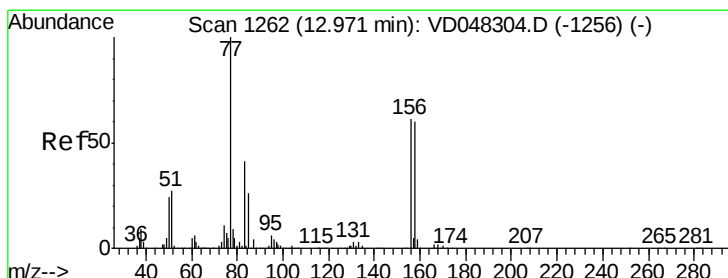
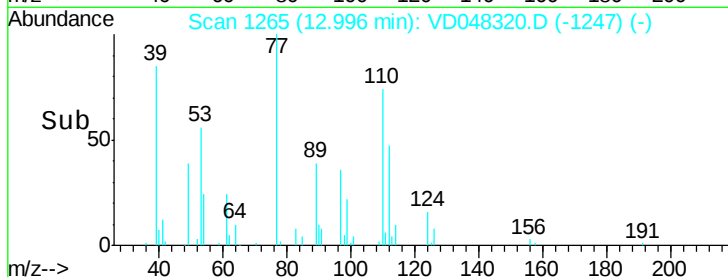
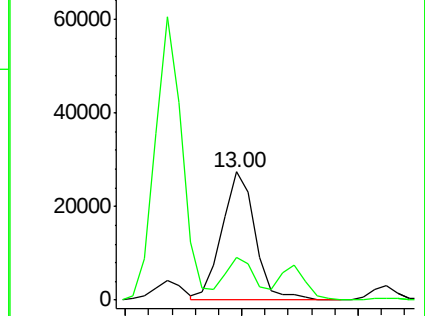
75 100

77 33.2 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: 18.89 ug/l

RT: 12.94 min Scan# 1259

Delta R.T. -0.03 min

Lab File: VD048320.D

Acq: 6 Jan 2016 14:27

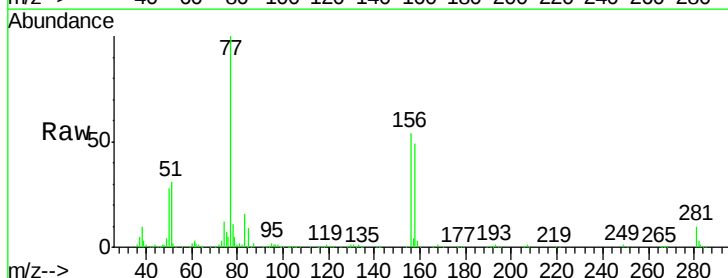
Tgt Ion: 156 Resp: 54690

Ion Ratio Lower Upper

156 100

77 186.4 87.5 262.4

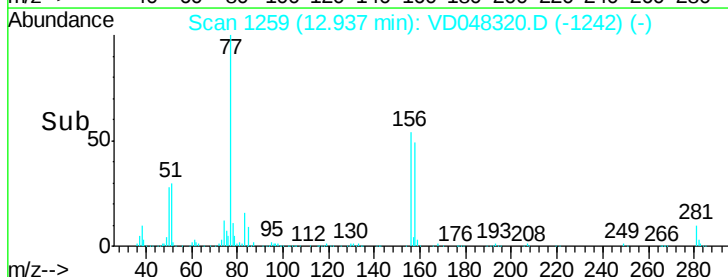
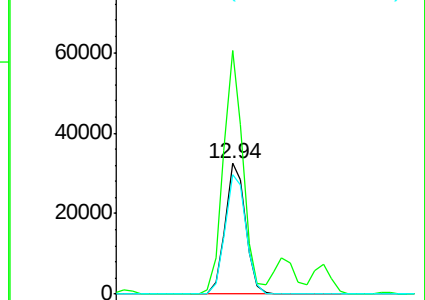
158 91.7 49.5 148.5

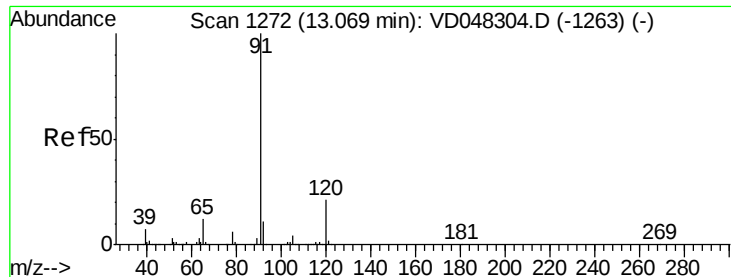


Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V





#77

n-propylbenzene

Concen: 18.05 ug/l

RT: 13.04 min Scan# 1270

Delta R.T. -0.02 min

Lab File: VD048320.D

Acq: 6 Jan 2016 14:27

Instrument :

BNA_F

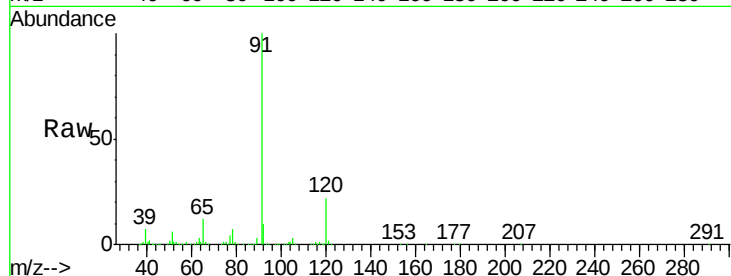
ClientSampleId :

Tot Ion: 91 Resp: 288369

Ion Ratio Lower Upper

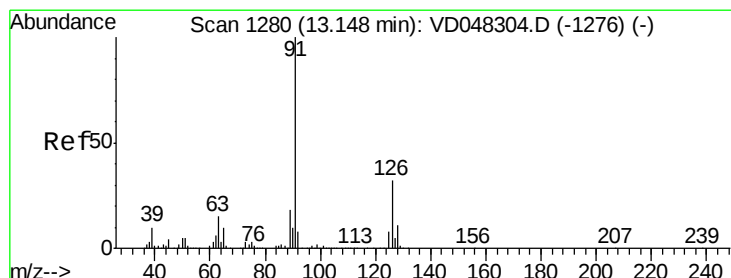
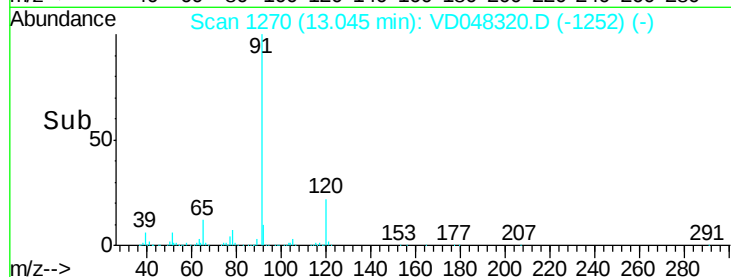
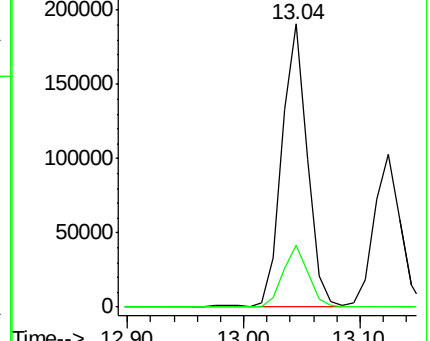
91 100

120 21.9 10.4 31.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V



#78

2-Chlorotoluene

Concen: 18.03 ug/l

RT: 13.12 min Scan# 1278

Delta R.T. -0.02 min

Lab File: VD048320.D

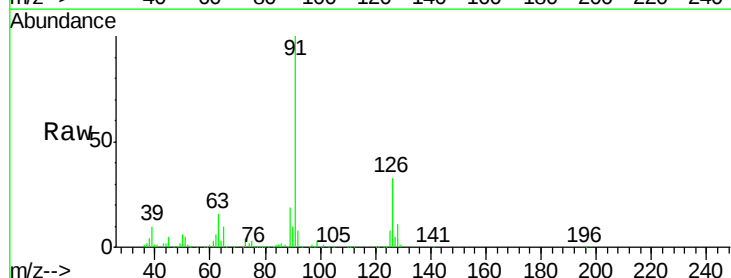
Acq: 6 Jan 2016 14:27

Tgt Ion: 91 Resp: 161075

Ion Ratio Lower Upper

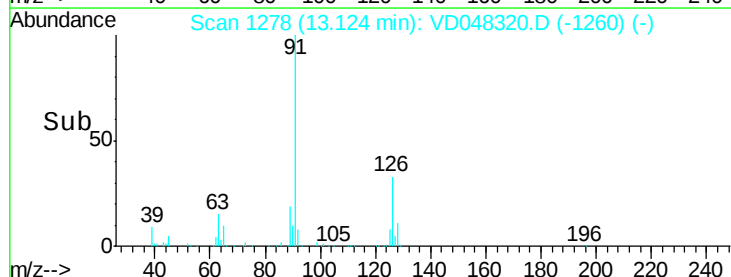
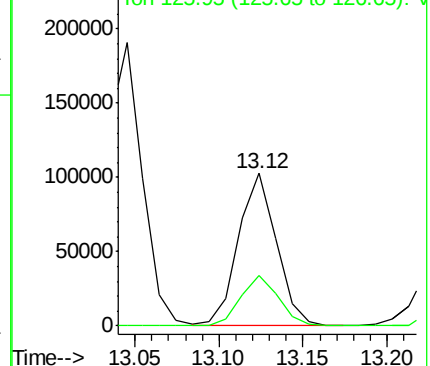
91 100

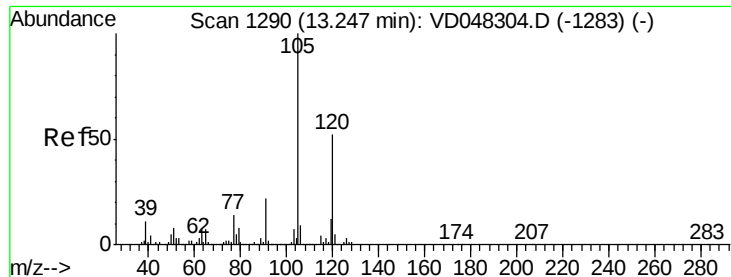
126 33.2 15.3 45.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V





#79

1,3,5-Trimethylbenzene

Concen: 18.67 ug/l

RT: 13.21 min Scan# 1287

Delta R.T. -0.03 min

Lab File: VD048320.D

Acq: 6 Jan 2016 14:27

Instrument :

BNA_F

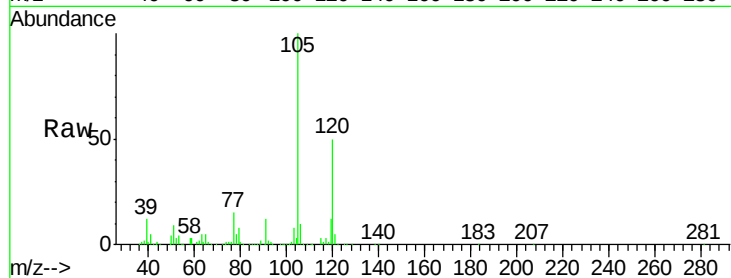
ClientSampleId :

Tot Ion:105 Resp: 180201

Ion Ratio Lower Upper

105 100

120 49.9 25.1 75.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.21

120000

100000

80000

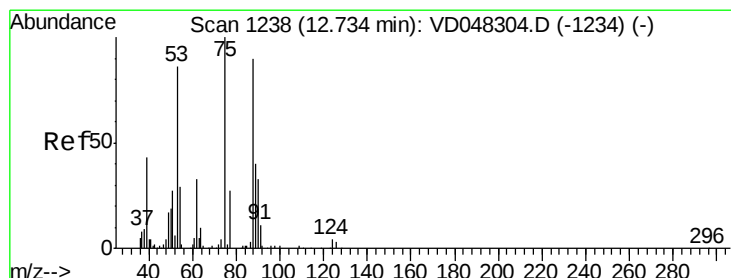
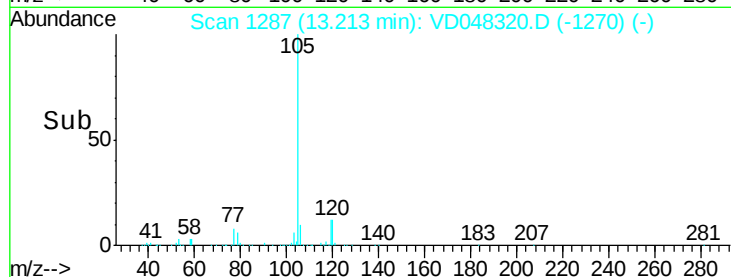
60000

40000

20000

0

Time-->



#80

trans-1,4-Dichloro-2-butene

Concen: 20.30 ug/l

RT: 12.70 min Scan# 1235

Delta R.T. -0.03 min

Lab File: VD048320.D

Acq: 6 Jan 2016 14:27

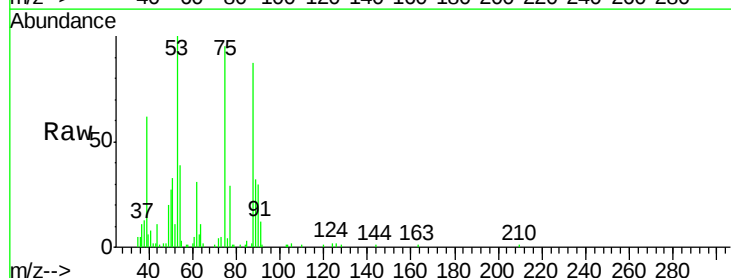
Tgt Ion: 75 Resp: 13901

Ion Ratio Lower Upper

75 100

53 104.9 77.8 116.8

89 33.3 32.6 49.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC

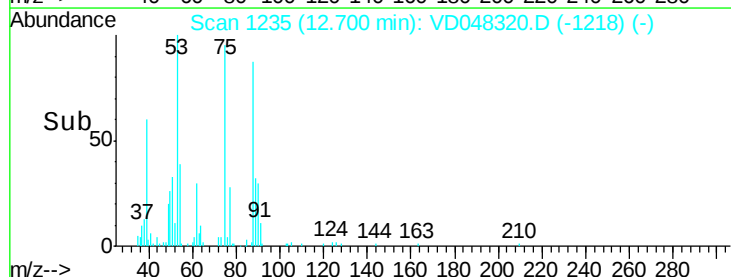
60000

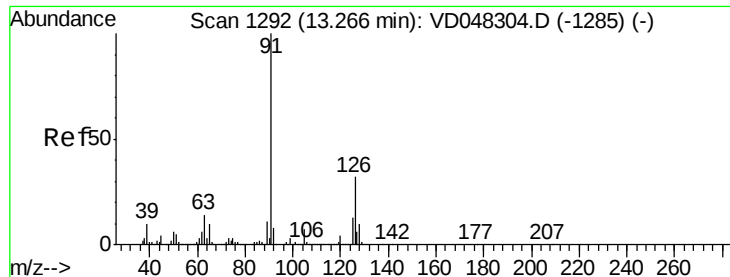
40000

20000

0

Time-->

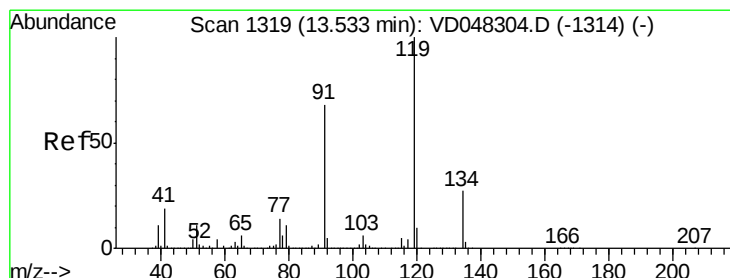
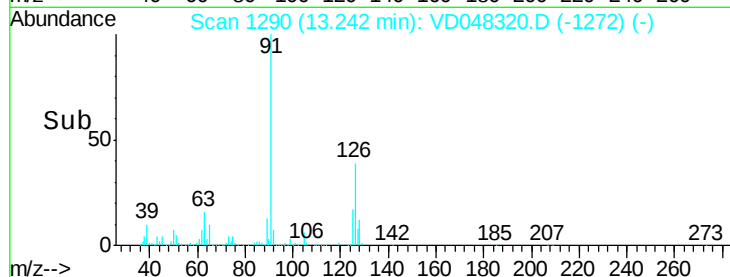
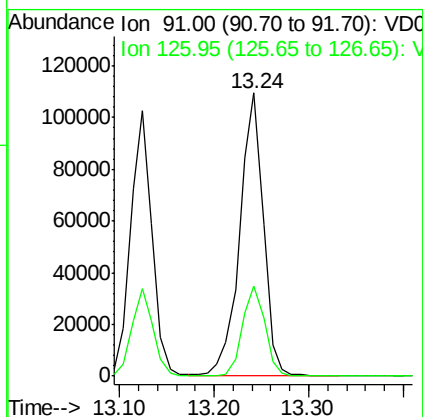
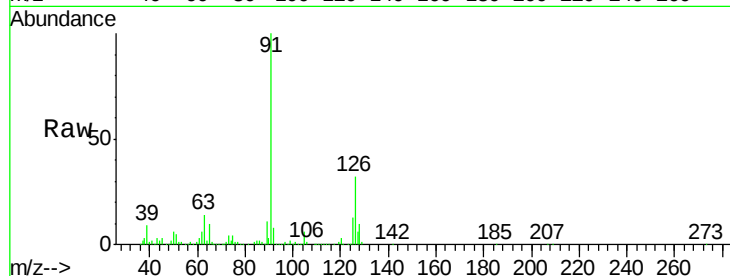




#81
4-Chlorotoluene
Concen: 18.28 ug/l
RT: 13.24 min Scan# 1290
Delta R.T. -0.02 min
Lab File: VD048320.D
Acq: 6 Jan 2016 14:27

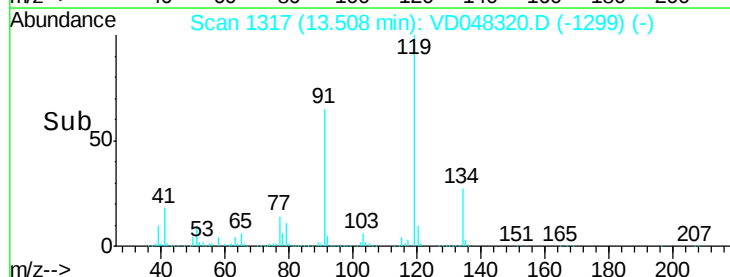
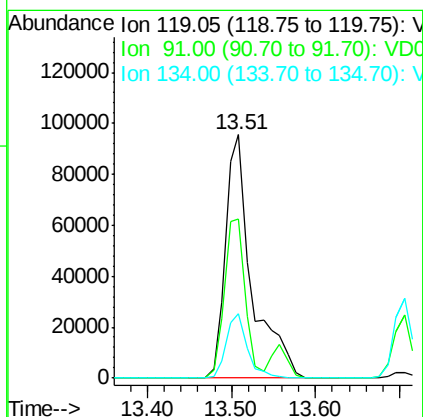
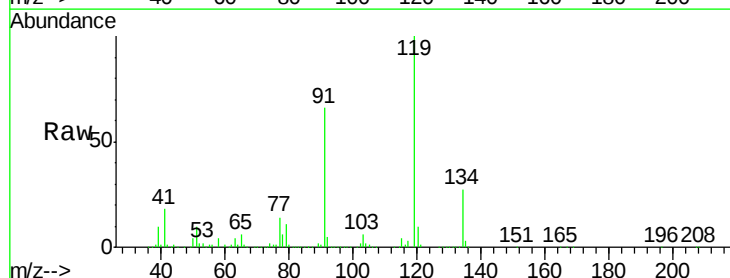
Instrument :
BNA_F
ClientSampleId :

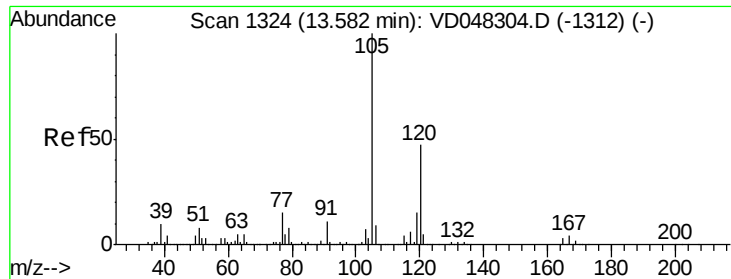
Tot Ion: 91 Resp: 188695
Ion Ratio Lower Upper
91 100
126 31.9 15.4 46.1



#82
tert-Butylbenzene
Concen: 22.33 ug/l
RT: 13.51 min Scan# 1317
Delta R.T. -0.02 min
Lab File: VD048320.D
Acq: 6 Jan 2016 14:27

Tgt Ion: 119 Resp: 208809
Ion Ratio Lower Upper
119 100
91 65.6 33.2 99.6
134 26.7 12.5 37.5

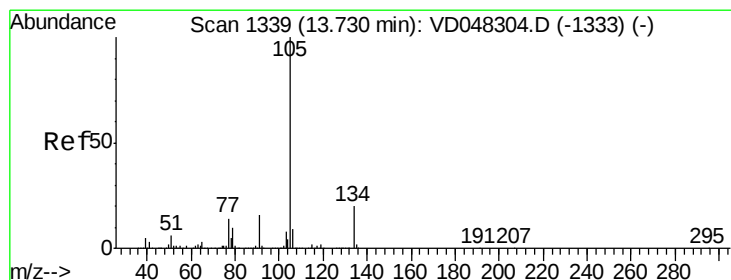
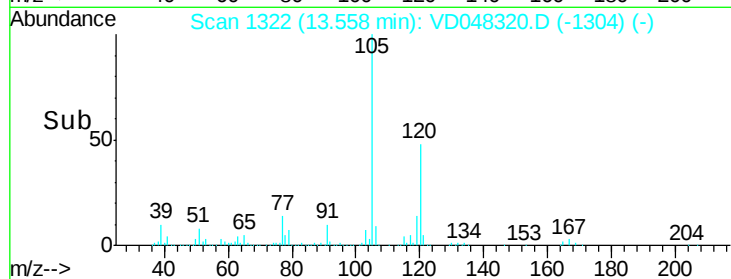
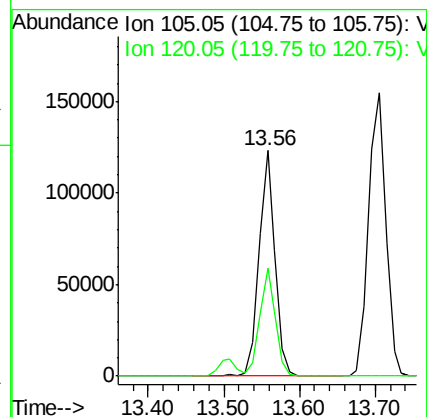
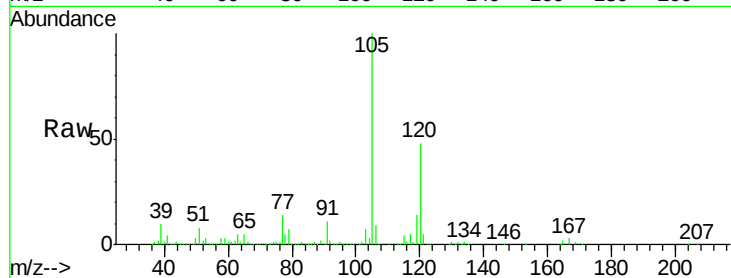




#83
 1,2,4-Trimethylbenzene
 Concen: 18.54 ug/l
 RT: 13.56 min Scan# 1322
 Delta R.T. -0.02 min
 Lab File: VD048320.D
 Acq: 6 Jan 2016 14:27

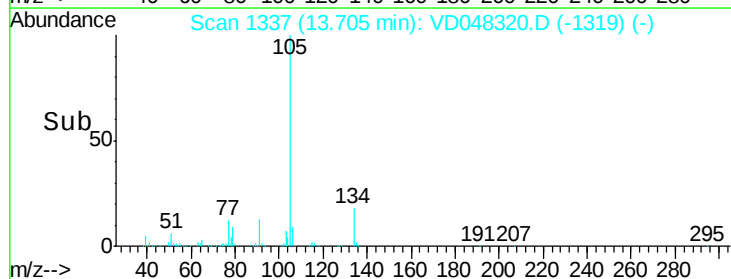
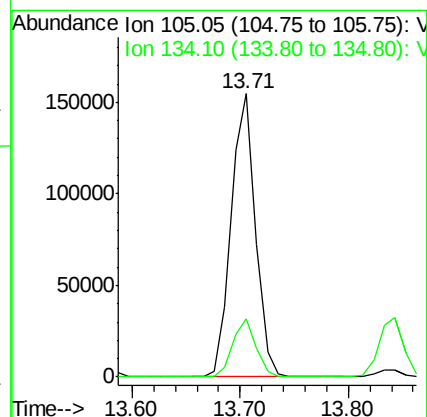
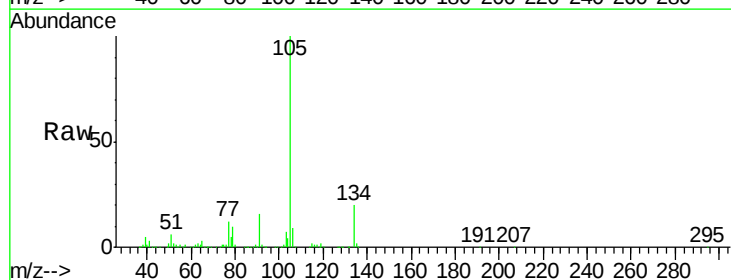
Instrument :
 BNA_F
 ClientSampleId :

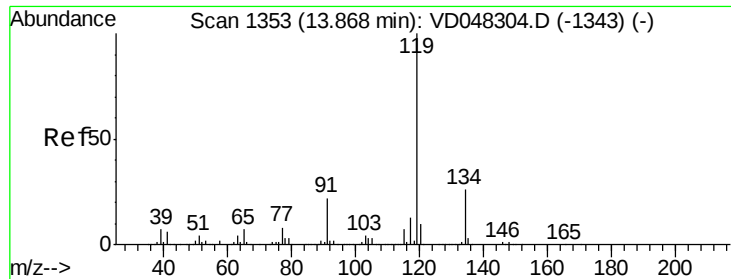
Tot Ion:105 Resp: 184186
 Ion Ratio Lower Upper
 105 100
 120 48.0 22.6 67.7



#84
 sec-Butylbenzene
 Concen: 18.22 ug/l
 RT: 13.71 min Scan# 1337
 Delta R.T. -0.02 min
 Lab File: VD048320.D
 Acq: 6 Jan 2016 14:27

Tgt Ion:105 Resp: 241610
 Ion Ratio Lower Upper
 105 100
 134 20.4 9.4 28.2

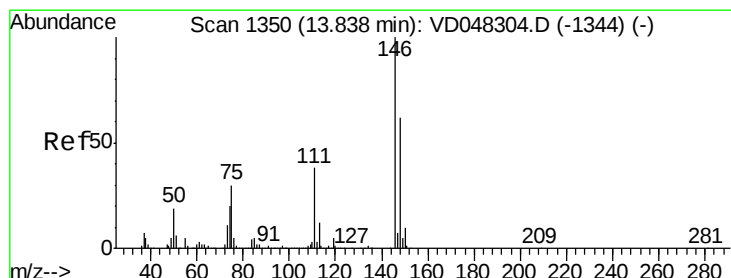
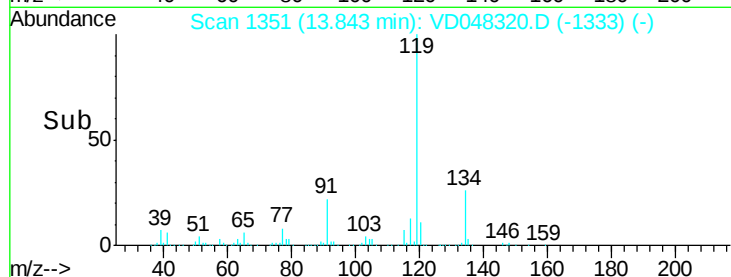
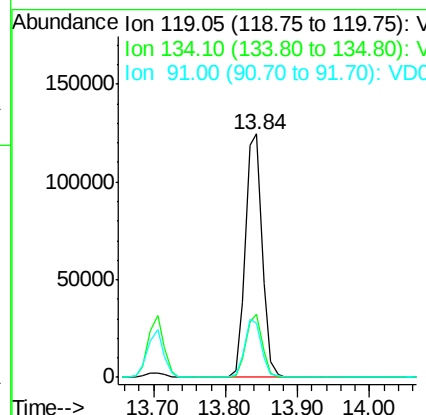
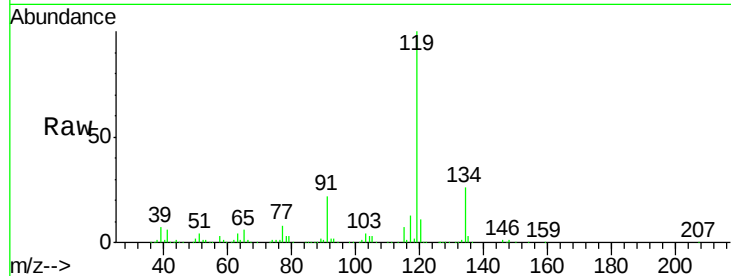




#85
p-Isopropyltoluene
Concen: 18.52 ug/l
RT: 13.84 min Scan# 1351
Delta R.T. -0.02 min
Lab File: VD048320.D
Acq: 6 Jan 2016 14:27

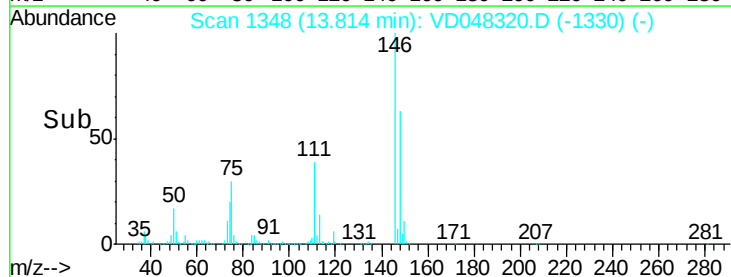
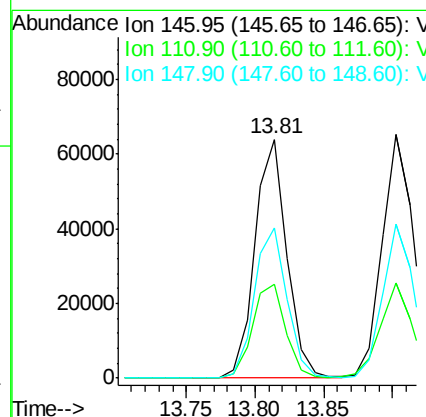
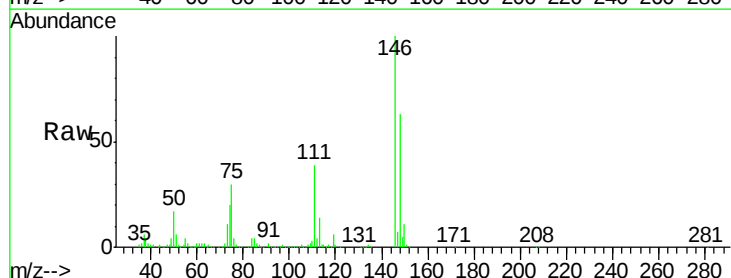
Instrument :
BNA_F
ClientSampleId :

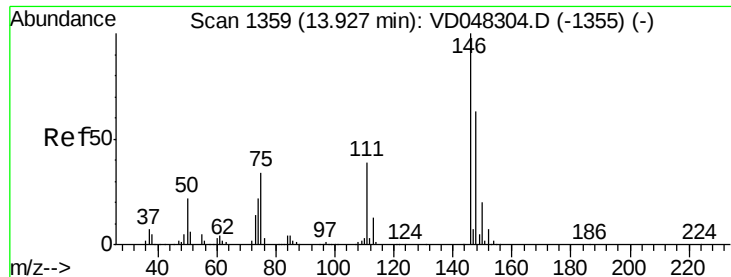
Tot Ion	Ratio	Lower	Upper
119	100		
134	25.8	12.5	37.5
91	22.1	11.2	33.5



#86
1,3-Dichlorobenzene
Concen: 18.64 ug/l
RT: 13.81 min Scan# 1348
Delta R.T. -0.02 min
Lab File: VD048320.D
Acq: 6 Jan 2016 14:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.3	20.5	61.6
148	62.9	31.4	94.0

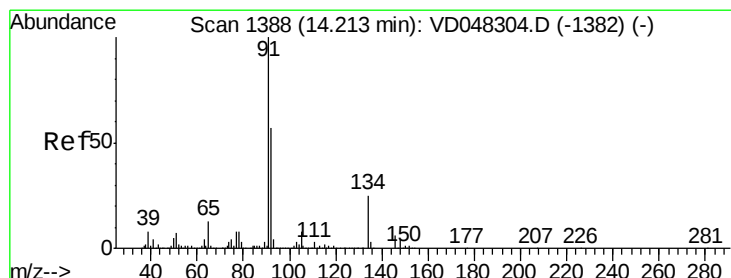
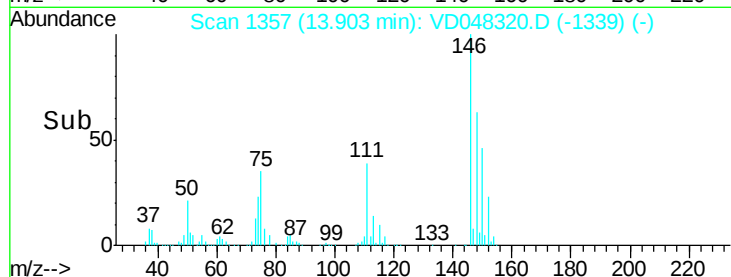
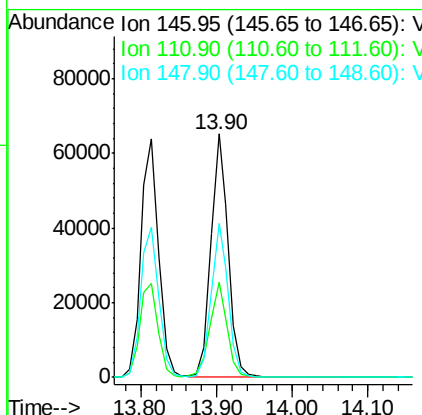
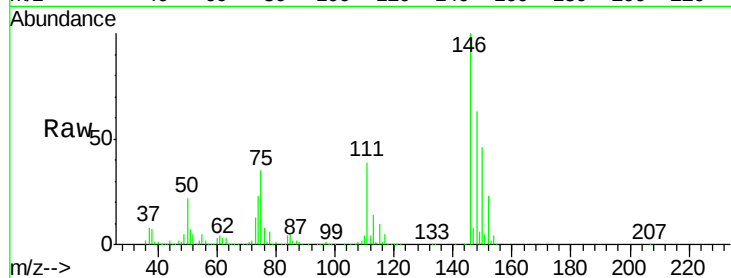




#87
 1,4-Dichlorobenzene
 Concen: 18.97 ug/l
 RT: 13.90 min Scan# 1357
 Delta R.T. -0.02 min
 Lab File: VD048320.D
 Acq: 6 Jan 2016 14:27

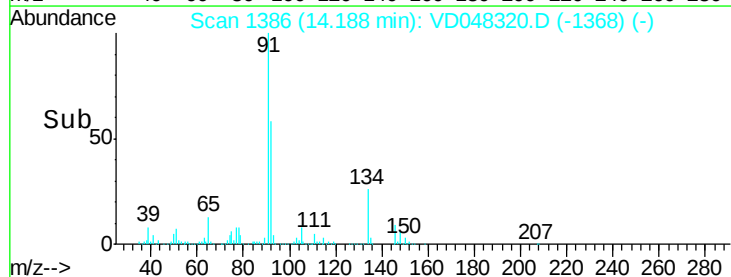
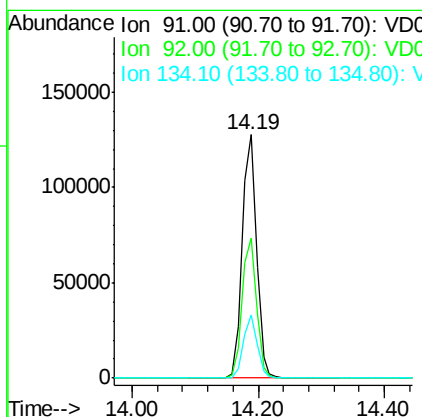
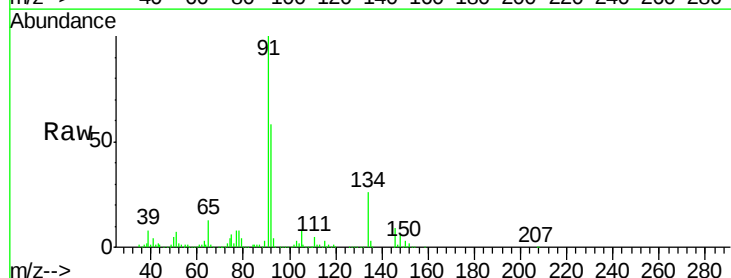
Instrument :
 BNA_F
 ClientSampleId :

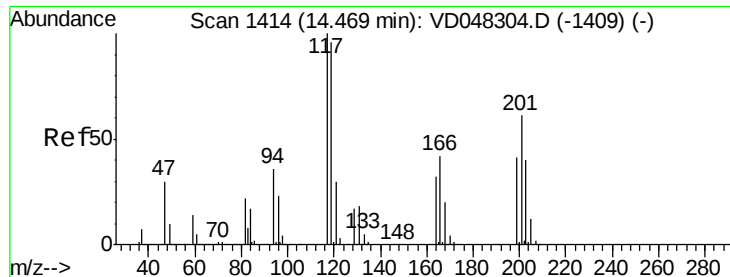
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	18.4	55.2
148	63.4	32.1	96.5



#88
 n-Butylbenzene
 Concen: 18.04 ug/l
 RT: 14.19 min Scan# 1386
 Delta R.T. -0.02 min
 Lab File: VD048320.D
 Acq: 6 Jan 2016 14:27

Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.6	28.8	86.5
134	26.0	11.7	35.0





#89

Hexachloroethane

Concen: 16.64 ug/l

RT: 14.44 min Scan# 1412

Delta R.T. -0.02 min

Lab File: VD048320.D

Acq: 6 Jan 2016 14:27

Instrument :

BNA_F

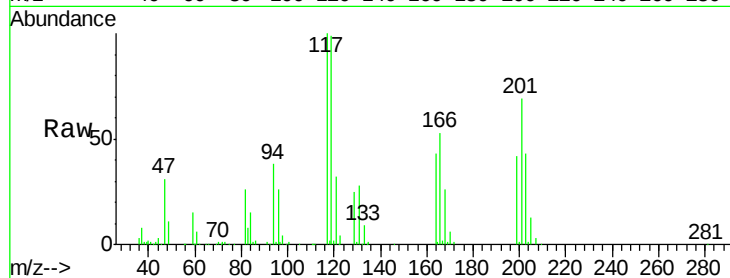
ClientSampleId :

Tot Ion:117 Resp: 37427

Ion Ratio Lower Upper

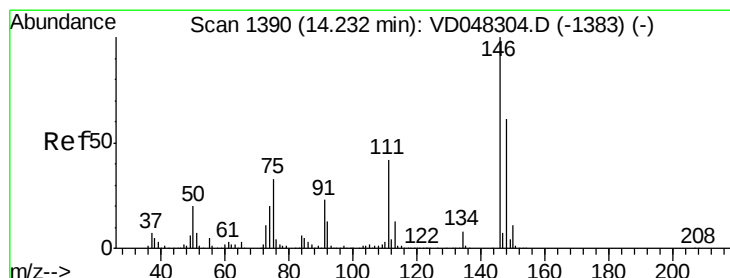
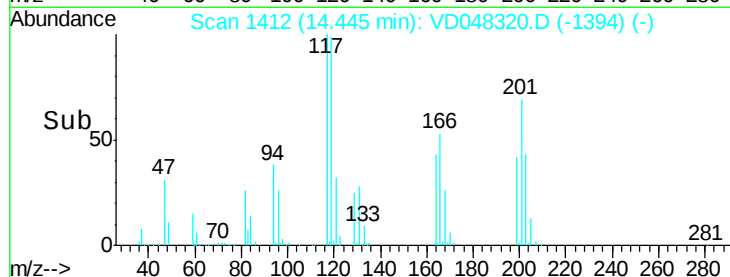
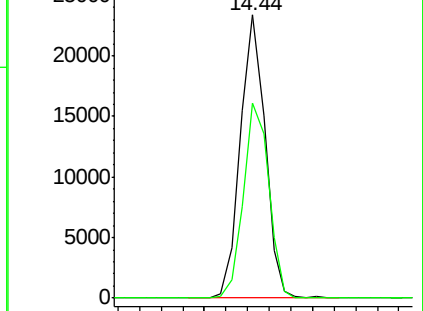
117 100

201 68.9 28.5 85.5



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V



#90

1,2-Dichlorobenzene

Concen: 19.43 ug/l

RT: 14.21 min Scan# 1388

Delta R.T. -0.02 min

Lab File: VD048320.D

Acq: 6 Jan 2016 14:27

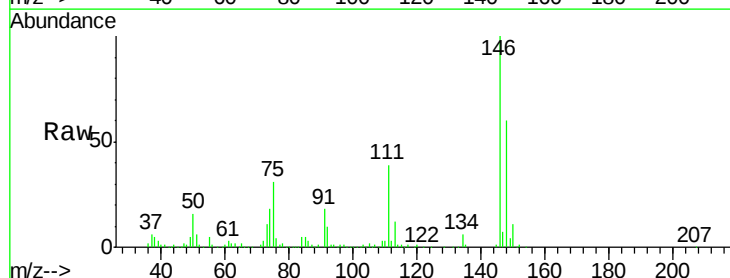
Tgt Ion:146 Resp: 94783

Ion Ratio Lower Upper

146 100

111 39.1 22.0 66.0

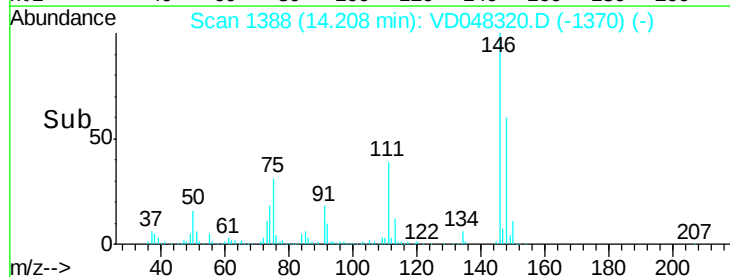
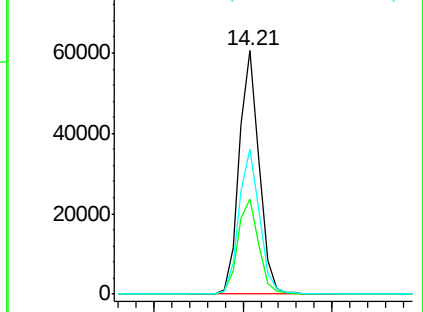
148 59.7 32.0 96.2

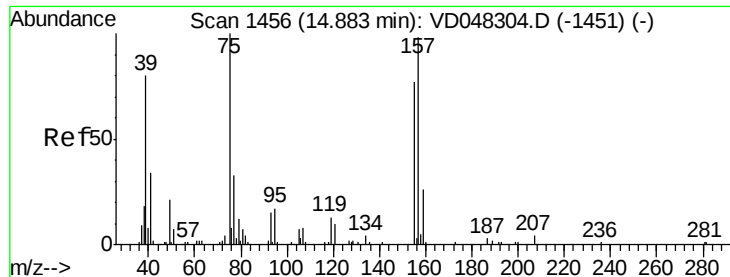


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#91

1,2-Dibromo-3-Chloropropane

Concen: 21.67 ug/l

RT: 14.86 min Scan# 1454

Delta R.T. -0.02 min

Lab File: VD048320.D

Acq: 6 Jan 2016 14:27

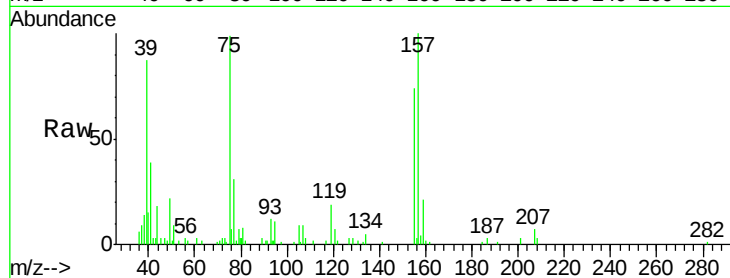
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 75 Resp: 6491

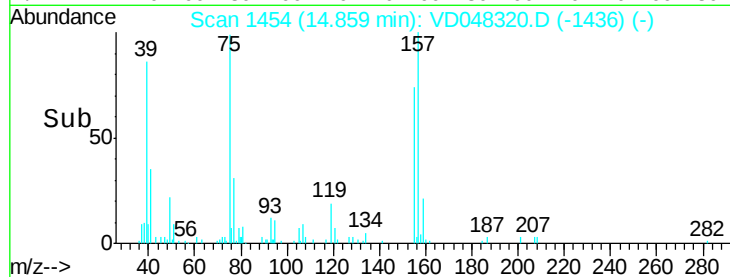
Ion	Ratio	Lower	Upper
75	100		
155	74.8	38.2	114.6
157	101.0	50.5	151.6



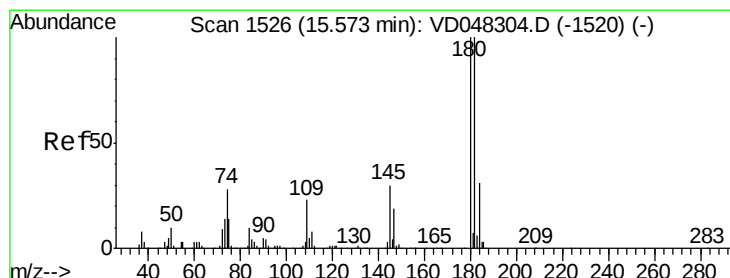
Abundance Ion 75.00 (74.70 to 75.70): VD0

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V



Time-->



#92

1,2,4-Trichlorobenzene

Concen: 20.04 ug/l

RT: 15.54 min Scan# 1523

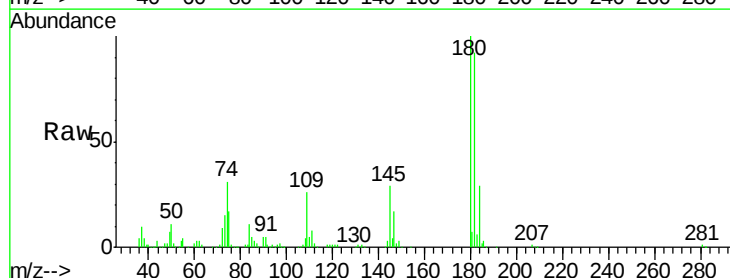
Delta R.T. -0.03 min

Lab File: VD048320.D

Acq: 6 Jan 2016 14:27

Tgt Ion:180 Resp: 58701

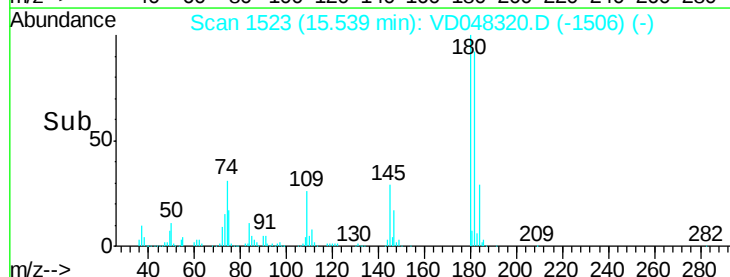
Ion	Ratio	Lower	Upper
180	100		
182	92.5	46.6	139.8
145	29.2	14.9	44.7



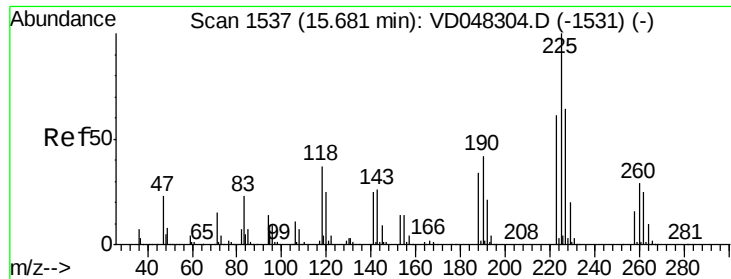
Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V



Time-->



#93

Hexachlorobutadiene

Concen: 18.09 ug/l

RT: 15.65 min Scan# 1534

Delta R.T. -0.03 min

Lab File: VD048320.D

Acq: 6 Jan 2016 14:27

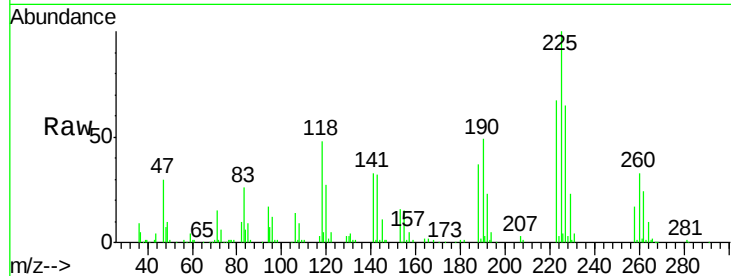
Instrument :

BNA_F

ClientSampled :

Tot Ion:225 Resp: 35086

Ion	Ratio	Lower	Upper
225	100		
223	66.7	31.8	95.3
227	65.3	30.4	91.2

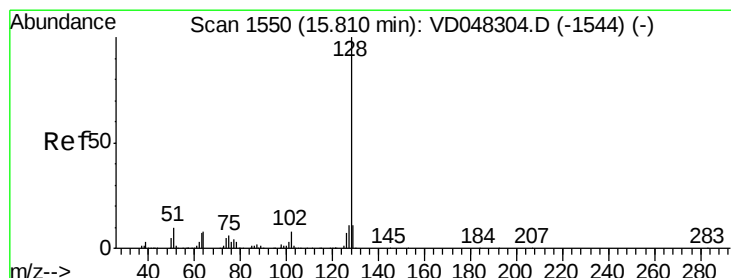
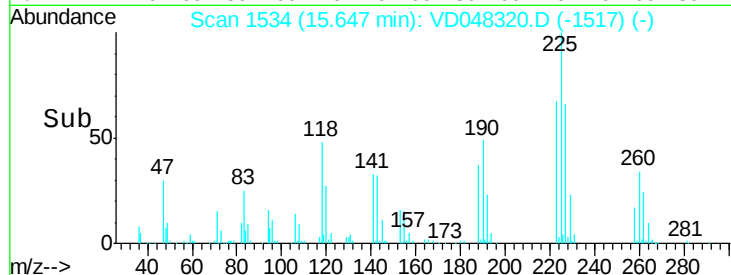
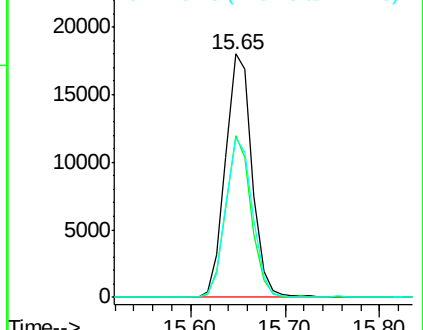


Abundance

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: 21.61 ug/l

RT: 15.79 min Scan# 1548

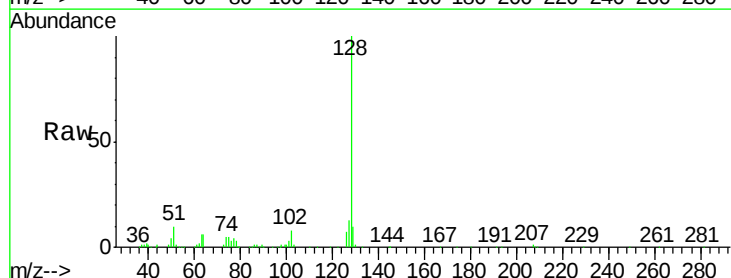
Delta R.T. -0.02 min

Lab File: VD048320.D

Acq: 6 Jan 2016 14:27

Tgt Ion:128 Resp: 108450

Ion	Ratio	Lower	Upper
128	100		
127	13.2	9.7	14.5
129	10.3	8.2	12.2

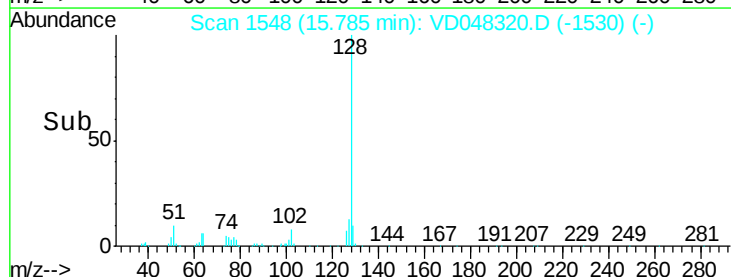
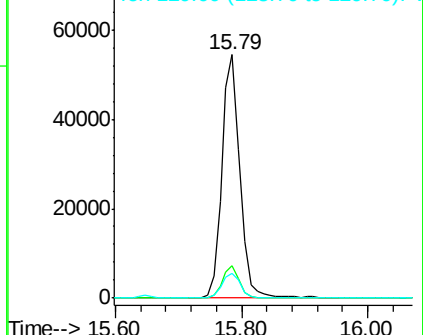


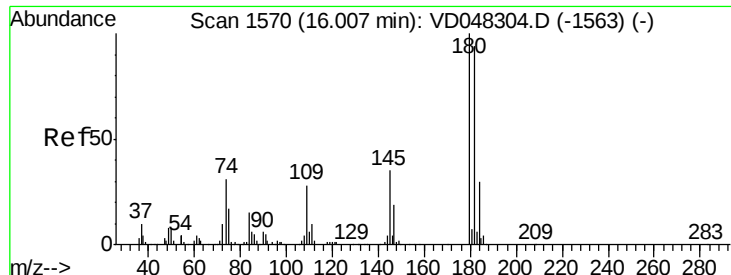
Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#95

1,2,3-Trichlorobenzene

Concen: 20.16 ug/l

RT: 15.98 min Scan# 1568

Delta R.T. -0.02 min

Lab File: VD048320.D

Acq: 6 Jan 2016 14:27

Instrument :

BNA_F

ClientSampleId :

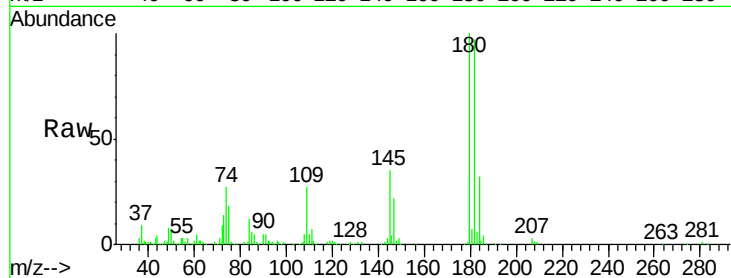
Tot Ion:180 Resp: 48409

Ion Ratio Lower Upper

180 100

182 96.9 49.0 147.0

145 35.4 16.8 50.3



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

