

Data Path : W:\HPCHEM1\MSVOA D\DATA\VD010616\
 Data File : VD048328.D
 Acq On : 6 Jan 2016 17:57
 Operator : FY/SY
 Sample : VD0106SBS08
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 07 04:31:12 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	184807	50.00	ug/l	-0.03
33) 1,4-Difluorobenzene	7.38	114	327482	50.00	ug/l	-0.03
62) Chlorobenzene-d5	11.54	117	324840	50.00	ug/l	-0.02
71) 1,4-Dichlorobenzene-d4	13.88	152	144820	50.00	ug/l	-0.02

System Monitoring Compounds

32) 1,2-Dichloroethane-d4	6.67	65	103769	45.82	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	91.64%	
34) Dibromofluoromethane	6.15	113	96087	43.45	ug/l	-0.04
Spiked Amount	50.000		Recovery	=	86.90%	
49) Toluene-d8	9.57	98	308342	42.18	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	84.36%	
61) 4-Bromofluorobenzene	12.81	95	131571	41.45	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	82.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.40	85	40673	17.01	ug/l	100
3) Chloromethane	1.60	50	21935	14.97	ug/l	97
4) Vinyl Chloride	1.66	62	21499	15.91	ug/l	99
5) Bromomethane	1.95	94	12647	14.26	ug/l	98
6) Chloroethane	2.05	64	11964	15.42	ug/l	99
7) Trichlorofluoromethane	2.29	101	50742	16.88	ug/l	94
8) Diethyl Ether	2.60	74	17390	19.84	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.85	101	34518	17.29	ug/l	97
10) Methyl Iodide	3.01	142	20989	15.78	ug/l	93
11) Tert butyl alcohol	3.64	59	11228	96.11	ug/l	98
12) 1,1-Dichloroethene	2.84	96	29329	17.11	ug/l	93
13) Acrolein	2.74	56	19457	110.35	ug/l	99
14) Allyl chloride	3.29	41	57811	16.54	ug/l	96
15) Acrylonitrile	3.79	53	36257	100.31	ug/l	99
16) Acetone	2.90	43	40824	81.10	ug/l	93
17) Carbon Disulfide	3.09	76	93065	15.42	ug/l	99
18) Methyl Acetate	3.30	43	24287	20.09	ug/l	95
19) Methyl tert-butyl Ether	3.85	73	73123	19.79	ug/l	94
20) Methylene Chloride	3.46	84	40035	17.60	ug/l	93
21) trans-1,2-Dichloroethene	3.84	96	31617	16.68	ug/l	96
22) Diisopropyl ether	4.60	45	120957	18.32	ug/l	95
23) Vinyl Acetate	4.55	43	339237	104.13	ug/l	100
24) 1,1-Dichloroethane	4.51	63	68272	17.77	ug/l	99
25) 2-Butanone	5.40	43	56485	107.42	ug/l	96
26) 2,2-Dichloropropane	5.38	77	57901	16.19	ug/l	99
27) cis-1,2-Dichloroethene	5.38	96	40125	18.17	ug/l	98
28) Bromochloromethane	5.74	49	30044	18.78	ug/l	94
29) Chloroform	5.92	83	76418	18.11	ug/l	96
30) Cyclohexane	6.22	56	54392	16.97	ug/l	97
31) 1,1,1-Trichloroethane	6.14	97	58426	17.80	ug/l	96
35) 1,1-Dichloropropene	6.38	75	57932	17.78	ug/l	97
36) Ethyl Acetate	5.49	43	27156	18.87	ug/l	99
37) Carbon Tetrachloride	6.36	117	46505	16.03	ug/l	98
38) Methylcyclohexane	8.03	83	59990	17.11	ug/l	97

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Benzene	6.67	78	153404	17.66	ug/l	99
40) Methacrylonitrile	5.70	41	17042	20.20	ug/l	96
41) 1,2-Dichloroethane	6.78	62	53152	19.48	ug/l	99
42) Isopropyl Acetate	8.36	43	42168	20.62	ug/l	98
43) Trichloroethene	7.70	130	43640	17.83	ug/l	100
44) 1,2-Dichloropropane	8.10	63	43947	18.23	ug/l #	89
45) Dibromomethane	8.22	93	25233	19.22	ug/l	95
46) Bromodichloromethane	8.51	83	54253	17.31	ug/l	98
47) Methyl methacrylate	8.03	41	32788	16.83	ug/l	98
48) 1,4-Dioxane	8.24	88	5386	455.89	ug/l	96
50) 4-Methyl-2-Pentanone	9.43	43	150650	110.79	ug/l	99
51) Toluene	9.67	92	95806	18.16	ug/l	99
52) t-1,3-Dichloropropene	10.08	75	54004	18.39	ug/l	97
53) cis-1,3-Dichloropropene	9.18	75	66750	17.92	ug/l	97
54) 1,1,2-Trichloroethane	10.35	97	32864	19.85	ug/l	96
55) Ethyl methacrylate	10.20	69	40651	20.70	ug/l	97
56) 1,3-Dichloropropane	10.56	76	64590	19.57	ug/l	99
57) 2-Chloroethyl Vinyl ether	8.98	63	125264	106.72	ug/l	99
58) 2-Hexanone	10.67	43	110573	117.52	ug/l	98
59) Dibromochloromethane	10.84	129	38250	17.43	ug/l	92
60) 1,2-Dibromoethane	10.98	107	33865	19.08	ug/l	99
63) Tetrachloroethene	10.42	164	34969	17.38	ug/l	94
64) Chlorobenzene	11.57	112	120256	18.57	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.68	131	41169	17.83	ug/l	97
66) Ethyl Benzene	11.69	91	202890	17.71	ug/l	100
67) m/p-Xylenes	11.84	106	147167	36.27	ug/l	92
68) o-Xylene	12.26	106	70696	18.11	ug/l	97
69) Stvrene	12.28	104	117769	18.86	ug/l	96
70) Bromoform	12.46	173	19962	17.64	ug/l	94
72) Isopropylbenzene	12.63	105	193815	17.53	ug/l	97
73) N-amyl acetate	12.47	43	63292	20.30	ug/l	98
74) 1,1,2,2-Tetrachloroethane	12.96	83	40965	19.96	ug/l	98
75) 1,2,3-Trichloropropane	13.00	75	45578	19.84	ug/l	96
76) Bromobenzene	12.94	156	47590	18.43	ug/l	92
77) n-propylbenzene	13.05	91	248234	17.42	ug/l	98
78) 2-Chlorotoluene	13.12	91	141092	17.71	ug/l	96
79) 1,3,5-Trimethylbenzene	13.22	105	153046	17.78	ug/l	98
80) trans-1,4-Dichloro-2-buten	12.70	75	10963	18.34	ug/l	90
81) 4-Chlorotoluene	13.24	91	162843	17.69	ug/l	96
82) tert-Butylbenzene	13.51	119	177532	21.29	ug/l	99
83) 1,2,4-Trimethylbenzene	13.56	105	153232	17.30	ug/l	94
84) sec-Butylbenzene	13.71	105	203729	17.22	ug/l	98
85) p-Isopropyltoluene	13.84	119	173177	17.60	ug/l	98
86) 1,3-Dichlorobenzene	13.81	146	88940	17.98	ug/l	98
87) 1,4-Dichlorobenzene	13.90	146	90095	18.24	ug/l	99
88) n-Butylbenzene	14.19	91	165025	16.77	ug/l	97
89) Hexachloroethane	14.44	117	30075	15.00	ug/l	78
90) 1,2-Dichlorobenzene	14.21	146	79401	18.25	ug/l	94
91) 1,2-Dibromo-3-Chloropropan	14.86	75	5138	19.23	ug/l	91
92) 1,2,4-Trichlorobenzene	15.54	180	47444	18.17	ug/l	94

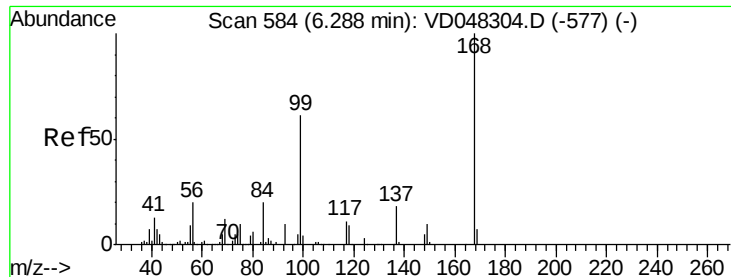
Data Path : W:\HPCHEM1\MSVOA D\DATA\VD010616\
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Quant Title : SW846 8260
QLast Update : Mon Jan 04 14:08:32 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Hexachlorobutadiene	15.65	225	29528	17.07	µg/l	96
94) Naphthalene	15.79	128	90831	20.51	µg/l	99
95) 1,2,3-Trichlorobenzene	15.98	180	40145	18.75	µg/l	96

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.25 min Scan# 581

Delta R.T. -0.03 min

Lab File: VD048328.D

Acq: 6 Jan 2016 17:57

Instrument :

BNA_F

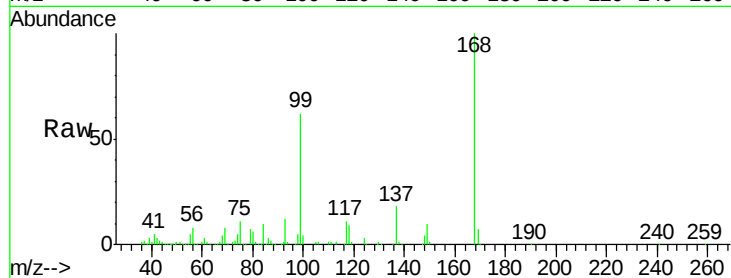
ClientSampleId :

Tot Ion:168 Resp: 184807

Ion Ratio Lower Upper

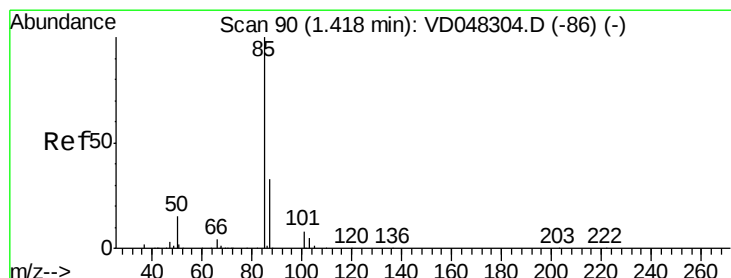
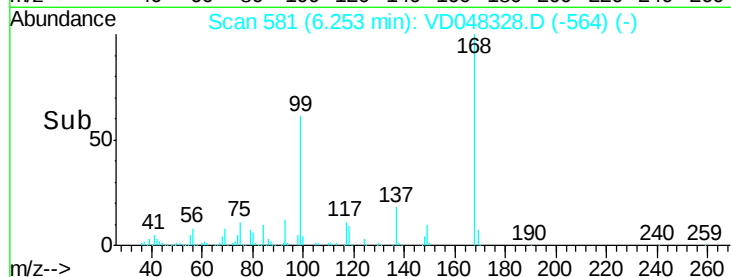
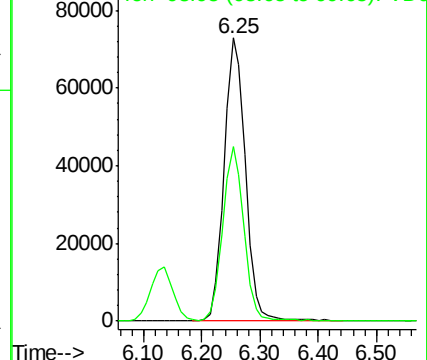
168 100

99 61.7 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: 17.01 ug/l

RT: 1.40 min Scan# 89

Delta R.T. -0.01 min

Lab File: VD048328.D

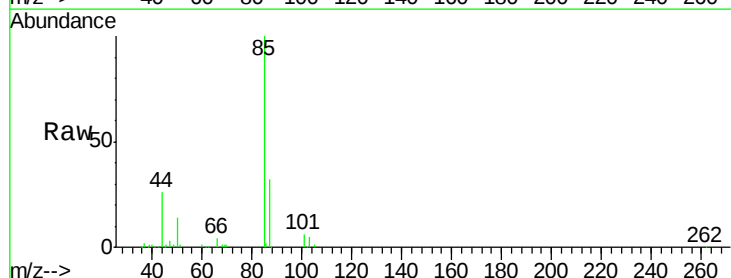
Acq: 6 Jan 2016 17:57

Tgt Ion: 85 Resp: 40673

Ion Ratio Lower Upper

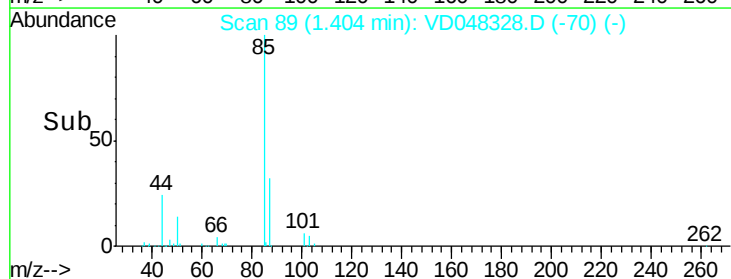
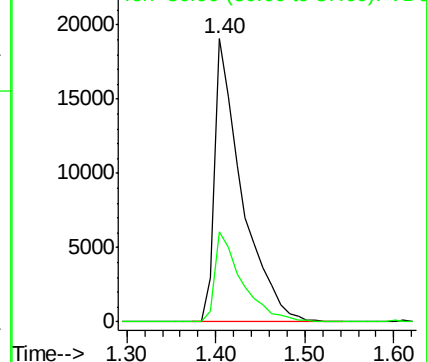
85 100

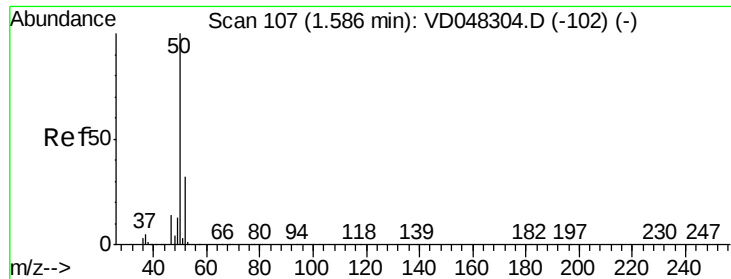
87 31.9 16.1 48.2



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 14.97 ug/l

RT: 1.60 min Scan# 109

Delta R.T. 0.02 min

Lab File: VD048328.D

Acq: 6 Jan 2016 17:57

Instrument :

BNA_F

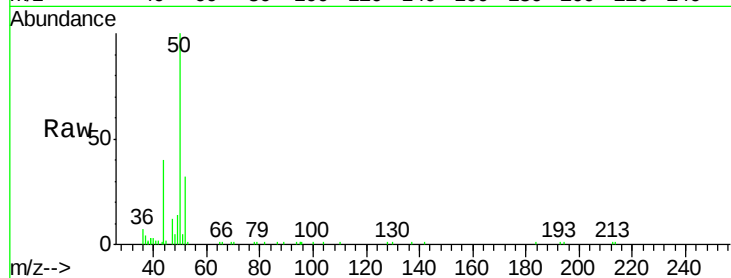
ClientSampleId :

Tot Ion: 50 Resp: 21935

Ion Ratio Lower Upper

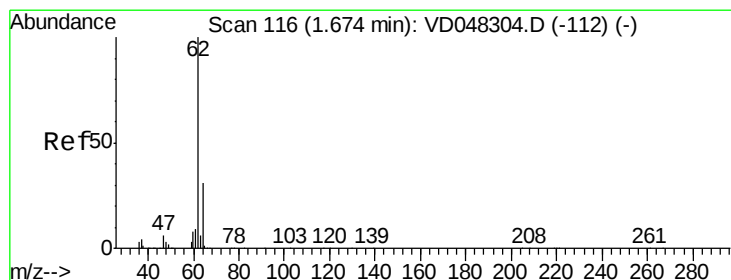
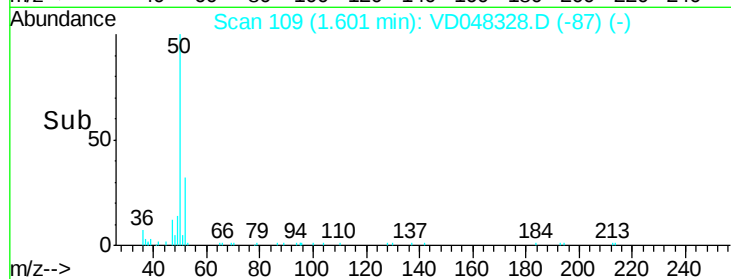
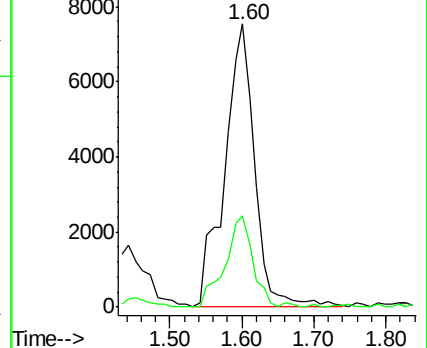
50 100

52 32.3 24.4 36.6



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 15.91 ug/l

RT: 1.66 min Scan# 115

Delta R.T. -0.01 min

Lab File: VD048328.D

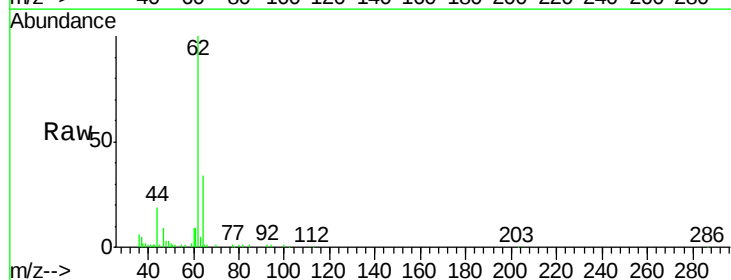
Acq: 6 Jan 2016 17:57

Tgt Ion: 62 Resp: 21499

Ion Ratio Lower Upper

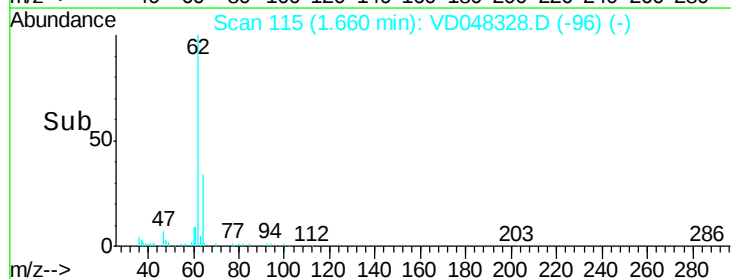
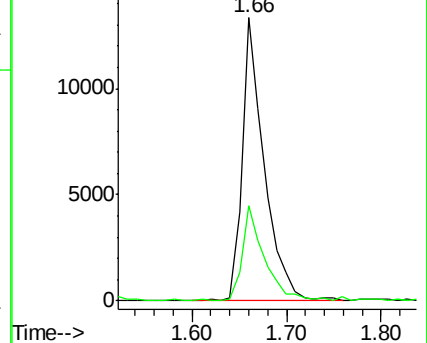
62 100

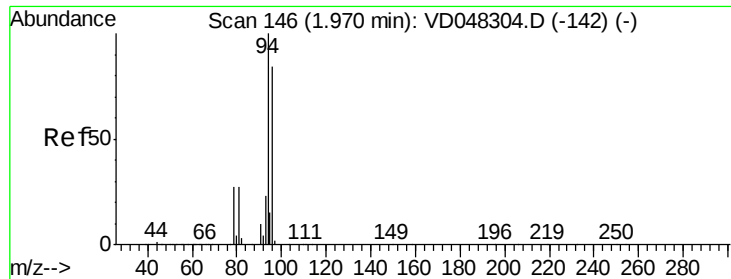
64 33.9 27.5 41.3



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 14.26 ug/l

RT: 1.95 min Scan# 144

Delta R.T. -0.02 min

Lab File: VD048328.D

Acq: 6 Jan 2016 17:57

Instrument :

BNA_F

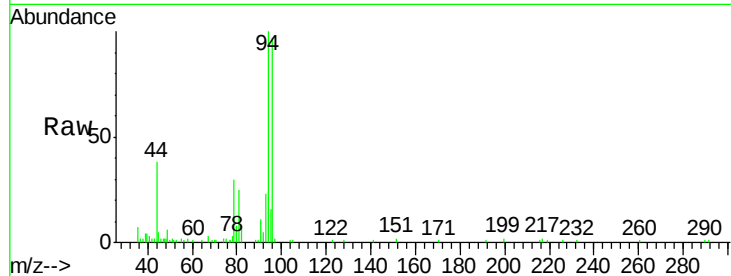
ClientSampleId :

Tot Ion: 94 Resp: 12647

Ion Ratio Lower Upper

94 100

96 96.8 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

5000

4000

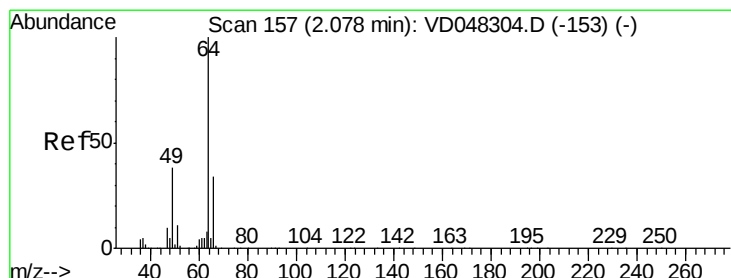
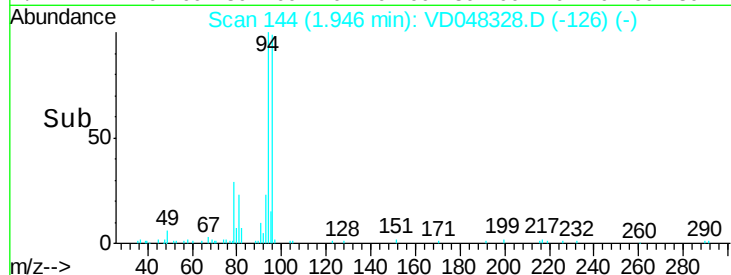
3000

2000

1000

0

Time-->



#6

Chloroethane

Concen: 15.42 ug/l

RT: 2.05 min Scan# 155

Delta R.T. -0.02 min

Lab File: VD048328.D

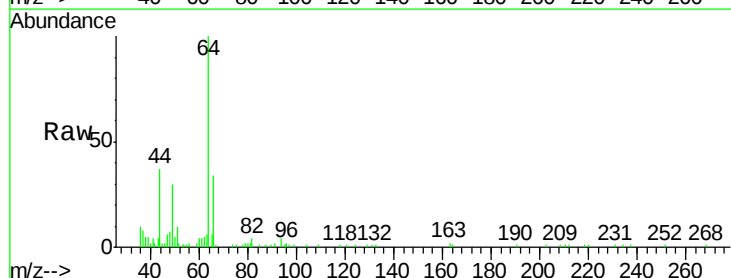
Acq: 6 Jan 2016 17:57

Tgt Ion: 64 Resp: 11964

Ion Ratio Lower Upper

64 100

66 34.2 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

5000

4000

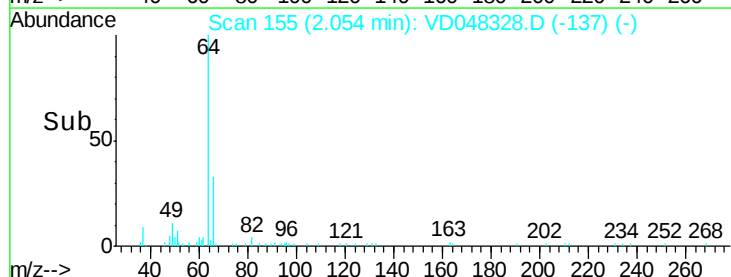
3000

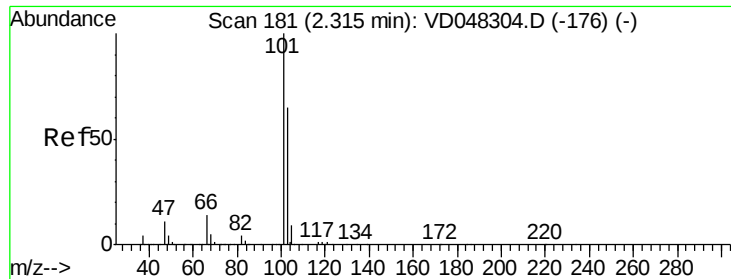
2000

1000

0

Time-->



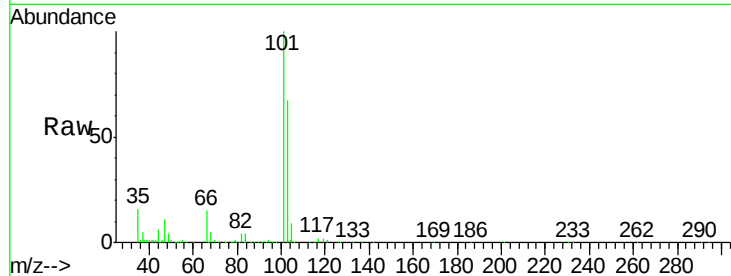


#7

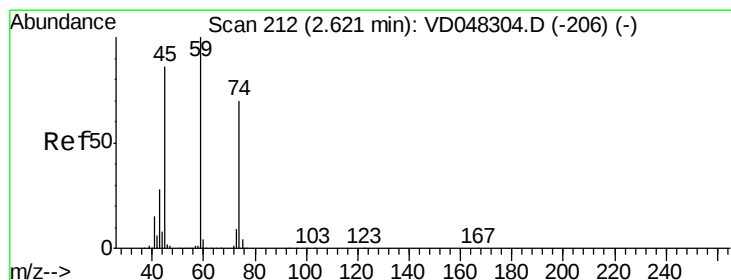
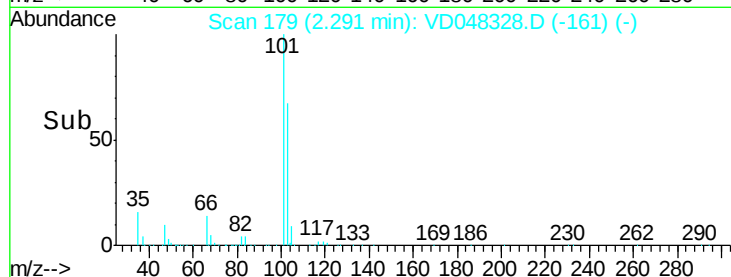
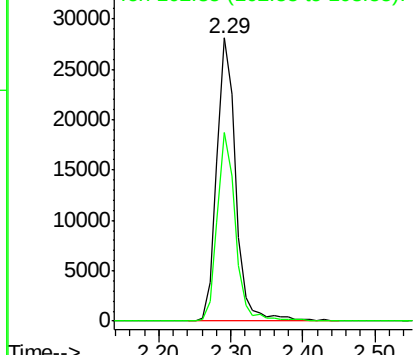
Trichlorofluoromethane
Concen: 16.88 ug/l
RT: 2.29 min Scan# 179
Delta R.T. -0.02 min
Lab File: VD048328.D
Acq: 6 Jan 2016 17:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion:101 Resp: 50742
Ion Ratio Lower Upper
101 100
103 66.7 49.4 74.0



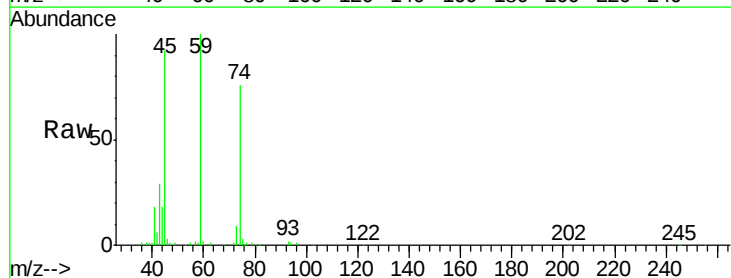
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



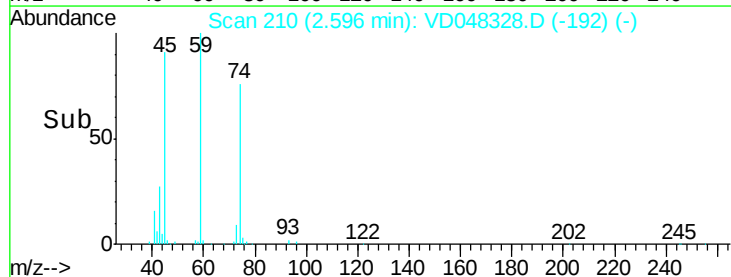
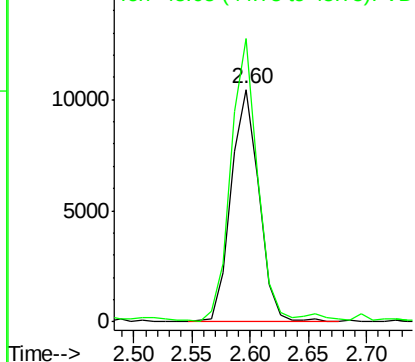
#8

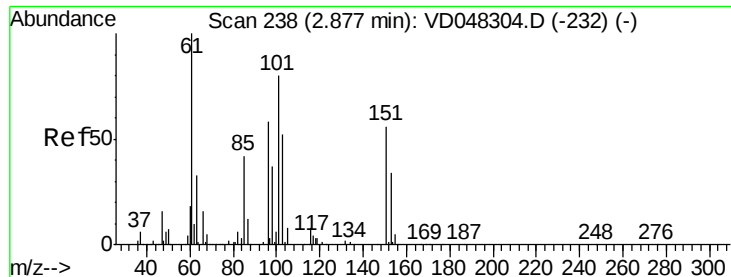
Diethyl Ether
Concen: 19.84 ug/l
RT: 2.60 min Scan# 210
Delta R.T. -0.02 min
Lab File: VD048328.D
Acq: 6 Jan 2016 17:57

Tgt Ion: 74 Resp: 17390
Ion Ratio Lower Upper
74 100
45 121.9 56.9 170.6



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.29 ug/l

RT: 2.85 min Scan# 236

Delta R.T. -0.02 min

Lab File: VD048328.D

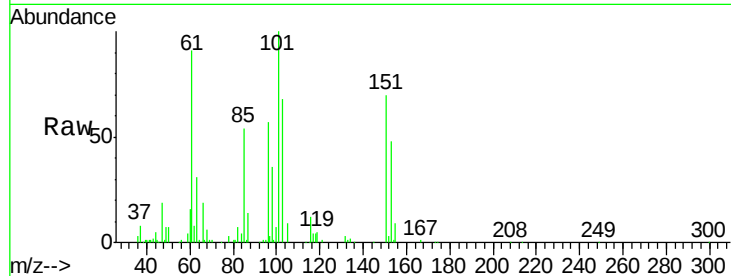
Acq: 6 Jan 2016 17:57

Instrument :

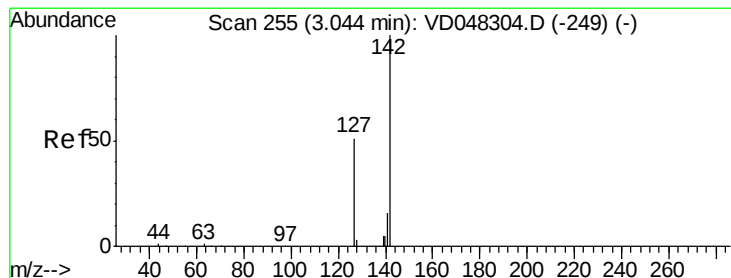
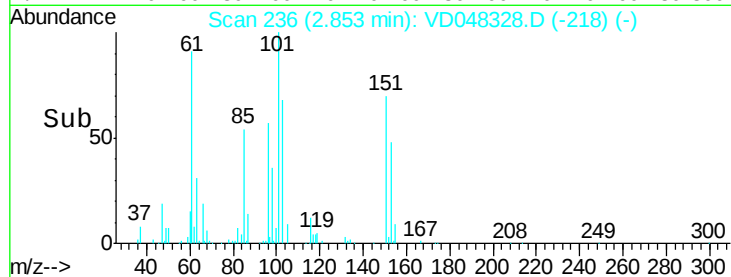
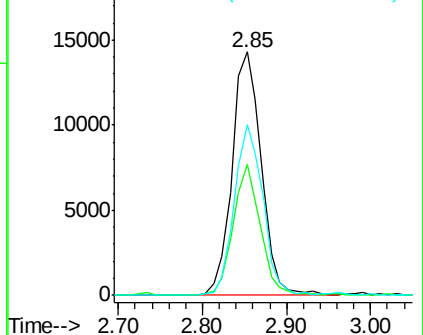
BNA_F

ClientSampleId :

Tot Ion:	101	Resp:	34518
Ion	Ratio	Lower	Upper
101	100		
85	53.6	41.0	61.4
151	70.3	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: 15.78 ug/l

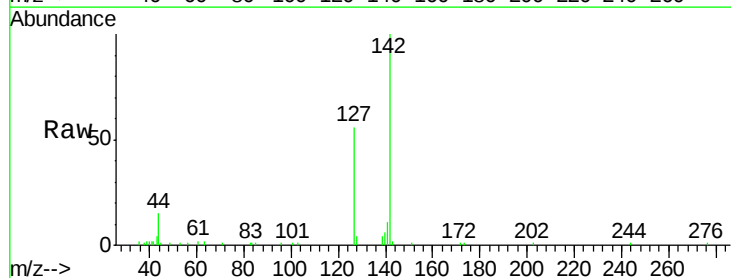
RT: 3.01 min Scan# 252

Delta R.T. -0.03 min

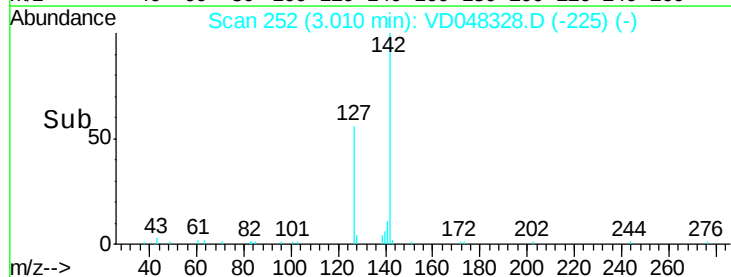
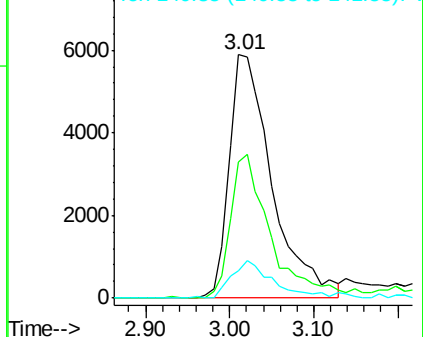
Lab File: VD048328.D

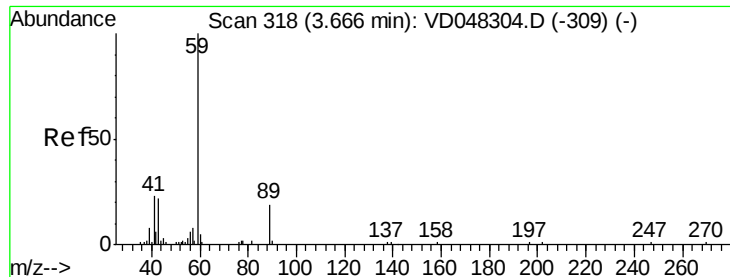
Acq: 6 Jan 2016 17:57

Tgt Ion:	142	Resp:	20989
Ion	Ratio	Lower	Upper
142	100		
127	56.1	40.6	61.0
141	11.3	11.1	16.7



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

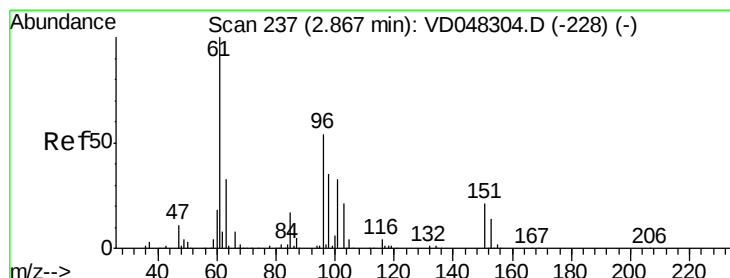
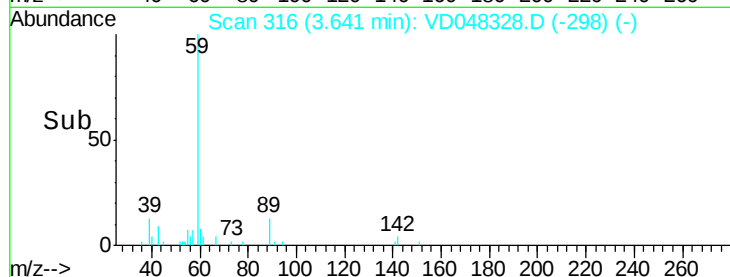
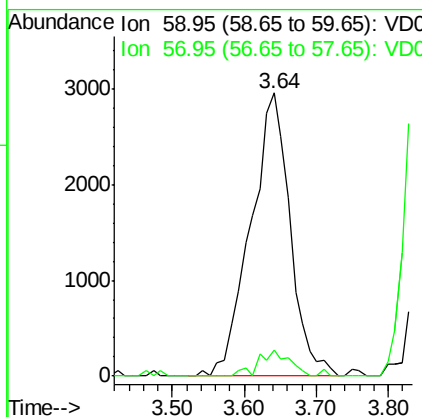
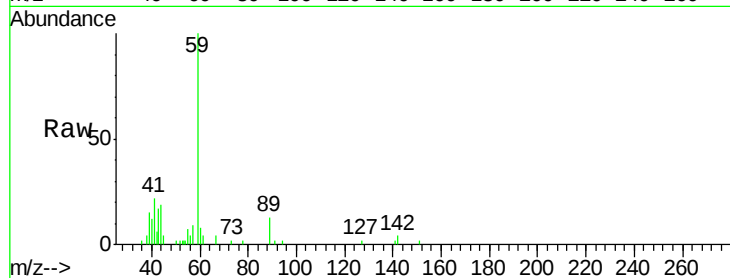




#11
Tert butyl alcohol
Concen: 96.11 ug/l
RT: 3.64 min Scan# 316
Delta R.T. -0.02 min
Lab File: VD048328.D
Acq: 6 Jan 2016 17:57

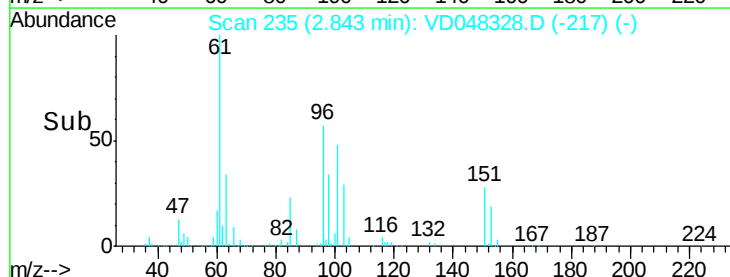
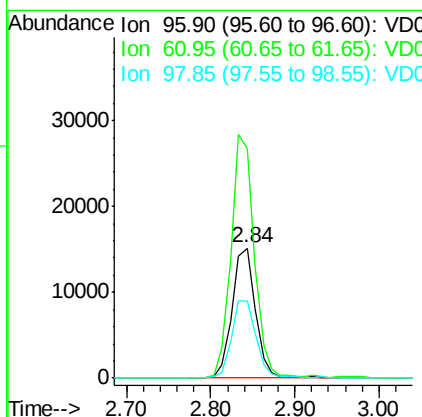
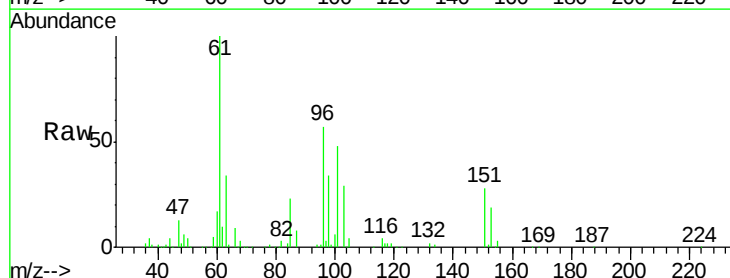
Instrument :
BNA_F
ClientSampleId :

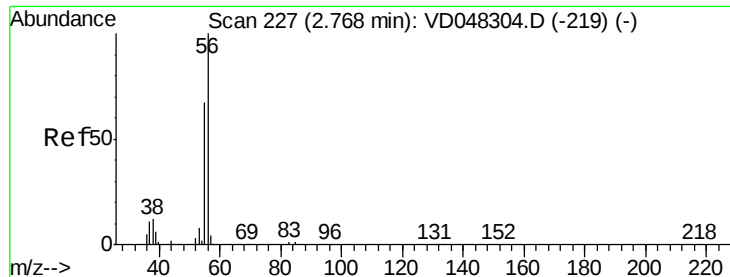
Tot Ion: 59 Resp: 11228
Ion Ratio Lower Upper
59 100
57 9.1 7.9 11.9



#12
1,1-Dichloroethene
Concen: 17.11 ug/l
RT: 2.84 min Scan# 235
Delta R.T. -0.02 min
Lab File: VD048328.D
Acq: 6 Jan 2016 17:57

Tgt Ion: 96 Resp: 29329
Ion Ratio Lower Upper
96 100
61 176.4 150.1 225.1
98 59.9 50.6 76.0





#13

Acrolein

Concen: 110.35 ug/l

RT: 2.74 min Scan# 225

Delta R.T. -0.02 min

Lab File: VD048328.D

Acq: 6 Jan 2016 17:57

Instrument :

BNA_F

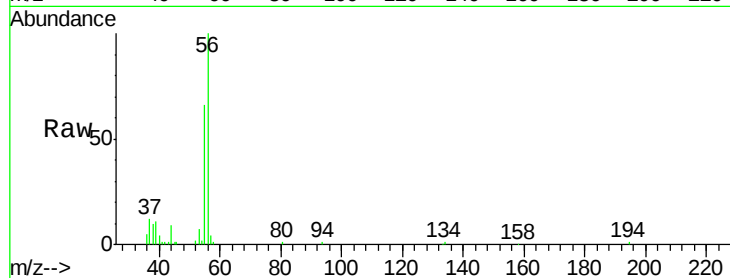
ClientSampleId :

Tot Ion: 56 Resp: 19457

Ion Ratio Lower Upper

56 100

55 66.2 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

12000

10000

8000

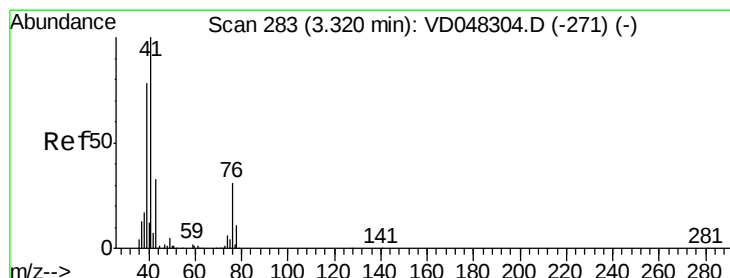
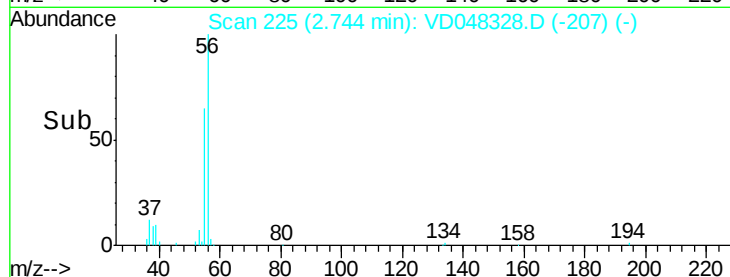
6000

4000

2000

0

Time-->



#14

Allyl chloride

Concen: 16.54 ug/l

RT: 3.29 min Scan# 280

Delta R.T. -0.03 min

Lab File: VD048328.D

Acq: 6 Jan 2016 17:57

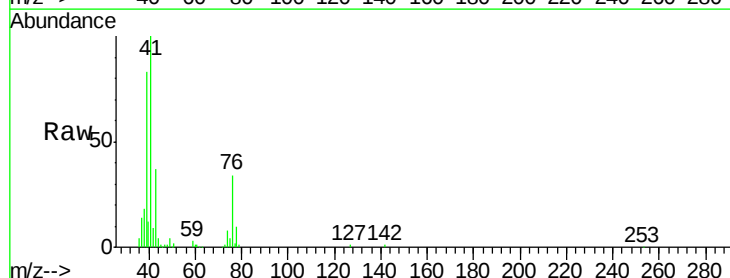
Tgt Ion: 41 Resp: 57811

Ion Ratio Lower Upper

41 100

39 82.6 62.5 93.7

76 34.0 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

50000

40000

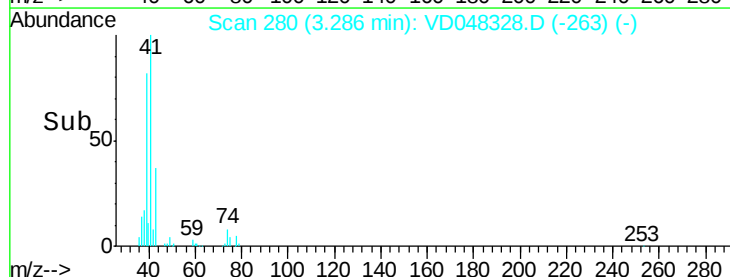
30000

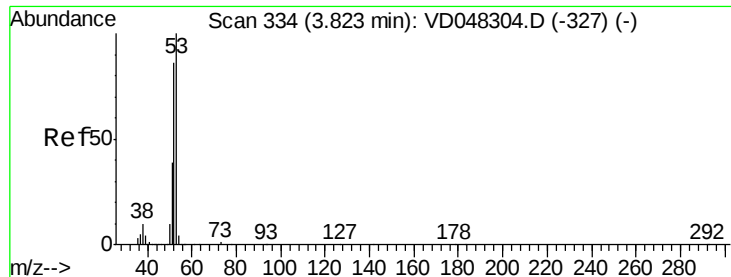
20000

10000

0

Time-->





#15

Acrylonitrile

Concen: 100.31 ug/l

RT: 3.79 min Scan# 331

Delta R.T. -0.03 min

Lab File: VD048328.D

Acq: 6 Jan 2016 17:57

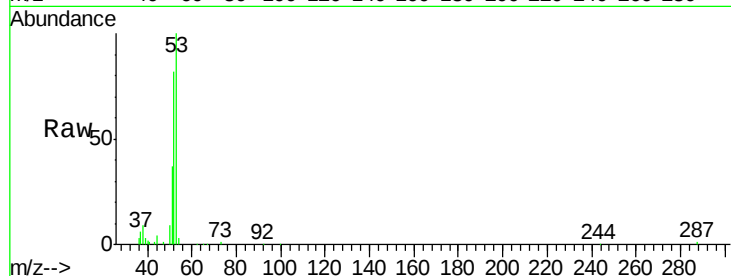
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 53 Resp: 36257

Ion	Ratio	Lower	Upper
53	100		
52	81.8	65.7	98.5
51	36.8	29.9	44.9

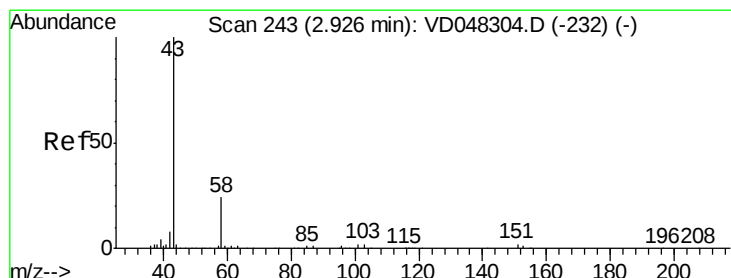
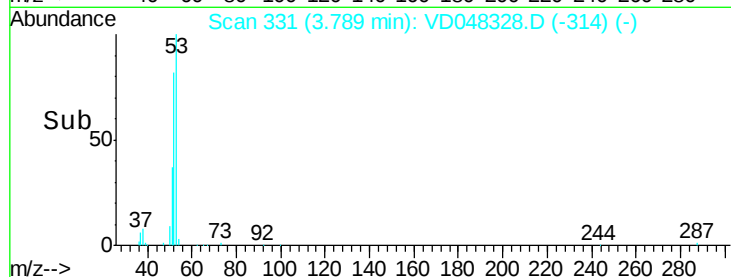
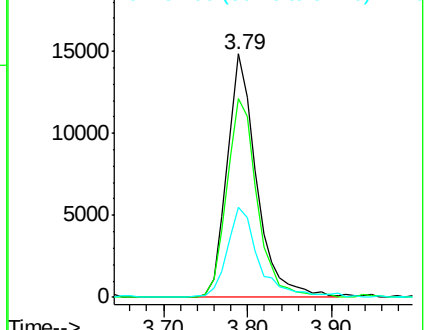


Abundance

Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 81.10 ug/l

RT: 2.90 min Scan# 241

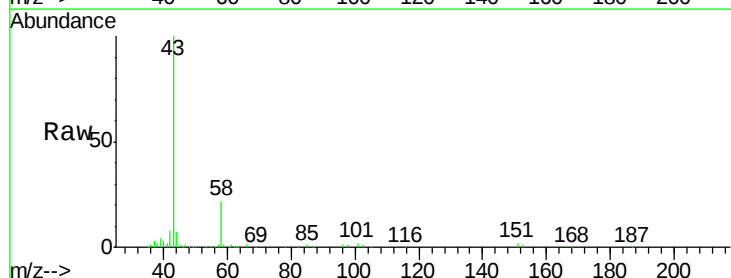
Delta R.T. -0.02 min

Lab File: VD048328.D

Acq: 6 Jan 2016 17:57

Tgt Ion: 43 Resp: 40824

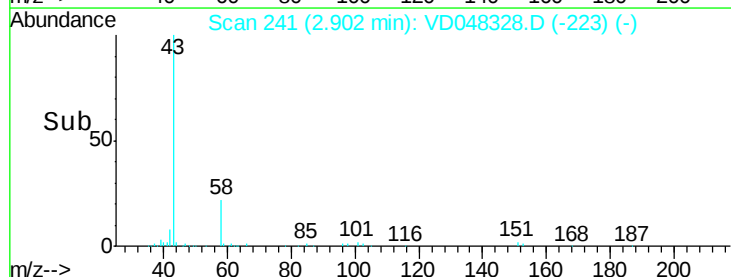
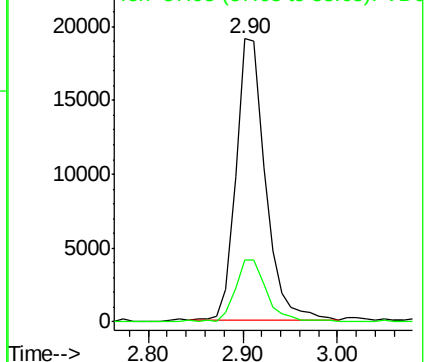
Ion	Ratio	Lower	Upper
43	100		
58	22.1	20.6	30.8

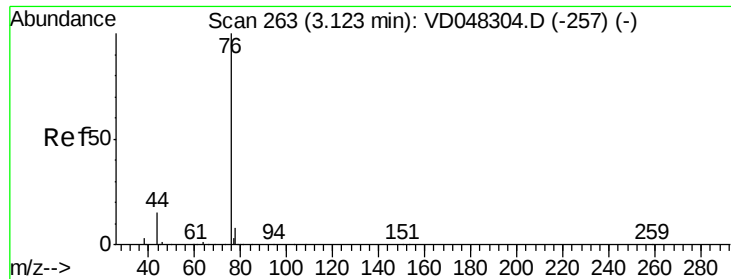


Abundance

Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

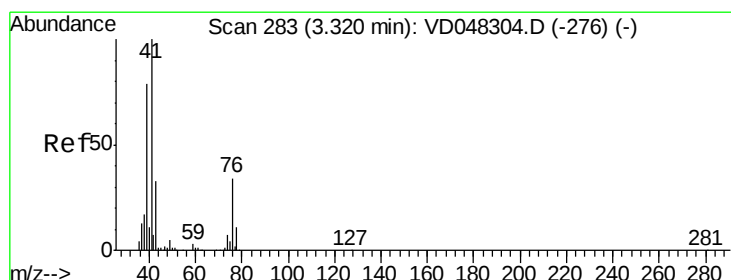
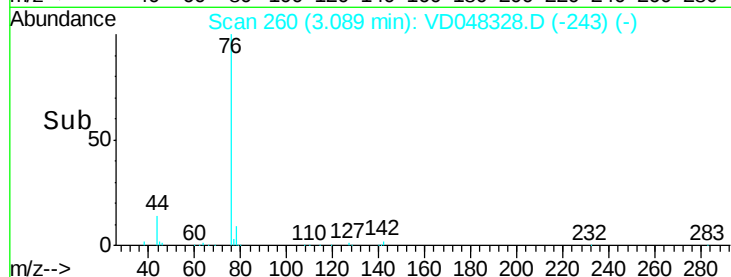
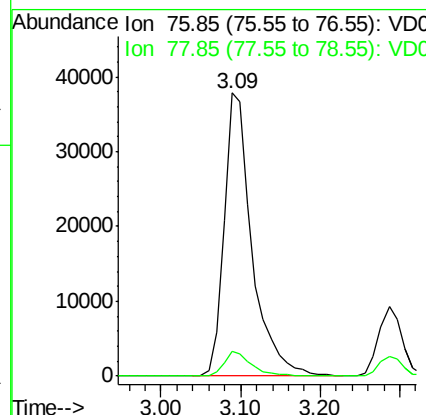
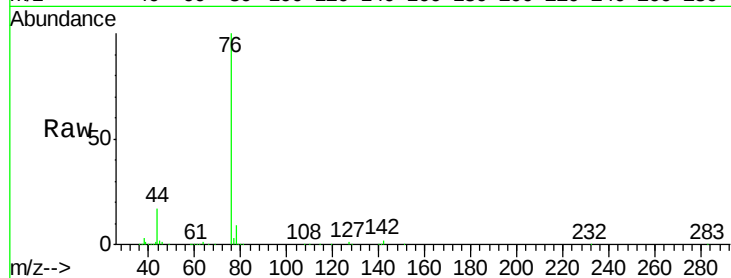




#17
Carbon Disulfide
Concen: 15.42 ug/l
RT: 3.09 min Scan# 260
Delta R.T. -0.03 min
Lab File: VD048328.D
Acq: 6 Jan 2016 17:57

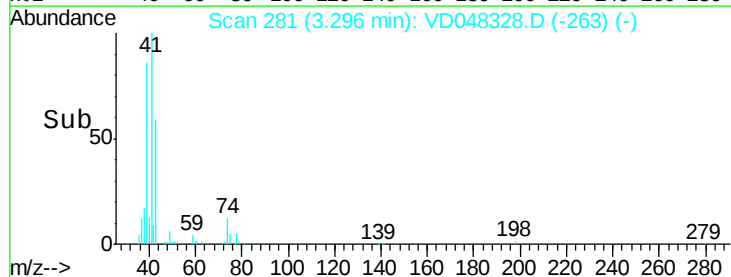
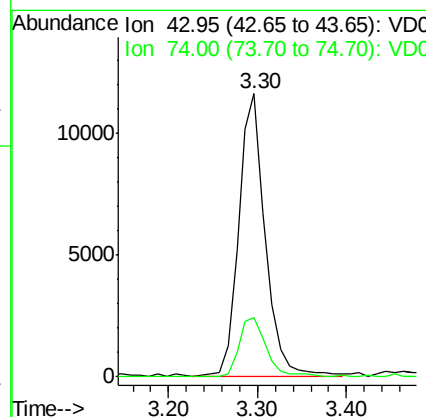
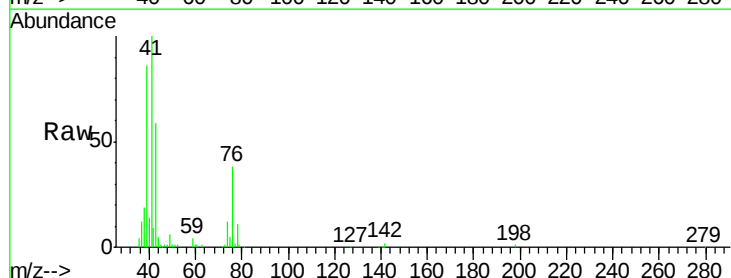
Instrument :
BNA_F
ClientSampleId :

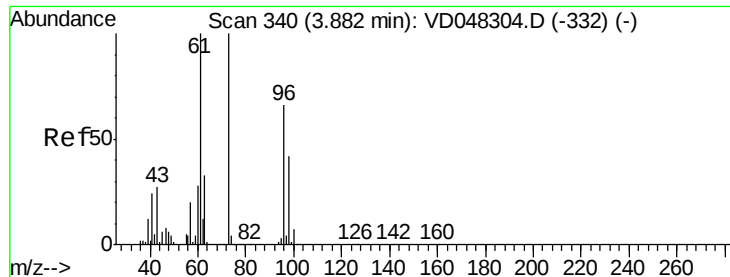
Tot Ion: 76 Resp: 93065
Ion Ratio Lower Upper
76 100
78 8.7 7.1 10.7



#18
Methyl Acetate
Concen: 20.09 ug/l
RT: 3.30 min Scan# 281
Delta R.T. -0.02 min
Lab File: VD048328.D
Acq: 6 Jan 2016 17:57

Tgt Ion: 43 Resp: 24287
Ion Ratio Lower Upper
43 100
74 21.1 15.2 22.8



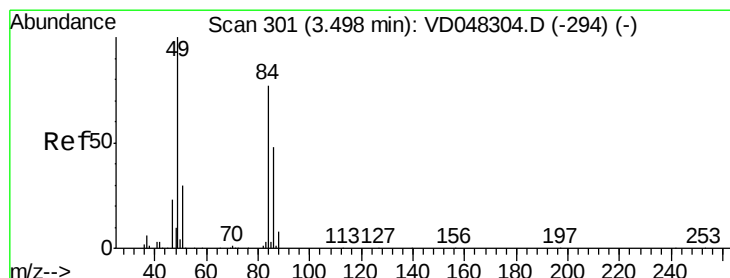
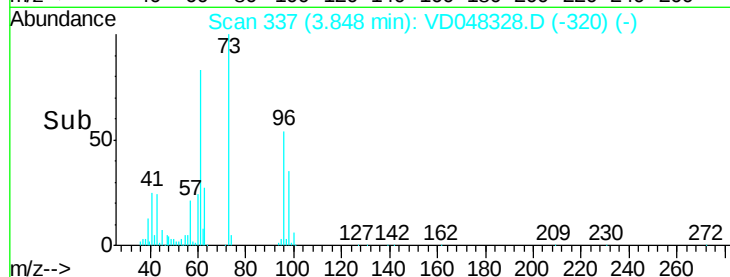
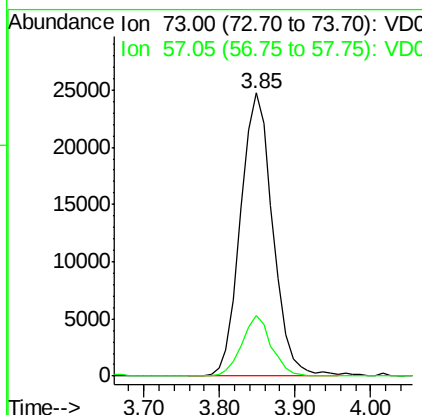
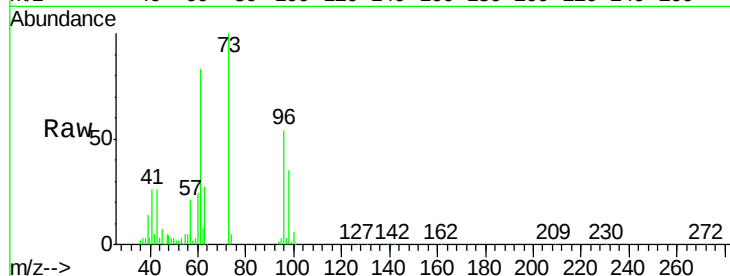


#19

Methyl tert-butyl Ether
 Concen: 19.79 ug/l
 RT: 3.85 min Scan# 337
 Delta R.T. -0.03 min
 Lab File: VD048328.D
 Acq: 6 Jan 2016 17:57

Instrument :
 BNA_F
 ClientSampleId :

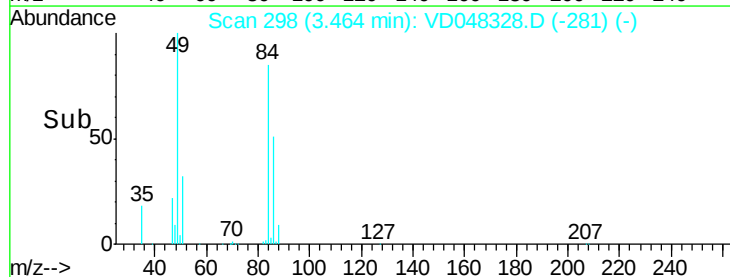
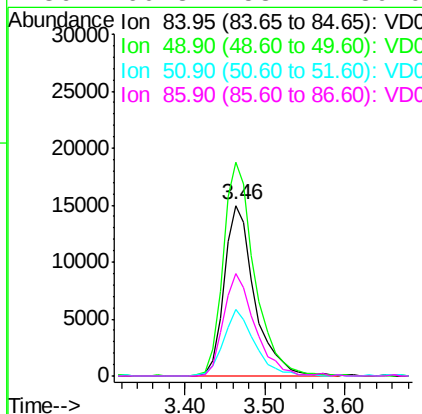
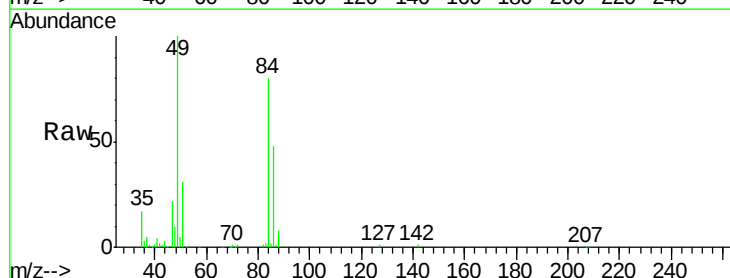
Tot Ion: 73 Resp: 73123
 Ion Ratio Lower Upper
 73 100
 57 21.5 15.1 22.7

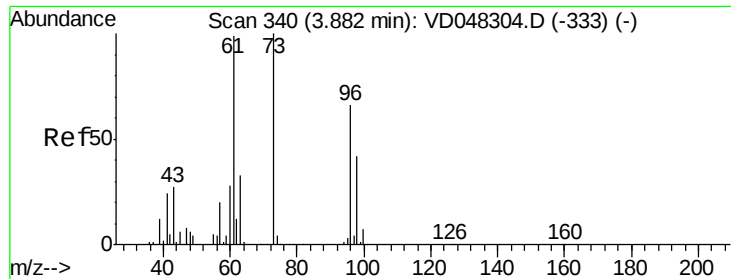


#20

Methylene Chloride
 Concen: 17.60 ug/l
 RT: 3.46 min Scan# 298
 Delta R.T. -0.03 min
 Lab File: VD048328.D
 Acq: 6 Jan 2016 17:57

Tgt Ion: 84 Resp: 40035
 Ion Ratio Lower Upper
 84 100
 49 125.2 106.5 159.7
 51 38.9 33.2 49.8
 86 60.3 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 16.68 ug/l

RT: 3.84 min Scan# 336

Delta R.T. -0.04 min

Lab File: VD048328.D

Acq: 6 Jan 2016 17:57

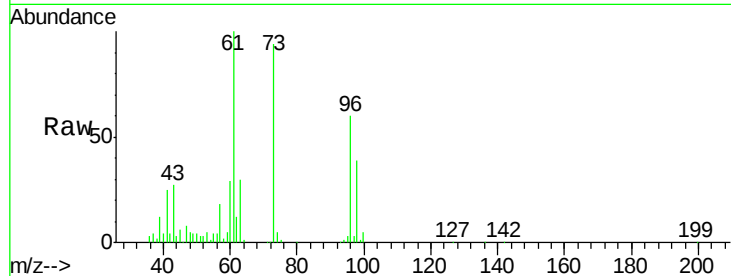
Instrument :

BNA_F

ClientSampled :

Tot Ion: 96 Resp: 31617

Ion	Ratio	Lower	Upper
96	100		
61	167.1	129.7	194.5
98	65.2	49.1	73.7

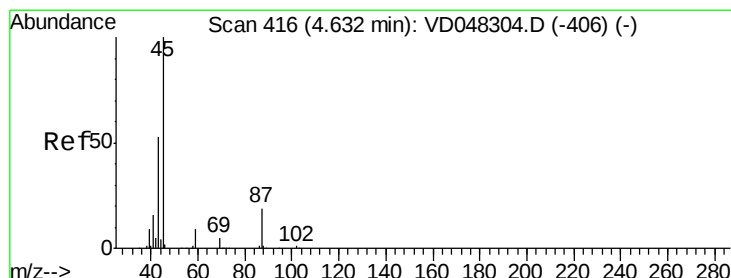
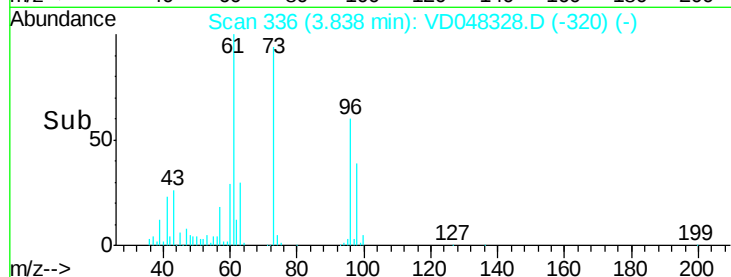
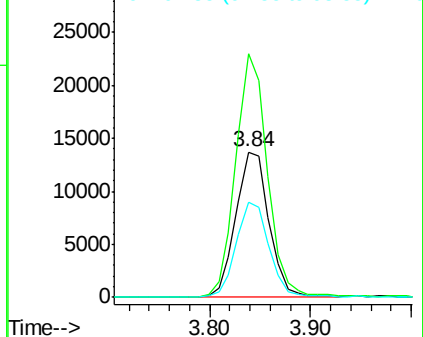


Abundance

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: 18.32 ug/l

RT: 4.60 min Scan# 413

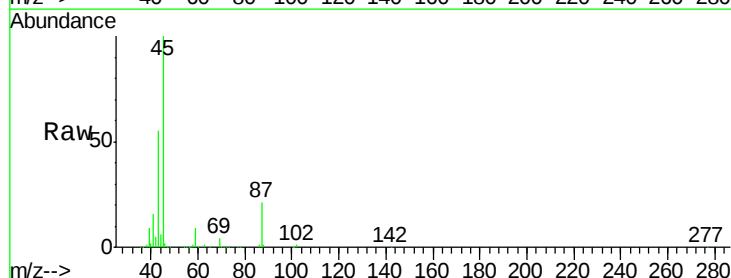
Delta R.T. -0.03 min

Lab File: VD048328.D

Acq: 6 Jan 2016 17:57

Tgt Ion: 45 Resp: 120957

Ion	Ratio	Lower	Upper
45	100		
43	54.8	40.0	60.0
87	21.3	15.8	23.8
59	9.0	8.0	12.0



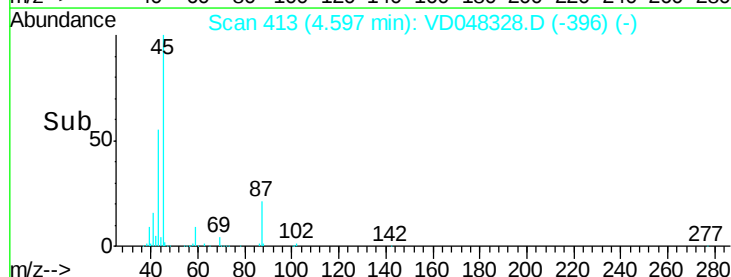
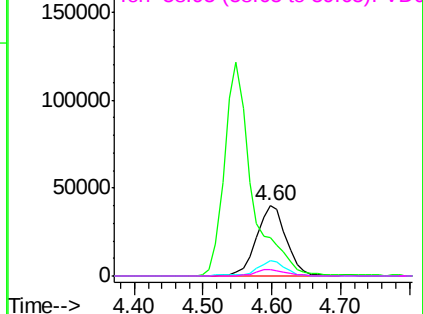
Abundance

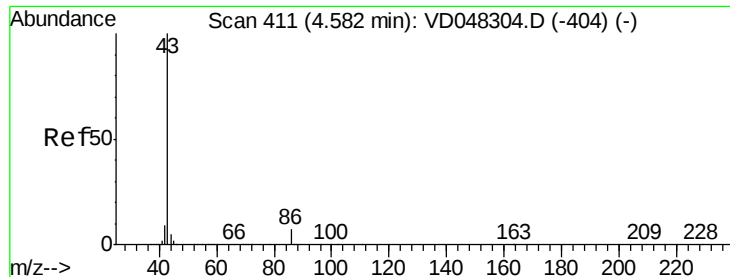
Ion 45.05 (44.75 to 45.75): VDC

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: 104.13 ug/l

RT: 4.55 min Scan# 408

Delta R.T. -0.03 min

Lab File: VD048328.D

Acq: 6 Jan 2016 17:57

Instrument :

BNA_F

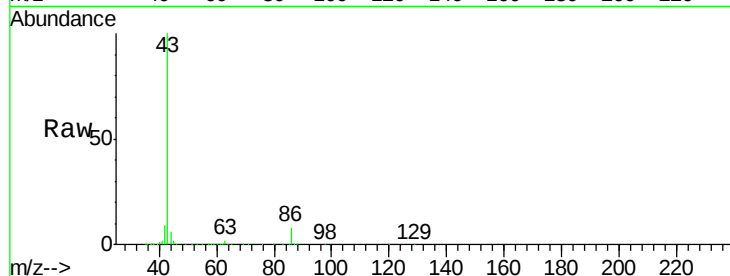
ClientSampleId :

Tot Ion: 43 Resp: 339237

Ion Ratio Lower Upper

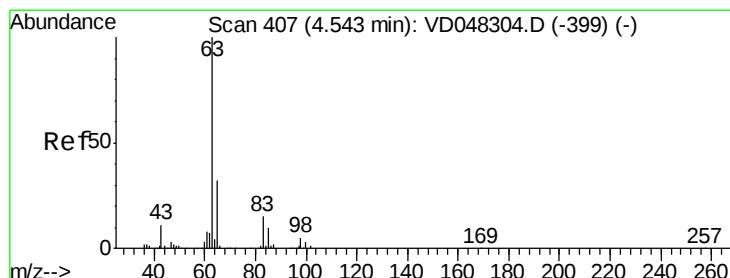
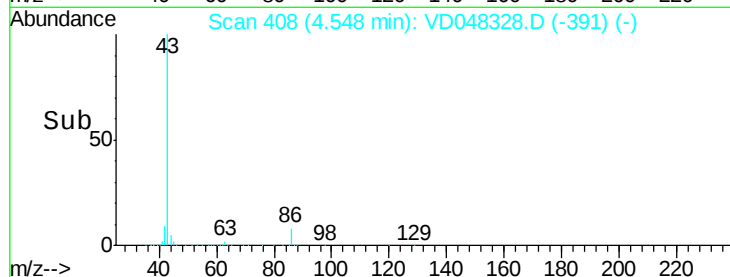
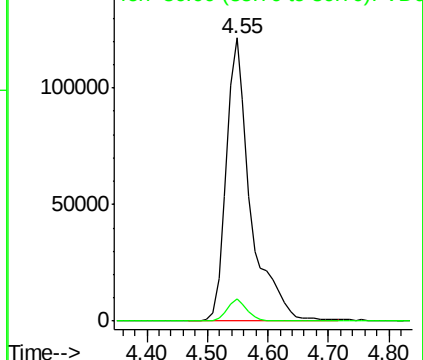
43 100

86 7.8 6.3 9.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 17.77 ug/l

RT: 4.51 min Scan# 404

Delta R.T. -0.03 min

Lab File: VD048328.D

Acq: 6 Jan 2016 17:57

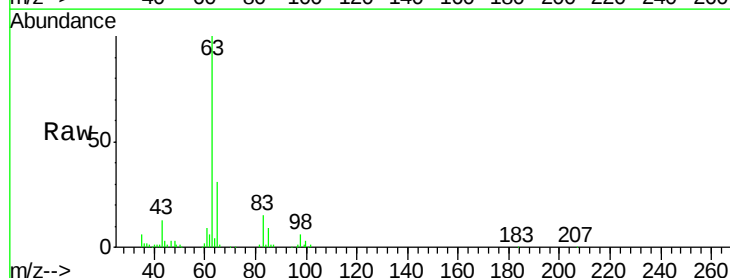
Tgt Ion: 63 Resp: 68272

Ion Ratio Lower Upper

63 100

98 5.6 2.5 7.5

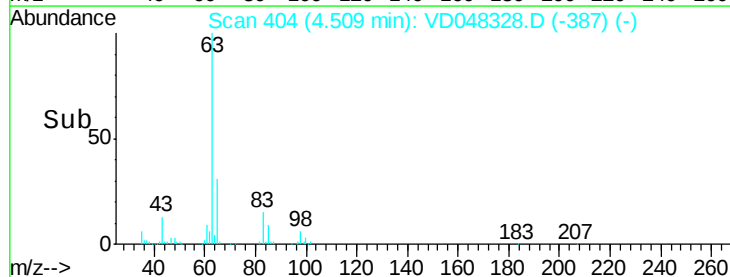
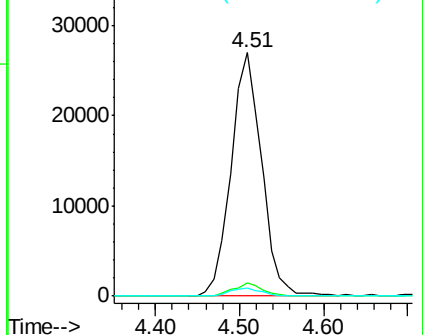
100 3.3 1.6 4.7

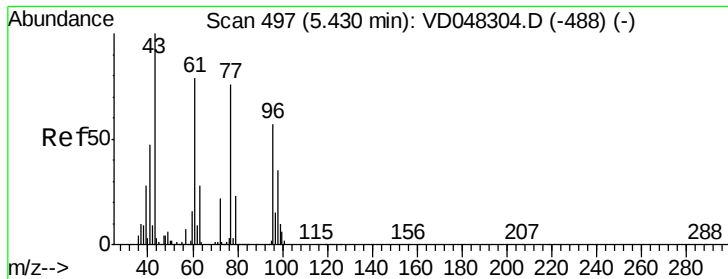


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 107.42 ug/l

RT: 5.40 min Scan# 494

Delta R.T. -0.03 min

Lab File: VD048328.D

Acq: 6 Jan 2016 17:57

Instrument :

BNA_F

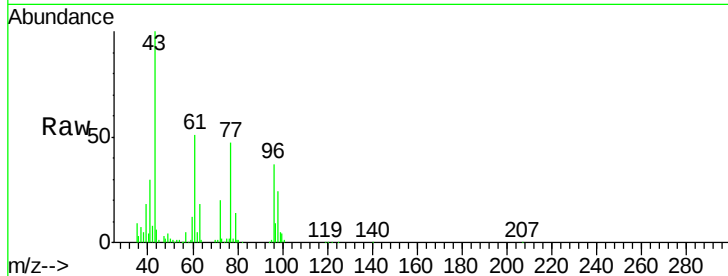
ClientSampleId :

Tot Ion: 43 Resp: 56485

Ion Ratio Lower Upper

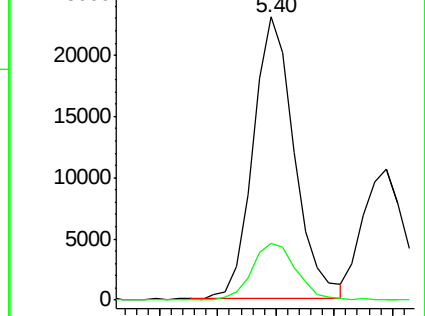
43 100

72 20.1 17.8 26.6

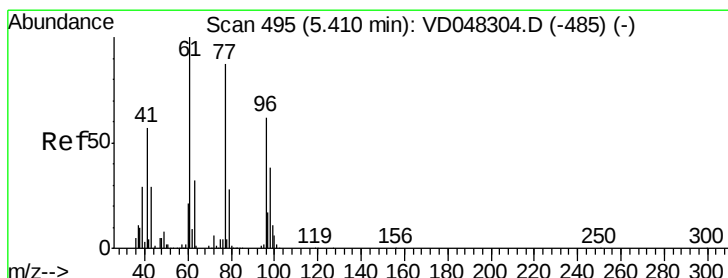
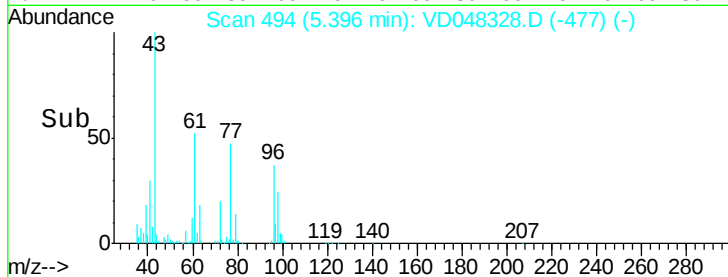


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



Time-->



#26

2,2-Dichloropropane

Concen: 16.19 ug/l

RT: 5.38 min Scan# 492

Delta R.T. -0.03 min

Lab File: VD048328.D

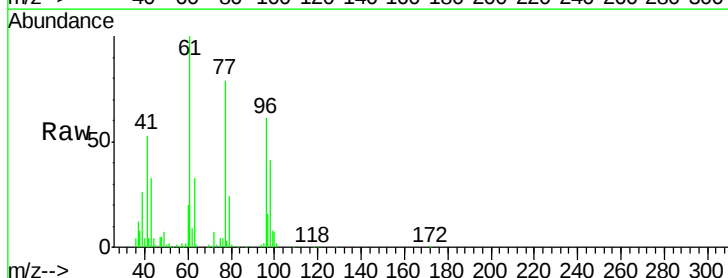
Acq: 6 Jan 2016 17:57

Tgt Ion: 77 Resp: 57901

Ion Ratio Lower Upper

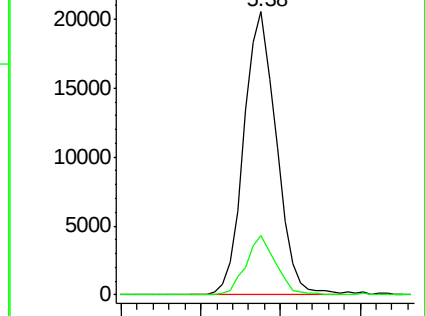
77 100

97 20.8 10.5 31.6

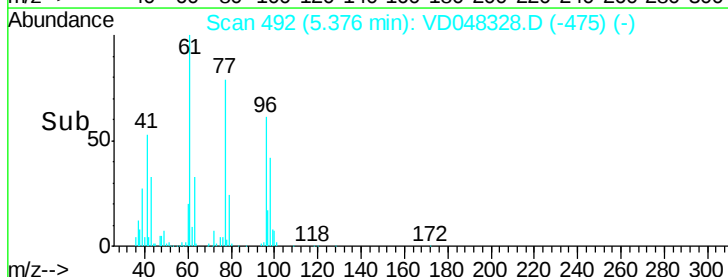


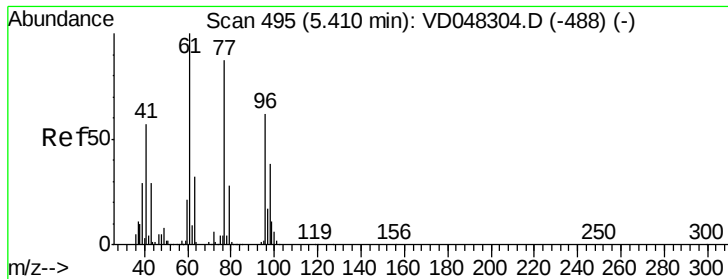
Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



Time-->





#27

cis-1,2-Dichloroethene

Concen: 18.17 ug/l

RT: 5.38 min Scan# 492

Delta R.T. -0.03 min

Lab File: VD048328.D

Acq: 6 Jan 2016 17:57

Instrument :

BNA_F

ClientSampleId :

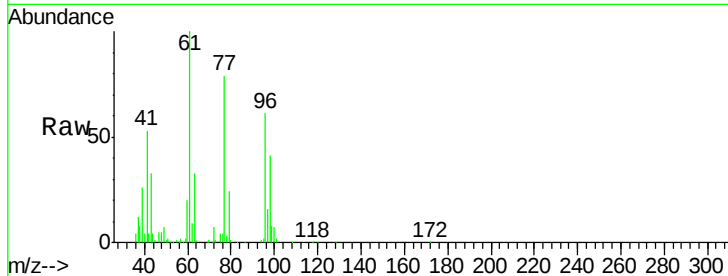
Tot Ion: 96 Resp: 40125

Ion Ratio Lower Upper

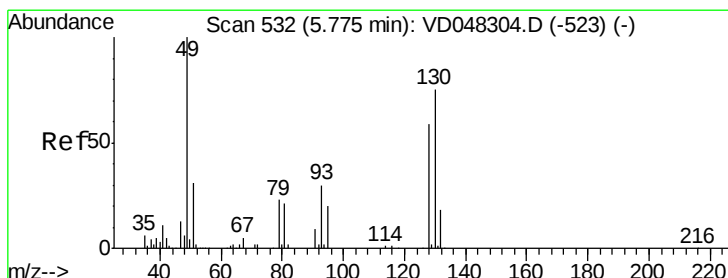
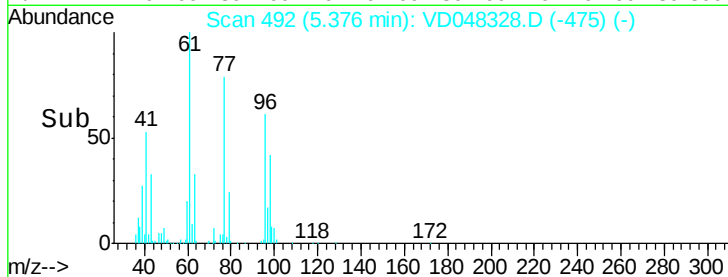
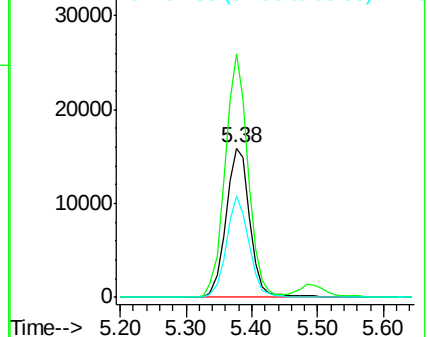
96 100

61 163.3 0.0 332.6

98 67.7 0.0 130.8



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



#28

Bromochloromethane

Concen: 18.78 ug/l

RT: 5.74 min Scan# 529

Delta R.T. -0.03 min

Lab File: VD048328.D

Acq: 6 Jan 2016 17:57

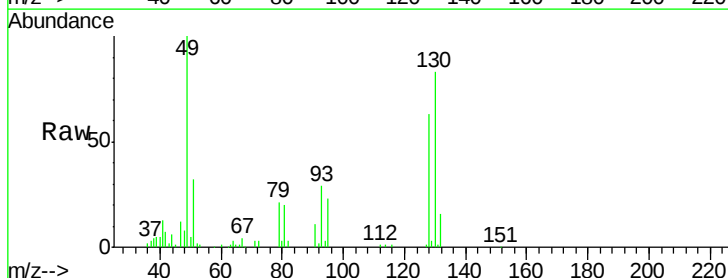
Tgt Ion: 49 Resp: 30044

Ion Ratio Lower Upper

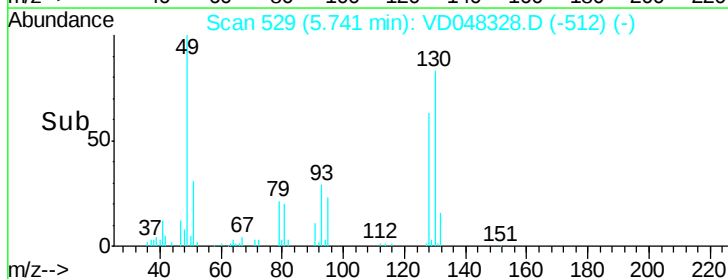
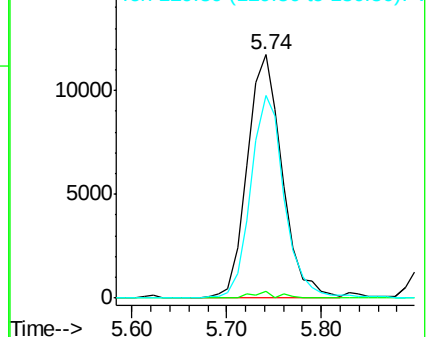
49 100

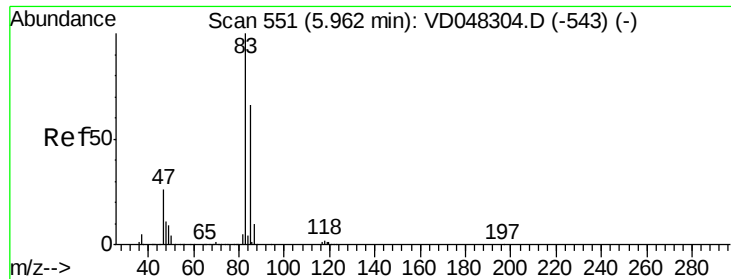
129 3.0 0.0 4.2

130 83.0 62.3 93.5



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

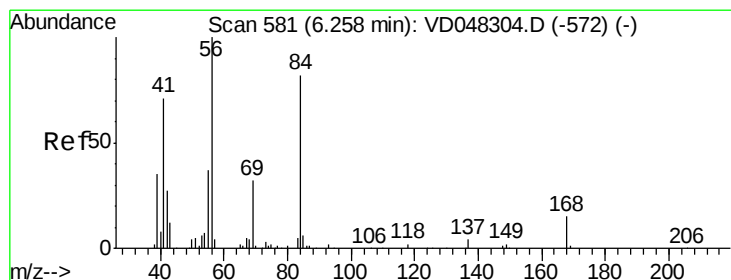
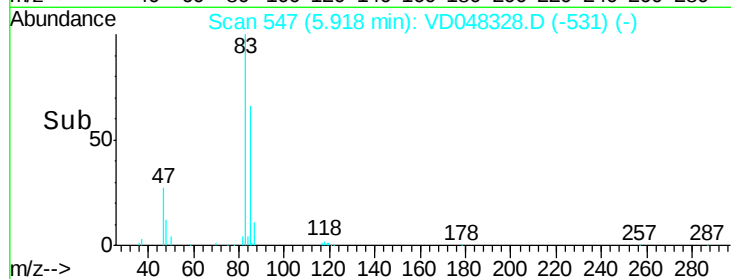
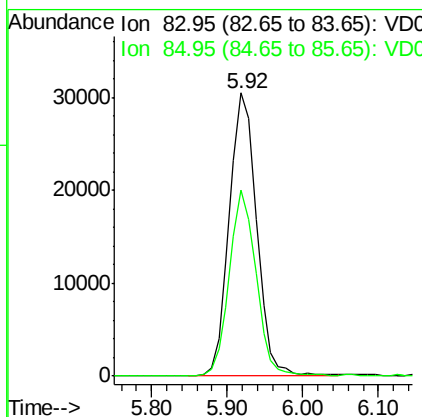
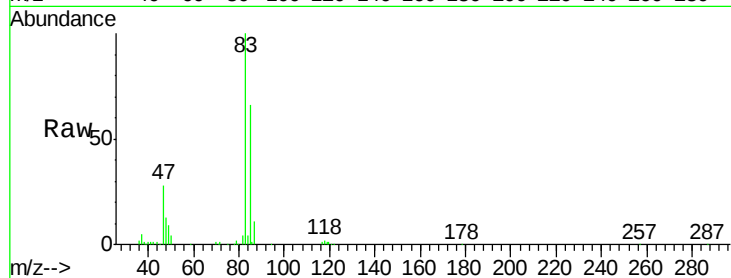




#29
Chloroform
Concen: 18.11 ug/l
RT: 5.92 min Scan# 547
Delta R.T. -0.04 min
Lab File: VD048328.D
Acq: 6 Jan 2016 17:57

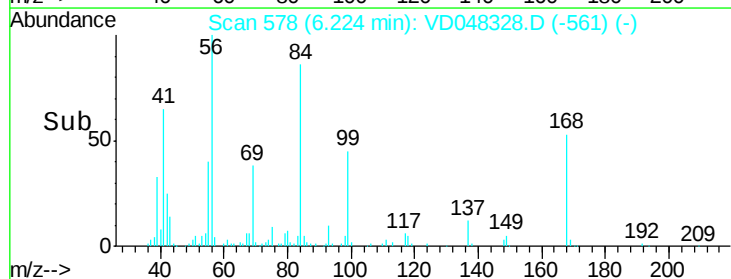
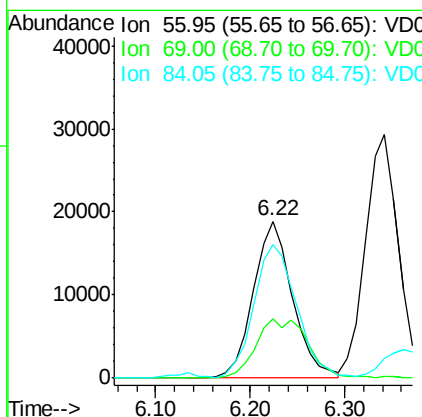
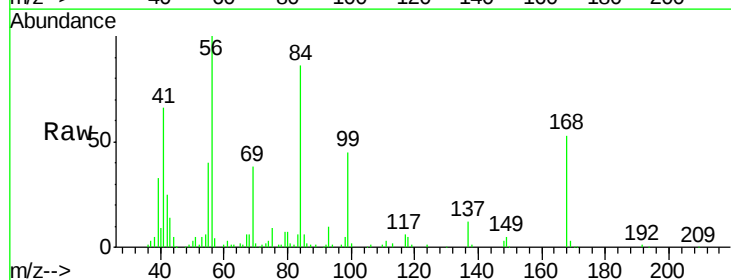
Instrument :
BNA_F
ClientSampleId :

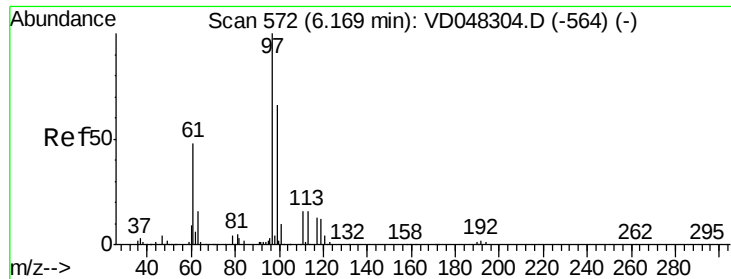
Tot Ion: 83 Resp: 76418
Ion Ratio Lower Upper
83 100
85 65.6 50.2 75.4



#30
Cyclohexane
Concen: 16.97 ug/l
RT: 6.22 min Scan# 578
Delta R.T. -0.03 min
Lab File: VD048328.D
Acq: 6 Jan 2016 17:57

Tgt Ion: 56 Resp: 54392
Ion Ratio Lower Upper
56 100
69 38.0 26.2 39.2
84 85.6 68.5 102.7





#31

1,1,1-Trichloroethane

Concen: 17.80 ug/l

RT: 6.14 min Scan# 569

Delta R.T. -0.03 min

Lab File: VD048328.D

Acq: 6 Jan 2016 17:57

Instrument :

BNA_F

ClientSampled :

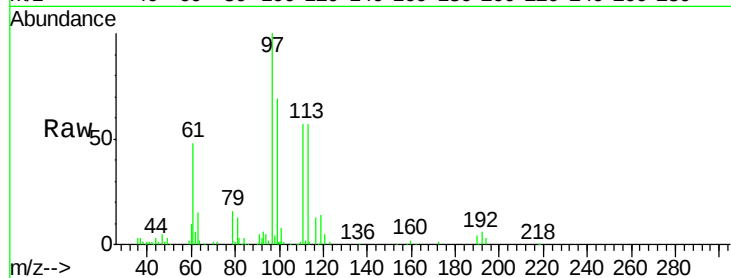
Tot Ion: 97 Resp: 58426

Ion Ratio Lower Upper

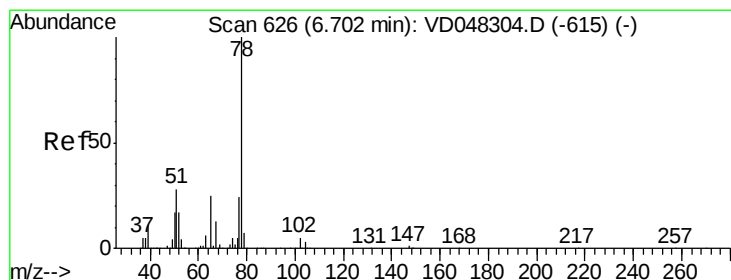
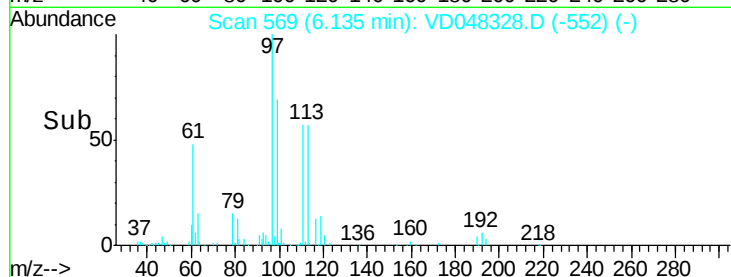
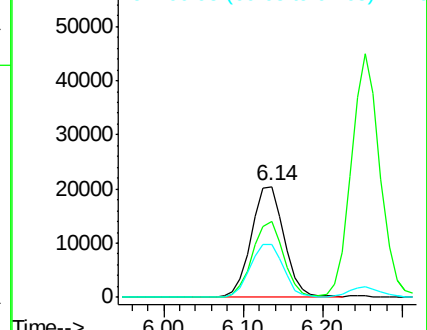
97 100

99 68.9 52.2 78.4

61 47.7 36.0 54.0



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC



#32

1,2-Dichloroethane-d4

Concen: 17.80 ug/l

RT: 6.67 min Scan# 623

Delta R.T. -0.03 min

Lab File: VD048328.D

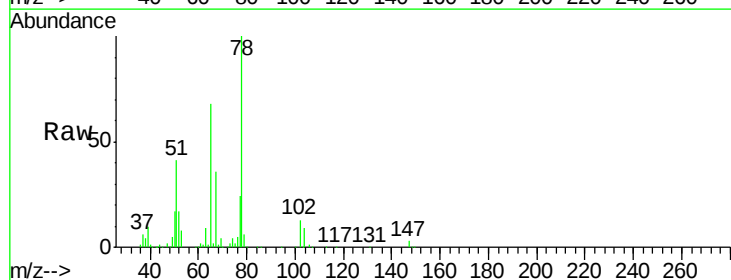
Acq: 6 Jan 2016 17:57

Tgt Ion: 65 Resp: 103769

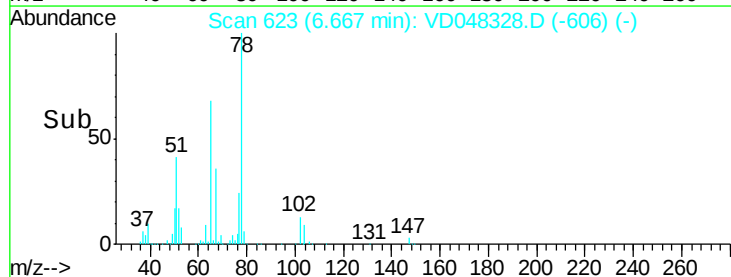
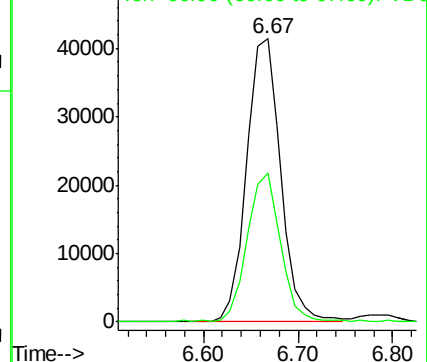
Ion Ratio Lower Upper

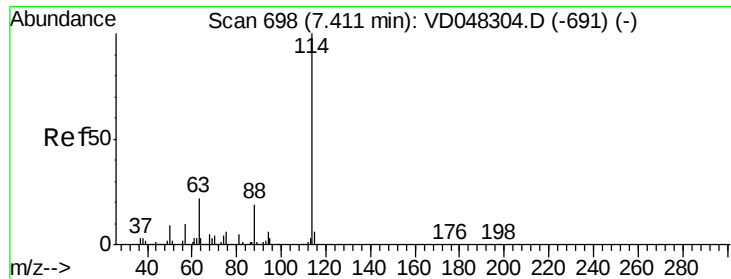
65 100

67 52.8 0.0 106.0



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

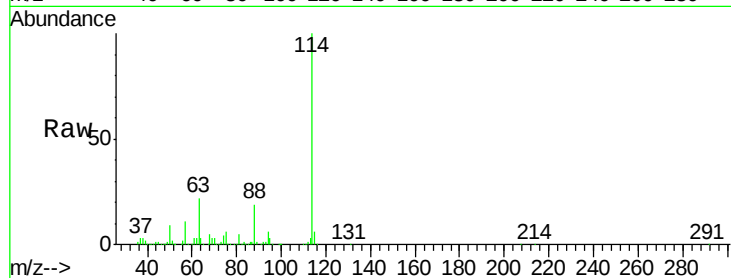




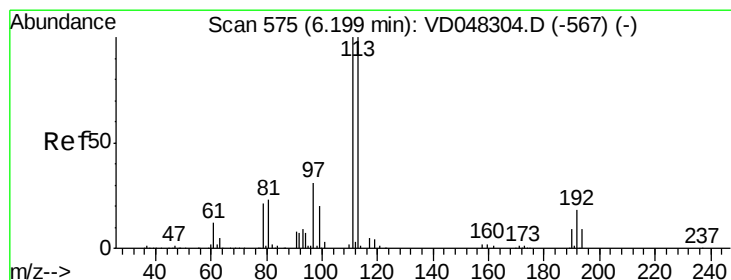
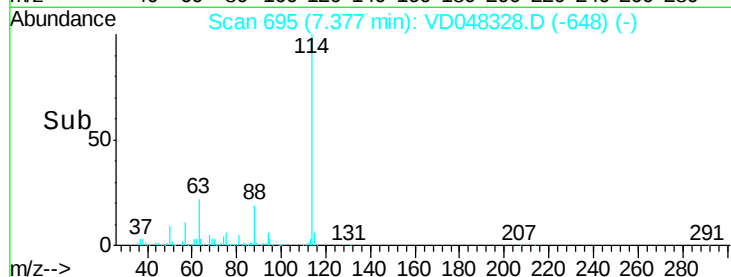
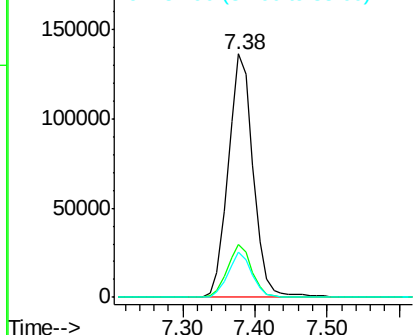
#33
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 7.38 min Scan# 695
Delta R.T. -0.03 min
Lab File: VD048328.D
Acq: 6 Jan 2016 17:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion:114 Resp: 327482
Ion Ratio Lower Upper
114 100
63 21.7 0.0 39.4
88 18.7 0.0 35.6

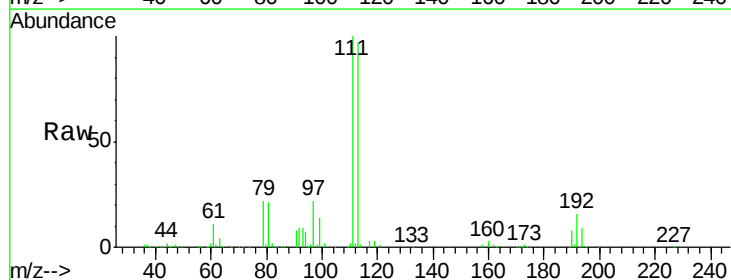


Abundance Ion 114.00 (113.70 to 114.70): V
Ion 62.95 (62.65 to 63.65): V
Ion 87.90 (87.60 to 88.60): V

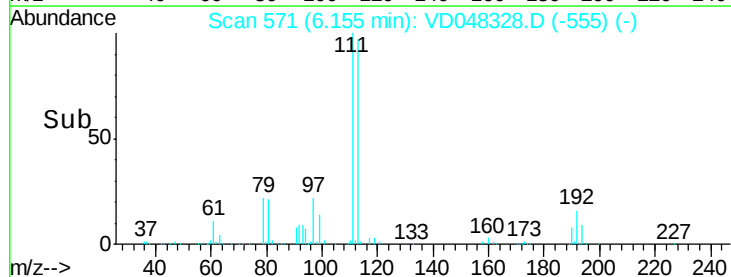
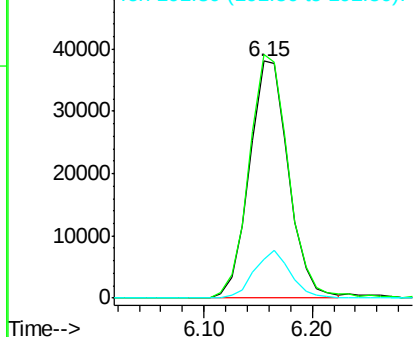


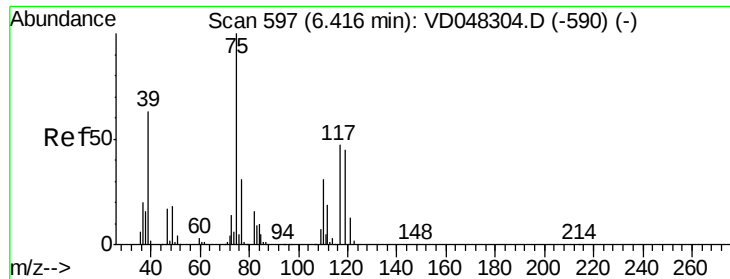
#34
Dibromofluoromethane
Concen: 50.00 ug/l
RT: 6.15 min Scan# 571
Delta R.T. -0.04 min
Lab File: VD048328.D
Acq: 6 Jan 2016 17:57

Tgt Ion:113 Resp: 96087
Ion Ratio Lower Upper
113 100
111 102.9 83.7 125.5
192 16.3 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: 17.78 ug/l

RT: 6.38 min Scan# 594

Delta R.T. -0.03 min

Lab File: VD048328.D

Acq: 6 Jan 2016 17:57

Instrument :

BNA_F

ClientSampleId :

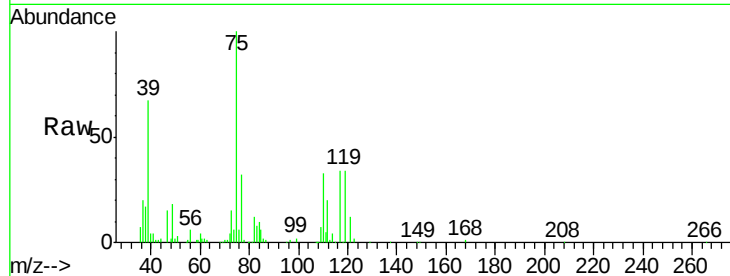
Tot Ion: 75 Resp: 57932

Ion Ratio Lower Upper

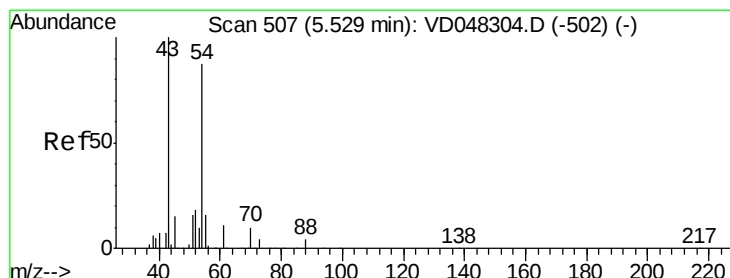
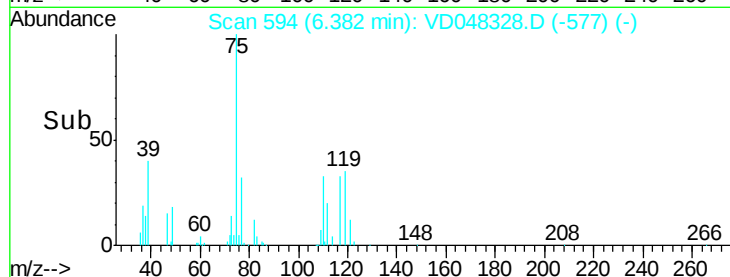
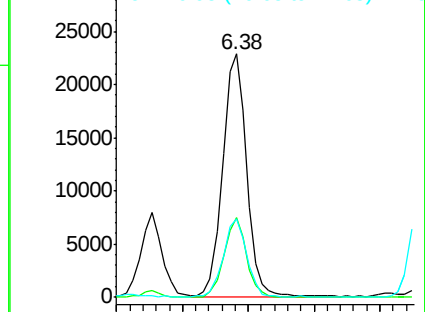
75 100

110 32.6 15.6 46.8

77 32.4 24.2 36.2



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 109.90 (109.60 to 110.60): VDC
Ion 76.95 (76.65 to 77.65): VDC



#36

Ethyl Acetate

Concen: 18.87 ug/l

RT: 5.49 min Scan# 504

Delta R.T. -0.03 min

Lab File: VD048328.D

Acq: 6 Jan 2016 17:57

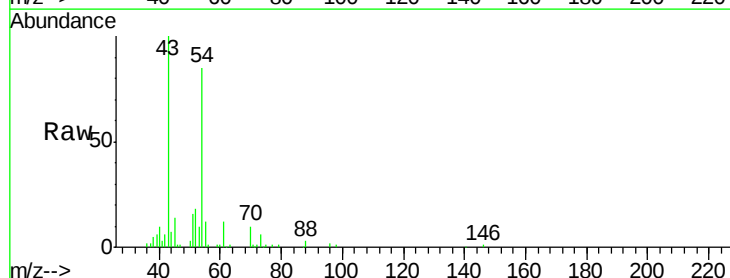
Tgt Ion: 43 Resp: 27156

Ion Ratio Lower Upper

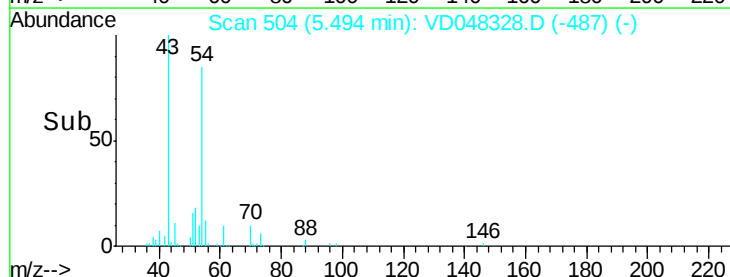
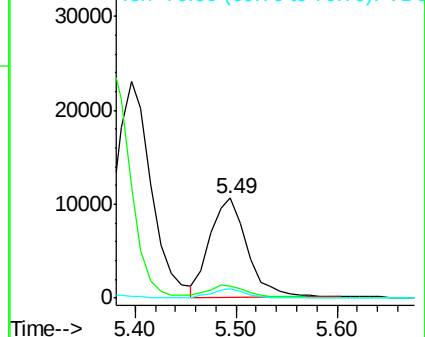
43 100

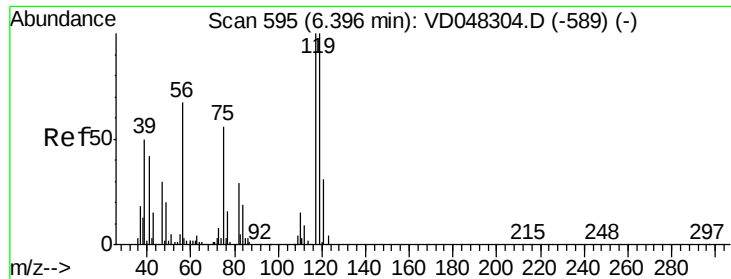
61 12.1 10.2 15.2

70 10.2 7.8 11.8



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





#37

Carbon Tetrachloride

Concen: 16.03 ug/l

RT: 6.36 min Scan# 592

Delta R.T. -0.03 min

Lab File: VD048328.D

Acq: 6 Jan 2016 17:57

Instrument :

BNA_F

ClientSampleId :

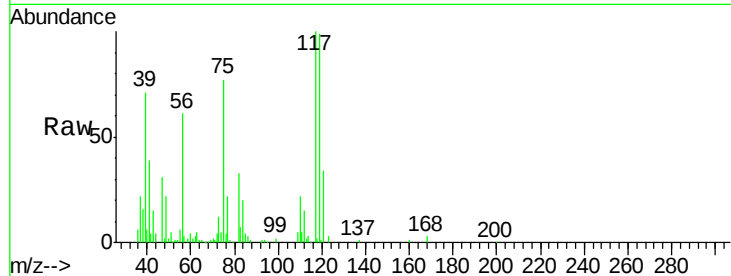
Tot Ion:117 Resp: 46505

Ion Ratio Lower Upper

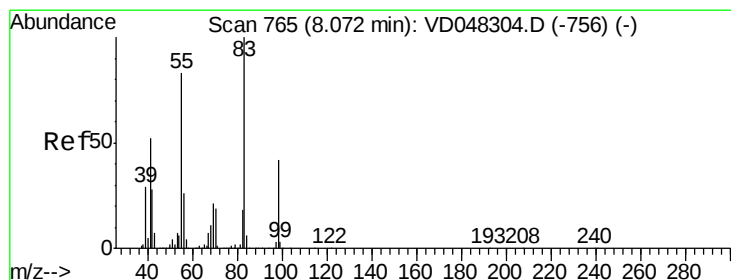
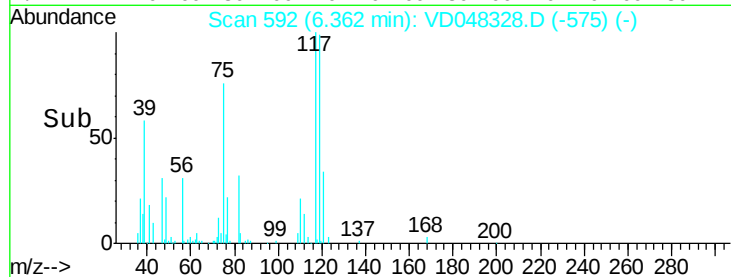
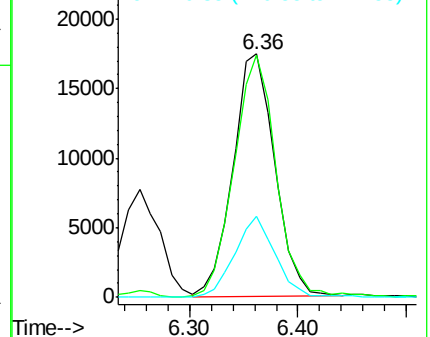
117 100

119 99.5 79.8 119.8

121 33.5 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: 17.11 ug/l

RT: 8.03 min Scan# 761

Delta R.T. -0.04 min

Lab File: VD048328.D

Acq: 6 Jan 2016 17:57

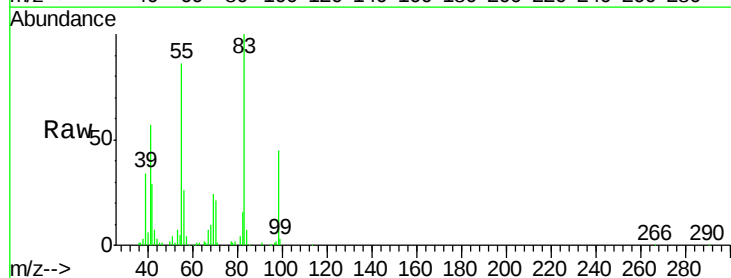
Tgt Ion: 83 Resp: 59990

Ion Ratio Lower Upper

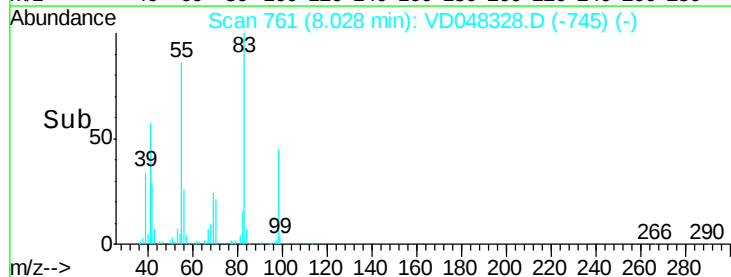
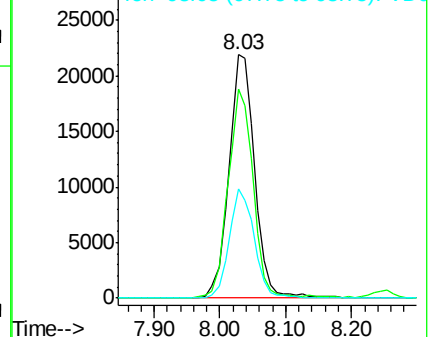
83 100

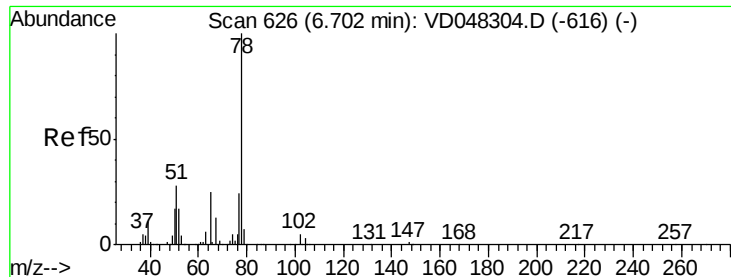
55 85.7 72.0 108.0

98 44.8 35.3 52.9



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





#39

Benzene

Concen: 17.66 ug/l

RT: 6.67 min Scan# 623

Delta R.T. -0.03 min

Lab File: VD048328.D

Acq: 6 Jan 2016 17:57

Instrument :

BNA_F

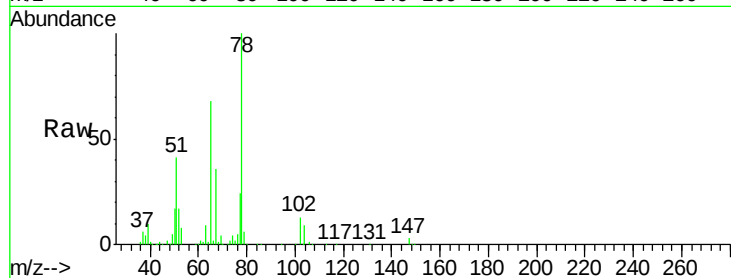
ClientSampleId :

Tot Ion: 78 Resp: 153404

Ion Ratio Lower Upper

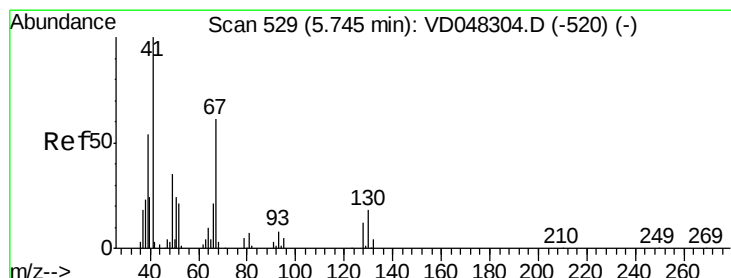
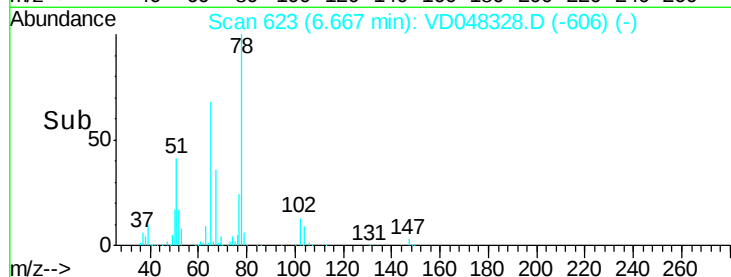
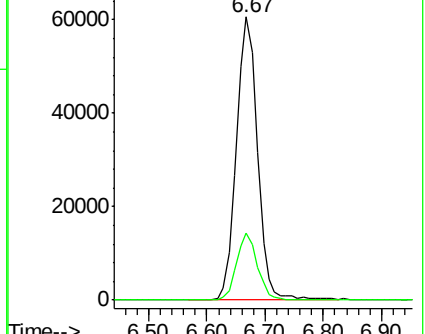
78 100

77 23.8 18.5 27.7



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC



#40

Methacrylonitrile

Concen: 20.20 ug/l

RT: 5.70 min Scan# 525

Delta R.T. -0.04 min

Lab File: VD048328.D

Acq: 6 Jan 2016 17:57

Tgt Ion: 41 Resp: 17042

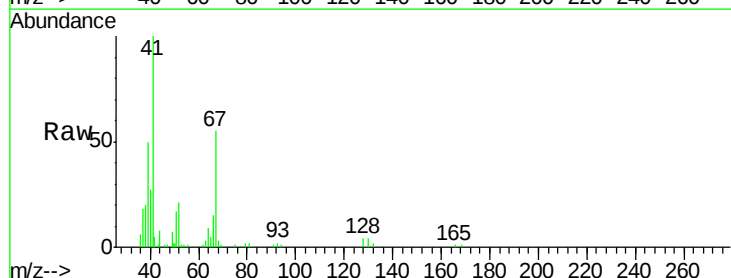
Ion Ratio Lower Upper

41 100

39 50.0 41.2 61.8

67 55.1 47.0 70.6

52 21.1 18.9 28.3

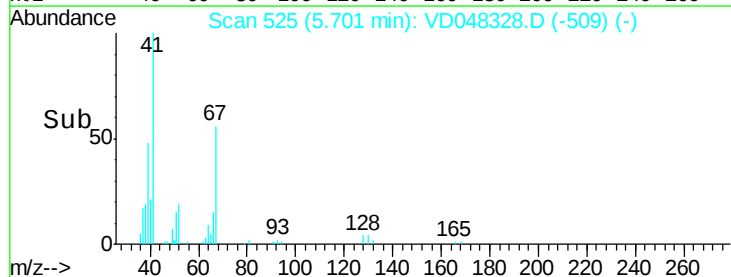
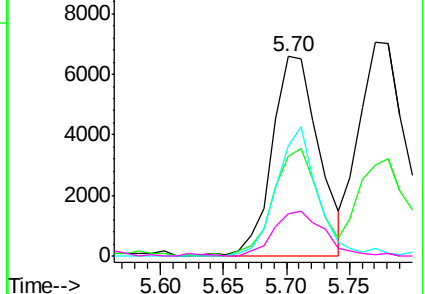


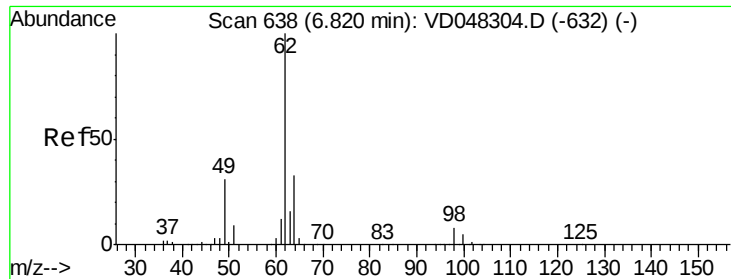
Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC





#41

1,2-Dichloroethane

Concen: 19.48 ug/l

RT: 6.78 min Scan# 634

Delta R.T. -0.04 min

Lab File: VD048328.D

Acq: 6 Jan 2016 17:57

Instrument :

BNA_F

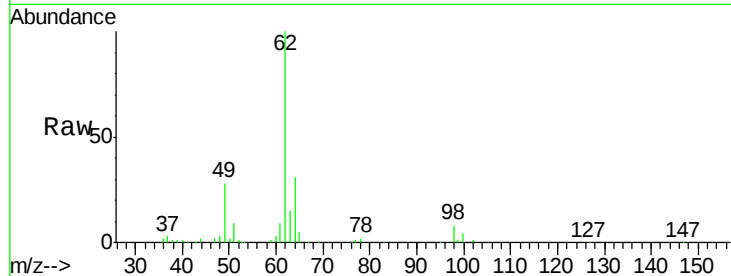
ClientSampleId :

Tot Ion: 62 Resp: 53152

Ion Ratio Lower Upper

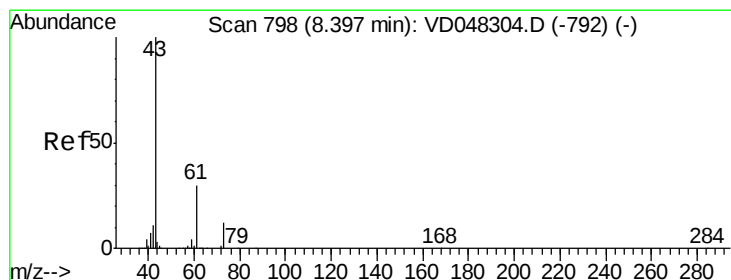
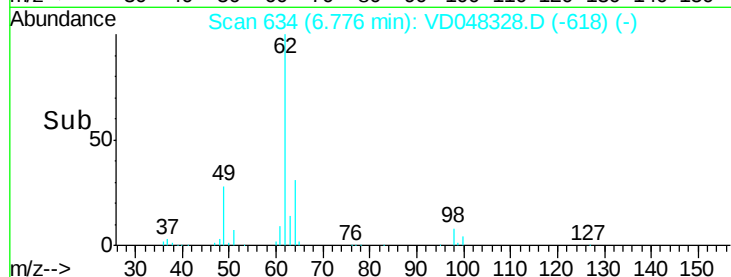
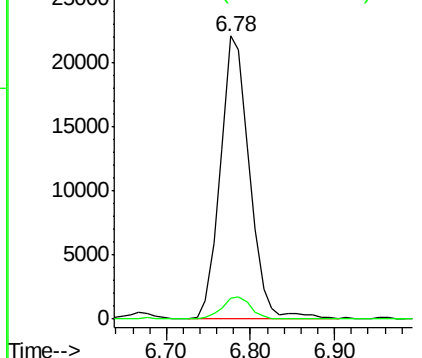
62 100

98 7.5 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: 20.62 ug/l

RT: 8.36 min Scan# 795

Delta R.T. -0.03 min

Lab File: VD048328.D

Acq: 6 Jan 2016 17:57

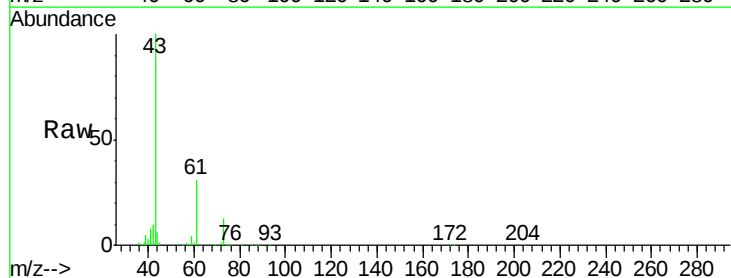
Tgt Ion: 43 Resp: 42168

Ion Ratio Lower Upper

43 100

61 31.1 23.8 35.8

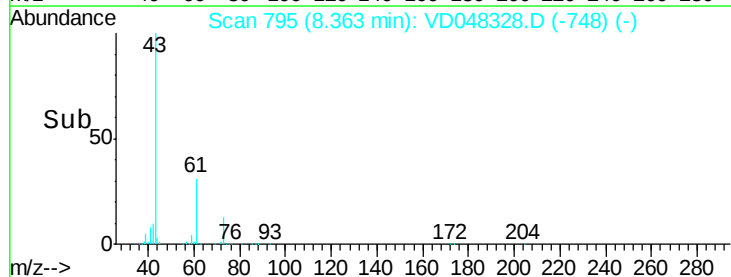
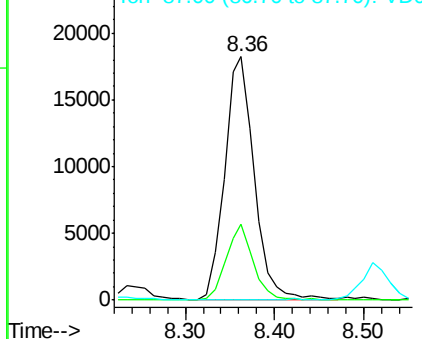
87 0.4 0.3 0.5

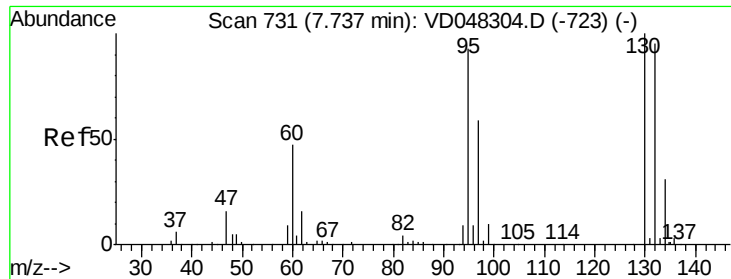


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC





#43

Trichloroethene

Concen: 17.83 ug/l

RT: 7.70 min Scan# 728

Delta R.T. -0.03 min

Lab File: VD048328.D

Acq: 6 Jan 2016 17:57

Instrument :

BNA_F

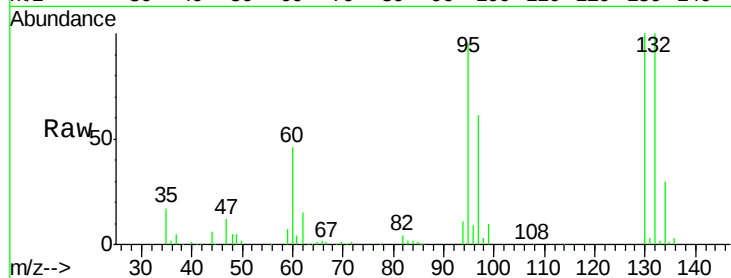
ClientSampleId :

Tot Ion:130 Resp: 43640

Ion Ratio Lower Upper

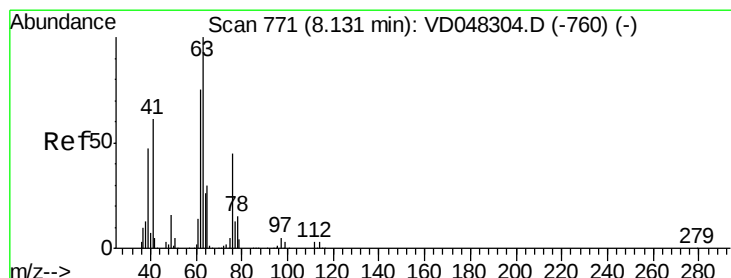
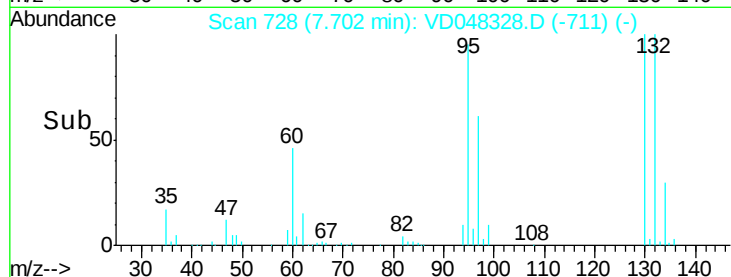
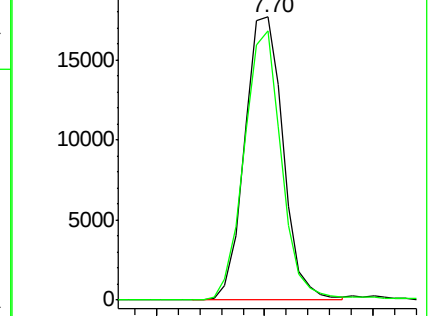
130 100

95 95.0 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: 18.23 ug/l

RT: 8.10 min Scan# 768

Delta R.T. -0.03 min

Lab File: VD048328.D

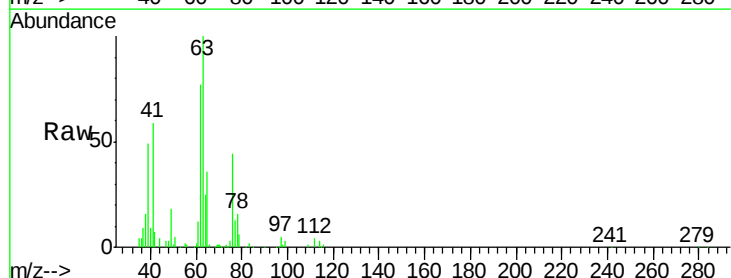
Acq: 6 Jan 2016 17:57

Tgt Ion: 63 Resp: 43947

Ion Ratio Lower Upper

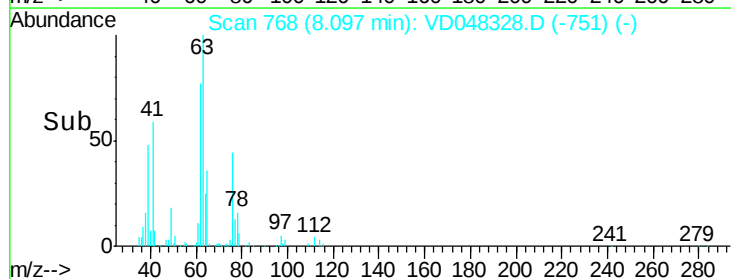
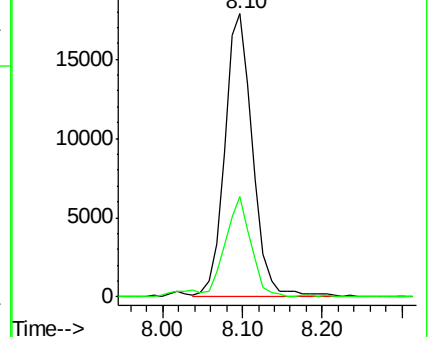
63 100

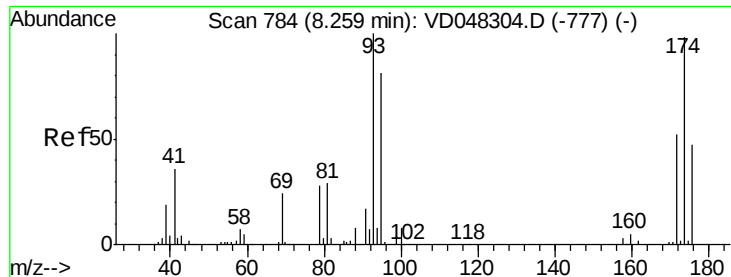
65 35.6 23.7 35.5#



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

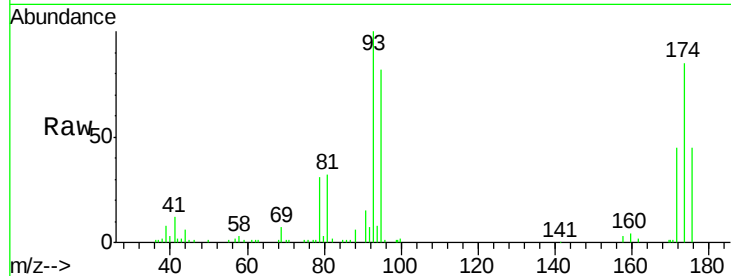




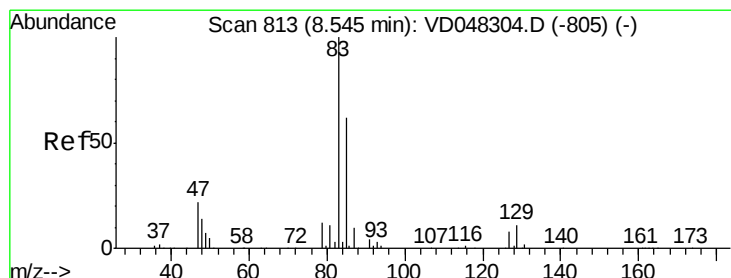
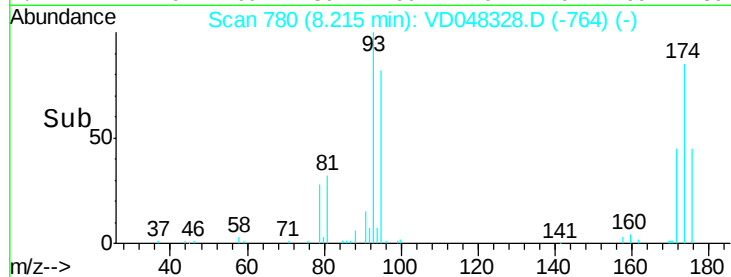
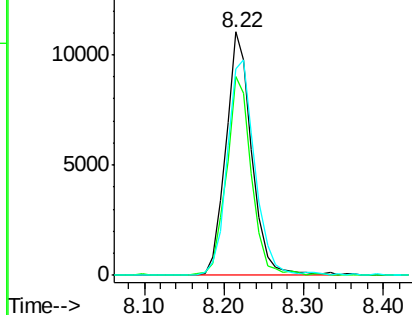
#45
Dibromomethane
Concen: 19.22 ug/l
RT: 8.22 min Scan# 780
Delta R.T. -0.04 min
Lab File: VD048328.D
Acq: 6 Jan 2016 17:57

Instrument :
BNA_F
ClientSampled :

Tot Ion: 93 Resp: 25233
Ion Ratio Lower Upper
93 100
95 81.6 64.4 96.6
174 84.9 74.6 112.0

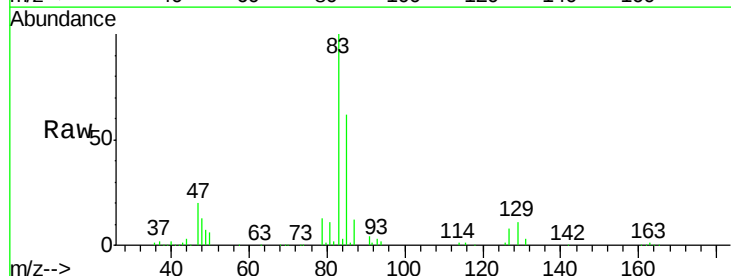


Abundance Ion 92.90 (92.60 to 93.60): VDC
Ion 94.90 (94.60 to 95.60): VDC
Ion 173.80 (173.50 to 174.50): V

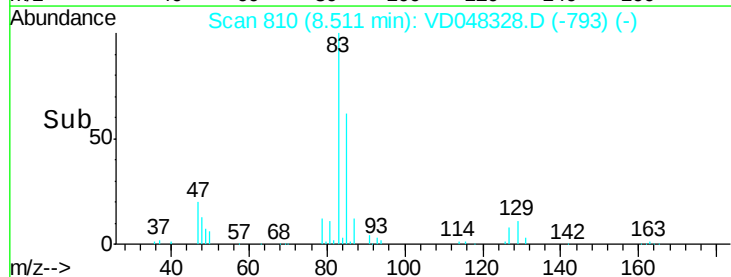
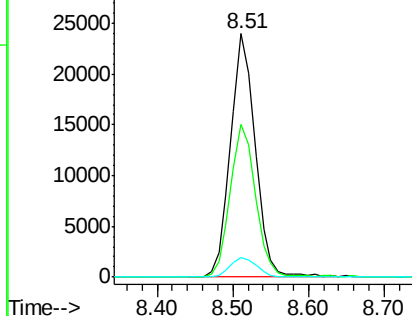


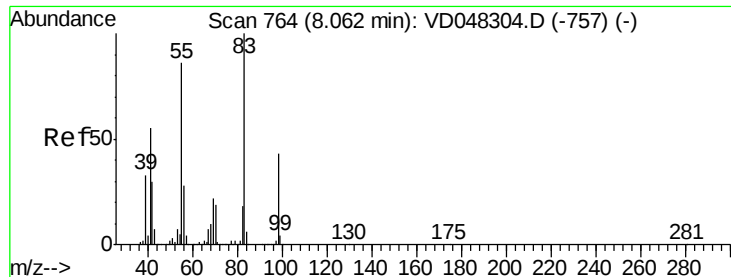
#46
Bromodichloromethane
Concen: 17.31 ug/l
RT: 8.51 min Scan# 810
Delta R.T. -0.03 min
Lab File: VD048328.D
Acq: 6 Jan 2016 17:57

Tgt Ion: 83 Resp: 54253
Ion Ratio Lower Upper
83 100
85 62.5 48.7 73.1
127 8.2 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

Methyl methacrylate

Concen: 16.83 ug/l

RT: 8.03 min Scan# 761

Delta R.T. -0.03 min

Lab File: VD048328.D

Acq: 6 Jan 2016 17:57

Instrument :

BNA_F

ClientSampleId :

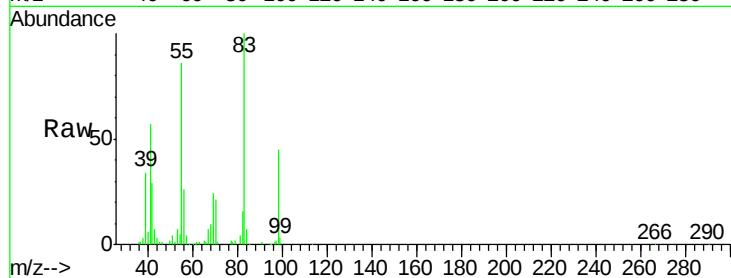
Tot Ion: 41 Resp: 32788

Ion Ratio Lower Upper

41 100

69 42.8 34.6 52.0

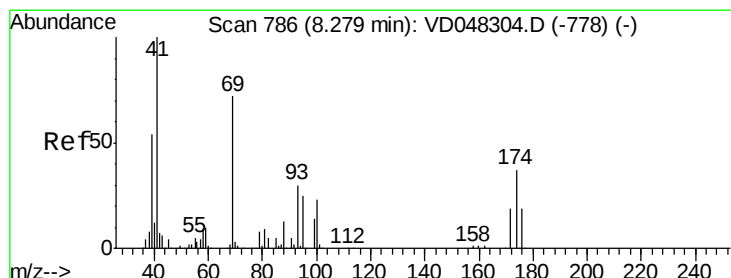
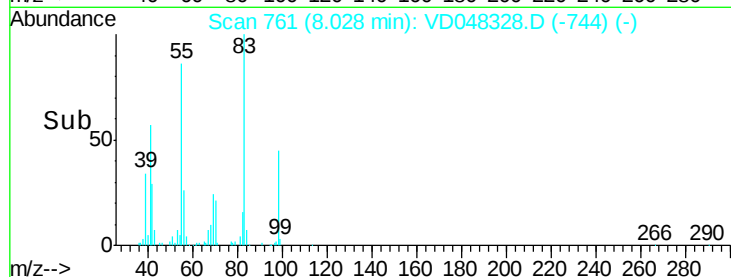
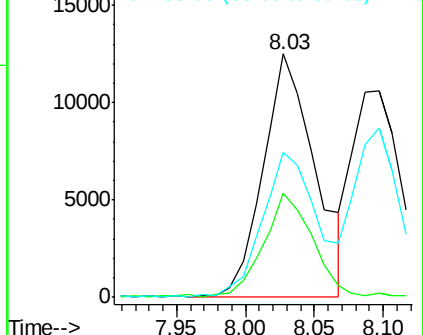
39 59.3 45.6 68.4



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: 455.89 ug/l

RT: 8.24 min Scan# 783

Delta R.T. -0.03 min

Lab File: VD048328.D

Acq: 6 Jan 2016 17:57

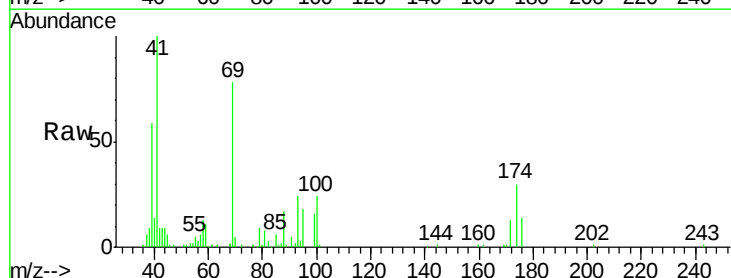
Tgt Ion: 88 Resp: 5386

Ion Ratio Lower Upper

88 100

43 54.9 42.7 64.1

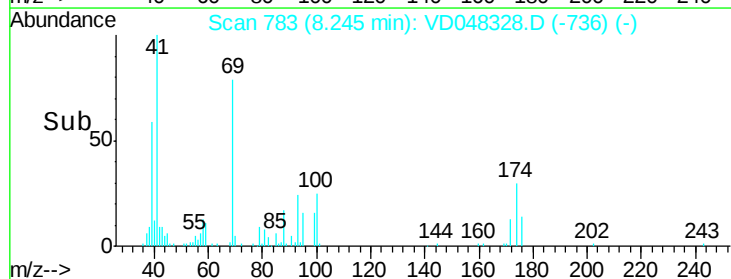
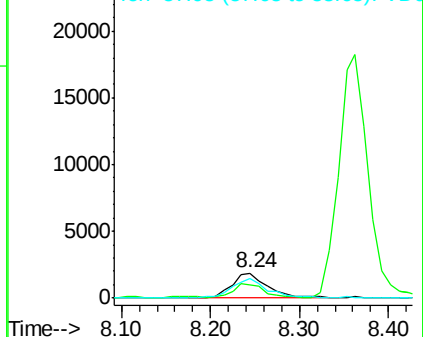
58 75.7 63.9 95.9

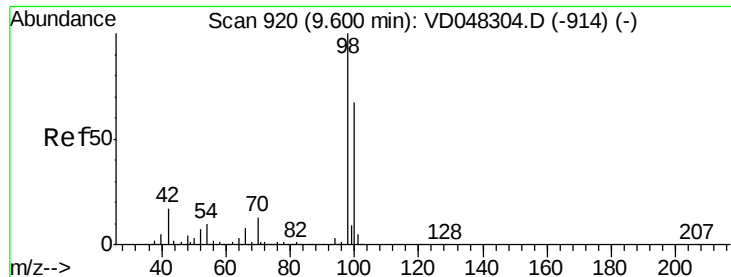


Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC





#49

Toluene-d8

Concen: 455.89 ug/l

RT: 9.57 min Scan# 917

Delta R.T. -0.03 min

Lab File: VD048328.D

Acq: 6 Jan 2016 17:57

Instrument :

BNA_F

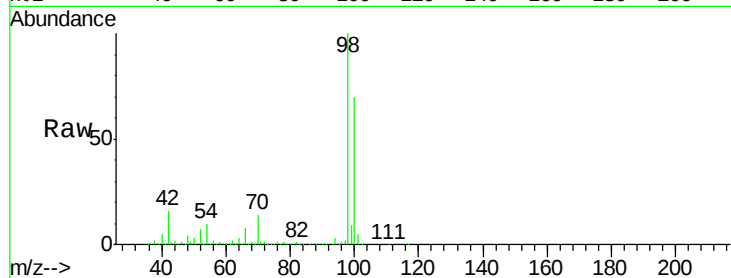
ClientSampleId :

Tot Ion: 98 Resp: 308342

Ion Ratio Lower Upper

98 100

100 69.9 55.8 83.6



Abundance Ion 98.05 (97.75 to 98.75): VD048328.D (-900) (-)

Ion 100.05 (99.75 to 100.75): VD048328.D (-900) (-)

9.57

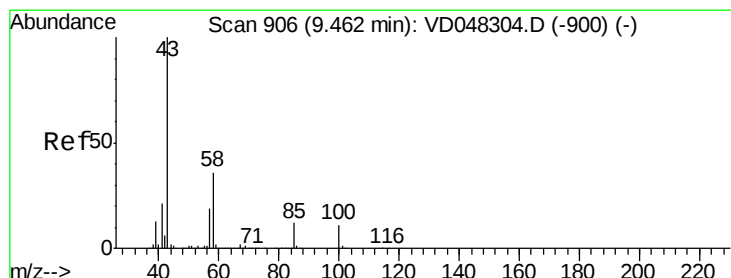
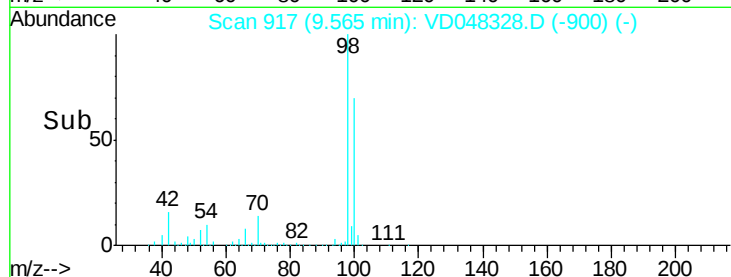
150000

100000

50000

0

Time--> 9.40 9.50 9.60 9.70



#50

4-Methyl-2-Pentanone

Concen: 110.79 ug/l

RT: 9.43 min Scan# 903

Delta R.T. -0.03 min

Lab File: VD048328.D

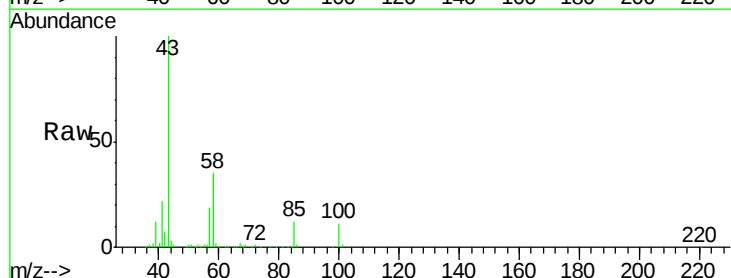
Acq: 6 Jan 2016 17:57

Tgt Ion: 43 Resp: 150650

Ion Ratio Lower Upper

43 100

58 34.9 28.5 42.7



Abundance Ion 42.95 (42.65 to 43.65): VD048328.D (-886) (-)

Ion 57.95 (57.65 to 58.65): VD048328.D (-886) (-)

9.43

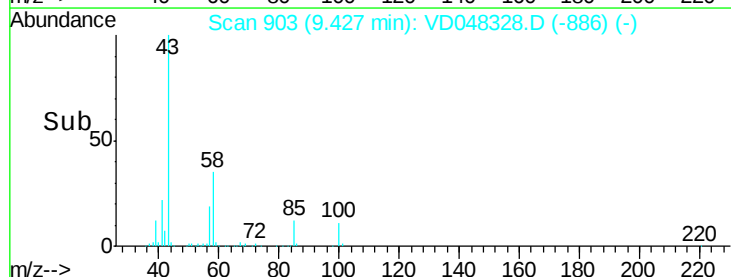
60000

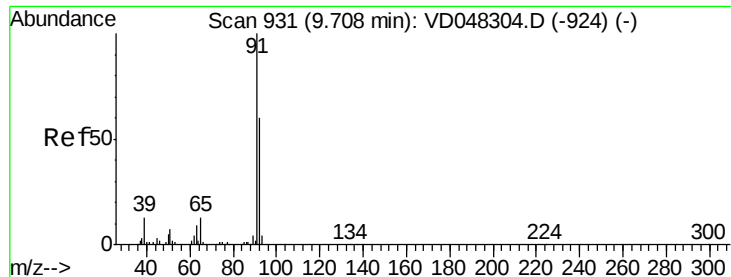
40000

20000

0

Time--> 9.30 9.40 9.50





#51

Toluene

Concen: 18.16 ug/l

RT: 9.67 min Scan# 928

Delta R.T. -0.03 min

Lab File: VD048328.D

Acq: 6 Jan 2016 17:57

Instrument :

BNA_F

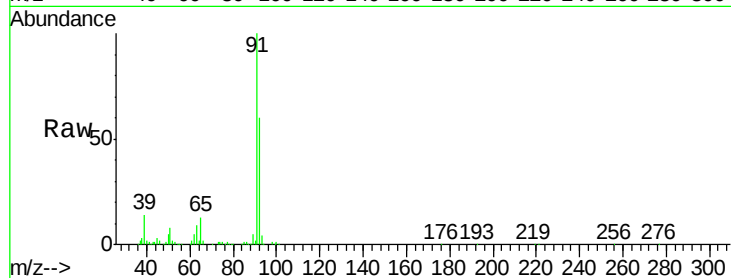
ClientSampleId :

Tot Ion: 92 Resp: 95806

Ion Ratio Lower Upper

92 100

91 167.8 133.4 200.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

80000

60000

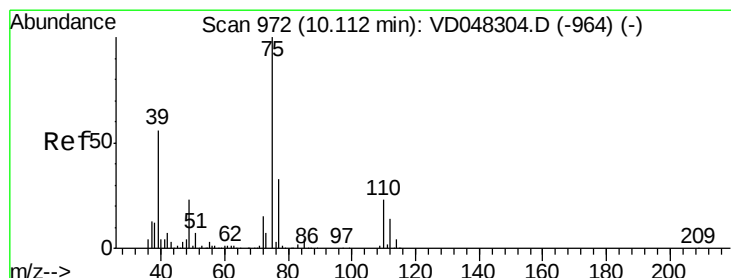
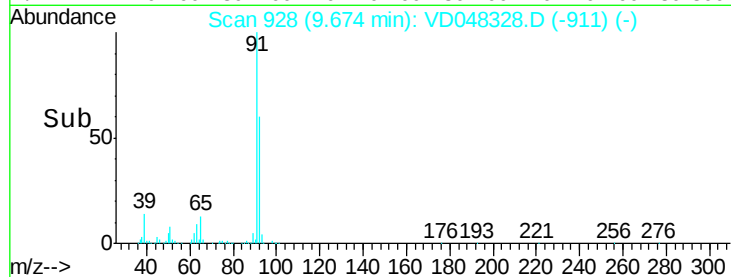
40000

20000

0

9.50 9.60 9.70 9.80 9.90

Time-->



#52

t-1,3-Dichloropropene

Concen: 18.39 ug/l

RT: 10.08 min Scan# 969

Delta R.T. -0.03 min

Lab File: VD048328.D

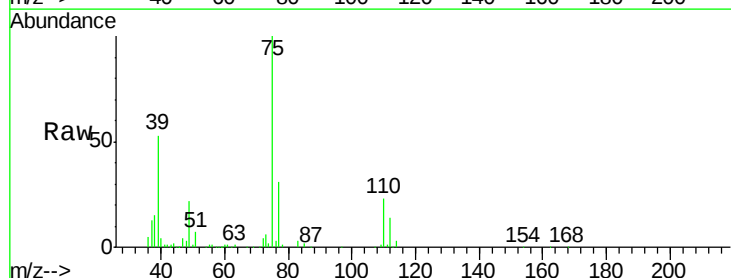
Acq: 6 Jan 2016 17:57

Tgt Ion: 75 Resp: 54004

Ion Ratio Lower Upper

75 100

77 31.5 26.4 39.6



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

25000

20000

15000

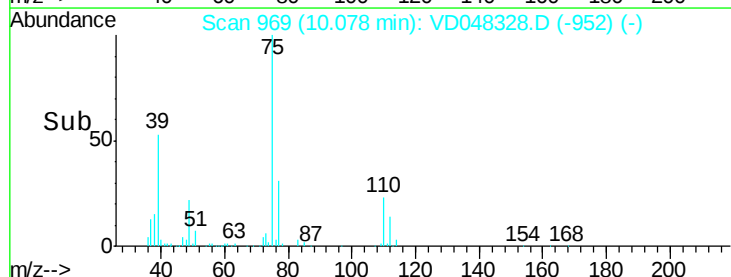
10000

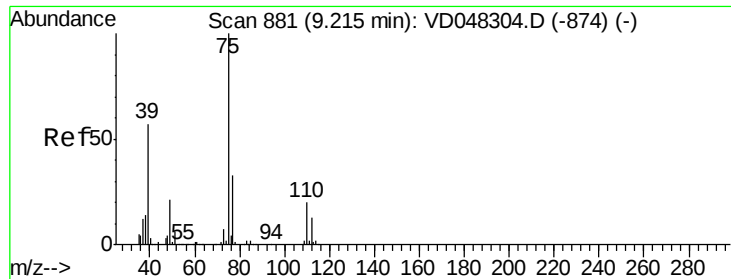
5000

0

10.00 10.10 10.20

Time-->





#53

cis-1,3-Dichloropropene

Concen: 17.92 ug/l

RT: 9.18 min Scan# 878

Delta R.T. -0.03 min

Lab File: VD048328.D

Acq: 6 Jan 2016 17:57

Instrument :

BNA_F

ClientSampleId :

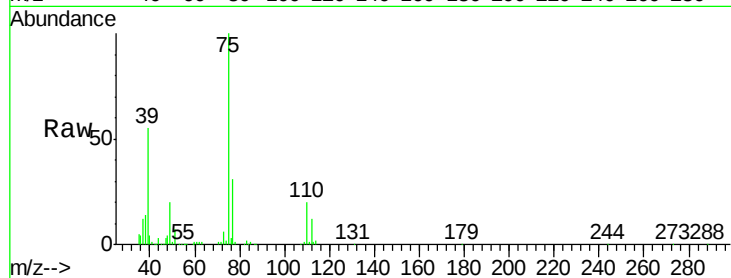
Tot Ion: 75 Resp: 66750

Ion Ratio Lower Upper

75 100

77 31.0 25.8 38.6

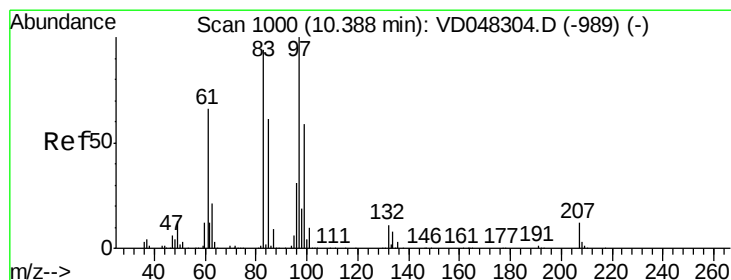
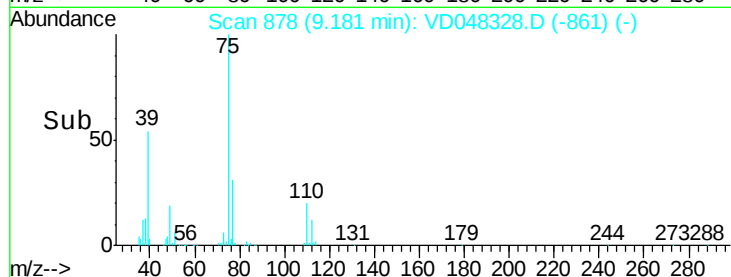
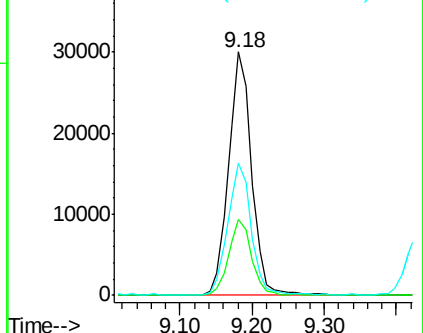
39 54.6 41.5 62.3



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: 19.85 ug/l

RT: 10.35 min Scan# 997

Delta R.T. -0.03 min

Lab File: VD048328.D

Acq: 6 Jan 2016 17:57

Tgt Ion: 97 Resp: 32864

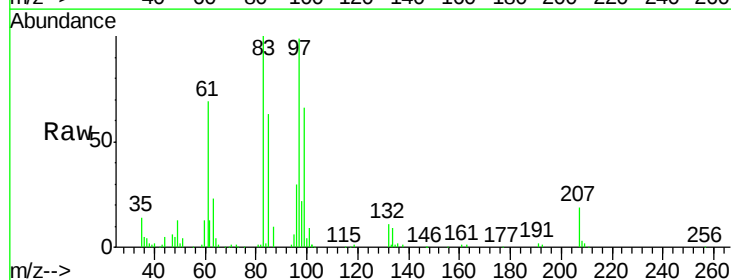
Ion Ratio Lower Upper

97 100

83 100.6 78.2 117.2

85 63.7 48.1 72.1

99 65.9 50.0 75.0

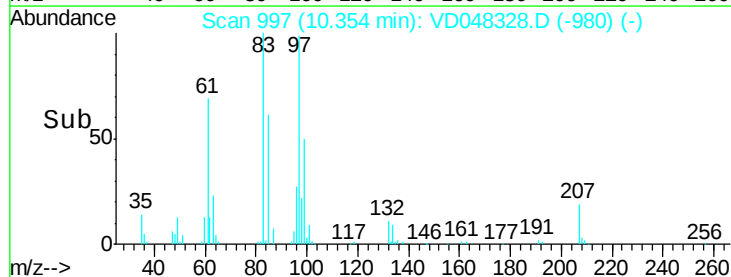
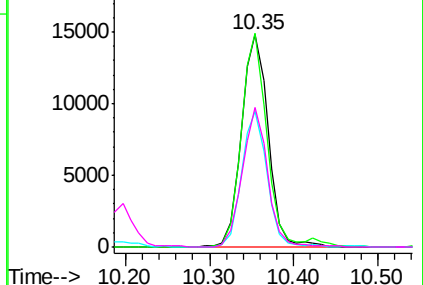


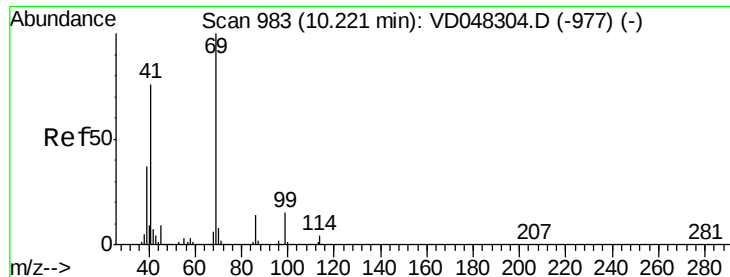
Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 20.70 ug/l

RT: 10.20 min Scan# 981

Delta R.T. -0.02 min

Lab File: VD048328.D

Acq: 6 Jan 2016 17:57

Instrument :

BNA_F

ClientSampleId :

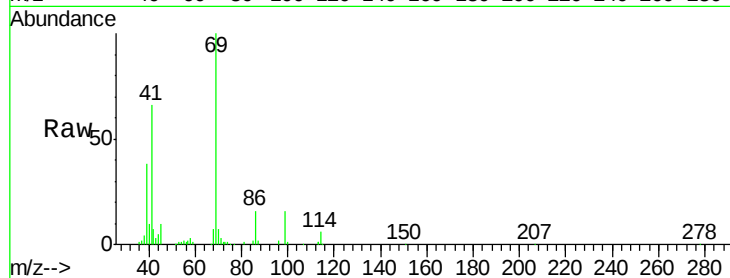
Tot Ion: 69 Resp: 40651

Ion Ratio Lower Upper

69 100

41 66.5 55.3 82.9

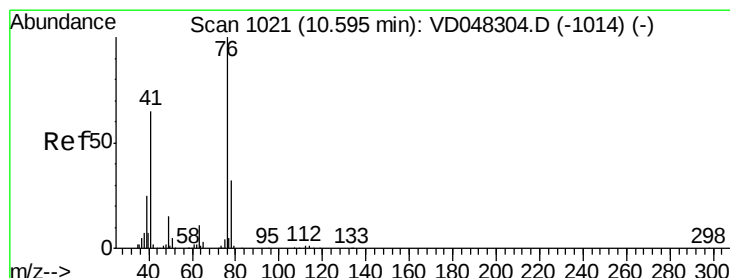
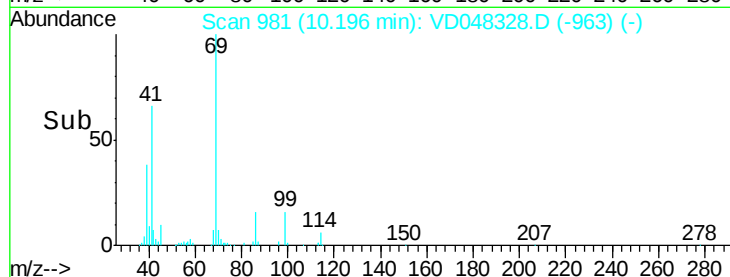
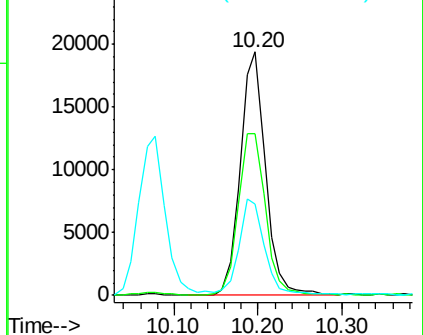
39 37.7 29.4 44.2



Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC



#56

1,3-Dichloropropane

Concen: 19.57 ug/l

RT: 10.56 min Scan# 1018

Delta R.T. -0.03 min

Lab File: VD048328.D

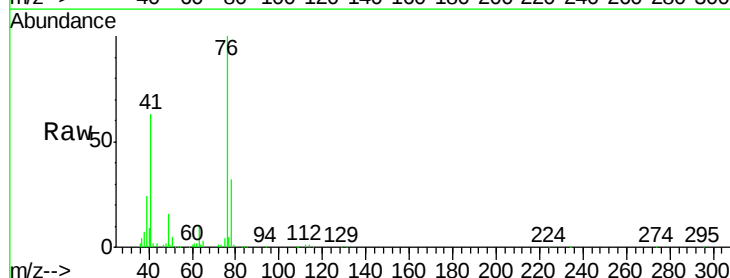
Acq: 6 Jan 2016 17:57

Tgt Ion: 76 Resp: 64590

Ion Ratio Lower Upper

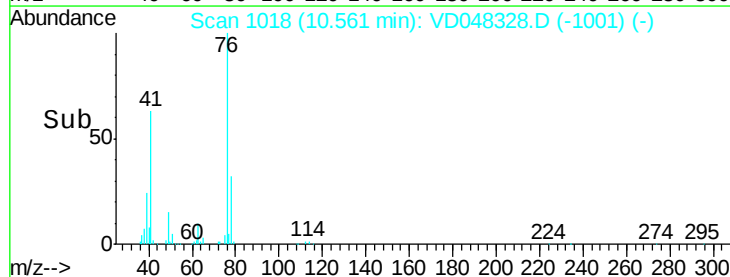
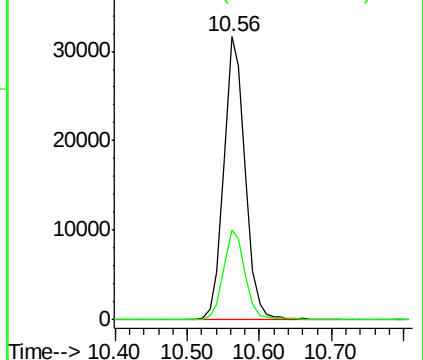
76 100

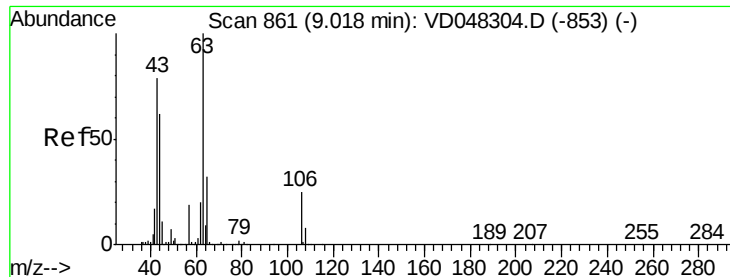
78 31.7 25.8 38.8



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: 106.72 ug/l

RT: 8.98 min Scan# 858

Delta R.T. -0.03 min

Lab File: VD048328.D

Acq: 6 Jan 2016 17:57

Instrument :

BNA_F

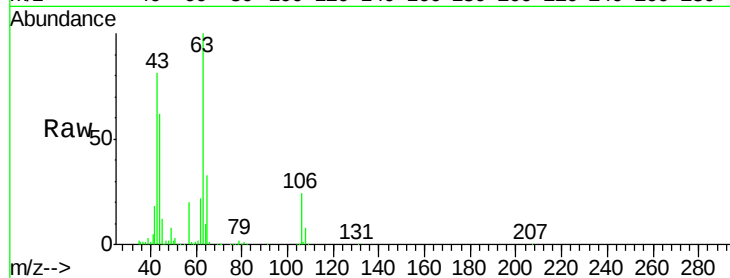
ClientSampleId :

Tot Ion: 63 Resp: 125264

Ion Ratio Lower Upper

63 100

106 23.6 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

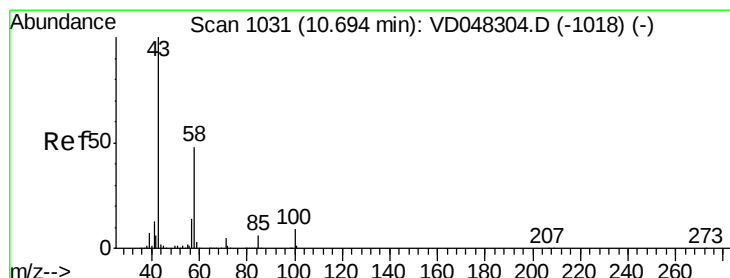
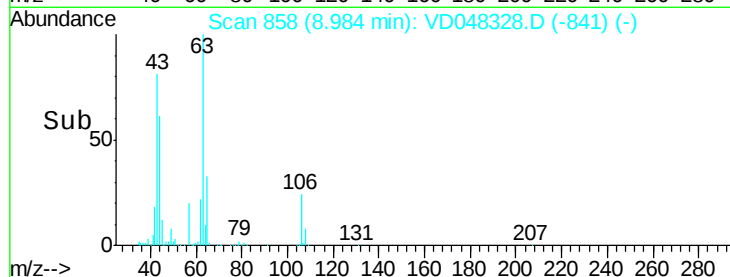
40000

20000

0

Time-->

8.90 9.00 9.10 9.20



#58

2-Hexanone

Concen: 117.52 ug/l

RT: 10.67 min Scan# 1029

Delta R.T. -0.02 min

Lab File: VD048328.D

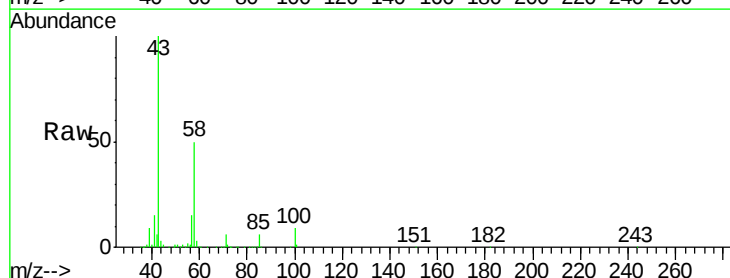
Acq: 6 Jan 2016 17:57

Tgt Ion: 43 Resp: 110573

Ion Ratio Lower Upper

43 100

58 50.0 24.4 73.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.67

60000

50000

40000

30000

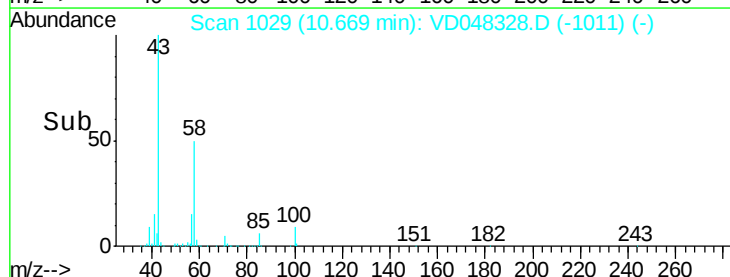
20000

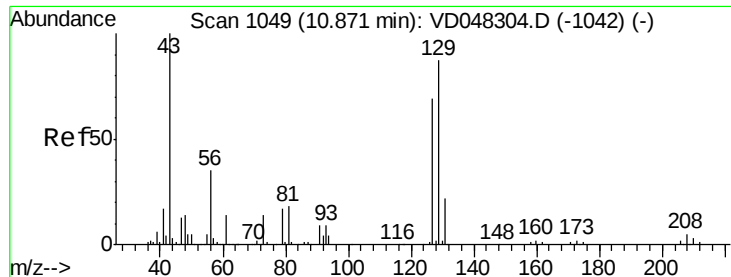
10000

0

Time-->

10.60 10.70 10.80





#59

Dibromochloromethane

Concen: 17.43 ug/l

RT: 10.84 min Scan# 1046

Delta R.T. -0.03 min

Lab File: VD048328.D

Acq: 6 Jan 2016 17:57

Instrument :

BNA_F

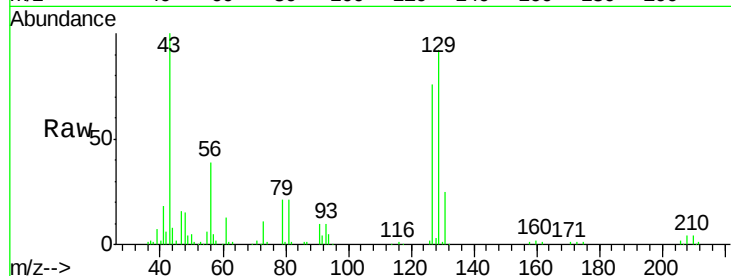
ClientSampleId :

Tot Ion:129 Resp: 38250

Ion Ratio Lower Upper

129 100

127 81.9 37.5 112.7



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

10.84

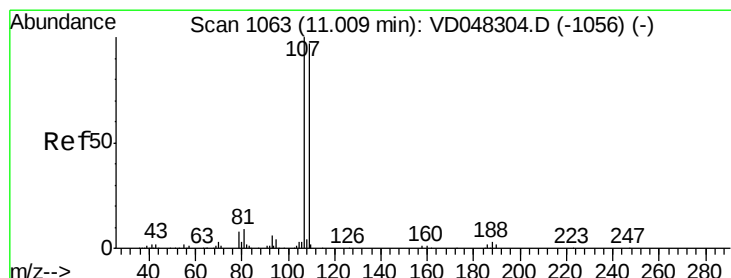
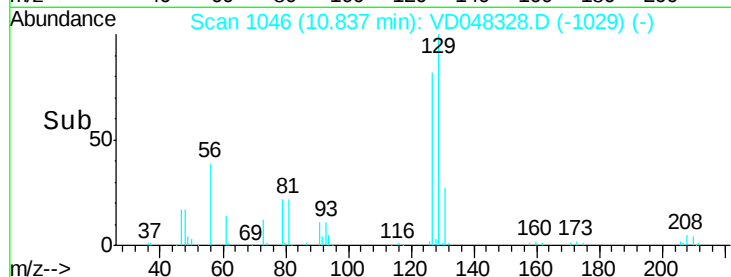
15000

10000

5000

0

Time-->



#60

1,2-Dibromoethane

Concen: 19.08 ug/l

RT: 10.98 min Scan# 1060

Delta R.T. -0.03 min

Lab File: VD048328.D

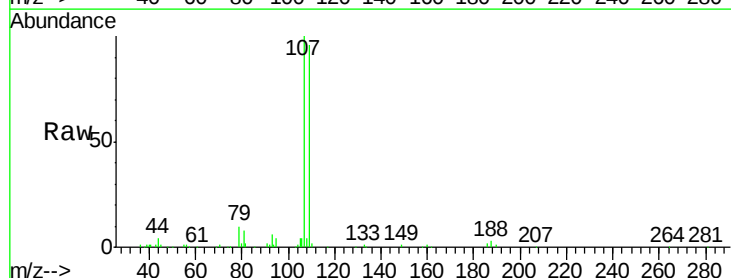
Acq: 6 Jan 2016 17:57

Tgt Ion:107 Resp: 33865

Ion Ratio Lower Upper

107 100

109 95.6 77.3 115.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.98

20000

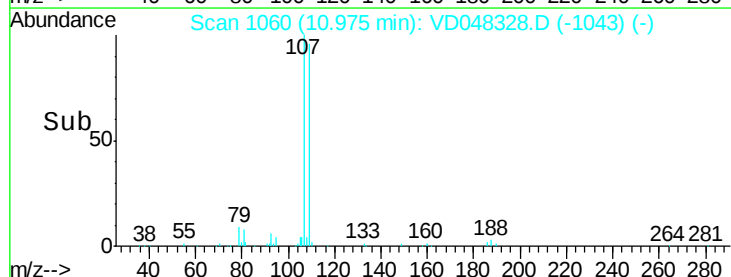
15000

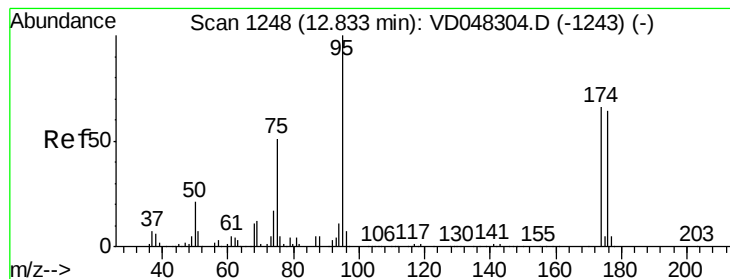
10000

5000

0

Time-->





#61

4-Bromofluorobenzene

Concen: 19.08 ug/l

RT: 12.81 min Scan# 1246

Delta R.T. -0.02 min

Lab File: VD048328.D

Acq: 6 Jan 2016 17:57

Instrument :

BNA_F

ClientSampleId :

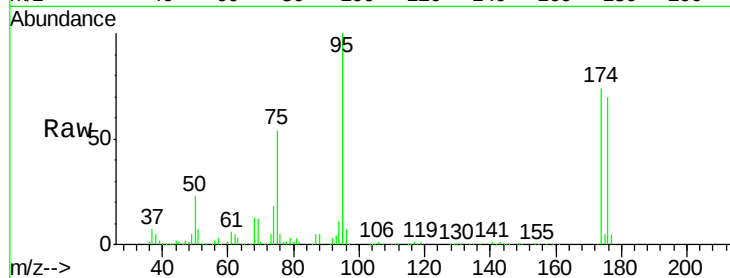
Tot Ion: 95 Resp: 131571

Ion Ratio Lower Upper

95 100

174 73.9 0.0 156.2

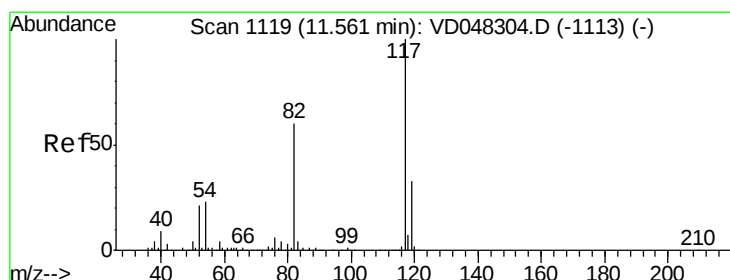
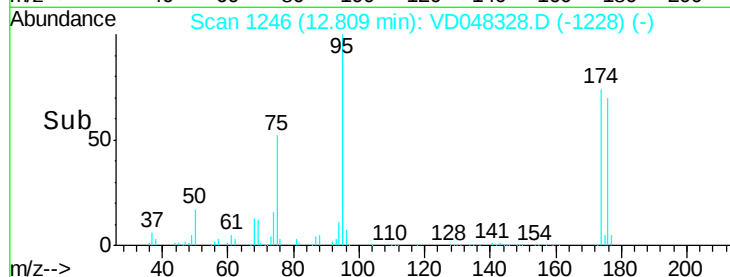
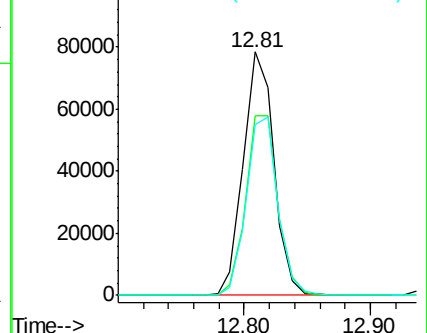
176 70.3 0.0 147.4



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V



#62

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.54 min Scan# 1117

Delta R.T. -0.02 min

Lab File: VD048328.D

Acq: 6 Jan 2016 17:57

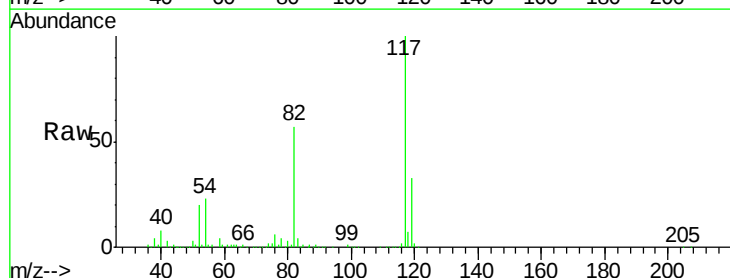
Tgt Ion: 117 Resp: 324840

Ion Ratio Lower Upper

117 100

82 57.0 46.8 70.2

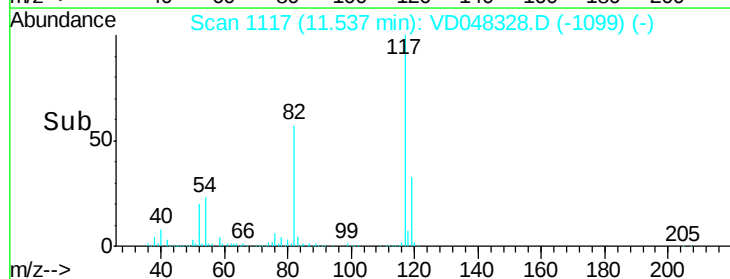
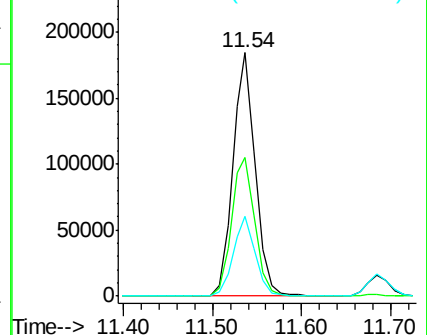
119 32.8 26.1 39.1

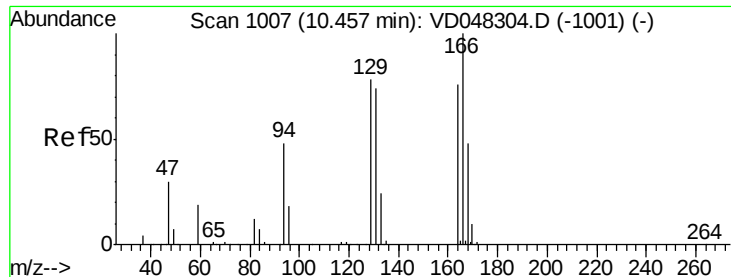


Abundance Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V





#63

Tetrachloroethene

Concen: 17.38 ug/l

RT: 10.42 min Scan# 1004

Delta R.T. -0.03 min

Lab File: VD048328.D

Acq: 6 Jan 2016 17:57

Instrument :

BNA_F

ClientSampleId :

Tot Ion:164 Resp: 34969

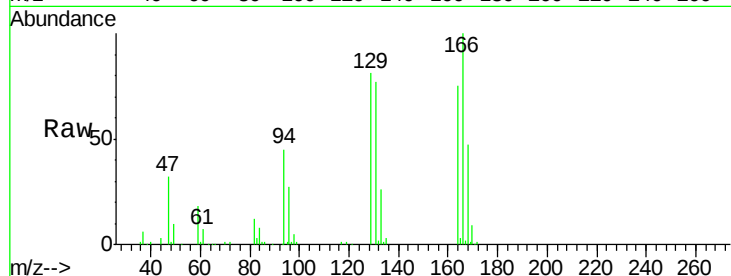
Ion Ratio Lower Upper

164 100

166 133.4 103.9 155.9

129 108.2 78.9 118.3

131 102.4 77.0 115.6

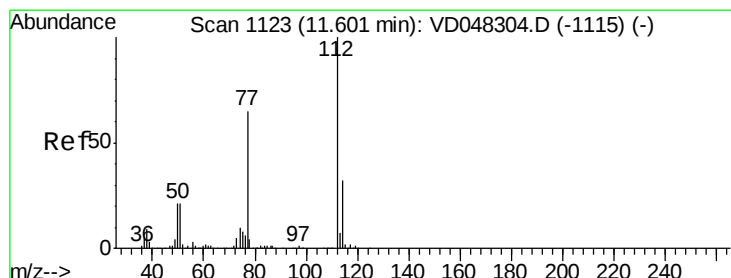
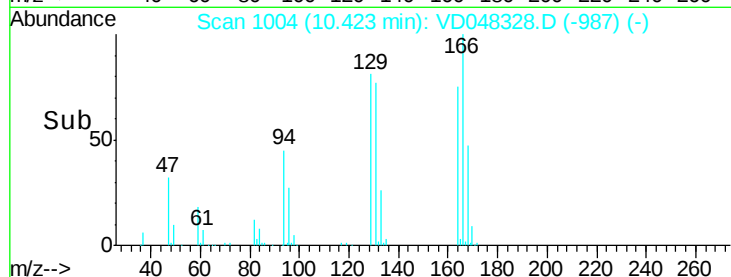
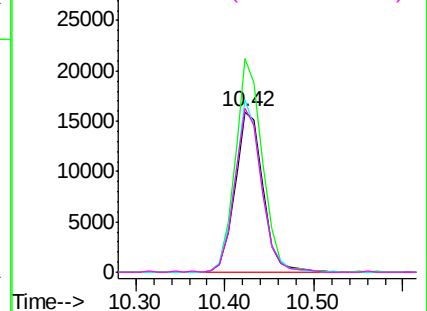


Abundance Ion 163.85 (163.55 to 164.55): V

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: 18.57 ug/l

RT: 11.57 min Scan# 1120

Delta R.T. -0.03 min

Lab File: VD048328.D

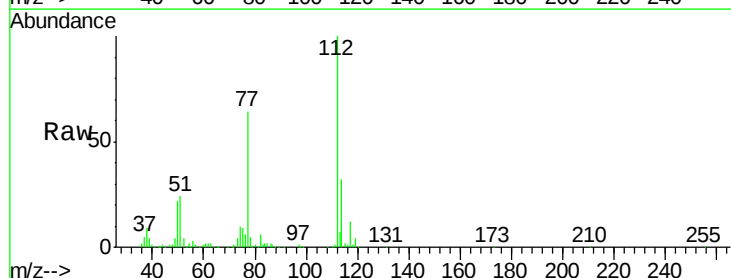
Acq: 6 Jan 2016 17:57

Tgt Ion:112 Resp: 120256

Ion Ratio Lower Upper

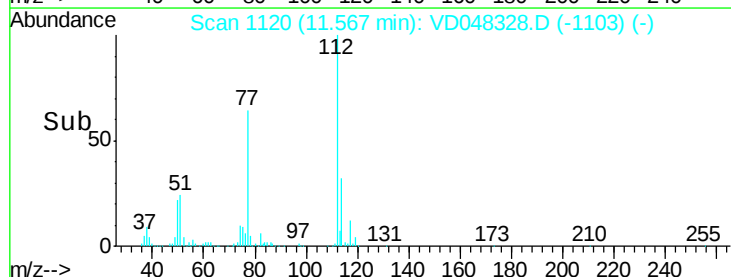
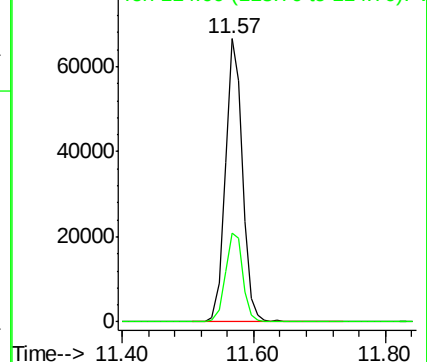
112 100

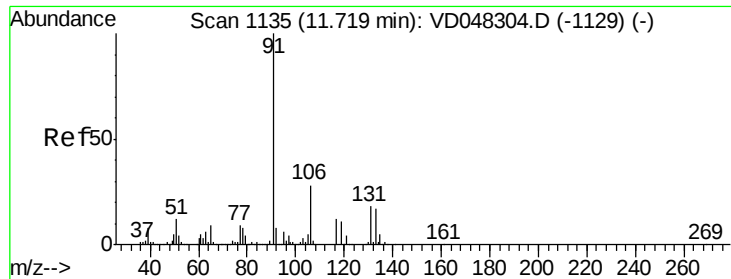
114 31.5 26.1 39.1



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V





#65

1,1,1,2-Tetrachloroethane

Concen: 17.83 ug/l

RT: 11.68 min Scan# 1132

Delta R.T. -0.03 min

Lab File: VD048328.D

Acq: 6 Jan 2016 17:57

Instrument :

BNA_F

ClientSampleId :

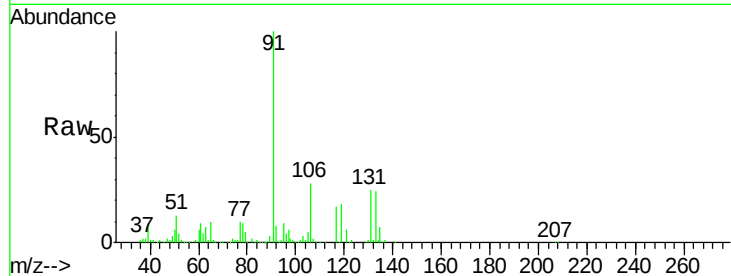
Tot Ion:131 Resp: 41169

Ion Ratio Lower Upper

131 100

133 94.7 47.5 142.6

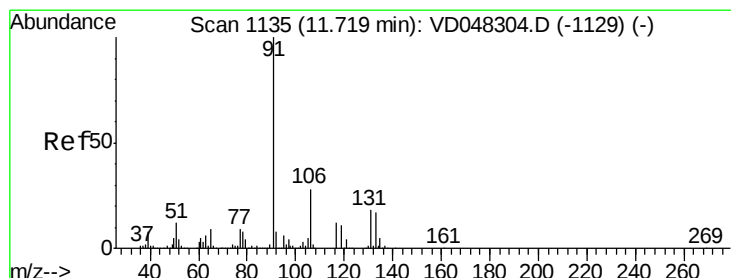
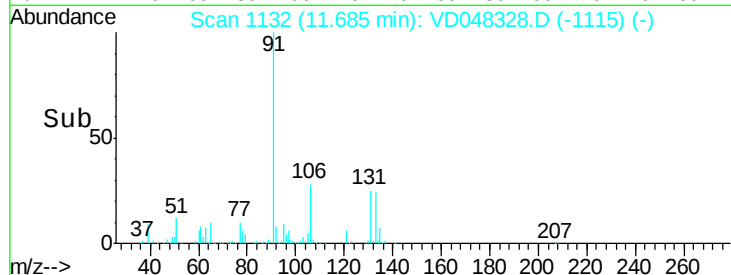
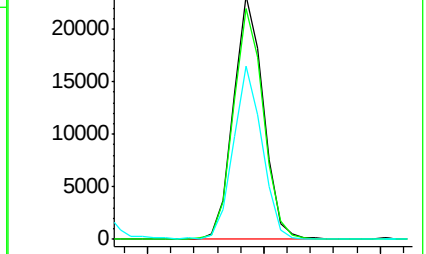
119 71.4 32.9 98.7



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: 17.71 ug/l

RT: 11.69 min Scan# 1133

Delta R.T. -0.02 min

Lab File: VD048328.D

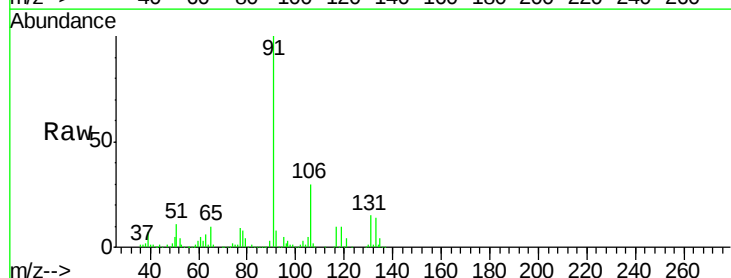
Acq: 6 Jan 2016 17:57

Tgt Ion: 91 Resp: 202890

Ion Ratio Lower Upper

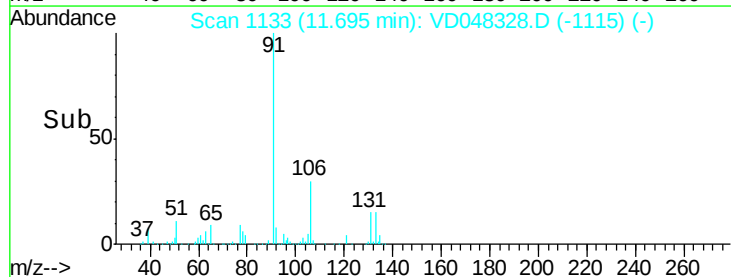
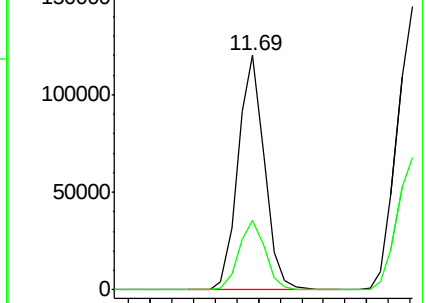
91 100

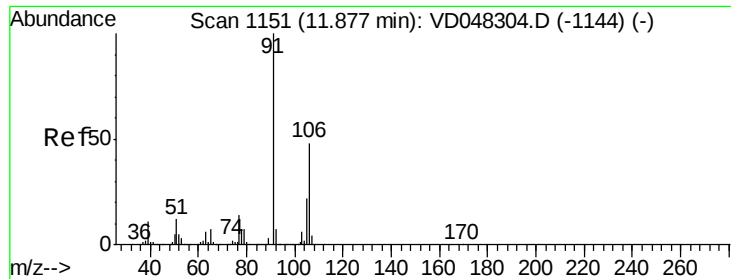
106 29.6 23.8 35.6



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.05 (105.75 to 106.75): V

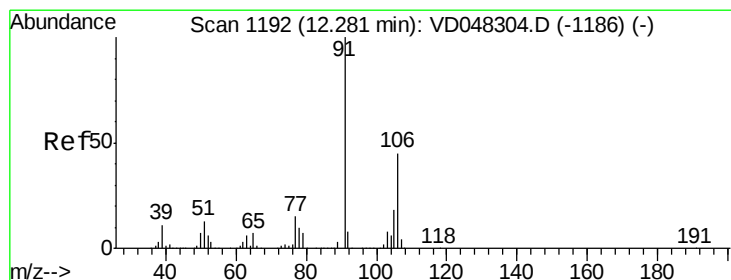
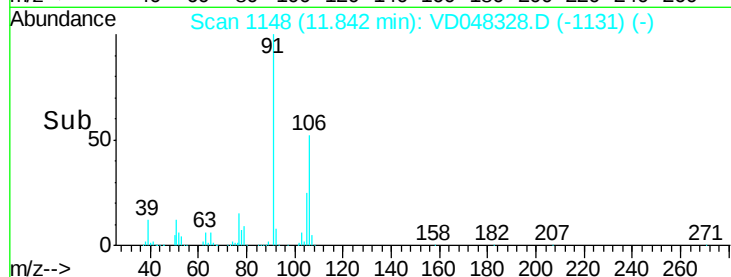
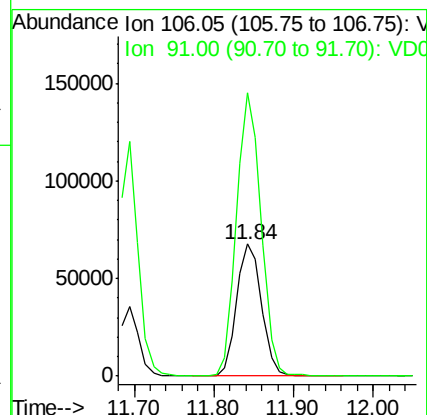
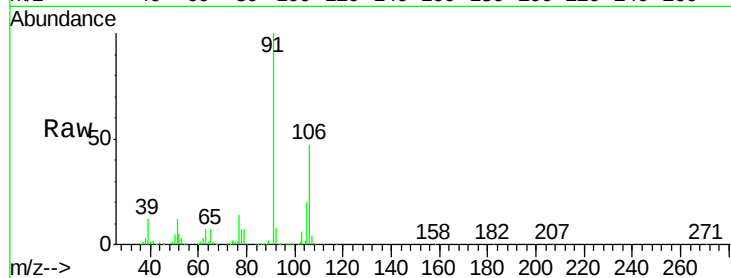




#67
m/p-Xylenes
Concen: 36.27 ug/l
RT: 11.84 min Scan# 1148
Delta R.T. -0.03 min
Lab File: VD048328.D
Acq: 6 Jan 2016 17:57

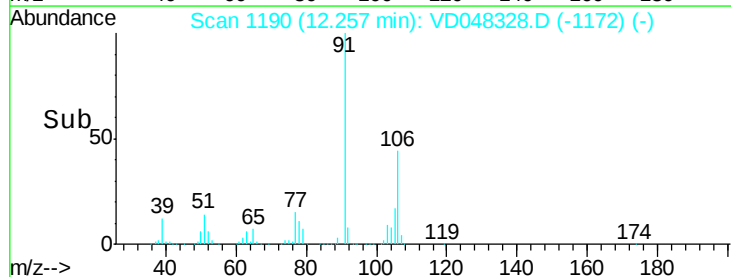
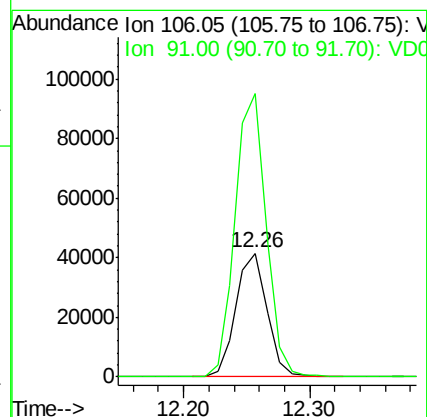
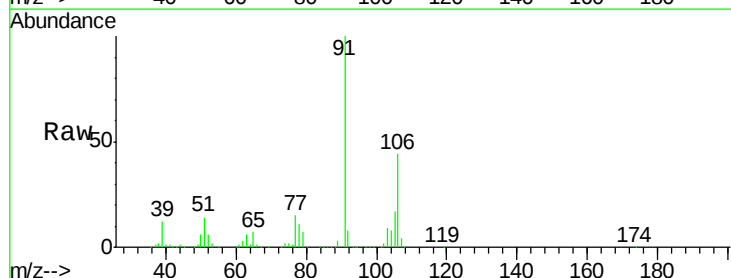
Instrument :
BNA_F
ClientSampleId :

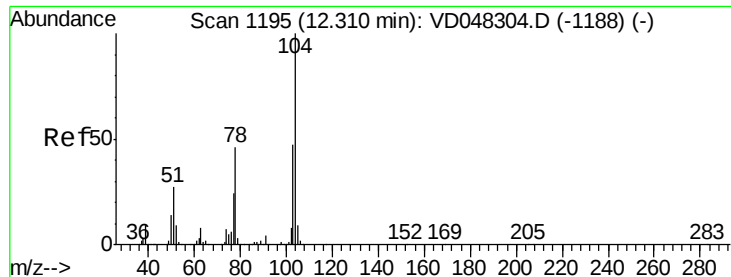
Tot Ion:106 Resp: 147167
Ion Ratio Lower Upper
106 100
91 214.5 162.0 243.0



#68
o-Xylene
Concen: 18.11 ug/l
RT: 12.26 min Scan# 1190
Delta R.T. -0.02 min
Lab File: VD048328.D
Acq: 6 Jan 2016 17:57

Tgt Ion:106 Resp: 70696
Ion Ratio Lower Upper
106 100
91 228.8 111.8 335.3

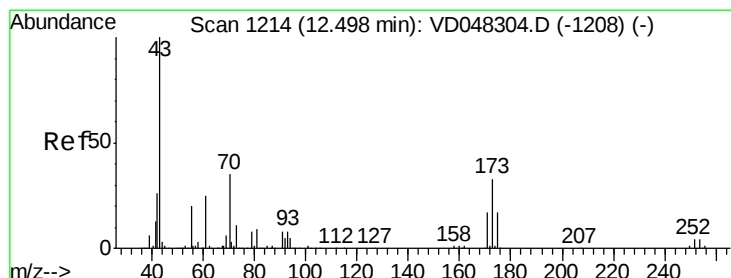
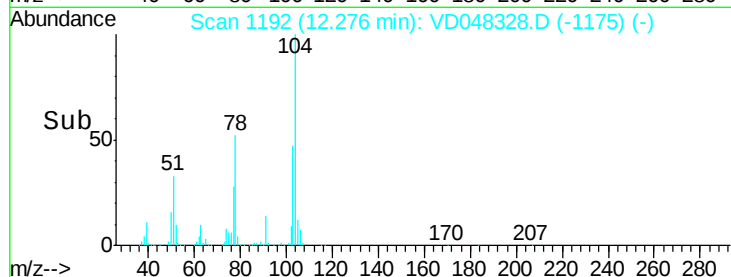
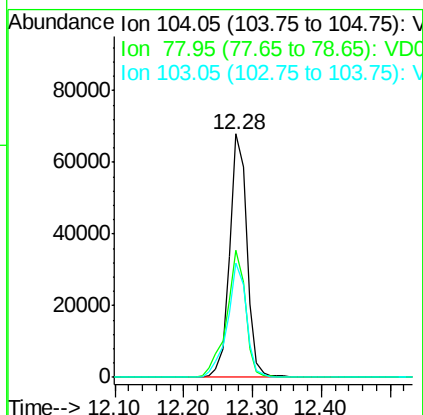
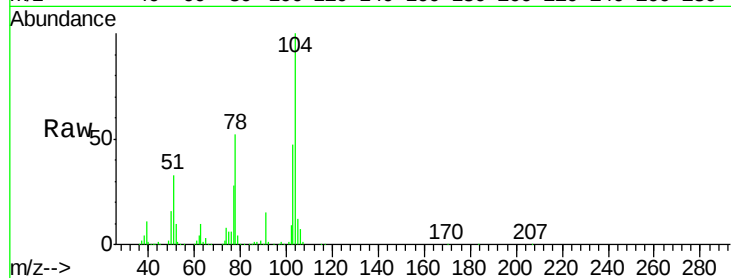




#69
Stvrene
Concen: 18.86 ug/l
RT: 12.28 min Scan# 1192
Delta R.T. -0.03 min
Lab File: VD048328.D
Acq: 6 Jan 2016 17:57

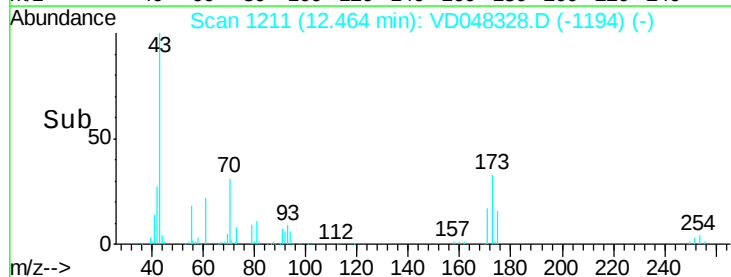
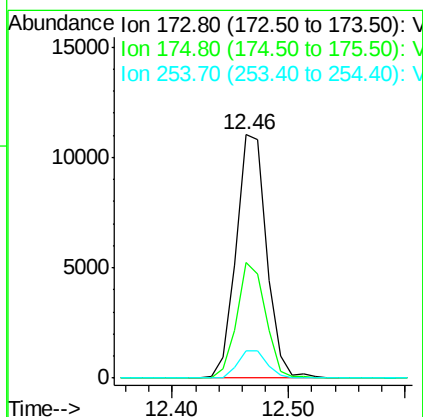
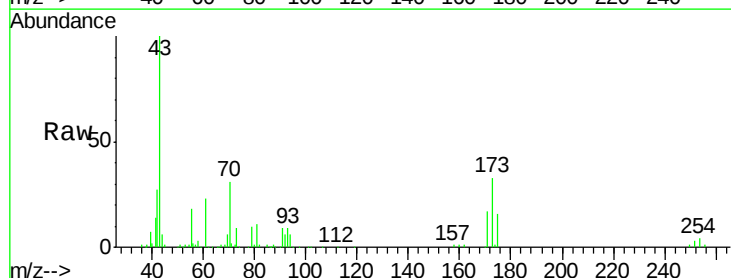
Instrument :
BNA_F
ClientSampleId :

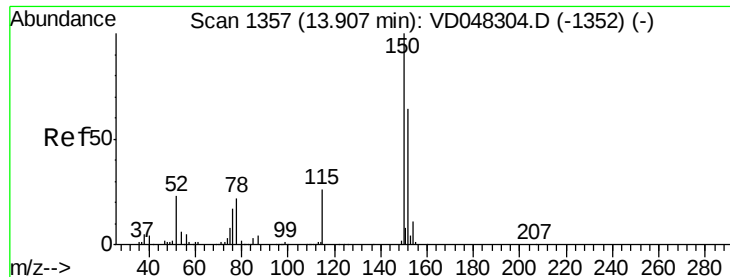
Tot Ion:104 Resp: 117769
Ion Ratio Lower Upper
104 100
78 52.1 37.5 56.3
103 47.0 37.3 55.9



#70
Bromoform
Concen: 17.64 ug/l
RT: 12.46 min Scan# 1211
Delta R.T. -0.03 min
Lab File: VD048328.D
Acq: 6 Jan 2016 17:57

Tgt Ion:173 Resp: 19962
Ion Ratio Lower Upper
173 100
175 47.7 26.0 78.0
254 11.3 7.7 11.5





#71

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.88 min Scan# 1355

Delta R.T. -0.02 min

Lab File: VD048328.D

Acq: 6 Jan 2016 17:57

Instrument :

BNA_F

ClientSampleId :

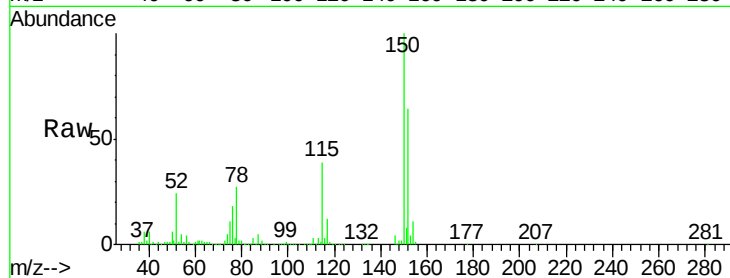
Tot Ion:152 Resp: 144820

Ion Ratio Lower Upper

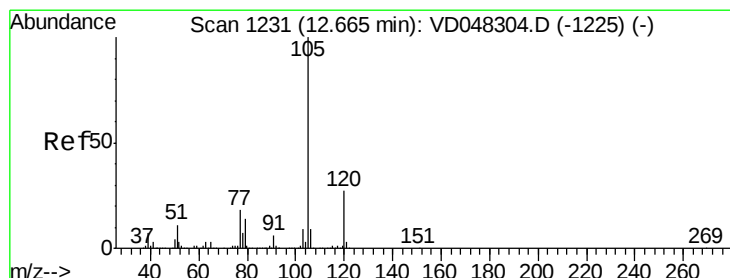
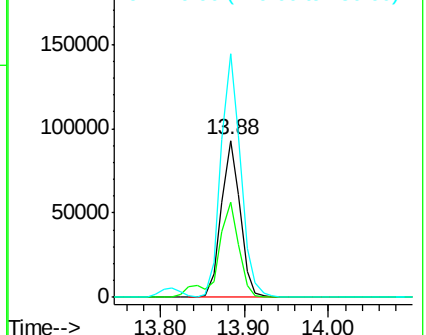
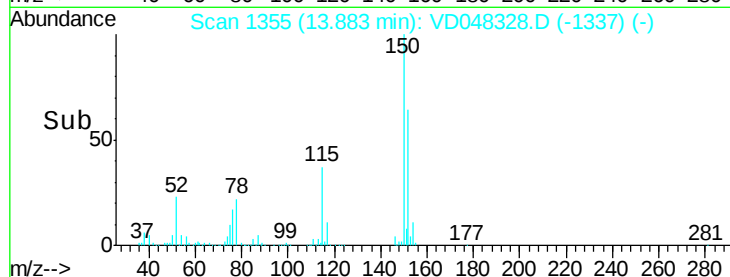
152 100

115 60.7 32.4 97.2

150 155.3 0.0 314.6



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



#72

Isopropylbenzene

Concen: 17.53 ug/l

RT: 12.63 min Scan# 1228

Delta R.T. -0.03 min

Lab File: VD048328.D

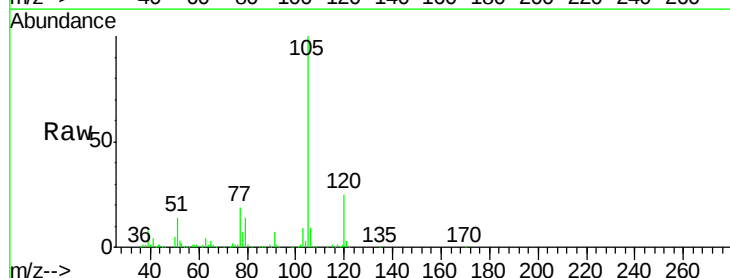
Acq: 6 Jan 2016 17:57

Tgt Ion:105 Resp: 193815

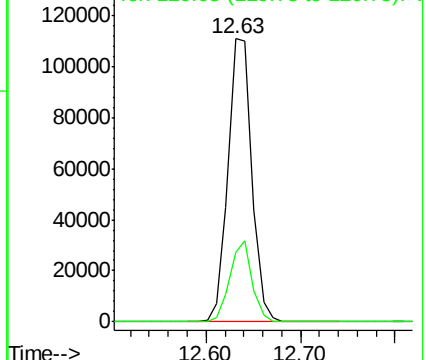
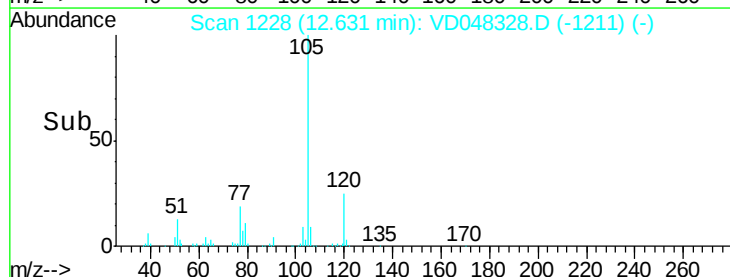
Ion Ratio Lower Upper

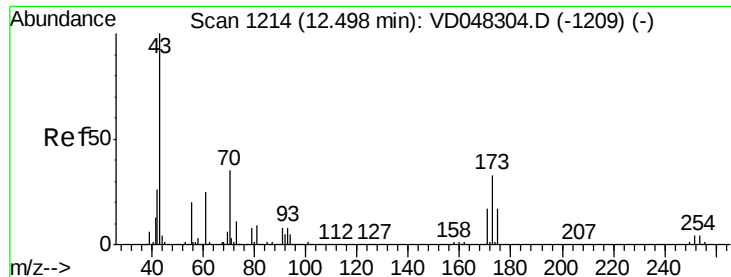
105 100

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: 20.30 ug/l

RT: 12.47 min Scan# 1212

Delta R.T. -0.02 min

Lab File: VD048328.D

Acq: 6 Jan 2016 17:57

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 43 Resp: 63292

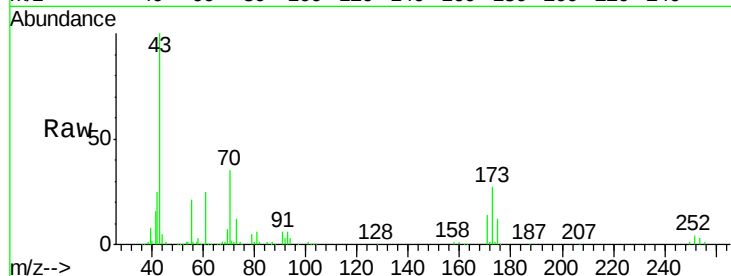
Ion	Ratio	Lower	Upper
43	100		
70	34.9	27.2	40.8
55	21.2	15.4	23.0
61	24.6	19.9	29.9

43 100

70 34.9 27.2 40.8

55 21.2 15.4 23.0

61 24.6 19.9 29.9



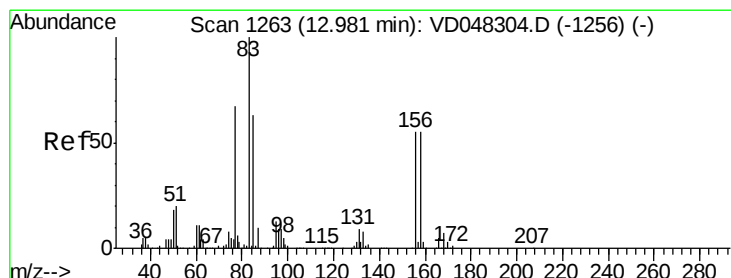
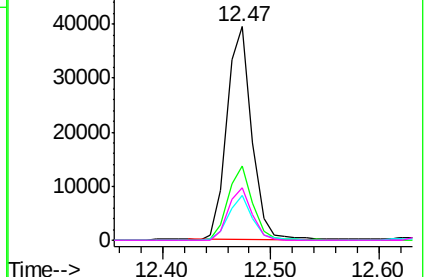
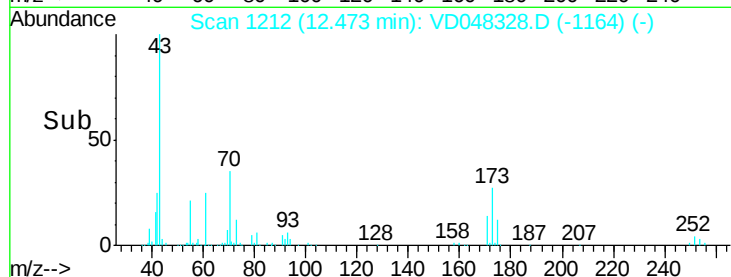
Abundance Ion 42.95 (42.65 to 43.65): VDC

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

Time-->



#74

1,1,2,2-Tetrachloroethane

Concen: 19.96 ug/l

RT: 12.96 min Scan# 1261

Delta R.T. -0.02 min

Lab File: VD048328.D

Acq: 6 Jan 2016 17:57

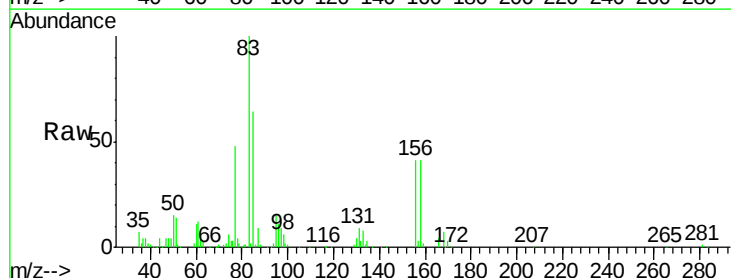
Tgt Ion: 83 Resp: 40965

Ion	Ratio	Lower	Upper
83	100		
131	9.0	4.3	13.1
85	63.5	31.1	93.2

83 100

131 9.0 4.3 13.1

85 63.5 31.1 93.2

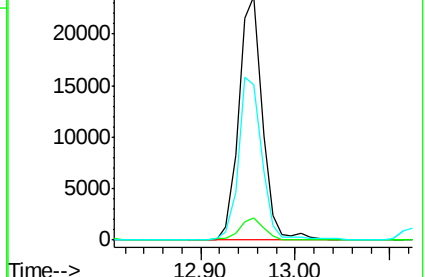
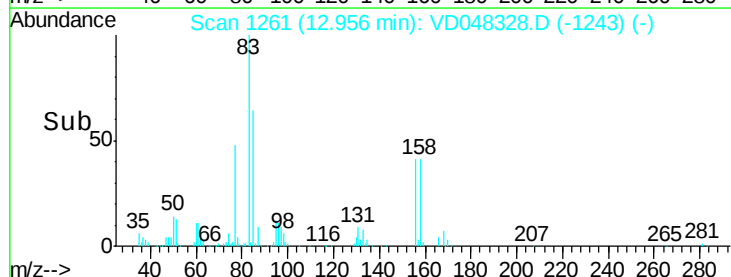


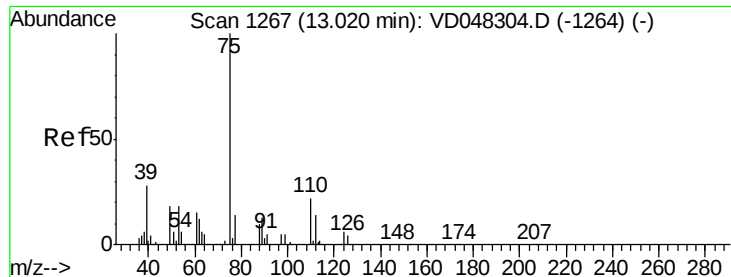
Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): V

Ion 84.95 (84.65 to 85.65): VDC

Time-->





#75

1,2,3-Trichloropropane

Concen: 19.84 ug/l

RT: 13.00 min Scan# 1265

Delta R.T. -0.02 min

Lab File: VD048328.D

Acq: 6 Jan 2016 17:57

Instrument :

BNA_F

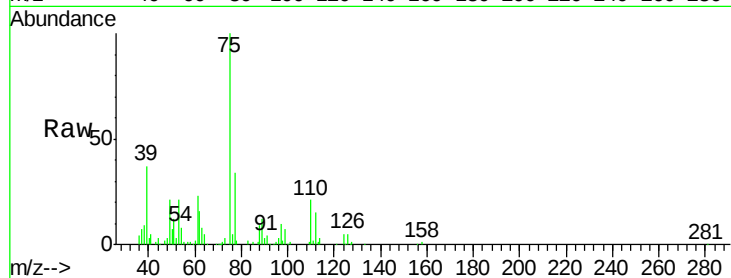
ClientSampleId :

Tot Ion: 75 Resp: 45578

Ion Ratio Lower Upper

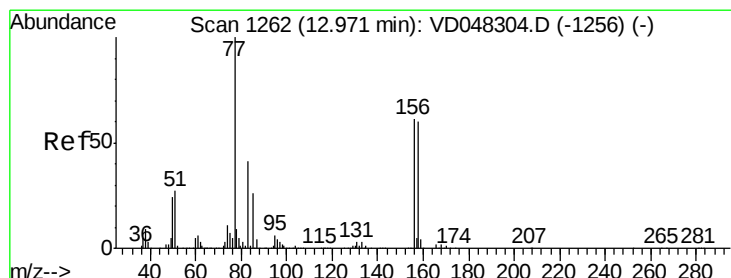
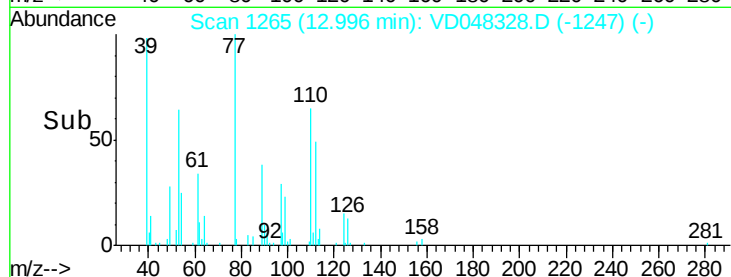
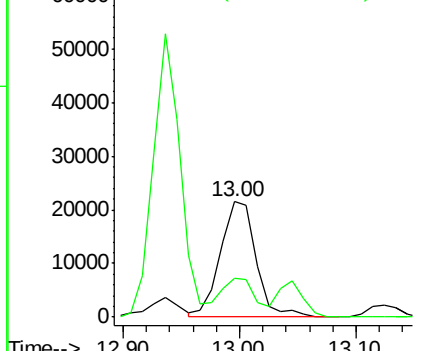
75 100

77 33.6 15.8 47.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#76

Bromobenzene

Concen: 18.43 ug/l

RT: 12.94 min Scan# 1259

Delta R.T. -0.03 min

Lab File: VD048328.D

Acq: 6 Jan 2016 17:57

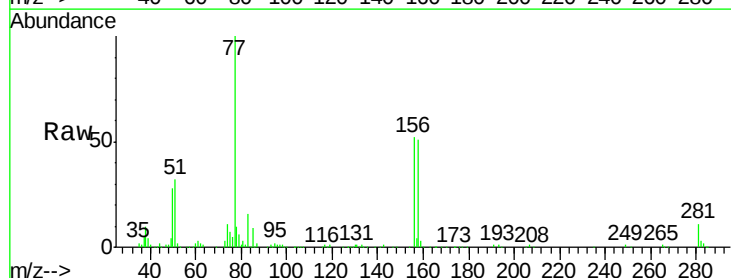
Tgt Ion: 156 Resp: 47590

Ion Ratio Lower Upper

156 100

77 190.8 87.5 262.4

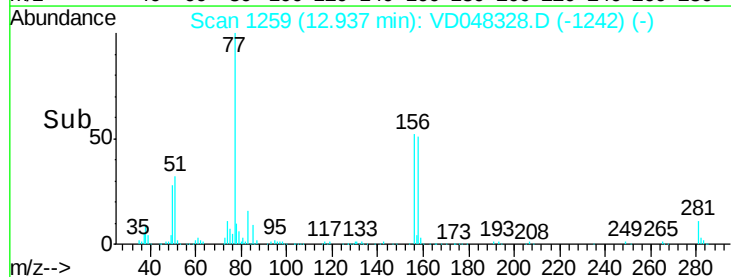
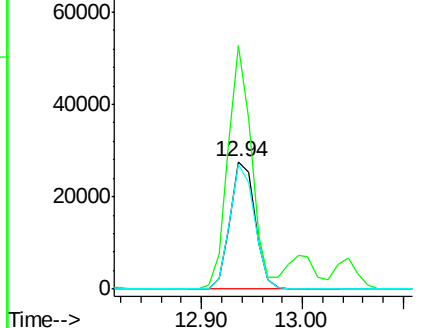
158 98.1 49.5 148.5

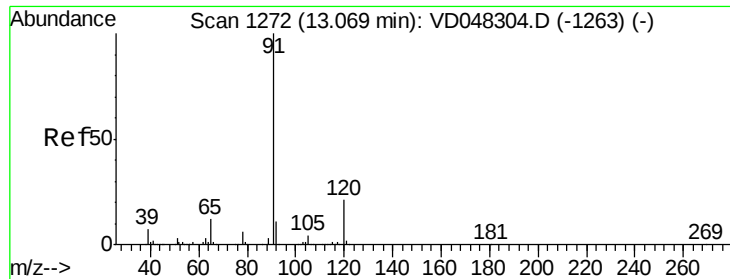


Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V





#77

n-propylbenzene

Concen: 17.42 ug/l

RT: 13.05 min Scan# 1270

Delta R.T. -0.02 min

Lab File: VD048328.D

Acq: 6 Jan 2016 17:57

Instrument :

BNA_F

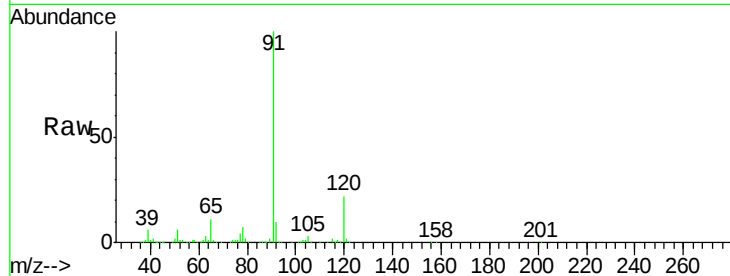
ClientSampled :

Tot Ion: 91 Resp: 248234

Ion Ratio Lower Upper

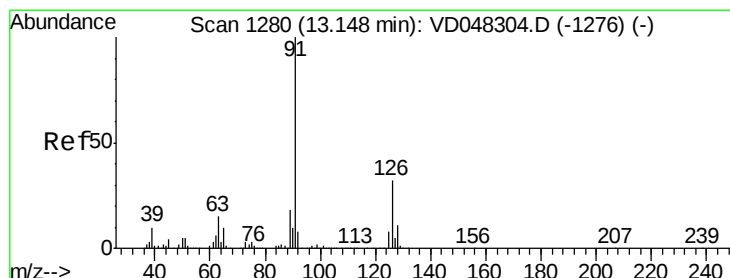
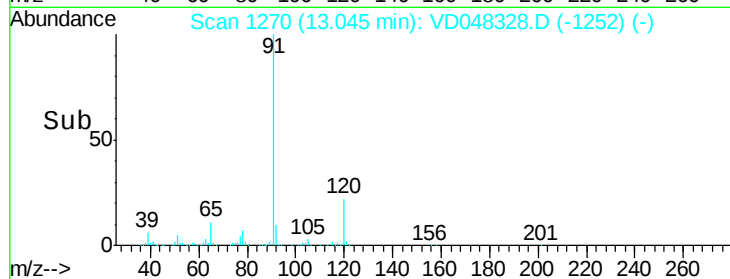
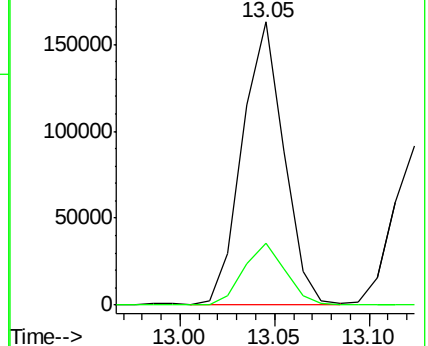
91 100

120 21.7 10.4 31.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): VDC



#78

2-Chlorotoluene

Concen: 17.71 ug/l

RT: 13.12 min Scan# 1278

Delta R.T. -0.02 min

Lab File: VD048328.D

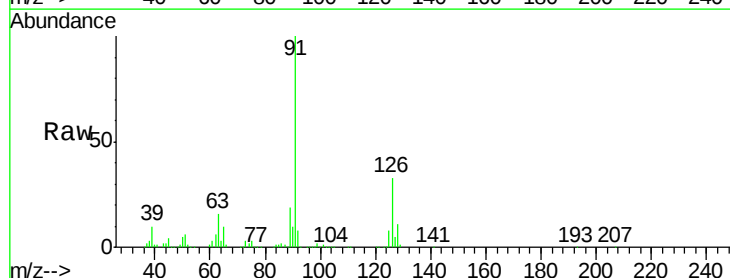
Acq: 6 Jan 2016 17:57

Tgt Ion: 91 Resp: 141092

Ion Ratio Lower Upper

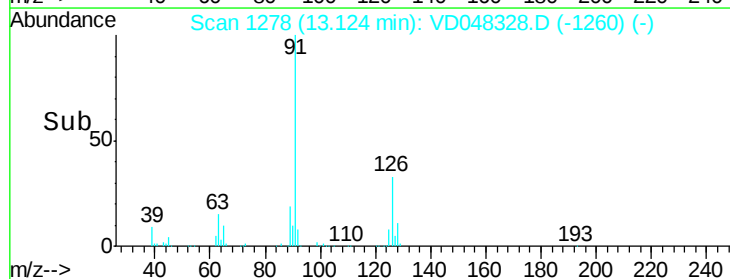
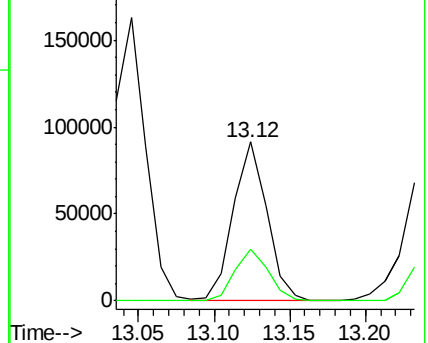
91 100

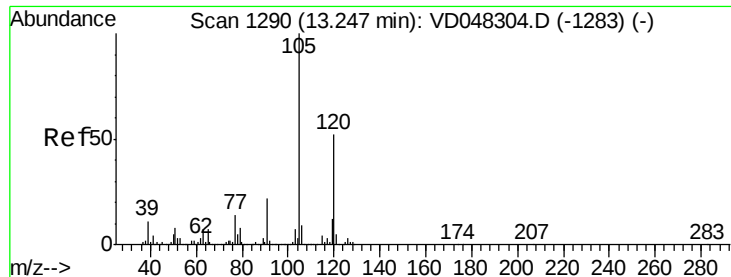
126 32.8 15.3 45.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): VDC

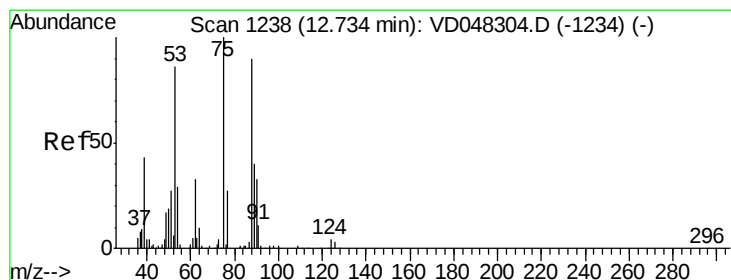
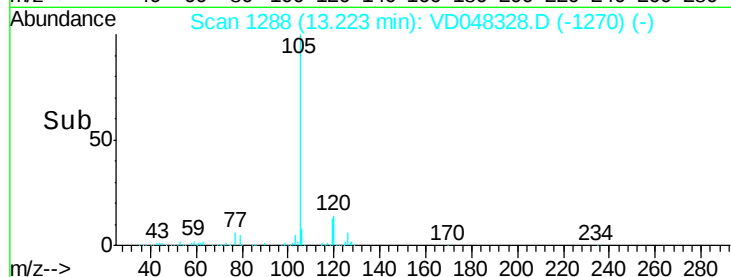
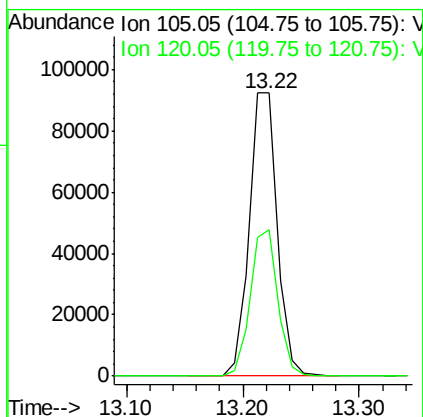
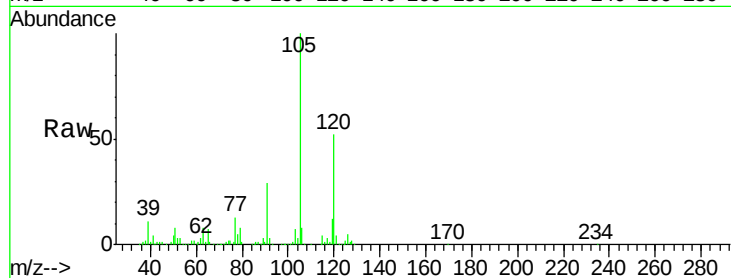




#79
 1,3,5-Trimethylbenzene
 Concen: 17.78 ug/l
 RT: 13.22 min Scan# 1288
 Delta R.T. -0.02 min
 Lab File: VD048328.D
 Acq: 6 Jan 2016 17:57

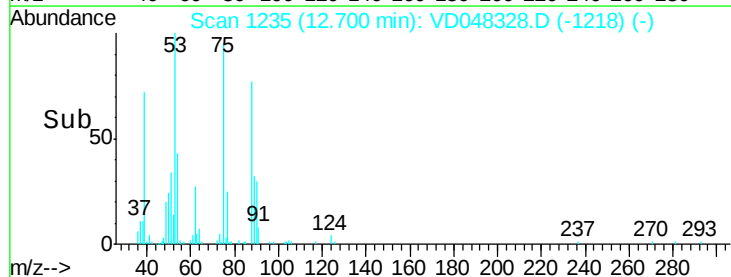
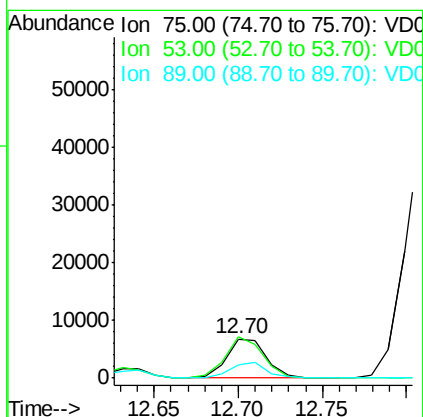
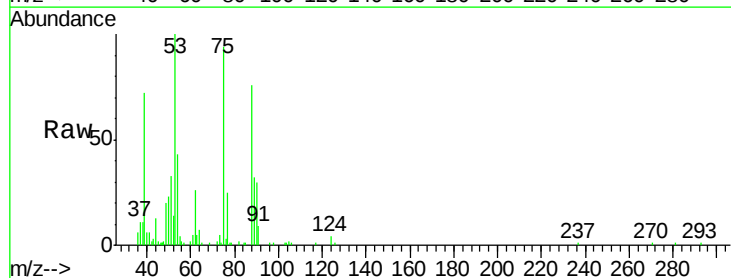
Instrument :
 BNA_F
 ClientSampleId :

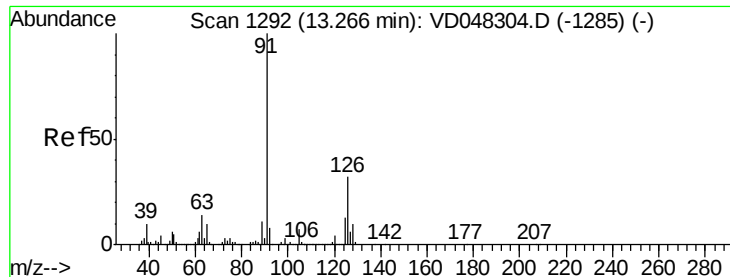
Tot Ion:105 Resp: 153046
 Ion Ratio Lower Upper
 105 100
 120 51.7 25.1 75.4



#80
 trans-1,4-Dichloro-2-butene
 Concen: 18.34 ug/l
 RT: 12.70 min Scan# 1235
 Delta R.T. -0.03 min
 Lab File: VD048328.D
 Acq: 6 Jan 2016 17:57

Tgt Ion: 75 Resp: 10963
 Ion Ratio Lower Upper
 75 100
 53 106.7 77.8 116.8
 89 34.3 32.6 49.0

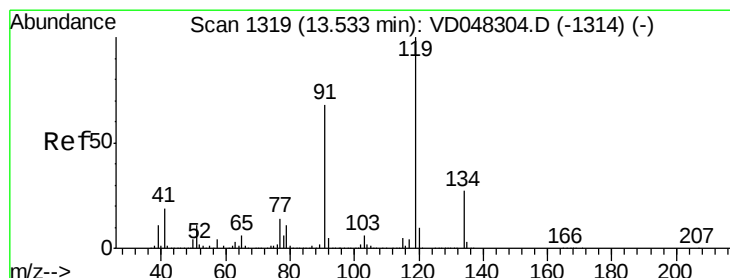
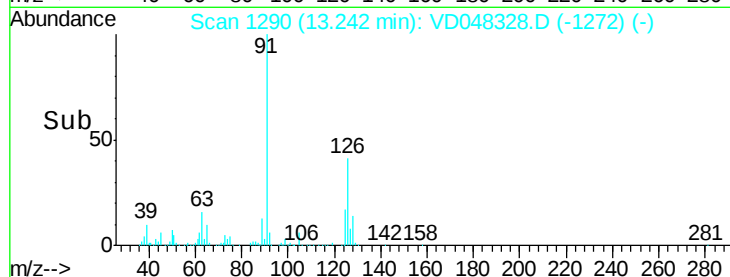
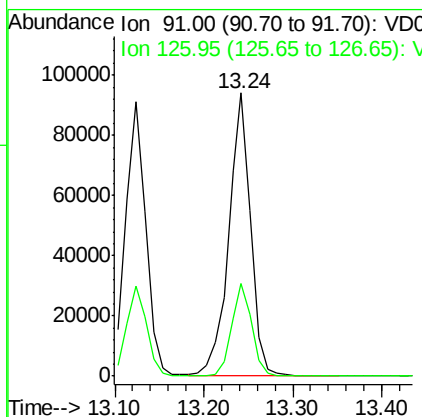
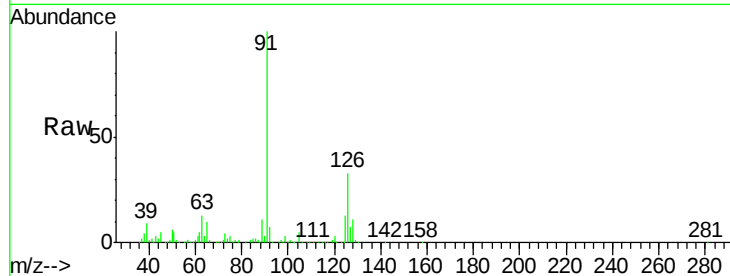




#81
4-Chlorotoluene
Concen: 17.69 ug/l
RT: 13.24 min Scan# 1290
Delta R.T. -0.02 min
Lab File: VD048328.D
Acq: 6 Jan 2016 17:57

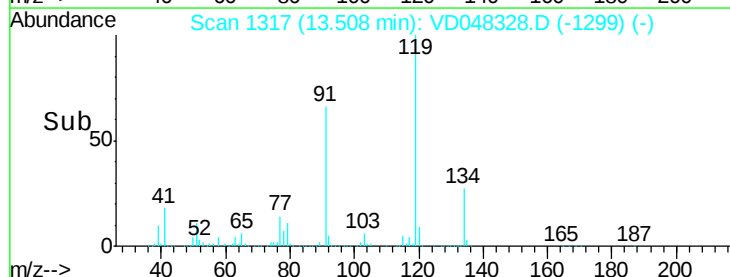
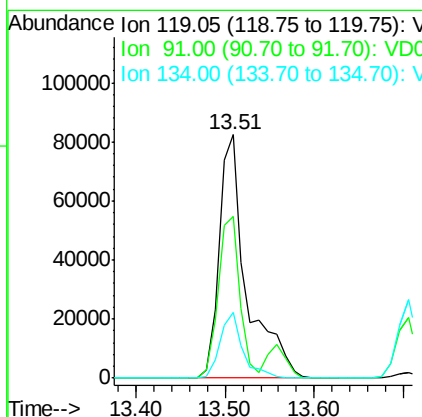
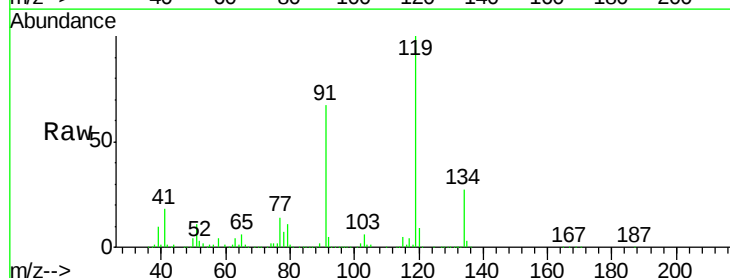
Instrument :
BNA_F
ClientSampleId :

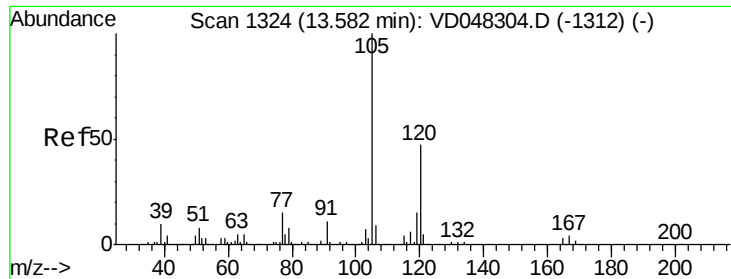
Tot Ion: 91 Resp: 162843
Ion Ratio Lower Upper
91 100
126 32.7 15.4 46.1



#82
tert-Butylbenzene
Concen: 21.29 ug/l
RT: 13.51 min Scan# 1317
Delta R.T. -0.02 min
Lab File: VD048328.D
Acq: 6 Jan 2016 17:57

Tgt Ion: 119 Resp: 177532
Ion Ratio Lower Upper
119 100
91 66.6 33.2 99.6
134 27.0 12.5 37.5

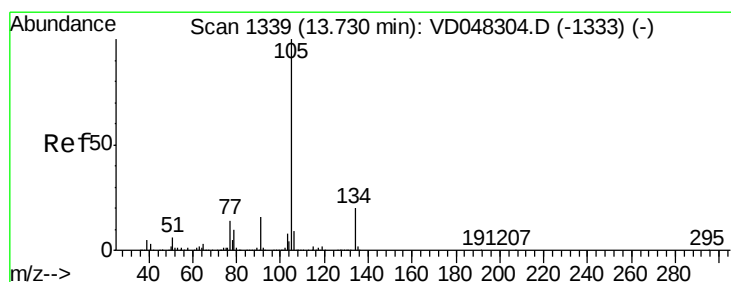
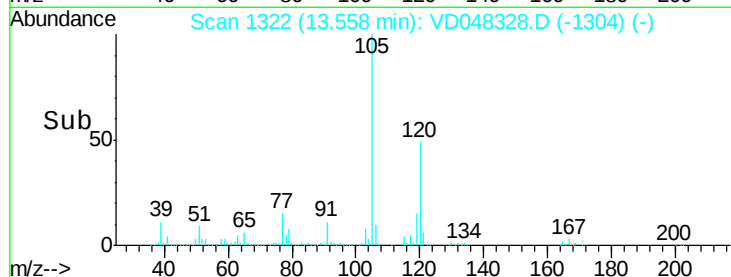
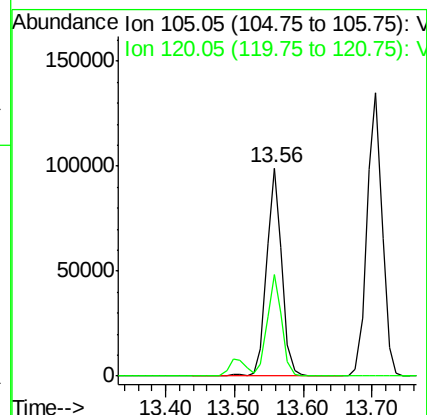
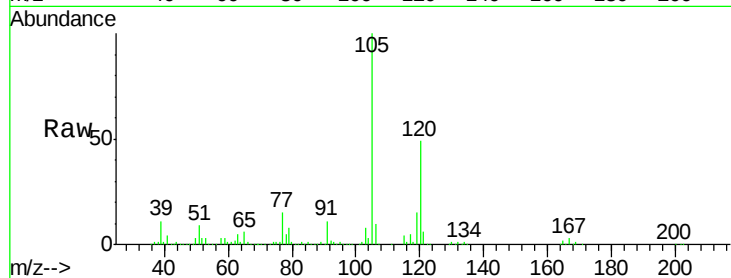




#83
 1,2,4-Trimethylbenzene
 Concen: 17.30 ug/l
 RT: 13.56 min Scan# 1322
 Delta R.T. -0.02 min
 Lab File: VD048328.D
 Acq: 6 Jan 2016 17:57

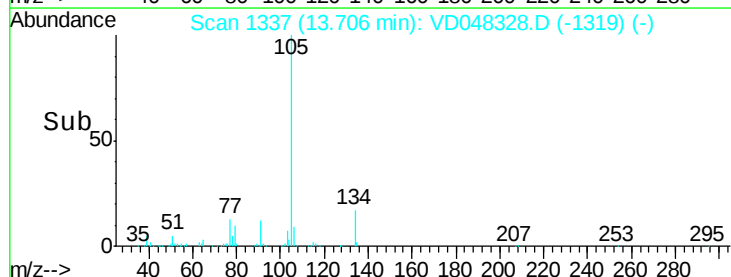
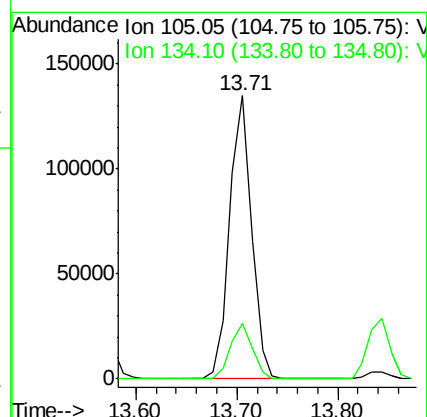
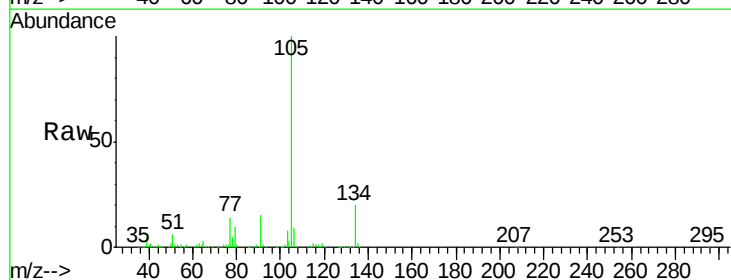
Instrument :
 BNA_F
 ClientSampleId :

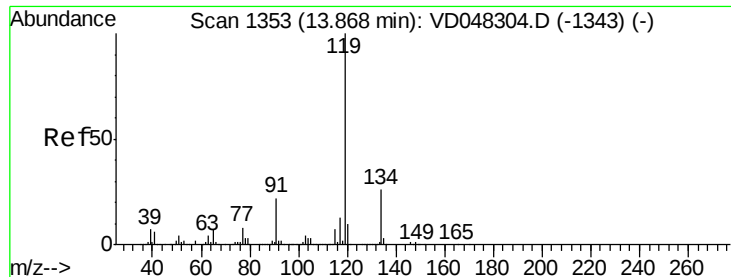
Tot Ion:105 Resp: 153232
 Ion Ratio Lower Upper
 105 100
 120 49.0 22.6 67.7



#84
 sec-Butylbenzene
 Concen: 17.22 ug/l
 RT: 13.71 min Scan# 1337
 Delta R.T. -0.02 min
 Lab File: VD048328.D
 Acq: 6 Jan 2016 17:57

Tgt Ion:105 Resp: 203729
 Ion Ratio Lower Upper
 105 100
 134 19.8 9.4 28.2





#85

p-Isopropyltoluene

Concen: 17.60 ug/l

RT: 13.84 min Scan# 1351

Delta R.T. -0.02 min

Lab File: VD048328.D

Acq: 6 Jan 2016 17:57

Instrument :

BNA_F

ClientSampleId :

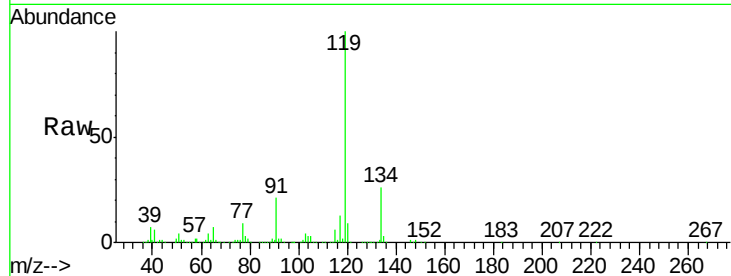
Tot Ion:119 Resp: 173177

Ion Ratio Lower Upper

119 100

134 25.5 12.5 37.5

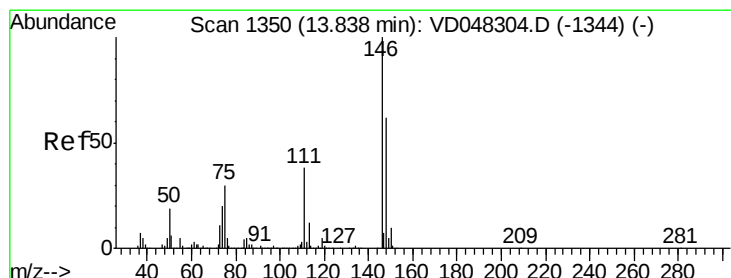
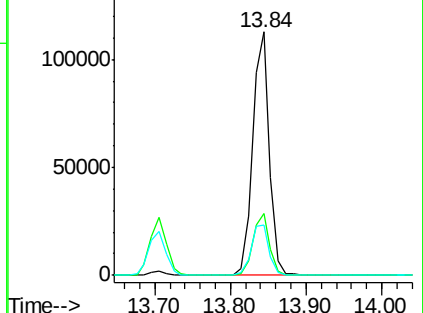
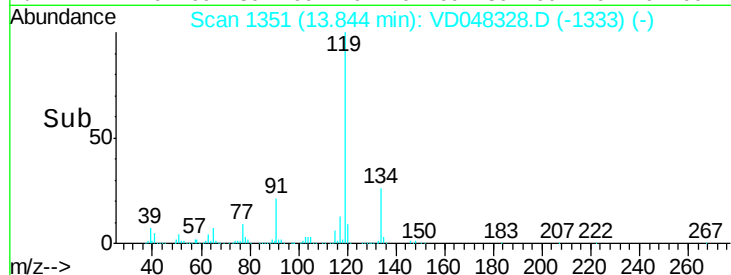
91 20.9 11.2 33.5



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V



#86

1,3-Dichlorobenzene

Concen: 17.98 ug/l

RT: 13.81 min Scan# 1348

Delta R.T. -0.02 min

Lab File: VD048328.D

Acq: 6 Jan 2016 17:57

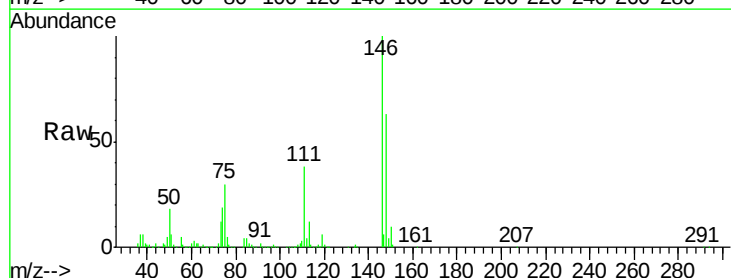
Tgt Ion:146 Resp: 88940

Ion Ratio Lower Upper

146 100

111 37.9 20.5 61.6

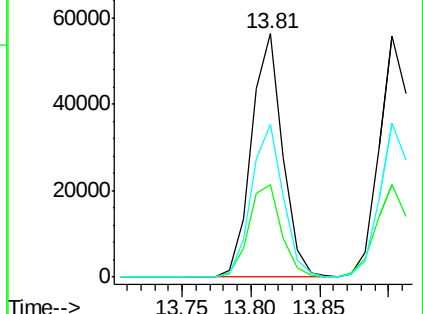
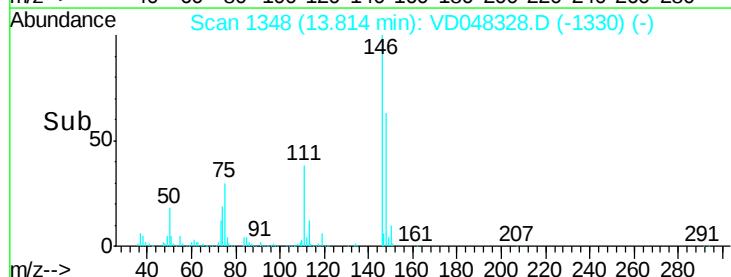
148 62.8 31.4 94.0

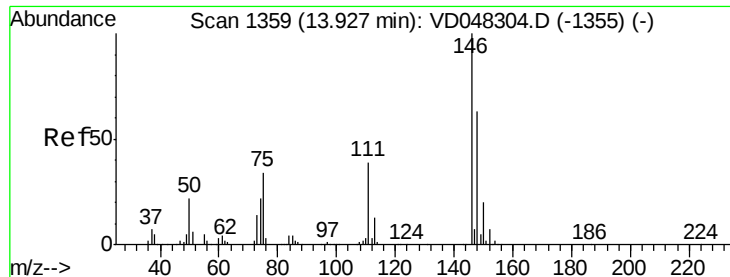


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

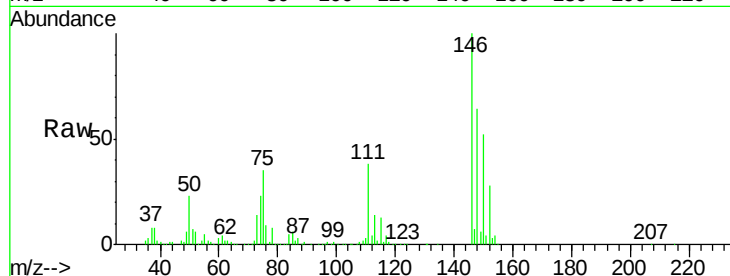




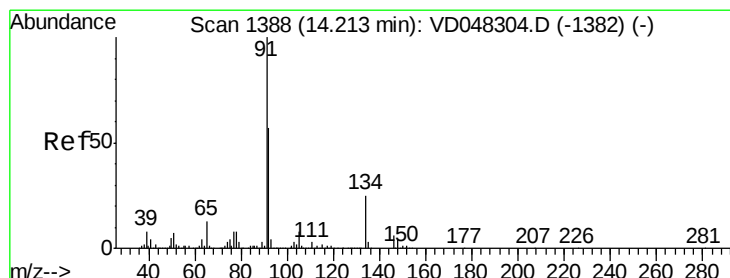
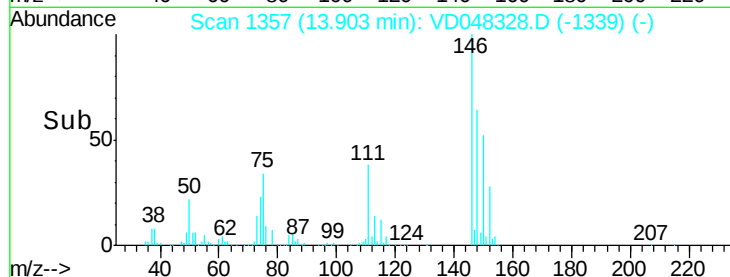
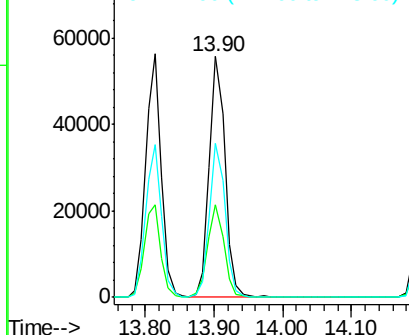
#87
 1,4-Dichlorobenzene
 Concen: 18.24 ug/l
 RT: 13.90 min Scan# 1357
 Delta R.T. -0.02 min
 Lab File: VD048328.D
 Acq: 6 Jan 2016 17:57

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:146 Resp: 90095
 Ion Ratio Lower Upper
 146 100
 111 38.3 18.4 55.2
 148 64.2 32.1 96.5

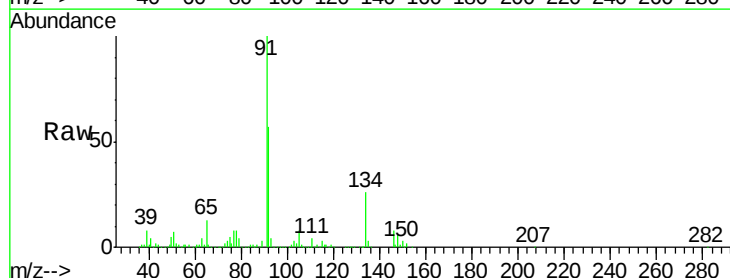


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

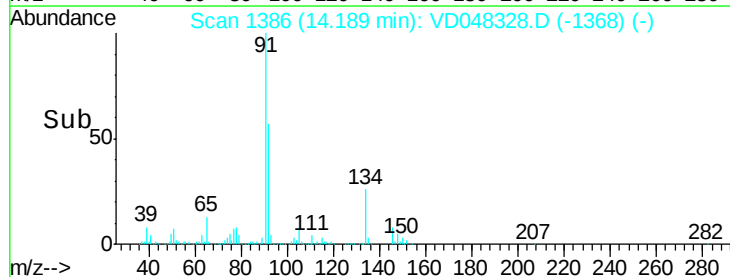
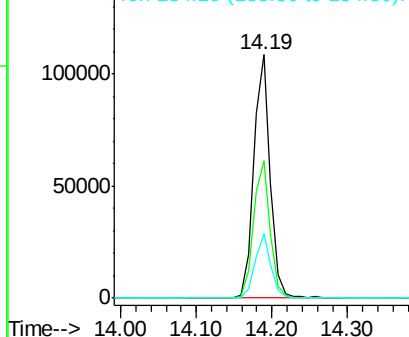


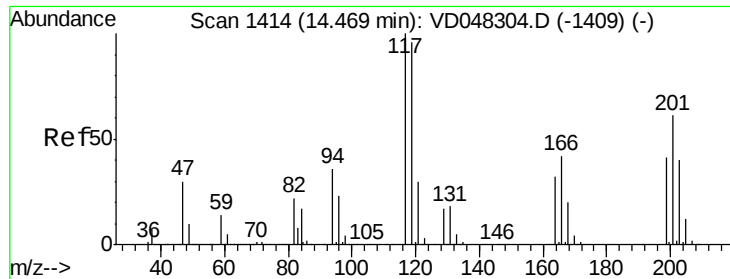
#88
 n-Butylbenzene
 Concen: 16.77 ug/l
 RT: 14.19 min Scan# 1386
 Delta R.T. -0.02 min
 Lab File: VD048328.D
 Acq: 6 Jan 2016 17:57

Tgt Ion: 91 Resp: 165025
 Ion Ratio Lower Upper
 91 100
 92 56.6 28.8 86.5
 134 26.4 11.7 35.0



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





#89

Hexachloroethane

Concen: 15.00 ug/l

RT: 14.44 min Scan# 1412

Delta R.T. -0.02 min

Lab File: VD048328.D

Acq: 6 Jan 2016 17:57

Instrument :

BNA_F

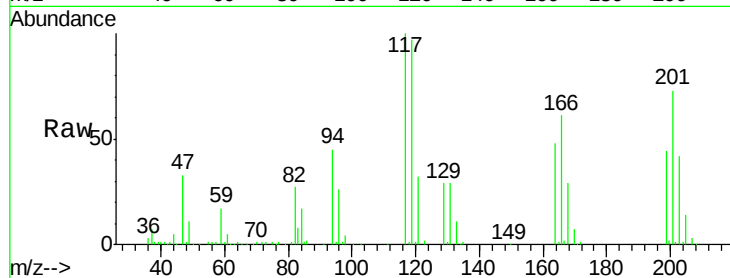
ClientSampleId :

Tot Ion:117 Resp: 30075

Ion Ratio Lower Upper

117 100

201 73.4 28.5 85.5



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

14.44

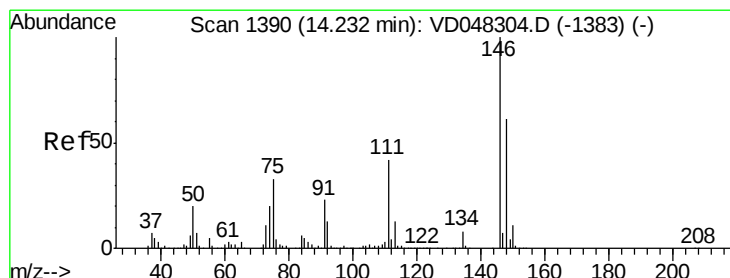
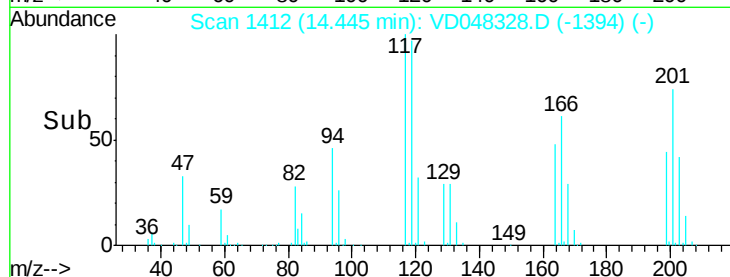
15000

10000

5000

0

Time-->



#90

1,2-Dichlorobenzene

Concen: 18.25 ug/l

RT: 14.21 min Scan# 1388

Delta R.T. -0.02 min

Lab File: VD048328.D

Acq: 6 Jan 2016 17:57

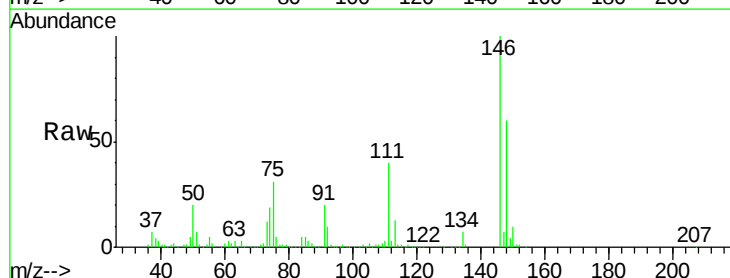
Tgt Ion:146 Resp: 79401

Ion Ratio Lower Upper

146 100

111 39.7 22.0 66.0

148 60.0 32.0 96.2



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

14.21

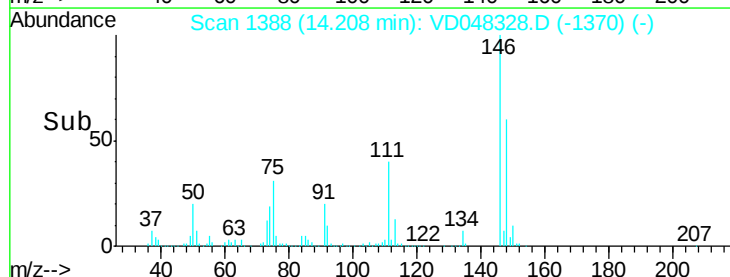
60000

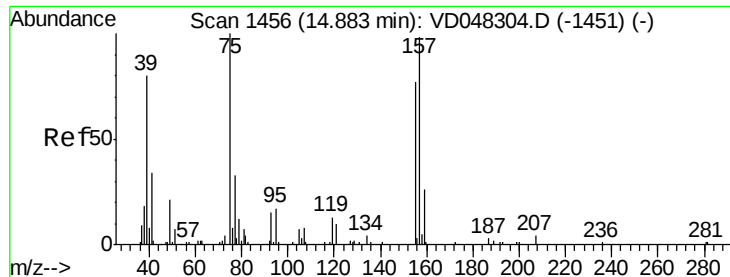
40000

20000

0

Time-->

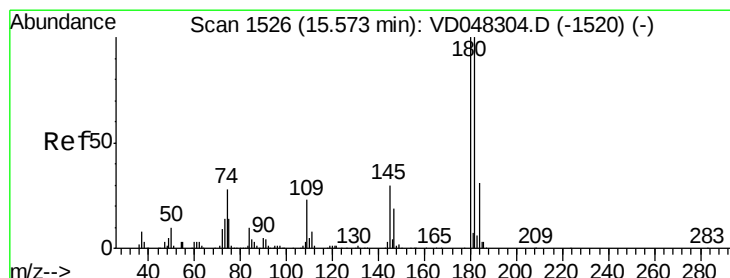
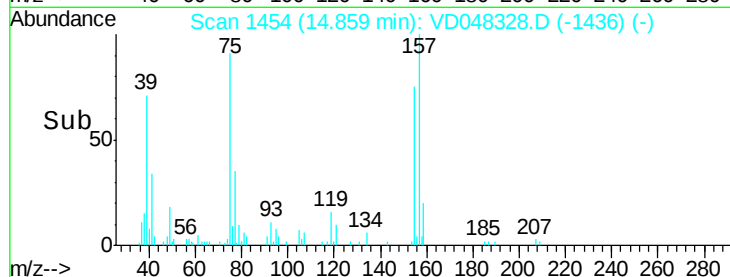
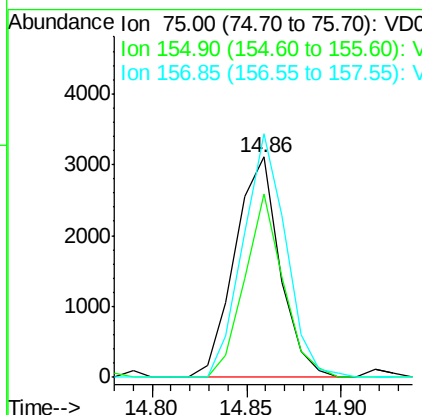
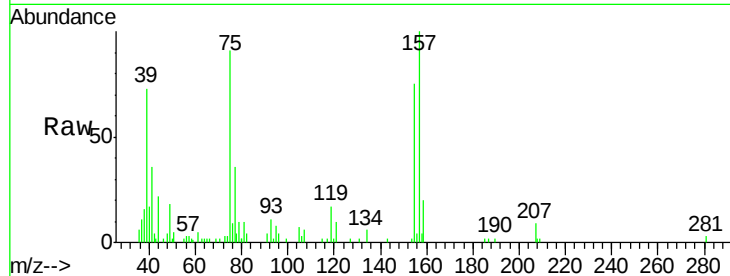




#91
 1,2-Dibromo-3-Chloropropane
 Concen: 19.23 ug/l
 RT: 14.86 min Scan# 1454
 Delta R.T. -0.02 min
 Lab File: VD048328.D
 Acq: 6 Jan 2016 17:57

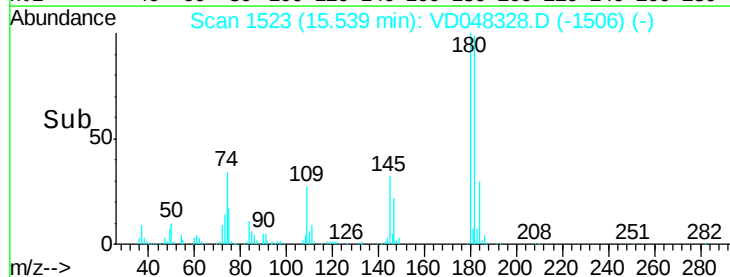
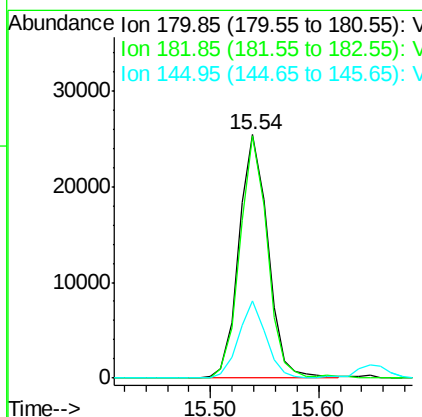
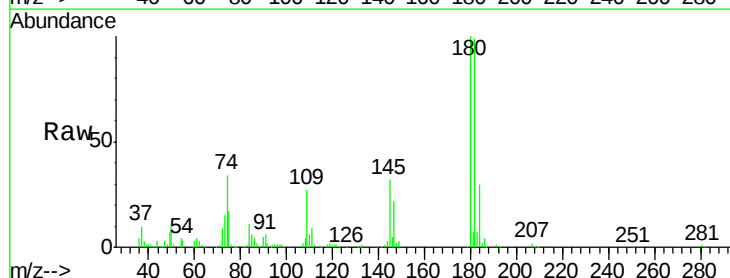
Instrument :
 BNA_F
 ClientSampleId :

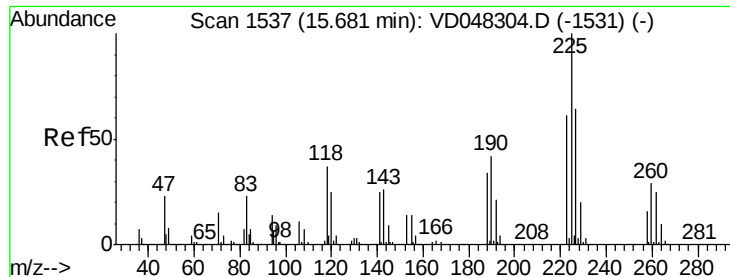
Tot Ion: 75 Resp: 5138
 Ion Ratio Lower Upper
 75 100
 155 83.1 38.2 114.6
 157 110.4 50.5 151.6



#92
 1,2,4-Trichlorobenzene
 Concen: 18.17 ug/l
 RT: 15.54 min Scan# 1523
 Delta R.T. -0.03 min
 Lab File: VD048328.D
 Acq: 6 Jan 2016 17:57

Tgt Ion: 180 Resp: 47444
 Ion Ratio Lower Upper
 180 100
 182 99.3 46.6 139.8
 145 31.6 14.9 44.7





#93

Hexachlorobutadiene

Concen: 17.07 ug/l

RT: 15.65 min Scan# 1534

Delta R.T. -0.03 min

Lab File: VD048328.D

Acq: 6 Jan 2016 17:57

Instrument :

BNA_F

ClientSampleId :

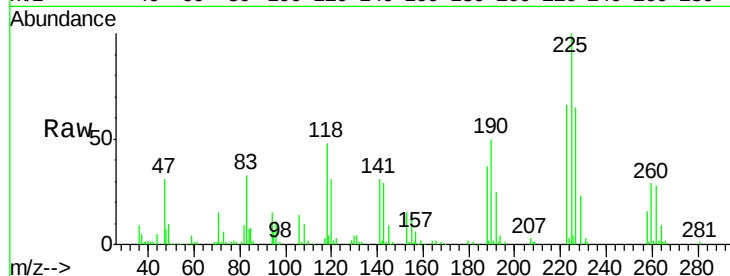
Tot Ion:225 Resp: 29528

Ion Ratio Lower Upper

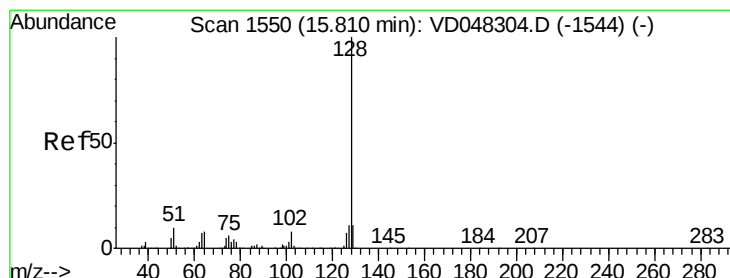
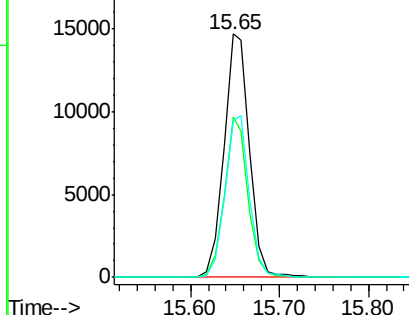
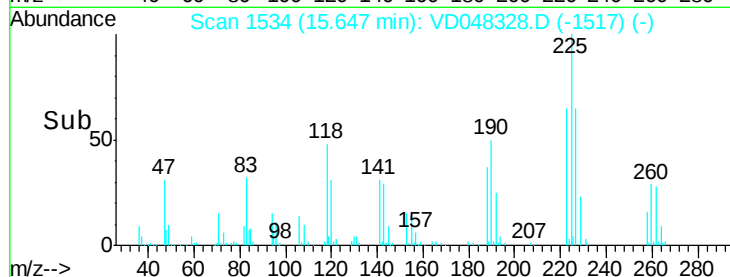
225 100

223 65.9 31.8 95.3

227 64.6 30.4 91.2



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



#94

Naphthalene

Concen: 20.51 ug/l

RT: 15.79 min Scan# 1548

Delta R.T. -0.02 min

Lab File: VD048328.D

Acq: 6 Jan 2016 17:57

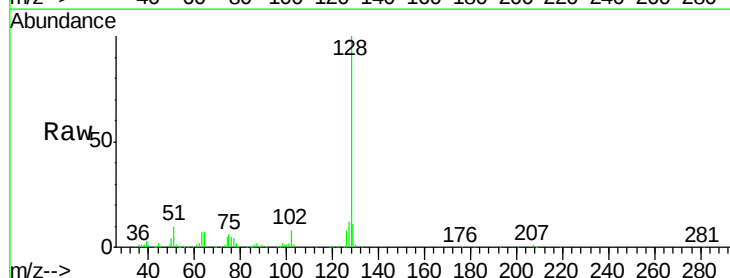
Tgt Ion:128 Resp: 90831

Ion Ratio Lower Upper

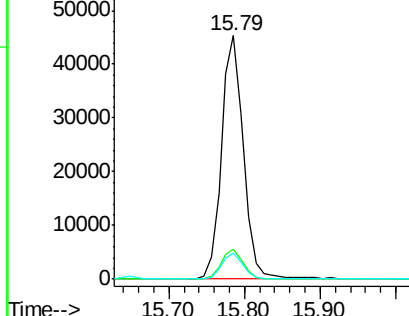
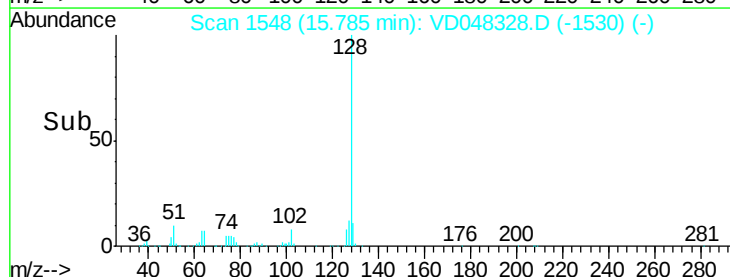
128 100

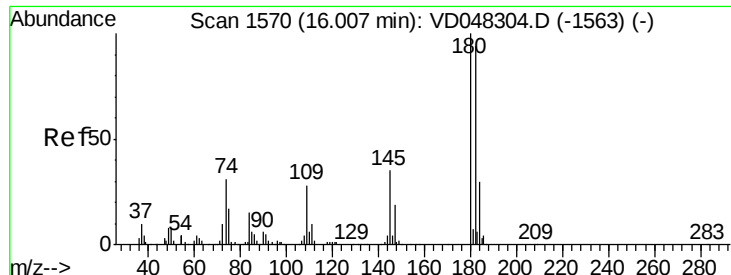
127 12.5 9.7 14.5

129 10.6 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: 18.75 ug/l

RT: 15.98 min Scan# 1568

Delta R.T. -0.02 min

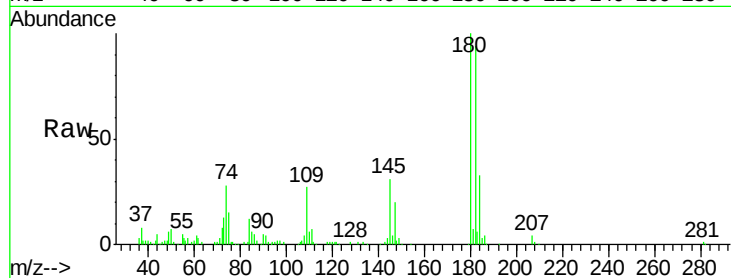
Lab File: VD048328.D

Acq: 6 Jan 2016 17:57

Instrument :

BNA_F

ClientSampleId :



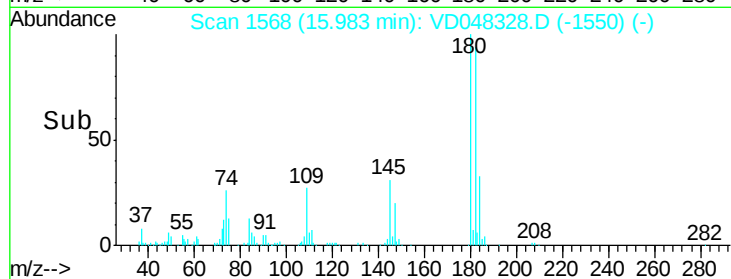
Tot Ion:180 Resp: 40145

Ion Ratio Lower Upper

180 100

182 94.1 49.0 147.0

145 31.1 16.8 50.3



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

