

Data Path : W:\HPCHEM1\MSVOA D\DATA\VD010616\
 Data File : VD048322.D
 Acq On : 6 Jan 2016 15:20
 Operator : FY/SY
 Sample : VD0106SBS02
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 07 04:27:29 2016
 Quant Method : W:\HPCHEM1\MSVOA_D\METHOD\82D010416S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 04 14:08:32 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.26	168	206043	50.00	ug/l	-0.02
33) 1,4-Difluorobenzene	7.39	114	362640	50.00	ug/l	-0.02
62) Chlorobenzene-d5	11.55	117	367933	50.00	ug/l	-0.01
71) 1,4-Dichlorobenzene-d4	13.89	152	165724	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
32) 1,2-Dichloroethane-d4	6.67	65	127892	50.65	ug/l	-0.03
Spiked Amount			Recovery	=	101.30%	
34) Dibromofluoromethane	6.17	113	117888	48.14	ug/l	-0.03
Spiked Amount			Recovery	=	96.28%	
49) Toluene-d8	9.58	98	382720	47.28	ug/l	-0.02
Spiked Amount			Recovery	=	94.56%	
61) 4-Bromofluorobenzene	12.82	95	167456	47.64	ug/l	-0.01
Spiked Amount			Recovery	=	95.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.40	85	49294	18.49	ug/l	96
3) Chloromethane	1.60	50	25454	15.58	ug/l	99
4) Vinyl Chloride	1.66	62	25382	16.85	ug/l	94
5) Bromomethane	1.95	94	15207	15.38	ug/l	86
6) Chloroethane	2.05	64	15022	17.36	ug/l	100
7) Trichlorofluoromethane	2.29	101	61025	18.21	ug/l	94
8) Diethyl Ether	2.60	74	19782	20.24	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.85	101	42943	19.29	ug/l	98
10) Methyl Iodide	3.01	142	27673	17.89	ug/l	96
11) Tert butyl alcohol	3.64	59	13454	106.40	ug/l #	93
12) 1,1-Dichloroethene	2.83	96	35107	18.37	ug/l	97
13) Acrolein	2.74	56	21986	111.84	ug/l	99
14) Allyl chloride	3.29	41	69768	17.90	ug/l	94
15) Acrylonitrile	3.79	53	45026	111.74	ug/l	97
16) Acetone	2.90	43	51310	93.95	ug/l	92
17) Carbon Disulfide	3.09	76	115554	17.17	ug/l	97
18) Methyl Acetate	3.29	43	30963	23.00	ug/l	92
19) Methyl tert-butyl Ether	3.85	73	89270	21.67	ug/l	99
20) Methylene Chloride	3.46	84	45517	17.95	ug/l	96
21) trans-1,2-Dichloroethene	3.84	96	38883	18.39	ug/l	96
22) Diisopropyl ether	4.60	45	142263	19.33	ug/l	96
23) Vinyl Acetate	4.55	43	404909	111.48	ug/l	99
24) 1,1-Dichloroethane	4.51	63	81037	18.92	ug/l	99
25) 2-Butanone	5.40	43	70976	121.07	ug/l	93
26) 2,2-Dichloropropane	5.38	77	70714	17.73	ug/l	98
27) cis-1,2-Dichloroethene	5.38	96	47171	19.15	ug/l	98
28) Bromochloromethane	5.74	49	32587	18.27	ug/l	95
29) Chloroform	5.92	83	91787	19.51	ug/l	95
30) Cyclohexane	6.22	56	65750	18.40	ug/l	97
31) 1,1,1-Trichloroethane	6.14	97	69311	18.94	ug/l	97
35) 1,1-Dichloropropene	6.38	75	71028	19.69	ug/l	97
36) Ethyl Acetate	5.49	43	34048	21.37	ug/l	99
37) Carbon Tetrachloride	6.36	117	60617	18.86	ug/l	100
38) Methylcyclohexane	8.04	83	71013	18.29	ug/l	95

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 Data File : VD048322.D
 Acq On : 6 Jan 2016 15:20
 Operator : FY/SY
 Sample : VD0106SBS02
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 07 04:27:29 2016
 Quant Method : W:\HPCHEM1\MSVOA_D\METHOD\82D010416S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 04 14:08:32 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Benzene	6.68	78	185329	19.27	ug/l	99
40) Methacrylonitrile	5.71	41	20754	22.21	ug/l	92
41) 1,2-Dichloroethane	6.79	62	62437	20.67	ug/l	97
42) Isopropyl Acetate	8.36	43	51923	22.92	ug/l #	99
43) Trichloroethene	7.70	130	51856	19.13	ug/l	96
44) 1,2-Dichloropropane	8.10	63	52058	19.51	ug/l	93
45) Dibromomethane	8.23	93	29251	20.12	ug/l	97
46) Bromodichloromethane	8.52	83	65957	19.00	ug/l	98
47) Methyl methacrylate	8.04	41	36701	17.01	ug/l	94
48) 1,4-Dioxane	8.24	88	6279	479.95	ug/l	96
50) 4-Methyl-2-Pentanone	9.44	43	181744	120.69	ug/l	99
51) Toluene	9.67	92	112817	19.26	ug/l	96
52) t-1,3-Dichloropropene	10.09	75	66314	20.17	ug/l	97
53) cis-1,3-Dichloropropene	9.19	75	80180	19.44	ug/l	95
54) 1,1,2-Trichloroethane	10.36	97	37889	20.66	ug/l	95
55) Ethyl methacrylate	10.21	69	50196	22.74	ug/l	99
56) 1,3-Dichloropropane	10.57	76	75653	20.70	ug/l	98
57) 2-Chloroethyl Vinyl ether	8.99	63	131078	100.35	ug/l	100
58) 2-Hexanone	10.67	43	132689	126.52	ug/l	100
59) Dibromochloromethane	10.85	129	48472	19.95	ug/l	95
60) 1,2-Dibromoethane	10.99	107	41292	21.01	ug/l	100
63) Tetrachloroethene	10.43	164	41160	18.06	ug/l	94
64) Chlorobenzene	11.58	112	142130	19.38	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.69	131	48086	18.38	ug/l	92
66) Ethyl Benzene	11.70	91	247147	19.05	ug/l	100
67) m/p-Xylenes	11.85	106	177909	38.71	ug/l	93
68) o-Xylene	12.27	106	86157	19.49	ug/l	94
69) Stvrene	12.29	104	138970	19.65	ug/l	98
70) Bromoform	12.48	173	25765	20.10	ug/l	95
72) Isopropylbenzene	12.64	105	234581	18.54	ug/l	99
73) N-amyl acetate	12.48	43	80405	22.54	ug/l	98
74) 1,1,2,2-Tetrachloroethane	12.97	83	52480	22.34	ug/l	97
75) 1,2,3-Trichloropropane	13.01	75	57334	21.81	ug/l	100
76) Bromobenzene	12.95	156	56202	19.02	ug/l	89
77) n-propylbenzene	13.06	91	303602	18.62	ug/l	100
78) 2-Chlorotoluene	13.13	91	166659	18.28	ug/l	95
79) 1,3,5-Trimethylbenzene	13.23	105	184423	18.73	ug/l	98
80) trans-1,4-Dichloro-2-buten	12.72	75	14408	20.56	ug/l	99
81) 4-Chlorotoluene	13.25	91	196842	18.69	ug/l	95
82) tert-Butylbenzene	13.52	119	211500	22.17	ug/l	95
83) 1,2,4-Trimethylbenzene	13.57	105	188588	18.60	ug/l	98
84) sec-Butylbenzene	13.72	105	246170	18.19	ug/l	97
85) p-Isopropyltoluene	13.85	119	209895	18.64	ug/l	99
86) 1,3-Dichlorobenzene	13.82	146	106541	18.82	ug/l	97
87) 1,4-Dichlorobenzene	13.91	146	106620	18.87	ug/l	97
88) n-Butylbenzene	14.20	91	203992	18.12	ug/l	97
89) Hexachloroethane	14.45	117	37894	16.51	ug/l	79
90) 1,2-Dichlorobenzene	14.22	146	95208	19.13	ug/l	97
91) 1,2-Dibromo-3-Chloropropan	14.87	75	6491	21.23	ug/l	93
92) 1,2,4-Trichlorobenzene	15.55	180	58465	19.56	ug/l	97

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Misc : 5.00µl/5ml/MSVOA D/SOIL
ALS Vial : 40 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Jan 07 04:27:29 2016
Quant Method : W:\HPCHEM1\MSVOA_D\METHOD\82D010416S.M
Quant Title : SW846 8260
QLast Update : Mon Jan 04 14:08:32 2016
Response via : Initial Calibration

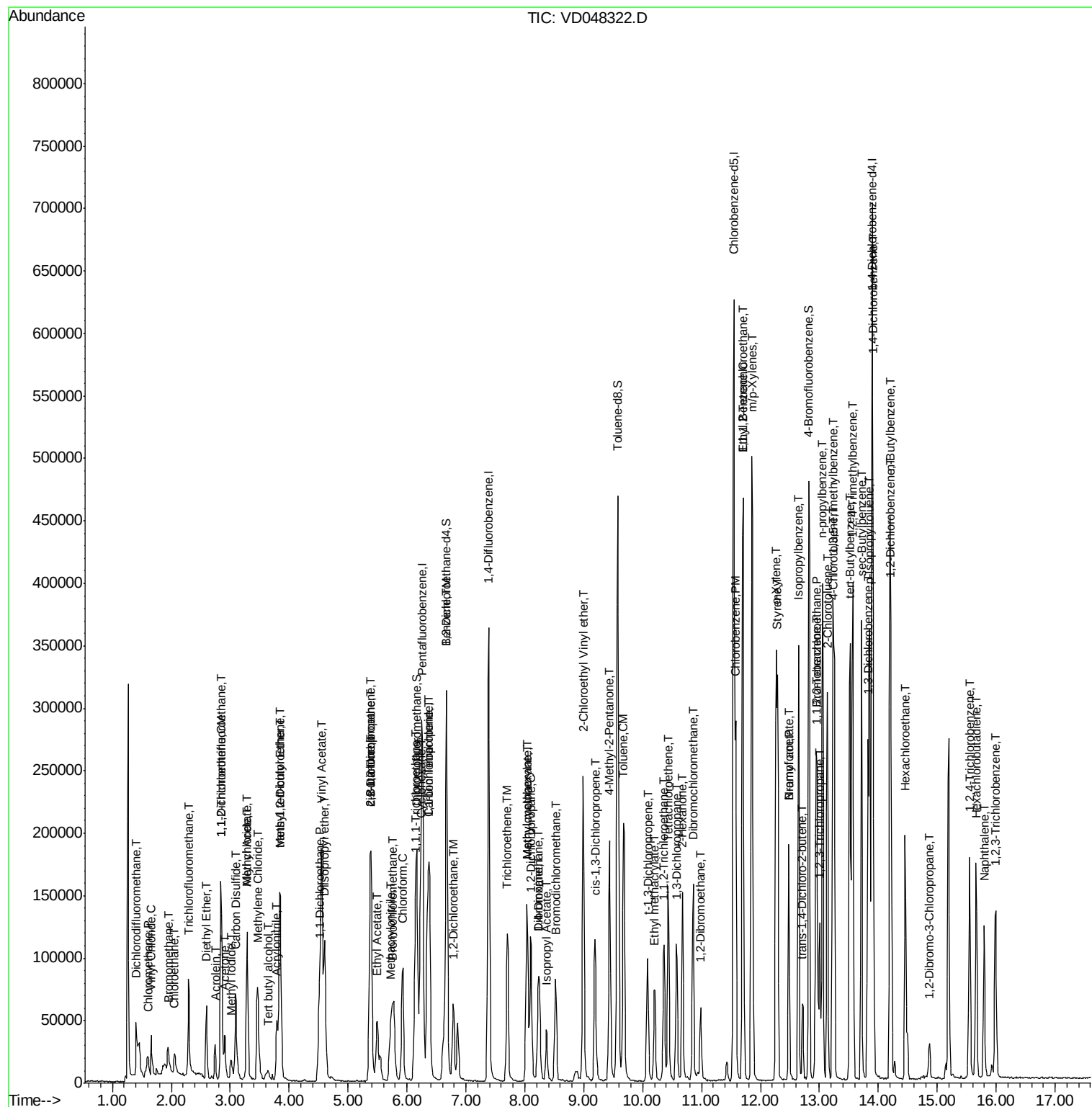
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Hexachlorobutadiene	15.66	225	36373	18.37	µg/l	97
94) Naphthalene	15.80	128	114729	22.27	µg/l	97
95) 1,2,3-Trichlorobenzene	15.99	180	49479	20.19	µg/l	96

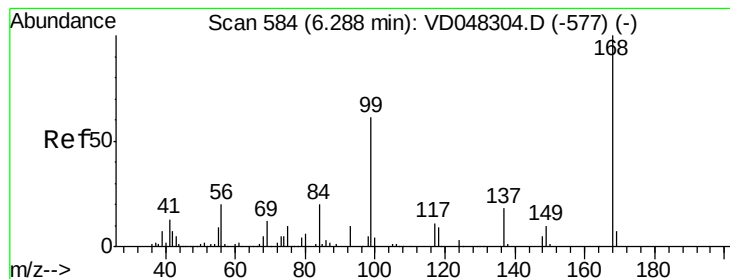
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VD048322.D
Acq On : 6 Jan 2016 15:20
Operator : FY/SY
Sample : VD0106SBS02
Misc : 5.00µl/5ml/MSVOA D/SOIL
ALS Vial : 40 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampled :

Quant Time: Jan 07 04:27:29 2016
Quant Method : W:\HPCHEM1\MSVOA_D\METHOD\82D010416S.M
Quant Title : SW846 8260
QLast Update : Mon Jan 04 14:08:32 2016
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.26 min Scan# 582

Delta R.T. -0.02 min

Lab File: VD048322.D

Acq: 6 Jan 2016 15:20

Instrument :

BNA_F

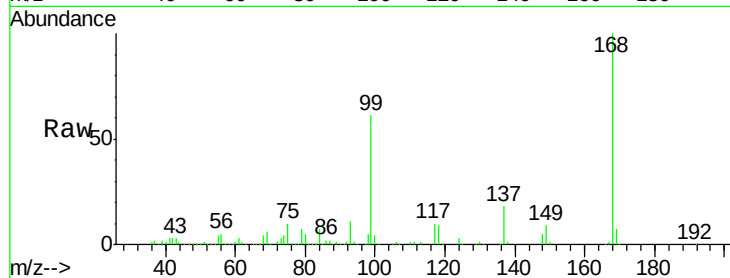
ClientSampleId :

Tot Ion:168 Resp: 206043

Ion Ratio Lower Upper

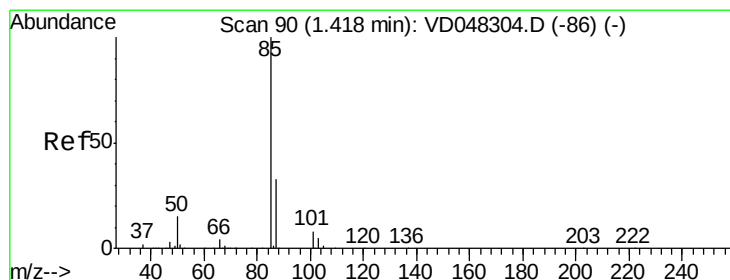
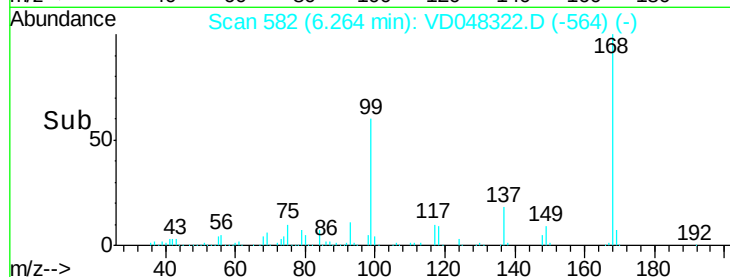
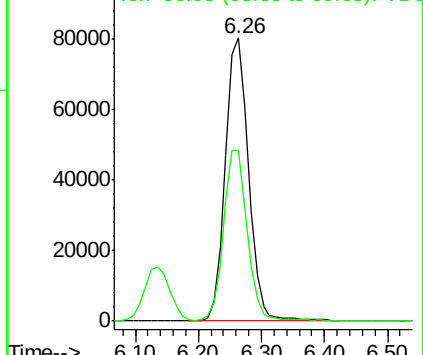
168 100

99 60.5 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 18.49 ug/l

RT: 1.40 min Scan# 89

Delta R.T. -0.01 min

Lab File: VD048322.D

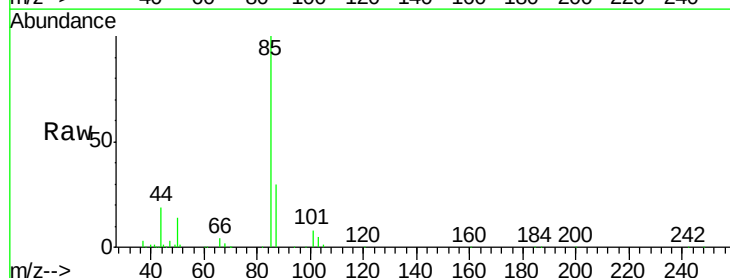
Acq: 6 Jan 2016 15:20

Tgt Ion: 85 Resp: 49294

Ion Ratio Lower Upper

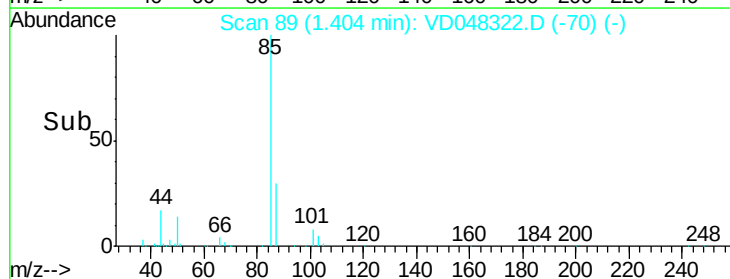
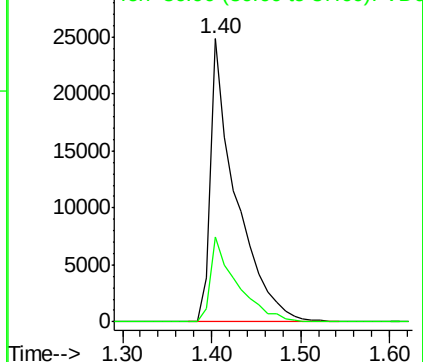
85 100

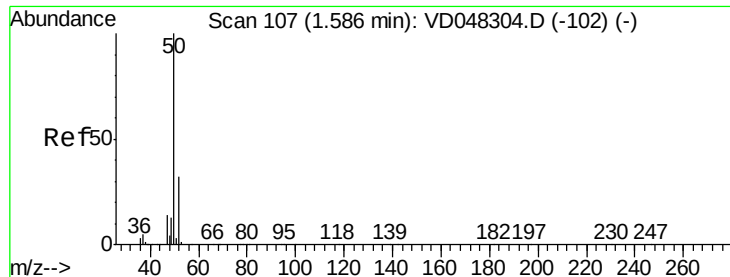
87 29.9 16.1 48.2



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 15.58 ug/l

RT: 1.60 min Scan# 109

Delta R.T. 0.02 min

Lab File: VD048322.D

Acq: 6 Jan 2016 15:20

Instrument :

BNA_F

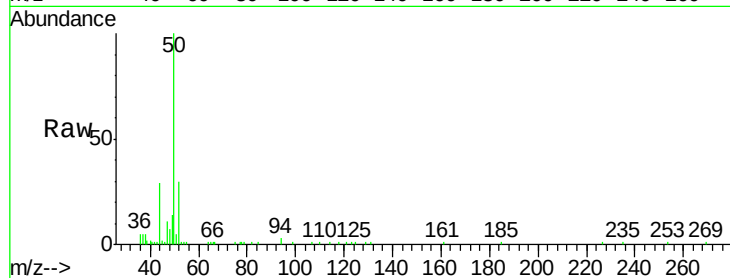
ClientSampled :

Tot Ion: 50 Resp: 25454

Ion Ratio Lower Upper

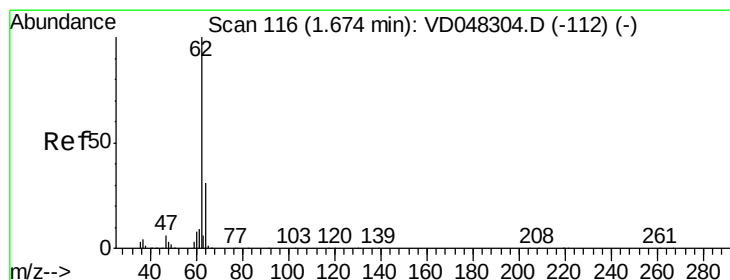
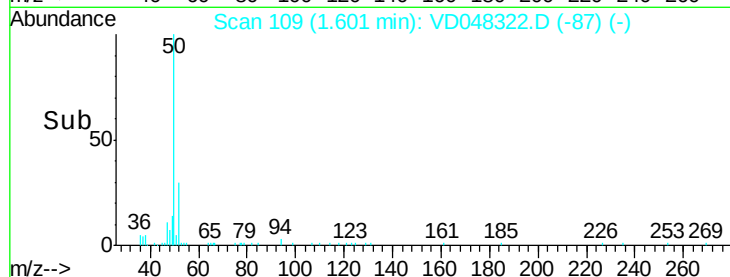
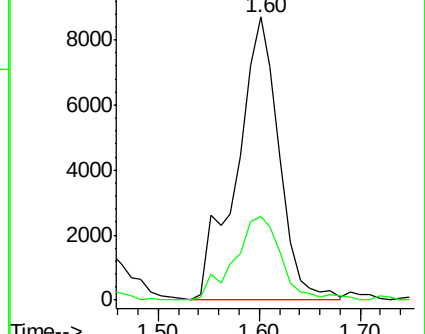
50 100

52 29.7 24.4 36.6



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 16.85 ug/l

RT: 1.66 min Scan# 115

Delta R.T. -0.01 min

Lab File: VD048322.D

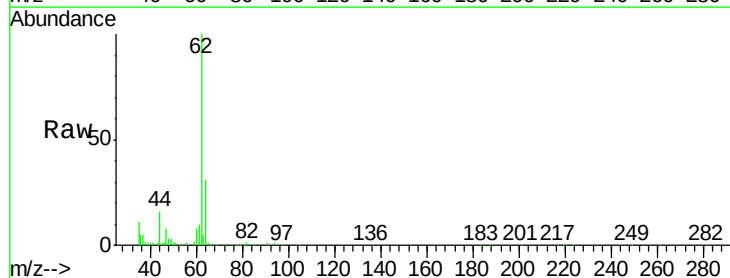
Acq: 6 Jan 2016 15:20

Tgt Ion: 62 Resp: 25382

Ion Ratio Lower Upper

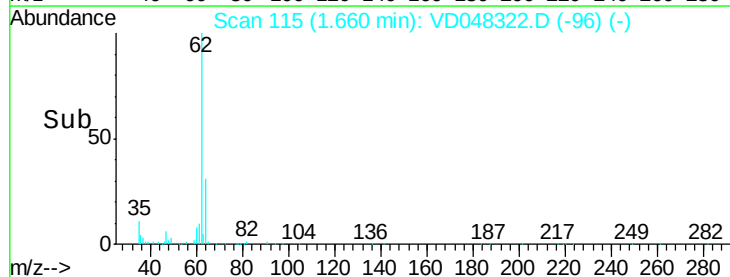
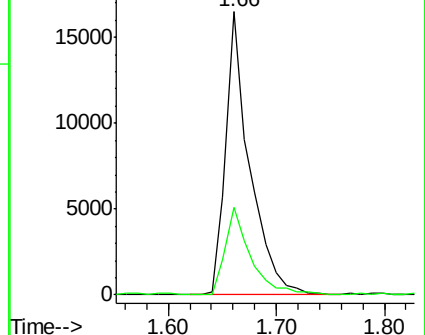
62 100

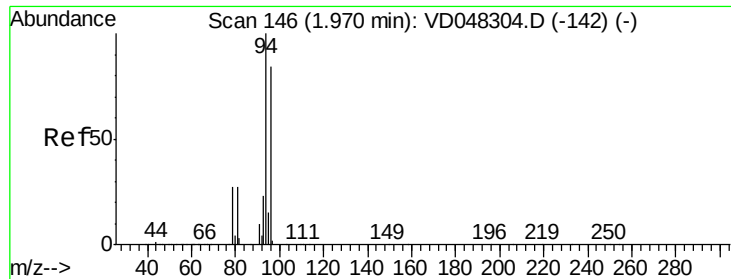
64 30.9 27.5 41.3



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 15.38 ug/l

RT: 1.95 min Scan# 144

Delta R.T. -0.02 min

Lab File: VD048322.D

Acq: 6 Jan 2016 15:20

Instrument :

BNA_F

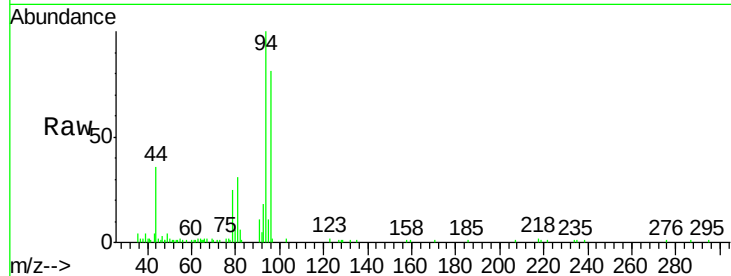
ClientSampleId :

Tot Ion: 94 Resp: 15207

Ion Ratio Lower Upper

94 100

96 81.3 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

8000

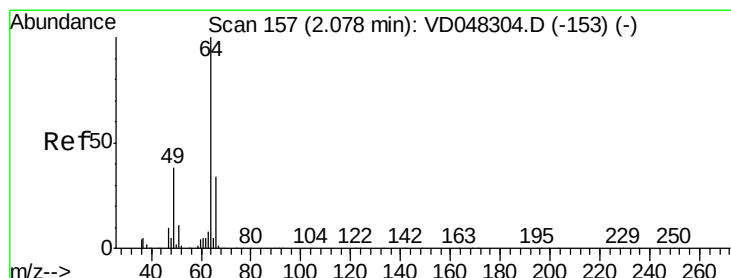
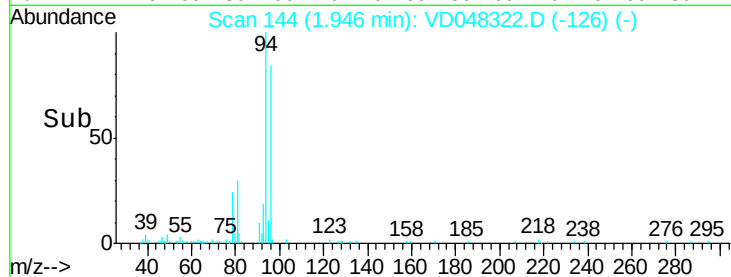
6000

4000

2000

0

Time-->



#6

Chloroethane

Concen: 17.36 ug/l

RT: 2.05 min Scan# 155

Delta R.T. -0.02 min

Lab File: VD048322.D

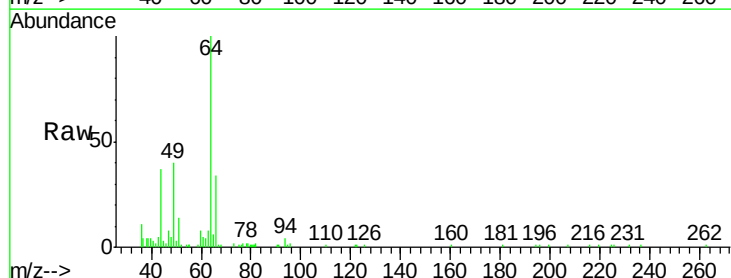
Acq: 6 Jan 2016 15:20

Tgt Ion: 64 Resp: 15022

Ion Ratio Lower Upper

64 100

66 33.7 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

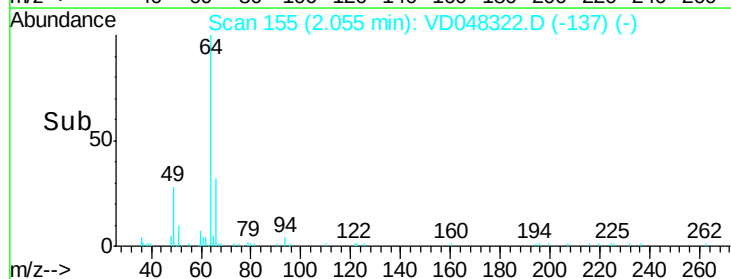
6000

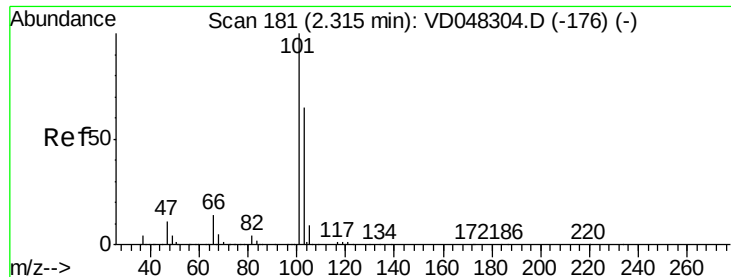
4000

2000

0

Time-->





#7

Trichlorofluoromethane

Concen: 18.21 ug/l

RT: 2.29 min Scan# 179

Delta R.T. -0.02 min

Lab File: VD048322.D

Acq: 6 Jan 2016 15:20

Instrument :

BNA_F

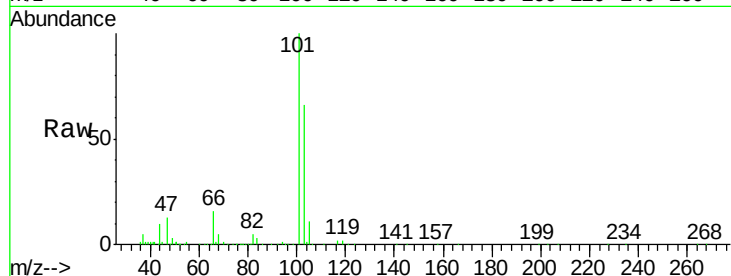
ClientSampleId :

Tot Ion:101 Resp: 61025

Ion Ratio Lower Upper

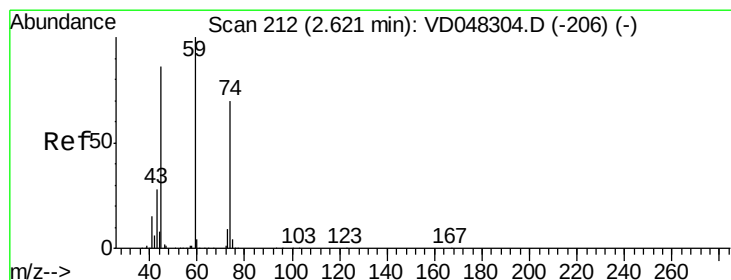
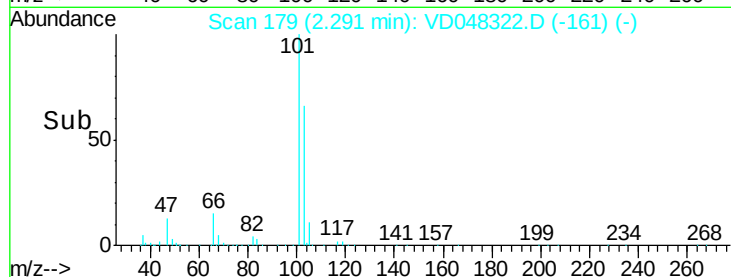
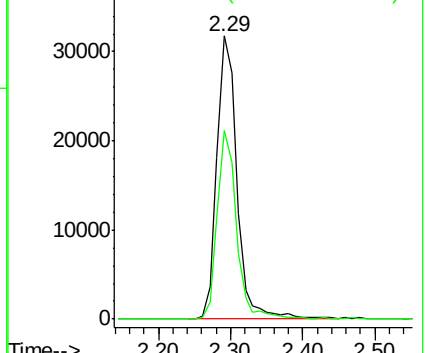
101 100

103 66.5 49.4 74.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V



#8

Diethyl Ether

Concen: 20.24 ug/l

RT: 2.60 min Scan# 210

Delta R.T. -0.02 min

Lab File: VD048322.D

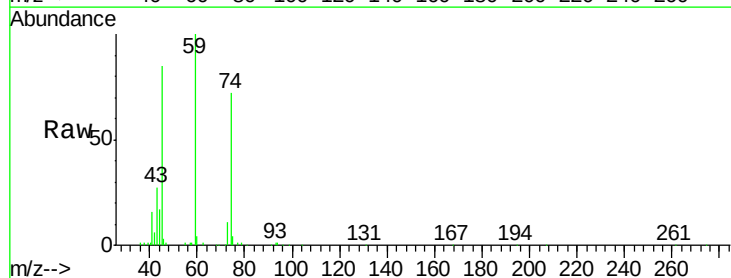
Acq: 6 Jan 2016 15:20

Tgt Ion: 74 Resp: 19782

Ion Ratio Lower Upper

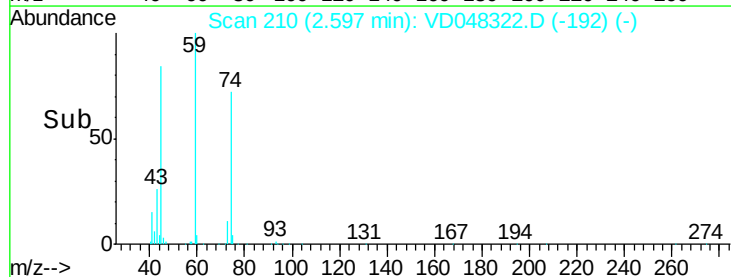
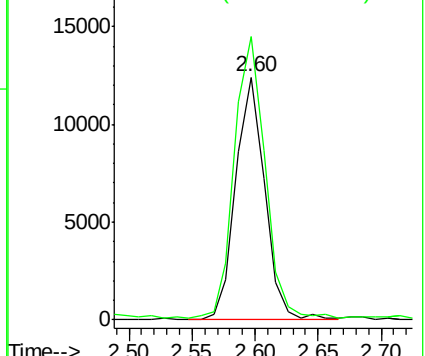
74 100

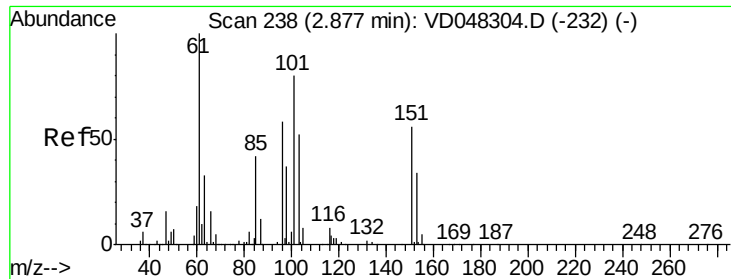
45 116.8 56.9 170.6



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.29 ug/l

RT: 2.85 min Scan# 236

Delta R.T. -0.02 min

Lab File: VD048322.D

Acq: 6 Jan 2016 15:20

Instrument :

BNA_F

ClientSampled :

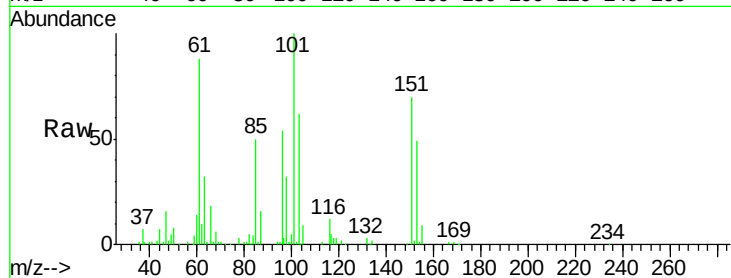
Tot Ion:101 Resp: 42943

Ion Ratio Lower Upper

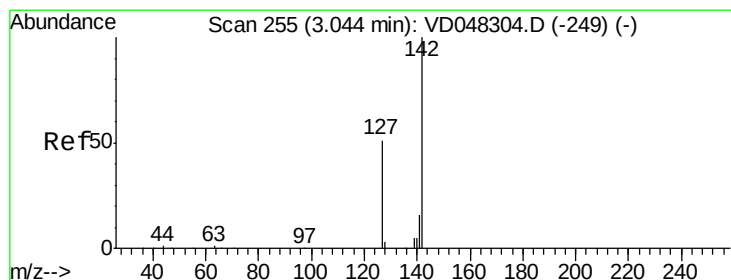
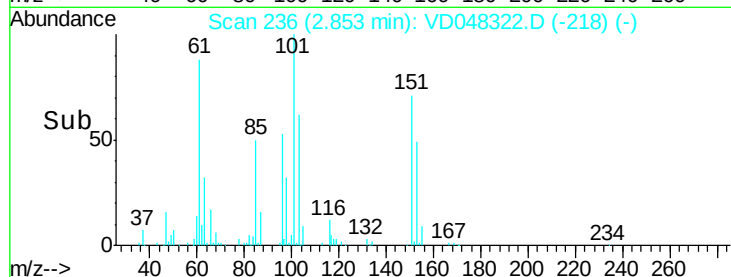
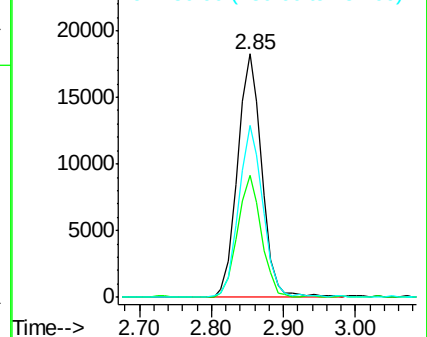
101 100

85 49.9 41.0 61.4

151 70.5 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: 17.89 ug/l

RT: 3.01 min Scan# 252

Delta R.T. -0.03 min

Lab File: VD048322.D

Acq: 6 Jan 2016 15:20

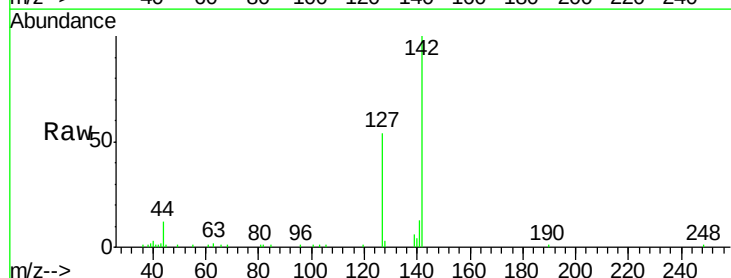
Tgt Ion:142 Resp: 27673

Ion Ratio Lower Upper

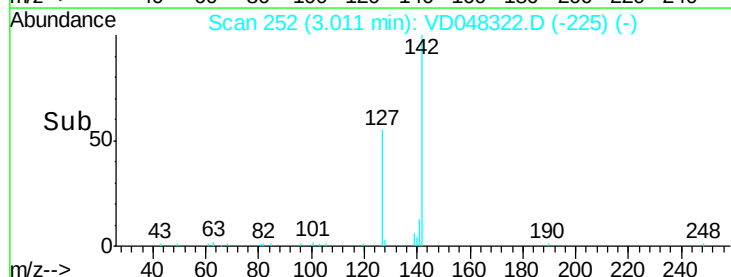
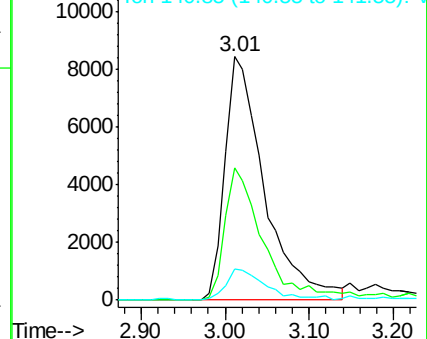
142 100

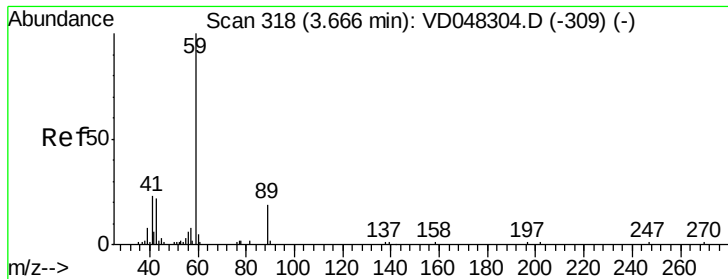
127 54.1 40.6 61.0

141 12.8 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



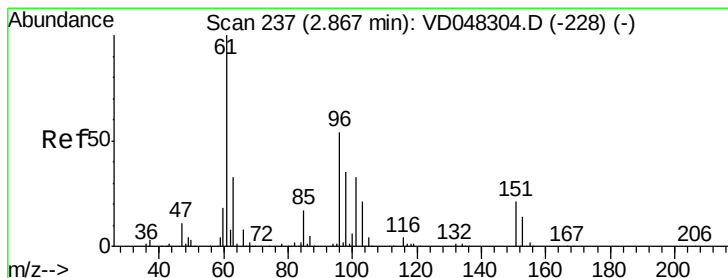
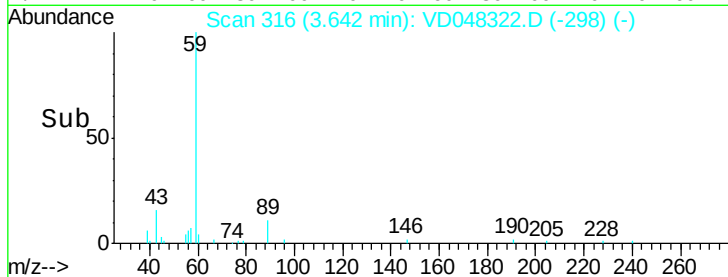
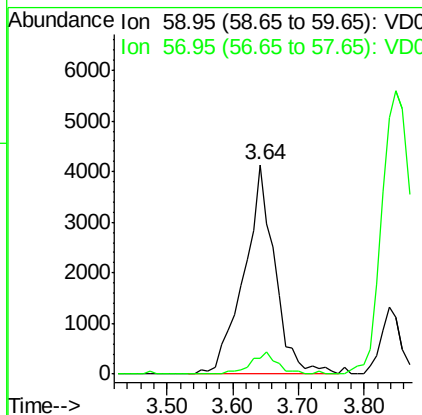
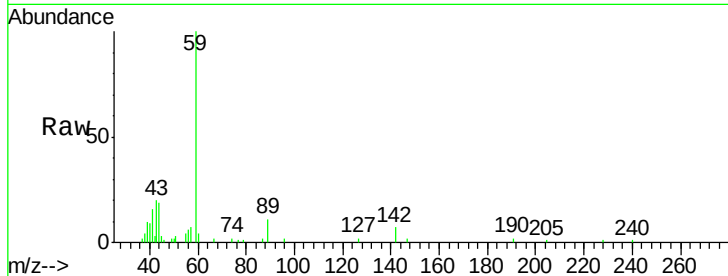


#11

Tert butyl alcohol
Concen: 106.40 ug/l
RT: 3.64 min Scan# 316
Delta R.T. -0.02 min
Lab File: VD048322.D
Acq: 6 Jan 2016 15:20

Instrument :
BNA_F
ClientSampleId :

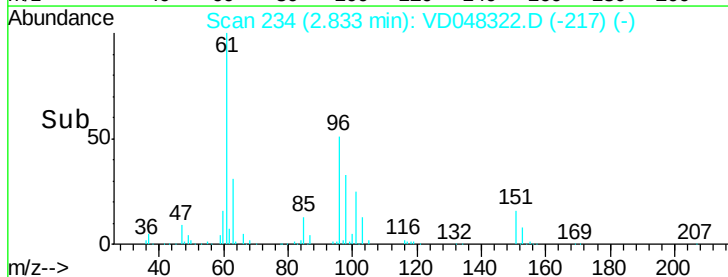
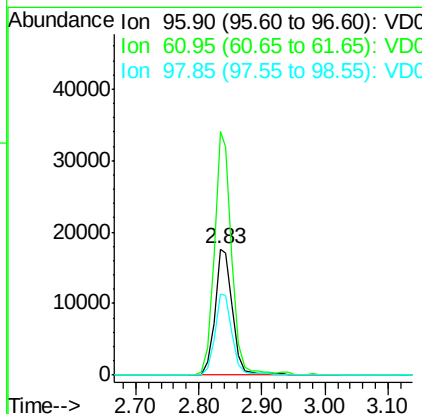
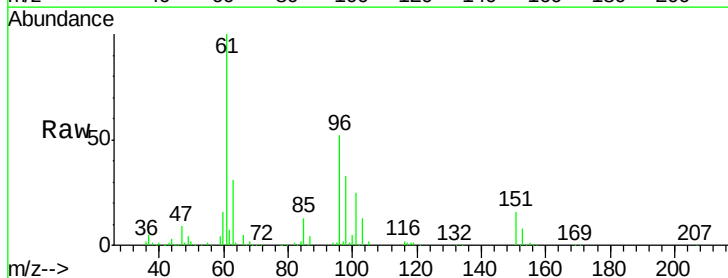
Tot Ion: 59 Resp: 13454
Ion Ratio Lower Upper
59 100
57 7.4 7.9 11.9#

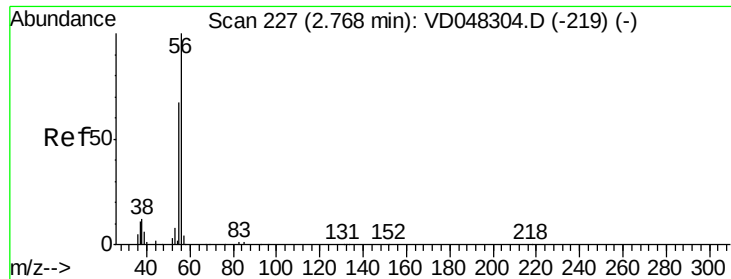


#12

1,1-Dichloroethene
Concen: 18.37 ug/l
RT: 2.83 min Scan# 234
Delta R.T. -0.03 min
Lab File: VD048322.D
Acq: 6 Jan 2016 15:20

Tgt Ion: 96 Resp: 35107
Ion Ratio Lower Upper
96 100
61 193.4 150.1 225.1
98 64.6 50.6 76.0

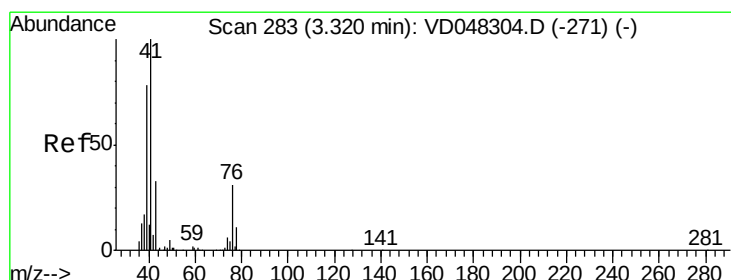
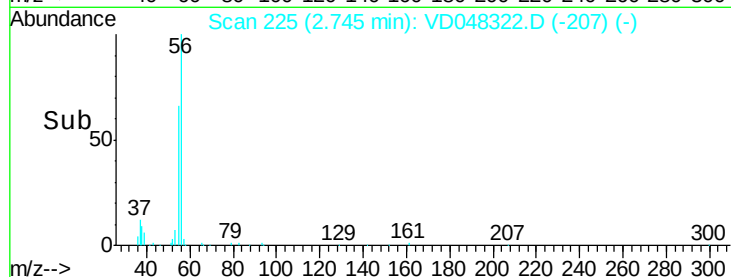
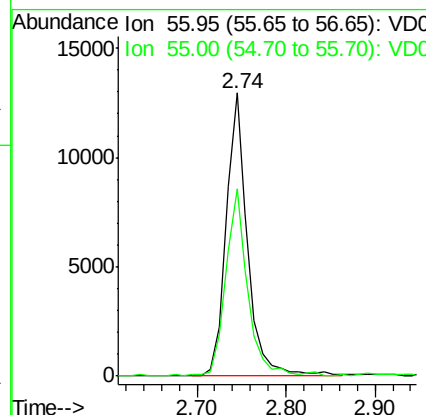
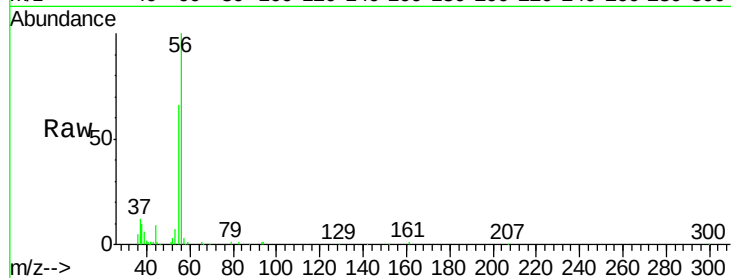




#13
 Acrolein
 Concen: 111.84 ug/l
 RT: 2.74 min Scan# 225
 Delta R.T. -0.02 min
 Lab File: VD048322.D
 Acq: 6 Jan 2016 15:20

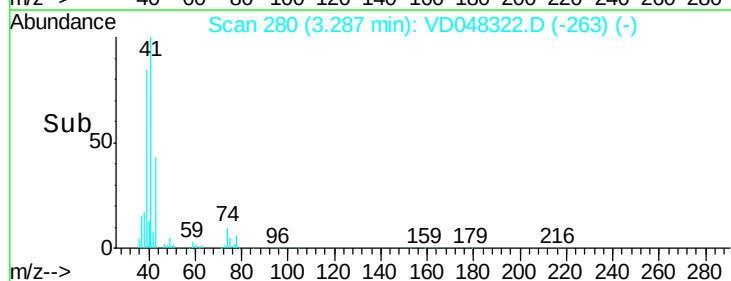
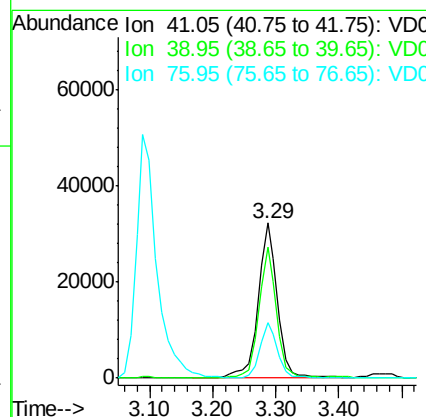
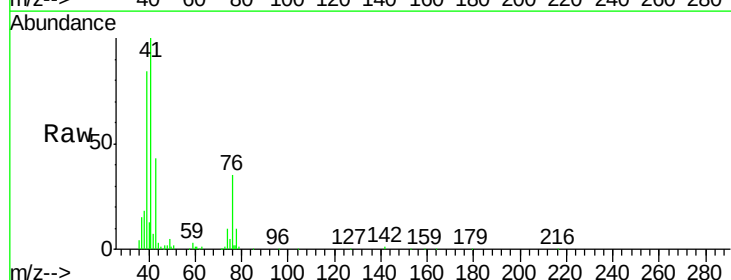
Instrument :
 BNA_F
 ClientSampleId :

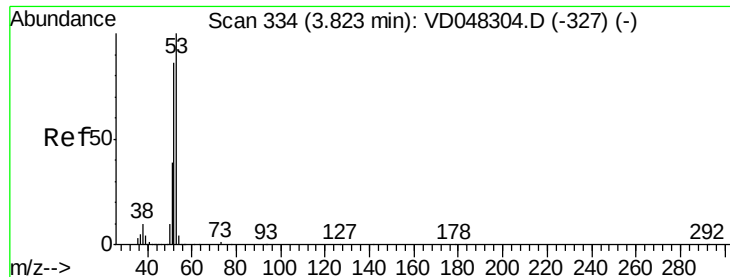
Tot Ion: 56 Resp: 21986
 Ion Ratio Lower Upper
 56 100
 55 66.2 52.2 78.4



#14
 Allyl chloride
 Concen: 17.90 ug/l
 RT: 3.29 min Scan# 280
 Delta R.T. -0.03 min
 Lab File: VD048322.D
 Acq: 6 Jan 2016 15:20

Tgt Ion: 41 Resp: 69768
 Ion Ratio Lower Upper
 41 100
 39 84.4 62.5 93.7
 76 35.4 27.3 40.9





#15

Acrylonitrile

Concen: 111.74 ug/l

RT: 3.79 min Scan# 331

Delta R.T. -0.03 min

Lab File: VD048322.D

Acq: 6 Jan 2016 15:20

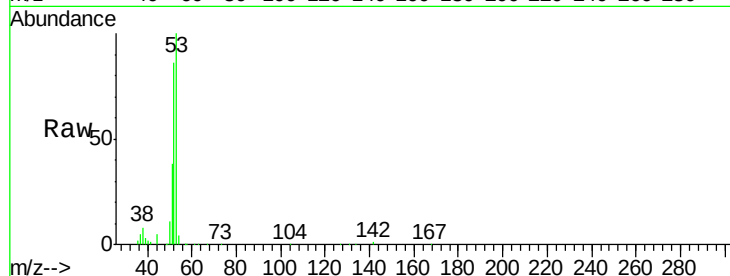
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 53 Resp: 45026

Ion	Ratio	Lower	Upper
53	100		
52	85.9	65.7	98.5
51	37.8	29.9	44.9

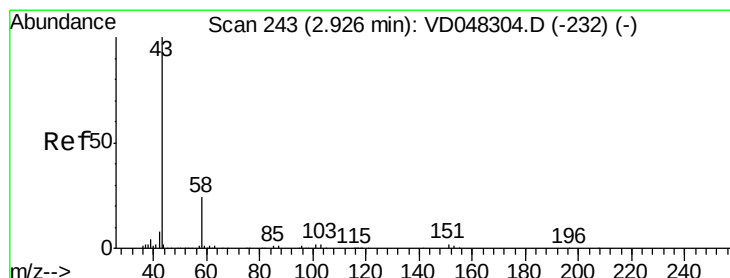
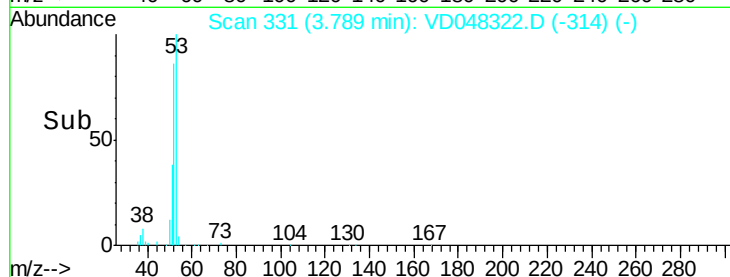
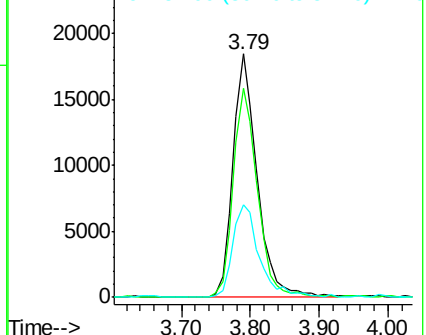


Abundance

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: 93.95 ug/l

RT: 2.90 min Scan# 241

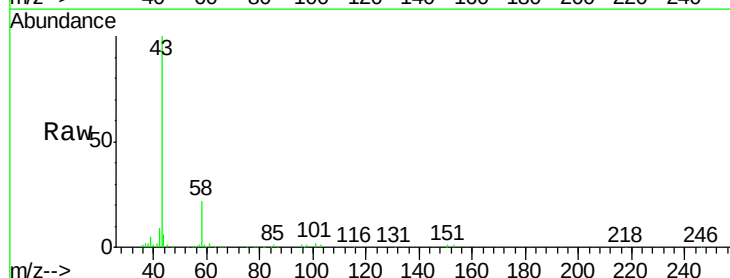
Delta R.T. -0.02 min

Lab File: VD048322.D

Acq: 6 Jan 2016 15:20

Tgt Ion: 43 Resp: 51310

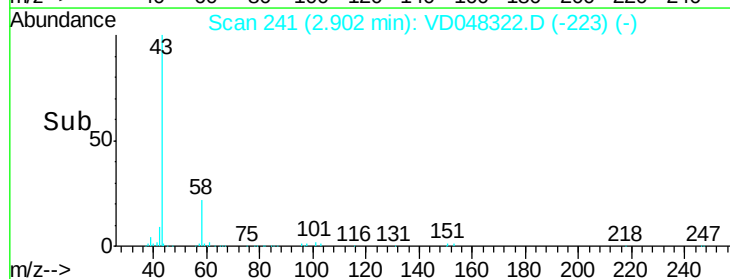
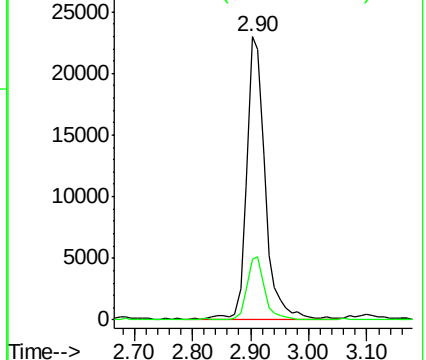
Ion	Ratio	Lower	Upper
43	100		
58	21.6	20.6	30.8

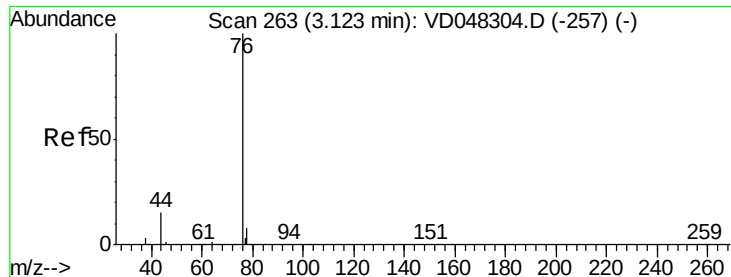


Abundance

Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 17.17 ug/l

RT: 3.09 min Scan# 260

Delta R.T. -0.03 min

Lab File: VD048322.D

Acq: 6 Jan 2016 15:20

Instrument :

BNA_F

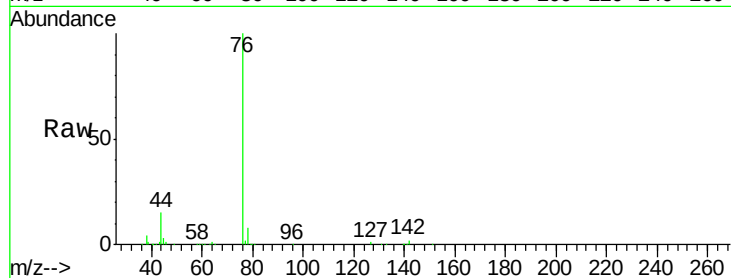
ClientSampled :

Tot Ion: 76 Resp: 115554

Ion Ratio Lower Upper

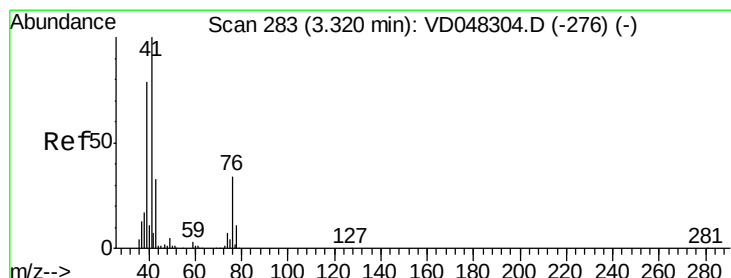
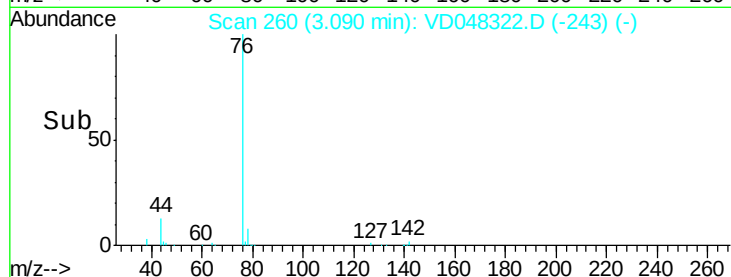
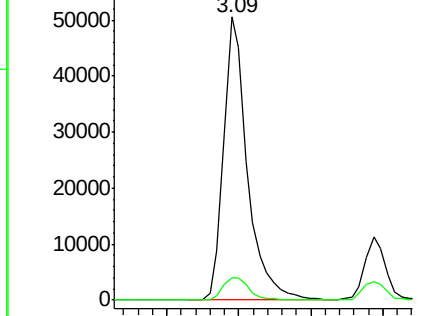
76 100

78 7.8 7.1 10.7



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 23.00 ug/l

RT: 3.29 min Scan# 280

Delta R.T. -0.03 min

Lab File: VD048322.D

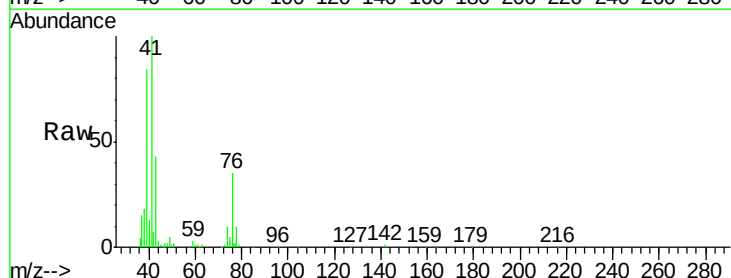
Acq: 6 Jan 2016 15:20

Tgt Ion: 43 Resp: 30963

Ion Ratio Lower Upper

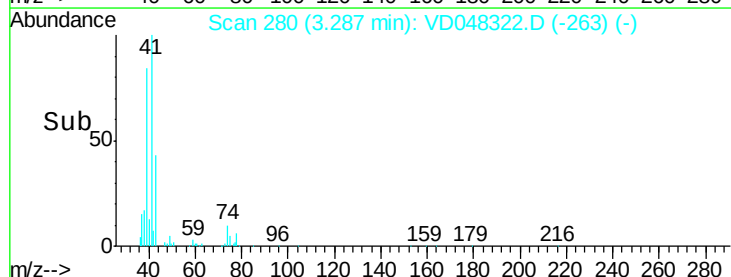
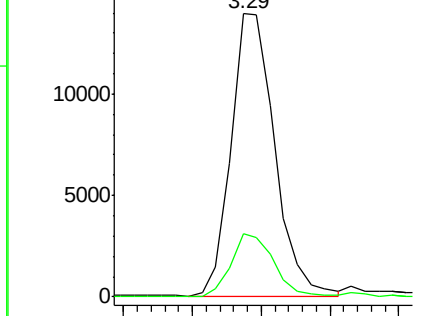
43 100

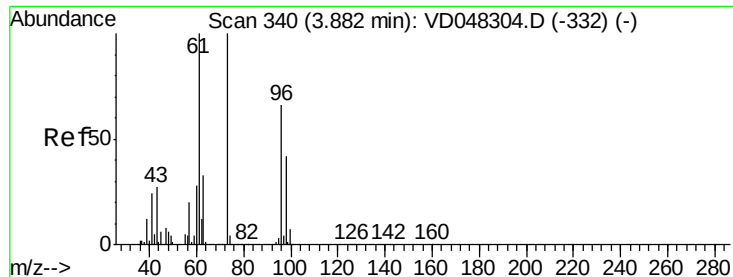
74 22.4 15.2 22.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



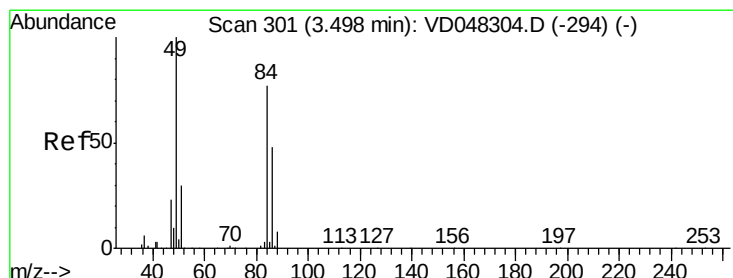
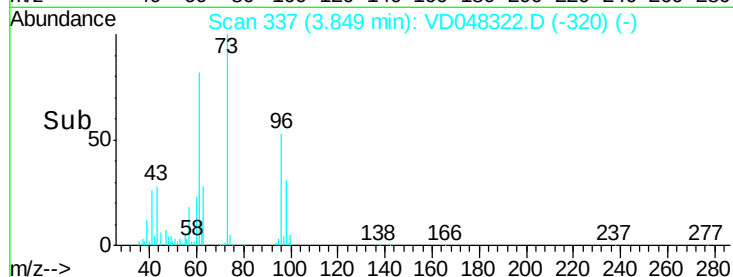
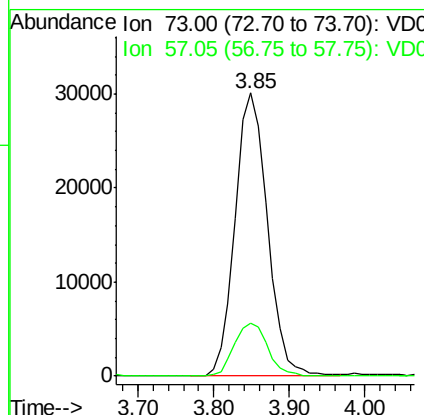
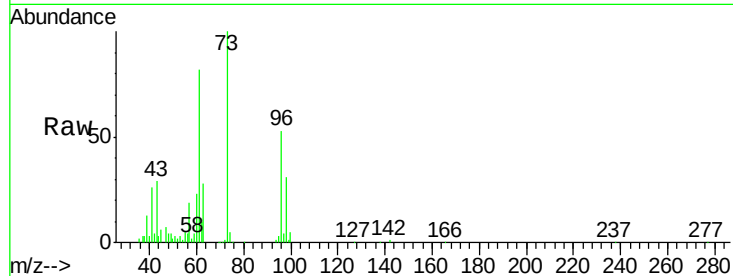


#19

Methyl tert-butyl Ether
 Concen: 21.67 ug/l
 RT: 3.85 min Scan# 337
 Delta R.T. -0.03 min
 Lab File: VD048322.D
 Acq: 6 Jan 2016 15:20

Instrument :
 BNA_F
 ClientSampleId :

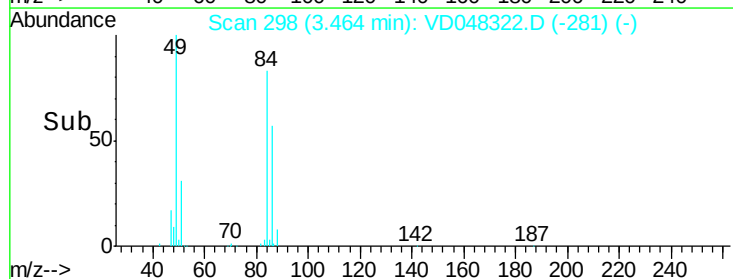
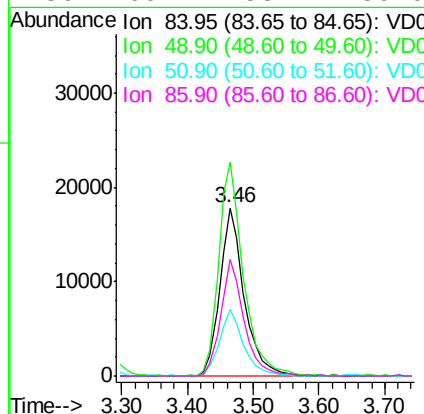
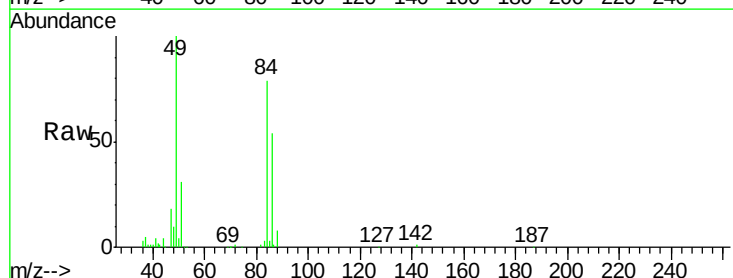
Tot Ion: 73 Resp: 89270
 Ion Ratio Lower Upper
 73 100
 57 18.6 15.1 22.7

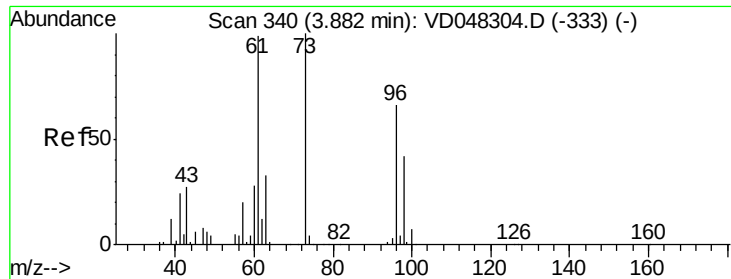


#20

Methylene Chloride
 Concen: 17.95 ug/l
 RT: 3.46 min Scan# 298
 Delta R.T. -0.03 min
 Lab File: VD048322.D
 Acq: 6 Jan 2016 15:20

Tgt Ion: 84 Resp: 45517
 Ion Ratio Lower Upper
 84 100
 49 127.3 106.5 159.7
 51 39.5 33.2 49.8
 86 69.2 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 18.39 ug/l

RT: 3.84 min Scan# 336

Delta R.T. -0.04 min

Lab File: VD048322.D

Acq: 6 Jan 2016 15:20

Instrument :

BNA_F

ClientSampleId :

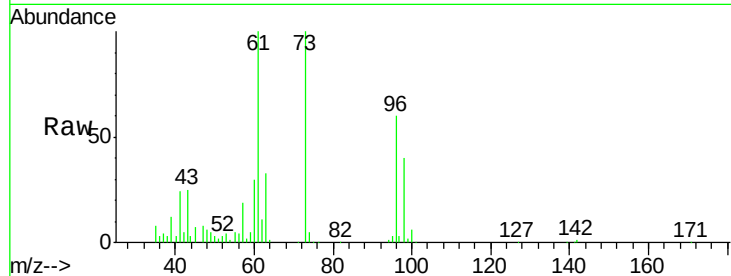
Tot Ion: 96 Resp: 38883

Ion Ratio Lower Upper

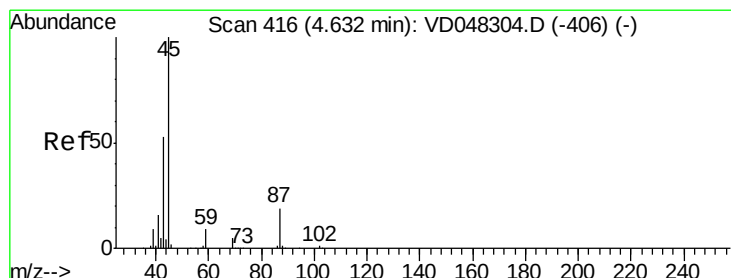
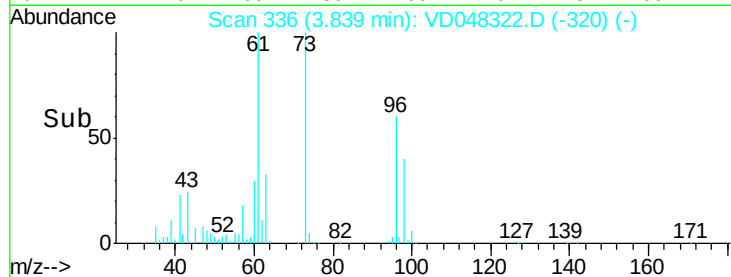
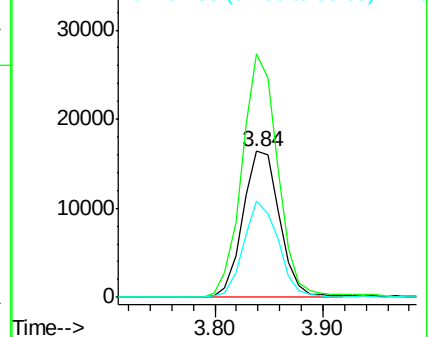
96 100

61 166.9 129.7 194.5

98 66.1 49.1 73.7



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



#22

Diisopropyl ether

Concen: 19.33 ug/l

RT: 4.60 min Scan# 413

Delta R.T. -0.03 min

Lab File: VD048322.D

Acq: 6 Jan 2016 15:20

Tgt Ion: 45 Resp: 142263

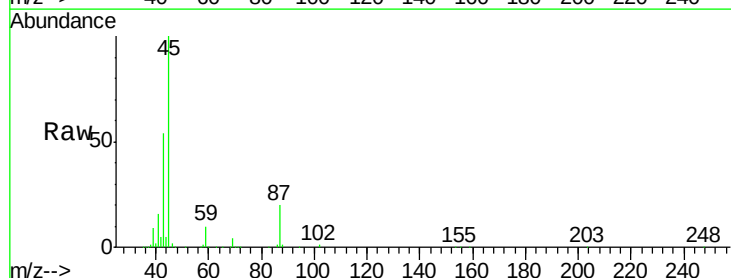
Ion Ratio Lower Upper

45 100

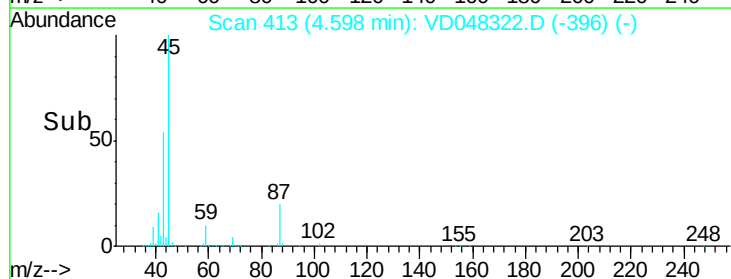
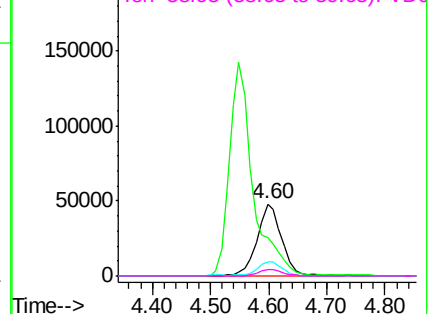
43 54.1 40.0 60.0

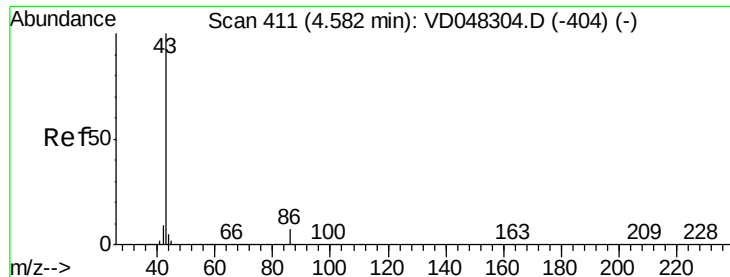
87 20.0 15.8 23.8

59 9.7 8.0 12.0



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





#23

Vinyl Acetate

Concen: 111.48 ug/l

RT: 4.55 min Scan# 408

Delta R.T. -0.03 min

Lab File: VD048322.D

Acq: 6 Jan 2016 15:20

Instrument :

BNA_F

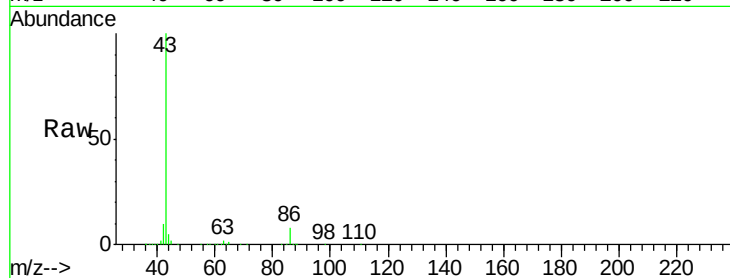
ClientSampleId :

Tot Ion: 43 Resp: 404909

Ion Ratio Lower Upper

43 100

86 8.3 6.3 9.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

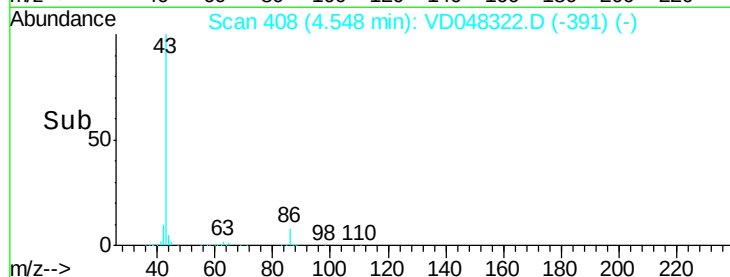
150000

100000

50000

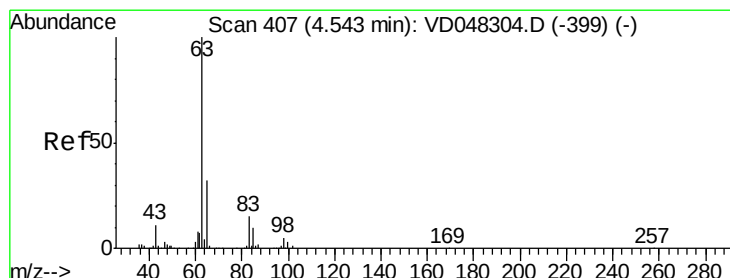
0

Time-->



4.55

4.40 4.50 4.60 4.70 4.80



#24

1,1-Dichloroethane

Concen: 18.92 ug/l

RT: 4.51 min Scan# 404

Delta R.T. -0.03 min

Lab File: VD048322.D

Acq: 6 Jan 2016 15:20

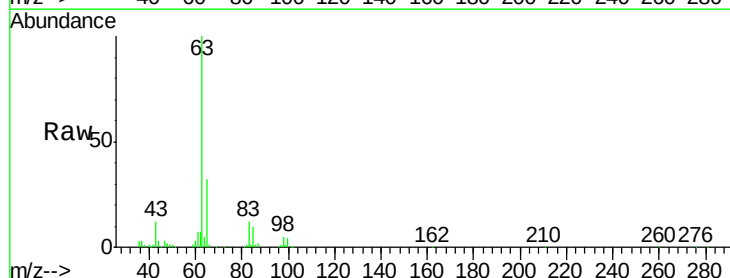
Tgt Ion: 63 Resp: 81037

Ion Ratio Lower Upper

63 100

98 5.1 2.5 7.5

100 3.5 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

40000

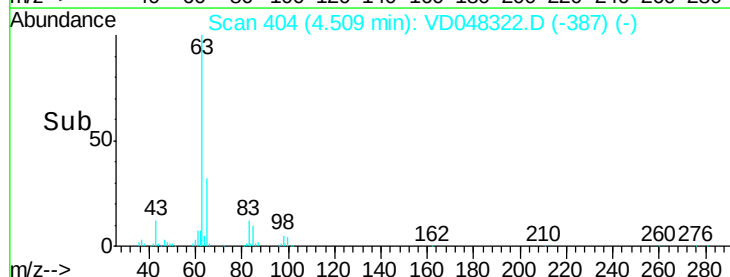
30000

20000

10000

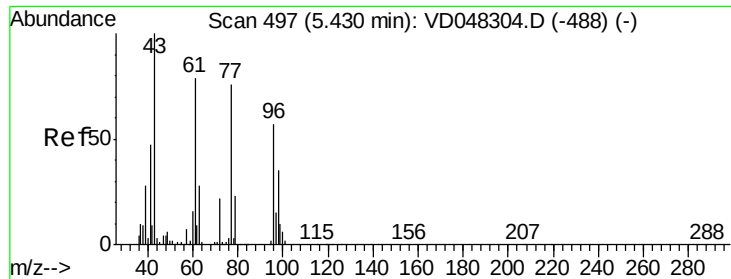
0

Time-->



4.51

4.40 4.50 4.60



#25

2-Butanone

Concen: 121.07 ug/l

RT: 5.40 min Scan# 494

Delta R.T. -0.03 min

Lab File: VD048322.D

Acq: 6 Jan 2016 15:20

Instrument :

BNA_F

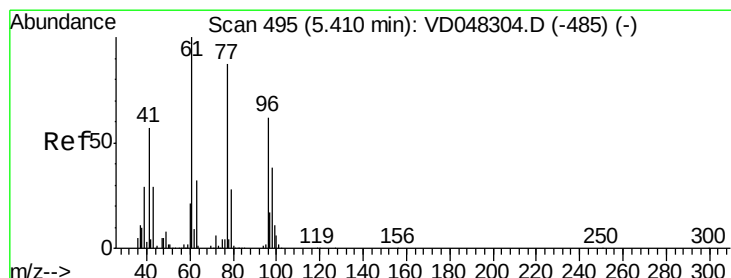
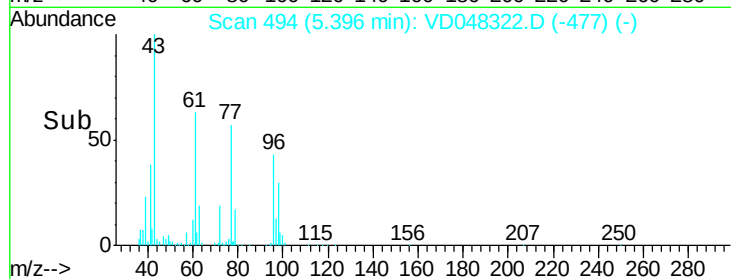
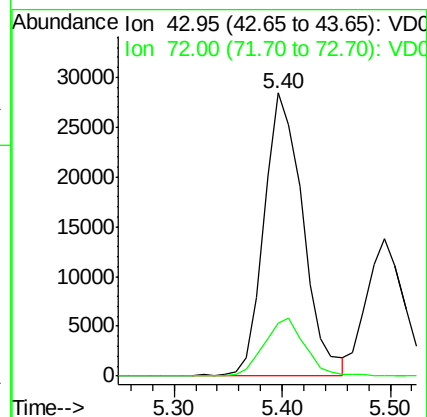
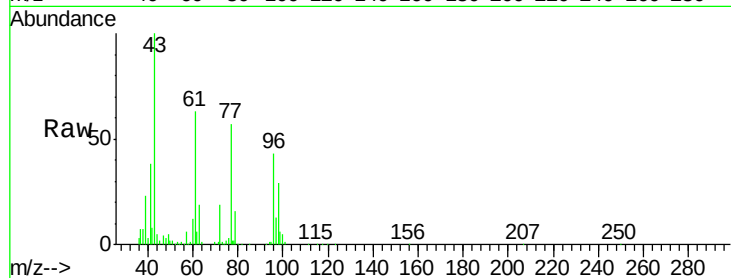
ClientSampleId :

Tot Ion: 43 Resp: 70976

Ion Ratio Lower Upper

43 100

72 18.8 17.8 26.6



#26

2,2-Dichloropropane

Concen: 17.73 ug/l

RT: 5.38 min Scan# 492

Delta R.T. -0.03 min

Lab File: VD048322.D

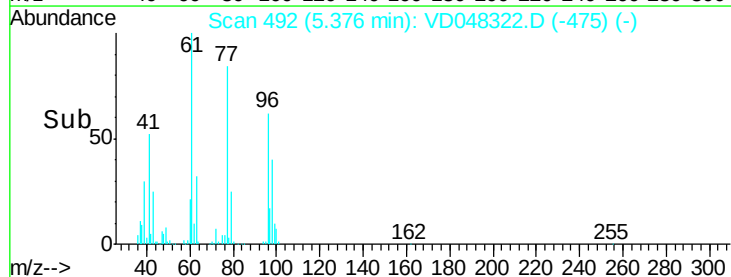
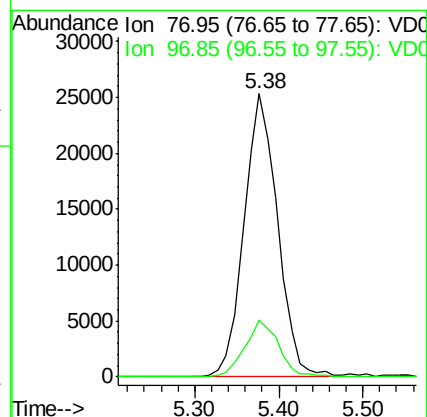
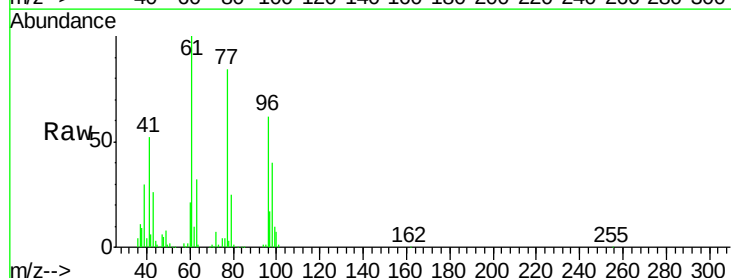
Acq: 6 Jan 2016 15:20

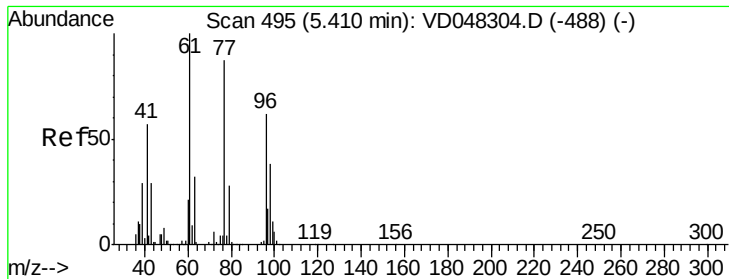
Tgt Ion: 77 Resp: 70714

Ion Ratio Lower Upper

77 100

97 20.0 10.5 31.6



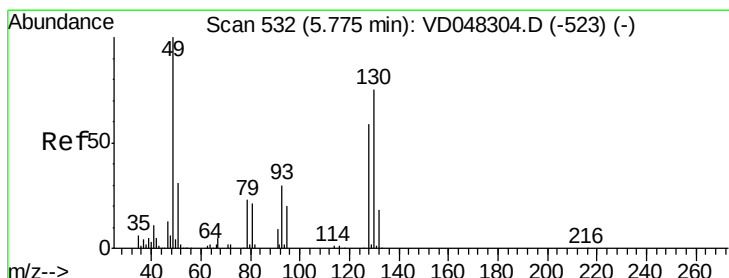
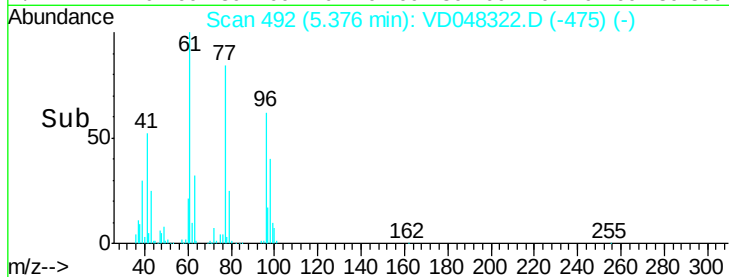
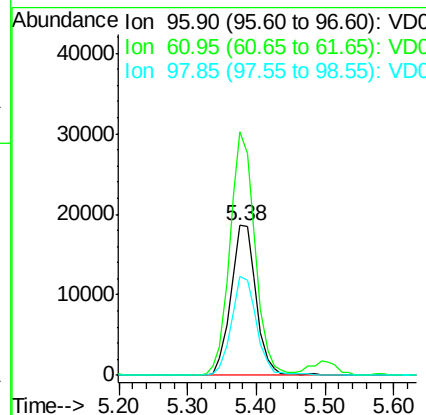
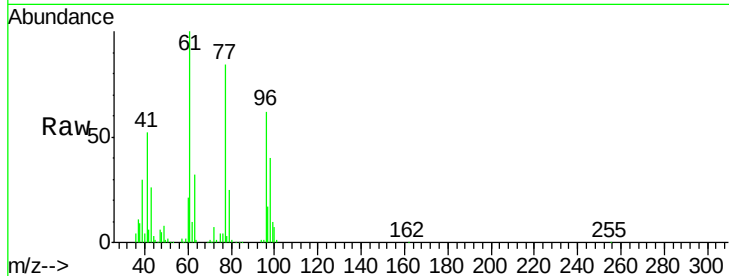


#27

cis-1,2-Dichloroethene
 Concen: 19.15 ug/l
 RT: 5.38 min Scan# 492
 Delta R.T. -0.03 min
 Lab File: VD048322.D
 Acq: 6 Jan 2016 15:20

Instrument :
 BNA_F
 ClientSampled :

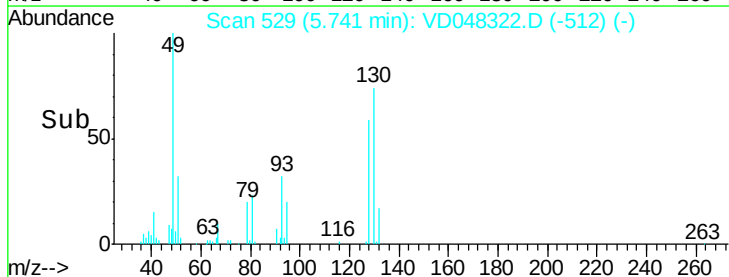
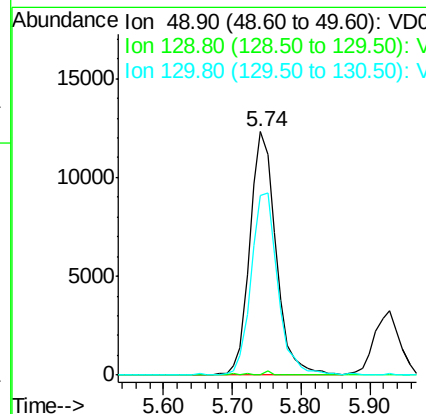
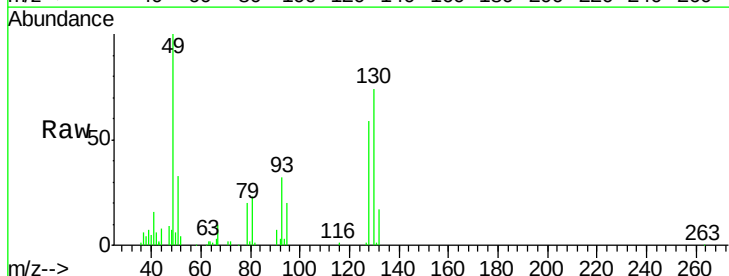
Tot Ion	96	Resp	47171
Ion	Ratio	Lower	Upper
96	100		
61	162.6	0.0	332.6
98	65.8	0.0	130.8

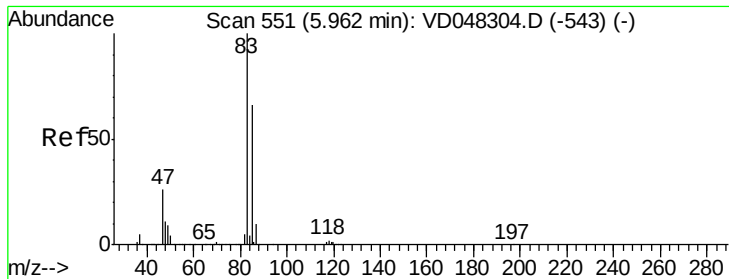


#28

Bromochloromethane
 Concen: 18.27 ug/l
 RT: 5.74 min Scan# 529
 Delta R.T. -0.03 min
 Lab File: VD048322.D
 Acq: 6 Jan 2016 15:20

Tgt Ion	49	Resp	32587
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.2
130	73.5	62.3	93.5

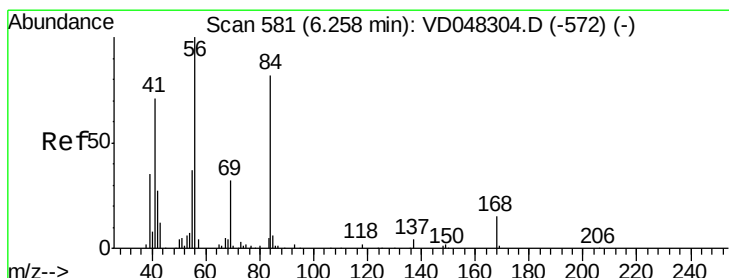
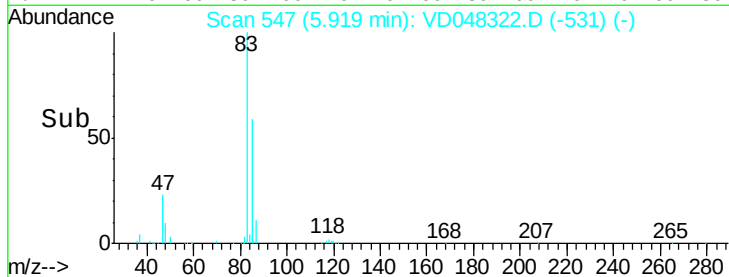
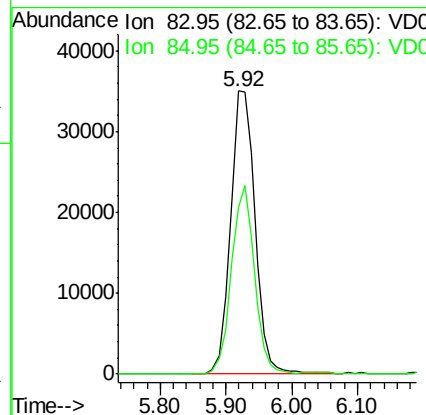
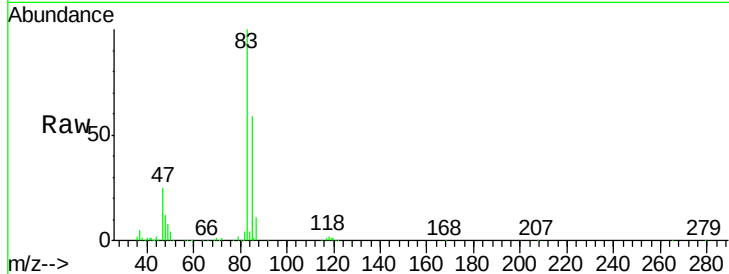




#29
Chloroform
Concen: 19.51 ug/l
RT: 5.92 min Scan# 547
Delta R.T. -0.04 min
Lab File: VD048322.D
Acq: 6 Jan 2016 15:20

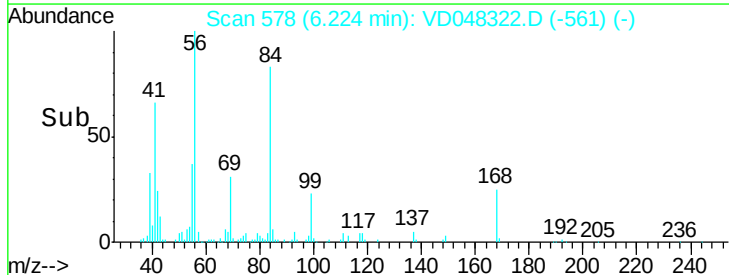
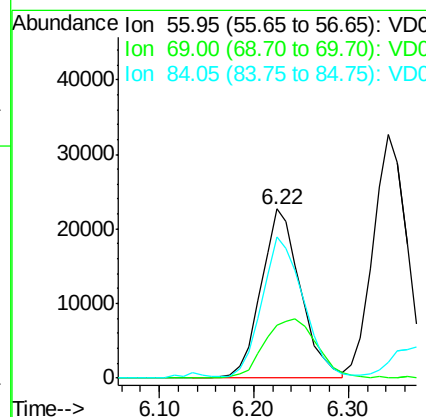
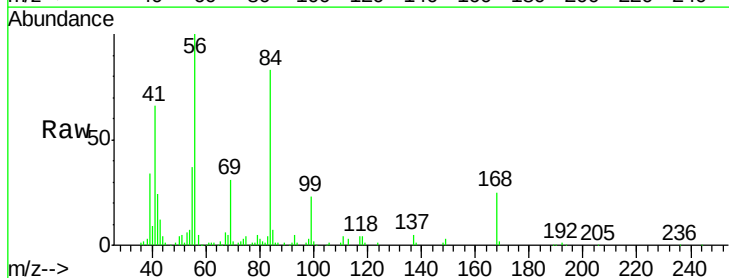
Instrument :
BNA_F
ClientSampleId :

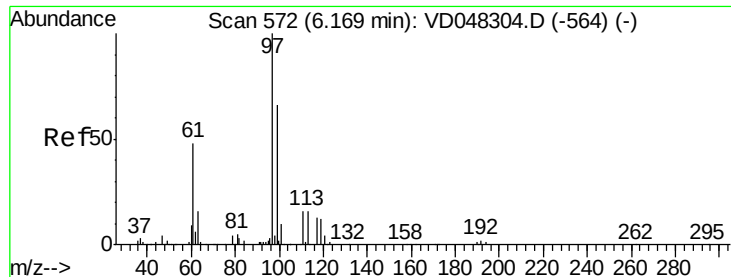
Tot Ion: 83 Resp: 91787
Ion Ratio Lower Upper
83 100
85 59.1 50.2 75.4



#30
Cyclohexane
Concen: 18.40 ug/l
RT: 6.22 min Scan# 578
Delta R.T. -0.03 min
Lab File: VD048322.D
Acq: 6 Jan 2016 15:20

Tgt Ion: 56 Resp: 65750
Ion Ratio Lower Upper
56 100
69 30.9 26.2 39.2
84 83.2 68.5 102.7





#31

1,1,1-Trichloroethane

Concen: 18.94 ug/l

RT: 6.14 min Scan# 569

Delta R.T. -0.03 min

Lab File: VD048322.D

Acq: 6 Jan 2016 15:20

Instrument :

BNA_F

ClientSampleId :

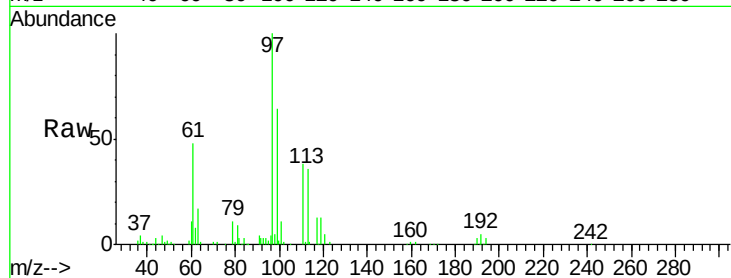
Tot Ion: 97 Resp: 69311

Ion Ratio Lower Upper

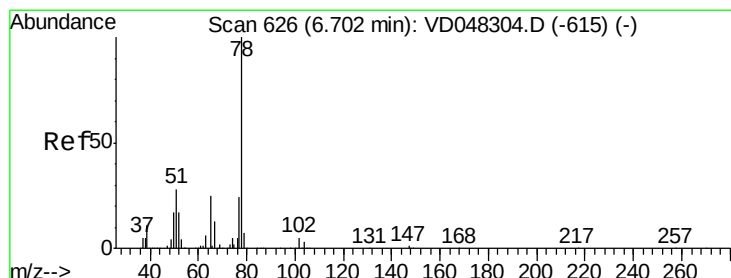
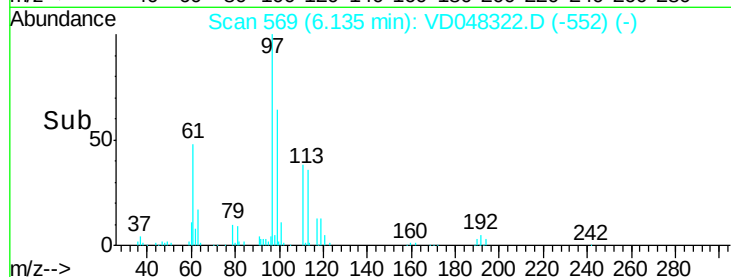
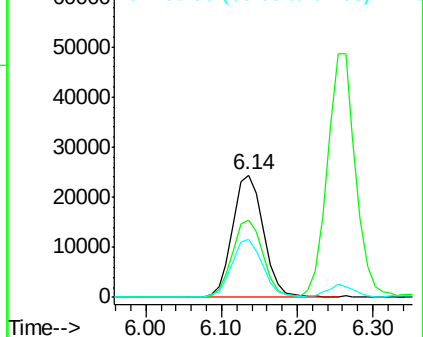
97 100

99 63.7 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: 18.94 ug/l

RT: 6.67 min Scan# 623

Delta R.T. -0.03 min

Lab File: VD048322.D

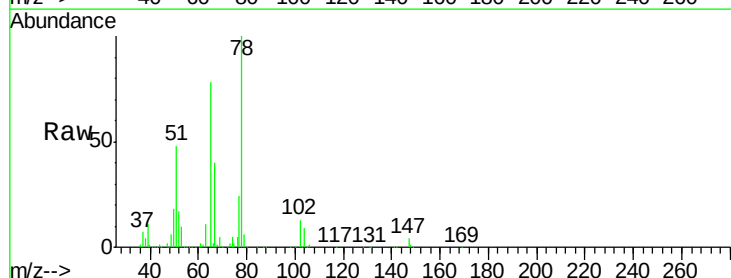
Acq: 6 Jan 2016 15:20

Tgt Ion: 65 Resp: 127892

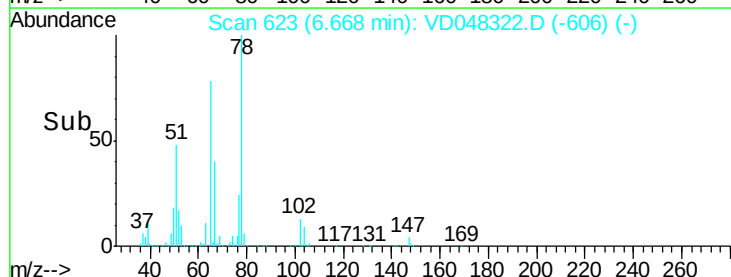
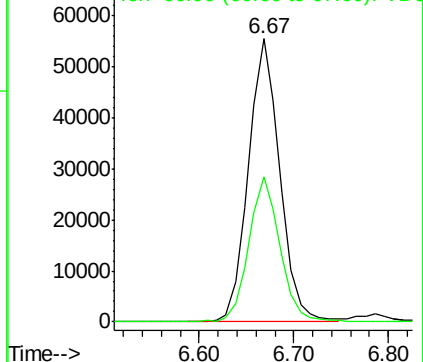
Ion Ratio Lower Upper

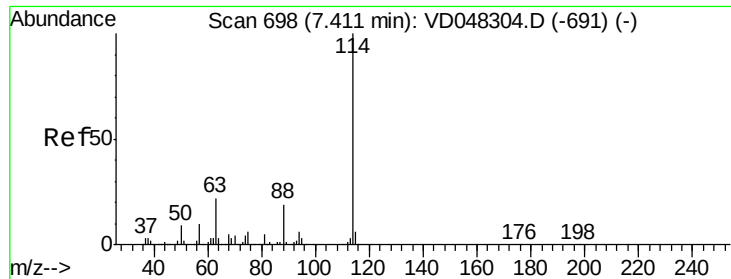
65 100

67 51.4 0.0 106.0



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





#33

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 7.39 min Scan# 696

Delta R.T. -0.02 min

Lab File: VD048322.D

Acq: 6 Jan 2016 15:20

Instrument :

BNA_F

ClientSampleId :

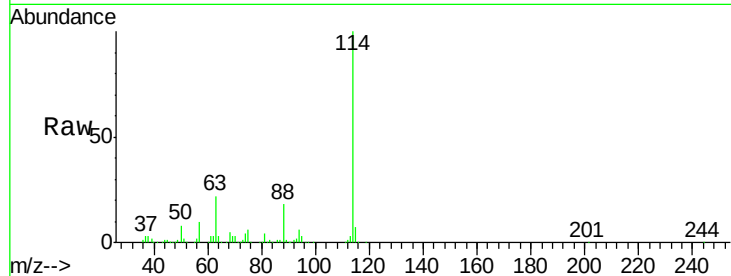
Tot Ion:114 Resp: 362640

Ion Ratio Lower Upper

114 100

63 21.9 0.0 39.4

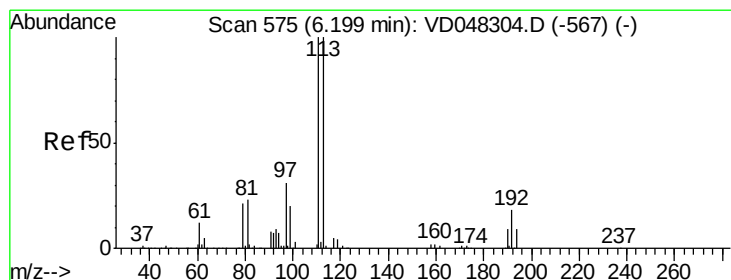
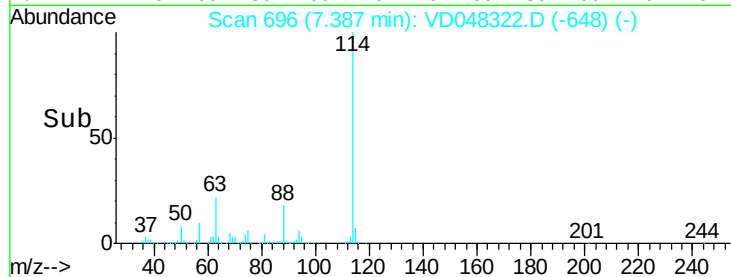
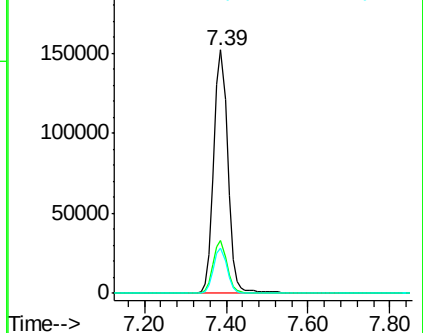
88 18.3 0.0 35.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): V

Ion 87.90 (87.60 to 88.60): V



#34

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 6.17 min Scan# 572

Delta R.T. -0.03 min

Lab File: VD048322.D

Acq: 6 Jan 2016 15:20

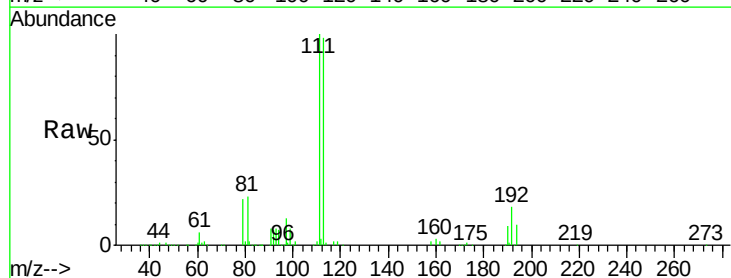
Tgt Ion:113 Resp: 117888

Ion Ratio Lower Upper

113 100

111 102.3 83.7 125.5

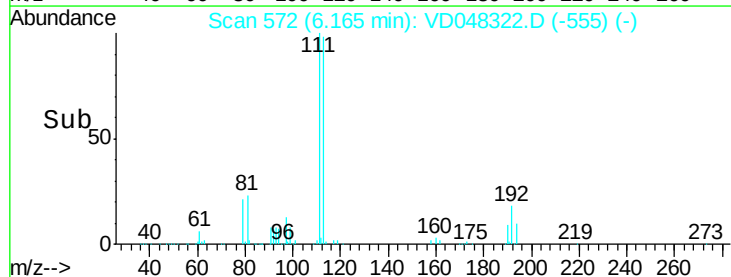
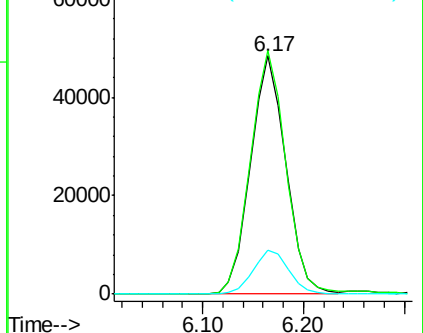
192 18.7 13.9 20.9

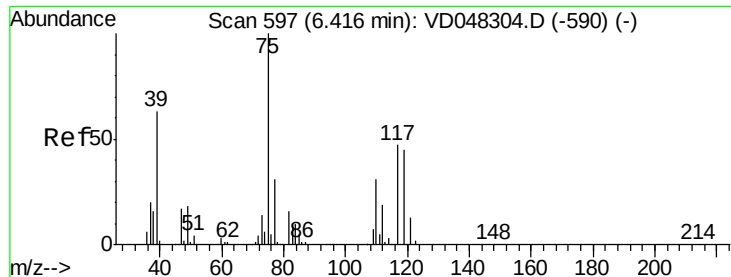


Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V

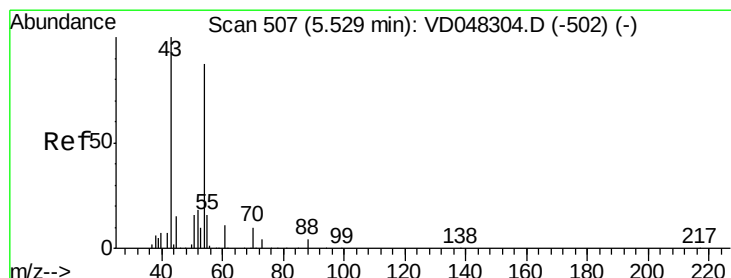
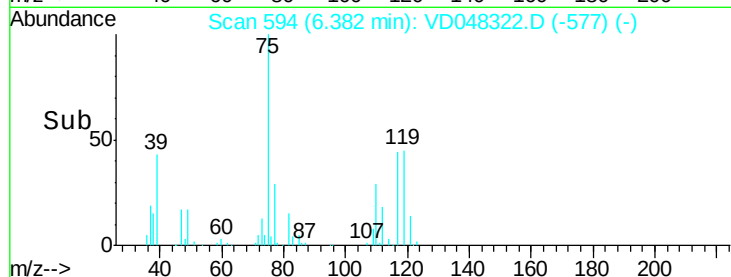
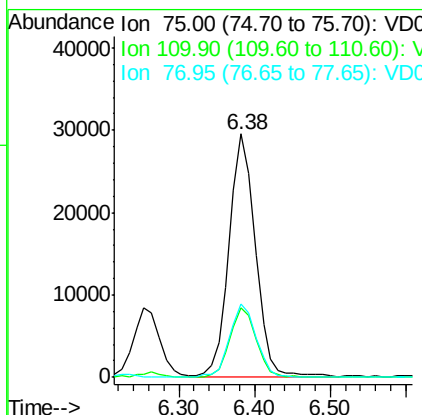
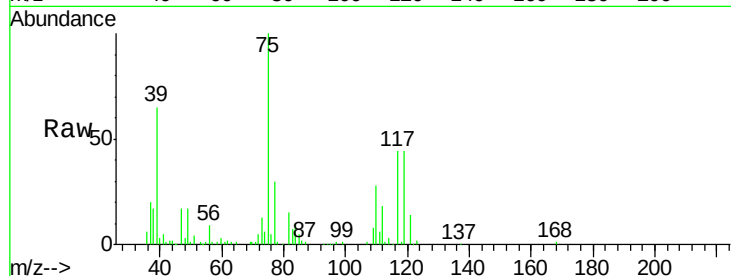




#35
 1,1-Dichloropropene
 Concen: 19.69 ug/l
 RT: 6.38 min Scan# 594
 Delta R.T. -0.03 min
 Lab File: VD048322.D
 Acq: 6 Jan 2016 15:20

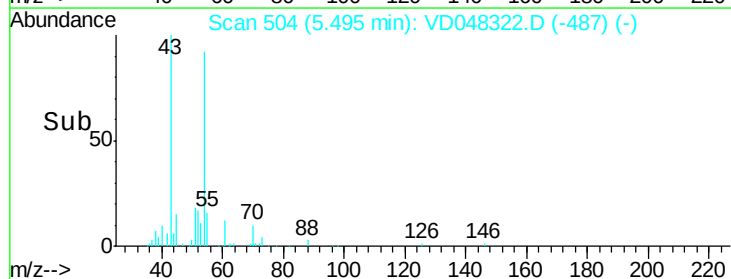
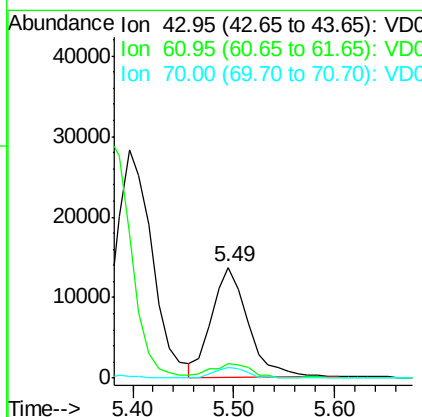
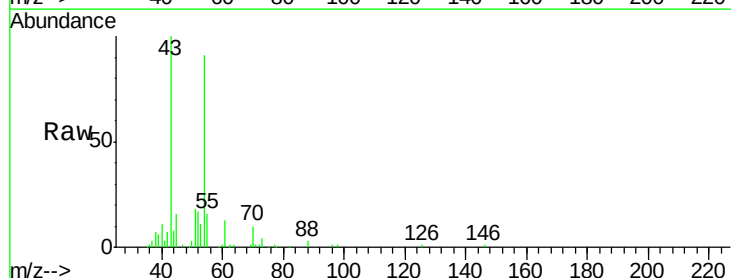
Instrument :
 BNA_F
 ClientSampleId :

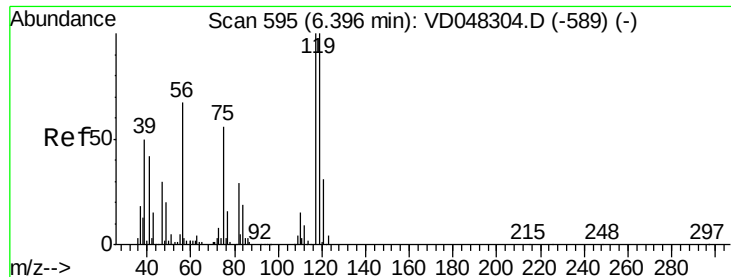
Tot Ion: 75 Resp: 71028
 Ion Ratio Lower Upper
 75 100
 110 28.4 15.6 46.8
 77 30.1 24.2 36.2



#36
 Ethyl Acetate
 Concen: 21.37 ug/l
 RT: 5.49 min Scan# 504
 Delta R.T. -0.03 min
 Lab File: VD048322.D
 Acq: 6 Jan 2016 15:20

Tgt Ion: 43 Resp: 34048
 Ion Ratio Lower Upper
 43 100
 61 13.5 10.2 15.2
 70 9.8 7.8 11.8





#37

Carbon Tetrachloride

Concen: 18.86 ug/l

RT: 6.36 min Scan# 592

Delta R.T. -0.03 min

Lab File: VD048322.D

Acq: 6 Jan 2016 15:20

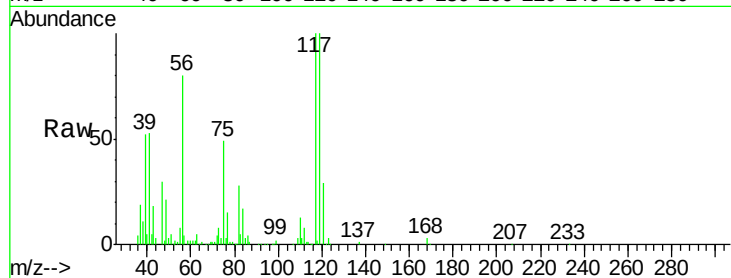
Instrument :

BNA_F

ClientSampleId :

Tot Ion:117 Resp: 60617

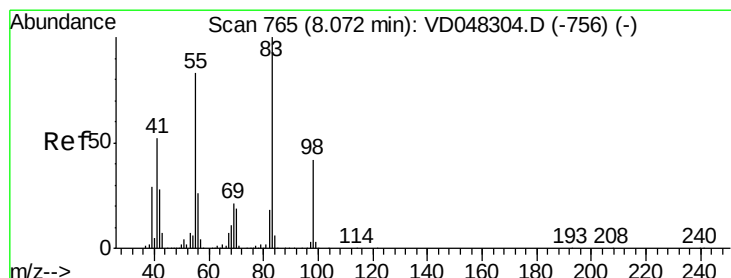
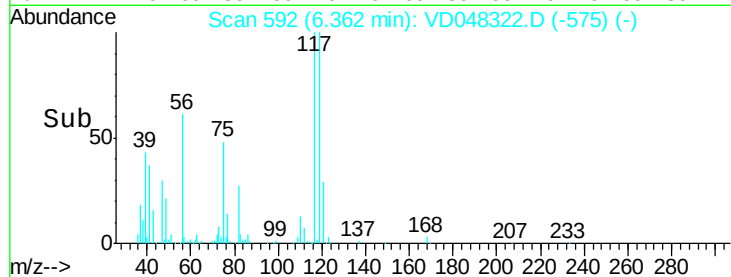
Ion	Ratio	Lower	Upper
117	100		
119	99.9	79.8	119.8
121	29.2	24.2	36.2



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V



#38

Methylcyclohexane

Concen: 18.29 ug/l

RT: 8.04 min Scan# 762

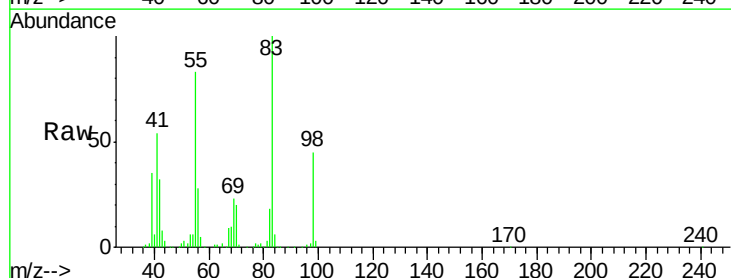
Delta R.T. -0.03 min

Lab File: VD048322.D

Acq: 6 Jan 2016 15:20

Tgt Ion: 83 Resp: 71013

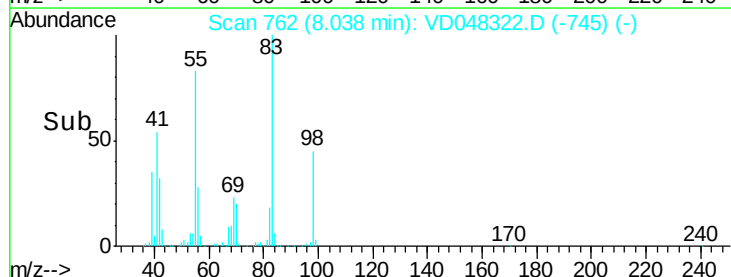
Ion	Ratio	Lower	Upper
83	100		
55	82.7	72.0	108.0
98	44.5	35.3	52.9

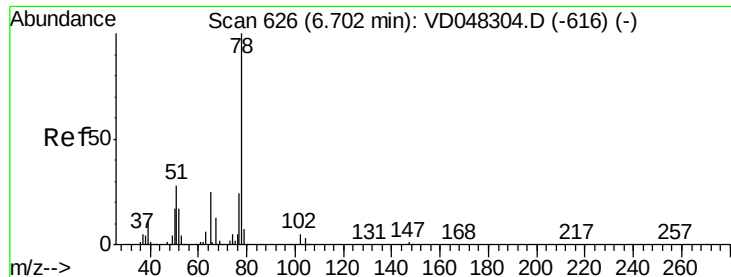


Abundance Ion 83.05 (82.75 to 83.75): V

Ion 55.00 (54.70 to 55.70): V

Ion 98.05 (97.75 to 98.75): V





#39

Benzene

Concen: 19.27 ug/l

RT: 6.68 min Scan# 624

Delta R.T. -0.02 min

Lab File: VD048322.D

Acq: 6 Jan 2016 15:20

Instrument :

BNA_F

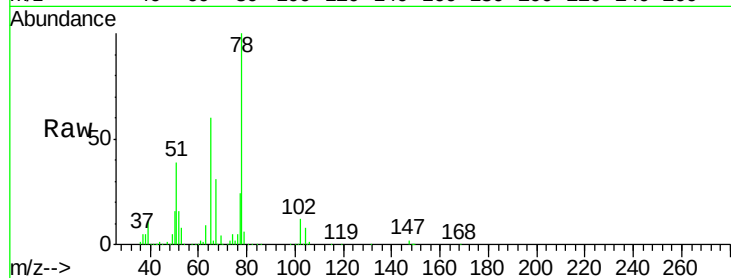
ClientSampleId :

Tot Ion: 78 Resp: 185329

Ion Ratio Lower Upper

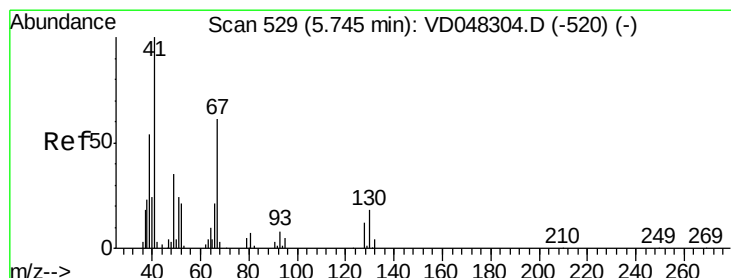
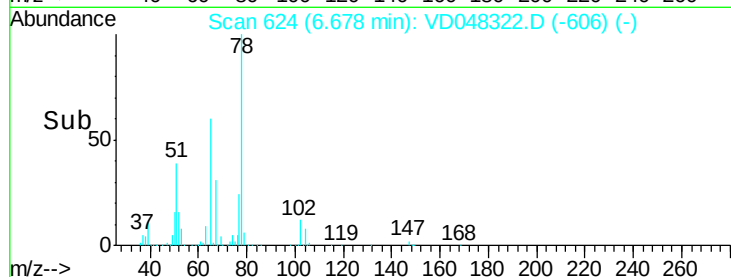
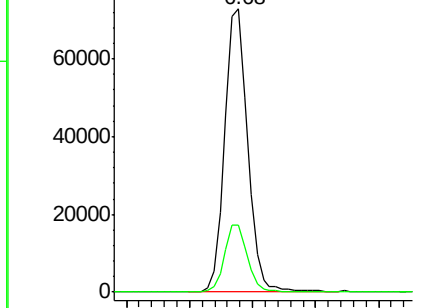
78 100

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: 22.21 ug/l

RT: 5.71 min Scan# 526

Delta R.T. -0.03 min

Lab File: VD048322.D

Acq: 6 Jan 2016 15:20

Tgt Ion: 41 Resp: 20754

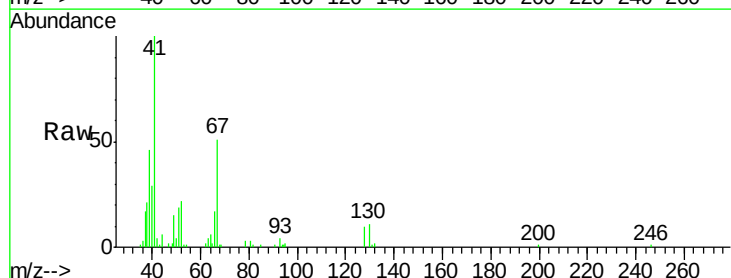
Ion Ratio Lower Upper

41 100

39 46.0 41.2 61.8

67 51.1 47.0 70.6

52 21.7 18.9 28.3

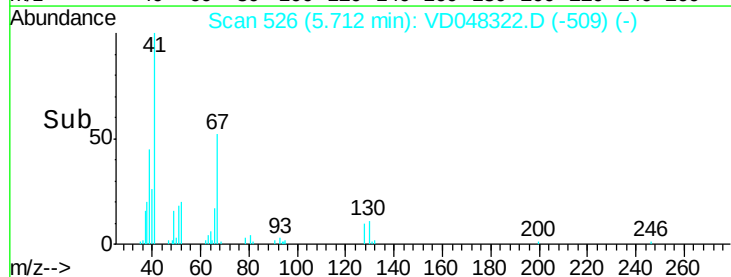
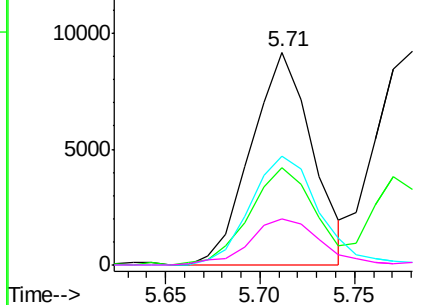


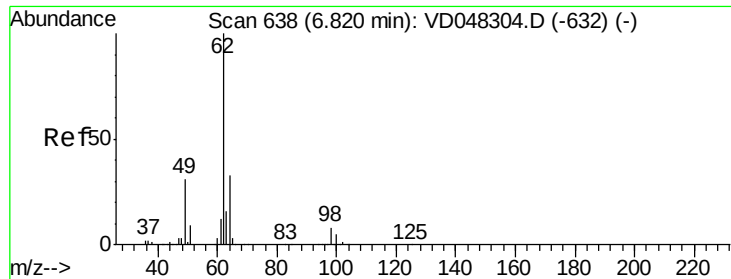
Abundance Ion 40.95 (40.65 to 41.65): VDC

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

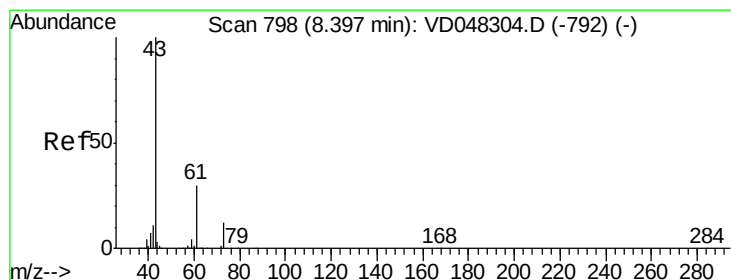
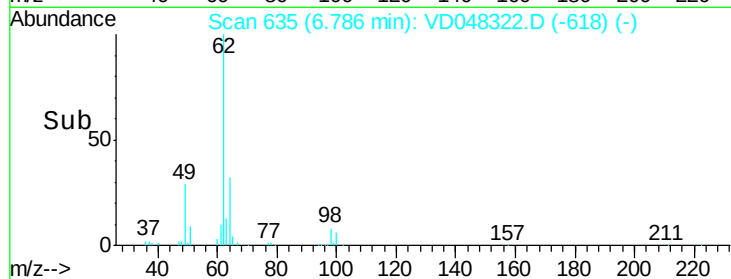
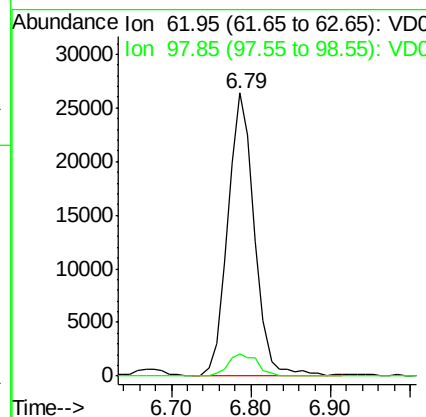
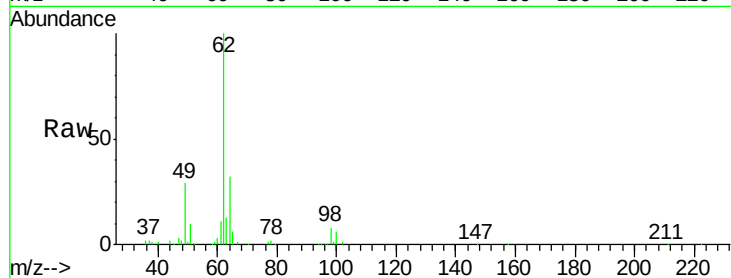




#41
 1,2-Dichloroethane
 Concen: 20.67 ug/l
 RT: 6.79 min Scan# 635
 Delta R.T. -0.03 min
 Lab File: VD048322.D
 Acq: 6 Jan 2016 15:20

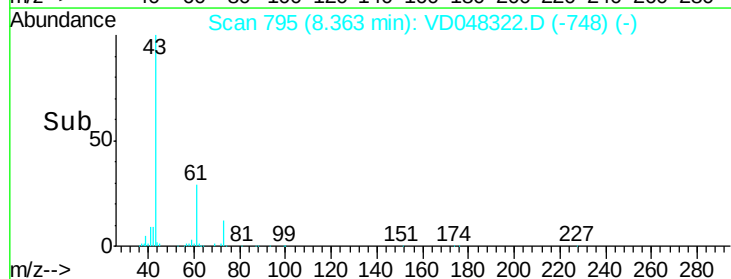
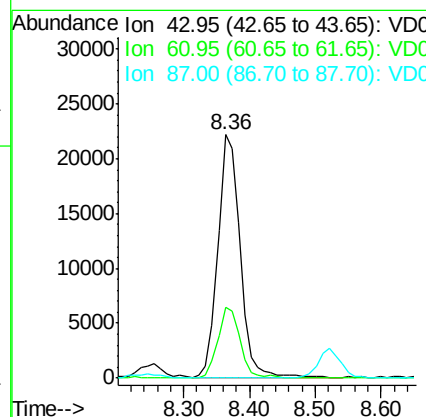
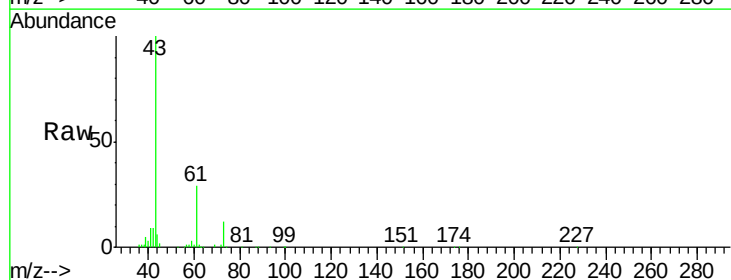
Instrument :
 BNA_F
 ClientSampleId :

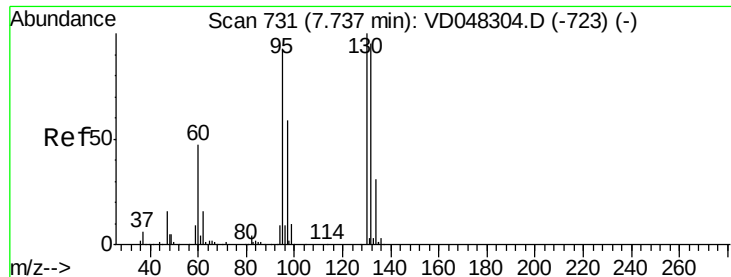
Tot Ion: 62 Resp: 62437
 Ion Ratio Lower Upper
 62 100
 98 7.9 0.0 14.0



#42
 Isopropyl Acetate
 Concen: 22.92 ug/l
 RT: 8.36 min Scan# 795
 Delta R.T. -0.03 min
 Lab File: VD048322.D
 Acq: 6 Jan 2016 15:20

Tgt Ion: 43 Resp: 51923
 Ion Ratio Lower Upper
 43 100
 61 29.3 23.8 35.8
 87 0.3 0.3 0.5#





#43

Trichloroethene

Concen: 19.13 ug/l

RT: 7.70 min Scan# 728

Delta R.T. -0.03 min

Lab File: VD048322.D

Acq: 6 Jan 2016 15:20

Instrument :

BNA_F

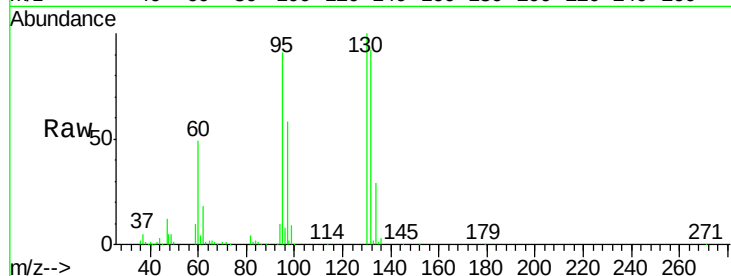
ClientSampleId :

Tot Ion:130 Resp: 51856

Ion Ratio Lower Upper

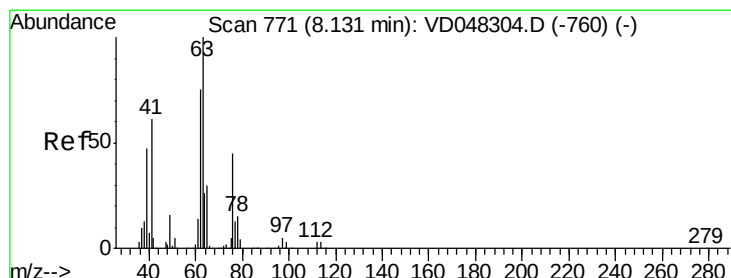
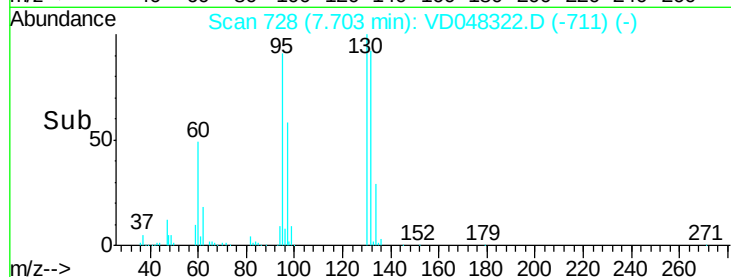
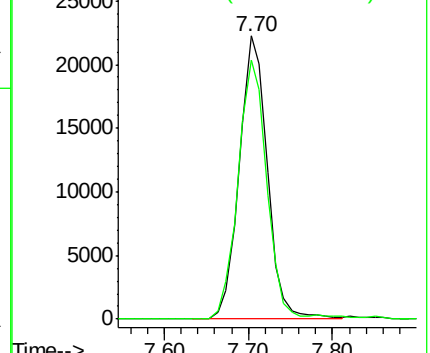
130 100

95 91.3 0.0 190.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC



#44

1,2-Dichloropropane

Concen: 19.51 ug/l

RT: 8.10 min Scan# 768

Delta R.T. -0.03 min

Lab File: VD048322.D

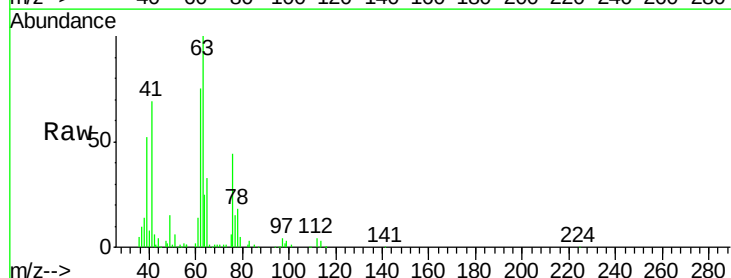
Acq: 6 Jan 2016 15:20

Tgt Ion: 63 Resp: 52058

Ion Ratio Lower Upper

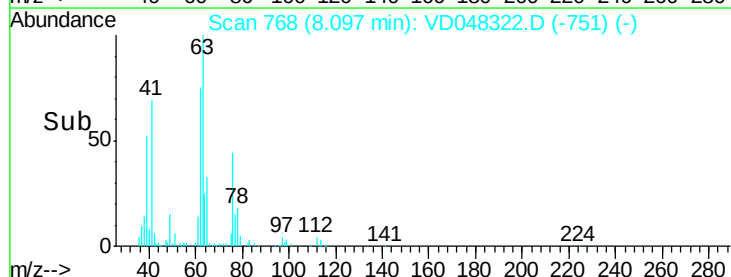
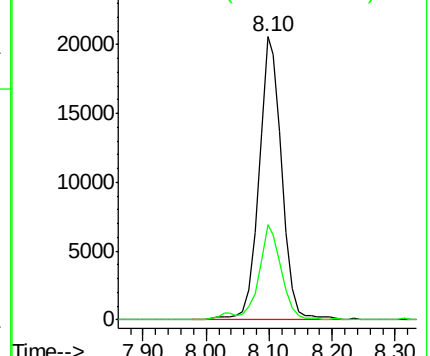
63 100

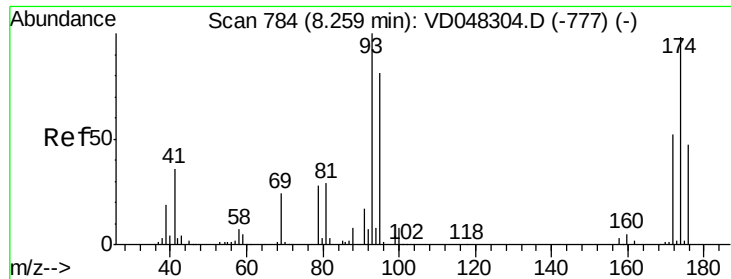
65 33.5 23.7 35.5



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

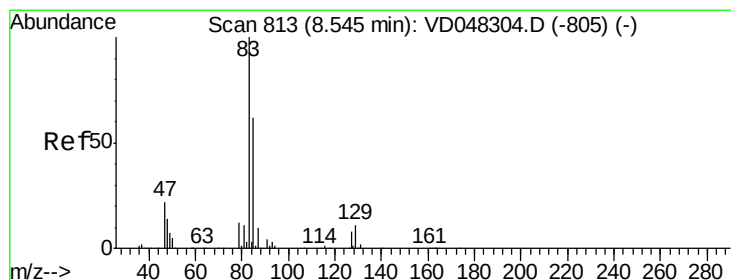
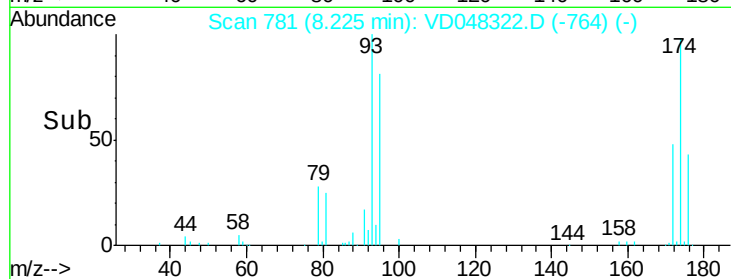
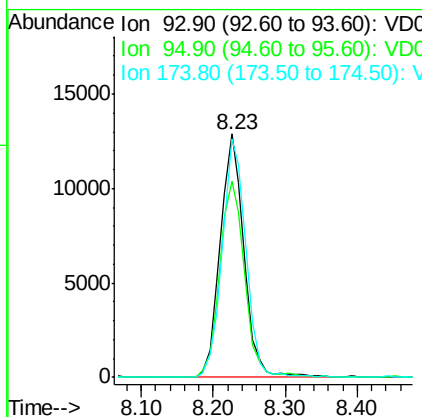
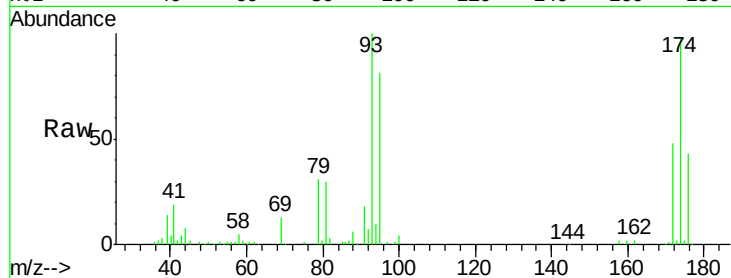




#45
 Dibromomethane
 Concen: 20.12 ug/l
 RT: 8.23 min Scan# 781
 Delta R.T. -0.03 min
 Lab File: VD048322.D
 Acq: 6 Jan 2016 15:20

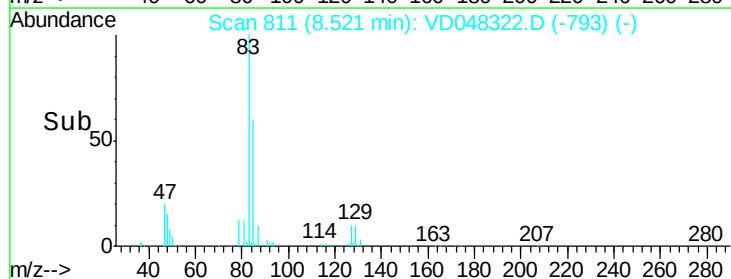
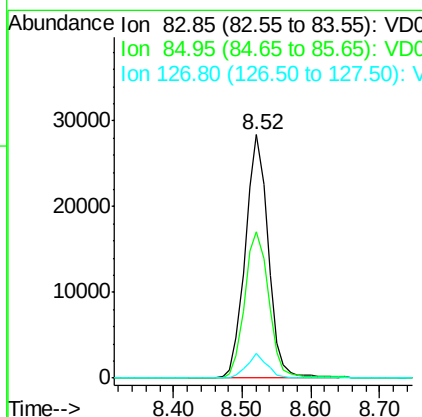
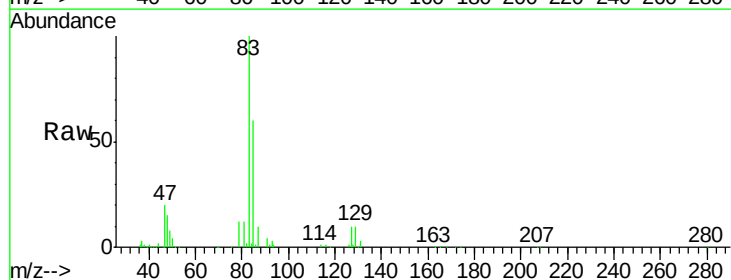
Instrument :
 BNA_F
 ClientSampleId :

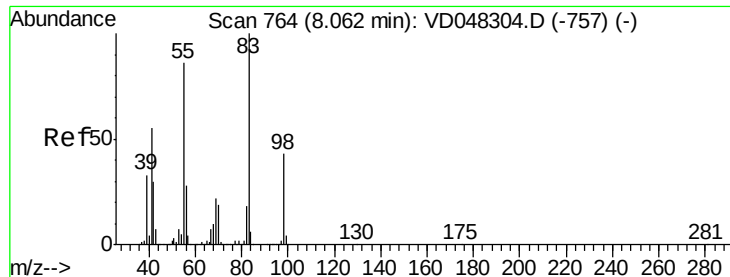
Tot Ion: 93 Resp: 29251
 Ion Ratio Lower Upper
 93 100
 95 80.8 64.4 96.6
 174 97.7 74.6 112.0



#46
 Bromodichloromethane
 Concen: 19.00 ug/l
 RT: 8.52 min Scan# 811
 Delta R.T. -0.02 min
 Lab File: VD048322.D
 Acq: 6 Jan 2016 15:20

Tgt Ion: 83 Resp: 65957
 Ion Ratio Lower Upper
 83 100
 85 60.0 48.7 73.1
 127 10.0 6.8 10.2





#47

Methyl methacrylate

Concen: 17.01 ug/l

RT: 8.04 min Scan# 762

Delta R.T. -0.02 min

Lab File: VD048322.D

Acq: 6 Jan 2016 15:20

Instrument :

BNA_F

ClientSampleId :

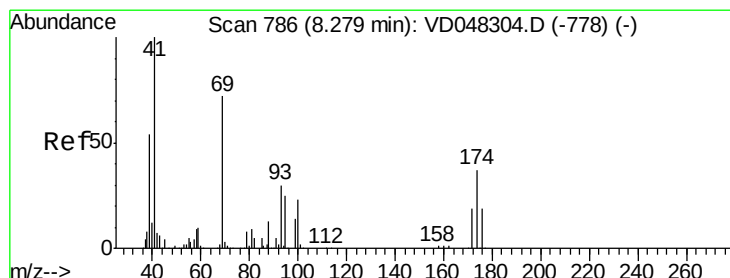
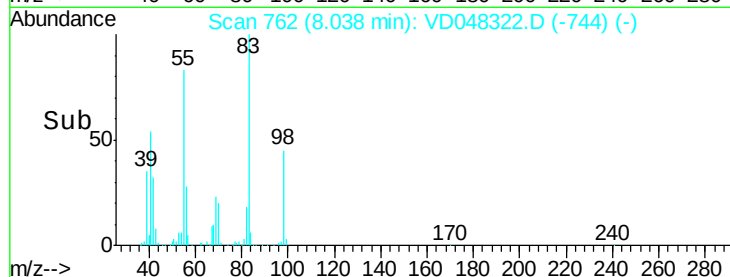
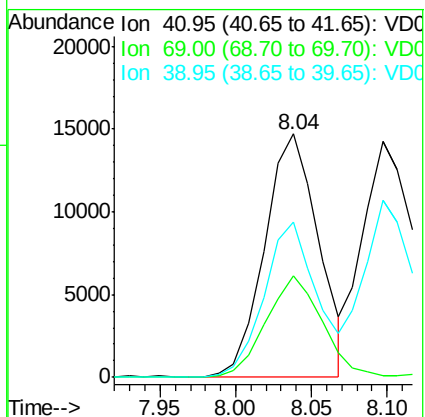
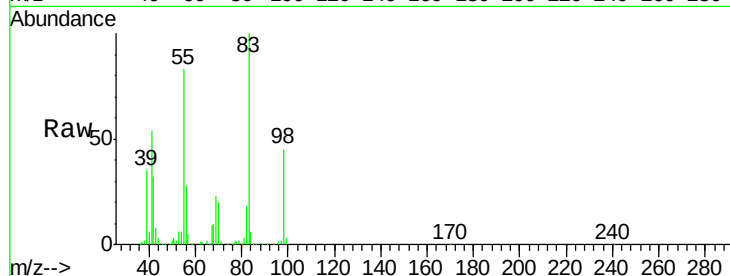
Tot Ion: 41 Resp: 36701

Ion Ratio Lower Upper

41 100

69 41.7 34.6 52.0

39 63.7 45.6 68.4



#48

1,4-Dioxane

Concen: 479.95 ug/l

RT: 8.24 min Scan# 783

Delta R.T. -0.03 min

Lab File: VD048322.D

Acq: 6 Jan 2016 15:20

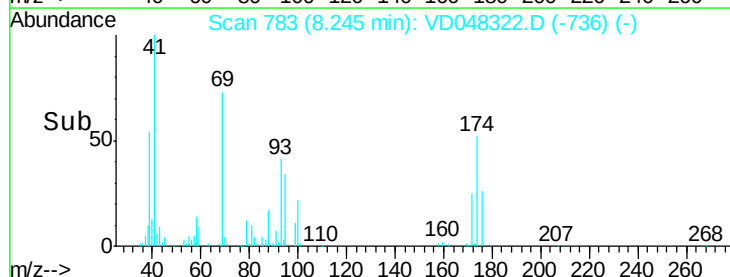
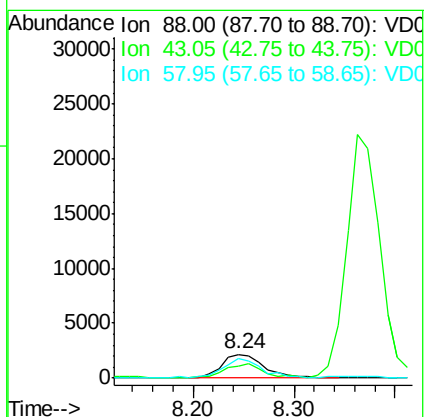
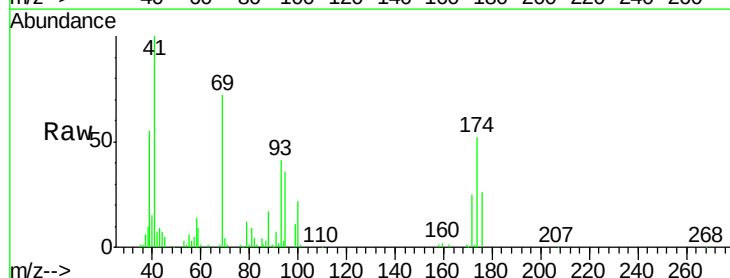
Tgt Ion: 88 Resp: 6279

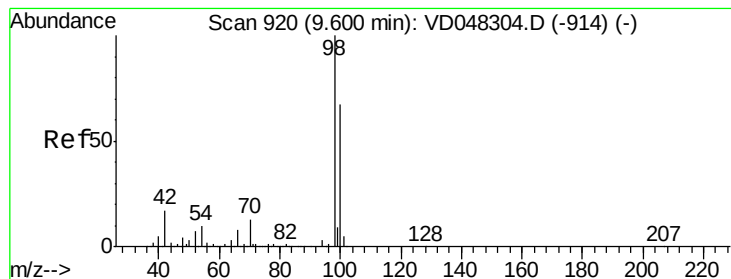
Ion Ratio Lower Upper

88 100

43 51.5 42.7 64.1

58 83.9 63.9 95.9





#49

Toluene-d8

Concen: 479.95 ug/l

RT: 9.58 min Scan# 918

Delta R.T. -0.02 min

Lab File: VD048322.D

Acq: 6 Jan 2016 15:20

Instrument :

BNA_F

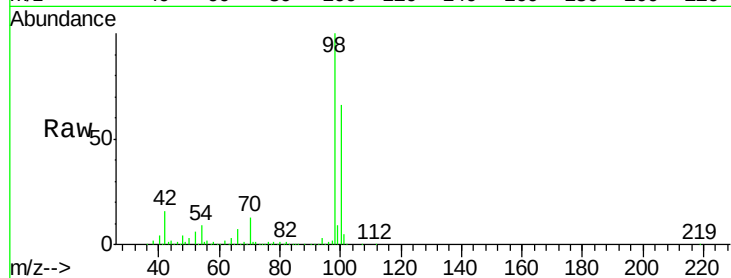
ClientSampleId :

Tot Ion: 98 Resp: 382720

Ion Ratio Lower Upper

98 100

100 66.3 55.8 83.6



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

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

200000

150000

100000

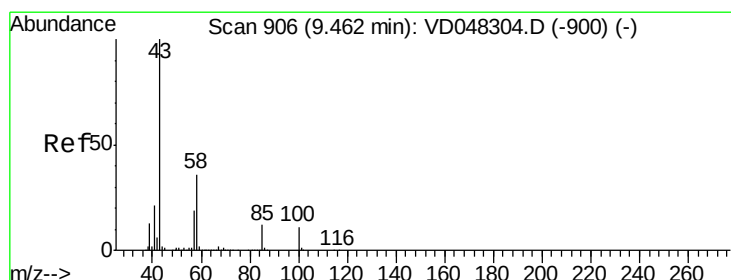
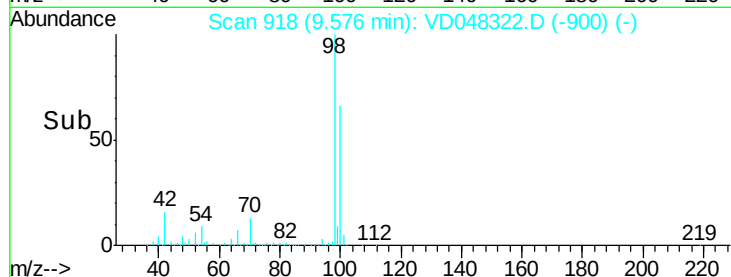
50000

0

9.40 9.50 9.60 9.70 9.80

9.58

Time-->



#50

4-Methyl-2-Pentanone

Concen: 120.69 ug/l

RT: 9.44 min Scan# 904

Delta R.T. -0.02 min

Lab File: VD048322.D

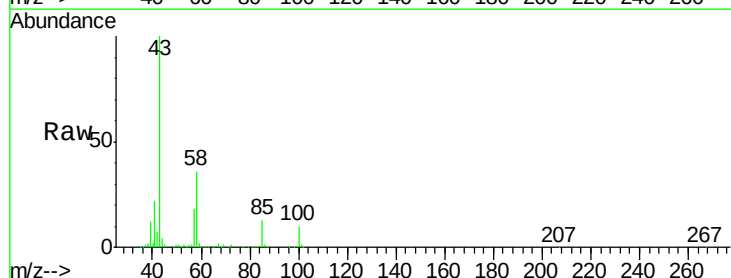
Acq: 6 Jan 2016 15:20

Tgt Ion: 43 Resp: 181744

Ion Ratio Lower Upper

43 100

58 36.0 28.5 42.7



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

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

80000

60000

40000

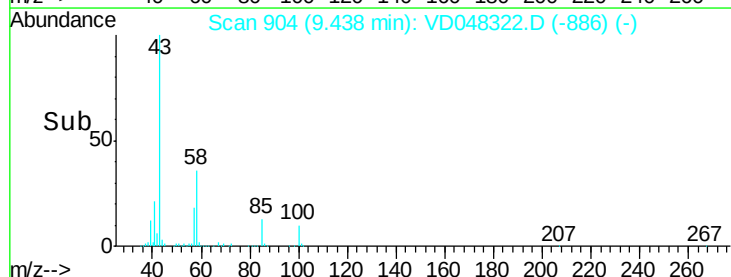
20000

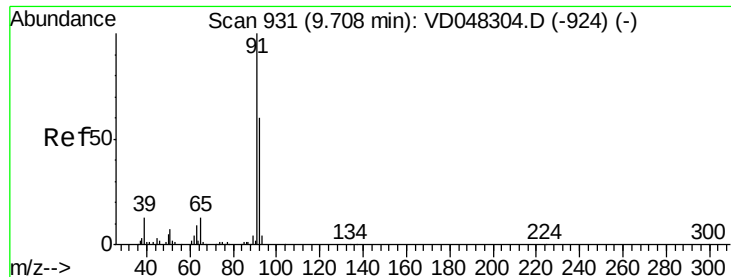
0

9.30 9.40 9.50

9.44

Time-->





#51

Toluene

Concen: 19.26 ug/l

RT: 9.67 min Scan# 928

Delta R.T. -0.03 min

Lab File: VD048322.D

Acq: 6 Jan 2016 15:20

Instrument :

BNA_F

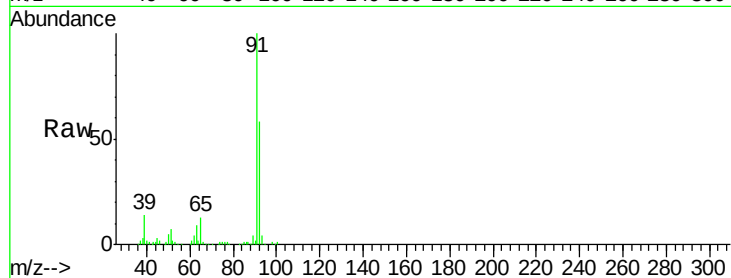
ClientSampleId :

Tot Ion: 92 Resp: 112817

Ion Ratio Lower Upper

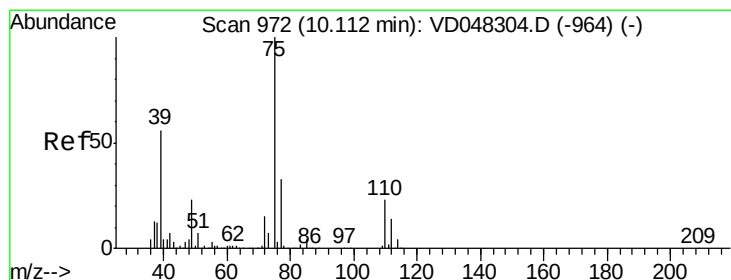
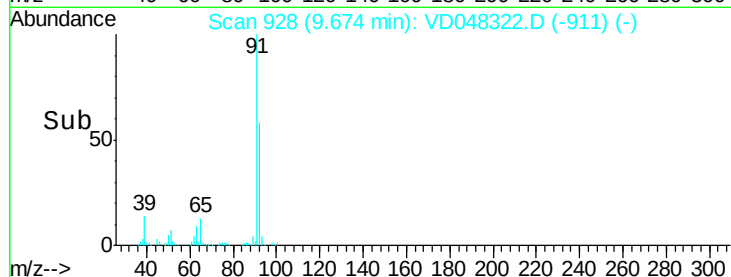
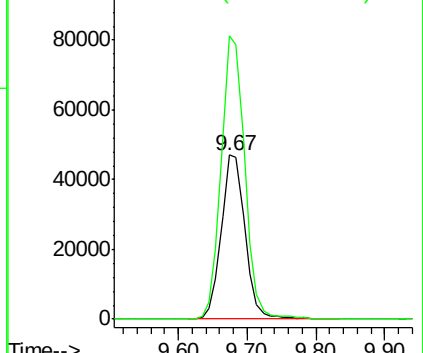
92 100

91 172.3 133.4 200.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



#52

t-1,3-Dichloropropene

Concen: 20.17 ug/l

RT: 10.09 min Scan# 970

Delta R.T. -0.02 min

Lab File: VD048322.D

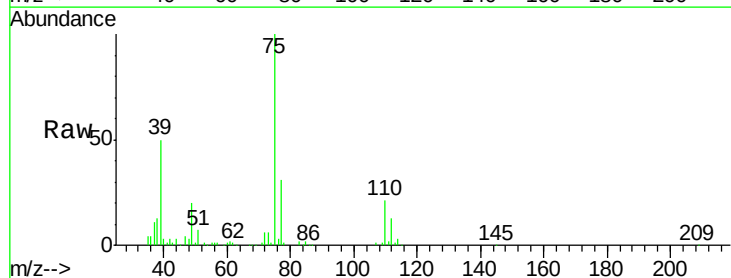
Acq: 6 Jan 2016 15:20

Tgt Ion: 75 Resp: 66314

Ion Ratio Lower Upper

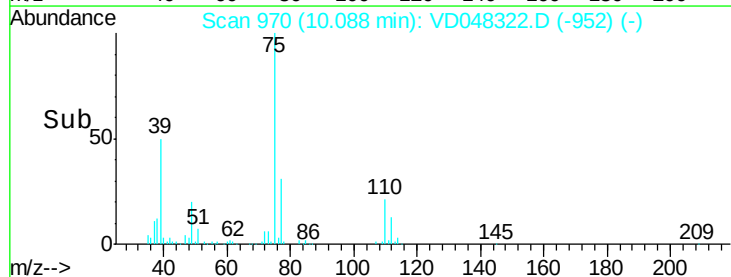
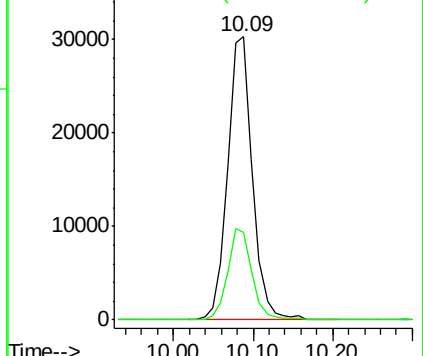
75 100

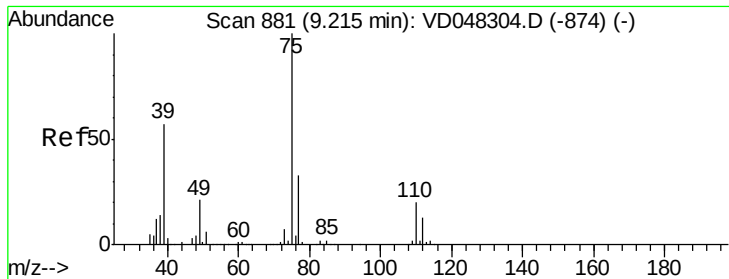
77 31.1 26.4 39.6



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#53

cis-1,3-Dichloropropene

Concen: 19.44 ug/l

RT: 9.19 min Scan# 879

Delta R.T. -0.02 min

Lab File: VD048322.D

Acq: 6 Jan 2016 15:20

Instrument :

BNA_F

ClientSampled :

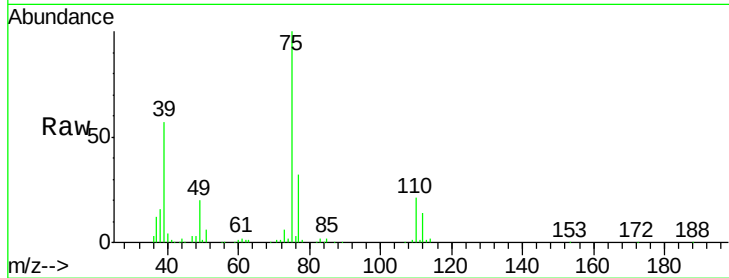
Tot Ion: 75 Resp: 80180

Ion Ratio Lower Upper

75 100

77 32.4 25.8 38.6

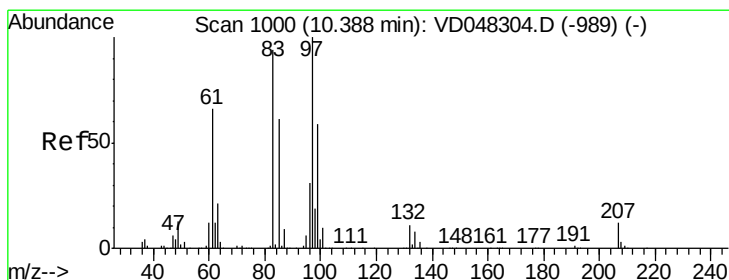
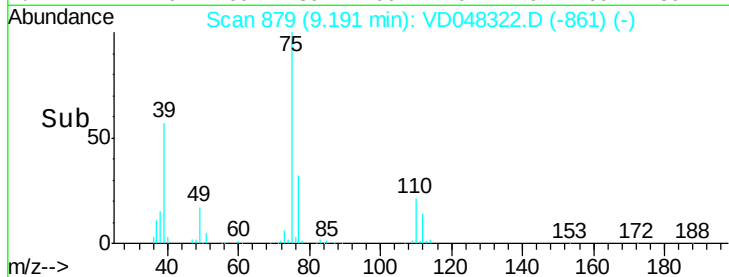
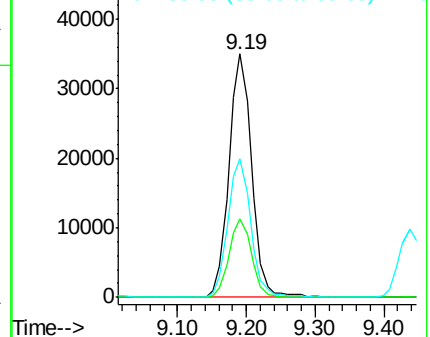
39 57.2 41.5 62.3



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC



#54

1,1,2-Trichloroethane

Concen: 20.66 ug/l

RT: 10.36 min Scan# 998

Delta R.T. -0.02 min

Lab File: VD048322.D

Acq: 6 Jan 2016 15:20

Tgt Ion: 97 Resp: 37889

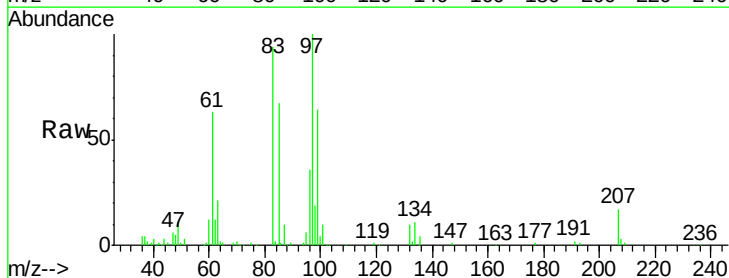
Ion Ratio Lower Upper

97 100

83 93.5 78.2 117.2

85 66.9 48.1 72.1

99 64.0 50.0 75.0

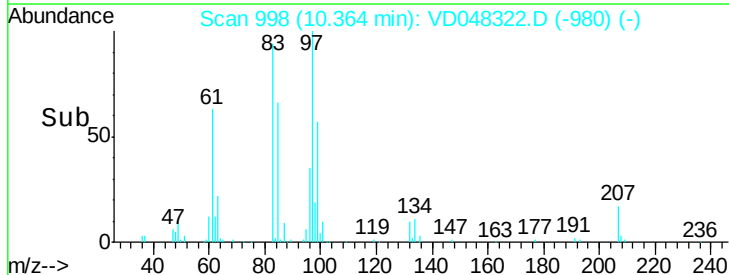
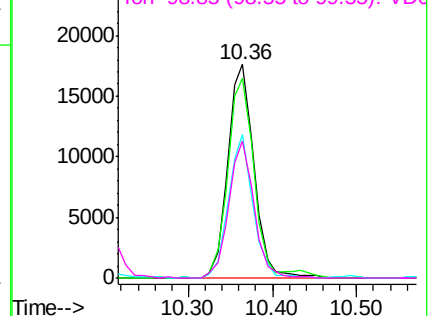


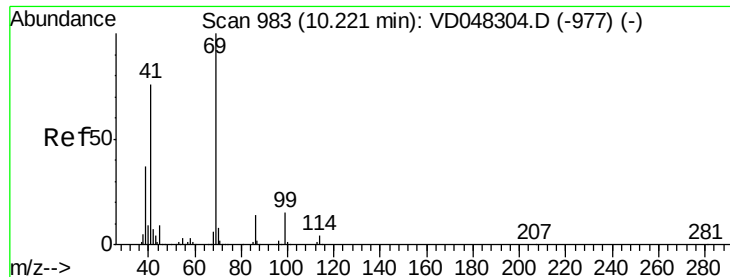
Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC





#55

Ethyl methacrylate

Concen: 22.74 ug/l

RT: 10.21 min Scan# 982

Delta R.T. -0.01 min

Lab File: VD048322.D

Acq: 6 Jan 2016 15:20

Instrument :

BNA_F

ClientSampleId :

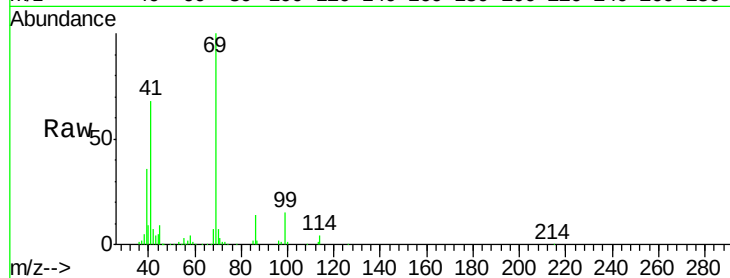
Tot Ion: 69 Resp: 50196

Ion	Ratio	Lower	Upper
69	100		
41	68.4	55.3	82.9
39	35.6	29.4	44.2

69 100

41 68.4 55.3 82.9

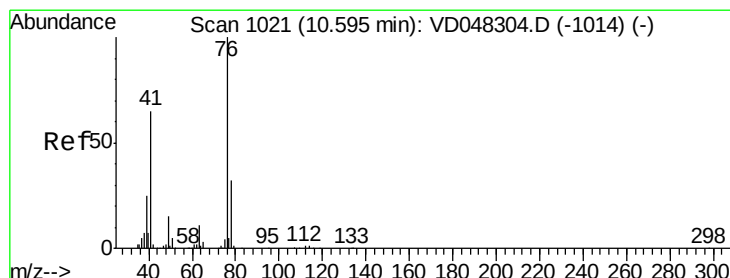
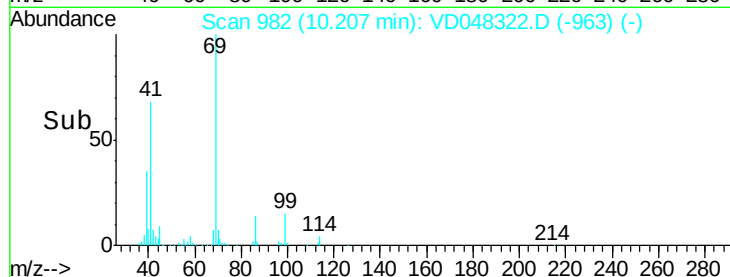
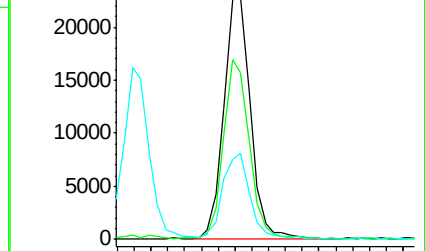
39 35.6 29.4 44.2



Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC



#56

1,3-Dichloropropane

Concen: 20.70 ug/l

RT: 10.57 min Scan# 1019

Delta R.T. -0.02 min

Lab File: VD048322.D

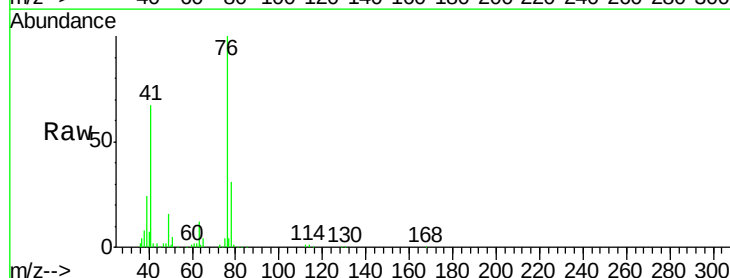
Acq: 6 Jan 2016 15:20

Tgt Ion: 76 Resp: 75653

Ion	Ratio	Lower	Upper
76	100		
78	31.0	25.8	38.8

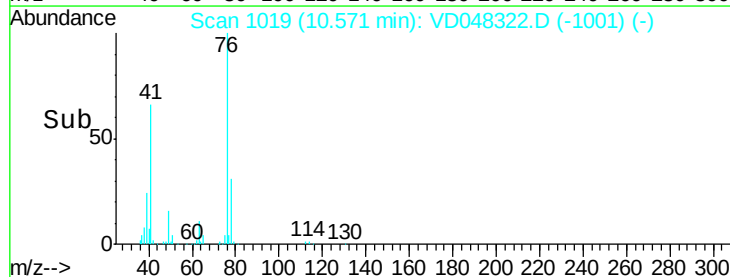
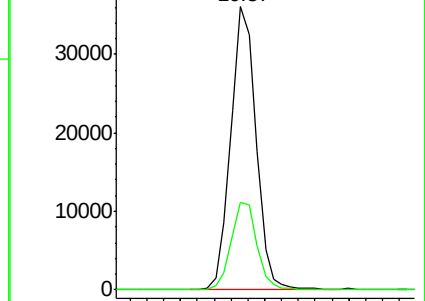
76 100

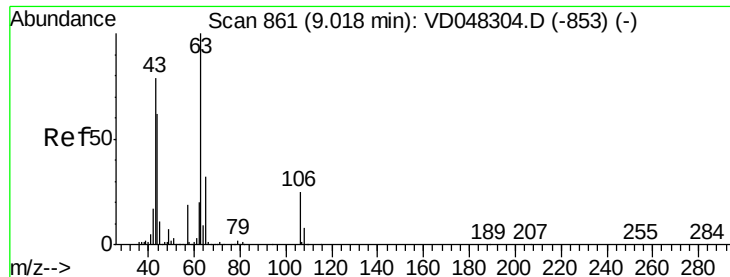
78 31.0 25.8 38.8



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: 100.35 ug/l

RT: 8.99 min Scan# 859

Delta R.T. -0.02 min

Lab File: VD048322.D

Acq: 6 Jan 2016 15:20

Instrument :

BNA_F

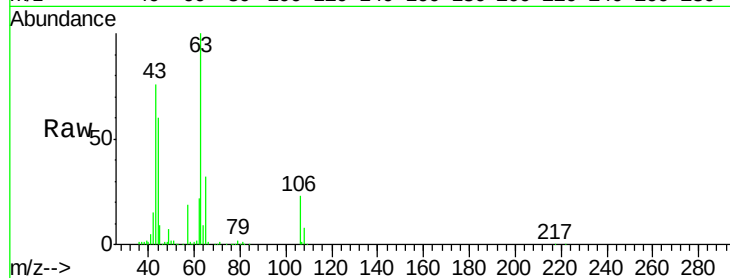
ClientSampleId :

Tot Ion: 63 Resp: 131078

Ion Ratio Lower Upper

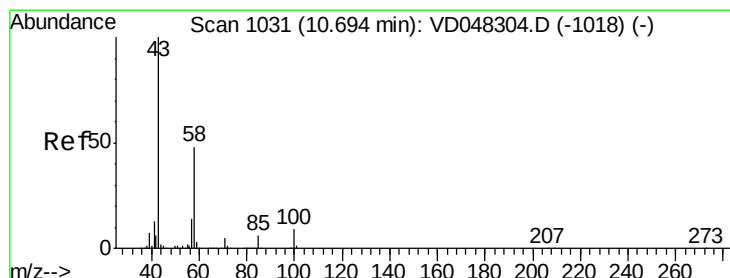
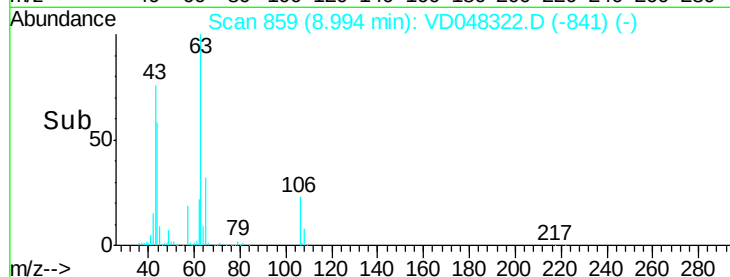
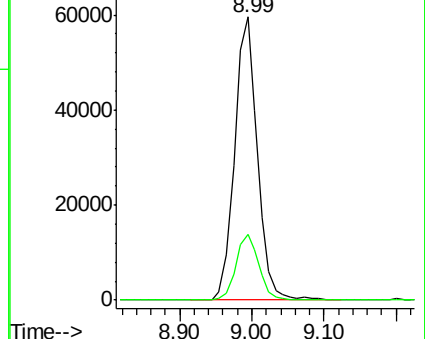
63 100

106 23.3 18.7 28.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC



#58

2-Hexanone

Concen: 126.52 ug/l

RT: 10.67 min Scan# 1029

Delta R.T. -0.02 min

Lab File: VD048322.D

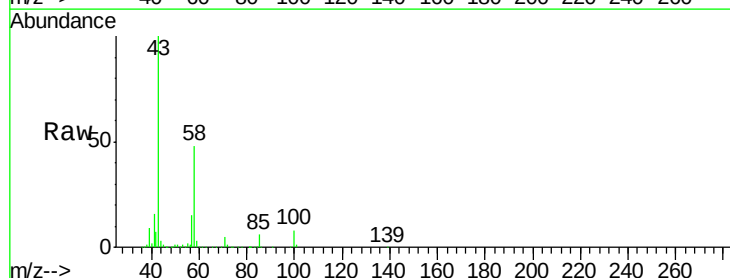
Acq: 6 Jan 2016 15:20

Tgt Ion: 43 Resp: 132689

Ion Ratio Lower Upper

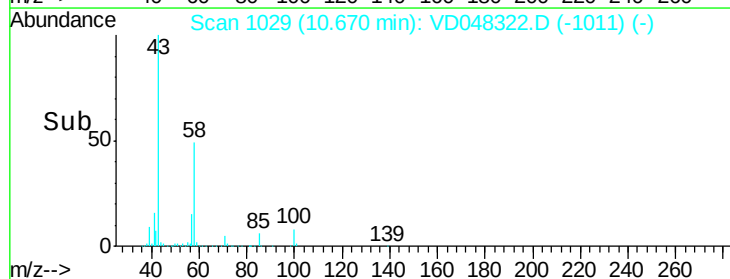
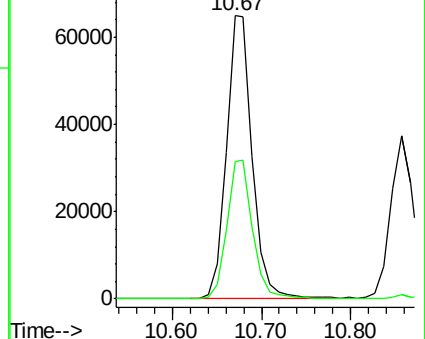
43 100

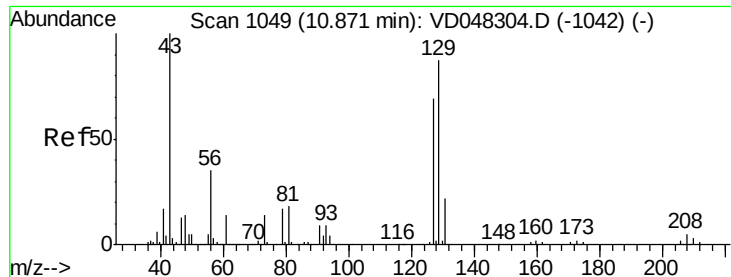
58 48.5 24.4 73.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#59

Dibromochloromethane

Concen: 19.95 ug/l

RT: 10.85 min Scan# 1047

Delta R.T. -0.02 min

Lab File: VD048322.D

Acq: 6 Jan 2016 15:20

Instrument :

BNA_F

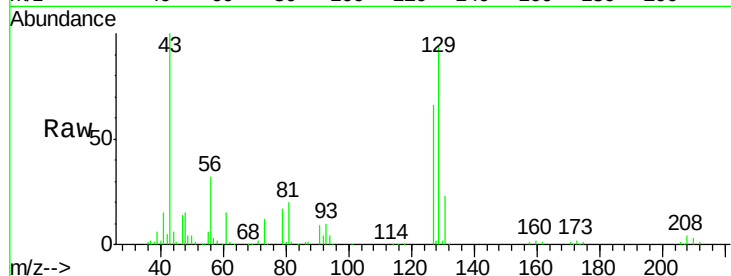
ClientSampled :

Tot Ion:129 Resp: 48472

Ion Ratio Lower Upper

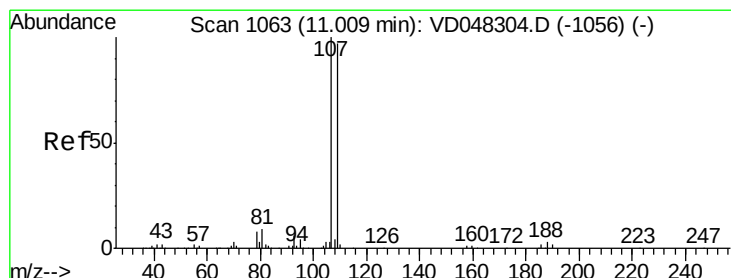
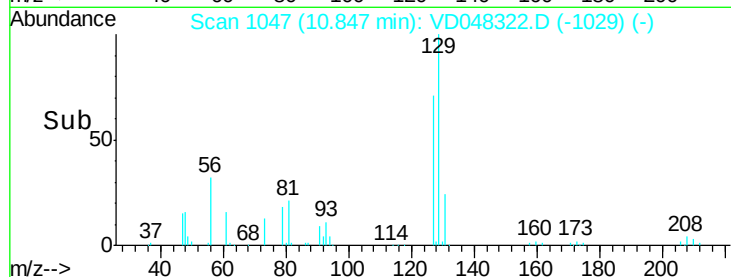
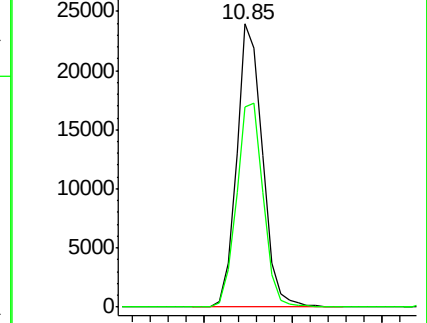
129 100

127 70.6 37.5 112.7



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#60

1,2-Dibromoethane

Concen: 21.01 ug/l

RT: 10.99 min Scan# 1061

Delta R.T. -0.02 min

Lab File: VD048322.D

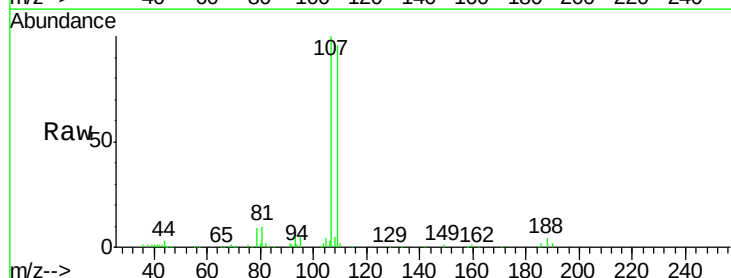
Acq: 6 Jan 2016 15:20

Tgt Ion:107 Resp: 41292

Ion Ratio Lower Upper

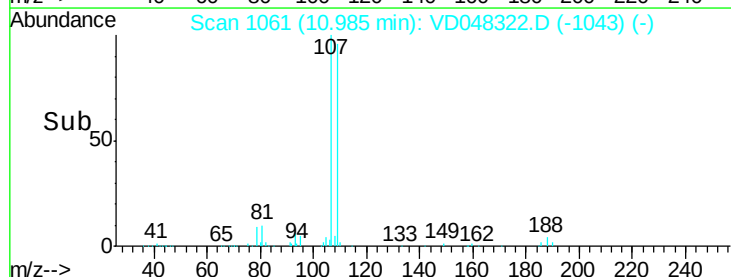
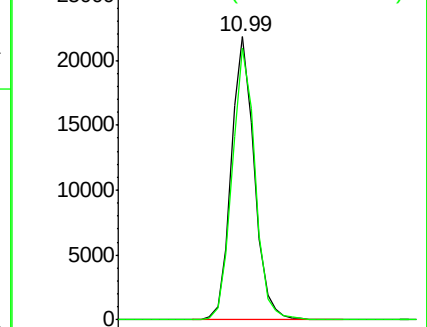
107 100

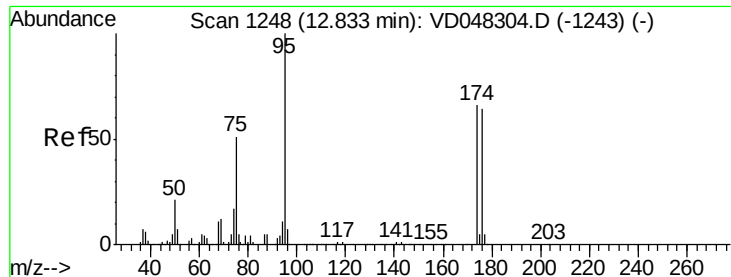
109 96.1 77.3 115.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

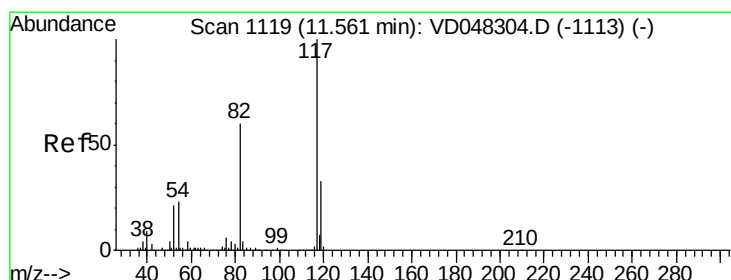
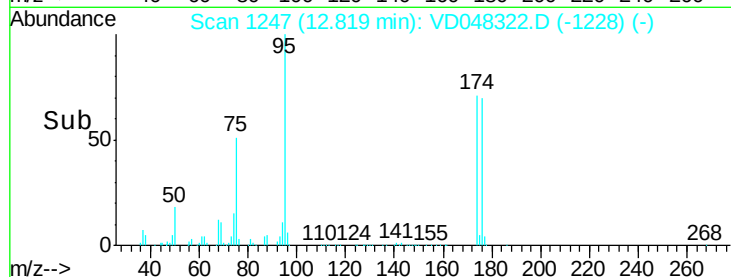
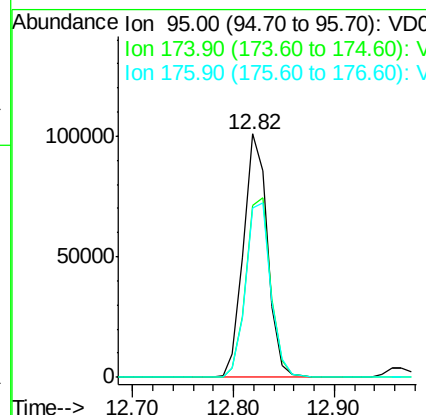
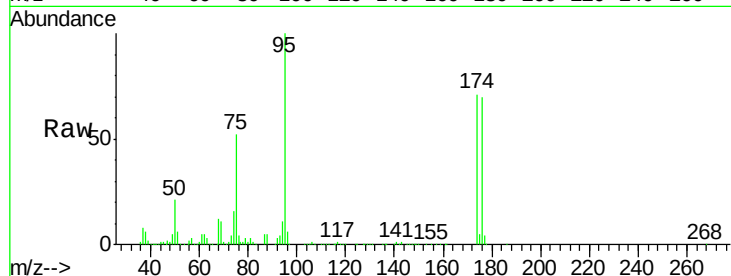




#61
4-Bromofluorobenzene
Concen: 21.01 ug/l
RT: 12.82 min Scan# 1247
Delta R.T. -0.01 min
Lab File: VD048322.D
Acq: 6 Jan 2016 15:20

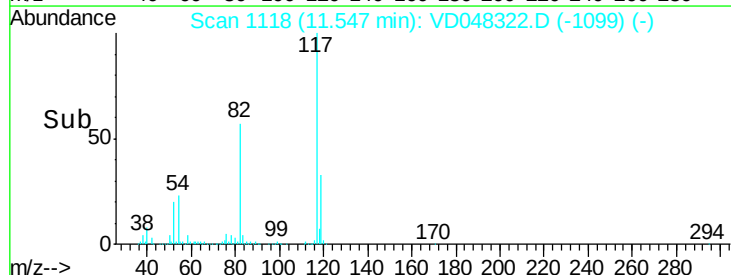
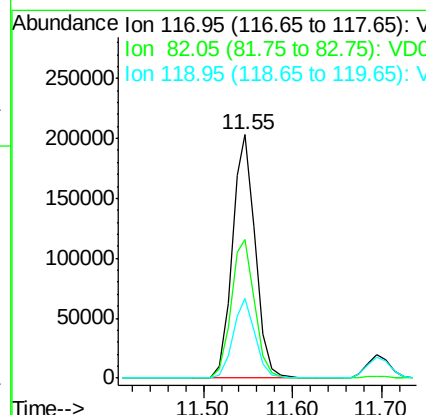
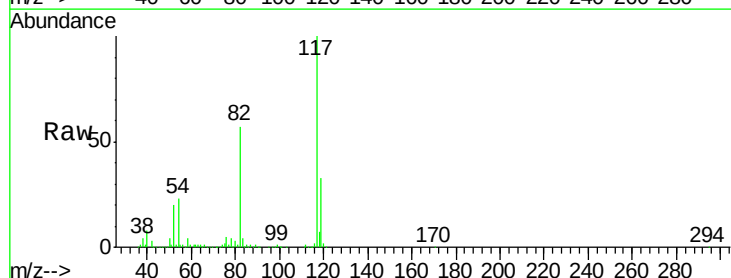
Instrument :
BNA_F
ClientSampleId :

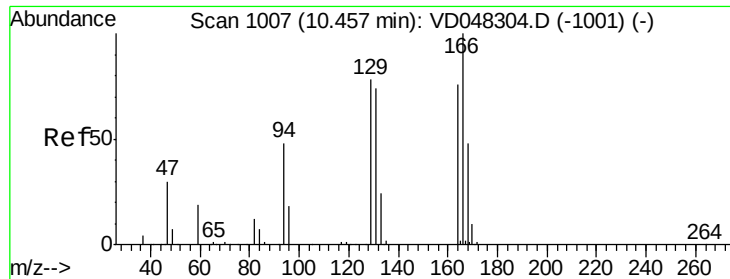
Tot Ion: 95 Resp: 167456
Ion Ratio Lower Upper
95 100
174 70.5 0.0 156.2
176 69.7 0.0 147.4



#62
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.55 min Scan# 1118
Delta R.T. -0.01 min
Lab File: VD048322.D
Acq: 6 Jan 2016 15:20

Tgt Ion: 117 Resp: 367933
Ion Ratio Lower Upper
117 100
82 56.9 46.8 70.2
119 32.7 26.1 39.1





#63

Tetrachloroethene

Concen: 18.06 ug/l

RT: 10.43 min Scan# 1005

Delta R.T. -0.02 min

Lab File: VD048322.D

Acq: 6 Jan 2016 15:20

Instrument :

BNA_F

ClientSampleId :

Tot Ion:164 Resp: 41160

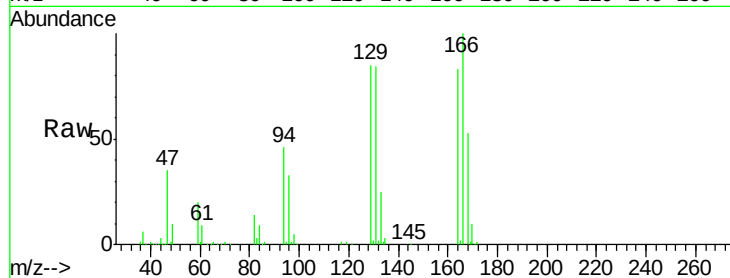
Ion Ratio Lower Upper

164 100

166 119.9 103.9 155.9

129 101.7 78.9 118.3

131 100.2 77.0 115.6

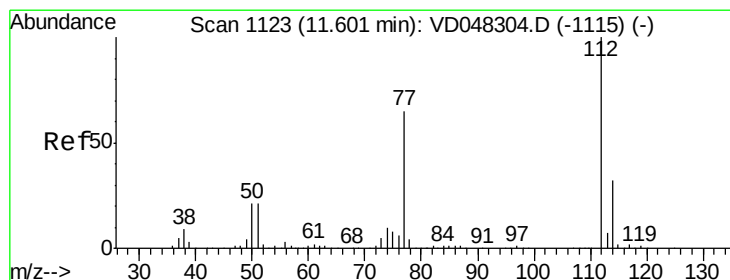
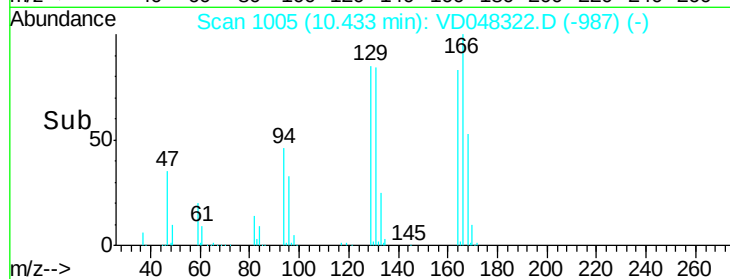
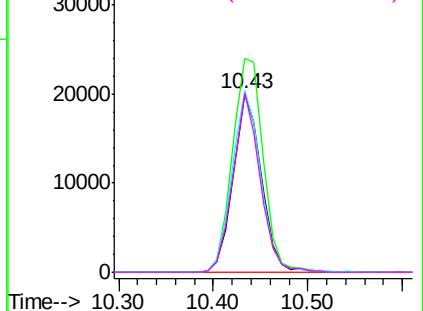


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.85 (165.55 to 166.55): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#64

Chlorobenzene

Concen: 19.38 ug/l

RT: 11.58 min Scan# 1121

Delta R.T. -0.02 min

Lab File: VD048322.D

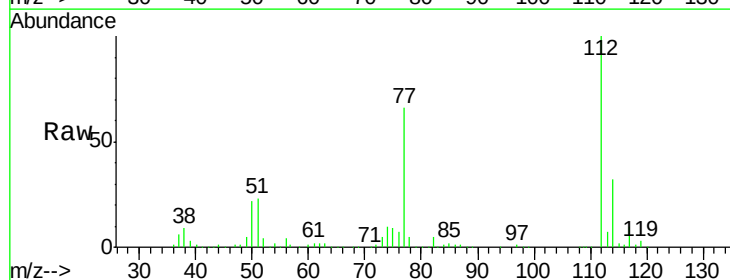
Acq: 6 Jan 2016 15:20

Tgt Ion:112 Resp: 142130

Ion Ratio Lower Upper

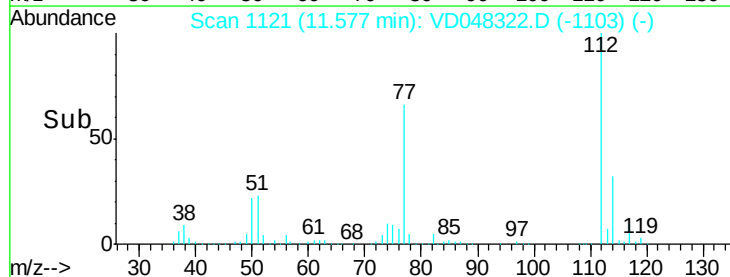
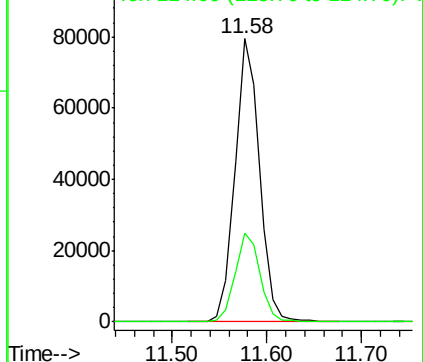
112 100

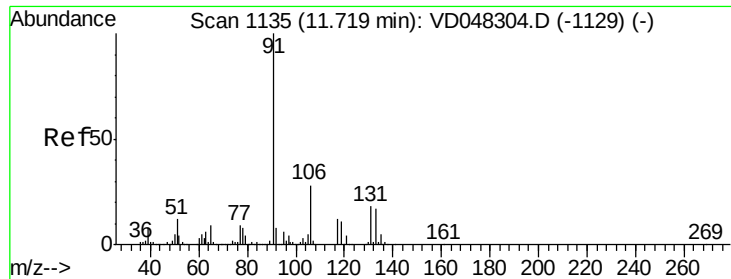
114 31.6 26.1 39.1



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V





#65

1,1,1,2-Tetrachloroethane

Concen: 18.38 ug/l

RT: 11.69 min Scan# 1133

Delta R.T. -0.02 min

Lab File: VD048322.D

Acq: 6 Jan 2016 15:20

Instrument :

BNA_F

ClientSampleId :

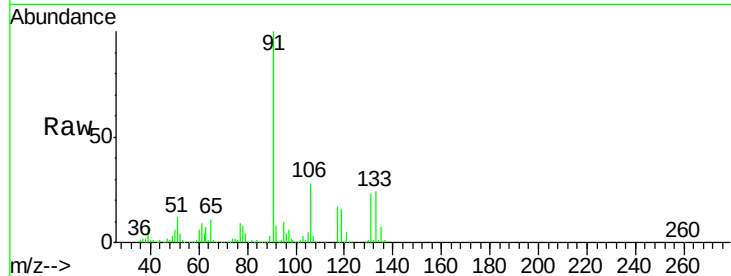
Tot Ion:131 Resp: 48086

Ion Ratio Lower Upper

131 100

133 106.3 47.5 142.6

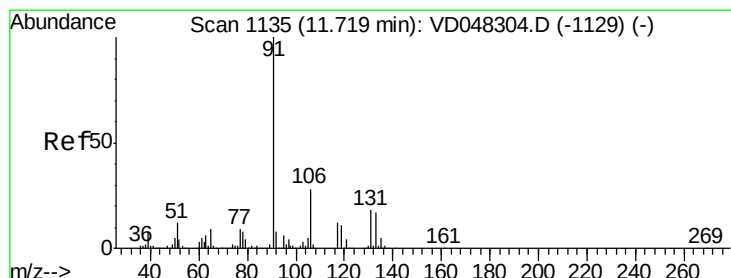
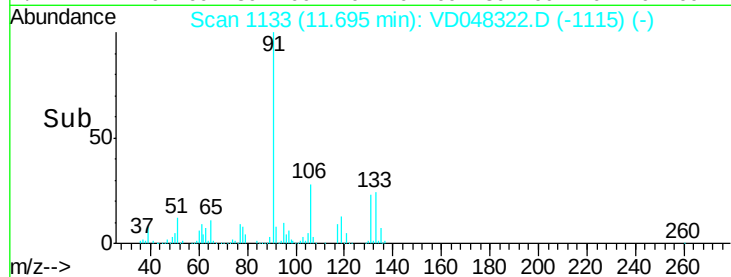
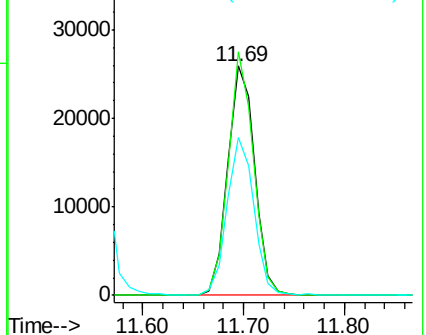
119 68.8 32.9 98.7



Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V



#66

Ethyl Benzene

Concen: 19.05 ug/l

RT: 11.70 min Scan# 1134

Delta R.T. -0.01 min

Lab File: VD048322.D

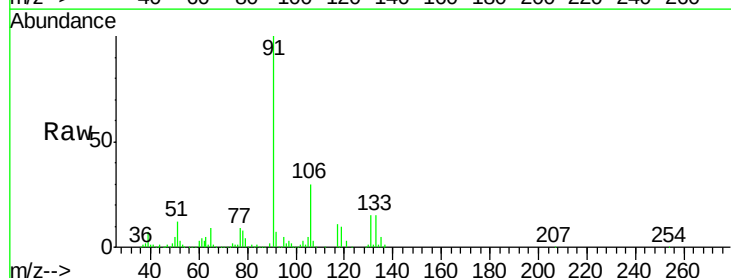
Acq: 6 Jan 2016 15:20

Tgt Ion: 91 Resp: 247147

Ion Ratio Lower Upper

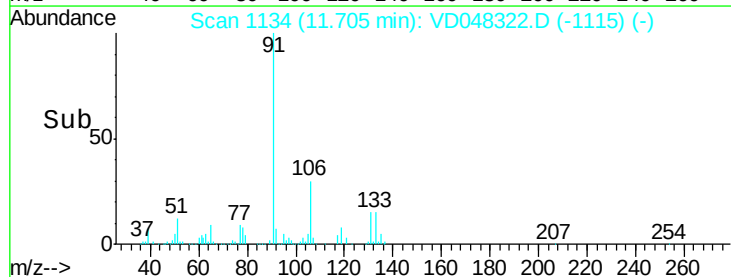
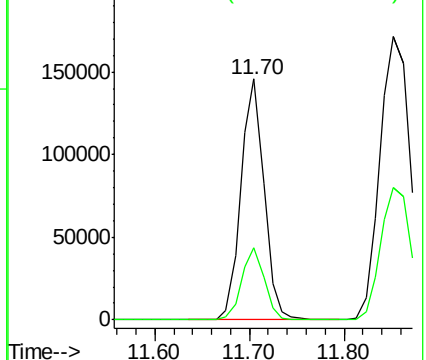
91 100

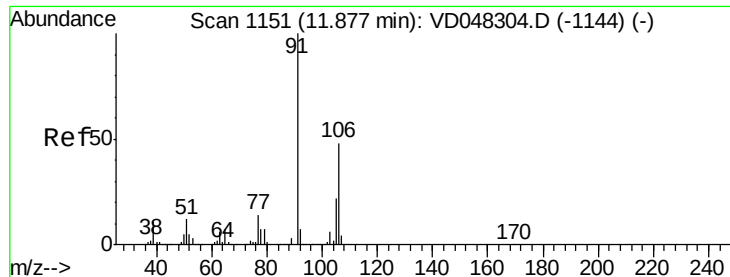
106 29.8 23.8 35.6



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.05 (105.75 to 106.75): V





#67

m/p-Xylenes

Concen: 38.71 ug/l

RT: 11.85 min Scan# 1149

Delta R.T. -0.02 min

Lab File: VD048322.D

Acq: 6 Jan 2016 15:20

Instrument :

BNA_F

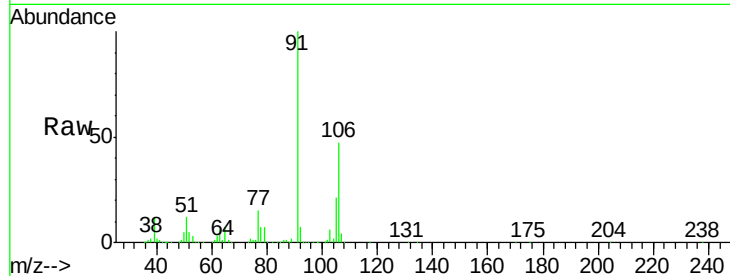
ClientSampleId :

Tot Ion:106 Resp: 177909

Ion Ratio Lower Upper

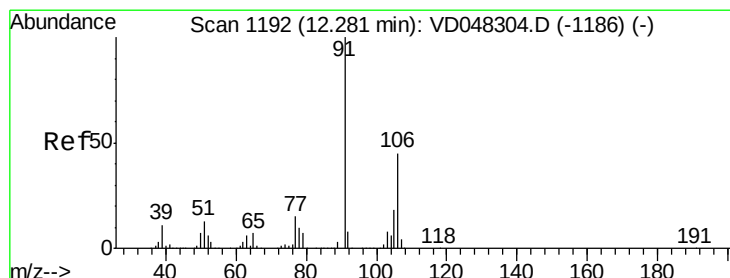
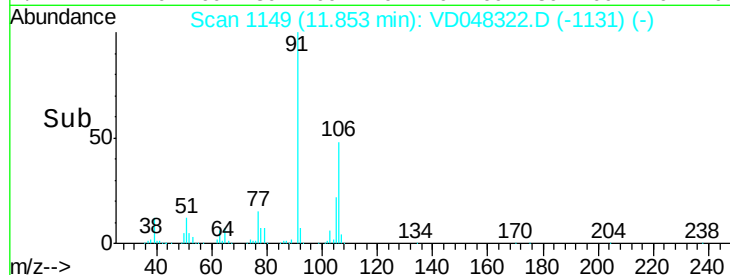
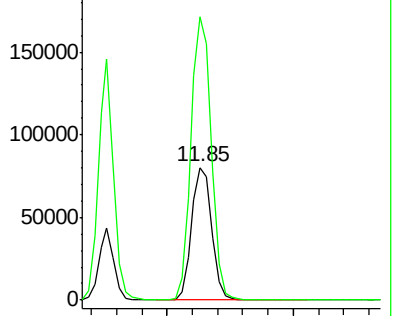
106 100

91 213.1 162.0 243.0



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): VDC



#68

o-Xylene

Concen: 19.49 ug/l

RT: 12.27 min Scan# 1191

Delta R.T. -0.01 min

Lab File: VD048322.D

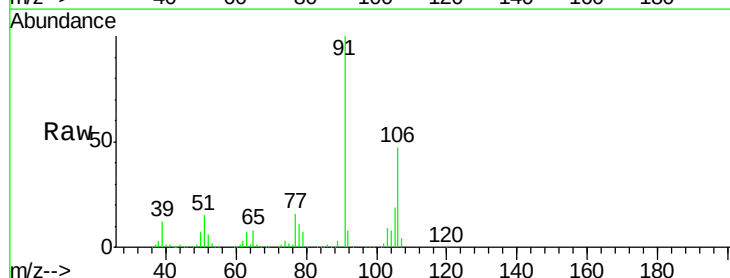
Acq: 6 Jan 2016 15:20

Tgt Ion:106 Resp: 86157

Ion Ratio Lower Upper

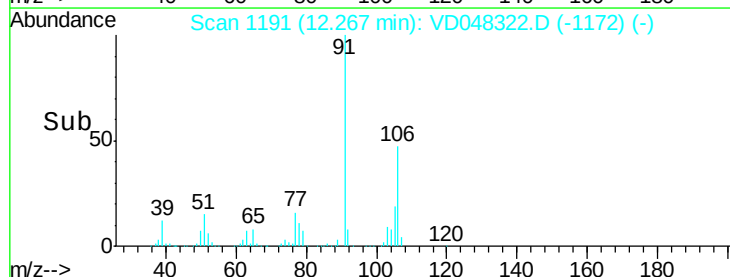
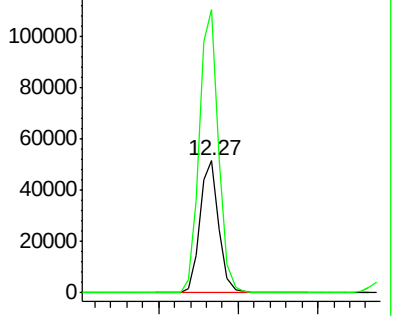
106 100

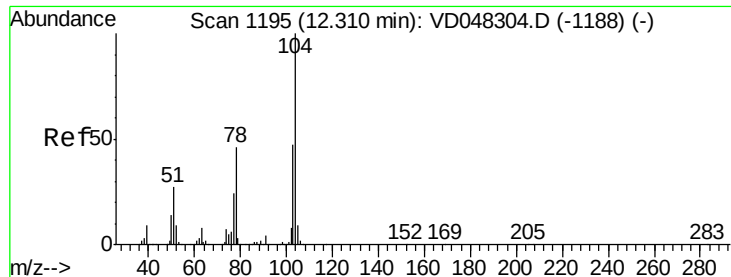
91 214.3 111.8 335.3



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): VDC





#69

Stvrene

Concen: 19.65 ug/l

RT: 12.29 min Scan# 1193

Delta R.T. -0.02 min

Lab File: VD048322.D

Acq: 6 Jan 2016 15:20

Instrument :

BNA_F

ClientSampleId :

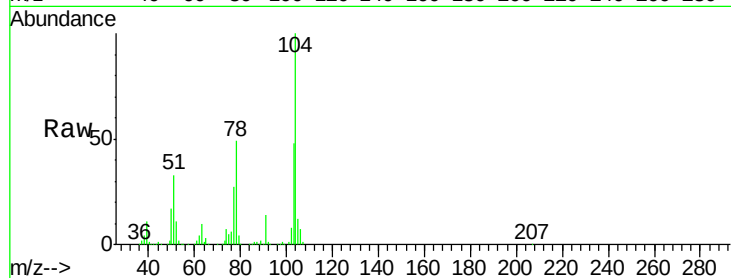
Tot Ion:104 Resp: 138970

Ion Ratio Lower Upper

104 100

78 48.6 37.5 56.3

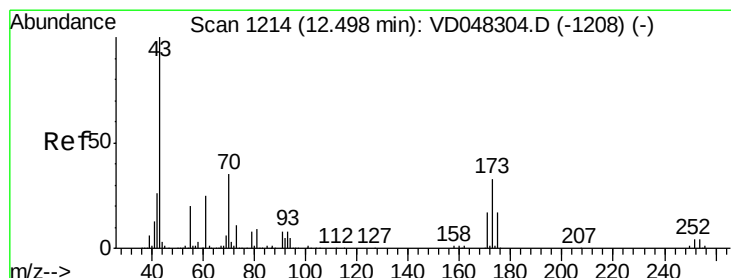
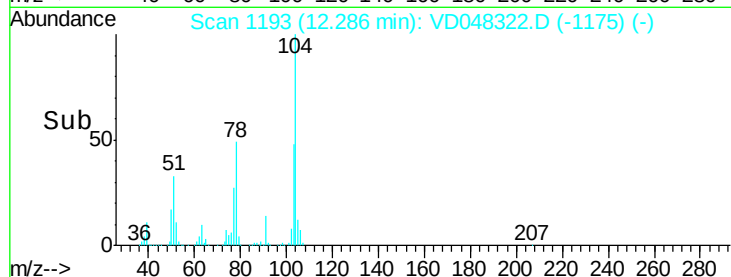
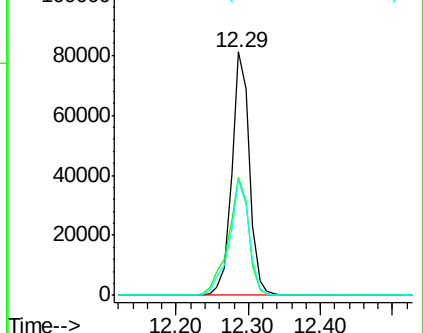
103 47.6 37.3 55.9



Abundance Ion 104.05 (103.75 to 104.75): V

Ion 77.95 (77.65 to 78.65): V

Ion 103.05 (102.75 to 103.75): V



#70

Bromoform

Concen: 20.10 ug/l

RT: 12.48 min Scan# 1213

Delta R.T. -0.01 min

Lab File: VD048322.D

Acq: 6 Jan 2016 15:20

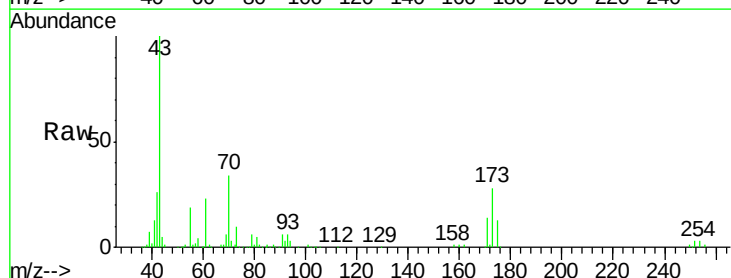
Tgt Ion:173 Resp: 25765

Ion Ratio Lower Upper

173 100

175 48.5 26.0 78.0

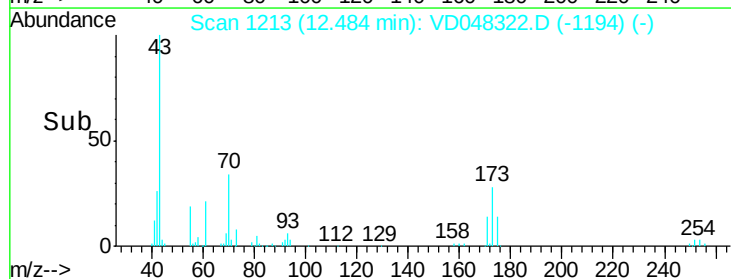
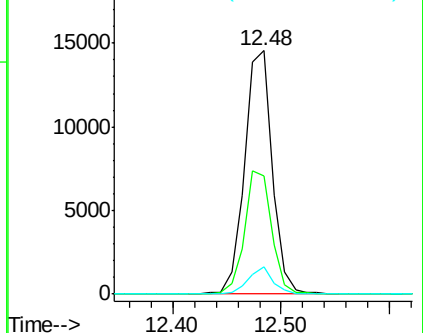
254 11.0 7.7 11.5

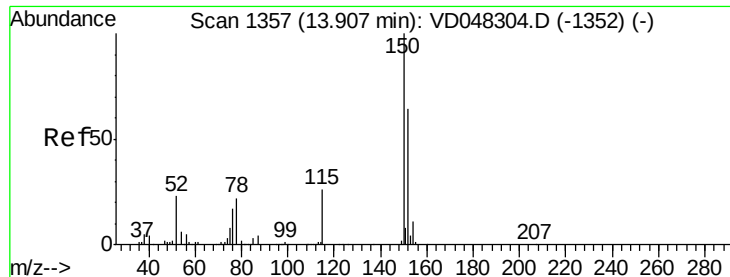


Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V

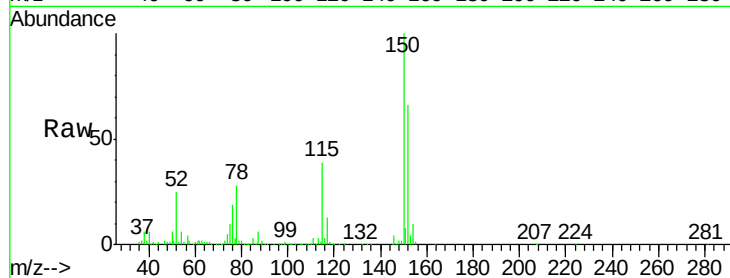




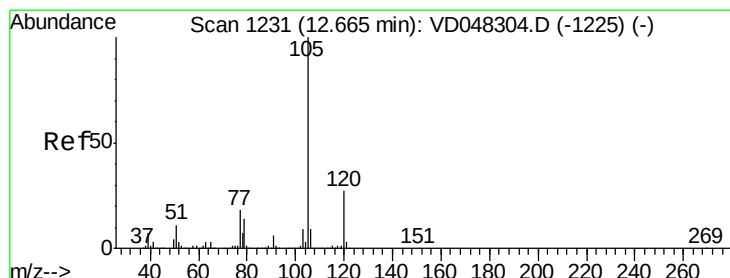
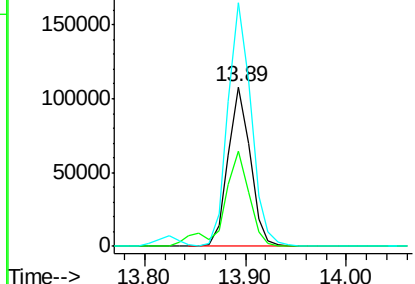
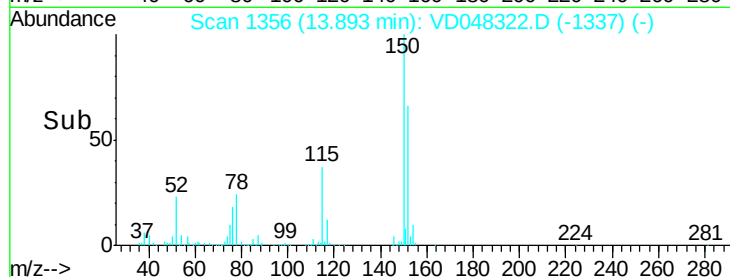
#71
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.89 min Scan# 1356
 Delta R.T. -0.01 min
 Lab File: VD048322.D
 Acq: 6 Jan 2016 15:20

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	59.8	32.4	97.2
150	152.6	0.0	314.6

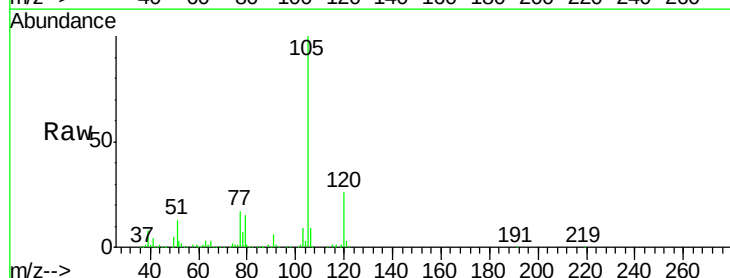


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 115.00 (114.70 to 115.70): V
 Ion 149.90 (149.60 to 150.60): V

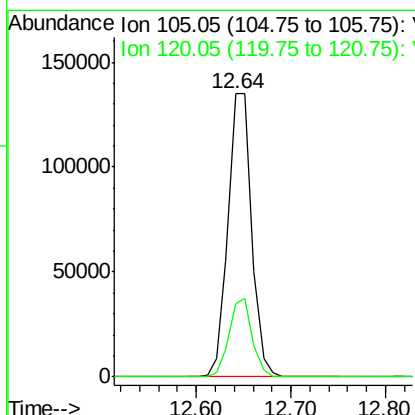
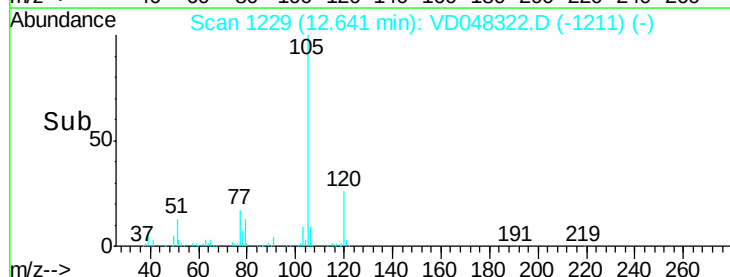


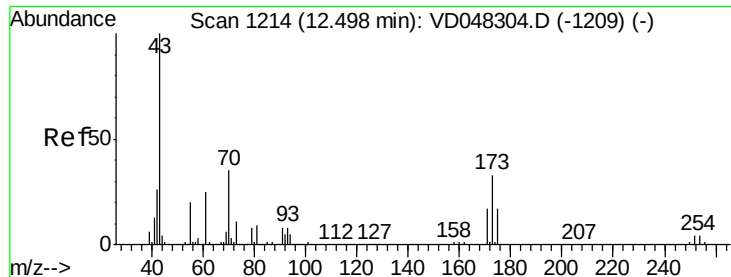
#72
 Isopropylbenzene
 Concen: 18.54 ug/l
 RT: 12.64 min Scan# 1229
 Delta R.T. -0.02 min
 Lab File: VD048322.D
 Acq: 6 Jan 2016 15:20

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.8	13.1	39.3



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





#73

N-amvl acetate

Concen: 22.54 ug/l

RT: 12.48 min Scan# 1213

Delta R.T. -0.01 min

Lab File: VD048322.D

Acq: 6 Jan 2016 15:20

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 43 Resp: 80405

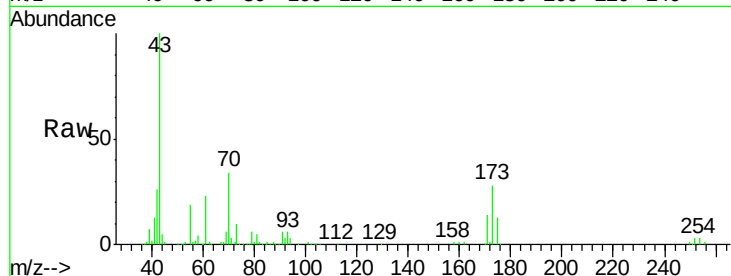
Ion Ratio Lower Upper

43 100

70 34.3 27.2 40.8

55 19.4 15.4 23.0

61 22.9 19.9 29.9

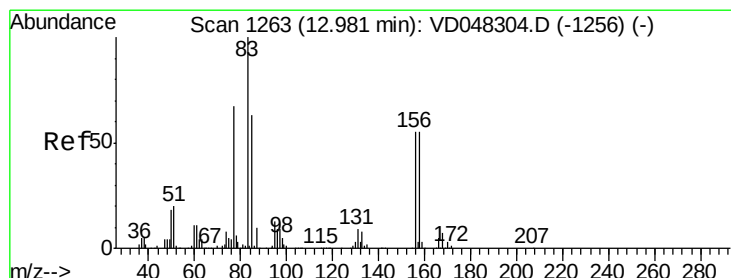
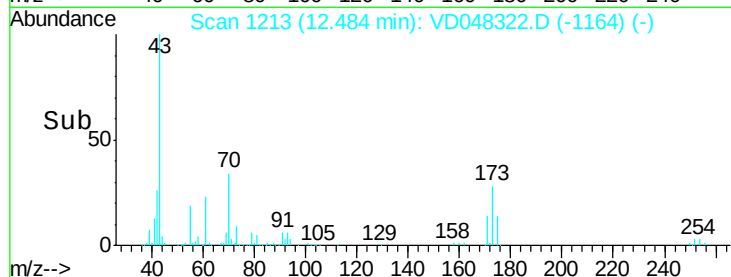
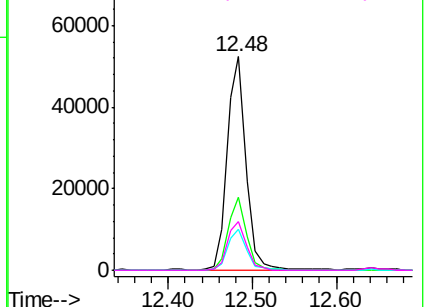


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC



#74

1,1,2,2-Tetrachloroethane

Concen: 22.34 ug/l

RT: 12.97 min Scan# 1262

Delta R.T. -0.01 min

Lab File: VD048322.D

Acq: 6 Jan 2016 15:20

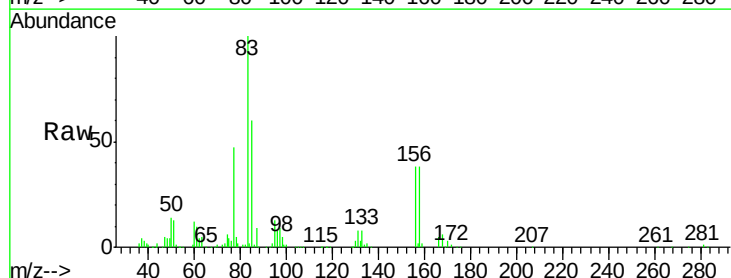
Tgt Ion: 83 Resp: 52480

Ion Ratio Lower Upper

83 100

131 7.6 4.3 13.1

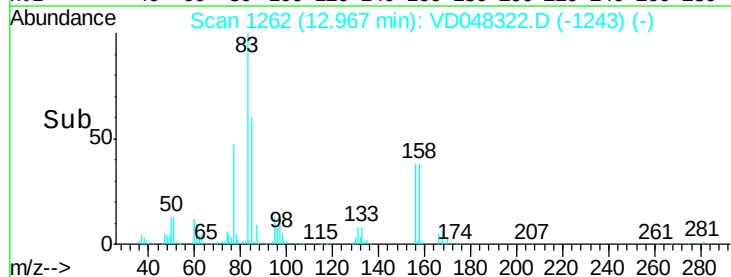
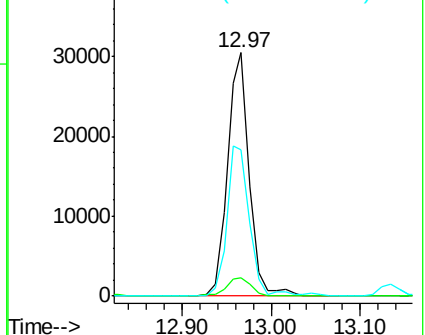
85 59.9 31.1 93.2

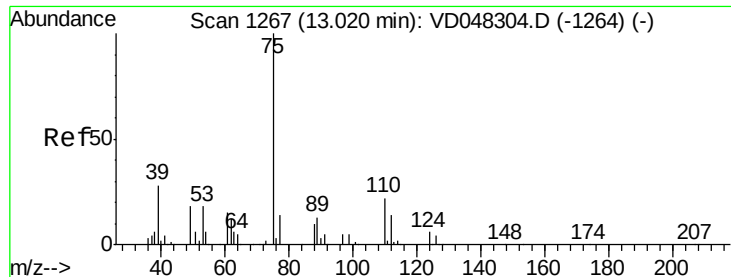


Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): V

Ion 84.95 (84.65 to 85.65): VDC





#75

1,2,3-Trichloropropane

Concen: 21.81 ug/l

RT: 13.01 min Scan# 1266

Delta R.T. -0.01 min

Lab File: VD048322.D

Acq: 6 Jan 2016 15:20

Instrument :

BNA_F

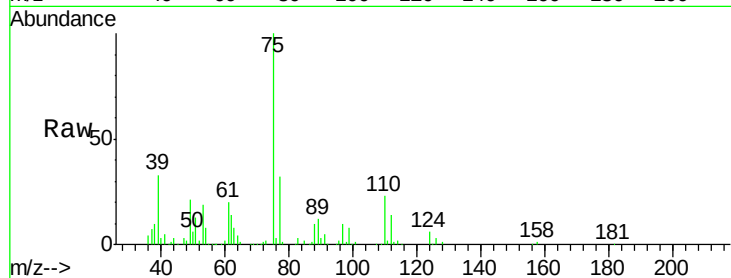
ClientSampleId :

Tot Ion: 75 Resp: 57334

Ion Ratio Lower Upper

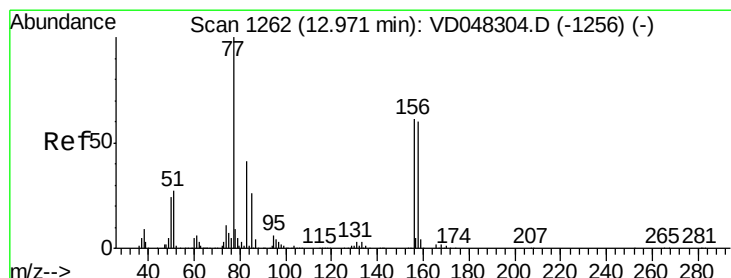
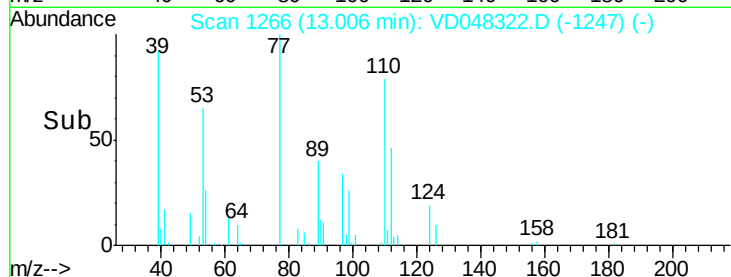
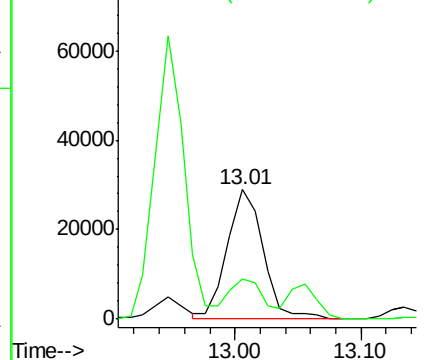
75 100

77 31.6 15.8 47.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#76

Bromobenzene

Concen: 19.02 ug/l

RT: 12.95 min Scan# 1260

Delta R.T. -0.02 min

Lab File: VD048322.D

Acq: 6 Jan 2016 15:20

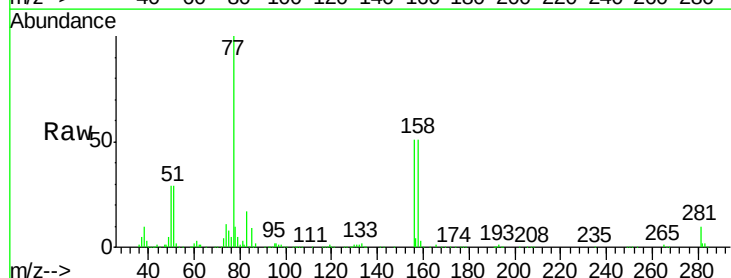
Tgt Ion: 156 Resp: 56202

Ion Ratio Lower Upper

156 100

77 196.6 87.5 262.4

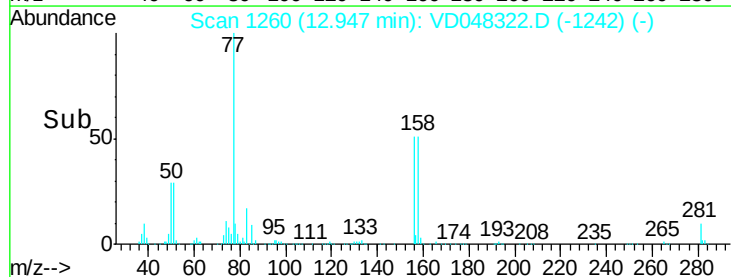
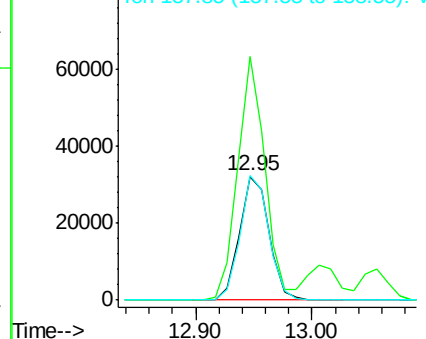
158 101.0 49.5 148.5

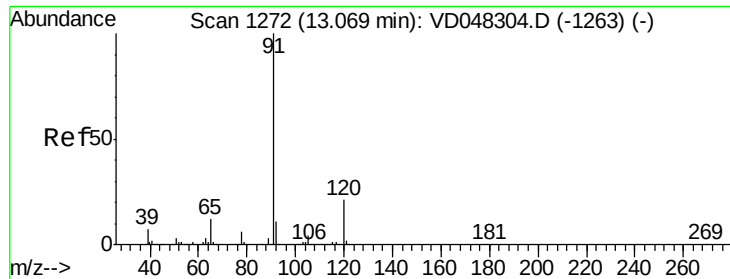


Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V





#77

n-propylbenzene

Concen: 18.62 ug/l

RT: 13.06 min Scan# 1271

Delta R.T. -0.01 min

Lab File: VD048322.D

Acq: 6 Jan 2016 15:20

Instrument :

BNA_F

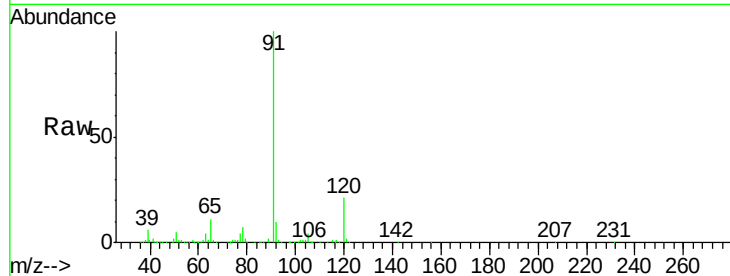
ClientSampleId :

Tot Ion: 91 Resp: 303602

Ion Ratio Lower Upper

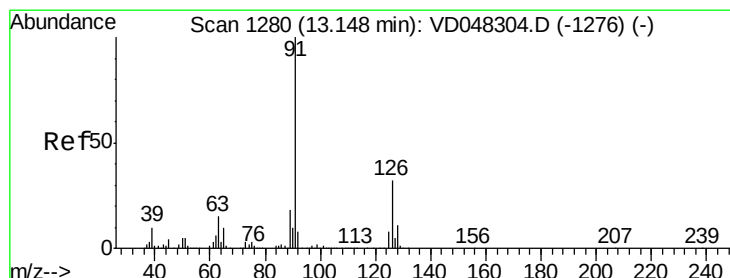
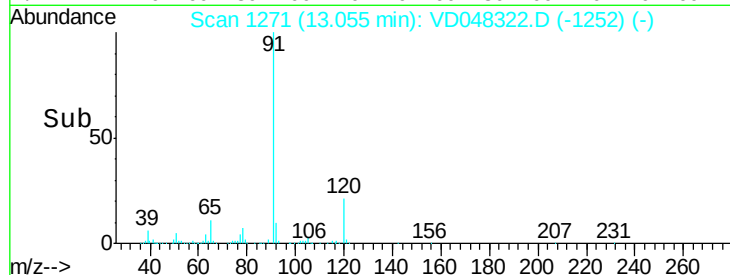
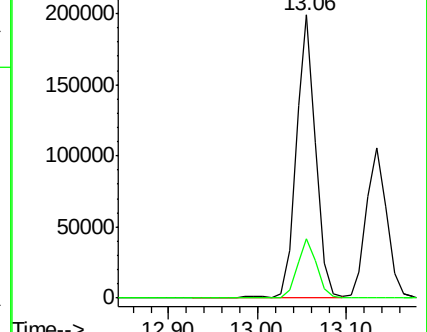
91 100

120 20.8 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: 18.28 ug/l

RT: 13.13 min Scan# 1279

Delta R.T. -0.01 min

Lab File: VD048322.D

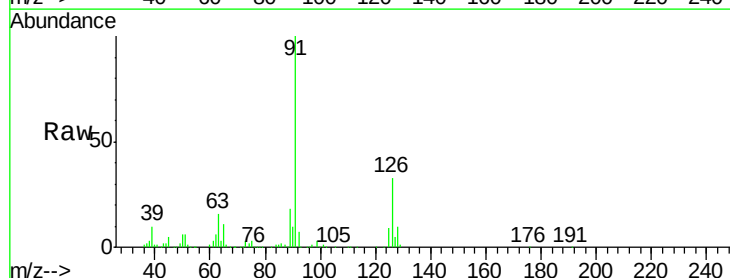
Acq: 6 Jan 2016 15:20

Tgt Ion: 91 Resp: 166659

Ion Ratio Lower Upper

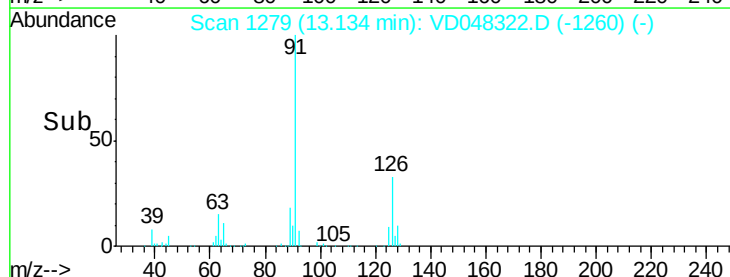
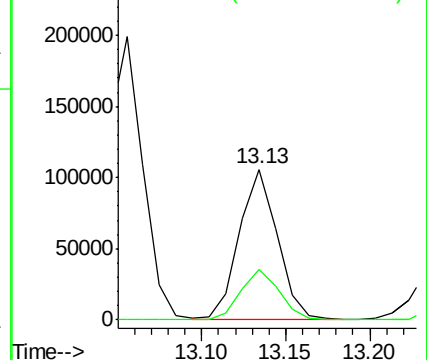
91 100

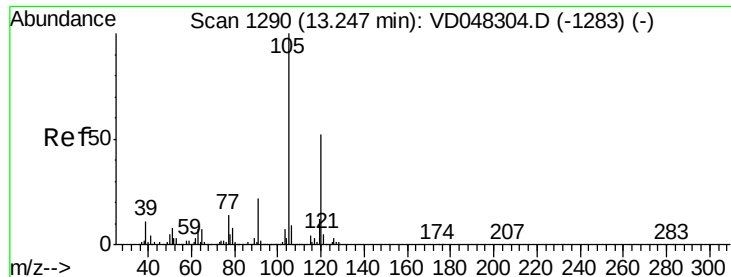
126 33.4 15.3 45.9



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: 18.73 ug/l

RT: 13.23 min Scan# 1289

Delta R.T. -0.01 min

Lab File: VD048322.D

Acq: 6 Jan 2016 15:20

Instrument :

BNA_F

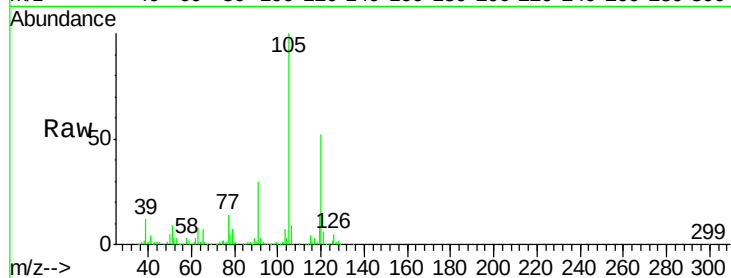
ClientSampleId :

Tot Ion:105 Resp: 184423

Ion Ratio Lower Upper

105 100

120 51.7 25.1 75.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.23

120000

100000

80000

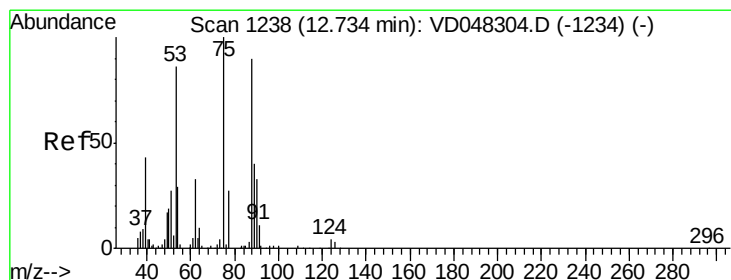
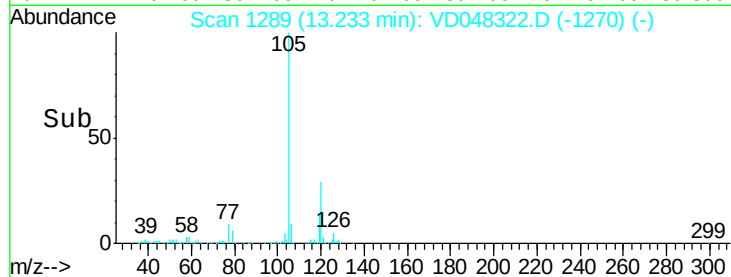
60000

40000

20000

0

Time--> 13.10 13.20 13.30 13.40



#80

trans-1,4-Dichloro-2-butene

Concen: 20.56 ug/l

RT: 12.72 min Scan# 1237

Delta R.T. -0.01 min

Lab File: VD048322.D

Acq: 6 Jan 2016 15:20

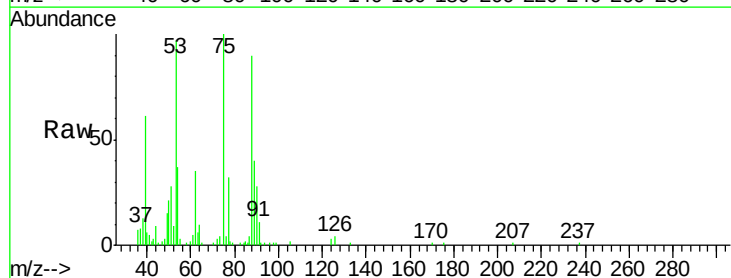
Tgt Ion: 75 Resp: 14408

Ion Ratio Lower Upper

75 100

53 97.0 77.8 116.8

89 39.5 32.6 49.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC

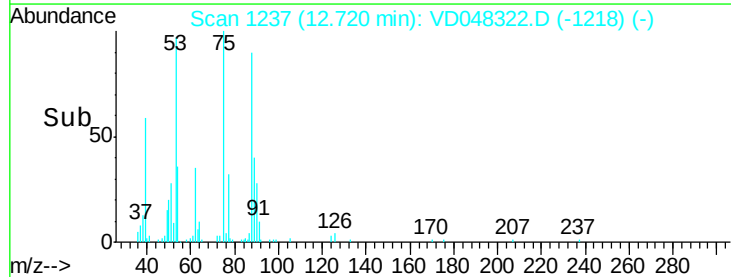
60000

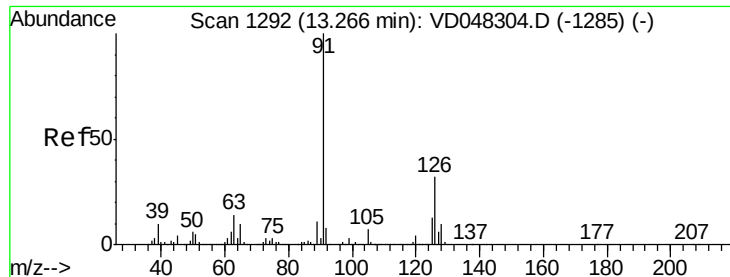
40000

20000

0

Time--> 12.65 12.70 12.75

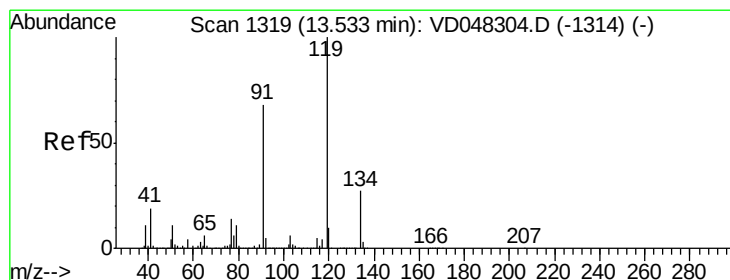
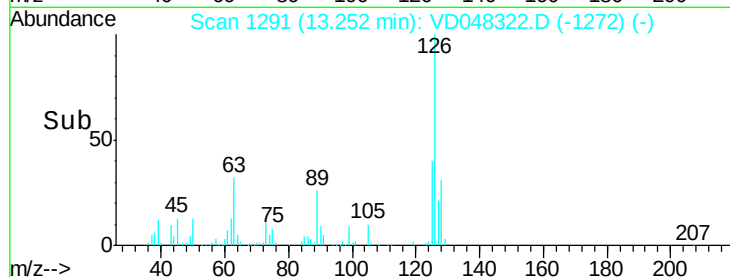
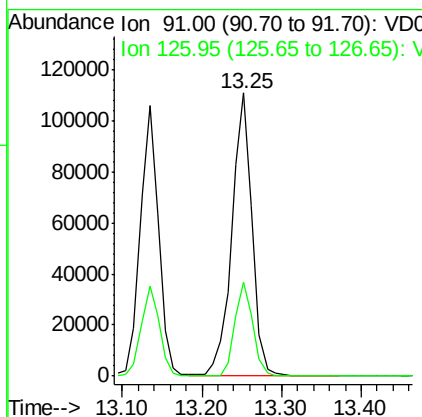
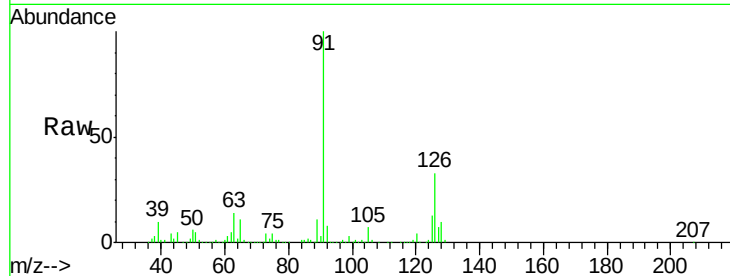




#81
4-Chlorotoluene
Concen: 18.69 ug/l
RT: 13.25 min Scan# 1291
Delta R.T. -0.01 min
Lab File: VD048322.D
Acq: 6 Jan 2016 15:20

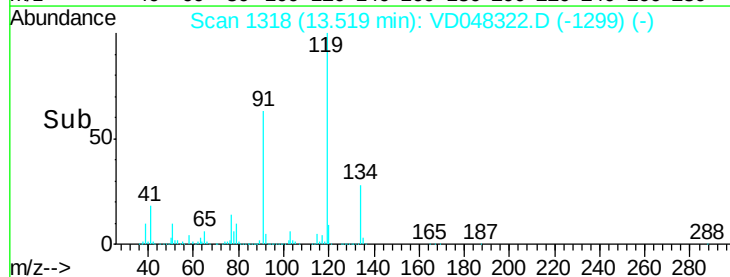
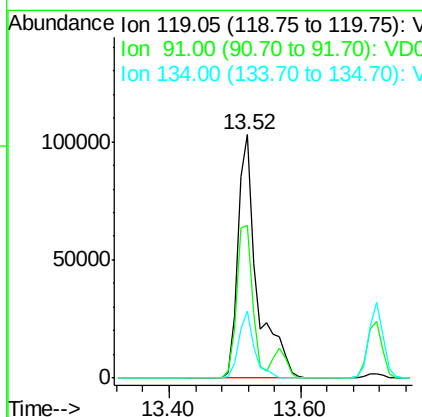
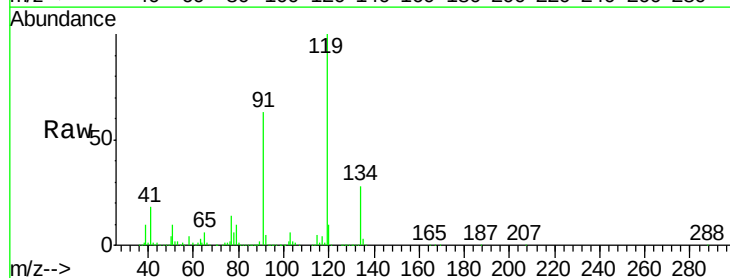
Instrument :
BNA_F
ClientSampleId :

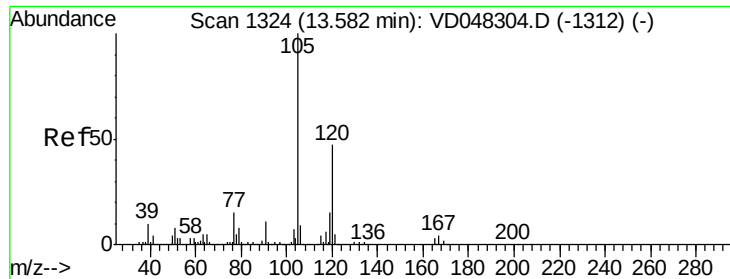
Tot Ion: 91 Resp: 196842
Ion Ratio Lower Upper
91 100
126 33.3 15.4 46.1



#82
tert-Butylbenzene
Concen: 22.17 ug/l
RT: 13.52 min Scan# 1318
Delta R.T. -0.01 min
Lab File: VD048322.D
Acq: 6 Jan 2016 15:20

Tgt Ion: 119 Resp: 211500
Ion Ratio Lower Upper
119 100
91 63.0 33.2 99.6
134 27.5 12.5 37.5





#83

1,2,4-Trimethylbenzene

Concen: 18.60 ug/l

RT: 13.57 min Scan# 1323

Delta R.T. -0.01 min

Lab File: VD048322.D

Acq: 6 Jan 2016 15:20

Instrument :

BNA_F

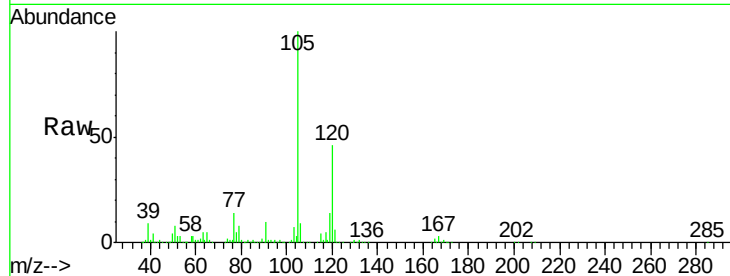
ClientSampleId :

Tot Ion:105 Resp: 188588

Ion Ratio Lower Upper

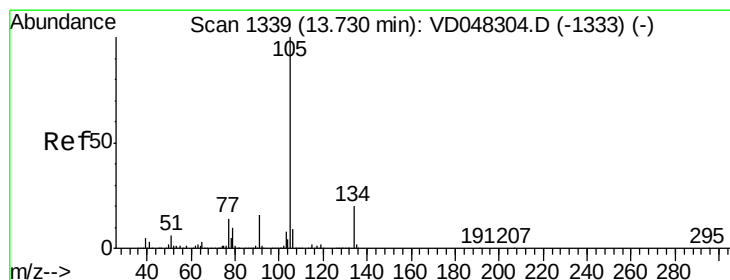
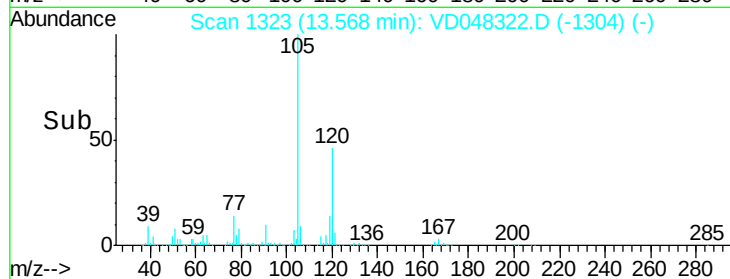
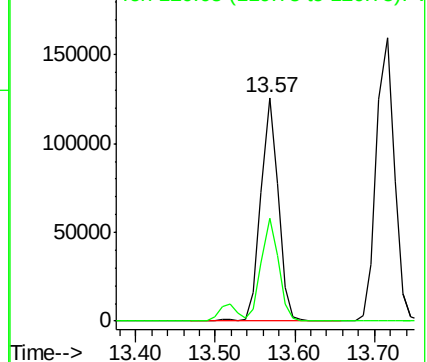
105 100

120 46.3 22.6 67.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#84

sec-Butylbenzene

Concen: 18.19 ug/l

RT: 13.72 min Scan# 1338

Delta R.T. -0.01 min

Lab File: VD048322.D

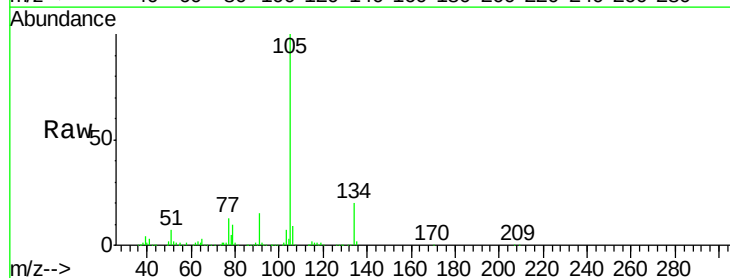
Acq: 6 Jan 2016 15:20

Tgt Ion:105 Resp: 246170

Ion Ratio Lower Upper

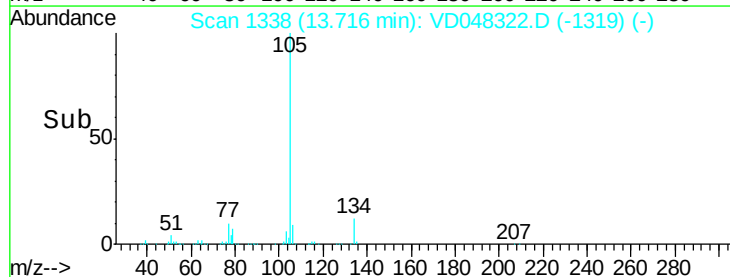
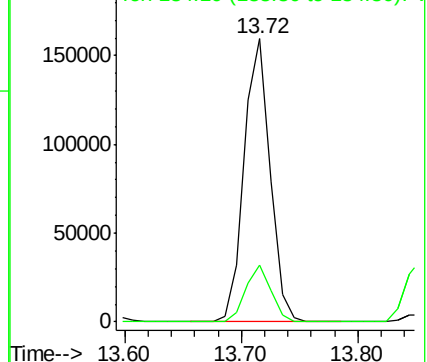
105 100

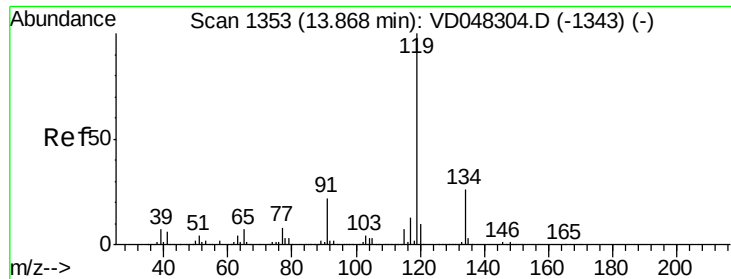
134 20.2 9.4 28.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V

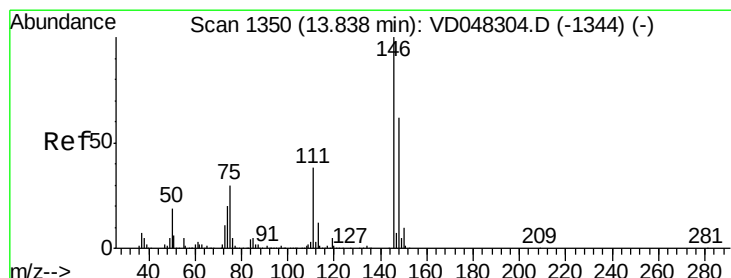
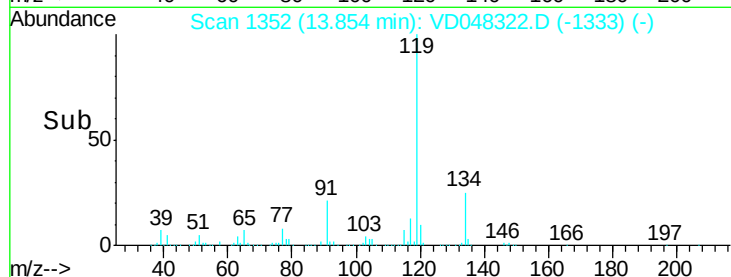
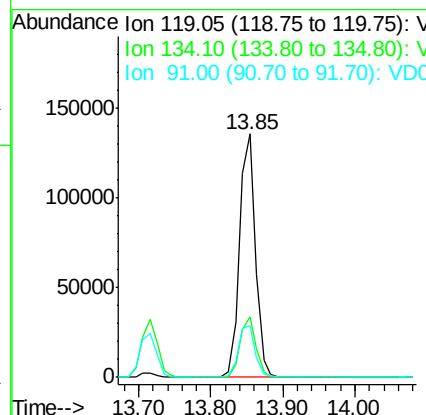
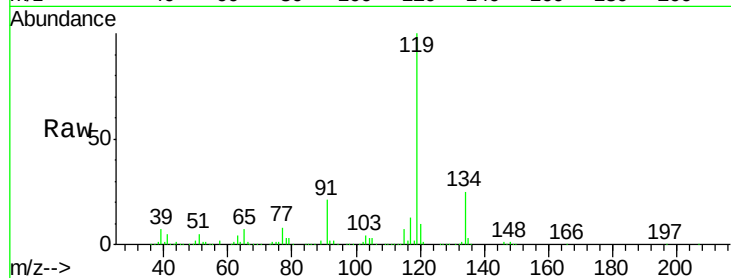




#85
 p-Isopropyltoluene
 Concen: 18.64 ug/l
 RT: 13.85 min Scan# 1352
 Delta R.T. -0.01 min
 Lab File: VD048322.D
 Acq: 6 Jan 2016 15:20

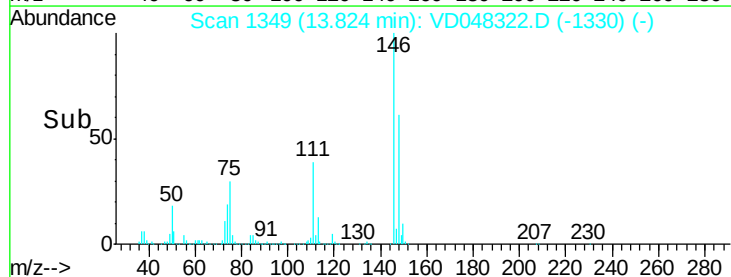
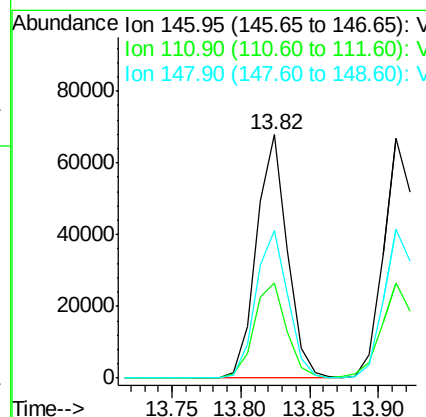
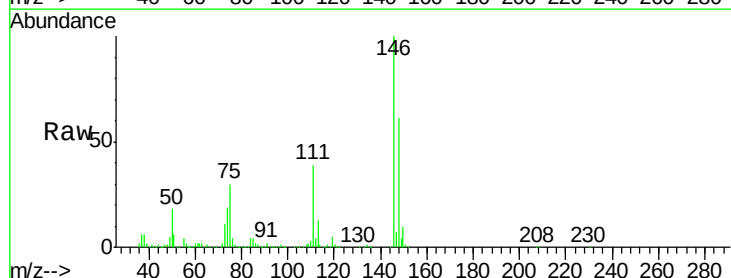
Instrument :
 BNA_F
 ClientSampleId :

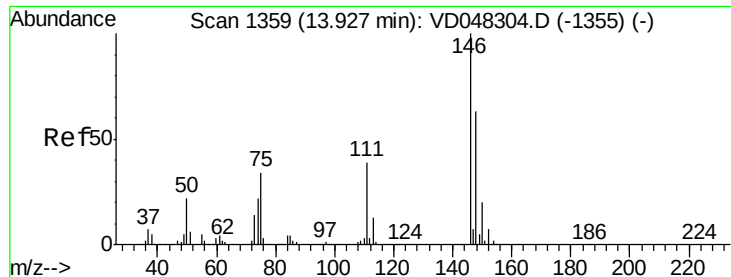
Tot Ion	Ratio	Lower	Upper
119	100		
134	25.0	12.5	37.5
91	21.3	11.2	33.5



#86
 1,3-Dichlorobenzene
 Concen: 18.82 ug/l
 RT: 13.82 min Scan# 1349
 Delta R.T. -0.01 min
 Lab File: VD048322.D
 Acq: 6 Jan 2016 15:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	20.5	61.6
148	60.8	31.4	94.0

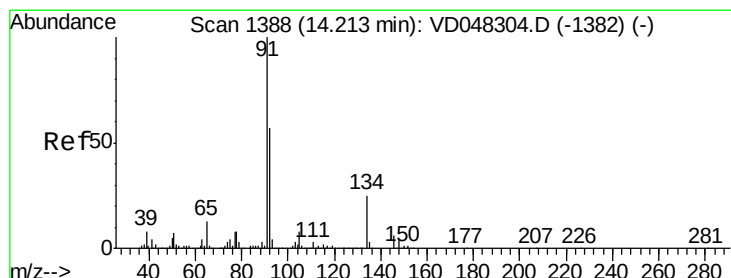
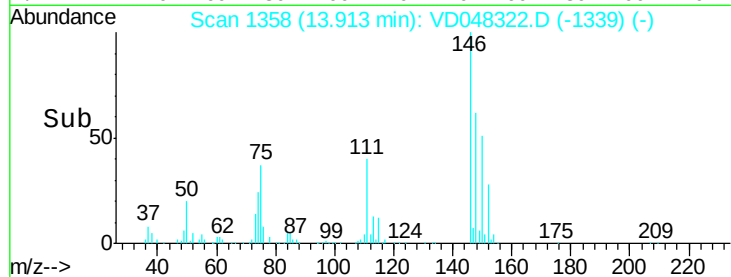
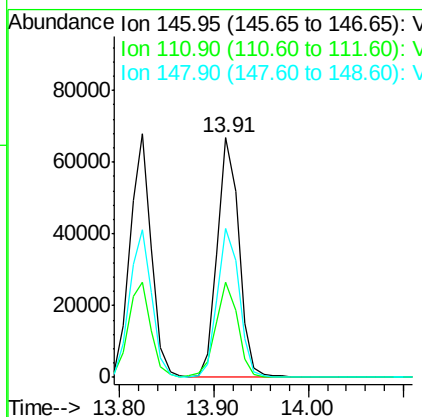
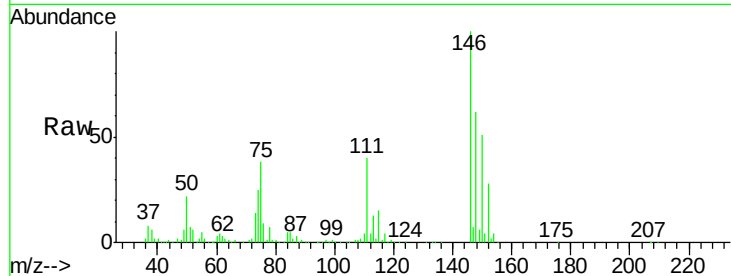




#87
 1,4-Dichlorobenzene
 Concen: 18.87 ug/l
 RT: 13.91 min Scan# 1358
 Delta R.T. -0.01 min
 Lab File: VD048322.D
 Acq: 6 Jan 2016 15:20

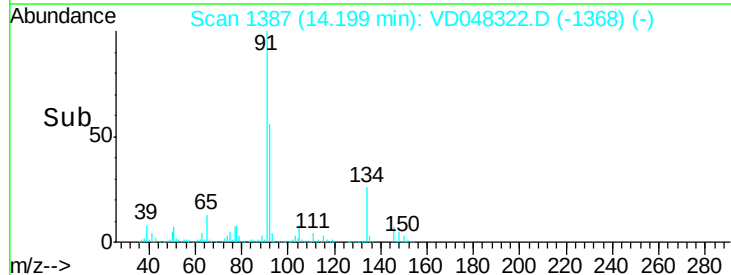
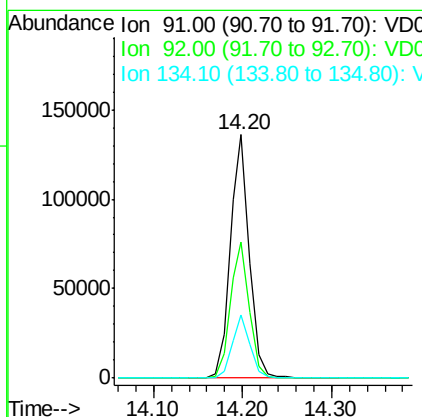
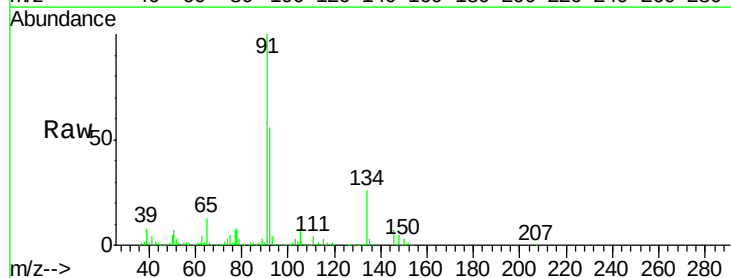
Instrument :
 BNA_F
 ClientSampled :

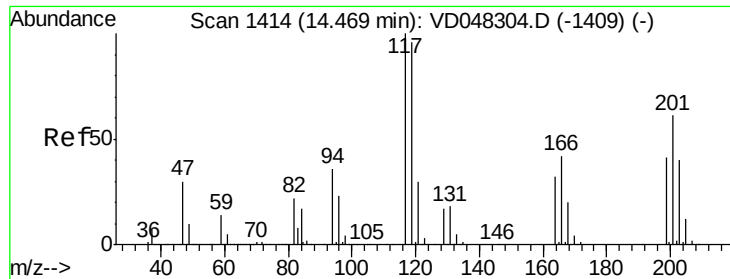
Tot Ion:146 Resp: 106620
 Ion Ratio Lower Upper
 146 100
 111 40.0 18.4 55.2
 148 62.4 32.1 96.5



#88
 n-Butylbenzene
 Concen: 18.12 ug/l
 RT: 14.20 min Scan# 1387
 Delta R.T. -0.01 min
 Lab File: VD048322.D
 Acq: 6 Jan 2016 15:20

Tgt Ion: 91 Resp: 203992
 Ion Ratio Lower Upper
 91 100
 92 56.0 28.8 86.5
 134 25.7 11.7 35.0





#89

Hexachloroethane

Concen: 16.51 ug/l

RT: 14.45 min Scan# 1413

Delta R.T. -0.01 min

Lab File: VD048322.D

Acq: 6 Jan 2016 15:20

Instrument :

BNA_F

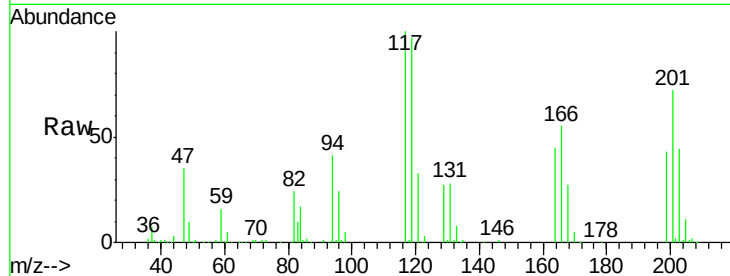
ClientSampleId :

Tot Ion:117 Resp: 37894

Ion Ratio Lower Upper

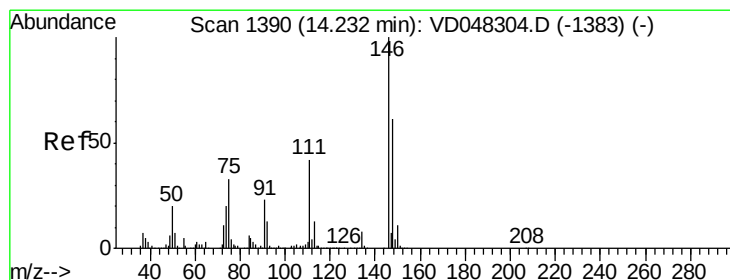
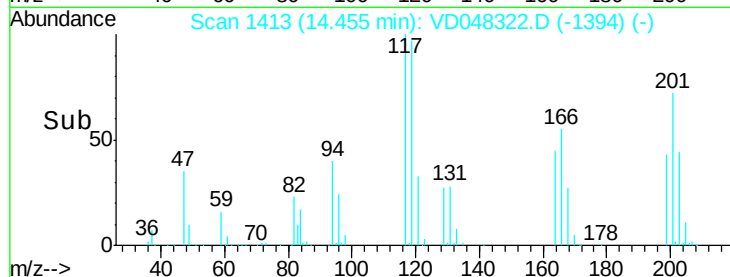
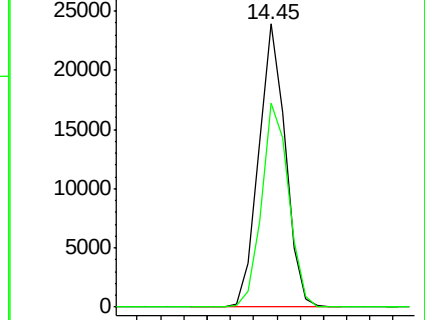
117 100

201 72.1 28.5 85.5



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V



#90

1,2-Dichlorobenzene

Concen: 19.13 ug/l

RT: 14.22 min Scan# 1389

Delta R.T. -0.01 min

Lab File: VD048322.D

Acq: 6 Jan 2016 15:20

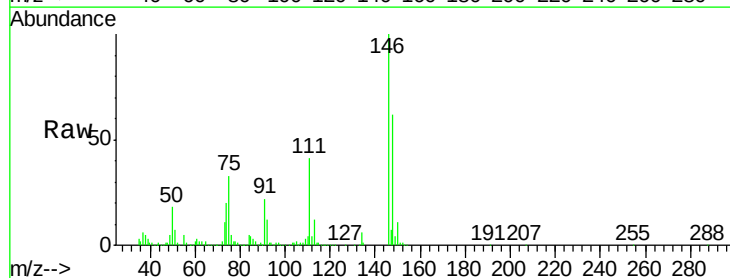
Tgt Ion:146 Resp: 95208

Ion Ratio Lower Upper

146 100

111 41.3 22.0 66.0

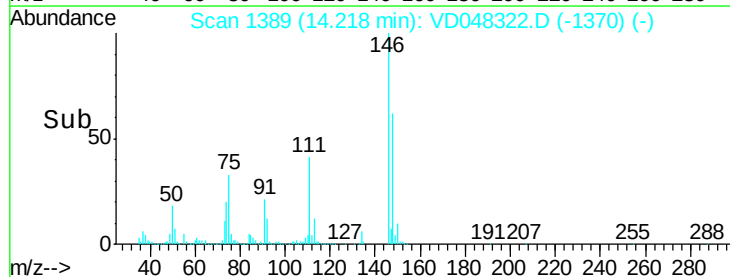
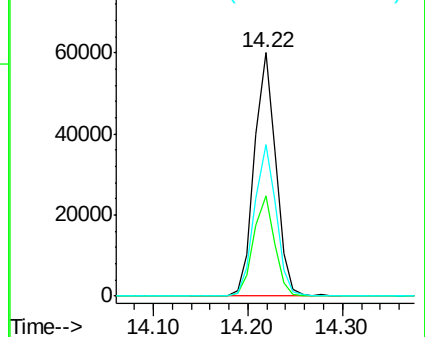
148 62.3 32.0 96.2

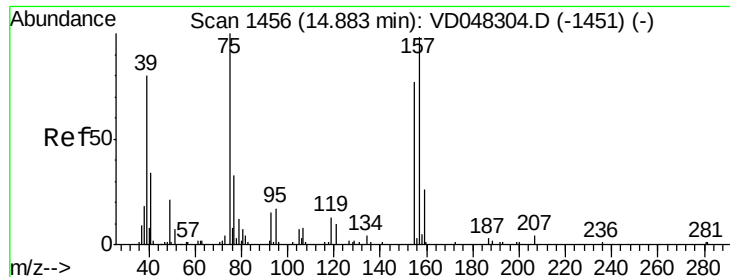


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#91

1,2-Dibromo-3-Chloropropane

Concen: 21.23 ug/l

RT: 14.87 min Scan# 1455

Delta R.T. -0.01 min

Lab File: VD048322.D

Acq: 6 Jan 2016 15:20

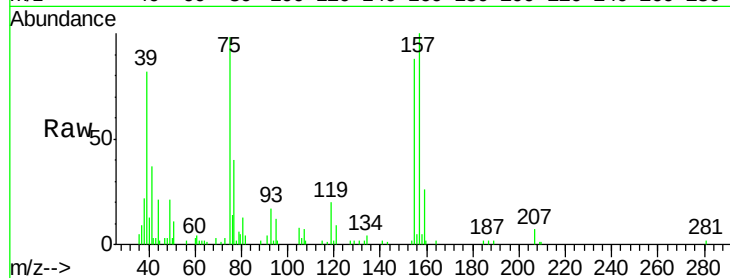
Instrument :

BNA_F

ClientSampled :

Tot Ion: 75 Resp: 6491

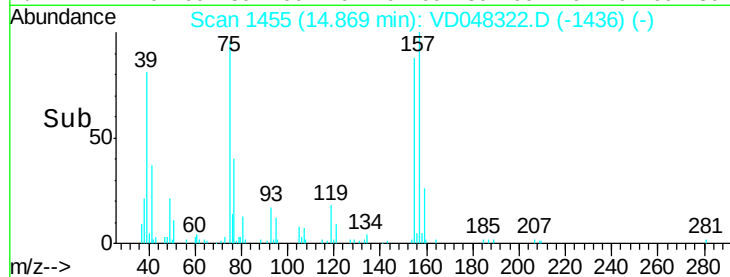
Ion	Ratio	Lower	Upper
75	100		
155	89.7	38.2	114.6
157	102.4	50.5	151.6



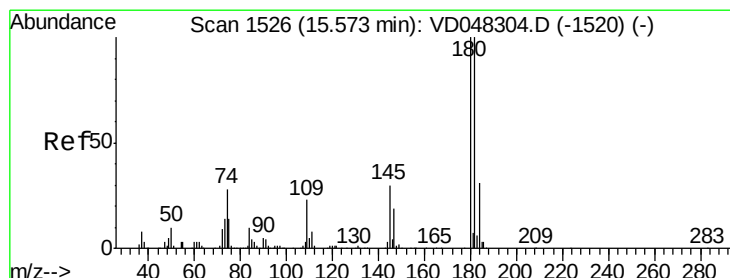
Abundance Ion 75.00 (74.70 to 75.70): VD048322.D (-1436) (-)

Ion 154.90 (154.60 to 155.60): VD048322.D (-1436) (-)

Ion 156.85 (156.55 to 157.55): VD048322.D (-1436) (-)



Time-->



#92

1,2,4-Trichlorobenzene

Concen: 19.56 ug/l

RT: 15.55 min Scan# 1524

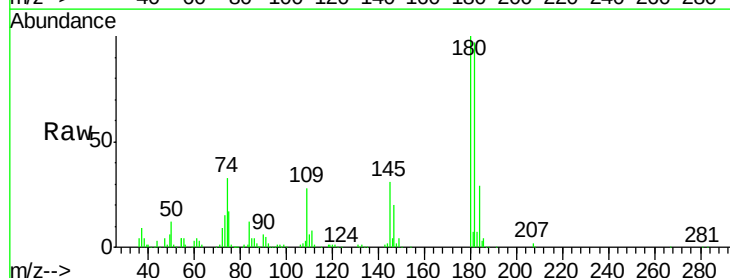
Delta R.T. -0.02 min

Lab File: VD048322.D

Acq: 6 Jan 2016 15:20

Tgt Ion: 180 Resp: 58465

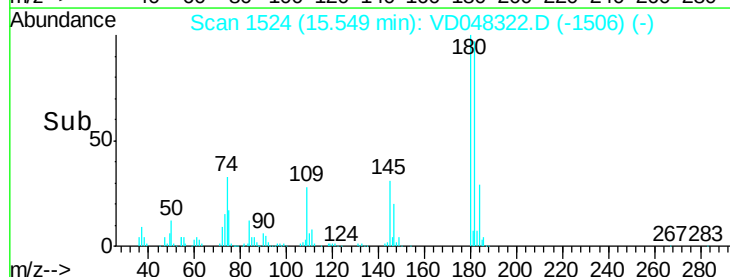
Ion	Ratio	Lower	Upper
180	100		
182	96.6	46.6	139.8
145	31.5	14.9	44.7



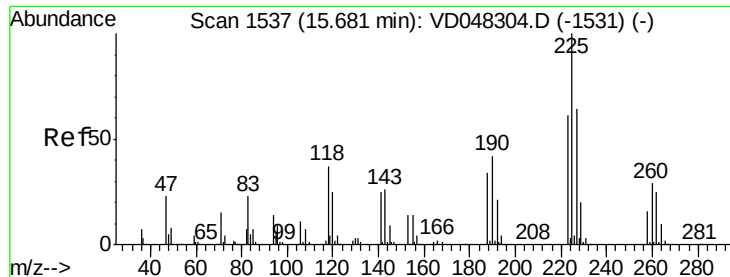
Abundance Ion 179.85 (179.55 to 180.55): VD048322.D (-1506) (-)

Ion 181.85 (181.55 to 182.55): VD048322.D (-1506) (-)

Ion 144.95 (144.65 to 145.65): VD048322.D (-1506) (-)



Time-->



#93

Hexachlorobutadiene

Concen: 18.37 ug/l

RT: 15.66 min Scan# 1535

Delta R.T. -0.02 min

Lab File: VD048322.D

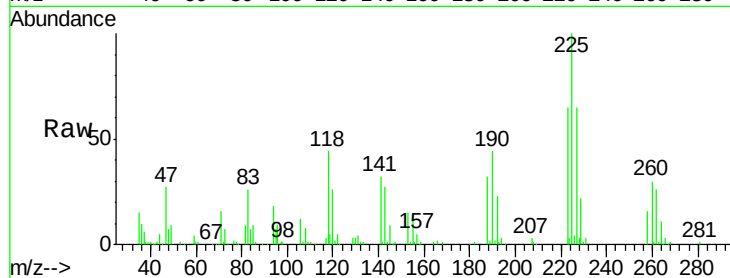
Acq: 6 Jan 2016 15:20

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	225	Resp:	36373
Ion	Ratio	Lower	Upper
225	100		
223	64.8	31.8	95.3
227	64.6	30.4	91.2

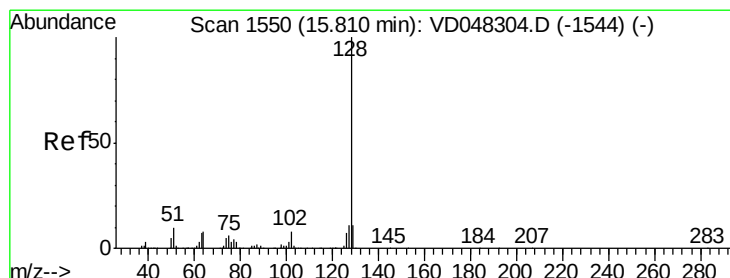
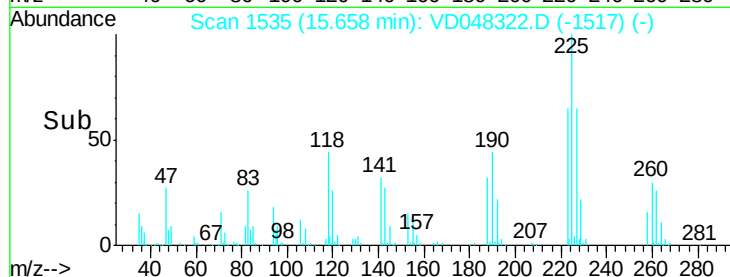
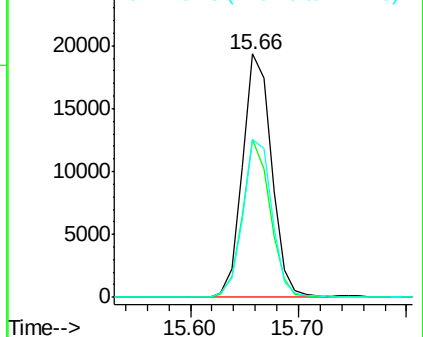


Abundance

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: 22.27 ug/l

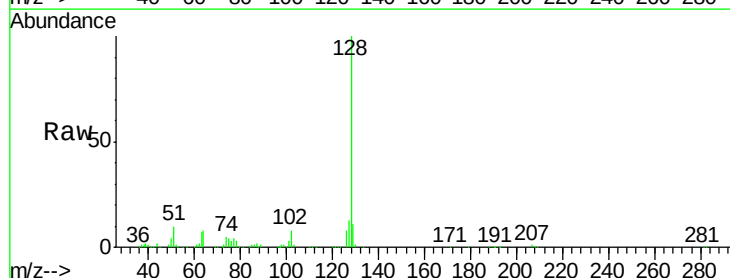
RT: 15.80 min Scan# 1549

Delta R.T. -0.01 min

Lab File: VD048322.D

Acq: 6 Jan 2016 15:20

Tgt Ion:	128	Resp:	114729
Ion	Ratio	Lower	Upper
128	100		
127	13.3	9.7	14.5
129	11.0	8.2	12.2

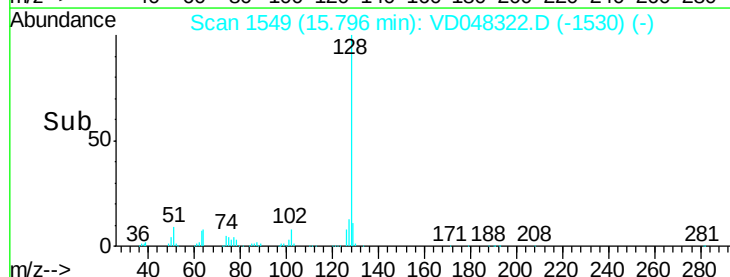
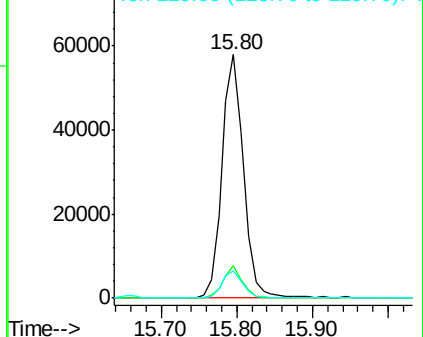


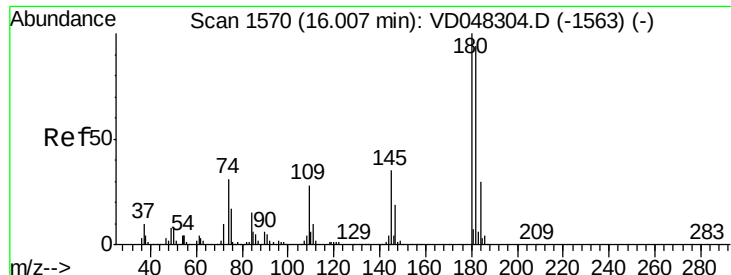
Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#95

1,2,3-Trichlorobenzene

Concen: 20.19 ug/l

RT: 15.99 min Scan# 1569

Delta R.T. -0.01 min

Lab File: VD048322.D

Acq: 6 Jan 2016 15:20

Instrument :

BNA_F

ClientSampleId :

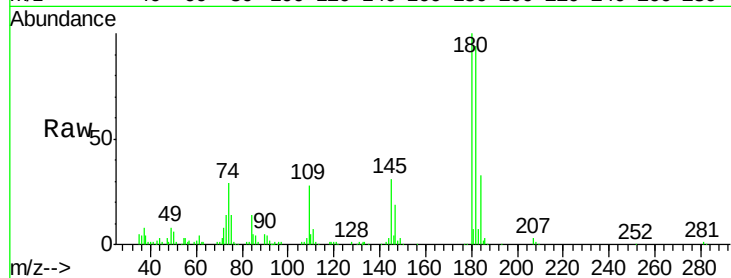
Tot Ion:180 Resp: 49479

Ion Ratio Lower Upper

180 100

182 94.2 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

