

Data Path : W:\HPCHEM1\MSVOA D\DATA\VD091815\
 Data File : VD046778.D
 Acq On : 18 Sep 2015 11:30
 Operator : FY/SY
 Sample : VSTDIC005
 Misc : 5.00gm/5mL/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Quant Time: Sep 18 15:36:39 2015
 Quant Method : W:\HPCHEM1\MSVOA_D\METHOD\82D091815S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 18 15:39:32 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.30	168	202646	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.43	114	263267	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.58	117	241890	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.92	152	128472	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.72	65	11168	5.30	ug/l	0.00
Spiked Amount			Recovery	=	10.60%	
35) Dibromofluoromethane	6.21	113	10180	4.94	ug/l	0.00
Spiked Amount			Recovery	=	9.88%	
50) Toluene-d8	9.61	98	27808	4.28	ug/l	0.00
Spiked Amount			Recovery	=	8.56%	
62) 4-Bromofluorobenzene	12.85	95	12513	4.78	ug/l	0.00
Spiked Amount			Recovery	=	9.56%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.42	85	15396	4.21	ug/l	96
3) Chlorodifluoromethane	1.43	51	14410	4.28	ug/l	95
4) Chloromethane	1.58	50	6931	5.80	ug/l	93
5) Vinyl Chloride	1.68	62	6408	2.99	ug/l	93
6) Bromomethane	1.97	94	7258	3.66	ug/l	93
7) Chloroethane	2.08	64	4250	6.05	ug/l	98
8) Trichlorofluoromethane	2.33	101	19499	5.88	ug/l	95
9) Diethyl Ether	2.62	74	2673	4.54	ug/l	91
10) 1,1,2-Trichlorotrifluoroet	2.89	101	11561	5.57	ug/l	91
11) Methyl Iodide	3.05	142	7633	4.77	ug/l	94
12) Tert butyl alcohol	3.65	59	4839	3.97	ug/l #	74
13) 1,1-Dichloroethene	2.88	96	7743	4.77	ug/l	92
14) Acrolein	2.78	56	2576	23.93	ug/l	98
15) Allyl chloride	3.33	41	15092	4.58	ug/l	90
16) Acrylonitrile	3.85	53	5817	23.65	ug/l	87
17) Acetone	2.95	43	10212	28.69	ug/l #	89
18) Carbon Disulfide	3.13	76	33330	5.48	ug/l	100
19) Methyl Acetate	3.33	43	9902	4.80	ug/l	94
20) Methyl tert-butyl Ether	3.90	73	11258	4.43	ug/l #	82
21) Methylene Chloride	3.50	84	10797	5.59	ug/l	92
22) trans-1,2-Dichloroethene	3.90	96	8817	4.82	ug/l	96
23) Diisopropyl ether	4.66	45	21935	4.01	ug/l #	83
24) Vinyl Acetate	4.61	43	19545	29.31	ug/l #	96
25) 1,1-Dichloroethane	4.56	63	17082	5.07	ug/l	99
26) 2-Butanone	5.45	43	9266	23.16	ug/l #	92
27) 2,2-Dichloropropane	5.42	77	18482	5.34	ug/l	93
28) cis-1,2-Dichloroethene	5.42	96	9022	4.73	ug/l	94
29) Bromochloromethane	5.79	49	6735	5.07	ug/l	93
30) Chloroform	5.97	83	21361	5.22	ug/l	99
31) Cyclohexane	6.27	56	18059	5.71	ug/l #	91
32) 1,1,1-Trichloroethane	6.18	97	18899	5.19	ug/l	97
36) 1,1-Dichloropropene	6.43	75	15981	5.19	ug/l	94
37) Ethyl Acetate	5.55	43	4840	3.97	ug/l #	95
38) Carbon Tetrachloride	6.41	117	16788	5.25	ug/l #	92

Data Path : W:\HPCHEM1\MSVOA D\DATA\VD091815\
 Data File : VD046778.D
 Acq On : 18 Sep 2015 11:30
 Operator : FY/SY
 Sample : VSTDIC005
 Misc : 5.00gm/5mL/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Quant Time: Sep 18 15:36:39 2015
 Quant Method : W:\HPCHEM1\MSVOA_D\METHOD\82D091815S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 18 15:39:32 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.08	83	13193	4.23	ug/l	95
40) Benzene	6.72	78	40135	5.11	ug/l	100
41) Methacrylonitrile	5.76	41	2055	3.71	ug/l	93
42) 1,2-Dichloroethane	6.83	62	12448	5.10	ug/l	92
43) Isopropyl Acetate	8.41	43	5403	4.15	ug/l #	100
44) Trichloroethene	7.75	130	9458	4.81	ug/l	90
45) 1,2-Dichloropropane	8.14	63	9736	5.00	ug/l	99
46) Dibromomethane	8.27	93	5601	5.07	ug/l	90
47) Bromodichloromethane	8.56	83	14687	5.06	ug/l	95
48) Methyl methacrylate	8.09	41	8008	4.02	ug/l #	84
49) 1,4-Dioxane	8.32	88	684	92.83	ug/l #	81
51) 4-Methyl-2-Pentanone	9.49	43	18231	19.37	ug/l	90
52) Toluene	9.72	92	21427	4.42	ug/l	99
53) t-1,3-Dichloropropene	10.12	75	8596	4.01	ug/l	91
54) cis-1,3-Dichloropropene	9.23	75	11640	4.22	ug/l #	74
55) 1,1,2-Trichloroethane	10.40	97	6600	5.26	ug/l	94
56) Ethyl methacrylate	10.23	69	4219	6.86	ug/l	84
57) 1,3-Dichloropropane	10.61	76	11178	4.79	ug/l	92
58) 2-Chloroethyl Vinyl ether	9.03	63	10836	19.24	ug/l	100
59) 2-Hexanone	10.71	43	13161	29.88	ug/l	99
60) Dibromochloromethane	10.89	129	8316	4.83	ug/l	94
61) 1,2-Dibromoethane	11.02	107	6157	4.97	ug/l	89
64) Tetrachloroethene	10.47	164	9580	4.90	ug/l	93
65) Chlorobenzene	11.60	112	26343	5.17	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.72	131	9543	5.10	ug/l	94
67) Ethyl Benzene	11.73	91	47338	4.63	ug/l	95
68) m/p-Xylenes	11.88	106	29258	9.07	ug/l	95
69) o-Xylene	12.29	106	11572	3.98	ug/l	100
70) Styrene	12.31	104	21793	4.33	ug/l	94
71) Bromoform	12.50	173	4583	4.60	ug/l #	95
73) Isopropylbenzene	12.67	105	36268	4.00	ug/l	96
74) N-amyl acetate	12.50	43	6979	7.49	ug/l #	95
75) 1,1,2,2-Tetrachloroethane	12.98	83	7356	5.03	ug/l	92
76) 1,2,3-Trichloropropane	13.03	75	7478	4.78	ug/l	87
77) Bromobenzene	12.97	156	10546	4.63	ug/l	80
78) n-propylbenzene	13.08	91	55156	4.31	ug/l	98
79) 2-Chlorotoluene	13.16	91	31859	4.49	ug/l	97
80) 1,3,5-Trimethylbenzene	13.25	105	30908	4.28	ug/l	91
81) trans-1,4-Dichloro-2-buten	12.74	75	1413	6.80	ug/l #	52
82) 4-Chlorotoluene	13.27	91	39695	4.70	ug/l	94
83) tert-Butylbenzene	13.54	119	31832	4.74	ug/l	91
84) 1,2,4-Trimethylbenzene	13.60	105	31563	4.34	ug/l	98
85) sec-Butylbenzene	13.73	105	41128	4.30	ug/l	99
86) p-Isopropyltoluene	13.87	119	31916	4.25	ug/l	95
87) 1,3-Dichlorobenzene	13.84	146	21382	5.03	ug/l	97
88) 1,4-Dichlorobenzene	13.94	146	22397	5.30	ug/l	96
89) n-Butylbenzene	14.22	91	35409	4.17	ug/l	99
90) Hexachloroethane	14.48	117	8589	4.93	ug/l	96
91) 1,2-Dichlorobenzene	14.24	146	18048	5.06	ug/l	90
92) 1,2-Dibromo-3-Chloropropan	14.90	75	895	5.19	ug/l	74

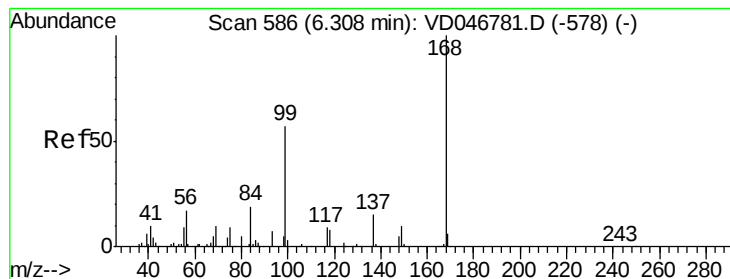
Data Path : W:\HPCHEM1\MSVOA D\DATA\VD091815\
Data File : VD046778.D
Acq On : 18 Sep 2015 11:30
Operator : FY/SY
Sample : VSTDICC005
Misc : 5.00gm/5mL/MSVOA D/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC005

Quant Time: Sep 18 15:36:39 2015
Quant Method : W:\HPCHEM1\MSVOA_D\METHOD\82D091815S.M
Quant Title : SW846 8260
QLast Update : Fri Sep 18 15:39:32 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.58	180	9245	4.50	ug/l	93
94) Hexachlorobutadiene	15.69	225	8761	5.18	ug/l	97
95) Naphthalene	15.82	128	8964	5.52	ug/l #	93
96) 1,2,3-Trichlorobenzene	16.02	180	7848	4.57	ug/l	93

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.30 min Scan# 586

Delta R.T. -0.01 min

Lab File: VD046778.D

Acq: 18 Sep 2015 11:30

Instrument :

MSVOA_D

ClientSampleId :

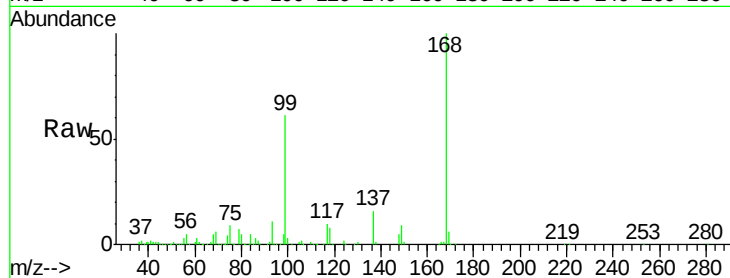
VSTDIC005

Tot Ion:168 Resp: 202646

Ion Ratio Lower Upper

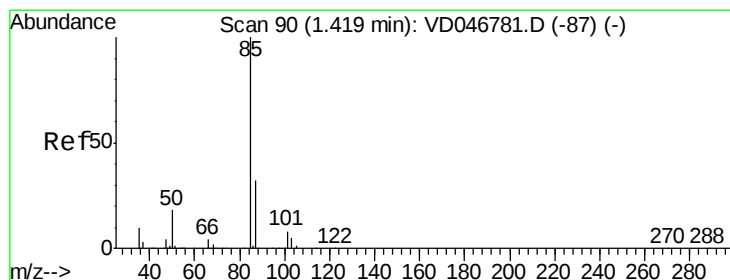
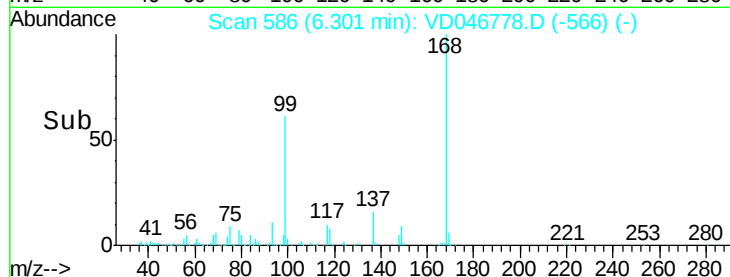
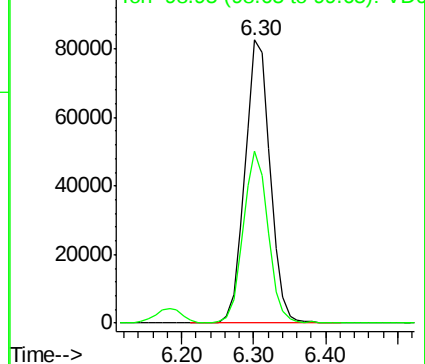
168 100

99 60.6 42.4 63.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 4.21 ug/l

RT: 1.42 min Scan# 91

Delta R.T. 0.00 min

Lab File: VD046778.D

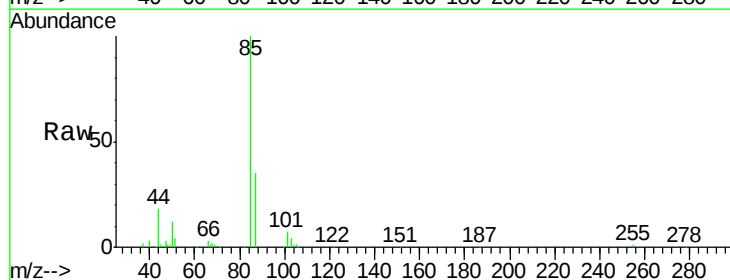
Acq: 18 Sep 2015 11:30

Tgt Ion: 85 Resp: 15396

Ion Ratio Lower Upper

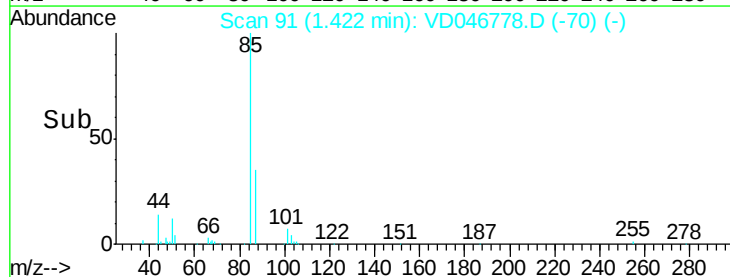
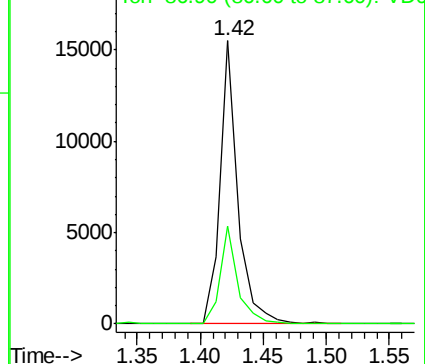
85 100

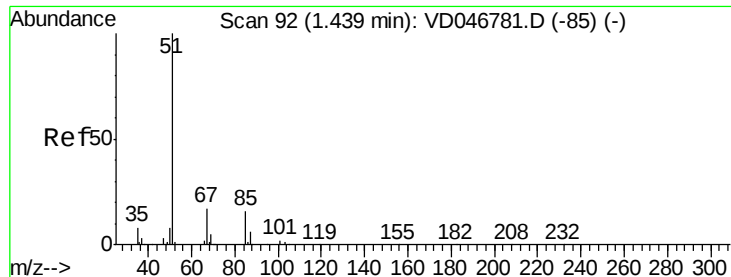
87 34.5 16.2 48.5



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chlorodifluoromethane

Concen: 4.28 ug/l

RT: 1.43 min Scan# 92

Delta R.T. -0.01 min

Lab File: VD046778.D

Acq: 18 Sep 2015 11:30

Instrument :

MSVOA_D

ClientSampleId :

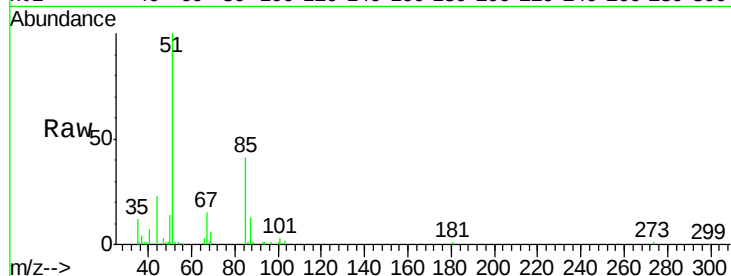
VSTDIC005

Tot Ion: 51 Resp: 14410

Ion Ratio Lower Upper

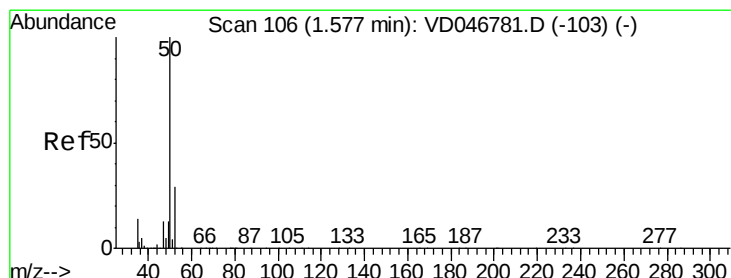
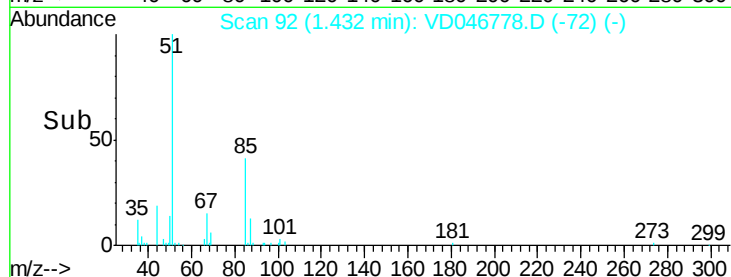
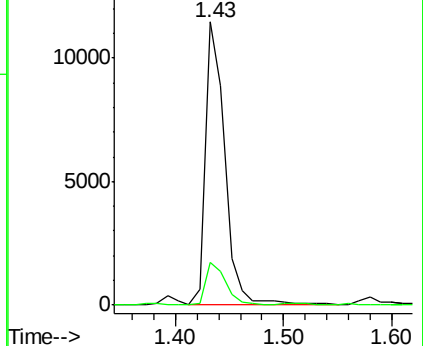
51 100

67 15.6 10.9 16.3



Abundance Ion 51.00 (50.70 to 51.70): VDC

Ion 67.00 (66.70 to 67.70): VDC



#4

Chloromethane

Concen: 5.80 ug/l

RT: 1.58 min Scan# 107

Delta R.T. 0.00 min

Lab File: VD046778.D

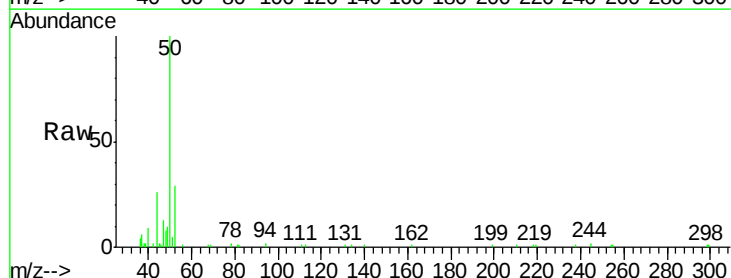
Acq: 18 Sep 2015 11:30

Tgt Ion: 50 Resp: 6931

Ion Ratio Lower Upper

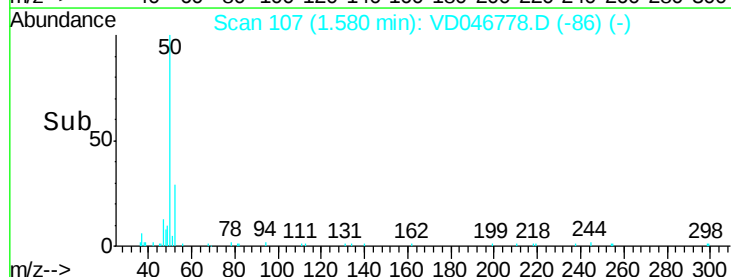
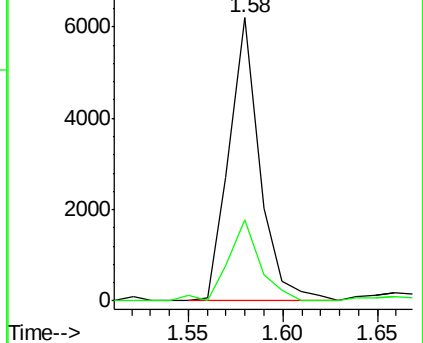
50 100

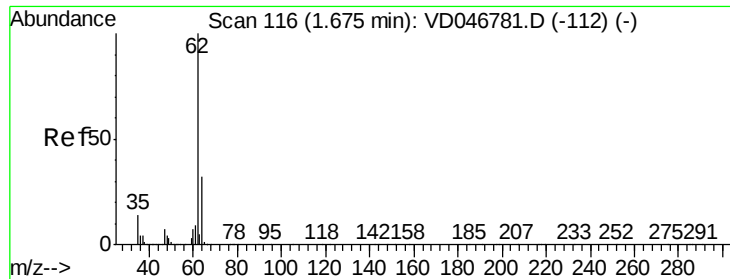
52 28.9 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC





#5

Vinyl Chloride

Concen: 2.99 ug/l

RT: 1.68 min Scan# 117

Delta R.T. 0.00 min

Lab File: VD046778.D

Acq: 18 Sep 2015 11:30

Instrument :

MSVOA_D

ClientSampleId :

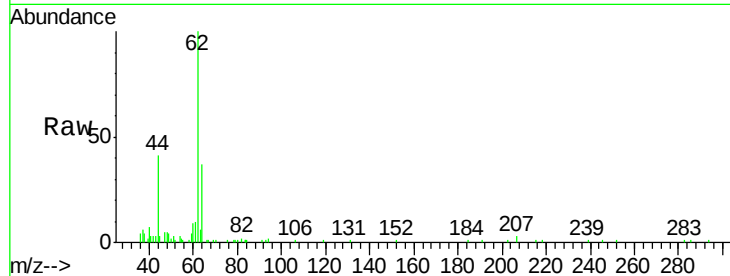
VSTDIC005

Tot Ion: 62 Resp: 6408

Ion Ratio Lower Upper

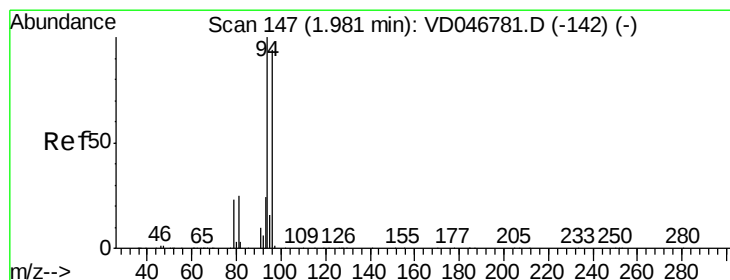
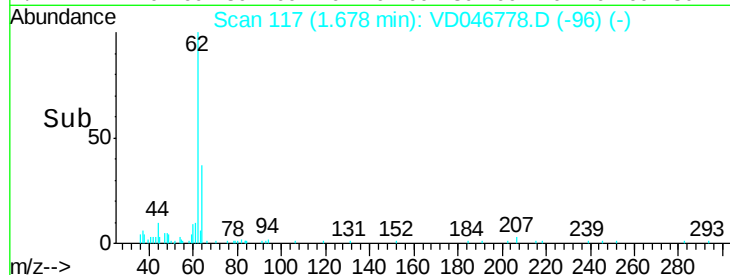
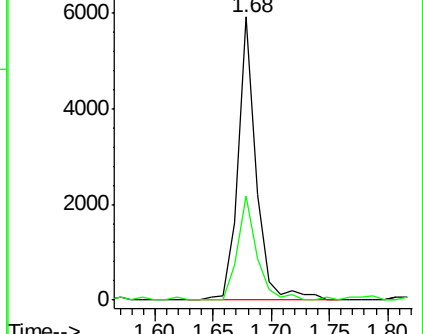
62 100

64 36.9 26.4 39.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC



#6

Bromomethane

Concen: 3.66 ug/l

RT: 1.97 min Scan# 147

Delta R.T. -0.01 min

Lab File: VD046778.D

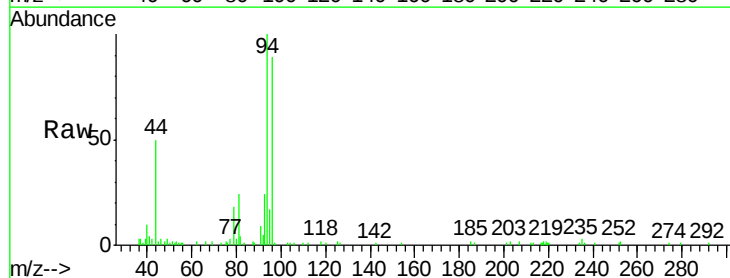
Acq: 18 Sep 2015 11:30

Tgt Ion: 94 Resp: 7258

Ion Ratio Lower Upper

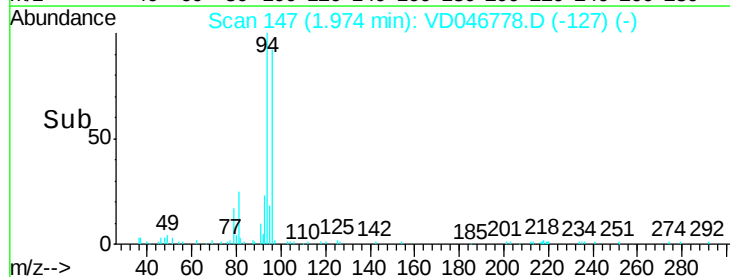
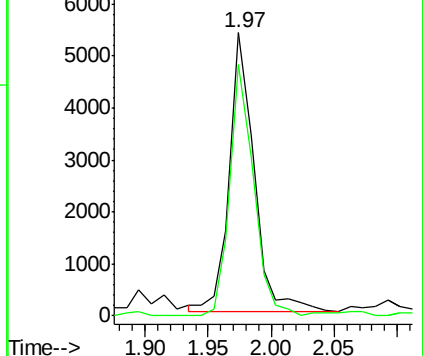
94 100

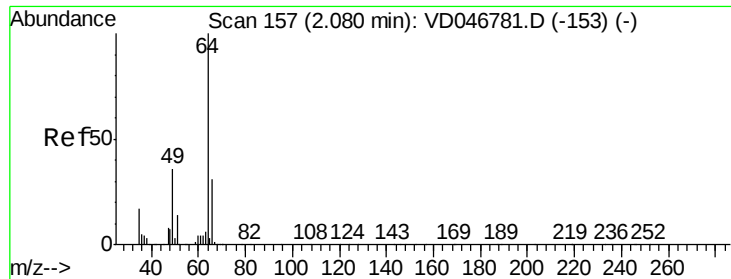
96 88.6 76.0 114.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC





#7

Chloroethane

Concen: 6.05 ug/l

RT: 2.08 min Scan# 158

Delta R.T. 0.00 min

Lab File: VD046778.D

Acq: 18 Sep 2015 11:30

Instrument :

MSVOA_D

ClientSampleId :

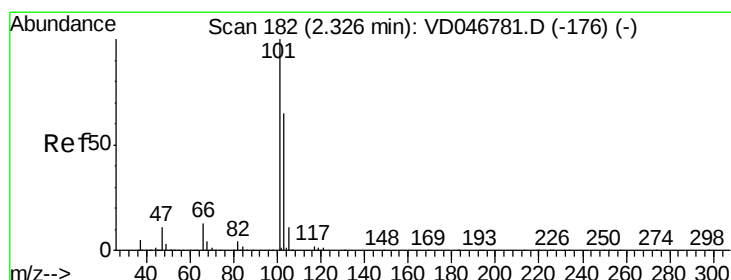
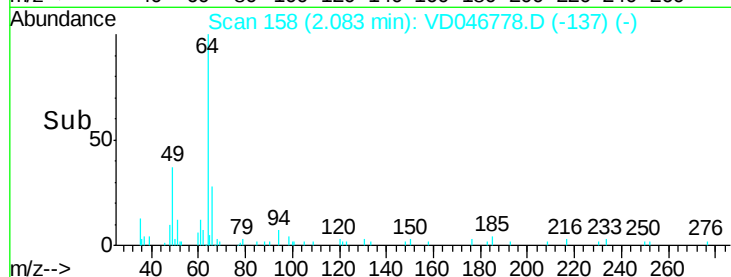
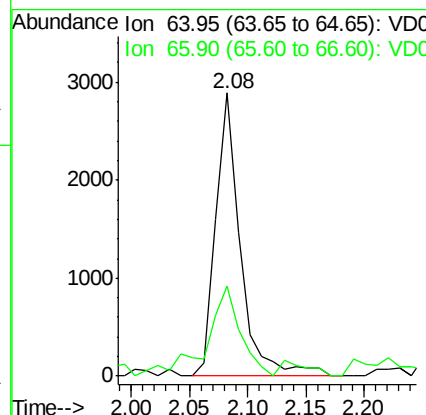
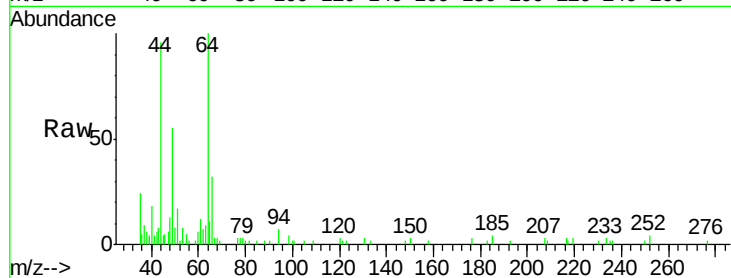
VSTDIC005

Tot Ion: 64 Resp: 4250

Ion Ratio Lower Upper

64 100

66 31.9 26.6 39.8



#8

Trichlorofluoromethane

Concen: 5.88 ug/l

RT: 2.33 min Scan# 183

Delta R.T. 0.00 min

Lab File: VD046778.D

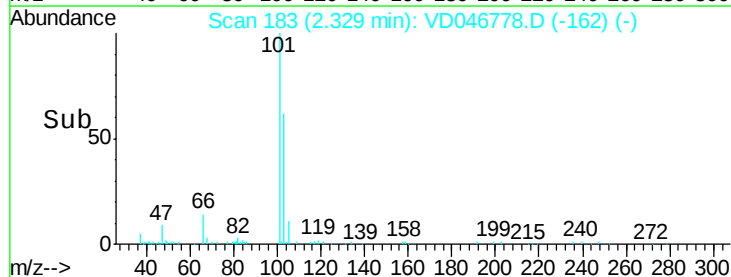
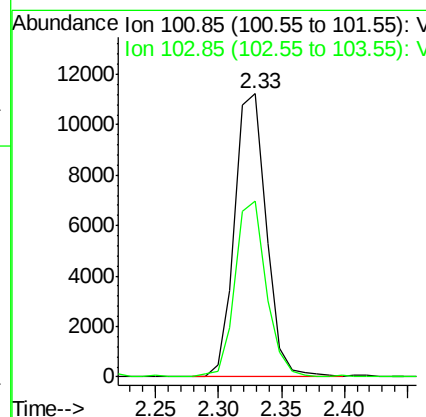
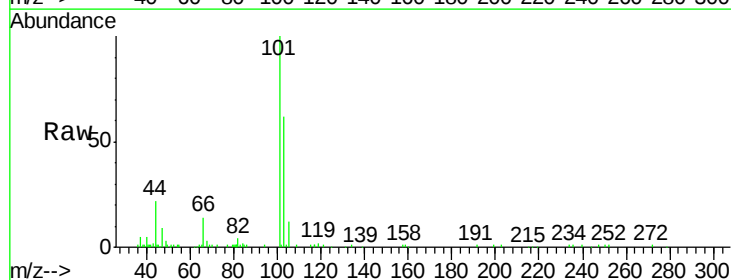
Acq: 18 Sep 2015 11:30

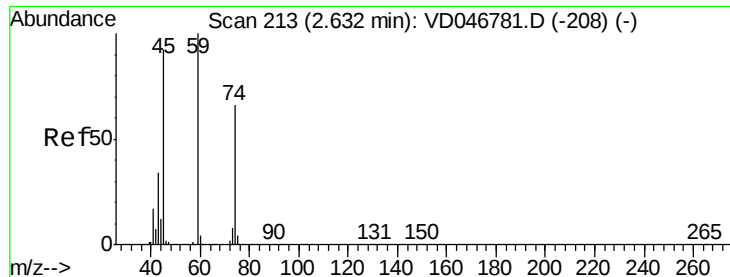
Tgt Ion: 101 Resp: 19499

Ion Ratio Lower Upper

101 100

103 62.3 53.2 79.8





#9

Diethyl Ether

Concen: 4.54 ug/l

RT: 2.62 min Scan# 213

Delta R.T. -0.01 min

Lab File: VD046778.D

Acq: 18 Sep 2015 11:30

Instrument :

MSVOA_D

ClientSampleId :

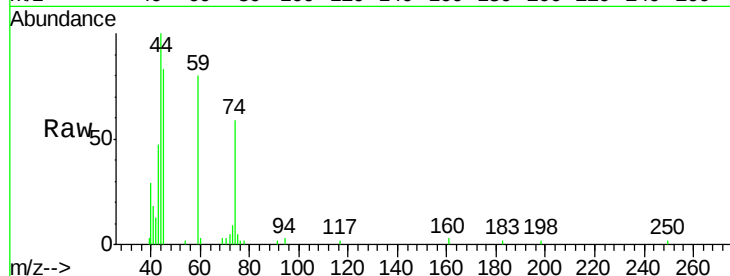
VSTDIC005

Tot Ion: 74 Resp: 2673

Ion Ratio Lower Upper

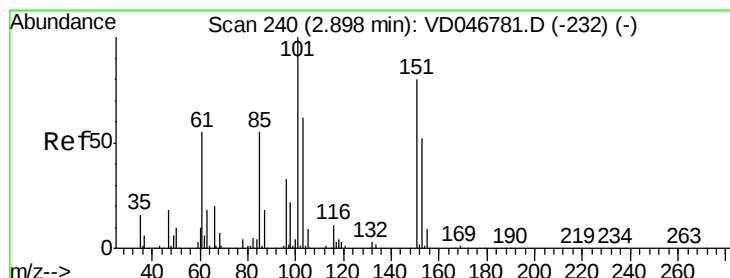
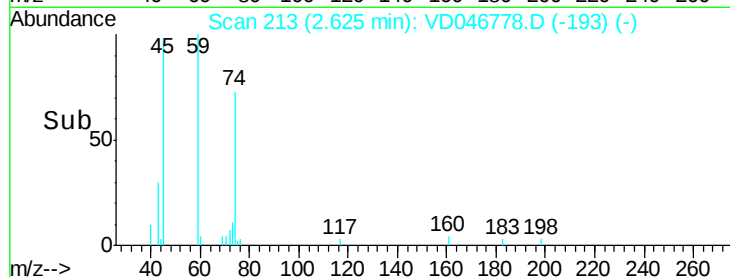
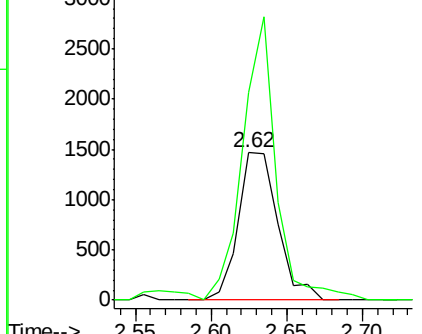
74 100

45 140.6 76.2 228.6



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC



#10

1,1,2-Trichlorotrifluoroethane

Concen: 5.57 ug/l

RT: 2.89 min Scan# 240

Delta R.T. -0.01 min

Lab File: VD046778.D

Acq: 18 Sep 2015 11:30

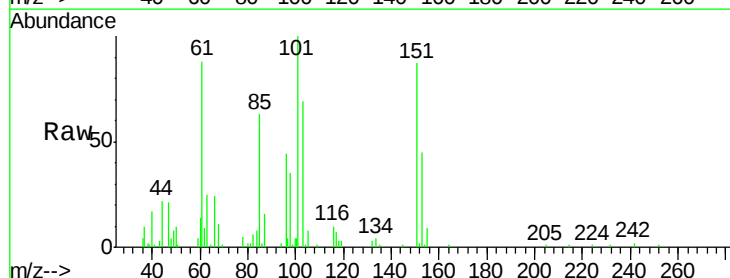
Tgt Ion: 101 Resp: 11561

Ion Ratio Lower Upper

101 100

85 62.8 42.0 63.0

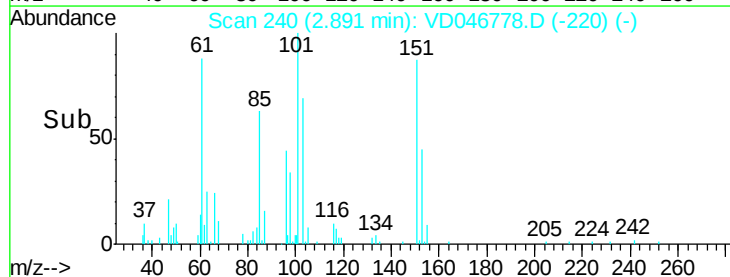
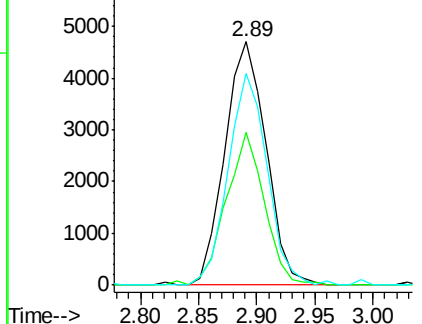
151 86.8 65.2 97.8

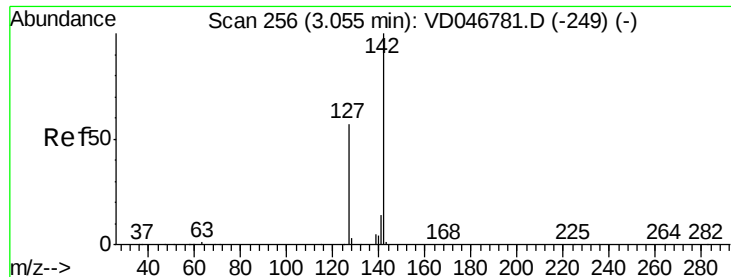


Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): VDC

Ion 150.90 (150.60 to 151.60): V

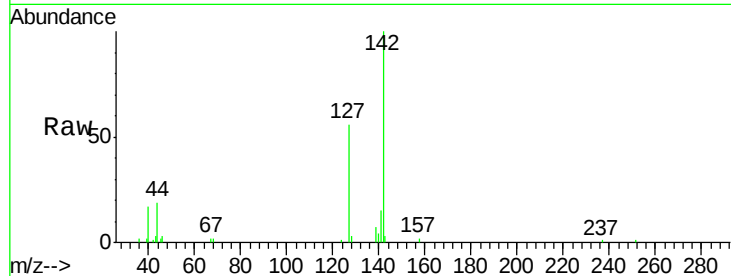




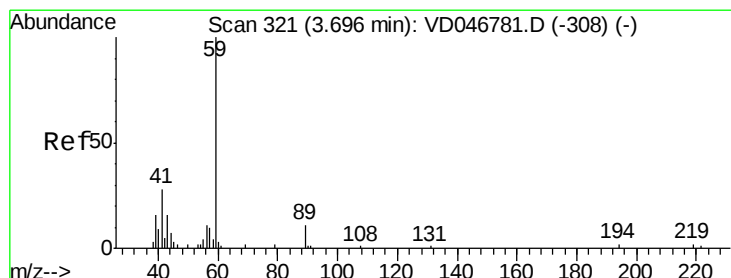
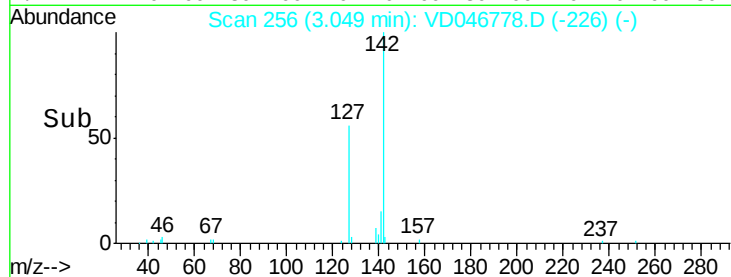
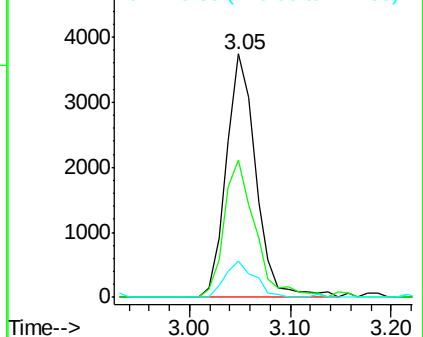
#11
Methvl Iodide
Concen: 4.77 ug/l
RT: 3.05 min Scan# 256
Delta R.T. -0.01 min
Lab File: VD046778.D
Acq: 18 Sep 2015 11:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion:142 Resp: 7633
Ion Ratio Lower Upper
142 100
127 56.3 41.2 61.8
141 15.0 11.6 17.4

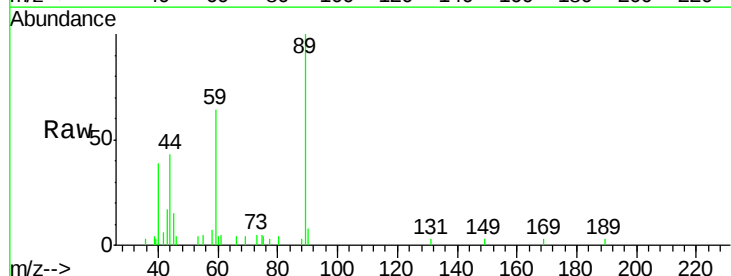


Abundance Ion 141.85 (141.55 to 142.55): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.85 (140.55 to 141.55): V

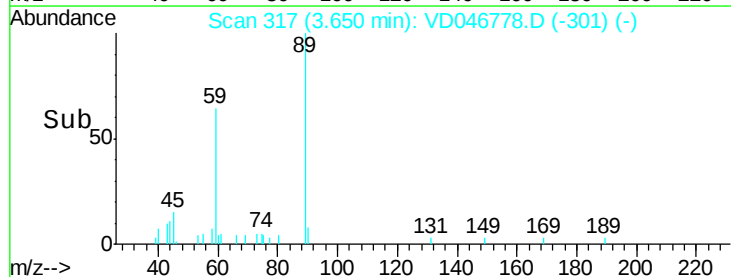
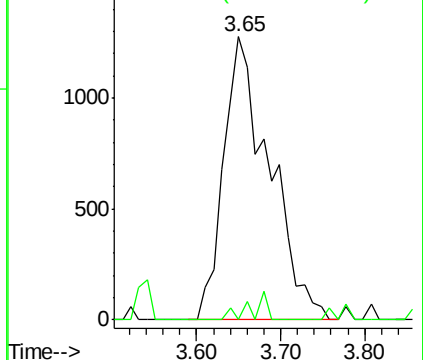


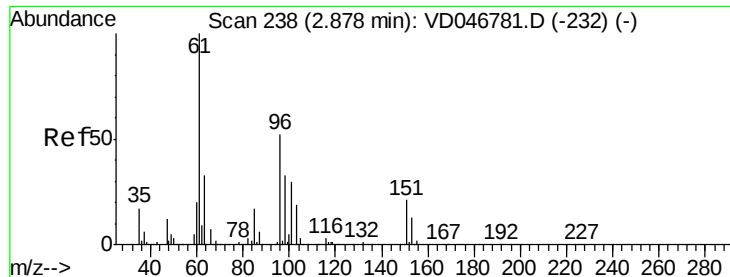
#12
Tert butyl alcohol
Concen: 3.97 ug/l
RT: 3.65 min Scan# 317
Delta R.T. -0.05 min
Lab File: VD046778.D
Acq: 18 Sep 2015 11:30

Tgt Ion: 59 Resp: 4839
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



Abundance Ion 58.95 (58.65 to 59.65): VDC
Ion 56.95 (56.65 to 57.65): VDC

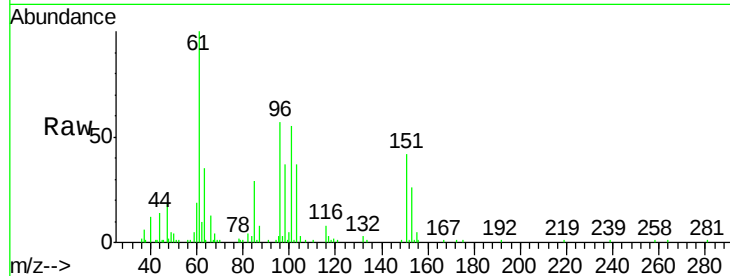




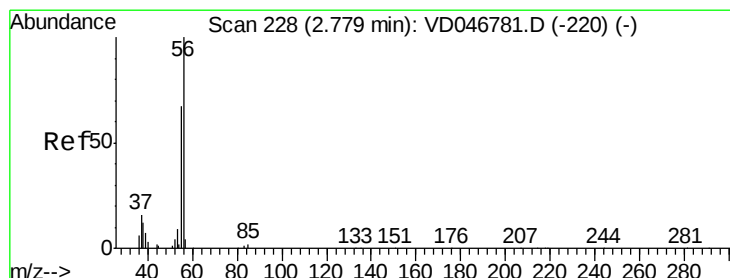
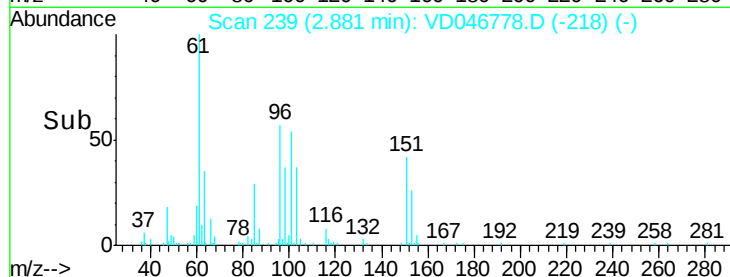
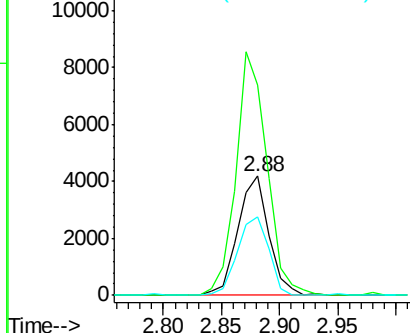
#13
 1,1-Dichloroethene
 Concen: 4.77 ug/l
 RT: 2.88 min Scan# 239
 Delta R.T. 0.00 min
 Lab File: VD046778.D
 Acq: 18 Sep 2015 11:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion: 96 Resp: 7743
 Ion Ratio Lower Upper
 96 100
 61 176.4 152.2 228.4
 98 66.1 51.2 76.8

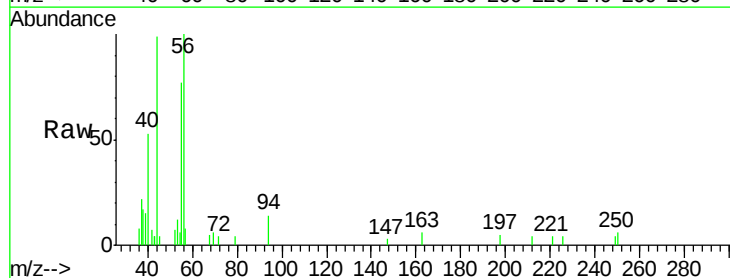


Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC

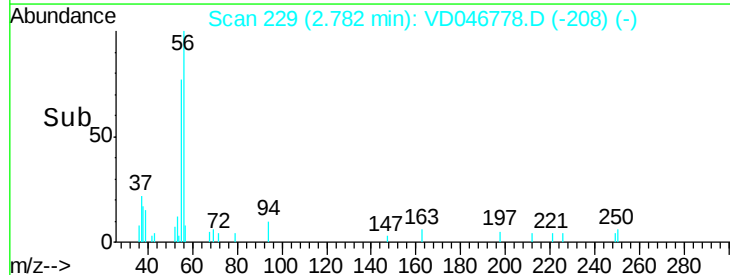
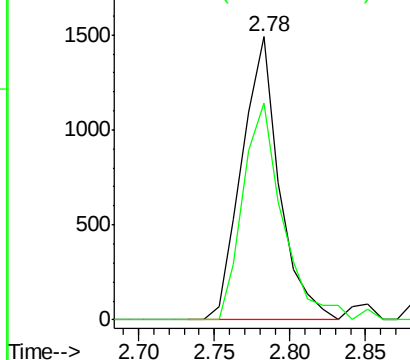


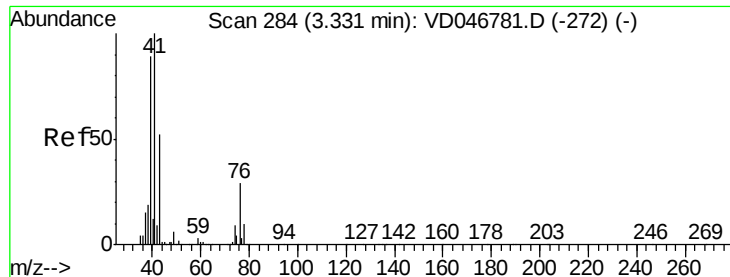
#14
 Acrolein
 Concen: 23.93 ug/l
 RT: 2.78 min Scan# 229
 Delta R.T. 0.00 min
 Lab File: VD046778.D
 Acq: 18 Sep 2015 11:30

Tgt Ion: 56 Resp: 2576
 Ion Ratio Lower Upper
 56 100
 55 76.5 62.6 93.8



Abundance Ion 55.95 (55.65 to 56.65): VDC
 Ion 55.00 (54.70 to 55.70): VDC





#15

Allvl chloride

Concen: 4.58 ug/l

RT: 3.33 min Scan# 285

Delta R.T. 0.00 min

Lab File: VD046778.D

Acq: 18 Sep 2015 11:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

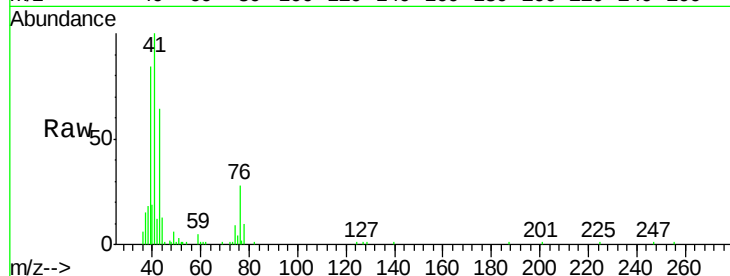
Tot Ion: 41 Resp: 15092

Ion Ratio Lower Upper

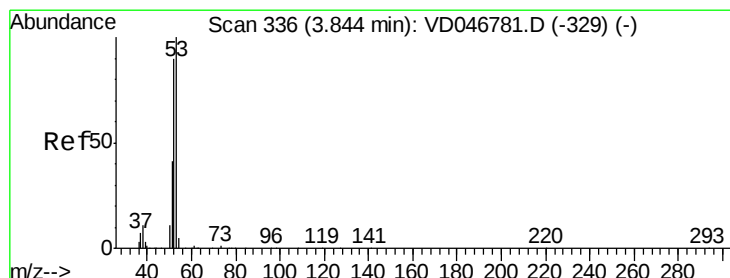
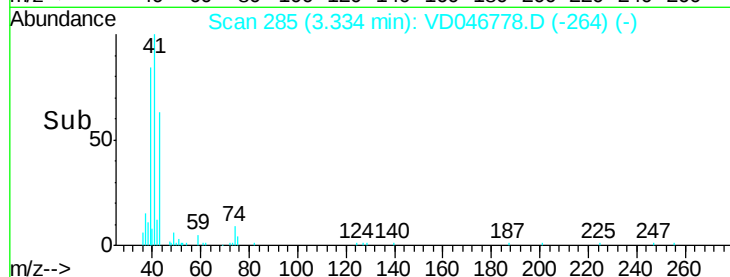
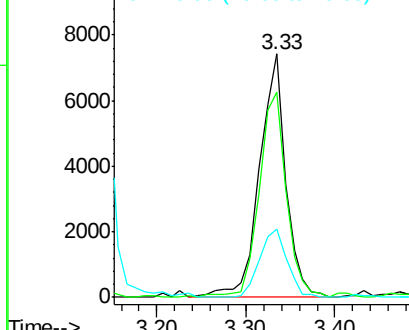
41 100

39 84.5 58.8 88.2

76 27.9 22.7 34.1



Abundance Ion 41.05 (40.75 to 41.75): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 75.95 (75.65 to 76.65): VDC



#16

Acrylonitrile

Concen: 23.65 ug/l

RT: 3.85 min Scan# 337

Delta R.T. 0.00 min

Lab File: VD046778.D

Acq: 18 Sep 2015 11:30

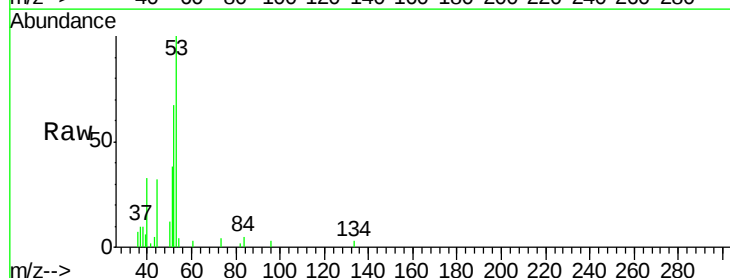
Tgt Ion: 53 Resp: 5817

Ion Ratio Lower Upper

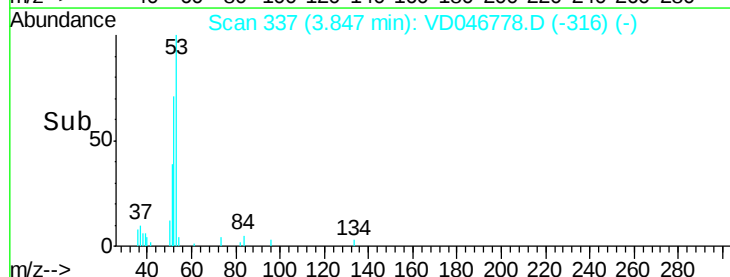
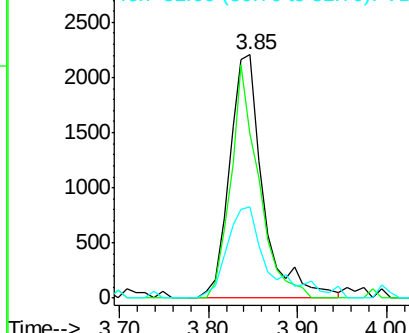
53 100

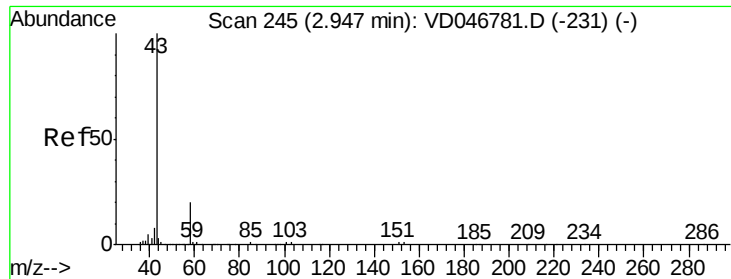
52 67.3 66.8 100.2

51 37.7 31.2 46.8



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





#17

Acetone

Concen: 28.69 ug/l

RT: 2.95 min Scan# 246

Delta R.T. 0.00 min

Lab File: VD046778.D

Acq: 18 Sep 2015 11:30

Instrument :

MSVOA_D

ClientSampleId :

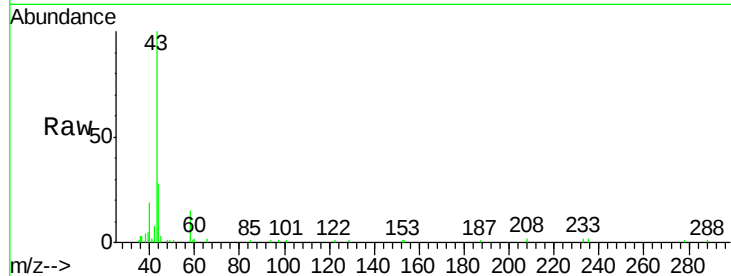
VSTDIC005

Tot Ion: 43 Resp: 10212

Ion Ratio Lower Upper

43 100

58 15.4 16.6 24.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

2.95

4000

3000

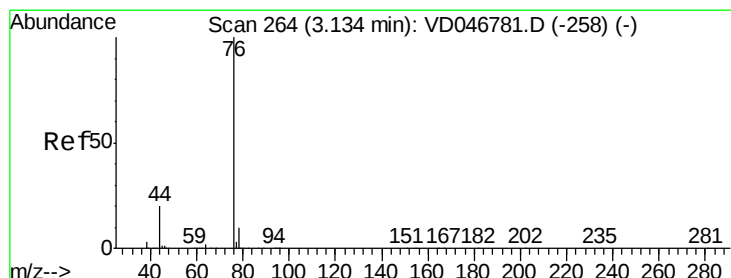
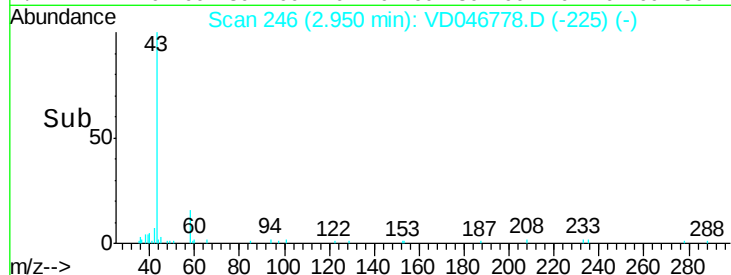
2000

1000

0

Time-->

2.80 2.90 3.00 3.10



#18

Carbon Disulfide

Concen: 5.48 ug/l

RT: 3.13 min Scan# 264

Delta R.T. -0.01 min

Lab File: VD046778.D

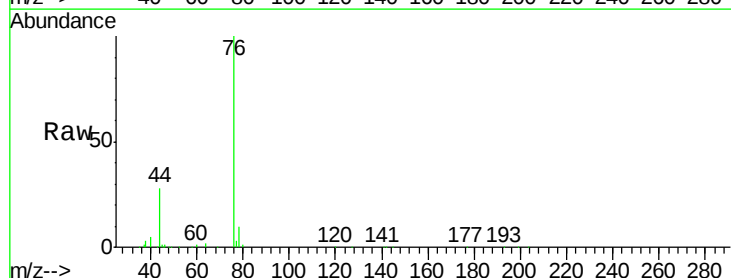
Acq: 18 Sep 2015 11:30

Tgt Ion: 76 Resp: 33330

Ion Ratio Lower Upper

76 100

78 9.9 8.0 12.0



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

20000

15000

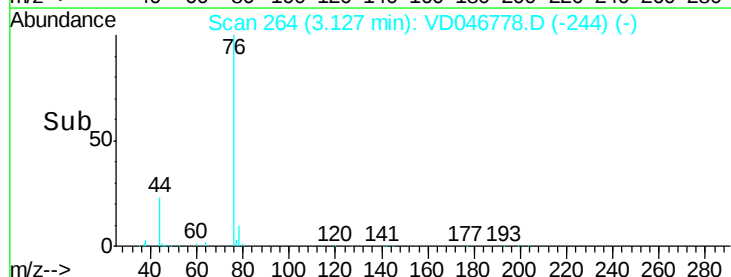
10000

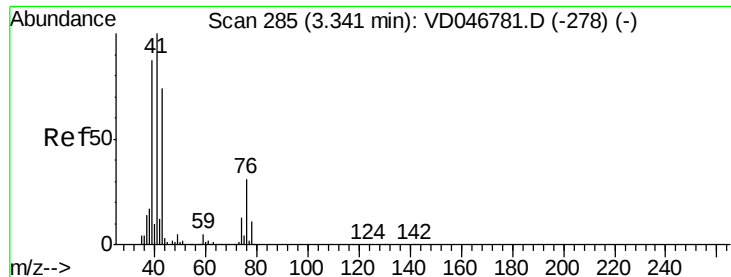
5000

0

Time-->

3.00 3.10 3.20 3.30

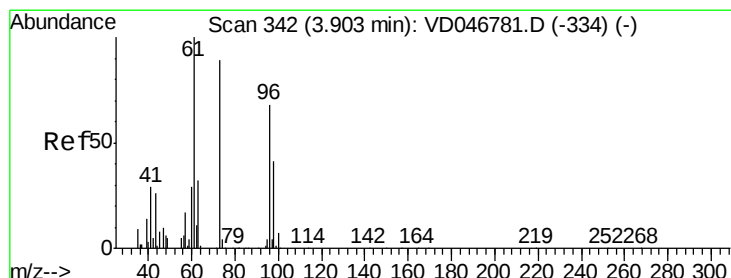
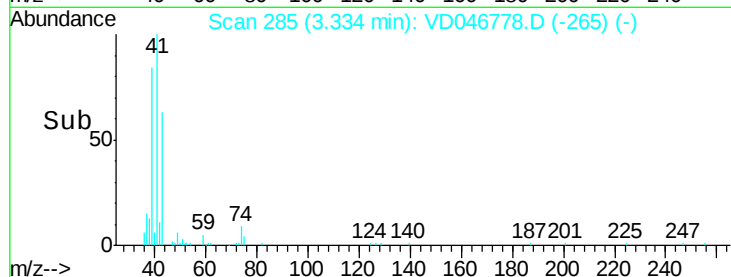
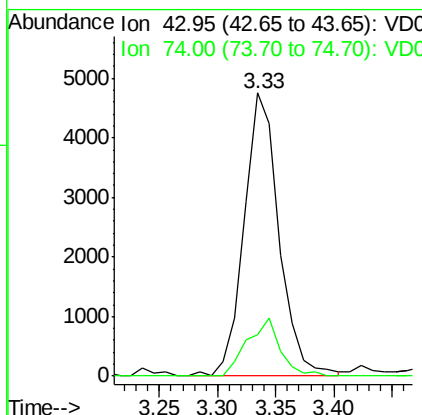
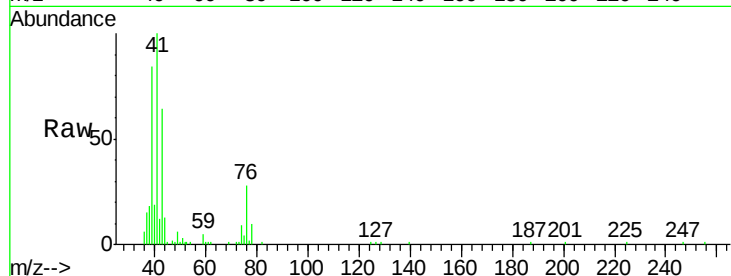




#19
Methyl Acetate
Concen: 4.80 ug/l
RT: 3.33 min Scan# 285
Delta R.T. -0.01 min
Lab File: VD046778.D
Acq: 18 Sep 2015 11:30

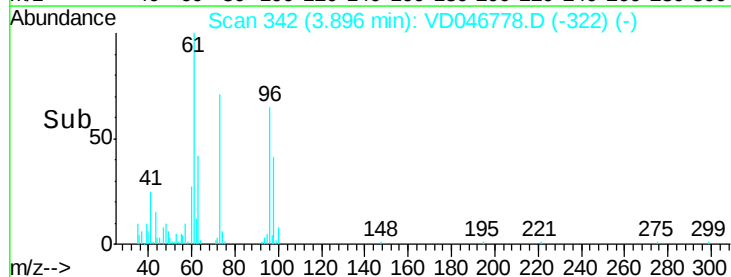
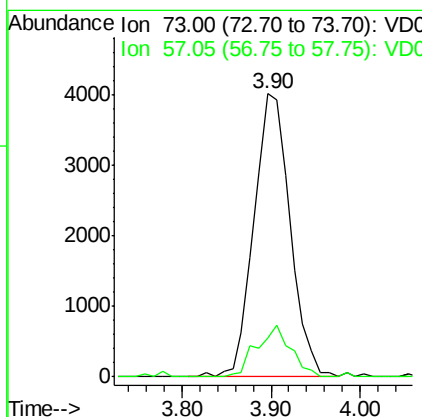
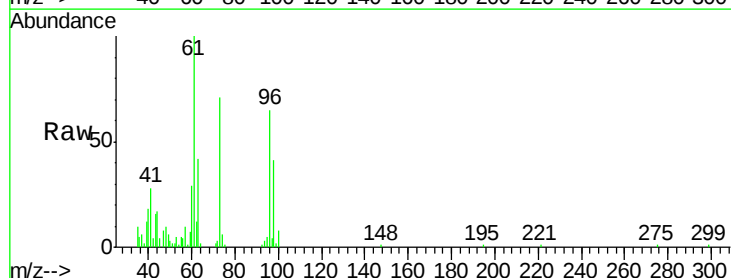
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

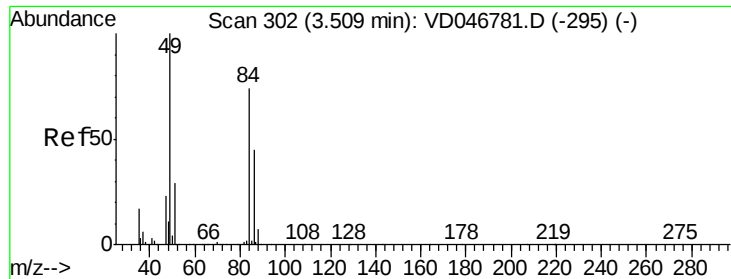
Tot Ion: 43 Resp: 9902
Ion Ratio Lower Upper
43 100
74 14.6 13.7 20.5



#20
Methyl tert-butyl Ether
Concen: 4.43 ug/l
RT: 3.90 min Scan# 342
Delta R.T. -0.01 min
Lab File: VD046778.D
Acq: 18 Sep 2015 11:30

Tgt Ion: 73 Resp: 11258
Ion Ratio Lower Upper
73 100
57 13.7 18.1 27.1#





#21

Methylene Chloride

Concen: 5.59 ug/l

RT: 3.50 min Scan# 302

Delta R.T. -0.01 min

Lab File: VD046778.D

Acq: 18 Sep 2015 11:30

Instrument :

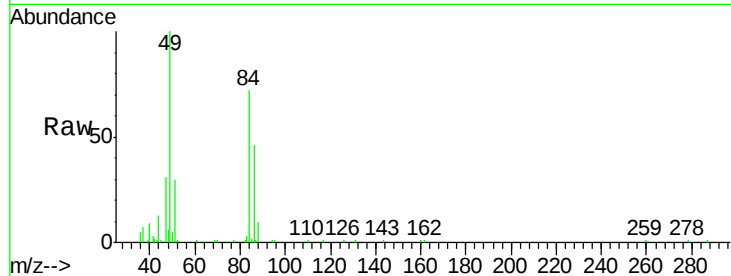
MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 84 Resp: 10797

Ion	Ratio	Lower	Upper
84	100		
49	138.7	122.1	183.1
51	42.1	33.6	50.4
86	64.0	48.3	72.5

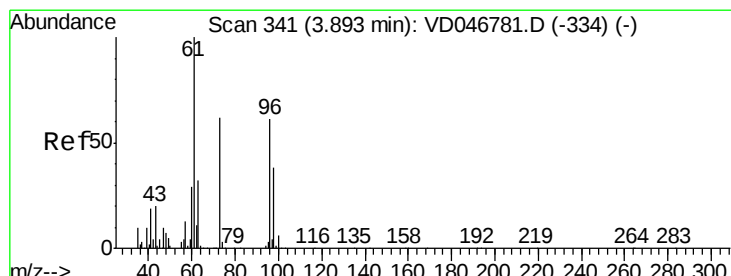
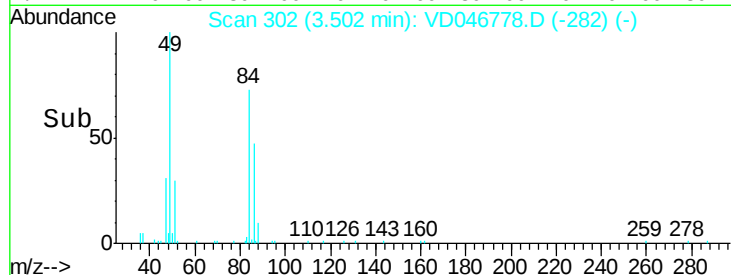


Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC



#22

trans-1,2-Dichloroethene

Concen: 4.82 ug/l

RT: 3.90 min Scan# 342

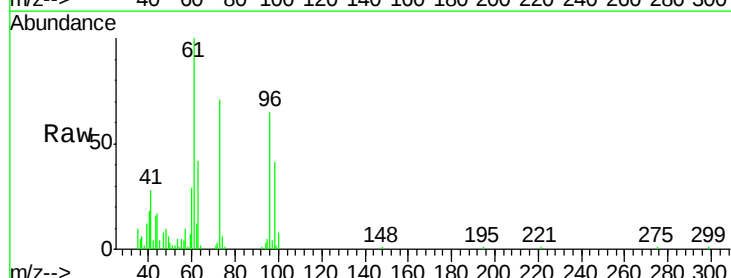
Delta R.T. 0.00 min

Lab File: VD046778.D

Acq: 18 Sep 2015 11:30

Tgt Ion: 96 Resp: 8817

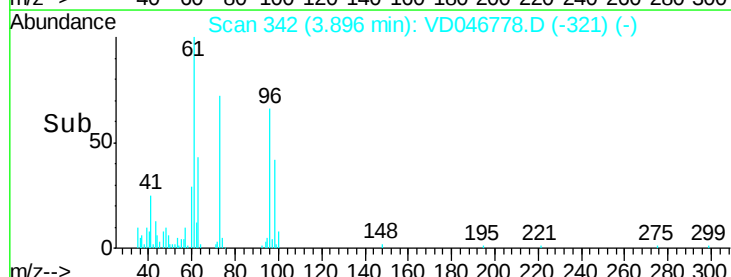
Ion	Ratio	Lower	Upper
96	100		
61	153.0	125.8	188.6
98	63.1	54.5	81.7

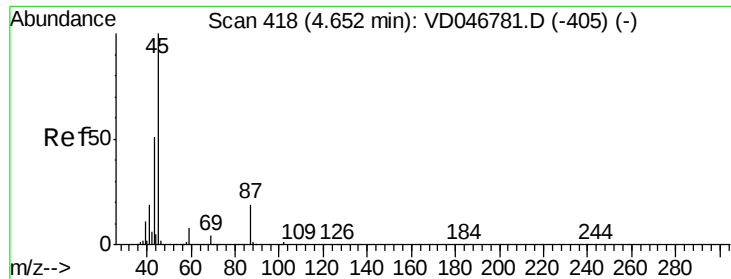


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC

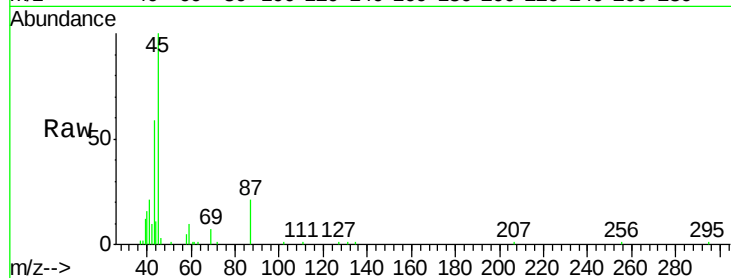




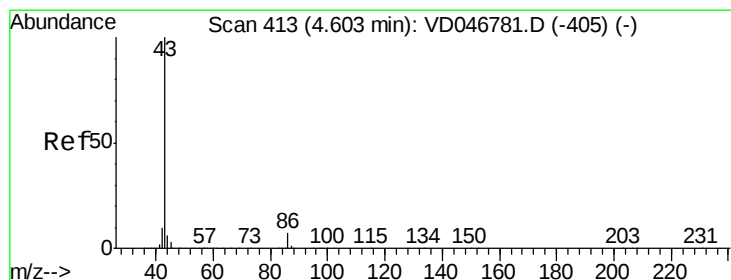
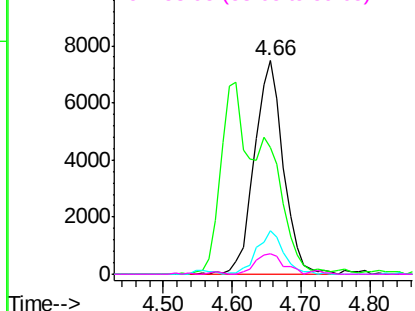
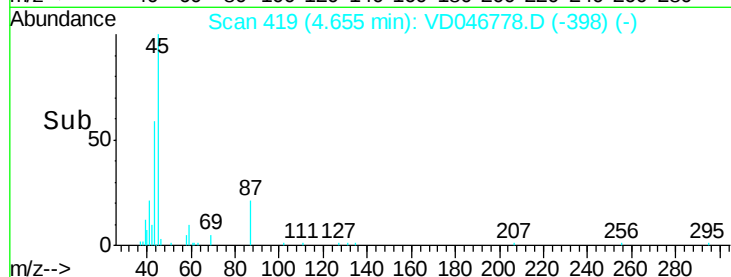
#23
Diisopropyl ether
Concen: 4.01 ug/l
RT: 4.66 min Scan# 419
Delta R.T. 0.00 min
Lab File: VD046778.D
Acq: 18 Sep 2015 11:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion:	45	Resp:	21935
Ion	Ratio	Lower	Upper
45	100		
43	59.3	35.9	53.9#
87	20.5	13.0	19.6#
59	9.6	7.0	10.6

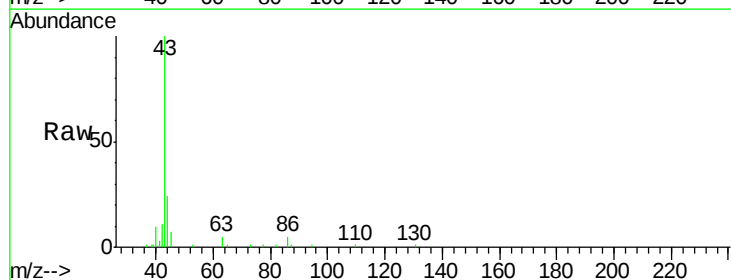


Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC

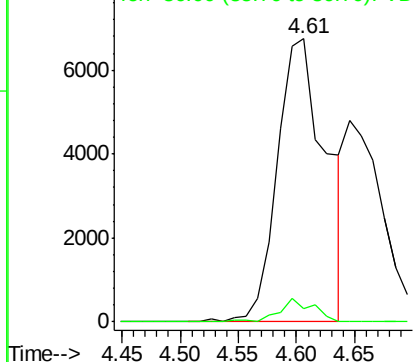
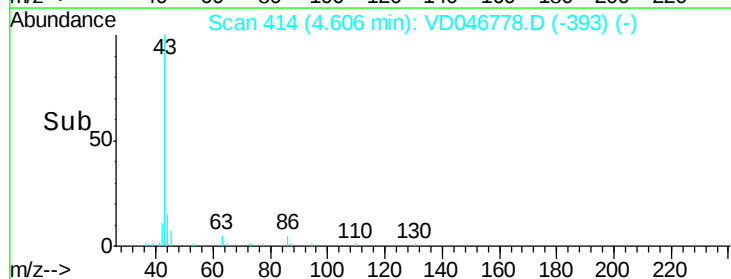


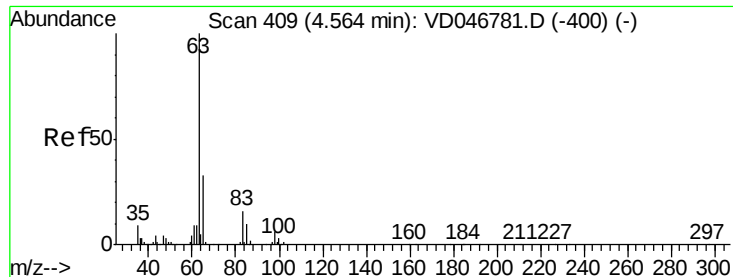
#24
Vinyl Acetate
Concen: 29.31 ug/l
RT: 4.61 min Scan# 414
Delta R.T. 0.00 min
Lab File: VD046778.D
Acq: 18 Sep 2015 11:30

Tgt Ion:	43	Resp:	19545
Ion	Ratio	Lower	Upper
43	100		
86	4.6	4.9	7.3#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 86.00 (85.70 to 86.70): VDC





#25

1,1-Dichloroethane

Concen: 5.07 ug/l

RT: 4.56 min Scan# 409

Delta R.T. -0.01 min

Lab File: VD046778.D

Acq: 18 Sep 2015 11:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

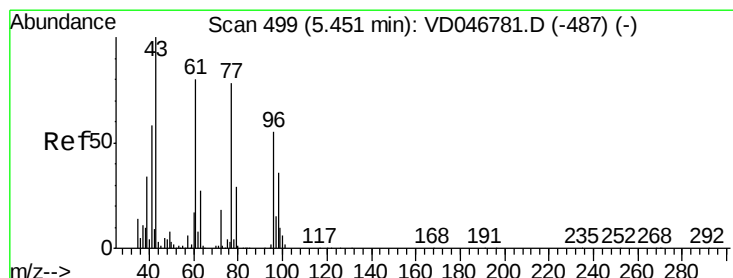
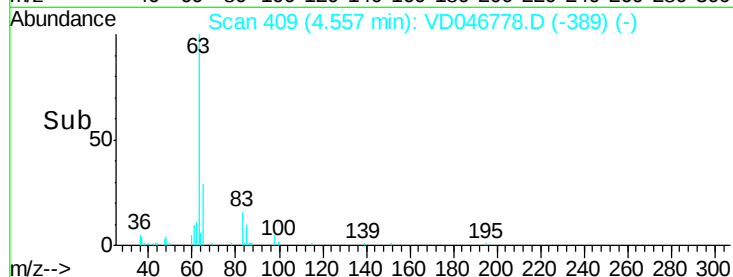
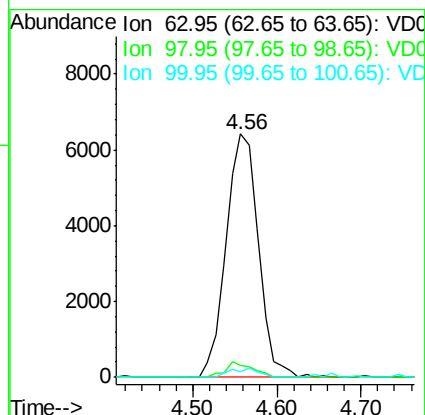
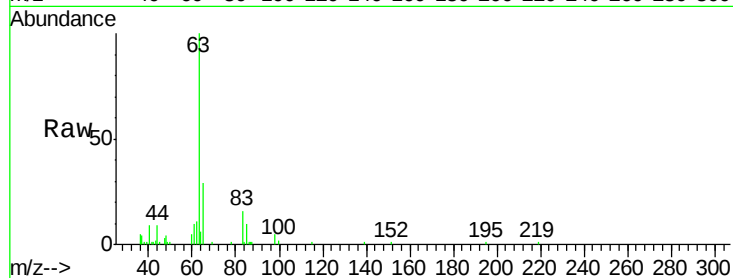
Tot Ion: 63 Resp: 17082

Ion Ratio Lower Upper

63 100

98 4.8 2.5 7.5

100 2.3 1.5 4.5



#26

2-Butanone

Concen: 23.16 ug/l

RT: 5.45 min Scan# 500

Delta R.T. 0.00 min

Lab File: VD046778.D

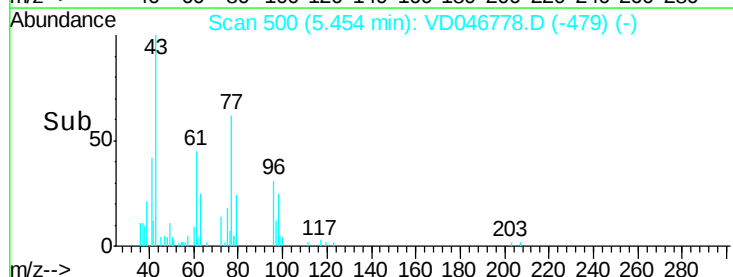
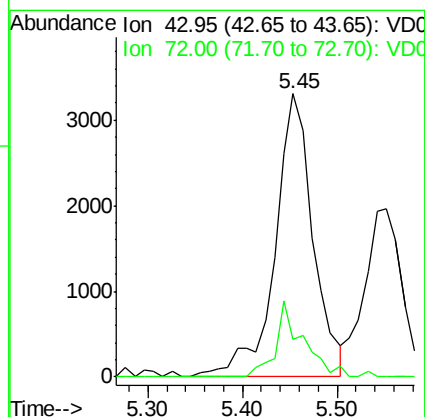
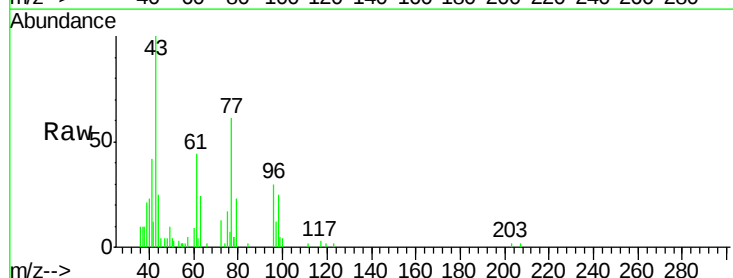
Acq: 18 Sep 2015 11:30

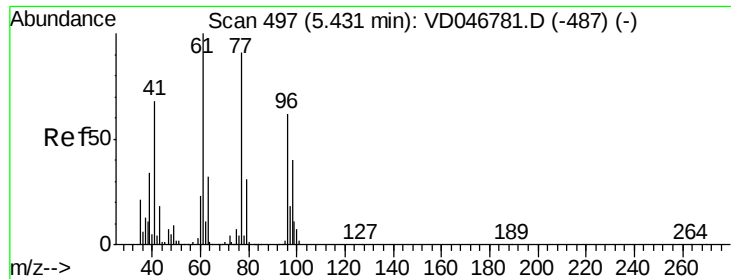
Tgt Ion: 43 Resp: 9266

Ion Ratio Lower Upper

43 100

72 13.2 13.4 20.0#

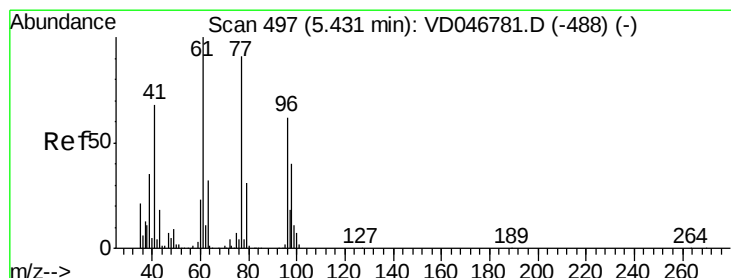
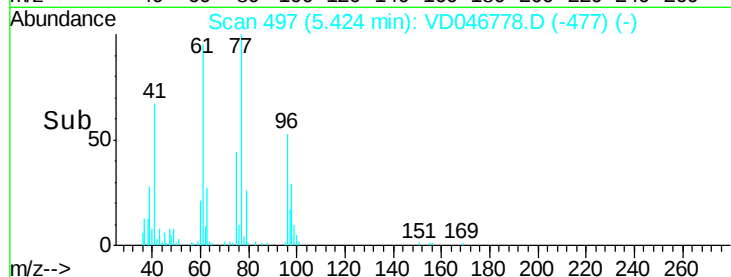
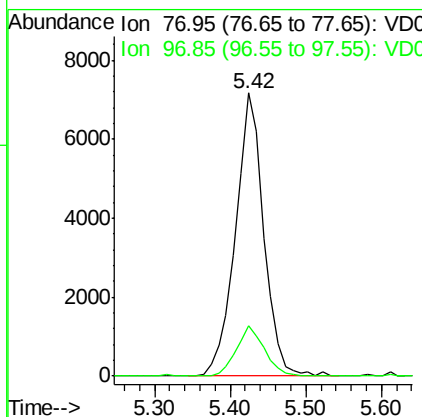
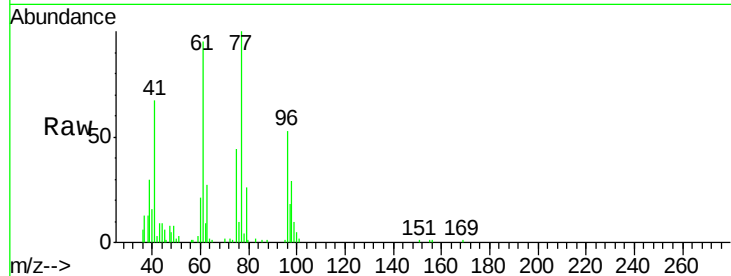




#27
 2,2-Dichloropropane
 Concen: 5.34 ug/l
 RT: 5.42 min Scan# 497
 Delta R.T. -0.01 min
 Lab File: VD046778.D
 Acq: 18 Sep 2015 11:30

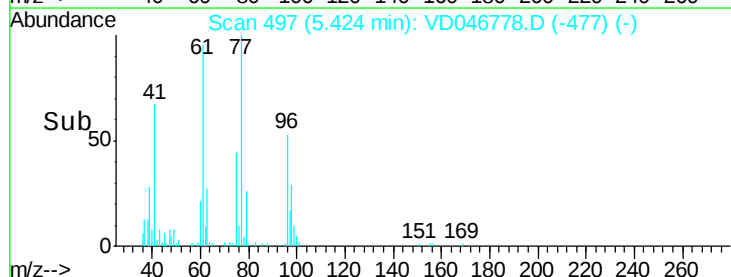
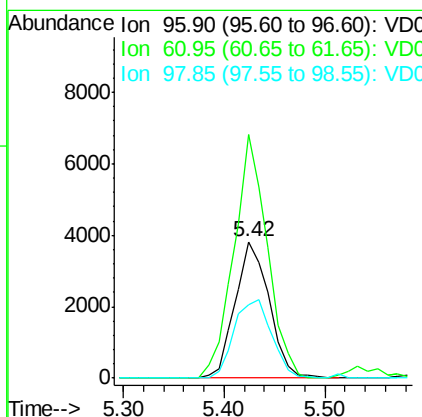
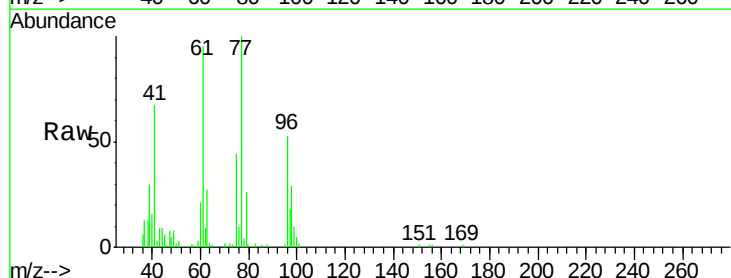
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

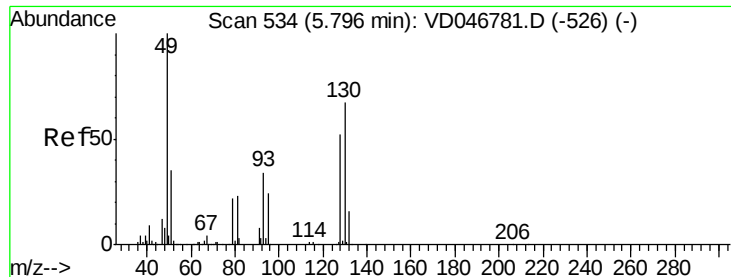
Tot Ion: 77 Resp: 18482
 Ion Ratio Lower Upper
 77 100
 97 17.6 10.4 31.1



#28
 cis-1,2-Dichloroethene
 Concen: 4.73 ug/l
 RT: 5.42 min Scan# 497
 Delta R.T. -0.01 min
 Lab File: VD046778.D
 Acq: 18 Sep 2015 11:30

Tgt Ion: 96 Resp: 9022
 Ion Ratio Lower Upper
 96 100
 61 178.2 0.0 348.0
 98 54.1 0.0 128.8





#29

Bromochloromethane

Concen: 5.07 ug/l

RT: 5.79 min Scan# 534

Delta R.T. -0.01 min

Lab File: VD046778.D

Acq: 18 Sep 2015 11:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

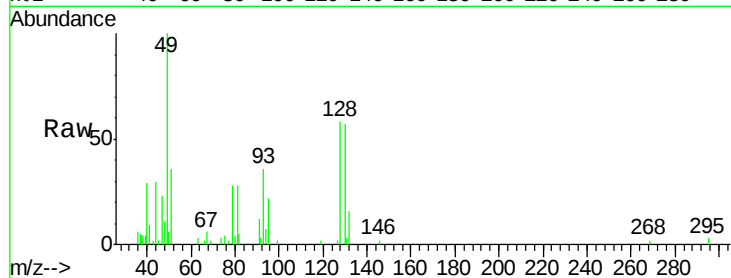
Tot Ion: 49 Resp: 6735

Ion Ratio Lower Upper

49 100

129 0.0 0.0 2.8

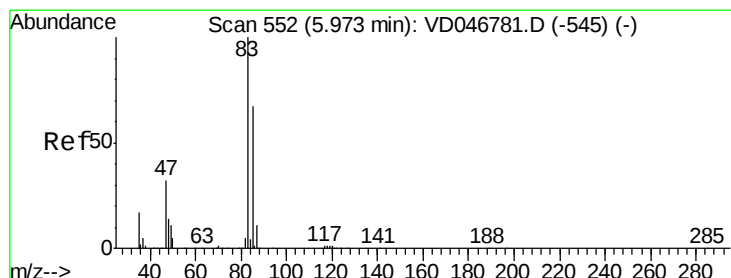
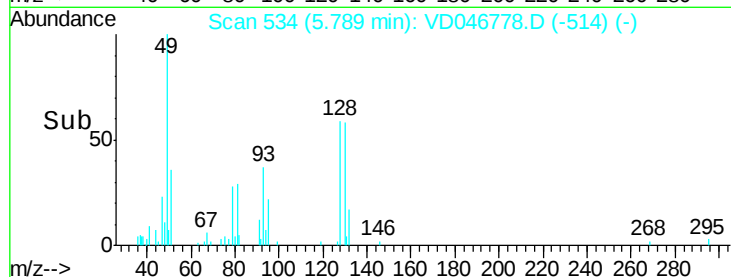
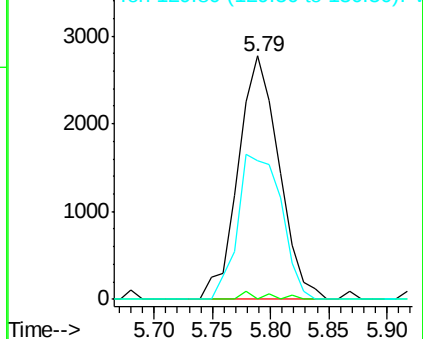
130 57.1 50.2 75.4



Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): VDC

Ion 129.80 (129.50 to 130.50): VDC



#30

Chloroform

Concen: 5.22 ug/l

RT: 5.97 min Scan# 552

Delta R.T. -0.01 min

Lab File: VD046778.D

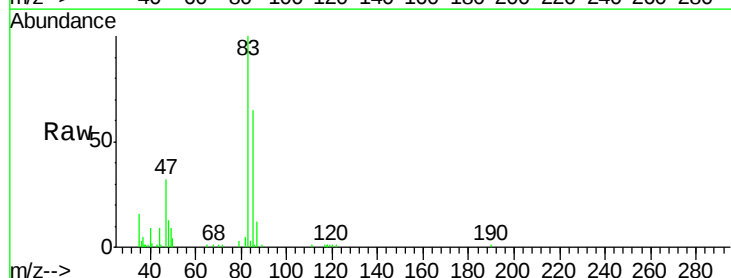
Acq: 18 Sep 2015 11:30

Tgt Ion: 83 Resp: 21361

Ion Ratio Lower Upper

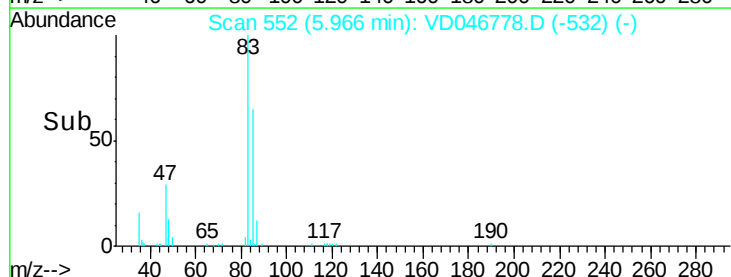
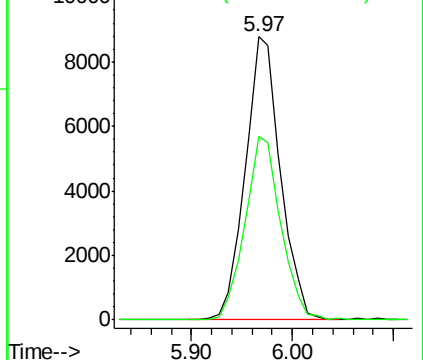
83 100

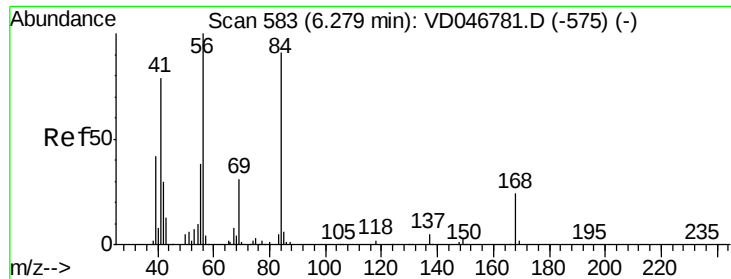
85 64.9 52.5 78.7



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

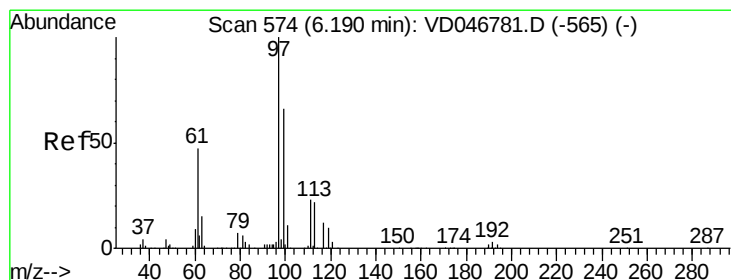
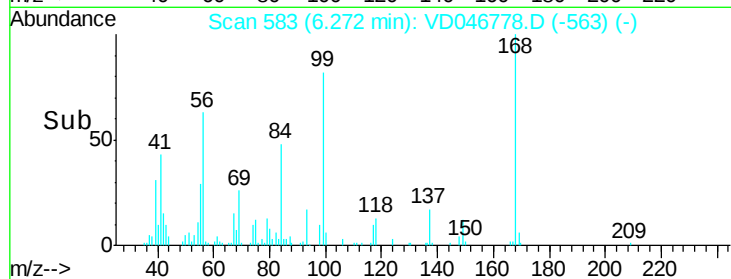
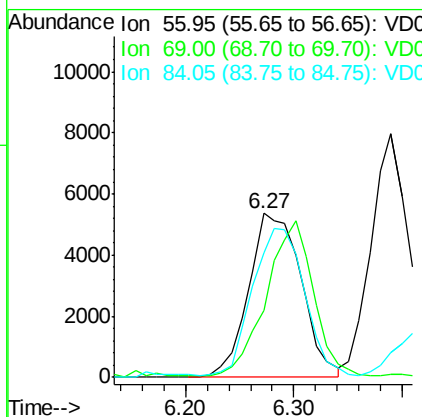
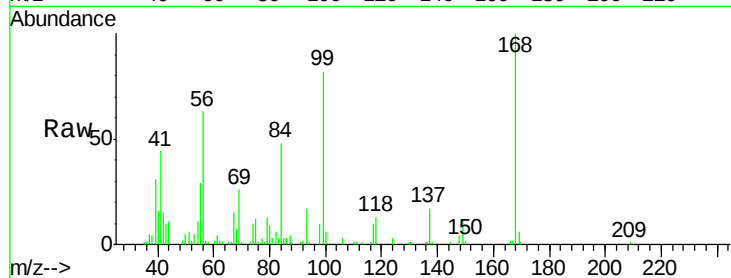




#31
Cyclohexane
Concen: 5.71 ug/l
RT: 6.27 min Scan# 583
Delta R.T. -0.01 min
Lab File: VD046778.D
Acq: 18 Sep 2015 11:30

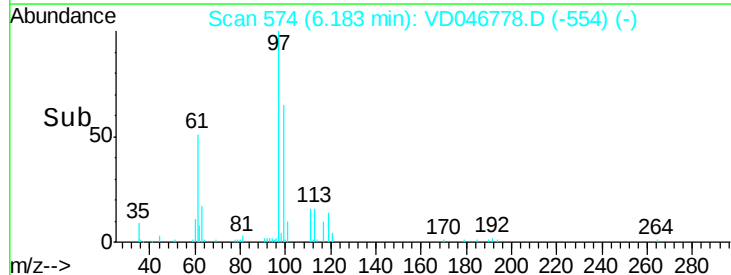
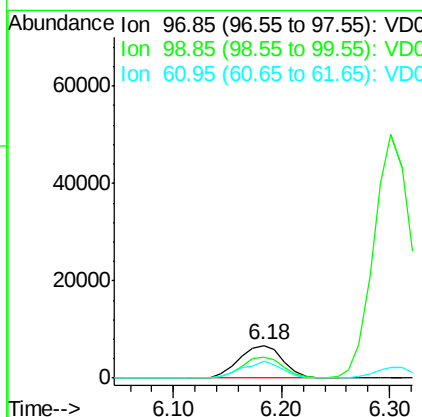
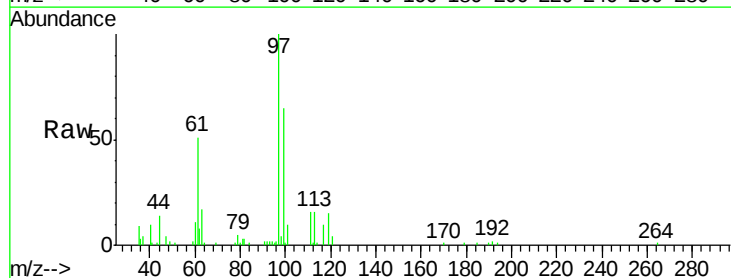
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

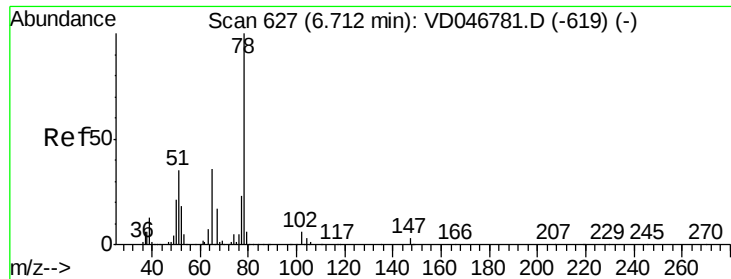
Tot Ion: 56 Resp: 18059
Ion Ratio Lower Upper
56 100
69 41.2 23.4 35.0#
84 75.7 63.8 95.8



#32
1,1,1-Trichloroethane
Concen: 5.19 ug/l
RT: 6.18 min Scan# 574
Delta R.T. -0.01 min
Lab File: VD046778.D
Acq: 18 Sep 2015 11:30

Tgt Ion: 97 Resp: 18899
Ion Ratio Lower Upper
97 100
99 64.9 50.2 75.4
61 51.0 38.6 57.8





#33

1,2-Dichloroethane-d4

Concen: 5.19 ug/l

RT: 6.72 min Scan# 628

Delta R.T. 0.00 min

Lab File: VD046778.D

Acq: 18 Sep 2015 11:30

Instrument :

MSVOA_D

ClientSampleId :

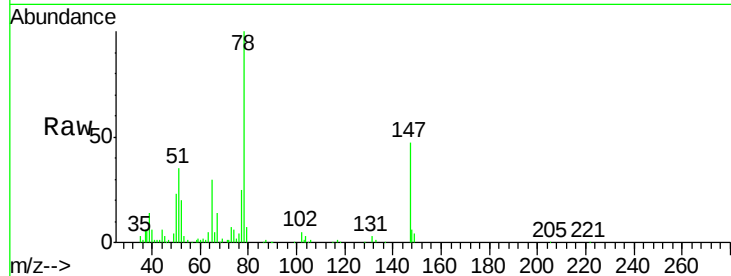
VSTDIC005

Tot Ion: 65 Resp: 11168

Ion Ratio Lower Upper

65 100

67 47.5 0.0 105.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

6.72

5000

4000

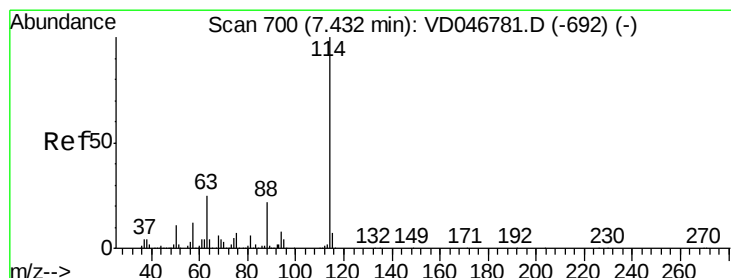
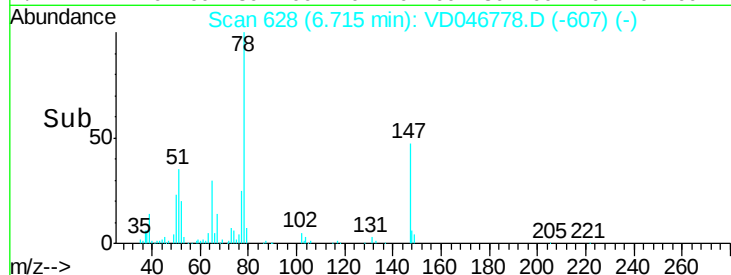
3000

2000

1000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 7.43 min Scan# 700

Delta R.T. -0.01 min

Lab File: VD046778.D

Acq: 18 Sep 2015 11:30

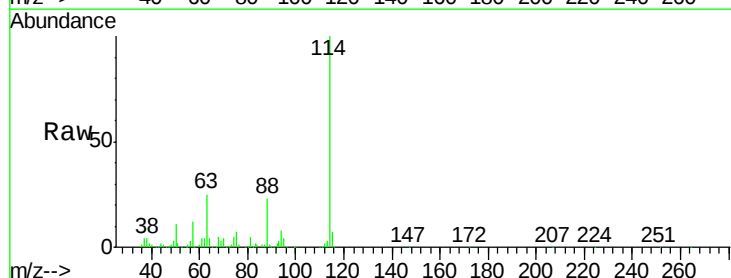
Tgt Ion: 114 Resp: 263267

Ion Ratio Lower Upper

114 100

63 25.2 0.0 49.8

88 23.4 0.0 43.6



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

7.43

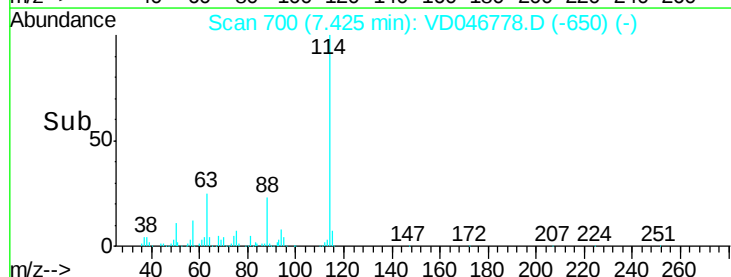
150000

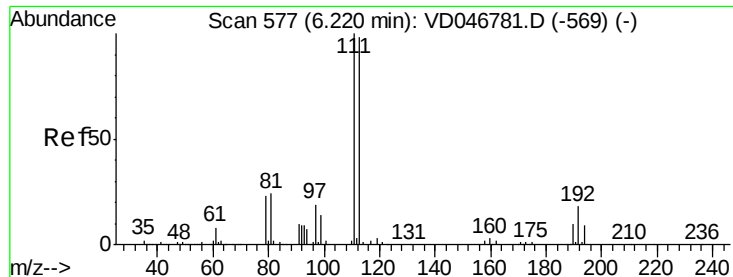
100000

50000

0

Time-->

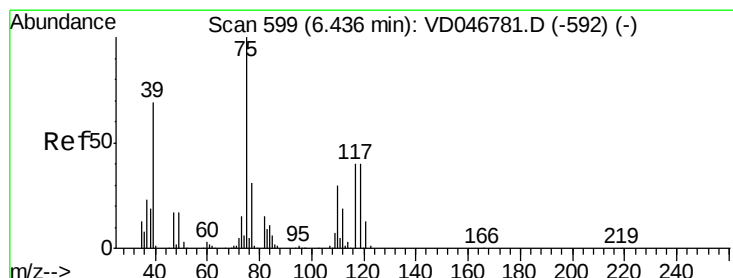
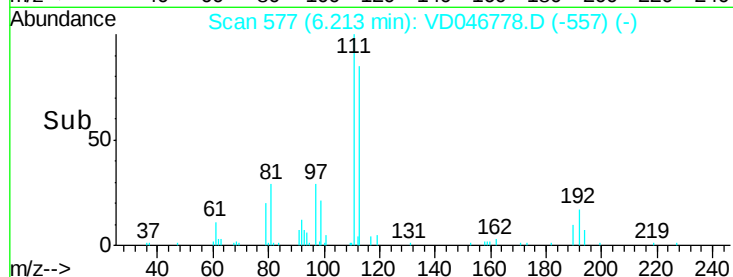
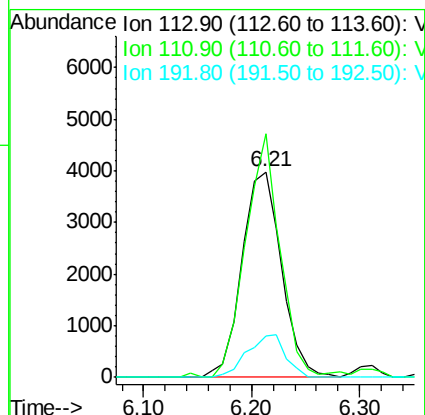
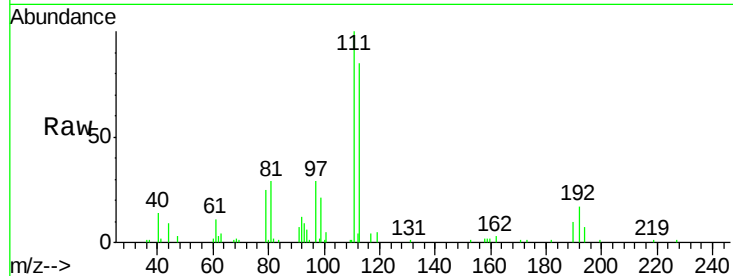




#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 6.21 min Scan# 577
 Delta R.T. -0.01 min
 Lab File: VD046778.D
 Acq: 18 Sep 2015 11:30

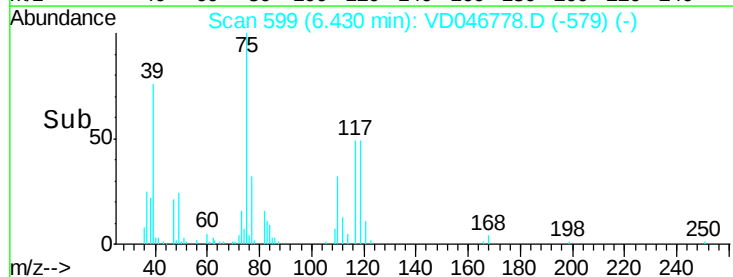
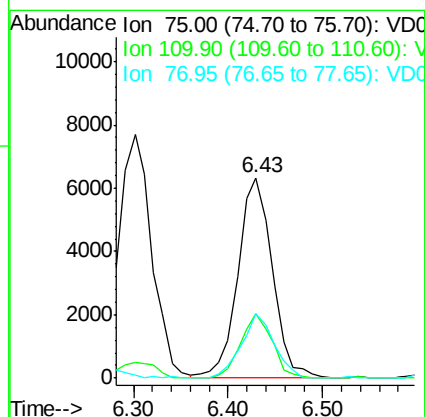
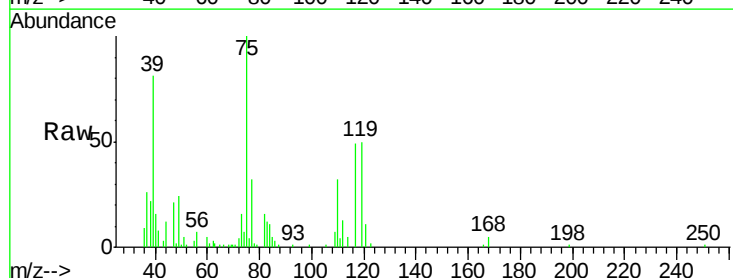
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

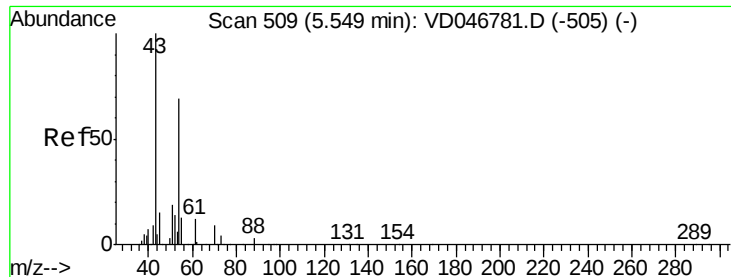
Tot Ion:113 Resp: 10180
 Ion Ratio Lower Upper
 113 100
 111 118.3 79.4 119.0
 192 20.4 14.6 22.0



#36
 1,1-Dichloropropene
 Concen: 5.19 ug/l
 RT: 6.43 min Scan# 599
 Delta R.T. -0.01 min
 Lab File: VD046778.D
 Acq: 18 Sep 2015 11:30

Tgt Ion: 75 Resp: 15981
 Ion Ratio Lower Upper
 75 100
 110 31.9 13.7 41.0
 77 32.4 24.7 37.1

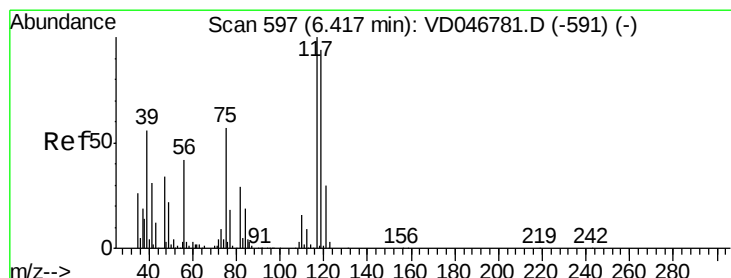
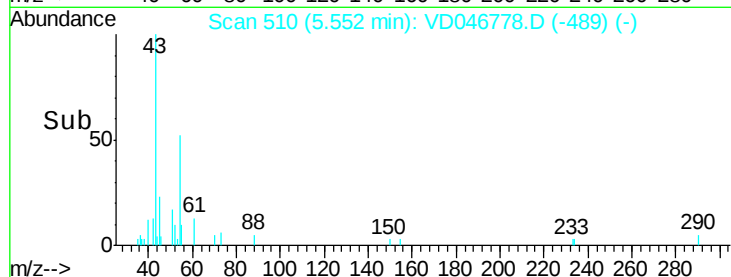
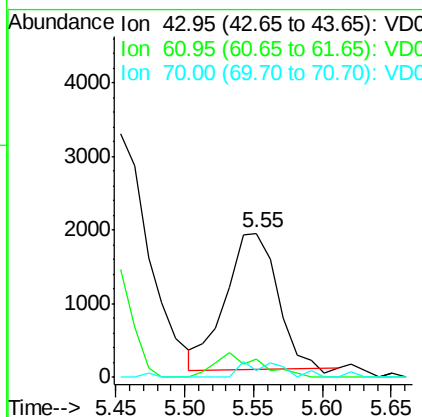
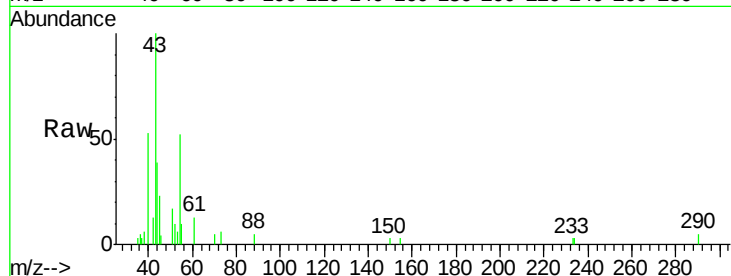




#37
Ethyl Acetate
Concen: 3.97 ug/l
RT: 5.55 min Scan# 510
Delta R.T. 0.00 min
Lab File: VD046778.D
Acq: 18 Sep 2015 11:30

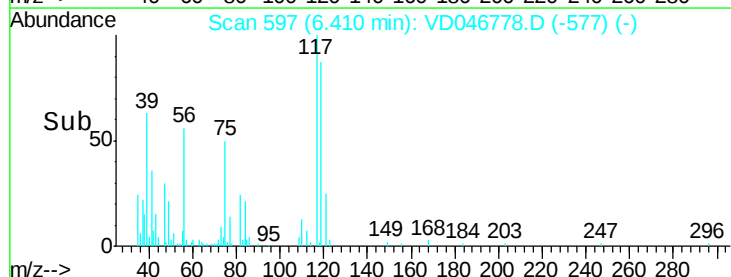
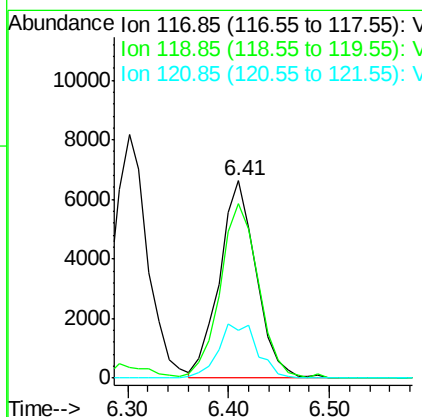
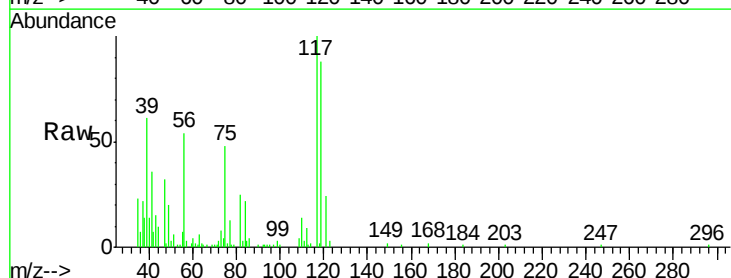
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

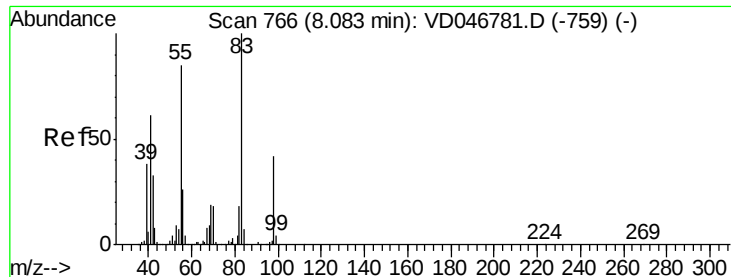
Tot Ion: 43 Resp: 4840
Ion Ratio Lower Upper
43 100
61 13.0 9.4 14.2
70 4.9 6.0 9.0#



#38
Carbon Tetrachloride
Concen: 5.25 ug/l
RT: 6.41 min Scan# 597
Delta R.T. -0.01 min
Lab File: VD046778.D
Acq: 18 Sep 2015 11:30

Tgt Ion: 117 Resp: 16788
Ion Ratio Lower Upper
117 100
119 88.2 76.2 114.4
121 24.2 24.5 36.7#

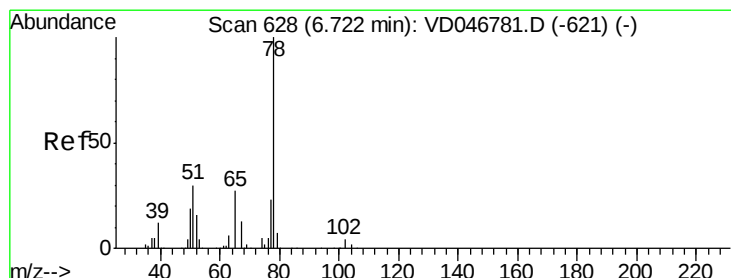
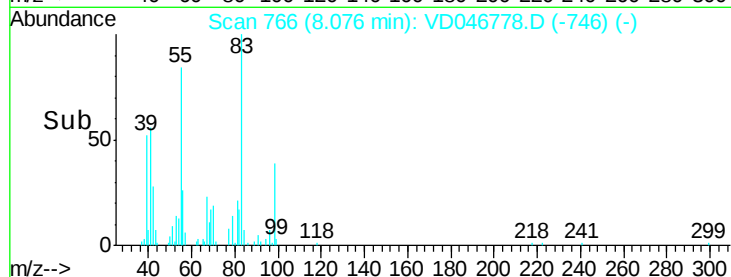
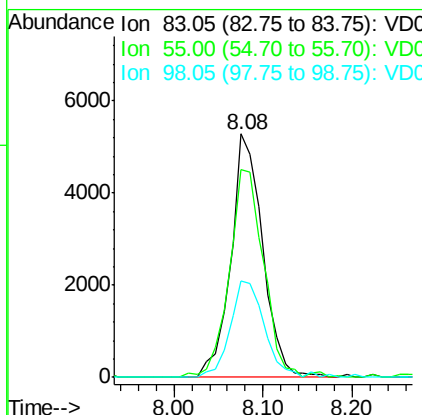
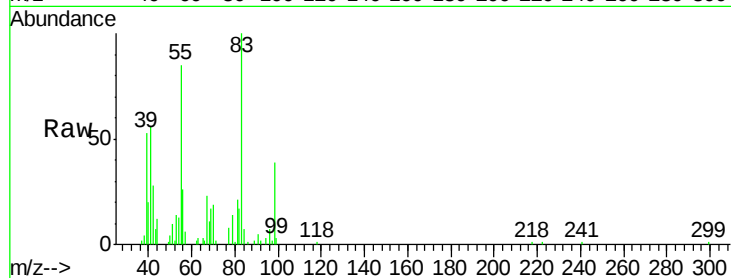




#39
Methvlcvclohexane
Concen: 4.23 ug/l
RT: 8.08 min Scan# 766
Delta R.T. -0.01 min
Lab File: VD046778.D
Acq: 18 Sep 2015 11:30

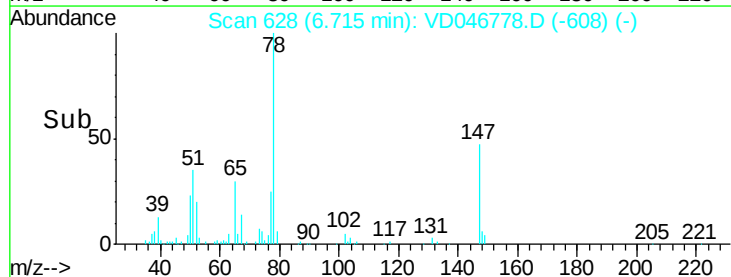
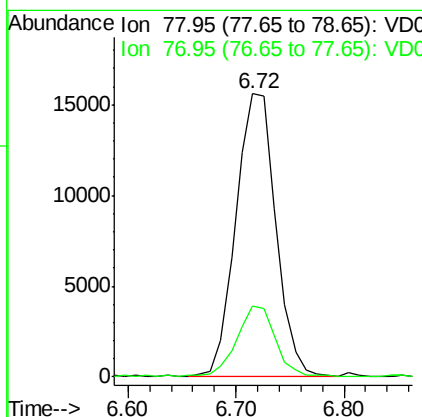
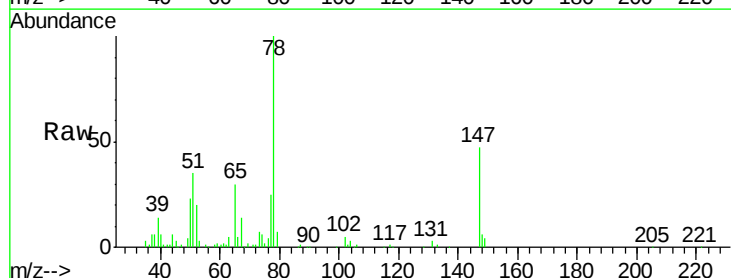
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

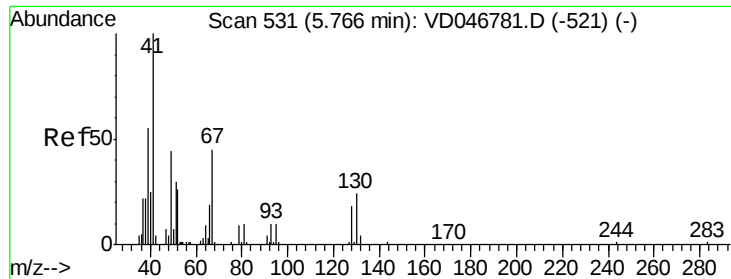
Tot Ion: 83 Resp: 13193
Ion Ratio Lower Upper
83 100
55 85.1 71.1 106.7
98 39.5 34.6 51.8



#40
Benzene
Concen: 5.11 ug/l
RT: 6.72 min Scan# 628
Delta R.T. -0.01 min
Lab File: VD046778.D
Acq: 18 Sep 2015 11:30

Tgt Ion: 78 Resp: 40135
Ion Ratio Lower Upper
78 100
77 25.0 19.9 29.9

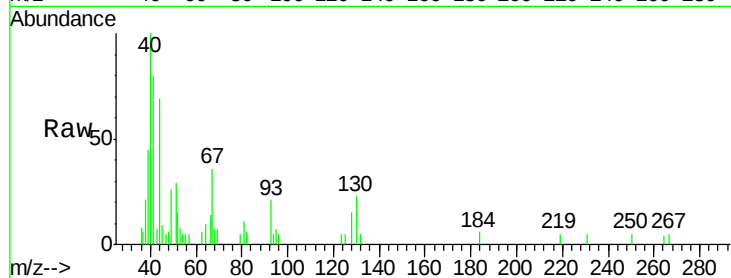




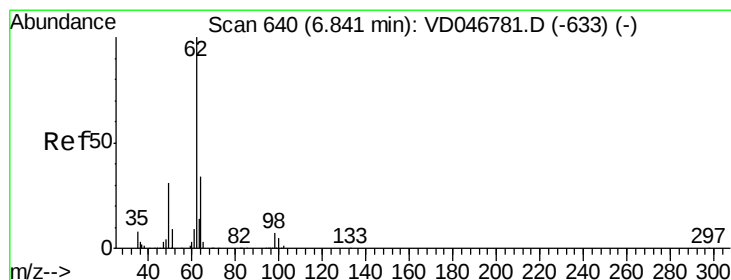
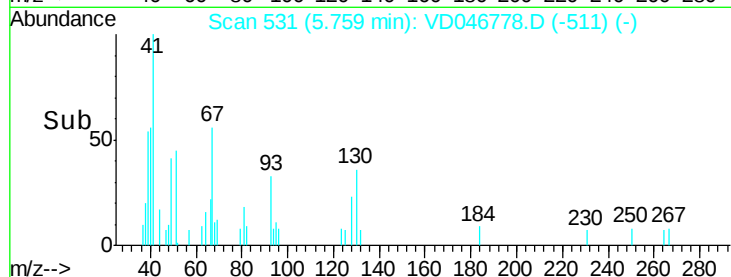
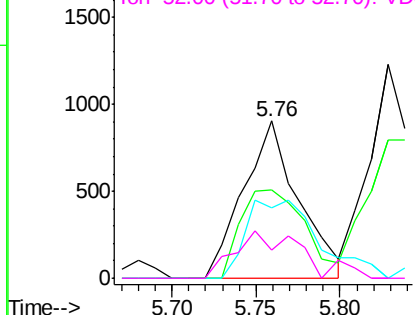
#41
Methacrylonitrile
Concen: 3.71 ug/l
RT: 5.76 min Scan# 531
Delta R.T. -0.01 min
Lab File: VD046778.D
Acq: 18 Sep 2015 11:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion:	41	Resp:	2055
Ion	Ratio	Lower	Upper
41	100		
39	56.1	40.2	60.4
67	44.7	32.0	48.0
52	18.1	13.8	20.8

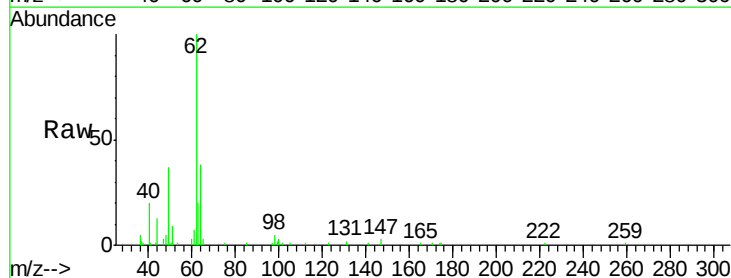


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

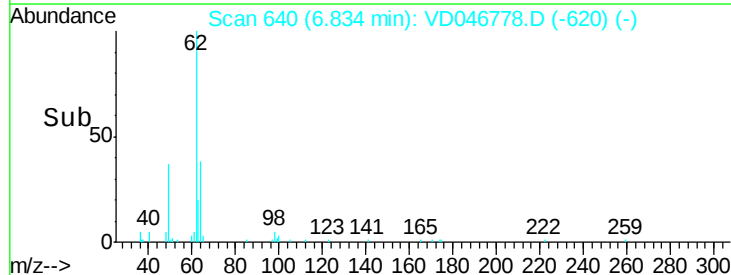
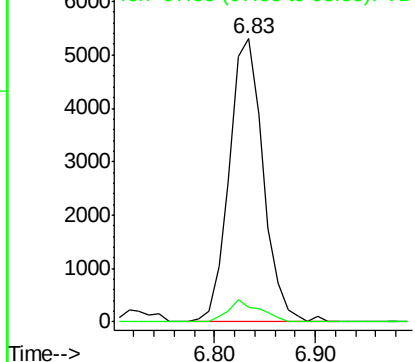


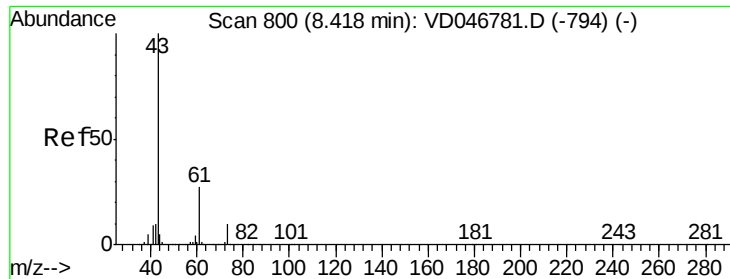
#42
1,2-Dichloroethane
Concen: 5.10 ug/l
RT: 6.83 min Scan# 640
Delta R.T. -0.01 min
Lab File: VD046778.D
Acq: 18 Sep 2015 11:30

Tgt Ion:	62	Resp:	12448
Ion	Ratio	Lower	Upper
62	100		
98	5.1	0.0	16.2



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 4.15 ug/l

RT: 8.41 min Scan# 800

Delta R.T. -0.01 min

Lab File: VD046778.D

Acq: 18 Sep 2015 11:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

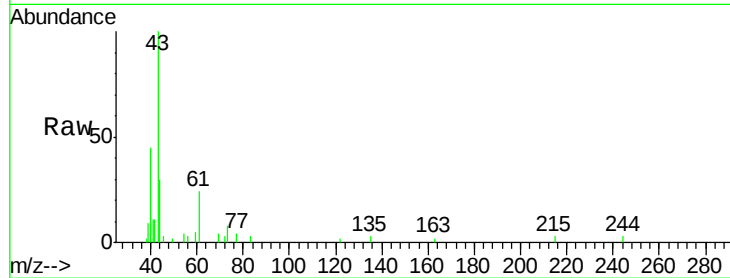
Tot Ion: 43 Resp: 5403

Ion Ratio Lower Upper

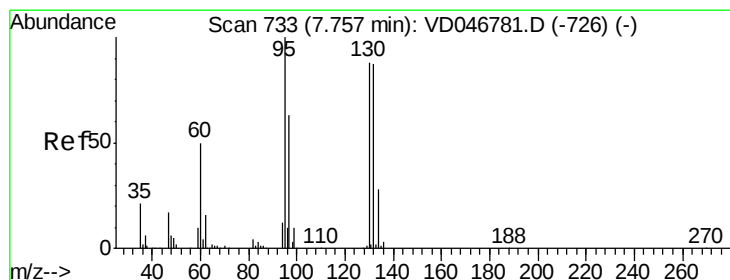
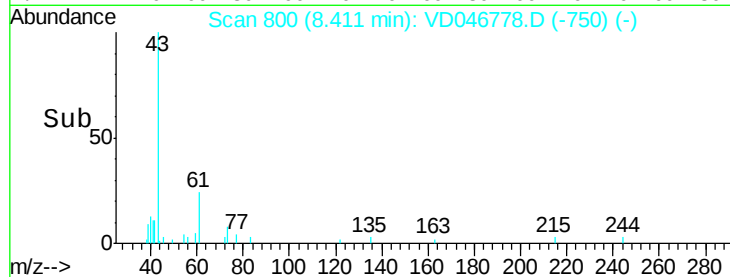
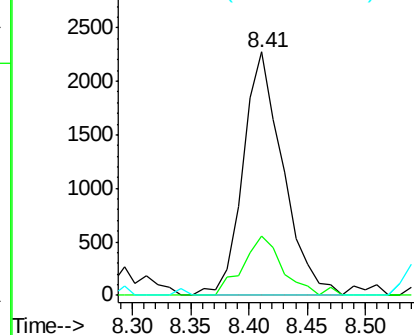
43 100

61 24.3 19.5 29.3

87 0.0 0.2 0.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 4.81 ug/l

RT: 7.75 min Scan# 733

Delta R.T. -0.01 min

Lab File: VD046778.D

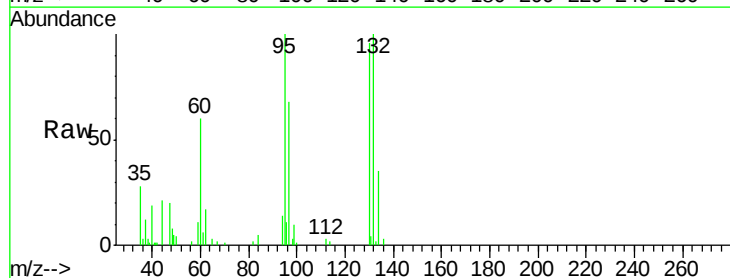
Acq: 18 Sep 2015 11:30

Tgt Ion: 130 Resp: 9458

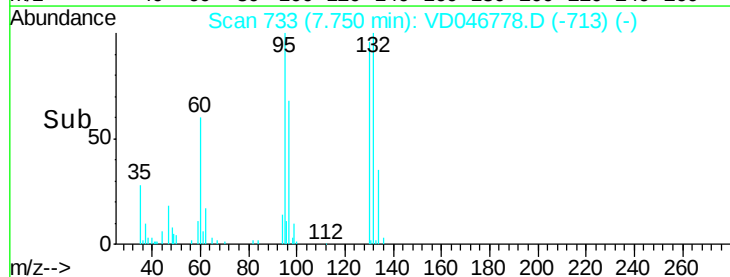
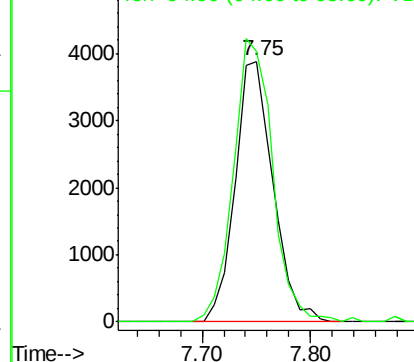
Ion Ratio Lower Upper

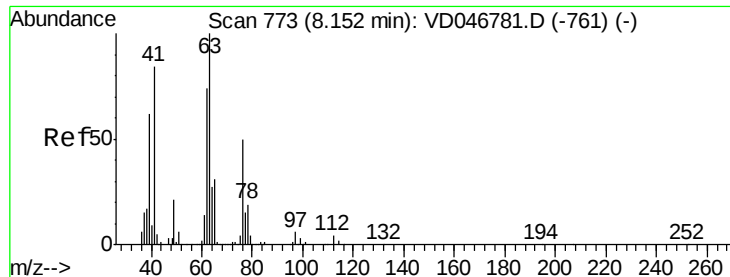
130 100

95 103.7 0.0 229.4



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 5.00 ug/l

RT: 8.14 min Scan# 773

Delta R.T. -0.01 min

Lab File: VD046778.D

Acq: 18 Sep 2015 11:30

Instrument :

MSVOA_D

ClientSampleId :

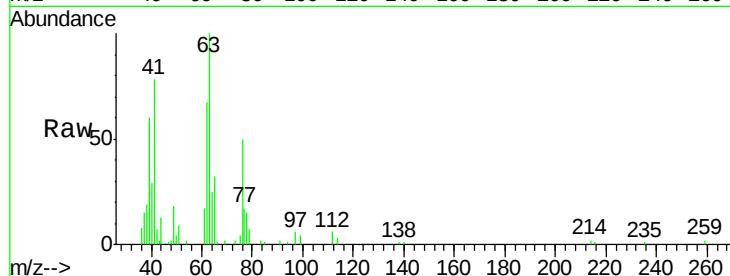
VSTDIC005

Tot Ion: 63 Resp: 9736

Ion Ratio Lower Upper

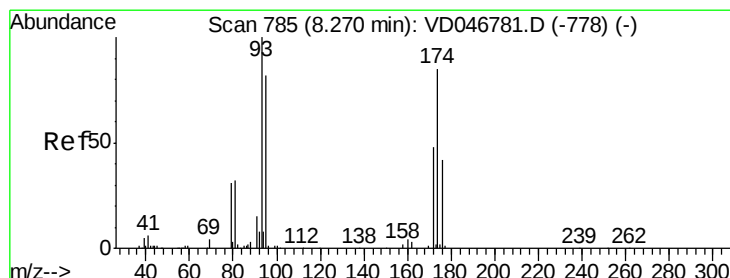
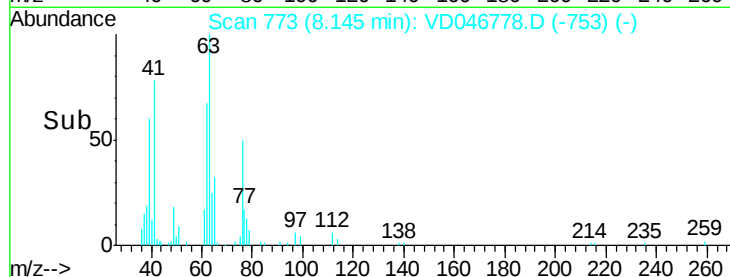
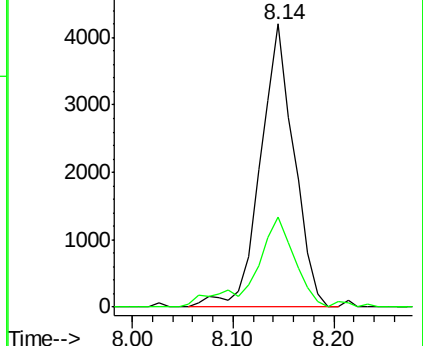
63 100

65 31.9 25.1 37.7



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 5.07 ug/l

RT: 8.27 min Scan# 786

Delta R.T. 0.00 min

Lab File: VD046778.D

Acq: 18 Sep 2015 11:30

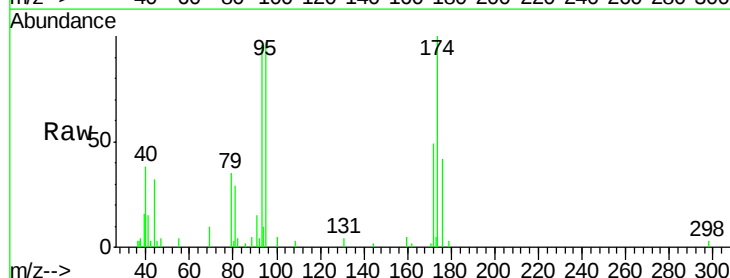
Tgt Ion: 93 Resp: 5601

Ion Ratio Lower Upper

93 100

95 101.5 70.2 105.2

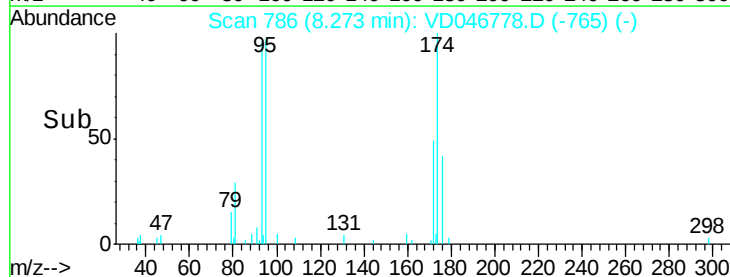
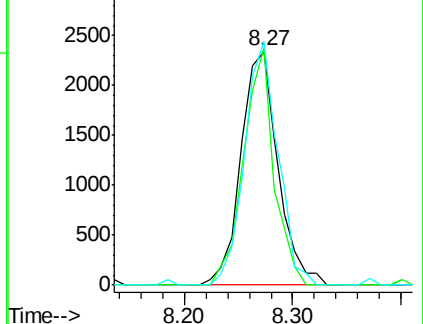
174 104.3 79.0 118.4

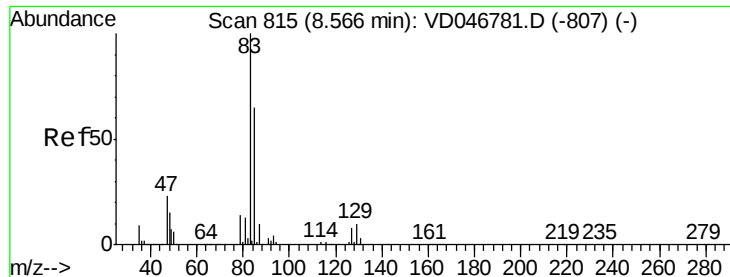


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 5.06 ug/l

RT: 8.56 min Scan# 815

Delta R.T. -0.01 min

Lab File: VD046778.D

Acq: 18 Sep 2015 11:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

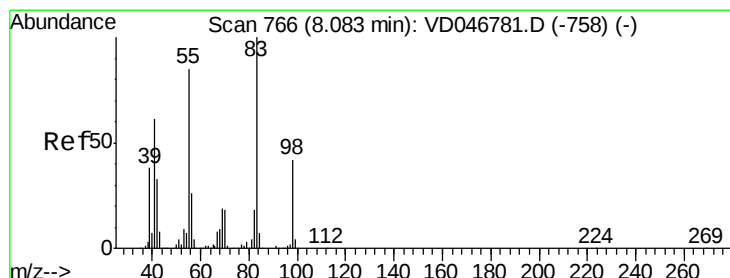
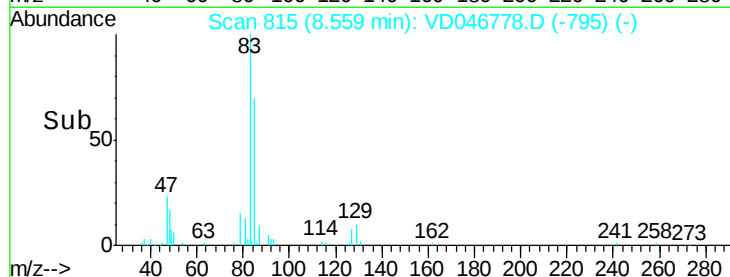
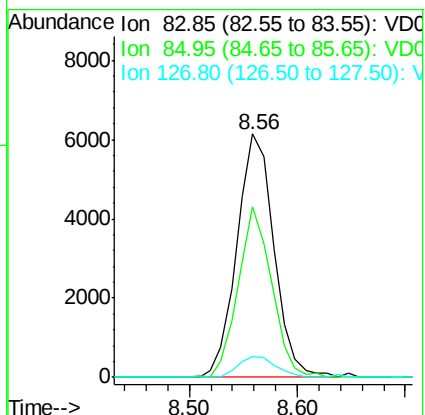
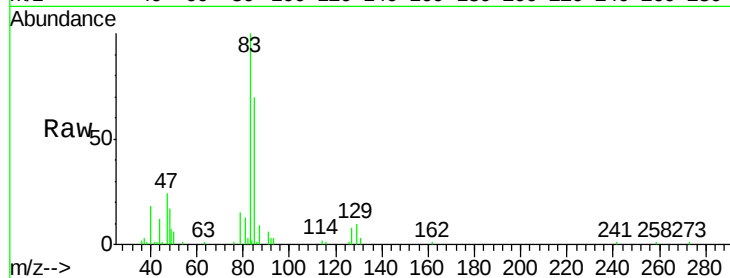
Tot Ion: 83 Resp: 14687

Ion Ratio Lower Upper

83 100

85 70.1 52.6 78.8

127 8.4 5.7 8.5



#48

Methyl methacrylate

Concen: 4.02 ug/l

RT: 8.09 min Scan# 767

Delta R.T. 0.00 min

Lab File: VD046778.D

Acq: 18 Sep 2015 11:30

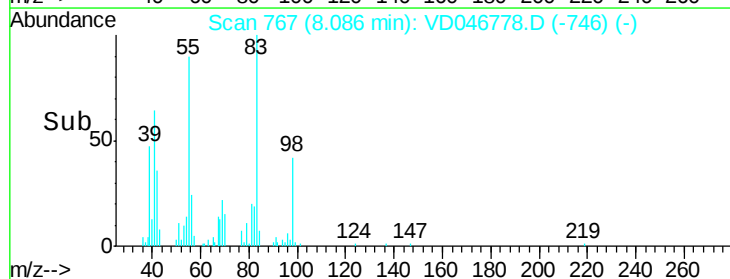
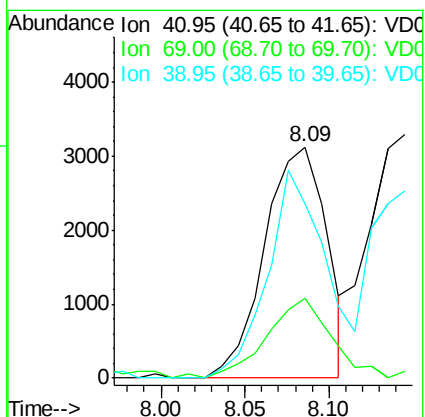
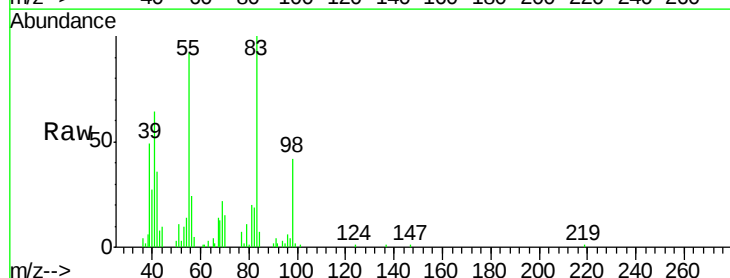
Tgt Ion: 41 Resp: 8008

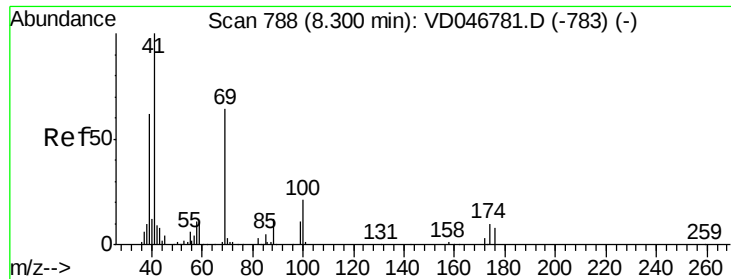
Ion Ratio Lower Upper

41 100

69 34.6 25.3 37.9

39 75.5 47.4 71.0#

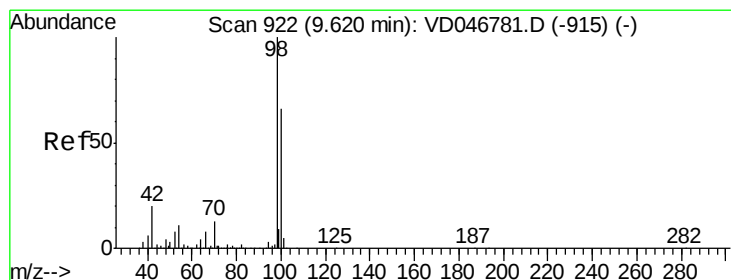
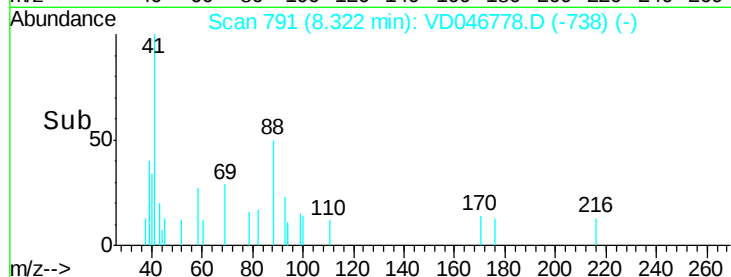
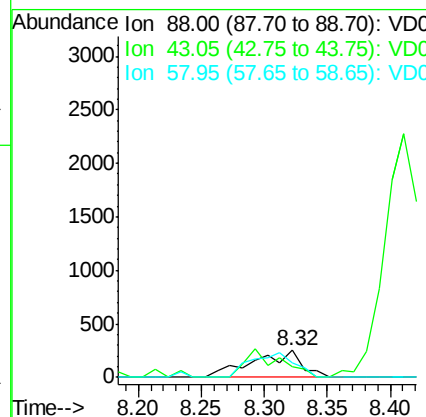
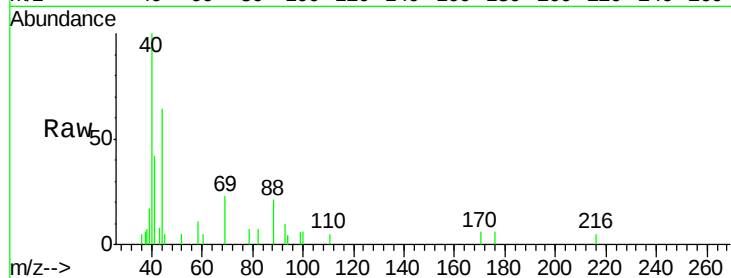




#49
1,4-Dioxane
Concen: 92.83 ug/l
RT: 8.32 min Scan# 791
Delta R.T. 0.02 min
Lab File: VD046778.D
Acq: 18 Sep 2015 11:30

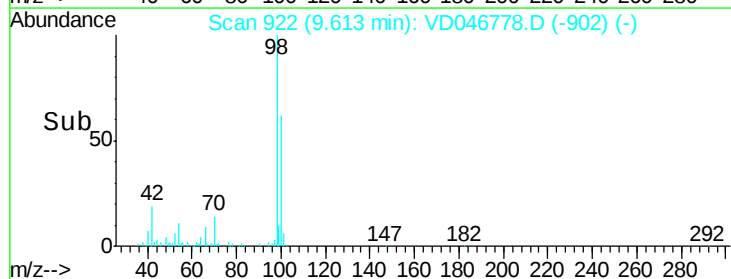
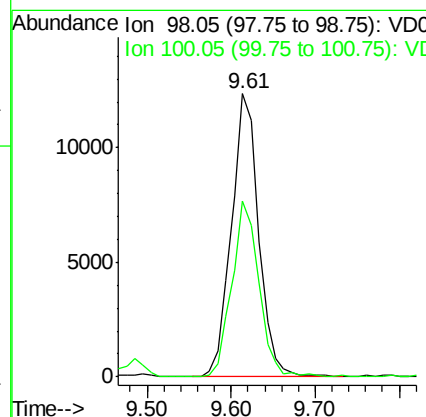
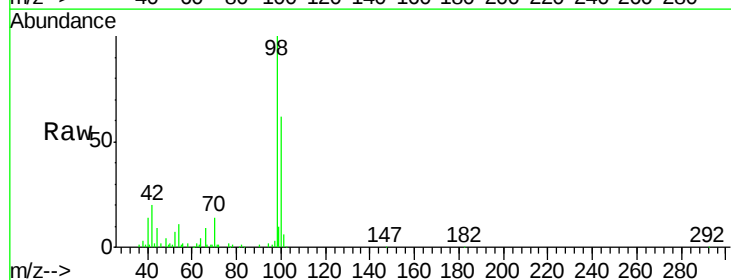
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

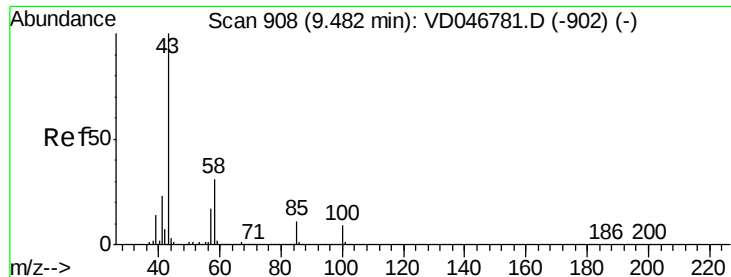
Tot Ion: 88 Resp: 684
Ion Ratio Lower Upper
88 100
43 40.1 50.0 75.0#
58 53.2 48.3 72.5



#50
Toluene-d8
Concen: 92.83 ug/l
RT: 9.61 min Scan# 922
Delta R.T. -0.01 min
Lab File: VD046778.D
Acq: 18 Sep 2015 11:30

Tgt Ion: 98 Resp: 27808
Ion Ratio Lower Upper
98 100
100 62.1 49.9 74.9





#51

4-Methyl-2-Pentanone

Concen: 19.37 ug/l

RT: 9.49 min Scan# 909

Delta R.T. 0.00 min

Lab File: VD046778.D

Acq: 18 Sep 2015 11:30

Instrument :

MSVOA_D

ClientSampleId :

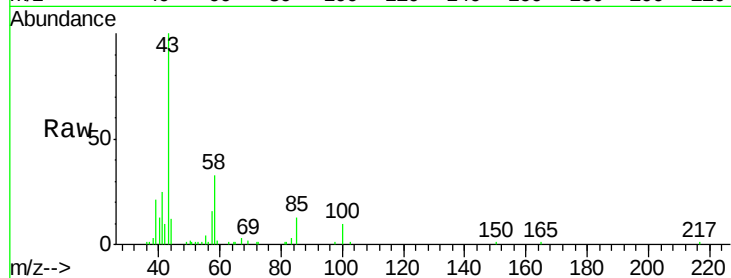
VSTDIC005

Tot Ion: 43 Resp: 18231

Ion Ratio Lower Upper

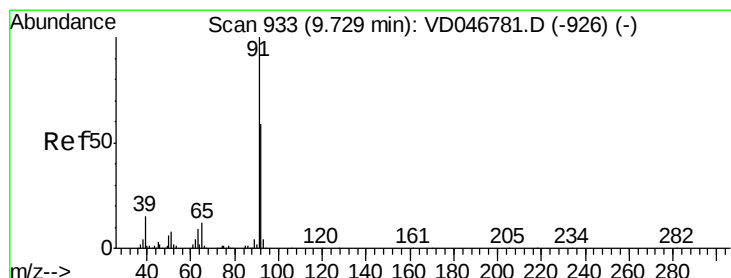
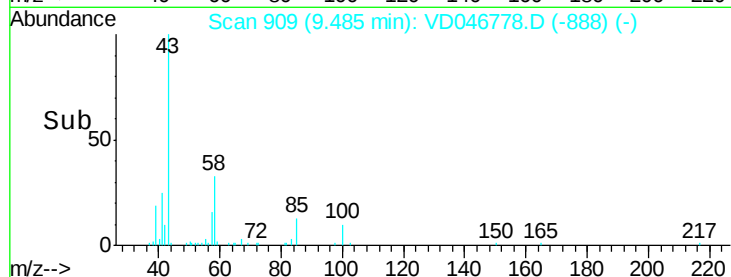
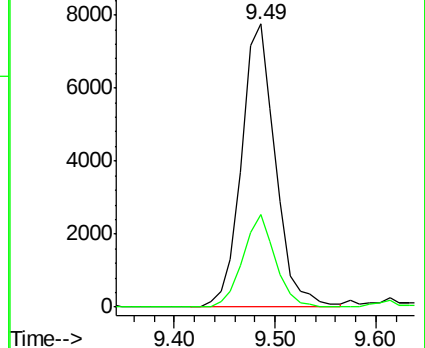
43 100

58 32.8 22.2 33.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 4.42 ug/l

RT: 9.72 min Scan# 933

Delta R.T. -0.01 min

Lab File: VD046778.D

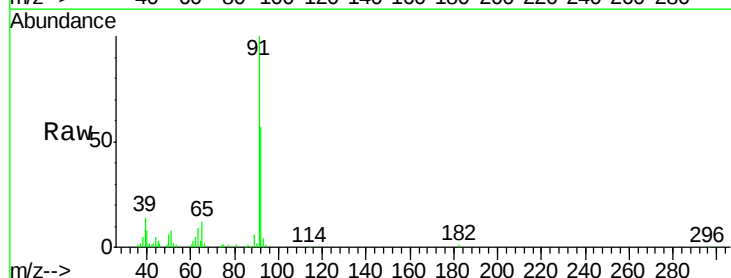
Acq: 18 Sep 2015 11:30

Tgt Ion: 92 Resp: 21427

Ion Ratio Lower Upper

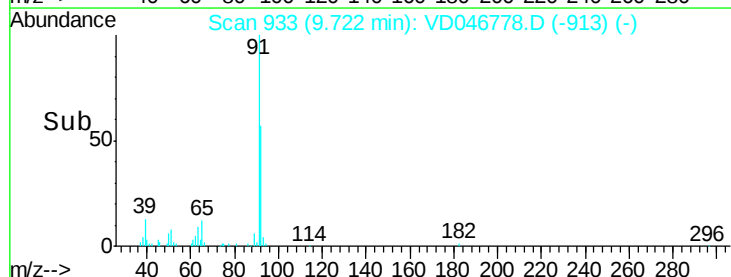
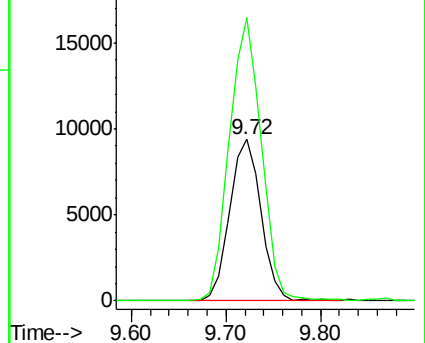
92 100

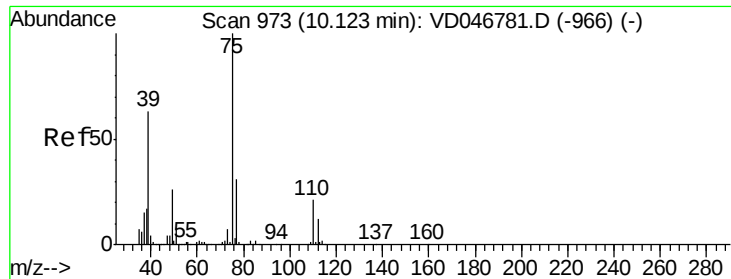
91 175.0 139.4 209.0



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

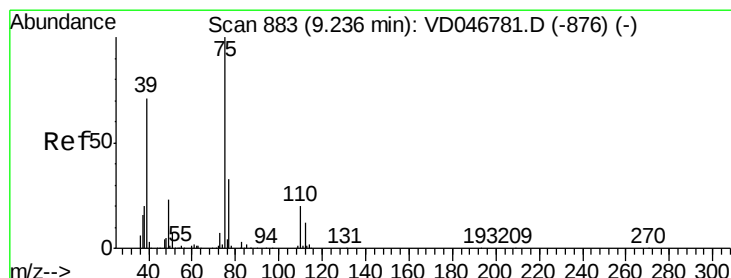
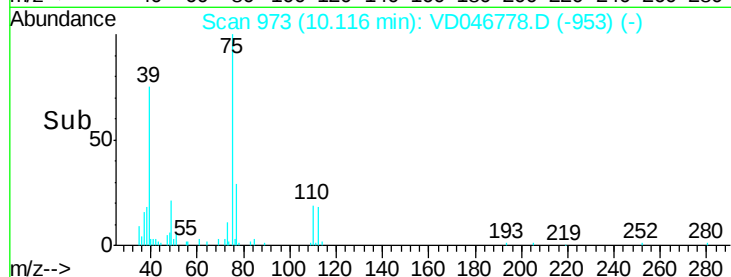
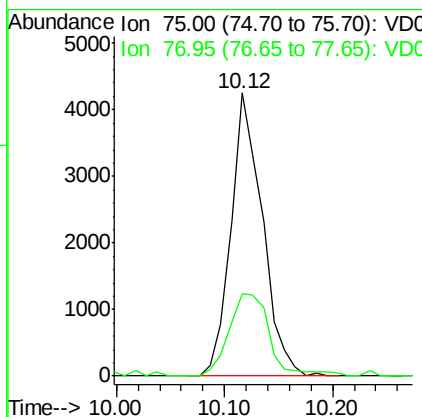
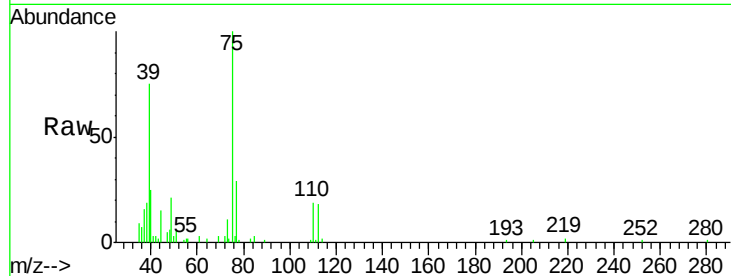




#53
t-1,3-Dichloropropene
Concen: 4.01 ug/l
RT: 10.12 min Scan# 973
Delta R.T. -0.01 min
Lab File: VD046778.D
Acq: 18 Sep 2015 11:30

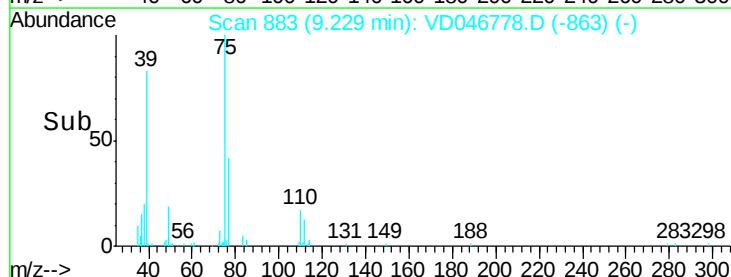
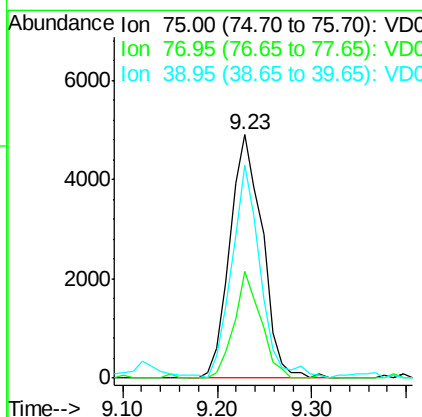
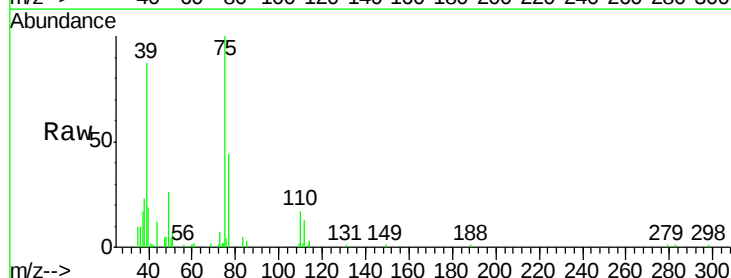
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

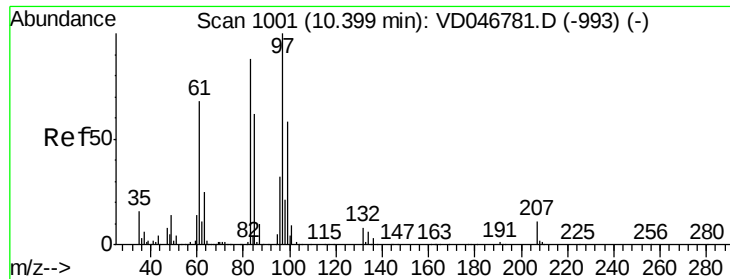
Tot Ion: 75 Resp: 8596
Ion Ratio Lower Upper
75 100
77 29.0 27.6 41.4



#54
cis-1,3-Dichloropropene
Concen: 4.22 ug/l
RT: 9.23 min Scan# 883
Delta R.T. -0.01 min
Lab File: VD046778.D
Acq: 18 Sep 2015 11:30

Tgt Ion: 75 Resp: 11640
Ion Ratio Lower Upper
75 100
77 43.8 23.8 35.6#
39 87.4 53.0 79.6#

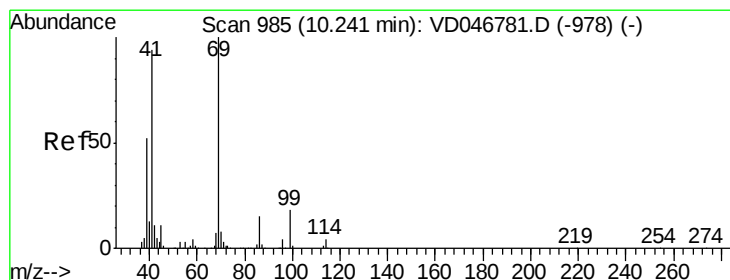
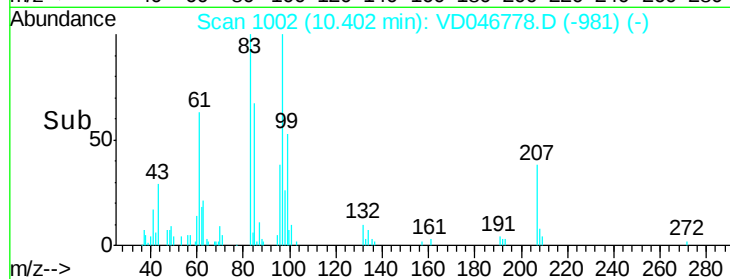
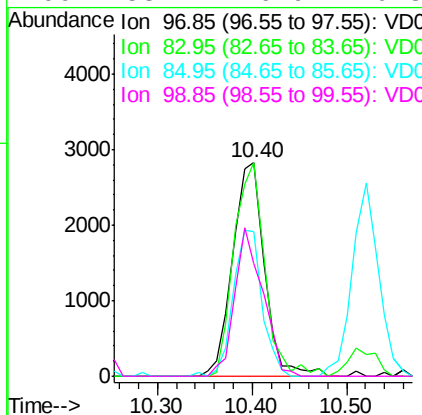
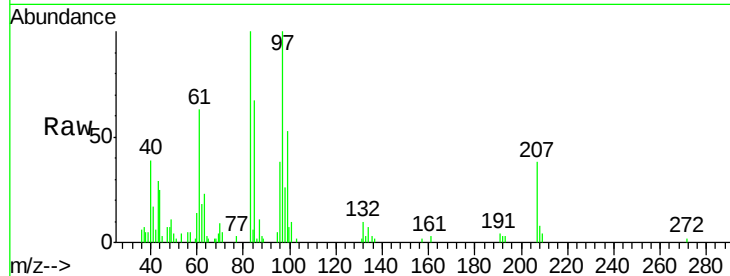




#55
 1,1,2-Trichloroethane
 Concen: 5.26 ug/l
 RT: 10.40 min Scan# 1002
 Delta R.T. 0.00 min
 Lab File: VD046778.D
 Acq: 18 Sep 2015 11:30

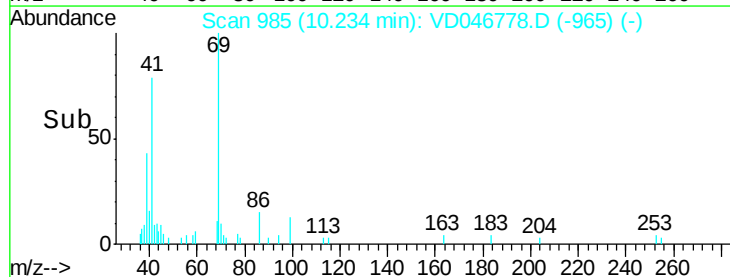
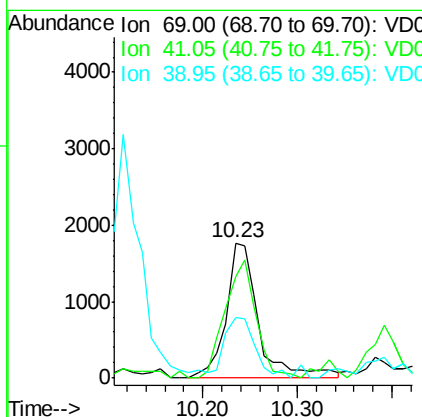
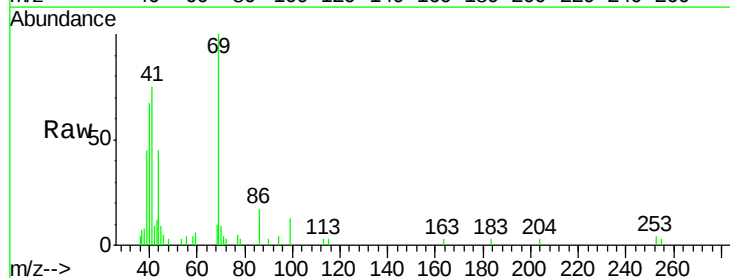
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

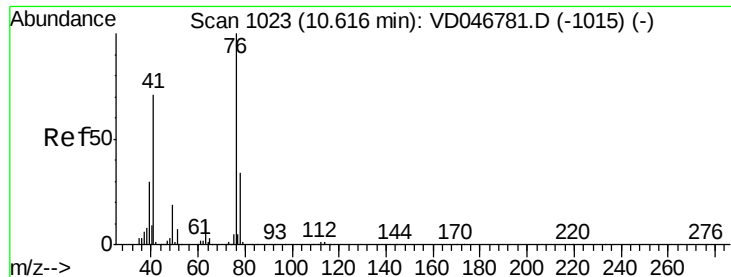
Tot Ion: 97 Resp: 6600
 Ion Ratio Lower Upper
 97 100
 83 100.1 75.3 112.9
 85 67.6 50.9 76.3
 99 53.1 46.9 70.3



#56
 Ethyl methacrylate
 Concen: 6.86 ug/l
 RT: 10.23 min Scan# 985
 Delta R.T. -0.01 min
 Lab File: VD046778.D
 Acq: 18 Sep 2015 11:30

Tgt Ion: 69 Resp: 4219
 Ion Ratio Lower Upper
 69 100
 41 75.5 75.4 113.0
 39 44.7 41.0 61.4

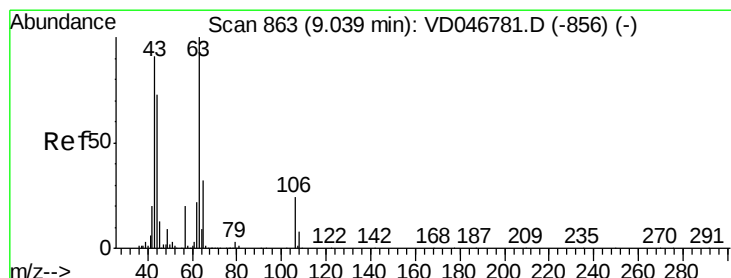
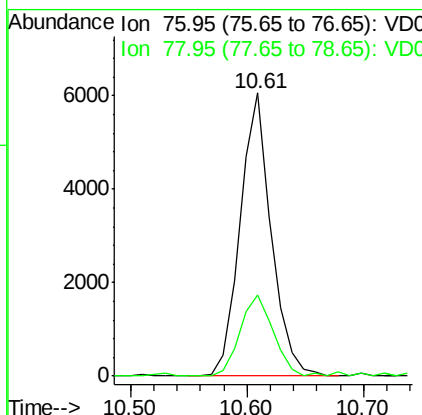
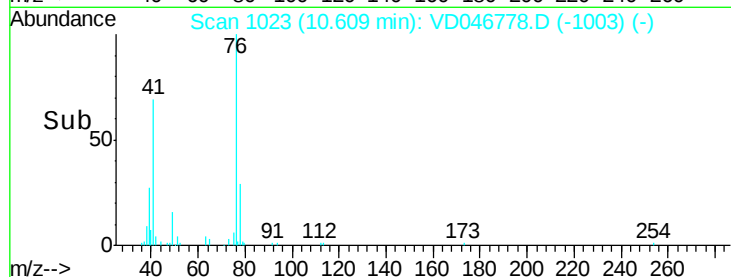
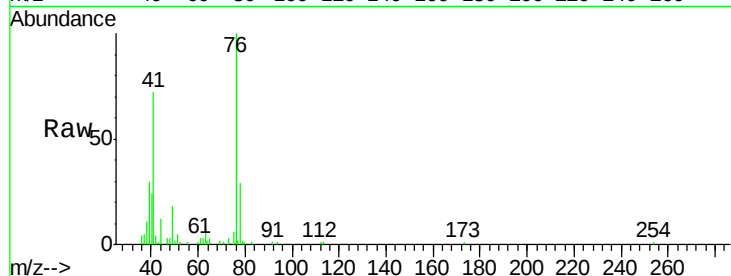




#57
 1,3-Dichloropropane
 Concen: 4.79 ug/l
 RT: 10.61 min Scan# 1023
 Delta R.T. -0.01 min
 Lab File: VD046778.D
 Acq: 18 Sep 2015 11:30

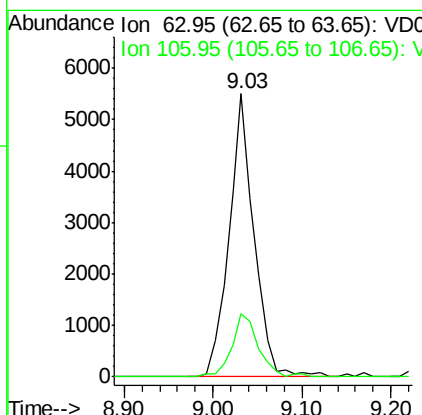
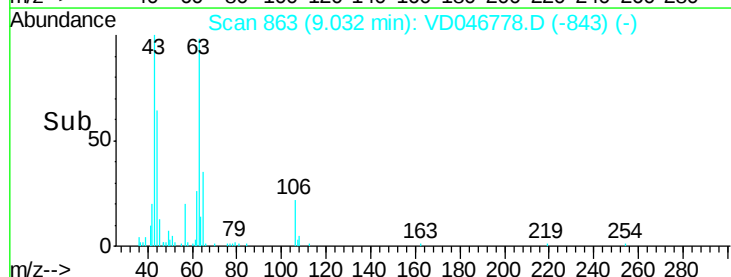
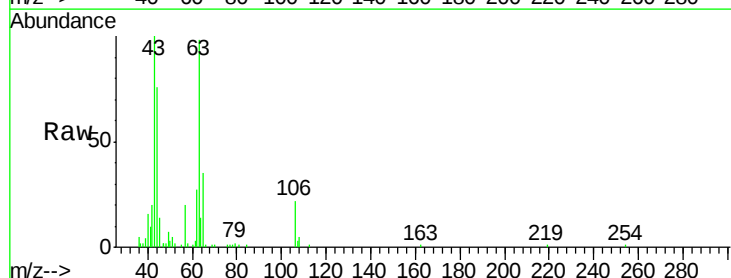
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

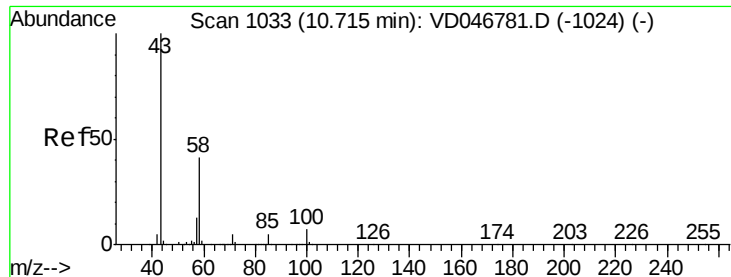
Tot Ion: 76 Resp: 11178
 Ion Ratio Lower Upper
 76 100
 78 28.8 26.6 39.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 19.24 ug/l
 RT: 9.03 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VD046778.D
 Acq: 18 Sep 2015 11:30

Tgt Ion: 63 Resp: 10836
 Ion Ratio Lower Upper
 63 100
 106 22.2 17.8 26.8

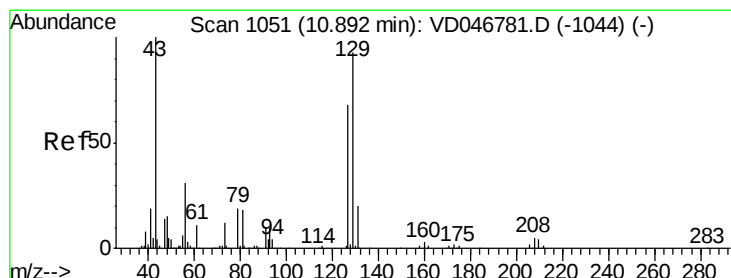
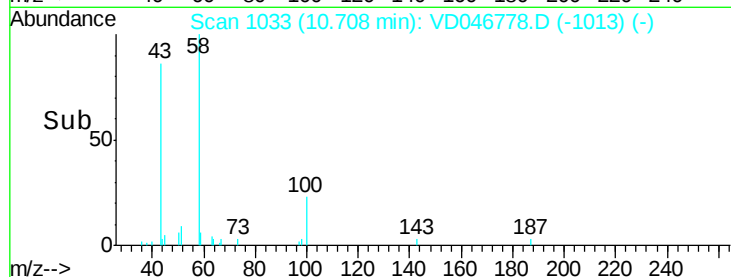
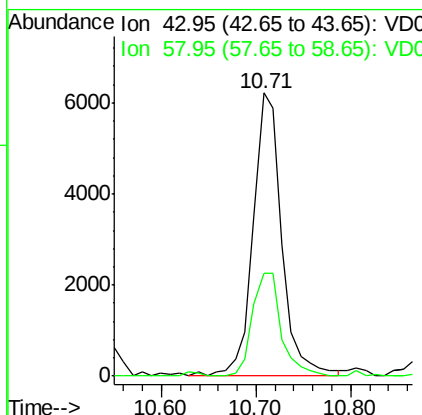
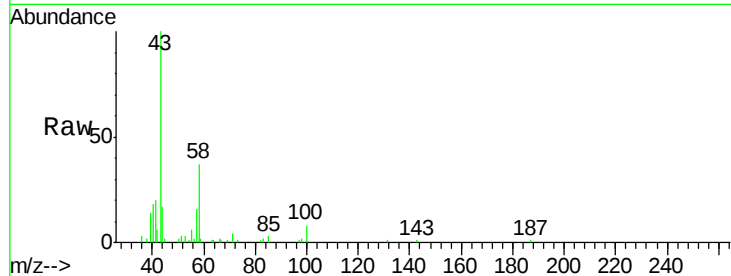




#59
2-Hexanone
Concen: 29.88 ug/l
RT: 10.71 min Scan# 1033
Delta R.T. -0.01 min
Lab File: VD046778.D
Acq: 18 Sep 2015 11:30

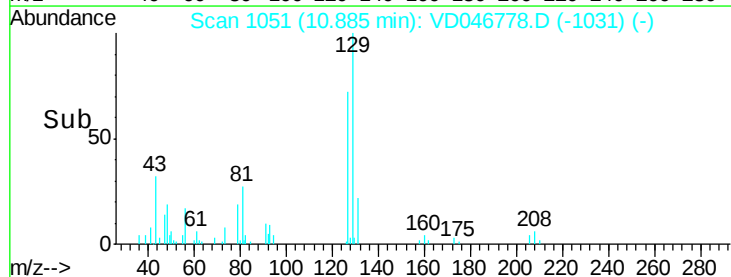
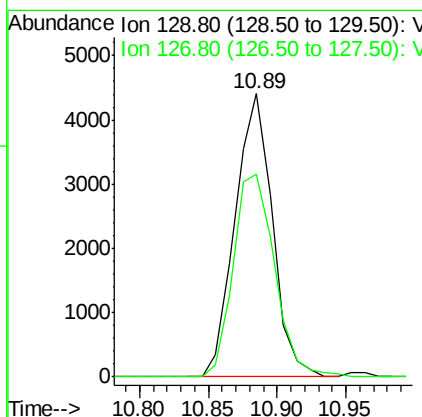
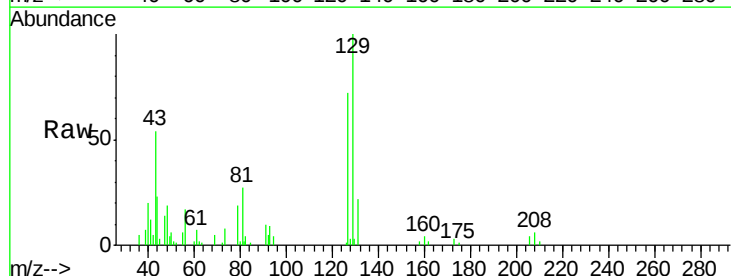
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

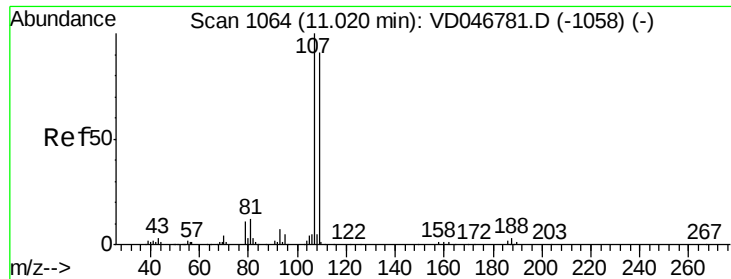
Tot Ion: 43 Resp: 13161
Ion Ratio Lower Upper
43 100
58 36.5 18.6 55.8



#60
Dibromochloromethane
Concen: 4.83 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. -0.01 min
Lab File: VD046778.D
Acq: 18 Sep 2015 11:30

Tgt Ion: 129 Resp: 8316
Ion Ratio Lower Upper
129 100
127 71.6 38.2 114.6





#61

1,2-Dibromoethane

Concen: 4.97 ug/l

RT: 11.02 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VD046778.D

Acq: 18 Sep 2015 11:30

Instrument :

MSVOA_D

ClientSampleId :

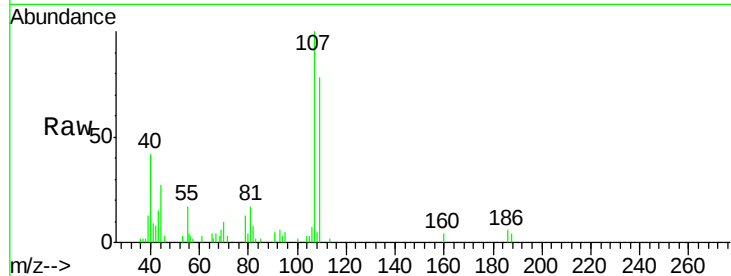
VSTDIC005

Tot Ion:107 Resp: 6157

Ion Ratio Lower Upper

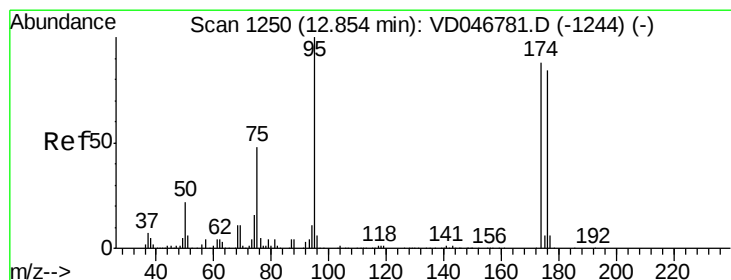
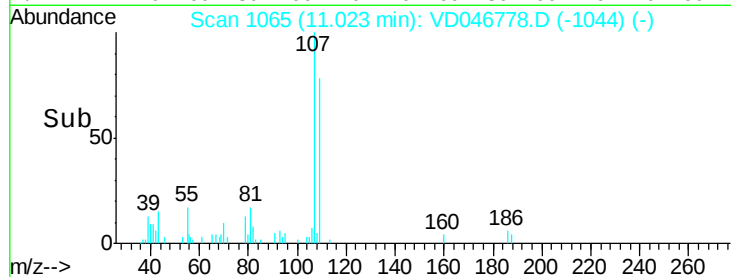
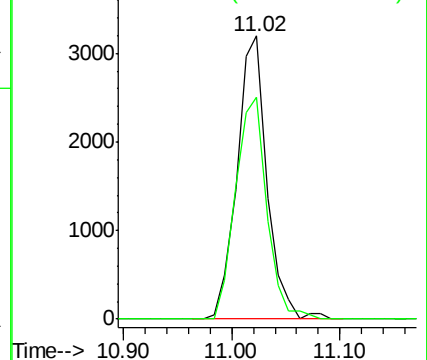
107 100

109 78.4 71.4 107.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 4.97 ug/l

RT: 12.85 min Scan# 1250

Delta R.T. -0.01 min

Lab File: VD046778.D

Acq: 18 Sep 2015 11:30

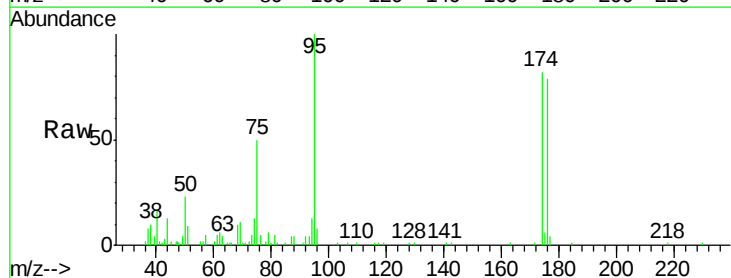
Tgt Ion: 95 Resp: 12513

Ion Ratio Lower Upper

95 100

174 81.6 0.0 149.8

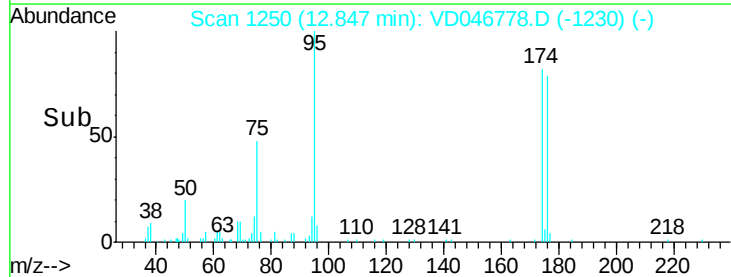
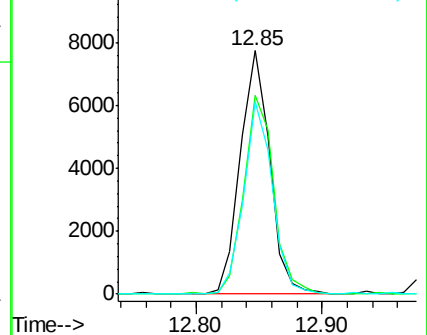
176 79.2 0.0 143.4

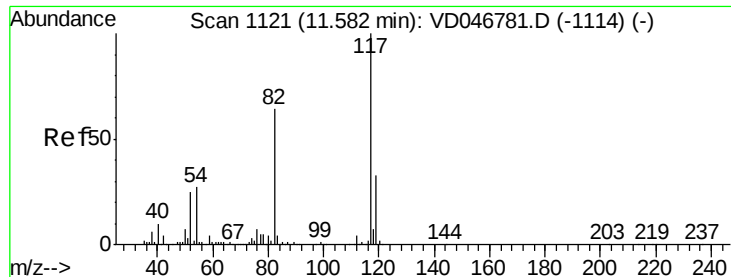


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

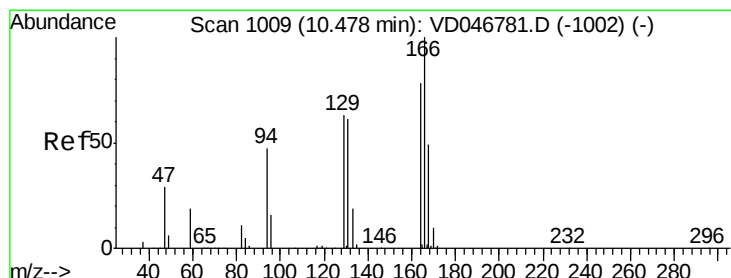
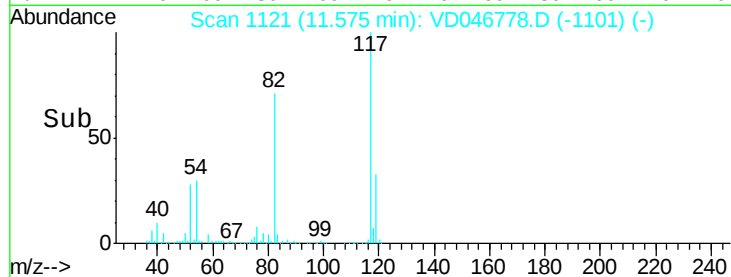
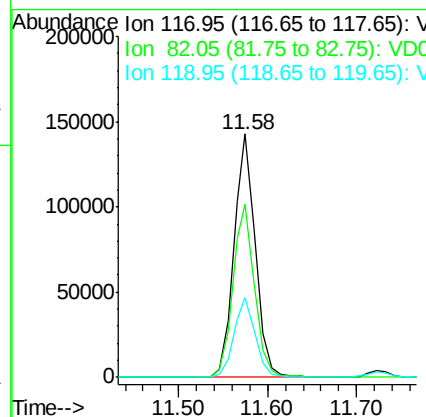
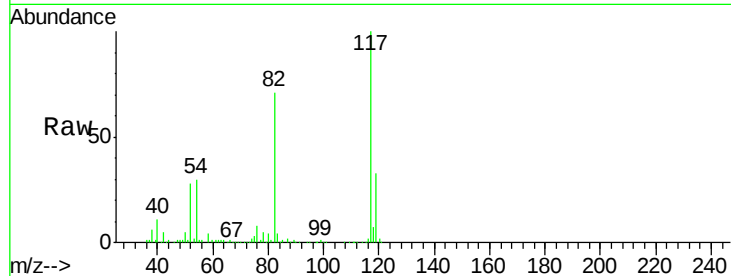




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.58 min Scan# 1121
Delta R.T. -0.01 min
Lab File: VD046778.D
Acq: 18 Sep 2015 11:30

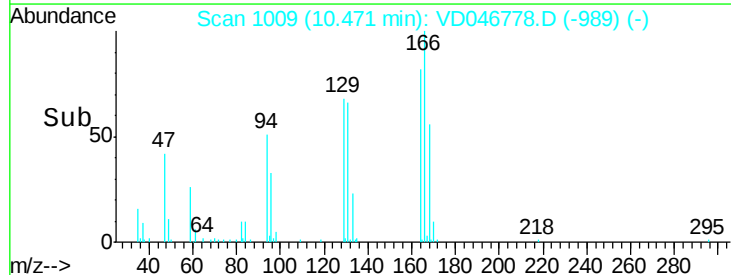
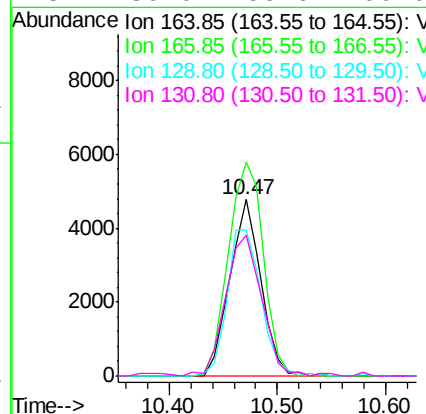
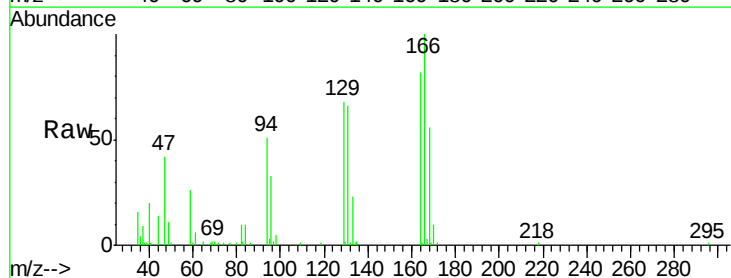
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

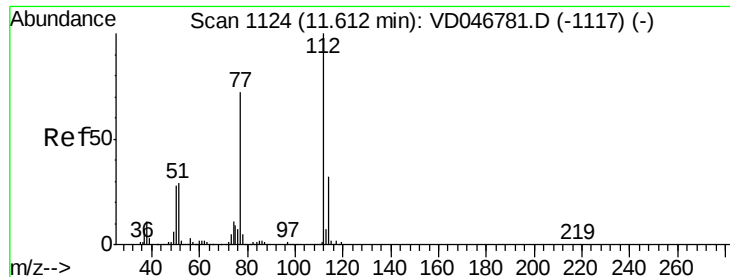
Tot Ion:117 Resp: 241890
Ion Ratio Lower Upper
117 100
82 71.0 50.6 75.8
119 33.0 25.8 38.8



#64
Tetrachloroethene
Concen: 4.90 ug/l
RT: 10.47 min Scan# 1009
Delta R.T. -0.01 min
Lab File: VD046778.D
Acq: 18 Sep 2015 11:30

Tgt Ion:164 Resp: 9580
Ion Ratio Lower Upper
164 100
166 121.3 106.8 160.2
129 82.5 70.6 106.0
131 80.0 66.6 100.0

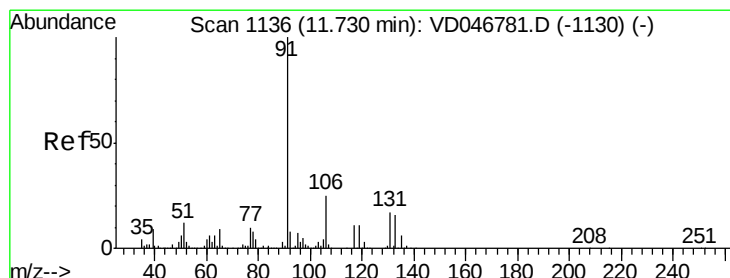
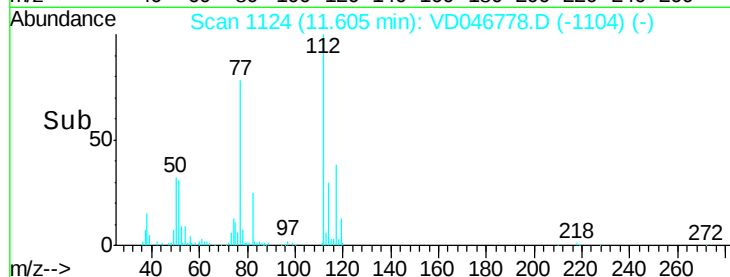
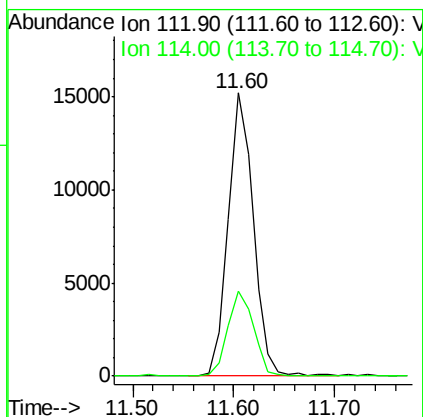
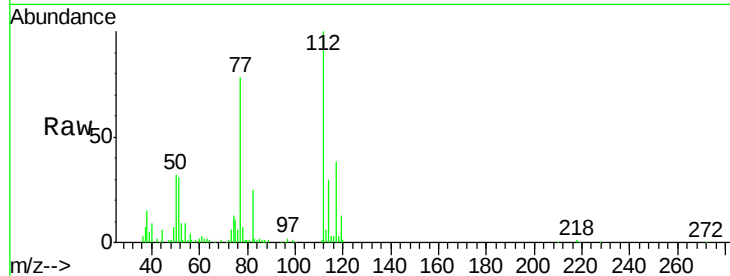




#65
Chlorobenzene
Concen: 5.17 ug/l
RT: 11.60 min Scan# 1124
Delta R.T. -0.01 min
Lab File: VD046778.D
Acq: 18 Sep 2015 11:30

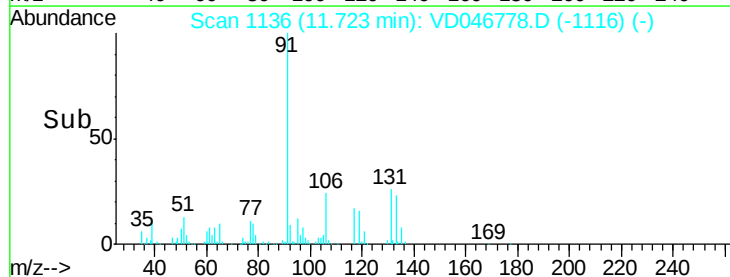
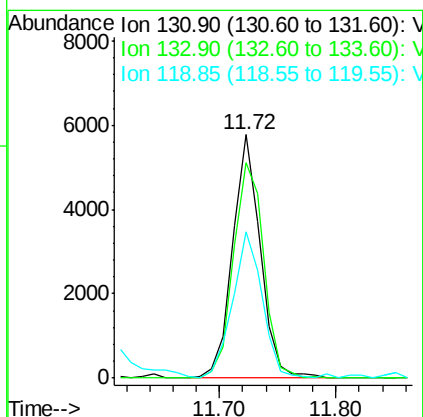
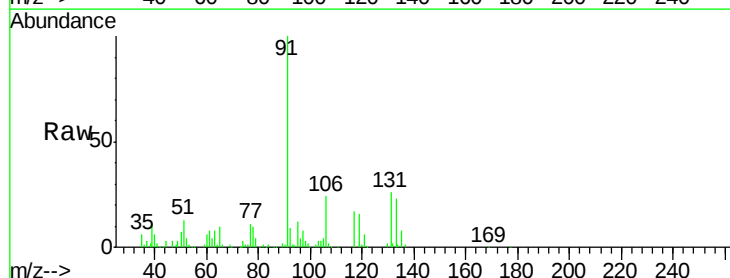
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

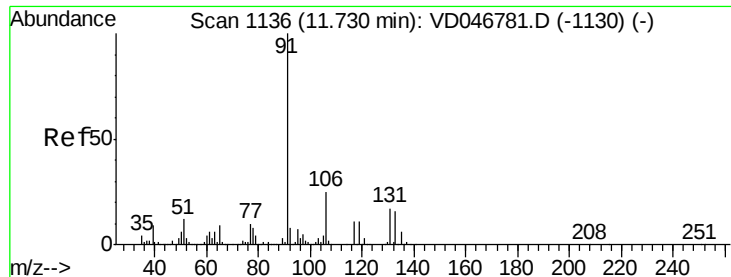
Tot Ion:112 Resp: 26343
Ion Ratio Lower Upper
112 100
114 29.9 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 5.10 ug/l
RT: 11.72 min Scan# 1136
Delta R.T. -0.01 min
Lab File: VD046778.D
Acq: 18 Sep 2015 11:30

Tgt Ion:131 Resp: 9543
Ion Ratio Lower Upper
131 100
133 88.7 48.4 145.0
119 60.1 31.5 94.5





#67

Ethyl Benzene

Concen: 4.63 ug/l

RT: 11.73 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VD046778.D

Acq: 18 Sep 2015 11:30

Instrument :

MSVOA_D

ClientSampleId :

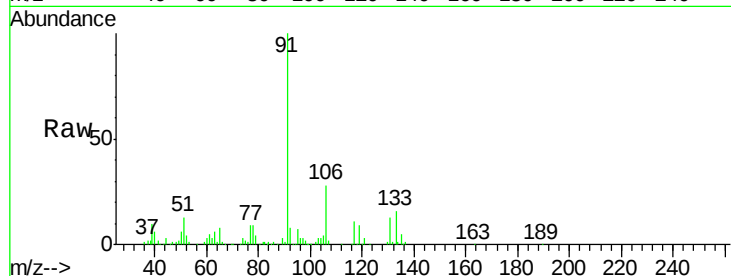
VSTDIC005

Tot Ion: 91 Resp: 47338

Ion Ratio Lower Upper

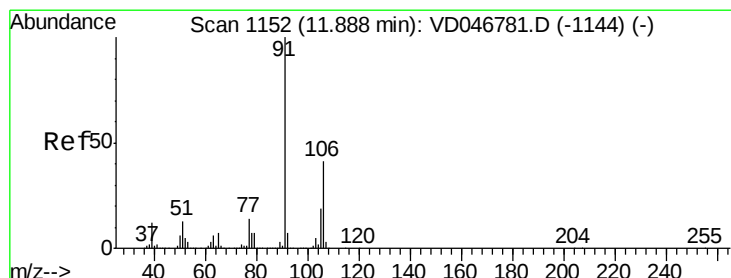
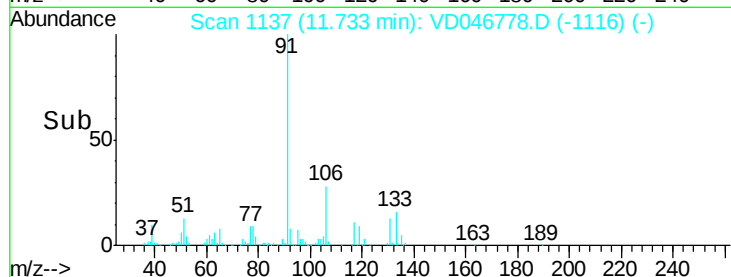
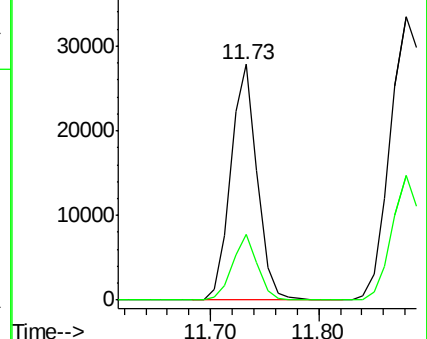
91 100

106 27.9 20.2 30.2



Abundance Ion 91.00 (90.70 to 91.70): VD046778.D (-1136) (-)

Ion 106.05 (105.75 to 106.75): VD046778.D (-1136) (-)



#68

m/p-Xylenes

Concen: 9.07 ug/l

RT: 11.88 min Scan# 1152

Delta R.T. -0.01 min

Lab File: VD046778.D

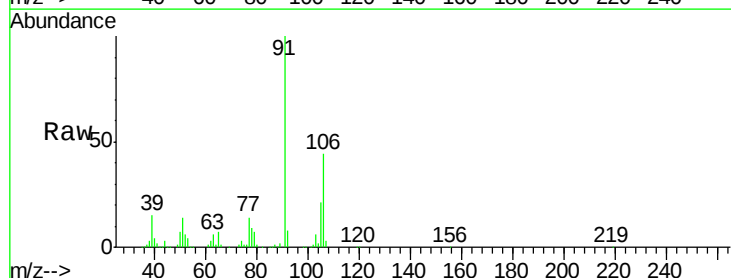
Acq: 18 Sep 2015 11:30

Tgt Ion: 106 Resp: 29258

Ion Ratio Lower Upper

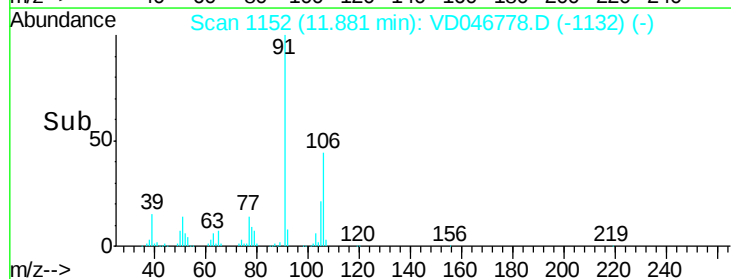
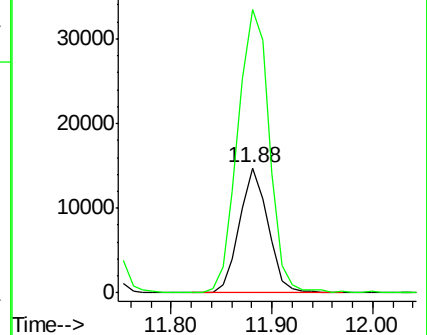
106 100

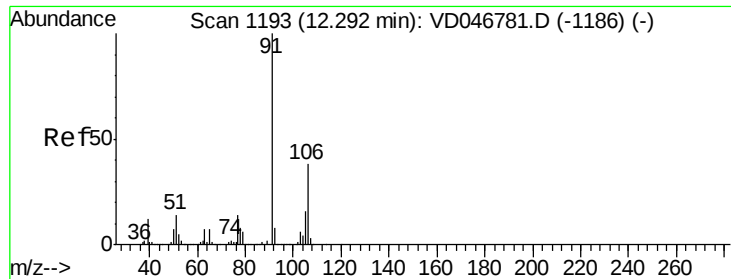
91 226.3 187.9 281.9



Abundance Ion 106.05 (105.75 to 106.75): VD046778.D (-1152) (-)

Ion 91.00 (90.70 to 91.70): VD046778.D (-1152) (-)

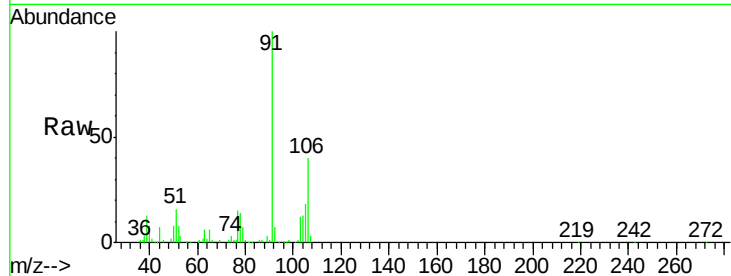




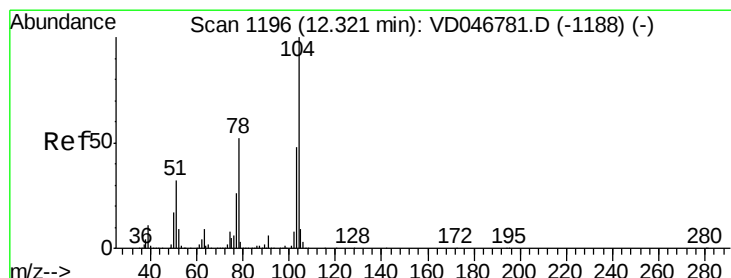
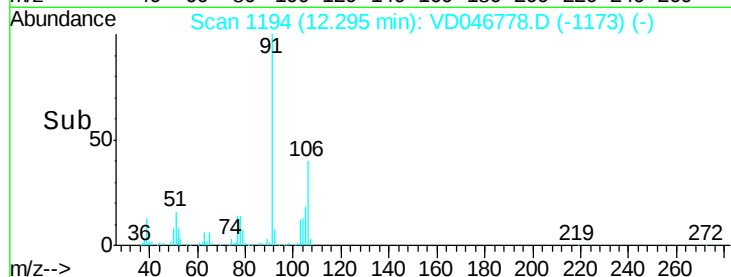
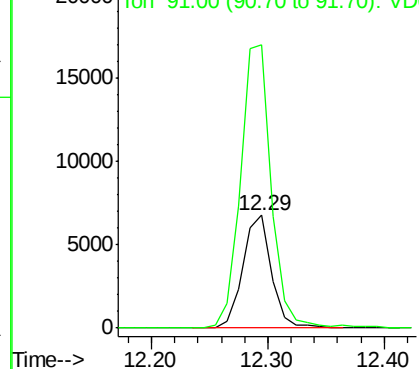
#69
o-Xylene
Concen: 3.98 ug/l
RT: 12.29 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VD046778.D
Acq: 18 Sep 2015 11:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion:106 Resp: 11572
Ion Ratio Lower Upper
106 100
91 250.6 124.8 374.5

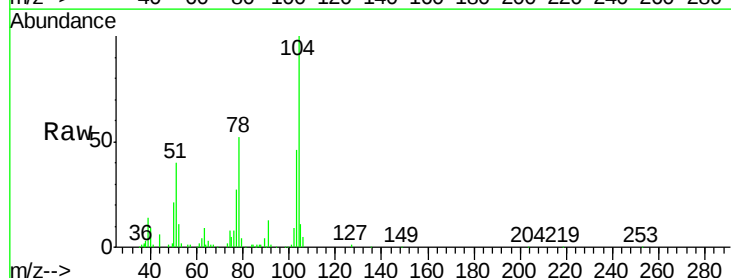


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

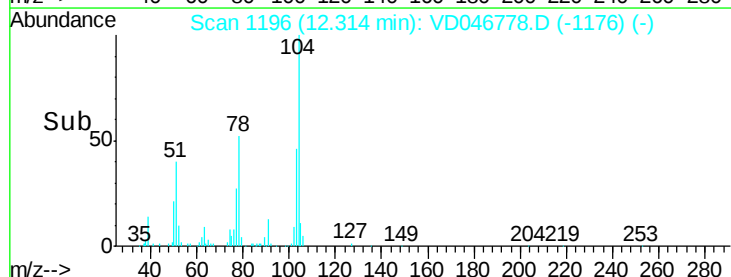
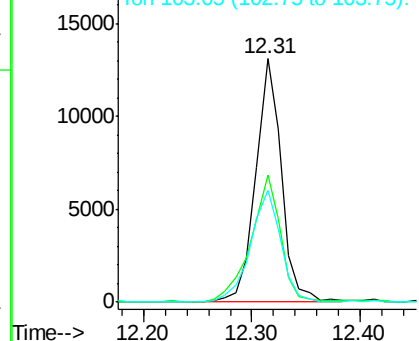


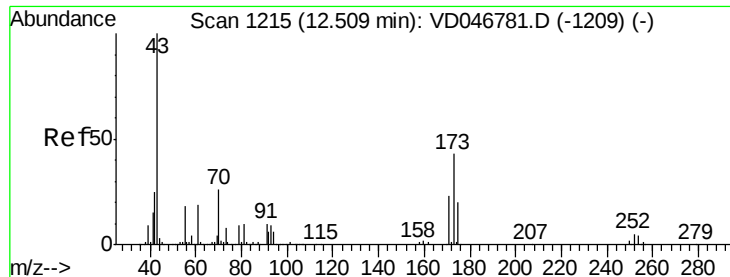
#70
Styrene
Concen: 4.33 ug/l
RT: 12.31 min Scan# 1196
Delta R.T. -0.01 min
Lab File: VD046778.D
Acq: 18 Sep 2015 11:30

Tgt Ion:104 Resp: 21793
Ion Ratio Lower Upper
104 100
78 52.1 44.5 66.7
103 45.9 40.3 60.5



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

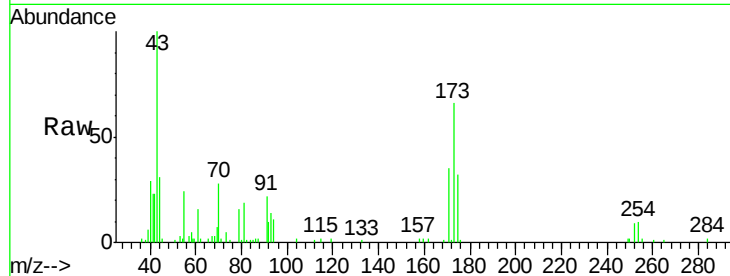




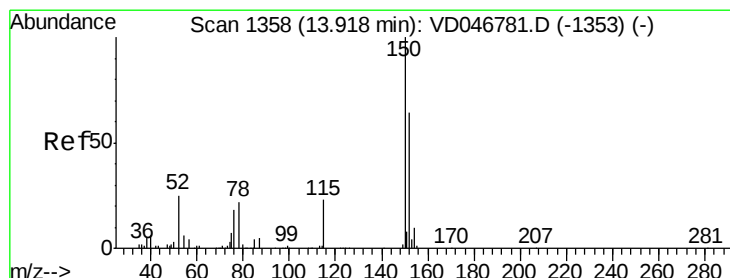
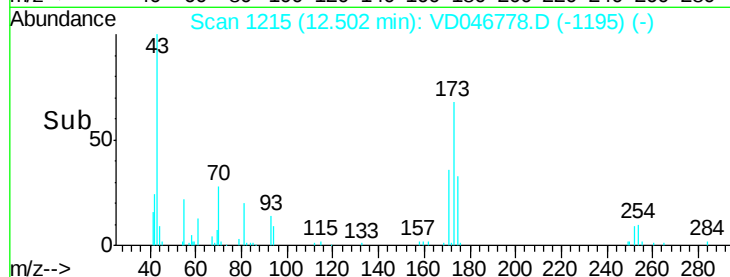
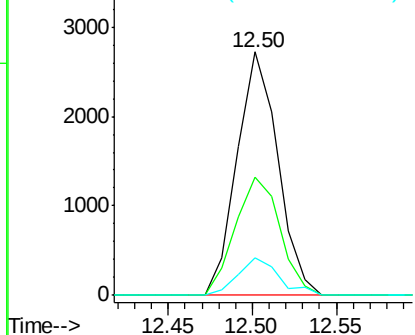
#71
Bromoform
Concen: 4.60 ug/l
RT: 12.50 min Scan# 1215
Delta R.T. -0.01 min
Lab File: VD046778.D
Acq: 18 Sep 2015 11:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion:173 Resp: 4583
Ion Ratio Lower Upper
173 100
175 48.7 23.1 69.3
254 15.4 8.7 13.1#

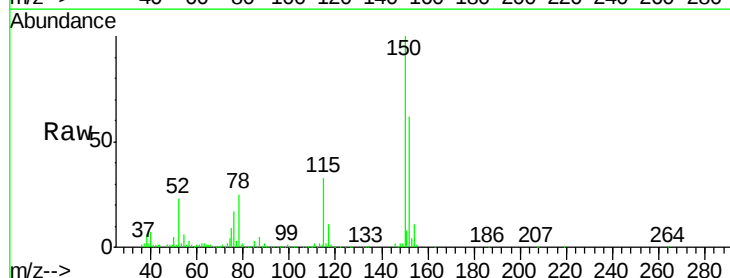


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

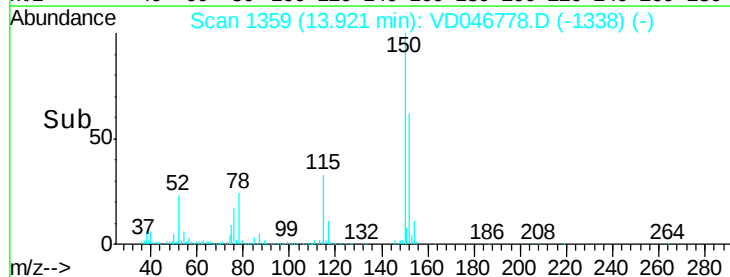
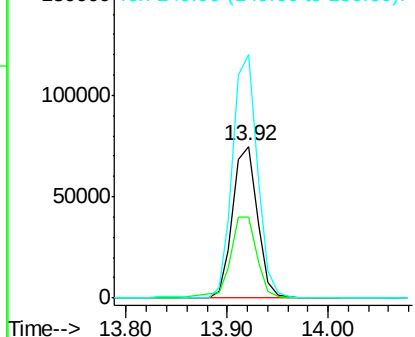


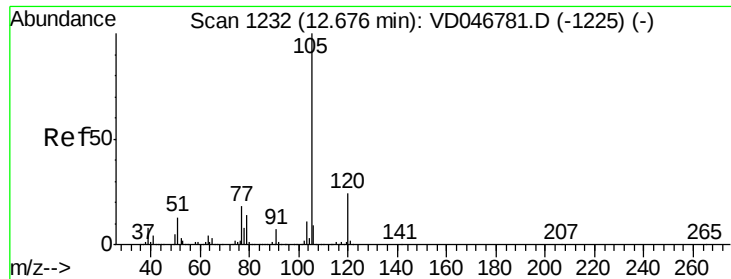
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.92 min Scan# 1359
Delta R.T. 0.00 min
Lab File: VD046778.D
Acq: 18 Sep 2015 11:30

Tgt Ion:152 Resp: 128472
Ion Ratio Lower Upper
152 100
115 53.0 26.2 78.6
150 160.3 0.0 311.8



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





#73

Isopropylbenzene

Concen: 4.00 ug/l

RT: 12.67 min Scan# 1232

Delta R.T. -0.01 min

Lab File: VD046778.D

Acq: 18 Sep 2015 11:30

Instrument :

MSVOA_D

ClientSampleId :

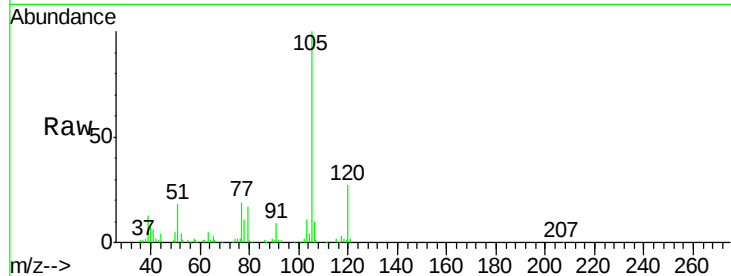
VSTDIC005

Tot Ion:105 Resp: 36268

Ion Ratio Lower Upper

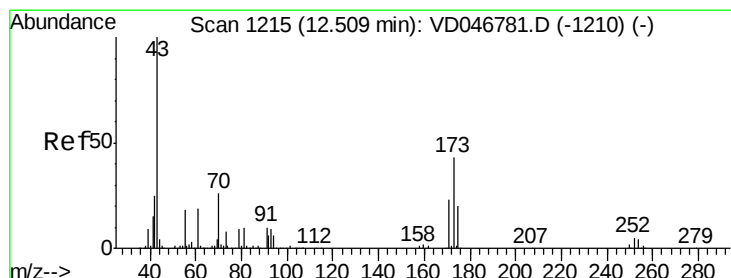
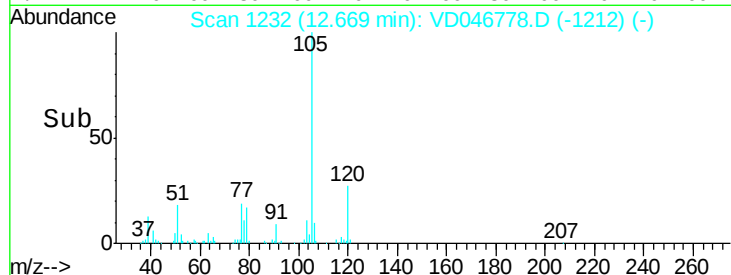
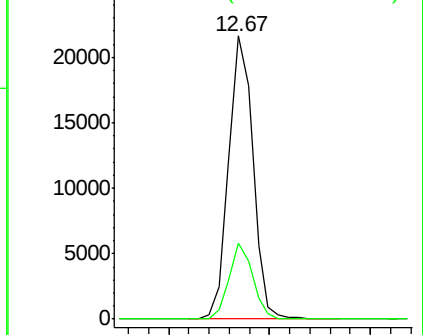
105 100

120 26.7 12.4 37.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 7.49 ug/l

RT: 12.50 min Scan# 1215

Delta R.T. -0.01 min

Lab File: VD046778.D

Acq: 18 Sep 2015 11:30

Tgt Ion: 43 Resp: 6979

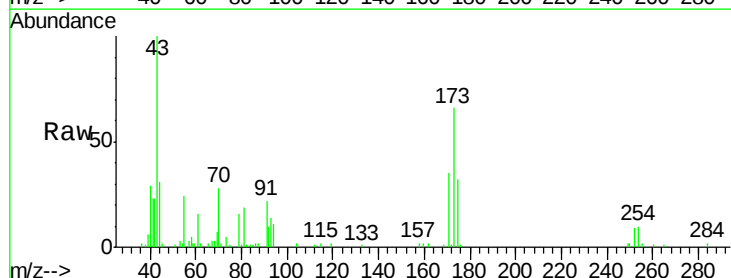
Ion Ratio Lower Upper

43 100

70 27.6 22.1 33.1

55 23.8 14.5 21.7#

61 16.2 14.6 21.8

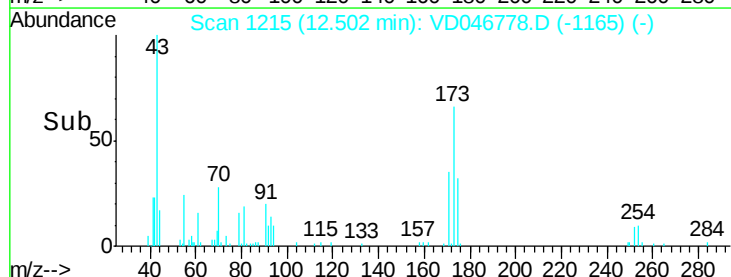
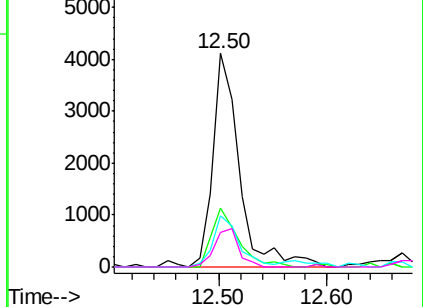


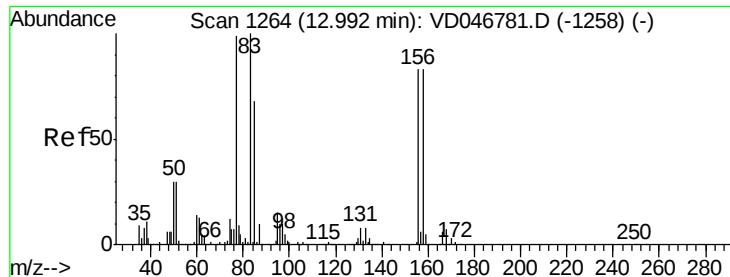
Abundance Ion 42.95 (42.65 to 43.65): VDC

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





#75

1,1,2,2-Tetrachloroethane

Concen: 5.03 ug/l

RT: 12.98 min Scan# 1264

Delta R.T. -0.01 min

Lab File: VD046778.D

Acq: 18 Sep 2015 11:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

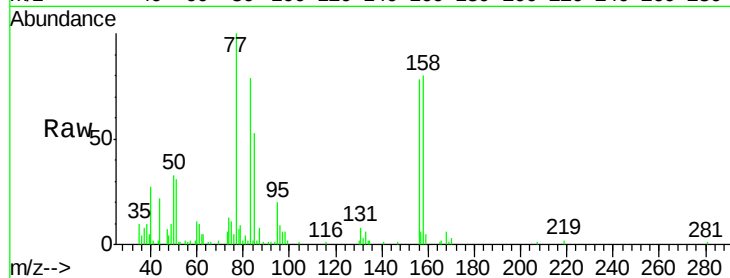
Tot Ion: 83 Resp: 7356

Ion Ratio Lower Upper

83 100

131 10.2 3.9 11.7

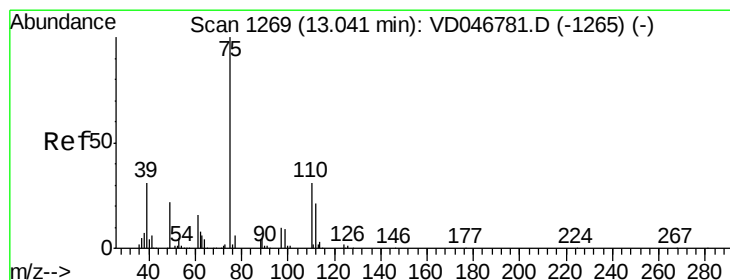
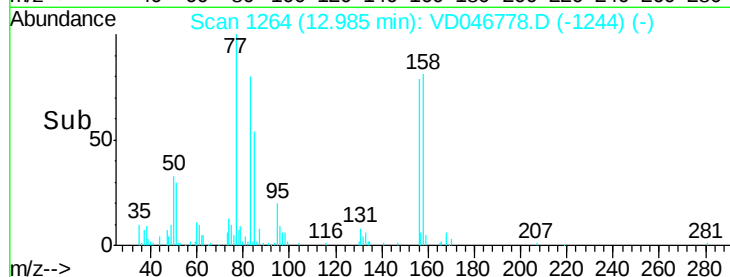
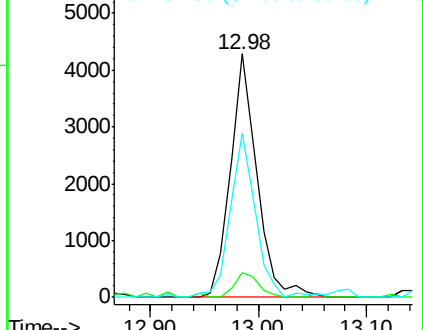
85 67.5 30.5 91.5



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 4.78 ug/l

RT: 13.03 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VD046778.D

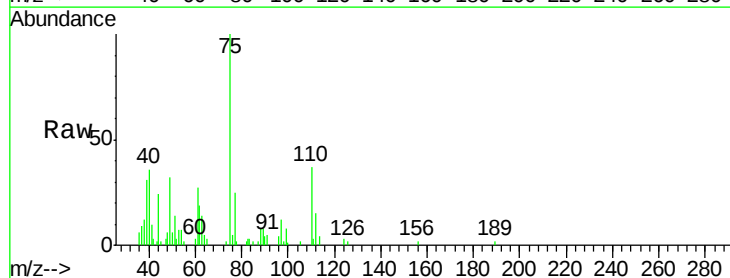
Acq: 18 Sep 2015 11:30

Tgt Ion: 75 Resp: 7478

Ion Ratio Lower Upper

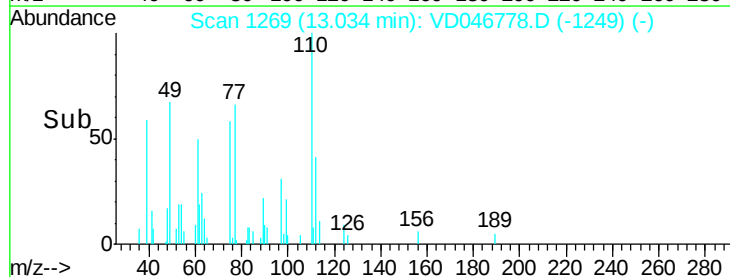
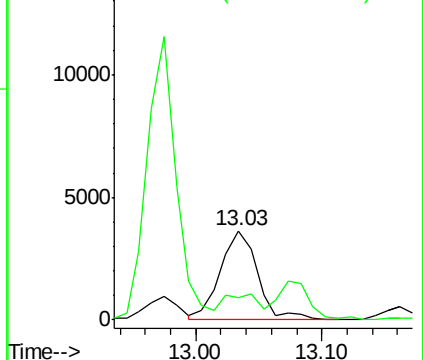
75 100

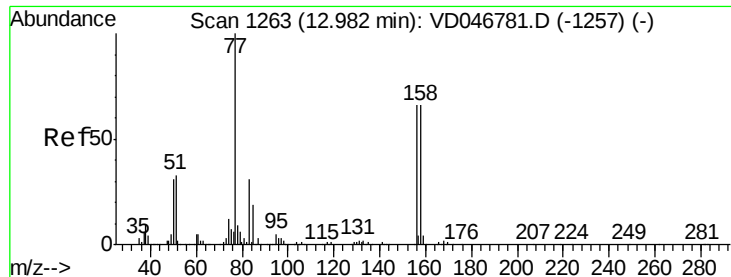
77 24.8 16.0 48.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 4.63 ug/l

RT: 12.97 min Scan# 1263

Delta R.T. -0.01 min

Lab File: VD046778.D

Acq: 18 Sep 2015 11:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

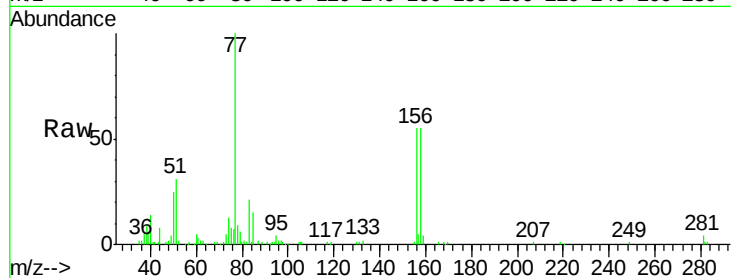
Tot Ion:156 Resp: 10546

Ion Ratio Lower Upper

156 100

77 181.5 70.3 210.8

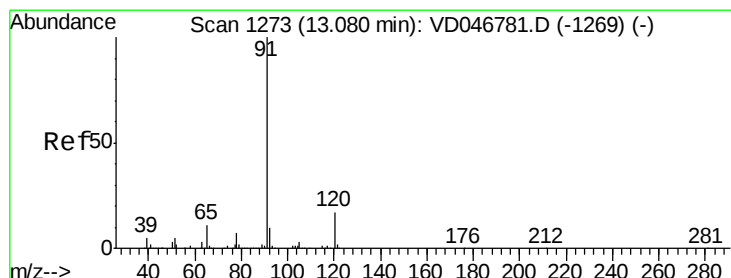
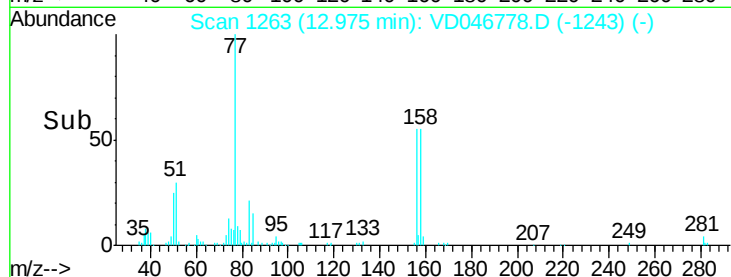
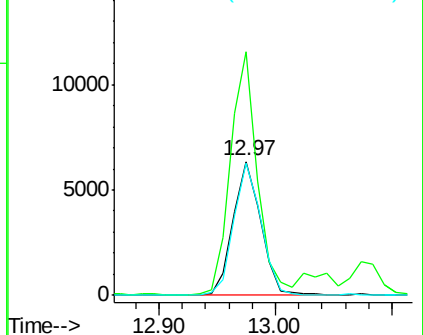
158 99.1 49.0 147.0



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 4.31 ug/l

RT: 13.08 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VD046778.D

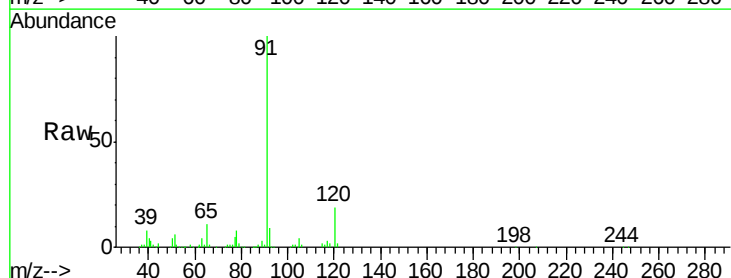
Acq: 18 Sep 2015 11:30

Tgt Ion: 91 Resp: 55156

Ion Ratio Lower Upper

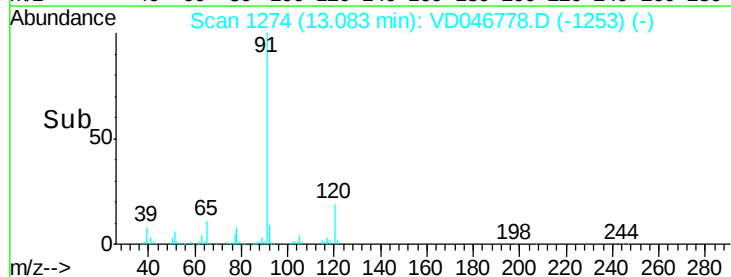
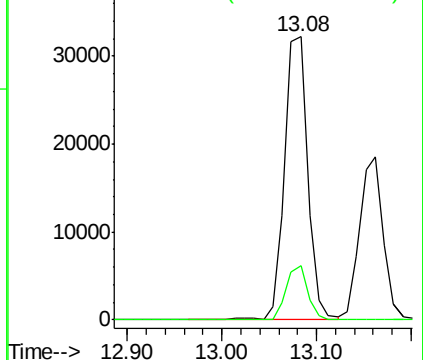
91 100

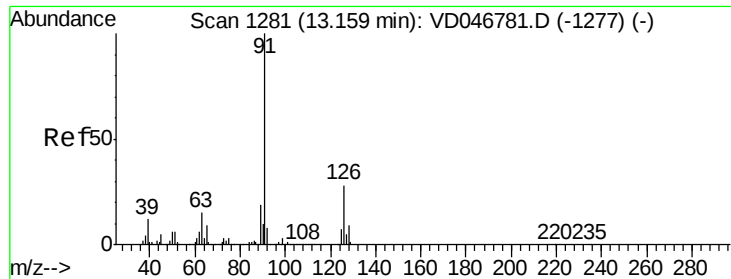
120 19.4 9.3 27.7



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 4.49 ug/l

RT: 13.16 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD046778.D

Acq: 18 Sep 2015 11:30

Instrument :

MSVOA_D

ClientSampleId :

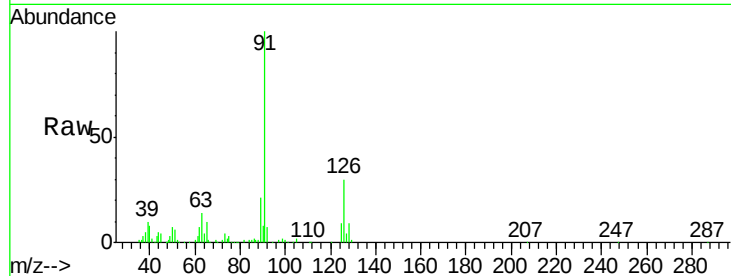
VSTDIC005

Tot Ion: 91 Resp: 31859

Ion Ratio Lower Upper

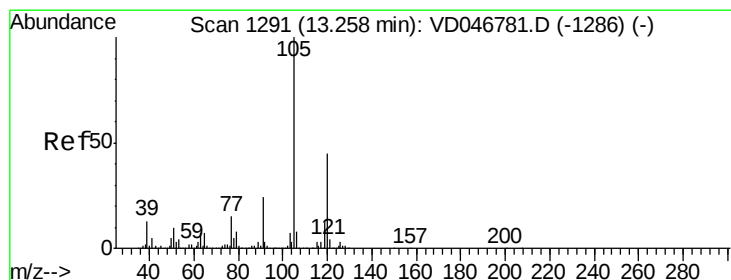
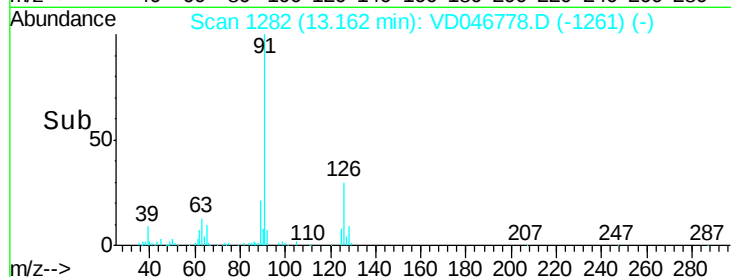
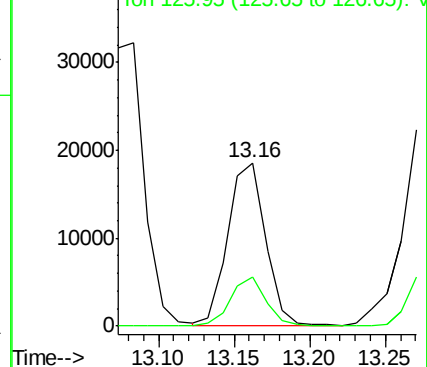
91 100

126 29.8 14.1 42.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 4.28 ug/l

RT: 13.25 min Scan# 1291

Delta R.T. -0.01 min

Lab File: VD046778.D

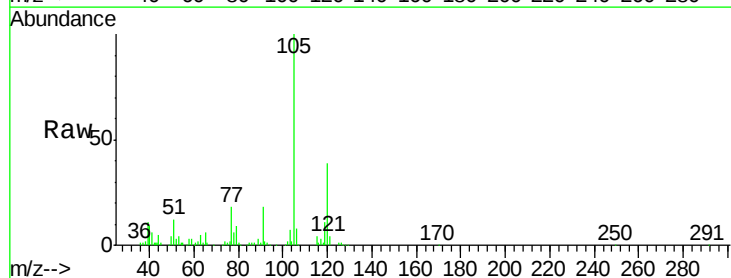
Acq: 18 Sep 2015 11:30

Tgt Ion: 105 Resp: 30908

Ion Ratio Lower Upper

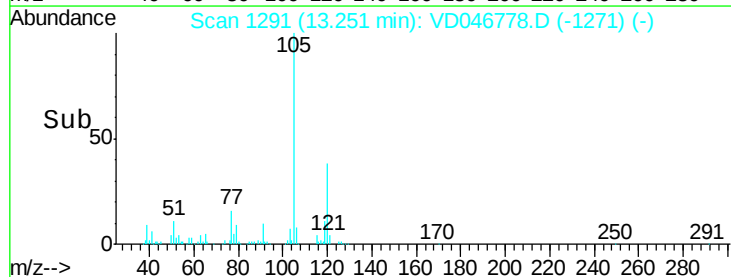
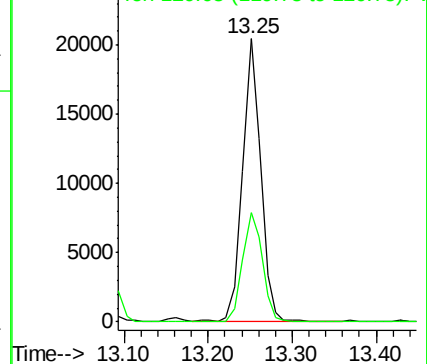
105 100

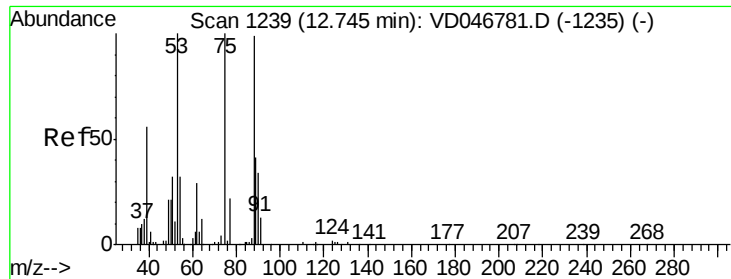
120 38.6 22.3 66.8



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 6.80 ug/l

RT: 12.74 min Scan# 1239

Delta R.T. -0.01 min

Lab File: VD046778.D

Acq: 18 Sep 2015 11:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

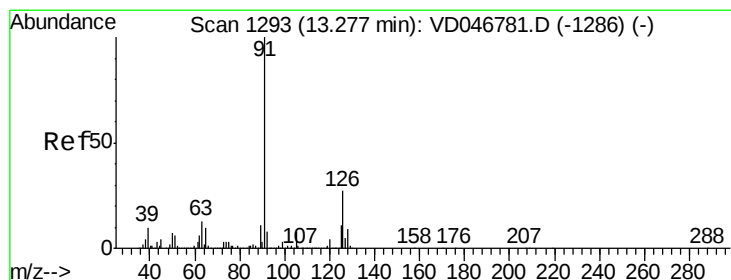
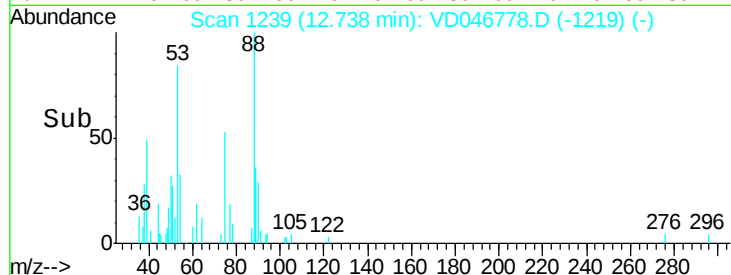
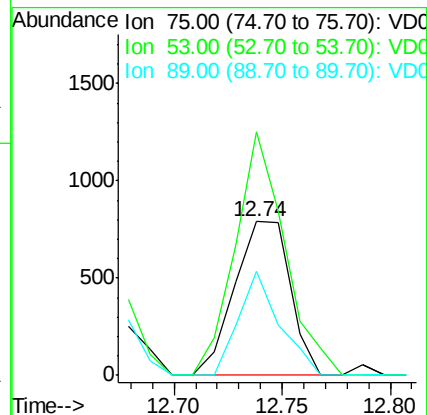
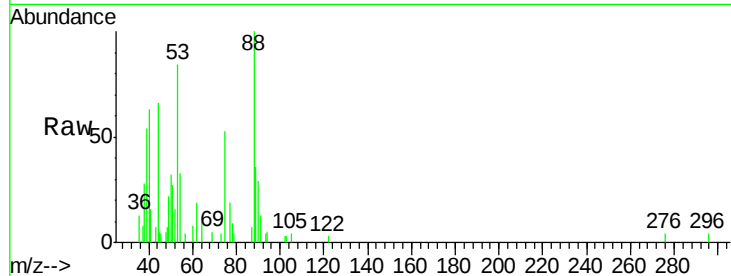
Tot Ion: 75 Resp: 1413

Ion Ratio Lower Upper

75 100

53 158.7 82.3 123.5#

89 67.7 36.6 54.8#



#82

4-Chlorotoluene

Concen: 4.70 ug/l

RT: 13.27 min Scan# 1293

Delta R.T. -0.01 min

Lab File: VD046778.D

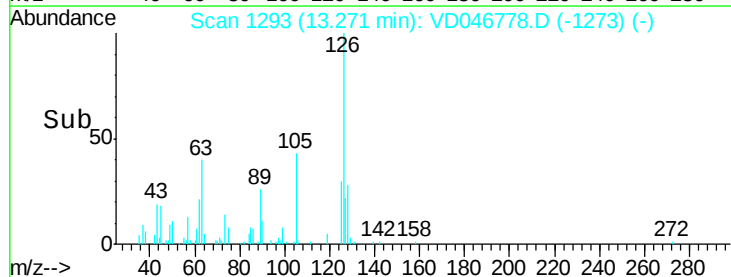
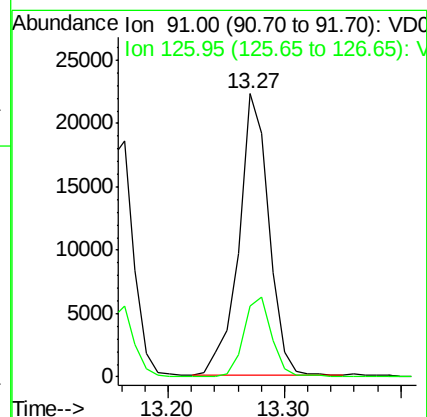
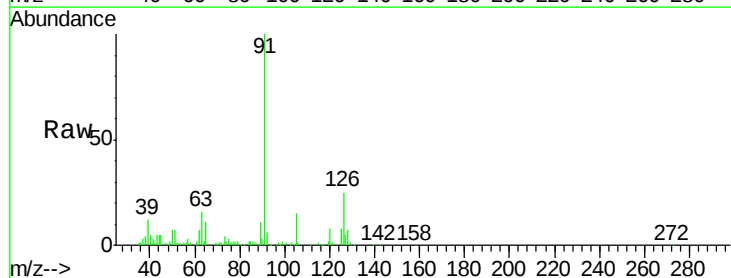
Acq: 18 Sep 2015 11:30

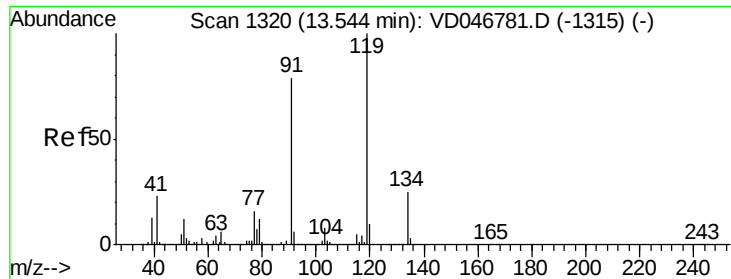
Tgt Ion: 91 Resp: 39695

Ion Ratio Lower Upper

91 100

126 25.2 14.1 42.4





#83

tert-Butylbenzene

Concen: 4.74 ug/l

RT: 13.54 min Scan# 1320

Delta R.T. -0.01 min

Lab File: VD046778.D

Acq: 18 Sep 2015 11:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

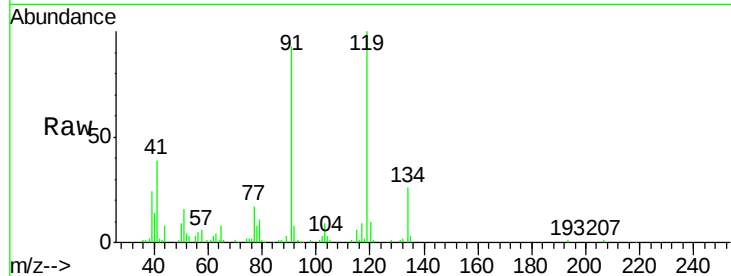
Tot Ion:119 Resp: 31832

Ion Ratio Lower Upper

119 100

91 93.0 41.6 124.9

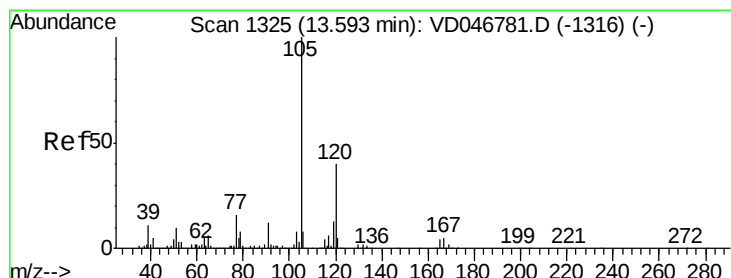
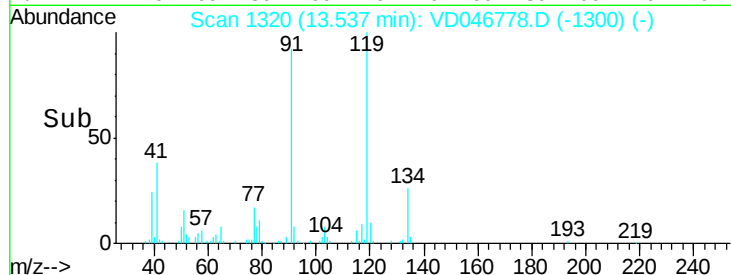
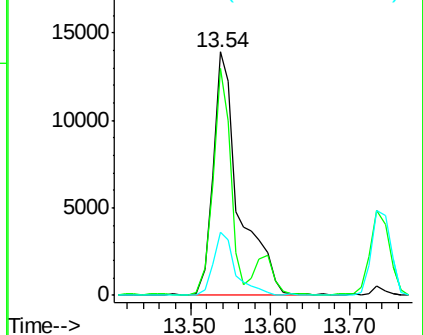
134 25.7 12.4 37.4



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 4.34 ug/l

RT: 13.60 min Scan# 1326

Delta R.T. 0.00 min

Lab File: VD046778.D

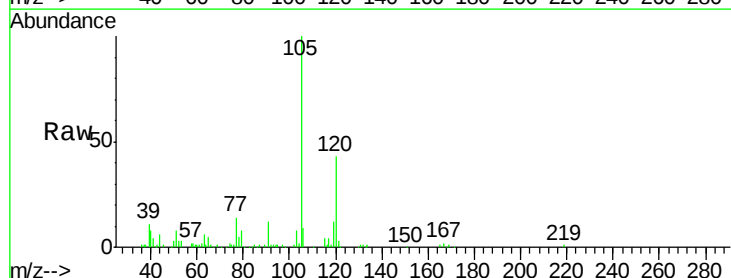
Acq: 18 Sep 2015 11:30

Tgt Ion:105 Resp: 31563

Ion Ratio Lower Upper

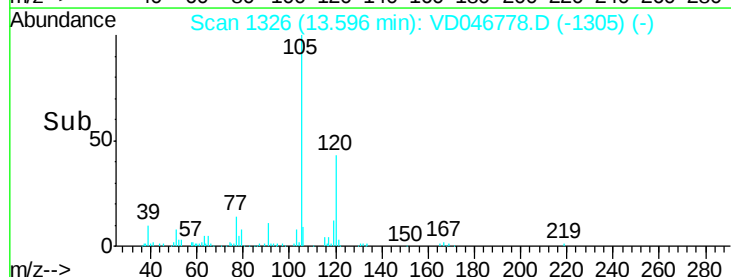
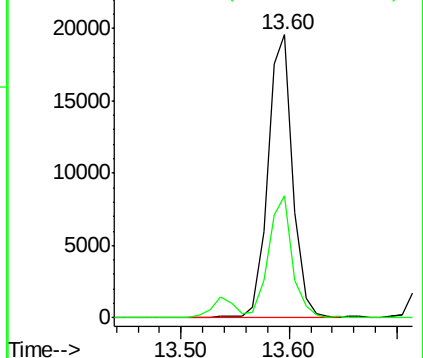
105 100

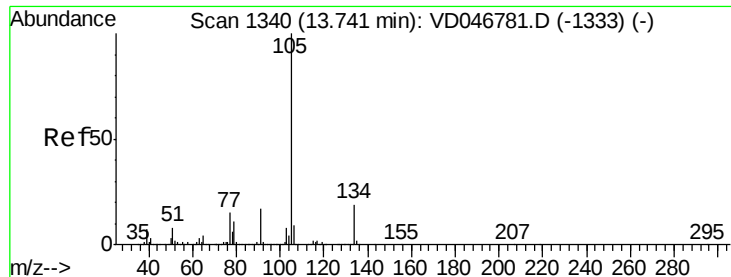
120 43.2 21.1 63.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 4.30 ug/l

RT: 13.73 min Scan# 1340

Delta R.T. -0.01 min

Lab File: VD046778.D

Acq: 18 Sep 2015 11:30

Instrument :

MSVOA_D

ClientSampleId :

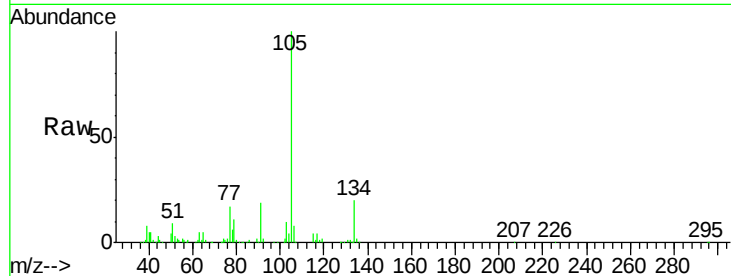
VSTDIC005

Tot Ion:105 Resp: 41128

Ion Ratio Lower Upper

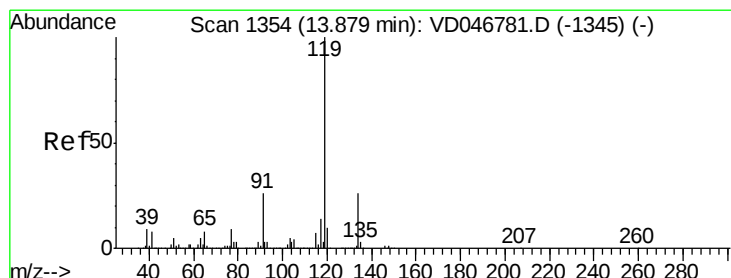
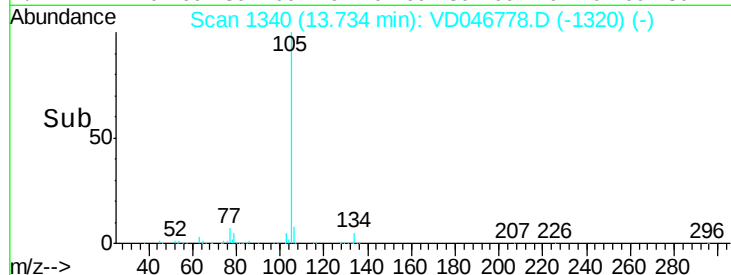
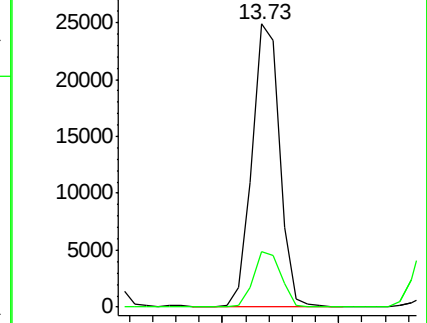
105 100

134 19.5 10.1 30.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 4.25 ug/l

RT: 13.87 min Scan# 1354

Delta R.T. -0.01 min

Lab File: VD046778.D

Acq: 18 Sep 2015 11:30

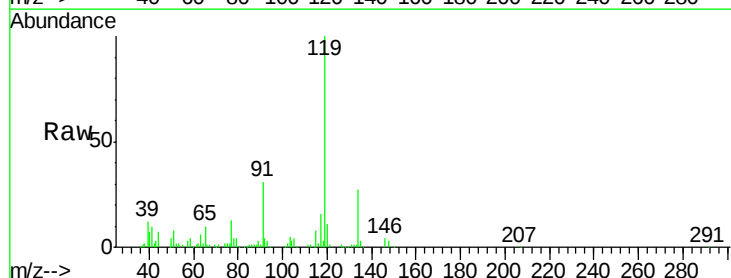
Tgt Ion:119 Resp: 31916

Ion Ratio Lower Upper

119 100

134 27.4 13.0 38.9

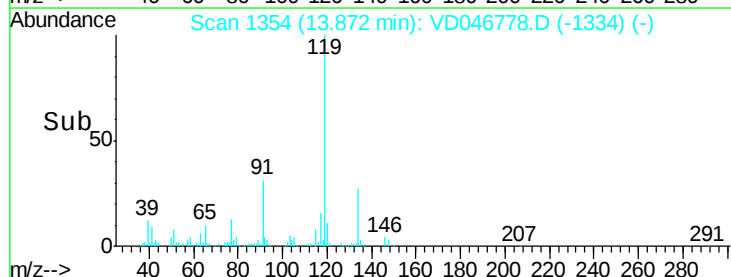
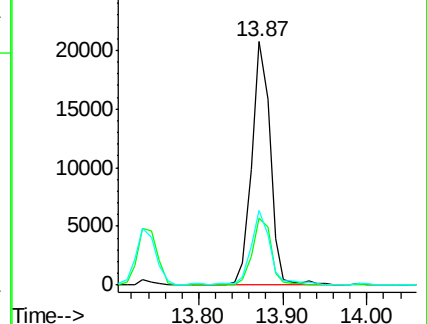
91 30.9 13.8 41.3

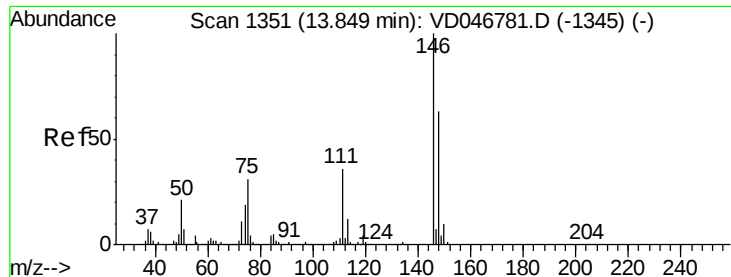


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

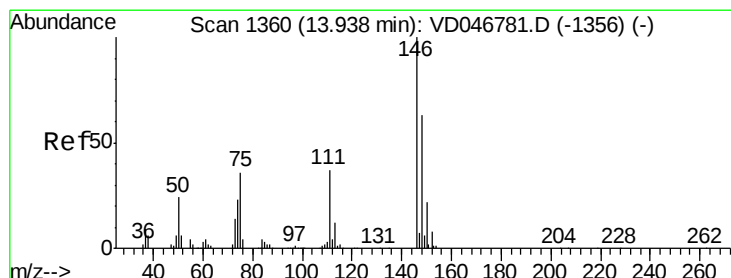
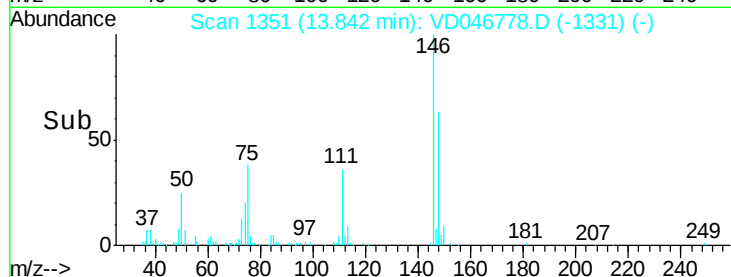
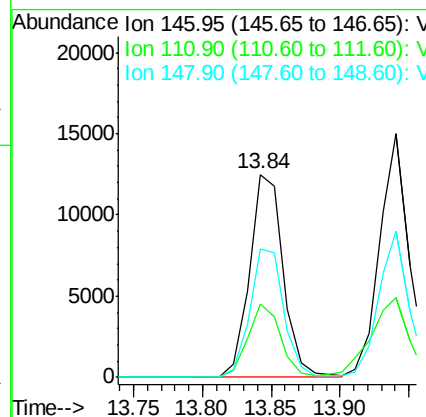
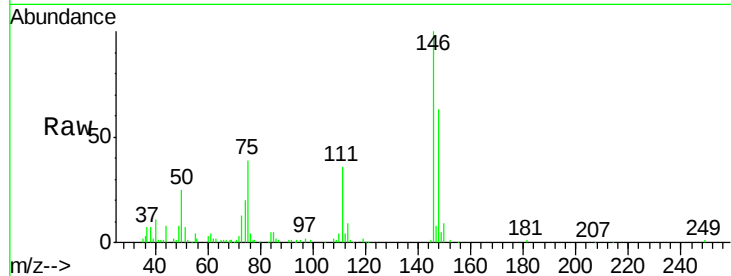




#87
 1,3-Dichlorobenzene
 Concen: 5.03 ug/l
 RT: 13.84 min Scan# 1351
 Delta R.T. -0.01 min
 Lab File: VD046778.D
 Acq: 18 Sep 2015 11:30

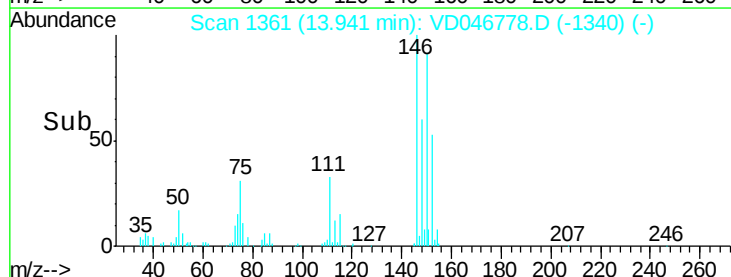
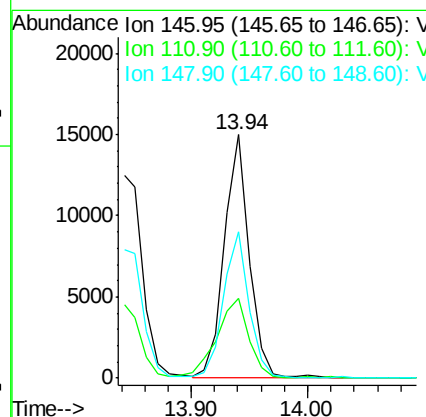
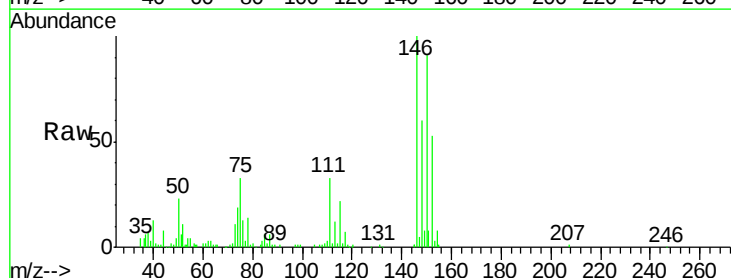
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

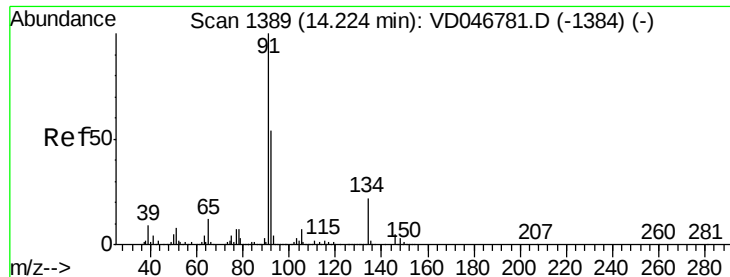
Tot Ion:146 Resp: 21382
 Ion Ratio Lower Upper
 146 100
 111 35.9 17.4 52.2
 148 63.2 33.0 99.0



#88
 1,4-Dichlorobenzene
 Concen: 5.30 ug/l
 RT: 13.94 min Scan# 1361
 Delta R.T. 0.00 min
 Lab File: VD046778.D
 Acq: 18 Sep 2015 11:30

Tgt Ion:146 Resp: 22397
 Ion Ratio Lower Upper
 146 100
 111 32.8 17.0 51.0
 148 60.0 31.9 95.7





#89

n-Butylbenzene

Concen: 4.17 ug/l

RT: 14.22 min Scan# 1389

Delta R.T. -0.01 min

Lab File: VD046778.D

Acq: 18 Sep 2015 11:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

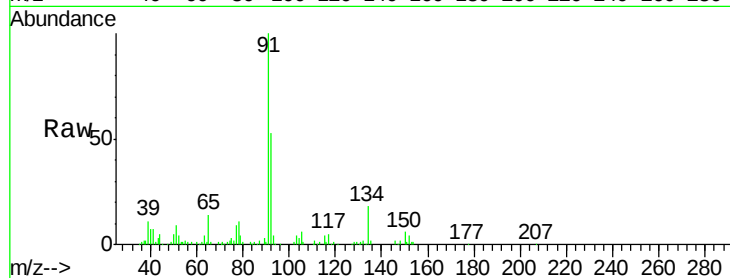
Tot Ion: 91 Resp: 35409

Ion Ratio Lower Upper

91 100

92 53.1 27.1 81.2

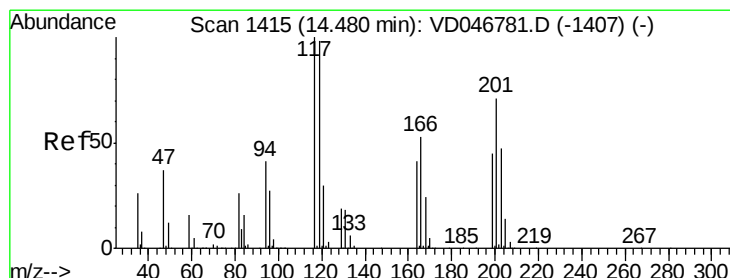
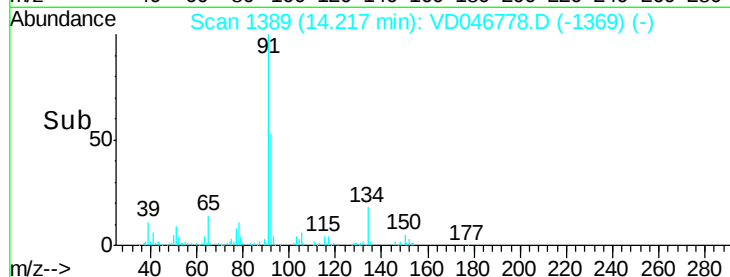
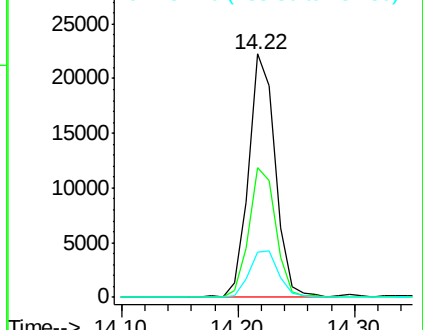
134 18.3 9.6 28.6



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 4.93 ug/l

RT: 14.48 min Scan# 1416

Delta R.T. 0.00 min

Lab File: VD046778.D

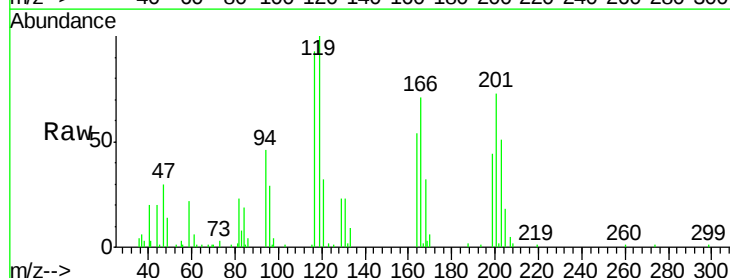
Acq: 18 Sep 2015 11:30

Tgt Ion: 117 Resp: 8589

Ion Ratio Lower Upper

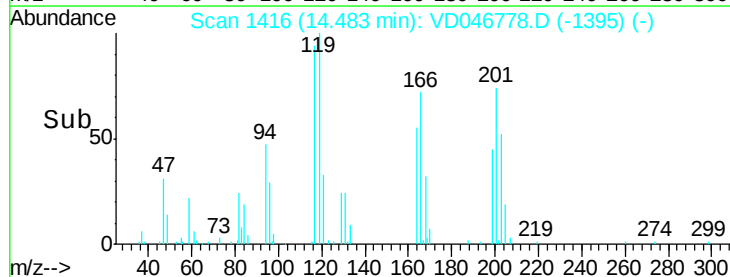
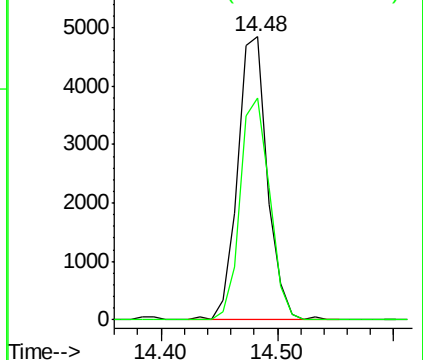
117 100

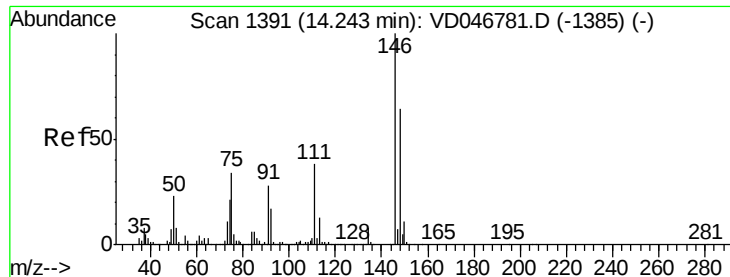
201 78.3 41.0 123.0



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

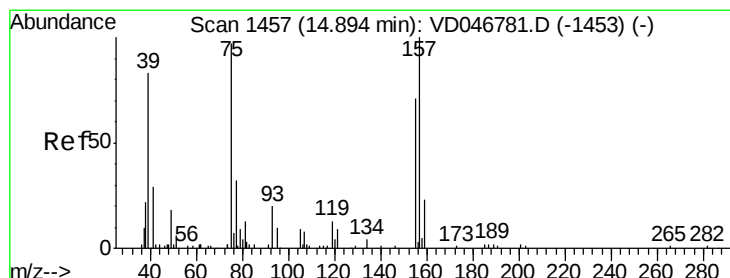
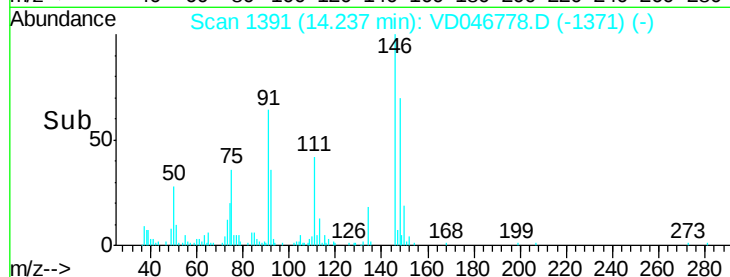
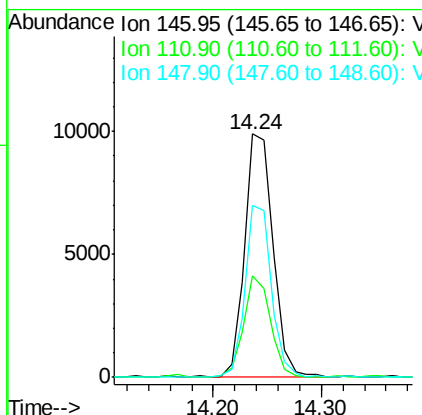
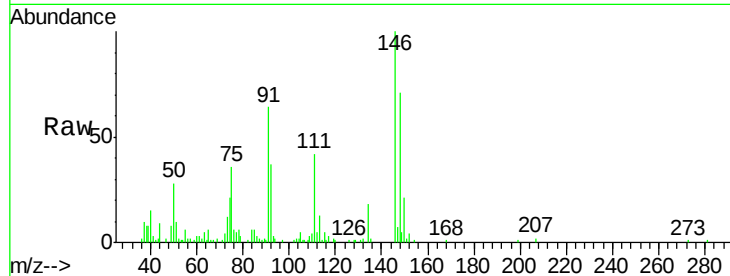




#91
 1,2-Dichlorobenzene
 Concen: 5.06 ug/l
 RT: 14.24 min Scan# 1391
 Delta R.T. -0.01 min
 Lab File: VD046778.D
 Acq: 18 Sep 2015 11:30

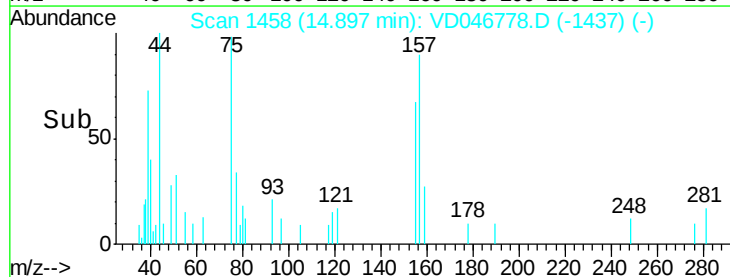
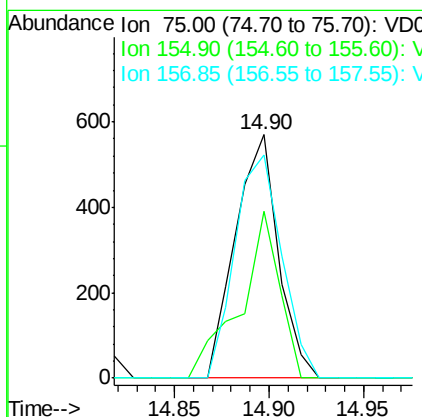
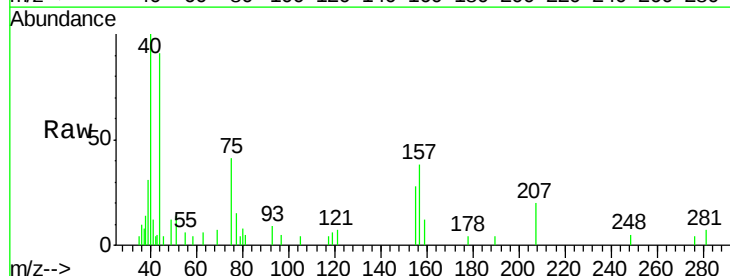
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

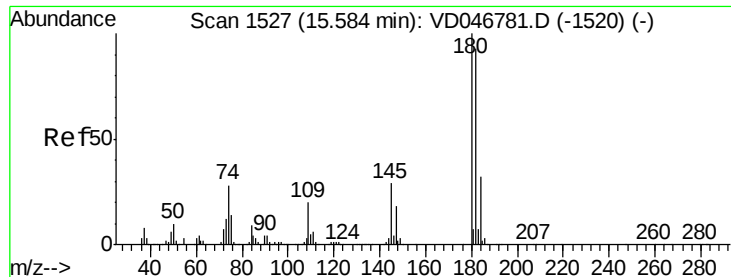
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	18.2	54.6
148	70.8	31.1	93.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.19 ug/l
 RT: 14.90 min Scan# 1458
 Delta R.T. 0.00 min
 Lab File: VD046778.D
 Acq: 18 Sep 2015 11:30

Tgt Ion	Ratio	Lower	Upper
75	100		
155	68.8	41.4	124.4
157	91.6	65.0	195.1

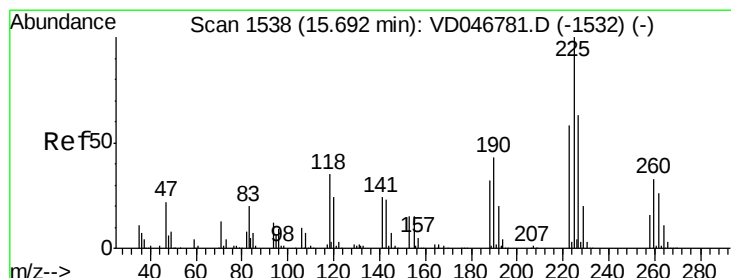
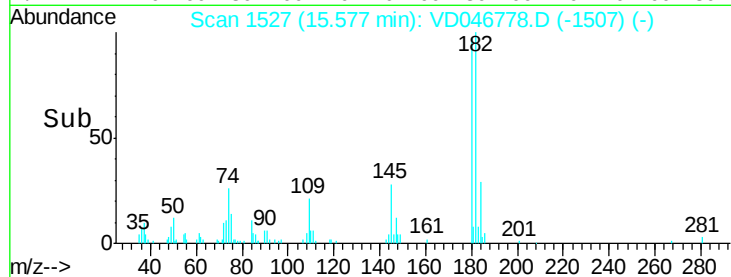
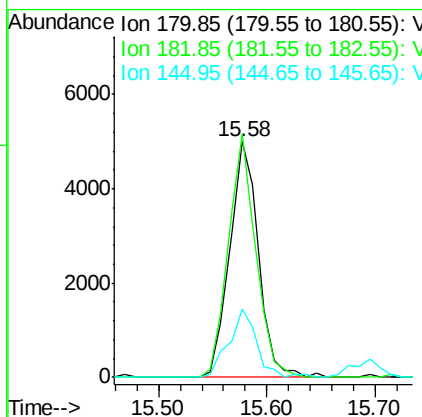
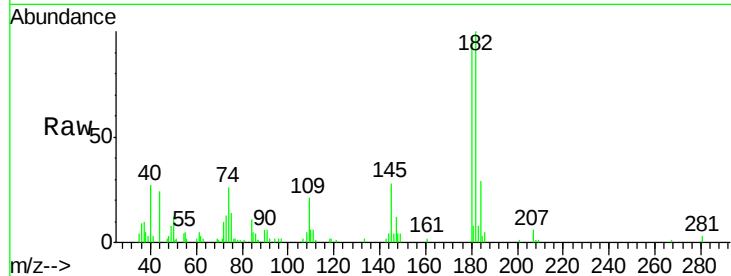




#93
 1,2,4-Trichlorobenzene
 Concen: 4.50 ug/l
 RT: 15.58 min Scan# 1527
 Delta R.T. -0.01 min
 Lab File: VD046778.D
 Acq: 18 Sep 2015 11:30

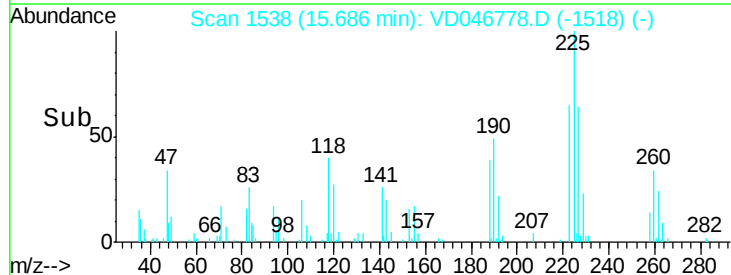
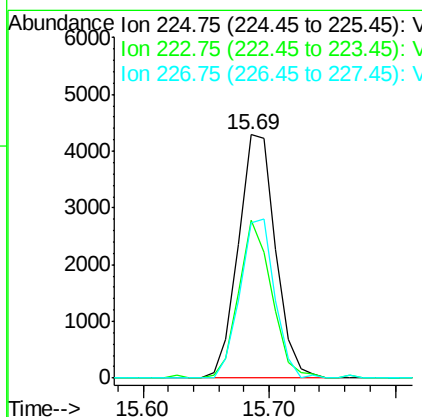
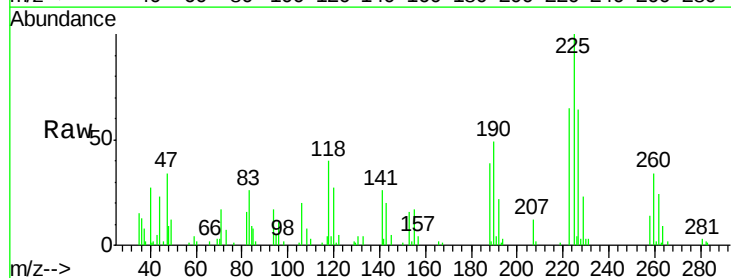
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

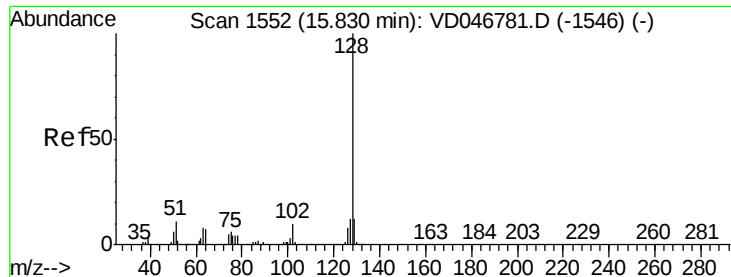
Tot Ion:180 Resp: 9245
 Ion Ratio Lower Upper
 180 100
 182 103.3 47.5 142.5
 145 28.7 14.6 44.0



#94
 Hexachlorobutadiene
 Concen: 5.18 ug/l
 RT: 15.69 min Scan# 1538
 Delta R.T. -0.01 min
 Lab File: VD046778.D
 Acq: 18 Sep 2015 11:30

Tgt Ion:225 Resp: 8761
 Ion Ratio Lower Upper
 225 100
 223 64.8 30.4 91.2
 227 63.6 31.3 93.9





#95

Naphthalene

Concen: 5.52 ug/l

RT: 15.82 min Scan# 1552

Delta R.T. -0.01 min

Lab File: VD046778.D

Acq: 18 Sep 2015 11:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

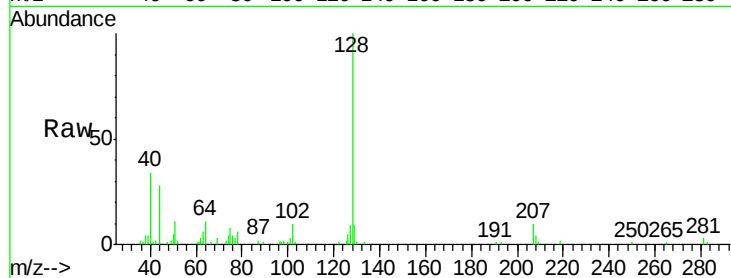
Tot Ion:128 Resp: 8964

Ion Ratio Lower Upper

128 100

127 8.8 9.8 14.6#

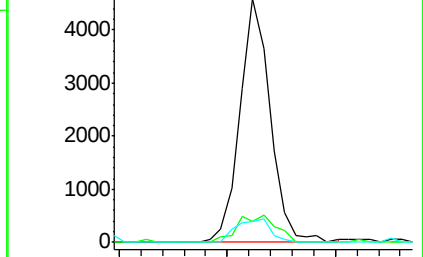
129 8.8 8.6 12.8



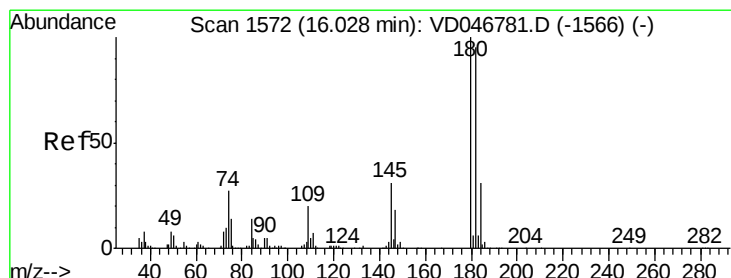
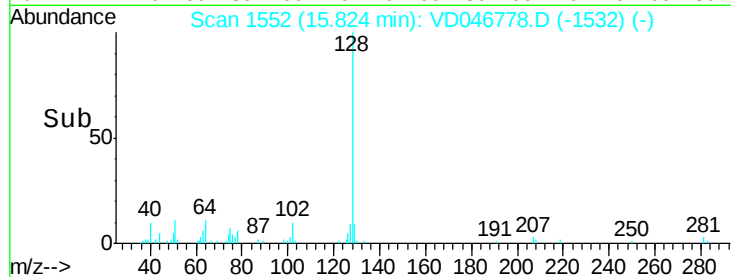
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



Time--> 15.70 15.80 15.90



#96

1,2,3-Trichlorobenzene

Concen: 4.57 ug/l

RT: 16.02 min Scan# 1572

Delta R.T. -0.01 min

Lab File: VD046778.D

Acq: 18 Sep 2015 11:30

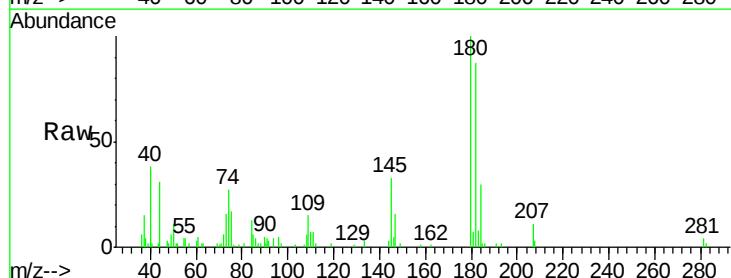
Tgt Ion:180 Resp: 7848

Ion Ratio Lower Upper

180 100

182 87.5 47.4 142.3

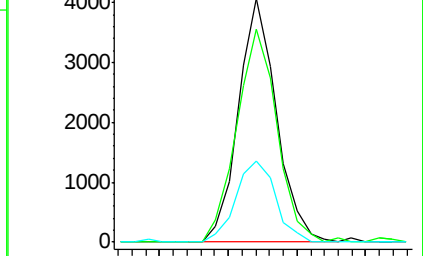
145 33.4 15.4 46.4



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V



Time--> 15.95 16.00 16.05 16.10

