

Data Path : W:\HPCHEM1\MSVOA D\DATA\VD092315\
 Data File : VD046859.D
 Acq On : 23 Sep 2015 17:46
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00µm/5mL/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Sep 24 01:47:47 2015
 Quant Method : W:\HPCHEM1\MSVOA_D\METHOD\82D091815S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 18 15:47:18 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.29	168	162466	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.42	114	197956	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.57	117	198180	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.90	152	112726	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.70	65	85800	50.79	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	101.58%	
35) Dibromofluoromethane	6.19	113	80954	52.27	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	104.54%	
50) Toluene-d8	9.60	98	255023	52.19	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	104.38%	
62) 4-Bromofluorobenzene	12.84	95	107611	54.70	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	109.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.41	85	75311	51.05	ug/l	100
3) Chlorodifluoromethane	1.43	51	51804	41.10	ug/l #	87
4) Chloromethane	1.57	50	40058	41.83	ug/l	97
5) Vinyl Chloride	1.67	62	41797	46.47	ug/l	98
6) Bromomethane	1.97	94	43710	56.67	ug/l	99
7) Chloroethane	2.07	64	32221	57.23	ug/l	99
8) Trichlorofluoromethane	2.32	101	151826	57.06	ug/l	97
9) Diethyl Ether	2.62	74	18257	38.71	ug/l	83
10) 1,1,2-Trichlorotrifluoroet	2.88	101	81905	49.20	ug/l	92
11) Methyl Iodide	3.04	142	91169	46.99	ug/l #	86
12) Tert butyl alcohol	3.67	59	10557	184.76	ug/l #	90
13) 1,1-Dichloroethene	2.86	96	62334	47.89	ug/l	89
14) Acrolein	2.77	56	21095	244.45	ug/l	92
15) Allyl chloride	3.31	41	120149	45.46	ug/l #	71
16) Acrylonitrile	3.83	53	44486	225.55	ug/l	96
17) Acetone	2.93	43	63521	222.56	ug/l	92
18) Carbon Disulfide	3.12	76	209346	42.93	ug/l	98
19) Methyl Acetate	3.32	43	76138	46.05	ug/l	96
20) Methyl tert-butyl Ether	3.89	73	103755	50.88	ug/l	93
21) Methylene Chloride	3.49	84	71597	46.20	ug/l	87
22) trans-1,2-Dichloroethene	3.88	96	64082	43.66	ug/l	95
23) Diisopropyl ether	4.64	45	215494	49.12	ug/l #	91
24) Vinyl Acetate	4.59	43	325196	312.24	ug/l	97
25) 1,1-Dichloroethane	4.55	63	130769	48.39	ug/l	98
26) 2-Butanone	5.43	43	73989	230.66	ug/l #	91
27) 2,2-Dichloropropane	5.40	77	149383	53.80	ug/l	94
28) cis-1,2-Dichloroethene	5.41	96	77692	50.84	ug/l	93
29) Bromochloromethane	5.77	49	51624	48.48	ug/l	86
30) Chloroform	5.96	83	178233	54.37	ug/l	98
31) Cyclohexane	6.26	56	108113	42.64	ug/l #	81
32) 1,1,1-Trichloroethane	6.16	97	162635	55.72	ug/l	97
36) 1,1-Dichloropropene	6.41	75	123862	53.54	ug/l	99
37) Ethyl Acetate	5.52	43	34699	46.69	ug/l	96
38) Carbon Tetrachloride	6.39	117	140241	58.34	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Fri Sep 18 15:47:18 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.07	83	122731	52.36	ug/l	94
40) Benzene	6.71	78	309541	52.41	ug/l	98
41) Methacrylonitrile	5.74	41	22130	53.10	ug/l #	93
42) 1,2-Dichloroethane	6.81	62	112127	61.13	ug/l	96
43) Isopropyl Acetate	8.39	43	50400	51.45	ug/l #	94
44) Trichloroethene	7.73	130	81947	55.43	ug/l	89
45) 1,2-Dichloropropane	8.13	63	75999	51.94	ug/l	97
46) Dibromomethane	8.25	93	47291	56.92	ug/l	92
47) Bromodichloromethane	8.55	83	128305	58.84	ug/l	97
48) Methyl methacrylate	8.07	41	77266	51.59	ug/l #	87
49) 1,4-Dioxane	8.27	88	5728	1033.92	ug/l #	83
51) 4-Methyl-2-Pentanone	9.47	43	190678	269.39	ug/l	95
52) Toluene	9.70	92	206279	56.63	ug/l	99
53) t-1,3-Dichloropropene	10.11	75	95600	59.38	ug/l	95
54) cis-1,3-Dichloropropene	9.22	75	118545	57.18	ug/l	96
55) 1,1,2-Trichloroethane	10.38	97	52961	56.15	ug/l	97
56) Ethyl methacrylate	10.22	69	49148	50.21	ug/l	94
57) 1,3-Dichloropropane	10.59	76	98319	56.05	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.01	63	125940	270.27	ug/l	95
59) 2-Hexanone	10.70	43	136793	267.50	ug/l	95
60) Dibromochloromethane	10.87	129	77668	60.00	ug/l	99
61) 1,2-Dibromoethane	11.00	107	51805	55.63	ug/l	94
64) Tetrachloroethene	10.45	164	83012	51.87	ug/l	93
65) Chlorobenzene	11.59	112	211655	50.74	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.71	131	83915	54.78	ug/l	96
67) Ethyl Benzene	11.71	91	455471	54.35	ug/l	99
68) m/p-Xylenes	11.87	106	285884	108.15	ug/l	89
69) o-Xylene	12.28	106	135143	56.79	ug/l	90
70) Styrene	12.30	104	234860	56.93	ug/l	97
71) Bromoform	12.49	173	46360	56.82	ug/l	99
73) Isopropylbenzene	12.66	105	419165	52.75	ug/l	97
74) N-amyl acetate	12.49	43	81059	41.45	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.98	83	62351	48.62	ug/l	90
76) 1,2,3-Trichloropropane	13.02	75	67569	49.25	ug/l	98
77) Bromobenzene	12.97	156	100357	50.22	ug/l	92
78) n-propylbenzene	13.06	91	583218	51.97	ug/l	96
79) 2-Chlorotoluene	13.15	91	320609	51.46	ug/l	98
80) 1,3,5-Trimethylbenzene	13.24	105	323485	51.09	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.73	75	16986	45.36	ug/l	91
82) 4-Chlorotoluene	13.26	91	374831	50.55	ug/l	95
83) tert-Butylbenzene	13.53	119	355006	62.18	ug/l	99
84) 1,2,4-Trimethylbenzene	13.58	105	329021	51.62	ug/l	99
85) sec-Butylbenzene	13.72	105	439607	52.39	ug/l	94
86) p-Isopropyltoluene	13.86	119	341480	51.77	ug/l	98
87) 1,3-Dichlorobenzene	13.83	146	189516	50.83	ug/l	97
88) 1,4-Dichlorobenzene	13.93	146	185365	50.00	ug/l	98
89) n-Butylbenzene	14.21	91	381778	51.27	ug/l	96
90) Hexachloroethane	14.47	117	76639	50.12	ug/l	89
91) 1,2-Dichlorobenzene	14.23	146	163019	52.05	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.88	75	8097	49.13	ug/l	73

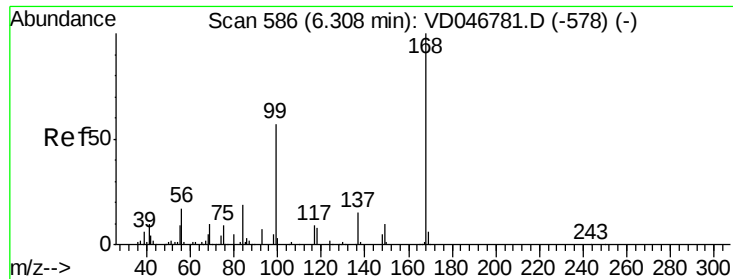
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.57	180	95621	53.02	ug/l	97
94) Hexachlorobutadiene	15.68	225	72388	48.76	ug/l	96
95) Naphthalene	15.81	128	118975	49.85	ug/l	99
96) 1,2,3-Trichlorobenzene	16.01	180	77555	51.46	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.29 min Scan# 585

Delta R.T. -0.02 min

Lab File: VD046859.D

Acq: 23 Sep 2015 17:46

Instrument :

MSVOA_D

ClientSampleId :

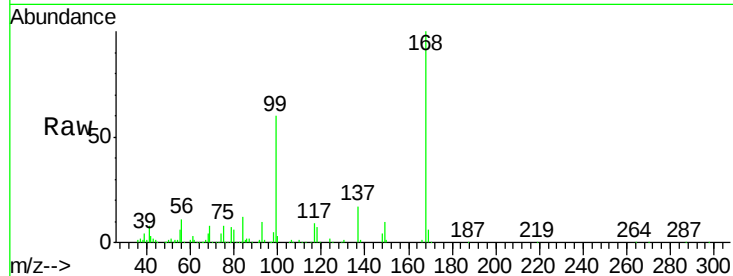
VSTDCCC050EC

Tot Ion:168 Resp: 162466

Ion Ratio Lower Upper

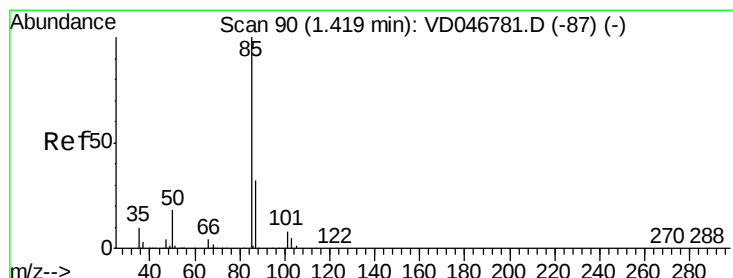
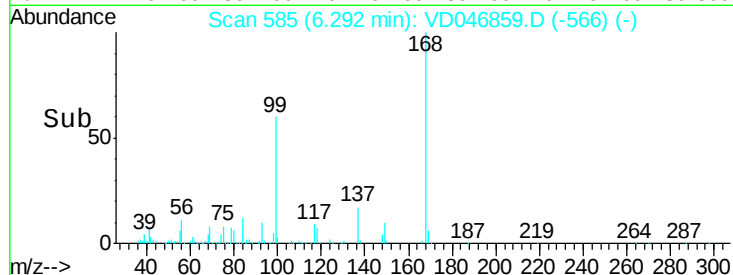
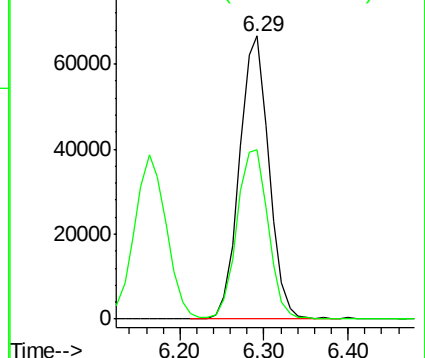
168 100

99 59.9 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: 51.05 ug/l

RT: 1.41 min Scan# 90

Delta R.T. -0.01 min

Lab File: VD046859.D

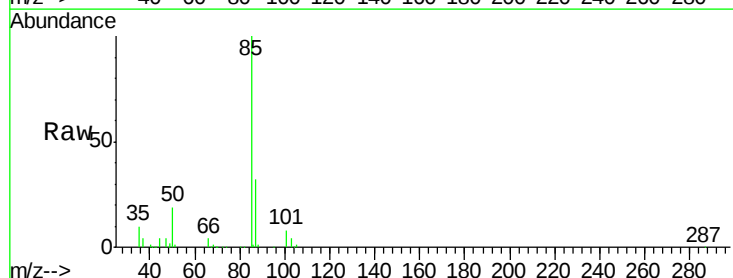
Acq: 23 Sep 2015 17:46

Tgt Ion: 85 Resp: 75311

Ion Ratio Lower Upper

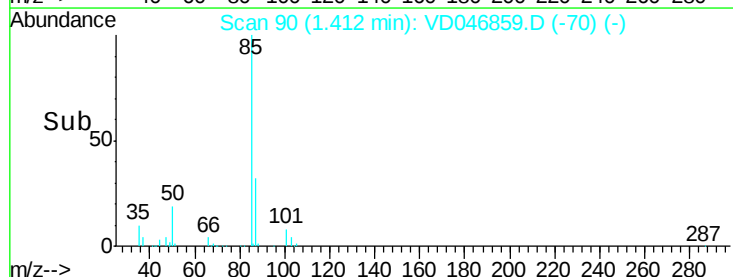
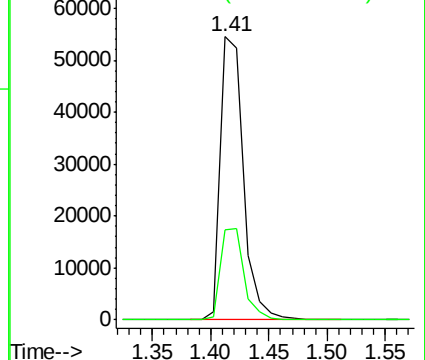
85 100

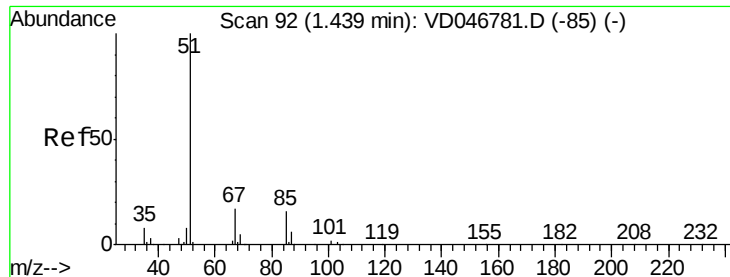
87 32.0 16.2 48.5



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chlorodifluoromethane

Concen: 41.10 ug/l

RT: 1.43 min Scan# 92

Delta R.T. -0.01 min

Lab File: VD046859.D

Acq: 23 Sep 2015 17:46

Instrument :

MSVOA_D

ClientSampleId :

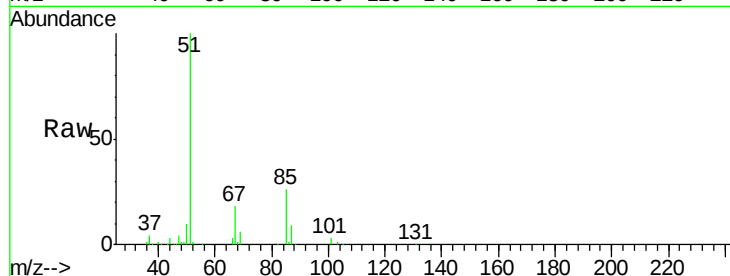
VSTDCCC050EC

Tot Ion: 51 Resp: 51804

Ion Ratio Lower Upper

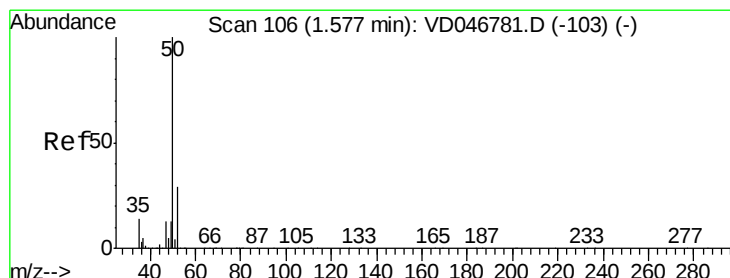
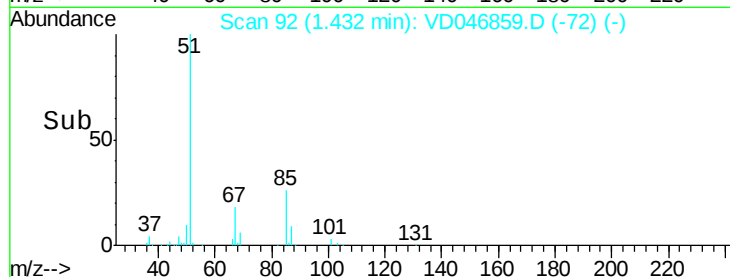
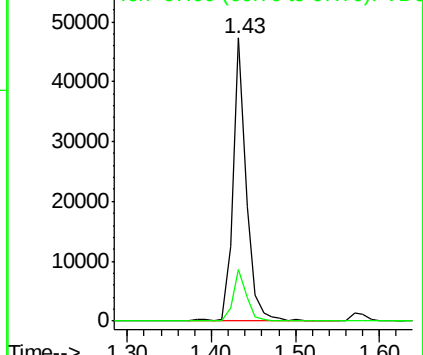
51 100

67 18.7 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: 41.83 ug/l

RT: 1.57 min Scan# 106

Delta R.T. -0.01 min

Lab File: VD046859.D

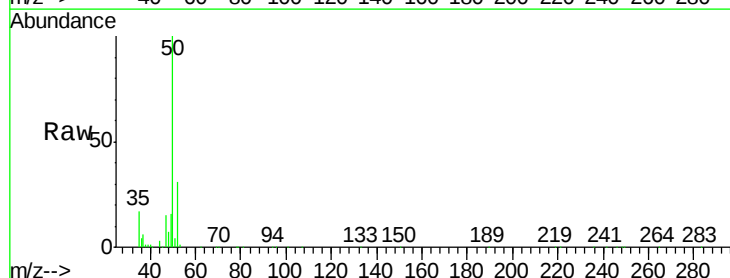
Acq: 23 Sep 2015 17:46

Tgt Ion: 50 Resp: 40058

Ion Ratio Lower Upper

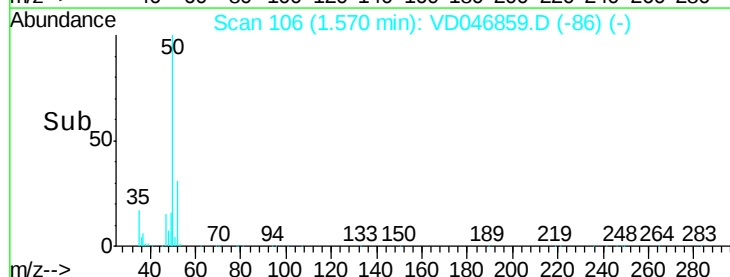
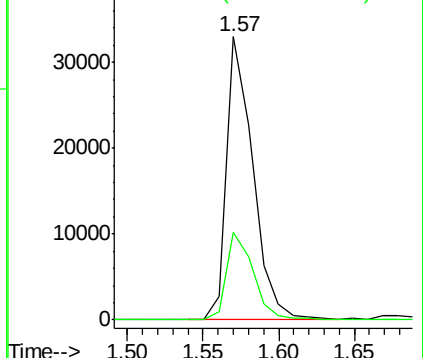
50 100

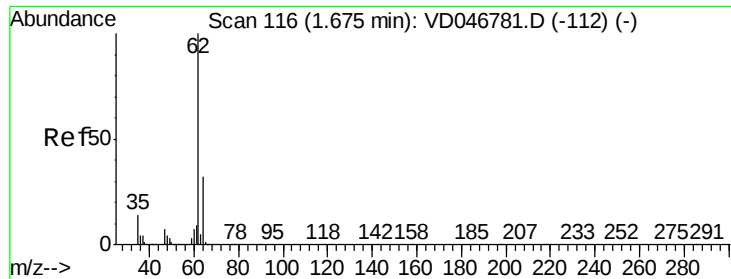
52 31.1 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC





#5

Vinyl Chloride

Concen: 46.47 ug/l

RT: 1.67 min Scan# 116

Delta R.T. -0.01 min

Lab File: VD046859.D

Acq: 23 Sep 2015 17:46

Instrument :

MSVOA_D

ClientSampleId :

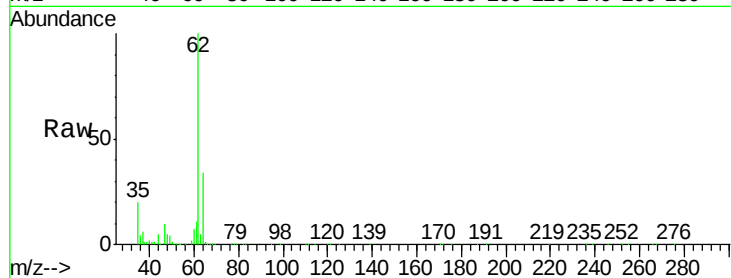
VSTDCCC050EC

Tot Ion: 62 Resp: 41797

Ion Ratio Lower Upper

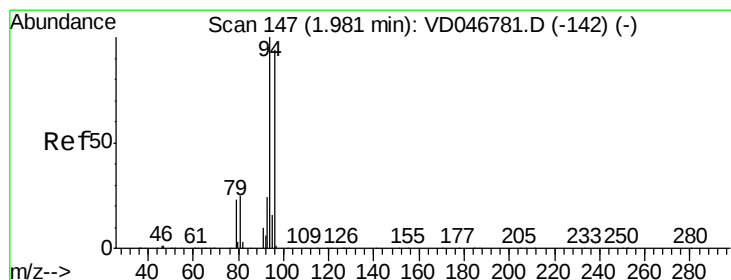
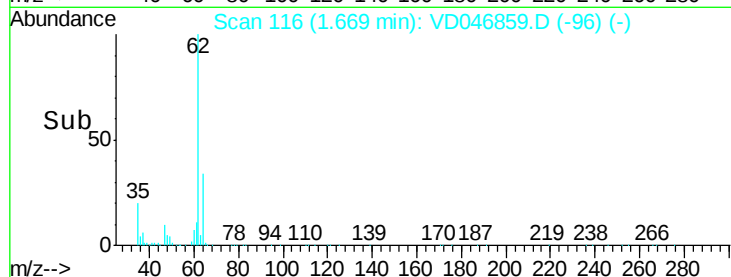
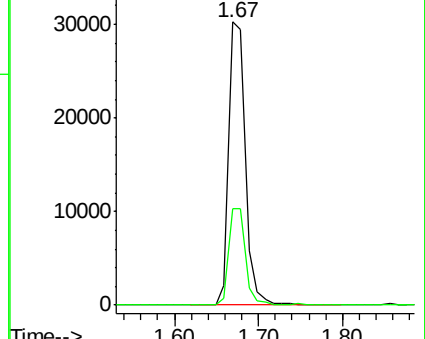
62 100

64 34.0 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: 56.67 ug/l

RT: 1.97 min Scan# 147

Delta R.T. -0.01 min

Lab File: VD046859.D

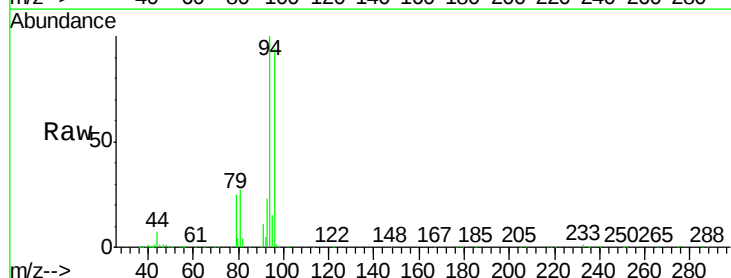
Acq: 23 Sep 2015 17:46

Tgt Ion: 94 Resp: 43710

Ion Ratio Lower Upper

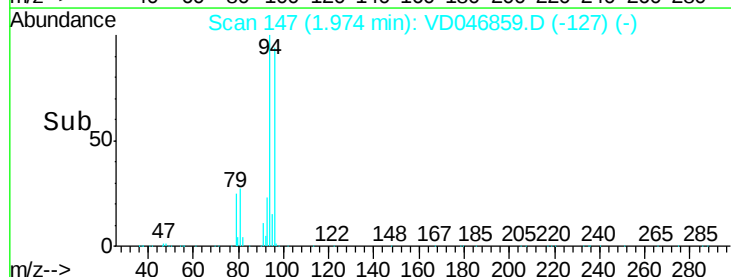
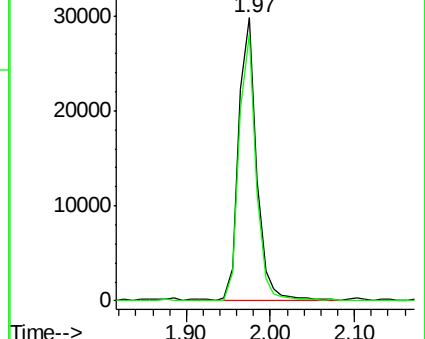
94 100

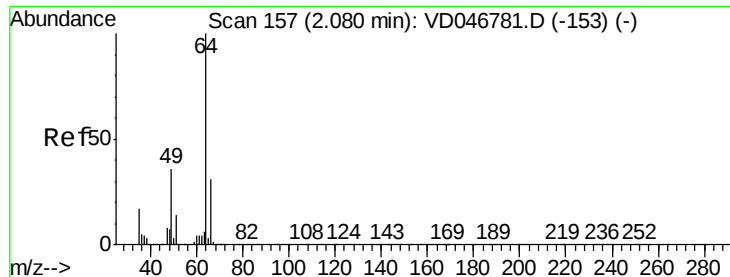
96 94.1 76.0 114.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC





#7

Chloroethane

Concen: 57.23 ug/l

RT: 2.07 min Scan# 157

Delta R.T. -0.01 min

Lab File: VD046859.D

Acq: 23 Sep 2015 17:46

Instrument :

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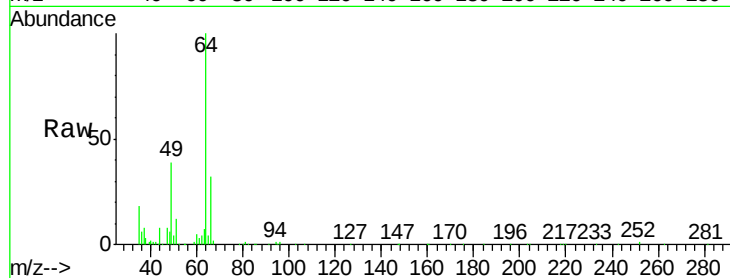
VSTDCCC050EC

Tot Ion: 64 Resp: 32221

Ion Ratio Lower Upper

64 100

66 32.4 26.6 39.8



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.07

20000

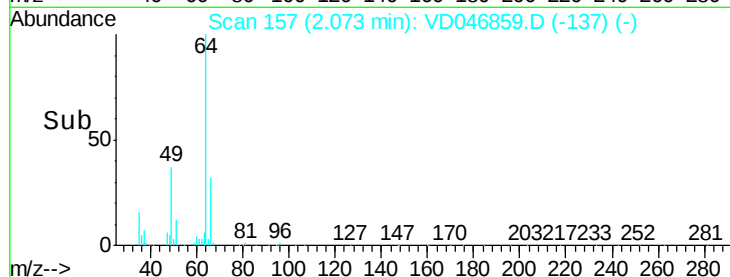
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10000

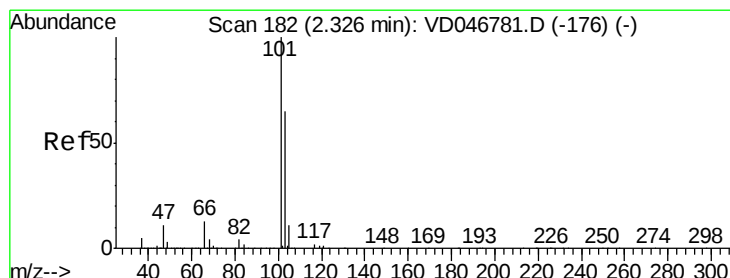
5000

0

Time-->



Time-->



#8

Trichlorofluoromethane

Concen: 57.06 ug/l

RT: 2.32 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD046859.D

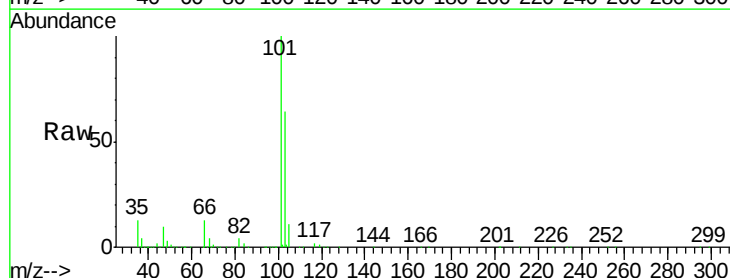
Acq: 23 Sep 2015 17:46

Tgt Ion: 101 Resp: 151826

Ion Ratio Lower Upper

101 100

103 64.3 53.2 79.8



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V

2.32

100000

80000

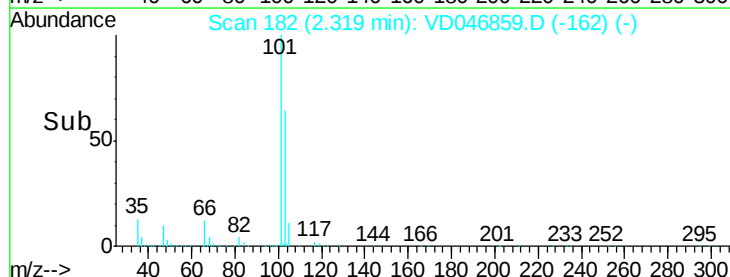
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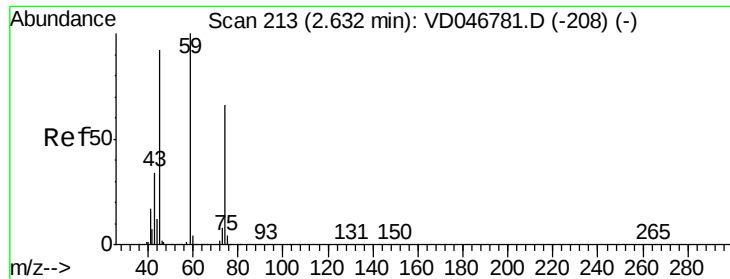
40000

20000

0

Time-->





#9

Diethyl Ether

Concen: 38.71 ug/l

RT: 2.62 min Scan# 213

Delta R.T. -0.01 min

Lab File: VD046859.D

Acq: 23 Sep 2015 17:46

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ClientSampleId :

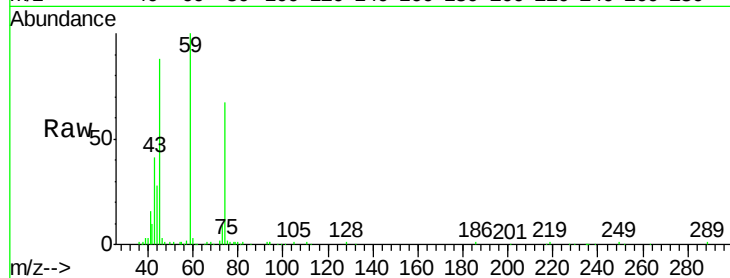
VSTDCCC050EC

Tot Ion: 74 Resp: 18257

Ion Ratio Lower Upper

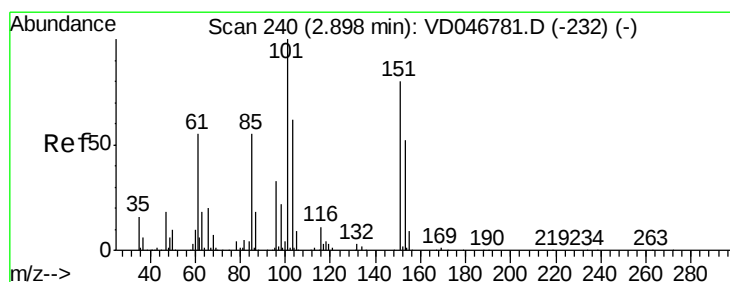
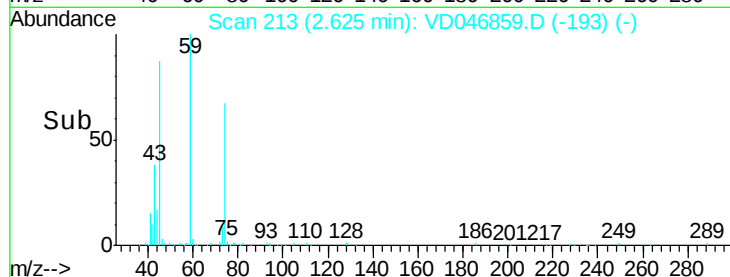
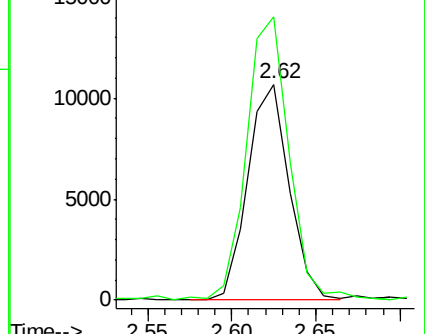
74 100

45 131.2 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: 49.20 ug/l

RT: 2.88 min Scan# 239

Delta R.T. -0.02 min

Lab File: VD046859.D

Acq: 23 Sep 2015 17:46

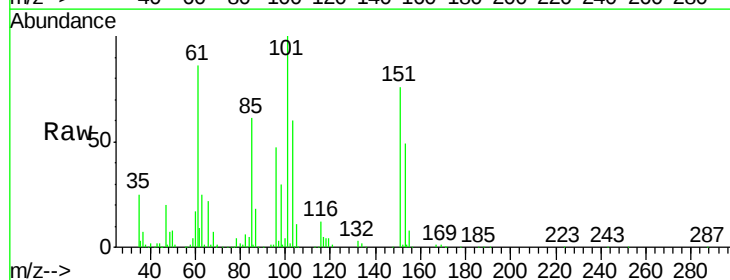
Tgt Ion: 101 Resp: 81905

Ion Ratio Lower Upper

101 100

85 60.5 42.0 63.0

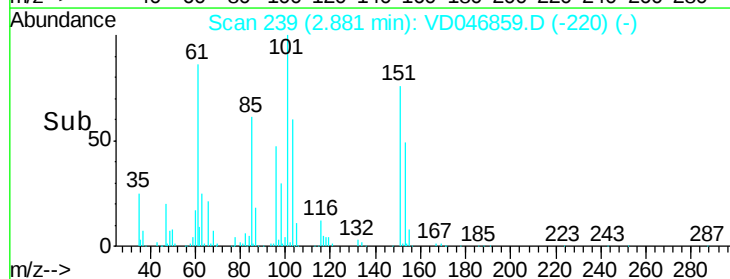
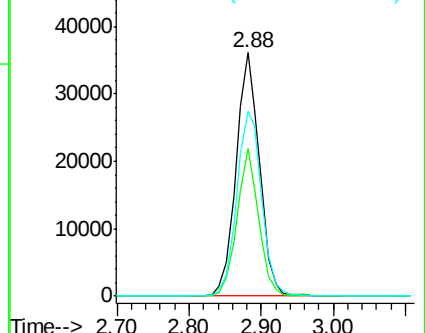
151 75.8 65.2 97.8

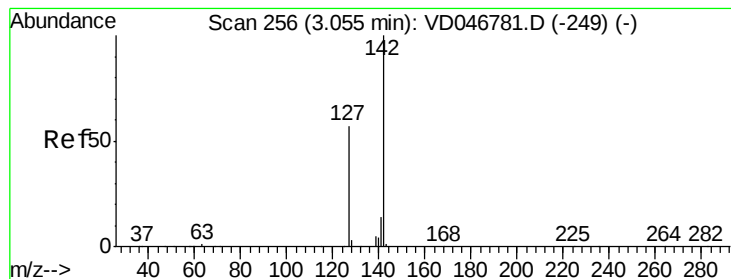


Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): VDC

Ion 150.90 (150.60 to 151.60): V





#11

Methvl Iodide

Concen: 46.99 ug/l

RT: 3.04 min Scan# 255

Delta R.T. -0.02 min

Lab File: VD046859.D

Acq: 23 Sep 2015 17:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

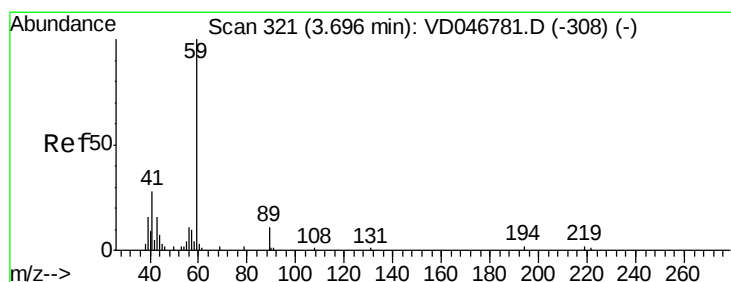
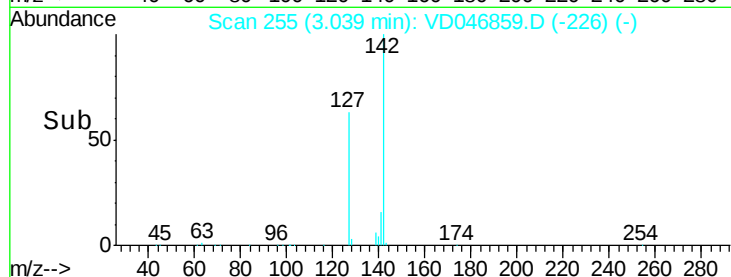
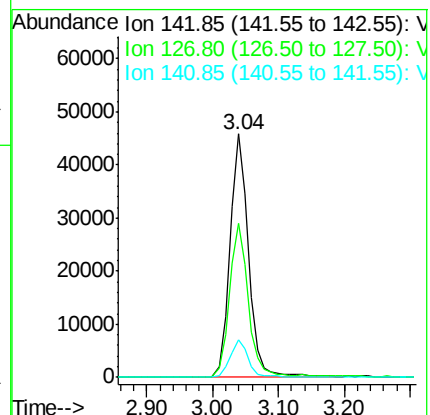
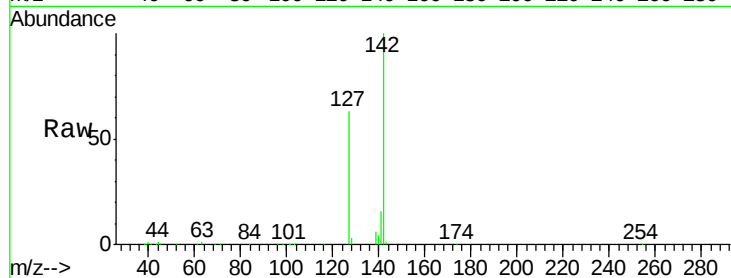
Tot Ion:142 Resp: 91169

Ion Ratio Lower Upper

142 100

127 63.0 41.2 61.8#

141 15.7 11.6 17.4



#12

Tert butyl alcohol

Concen: 184.76 ug/l

RT: 3.67 min Scan# 319

Delta R.T. -0.03 min

Lab File: VD046859.D

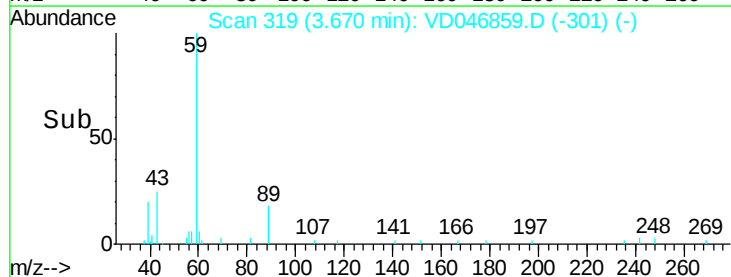
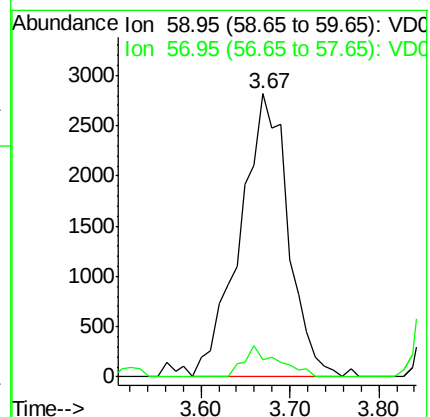
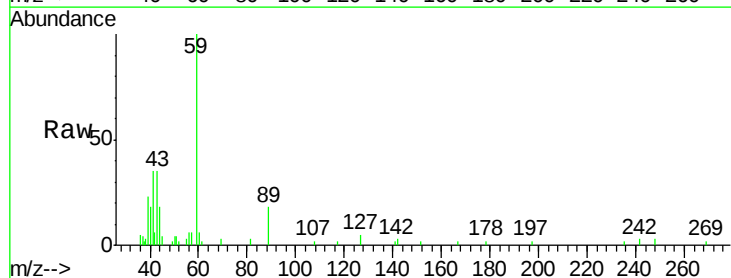
Acq: 23 Sep 2015 17:46

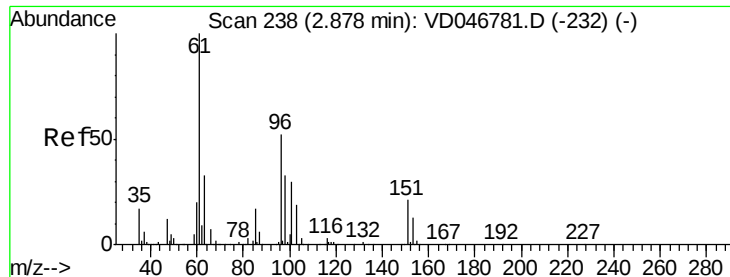
Tgt Ion: 59 Resp: 10557

Ion Ratio Lower Upper

59 100

57 5.9 7.8 11.6#

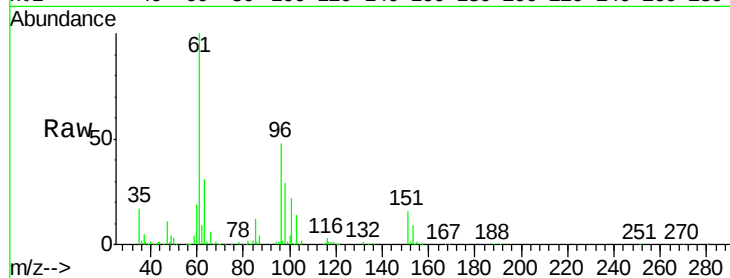




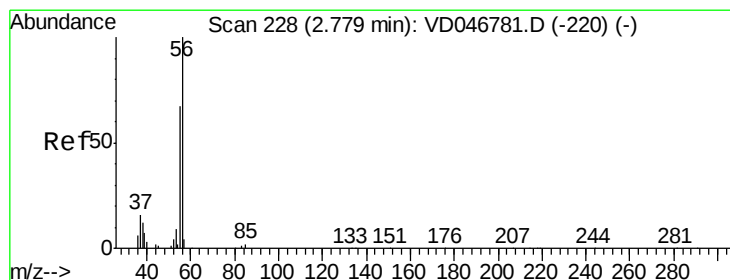
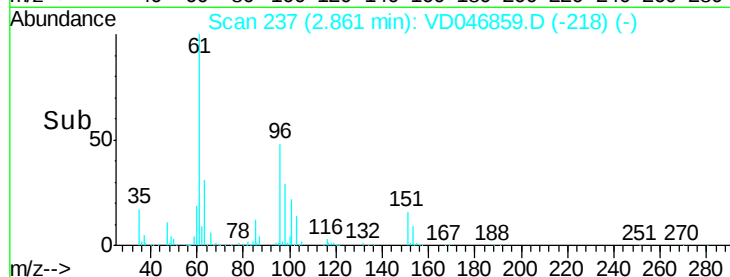
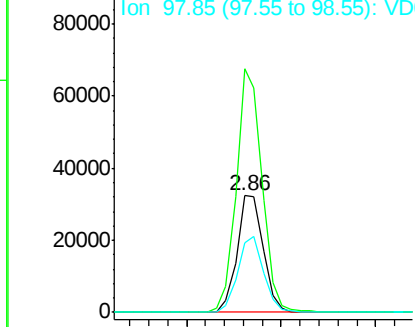
#13
 1,1-Dichloroethene
 Concen: 47.89 ug/l
 RT: 2.86 min Scan# 237
 Delta R.T. -0.02 min
 Lab File: VD046859.D
 Acq: 23 Sep 2015 17:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 96 Resp: 62334
 Ion Ratio Lower Upper
 96 100
 61 208.7 152.2 228.4
 98 59.8 51.2 76.8

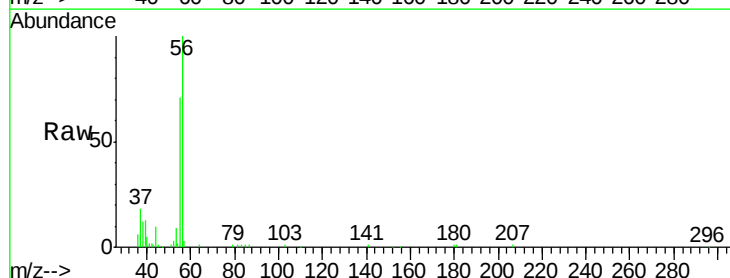


Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC

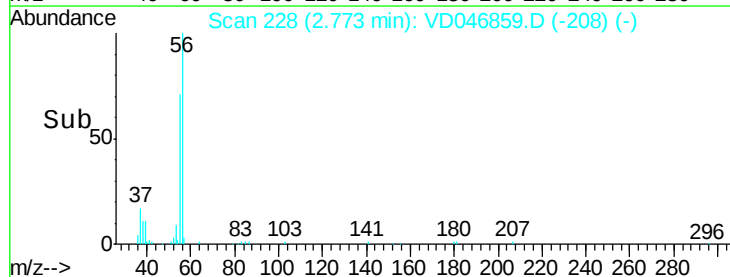
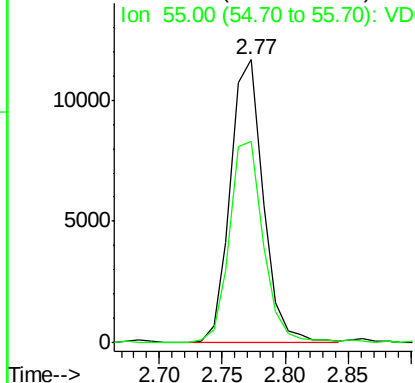


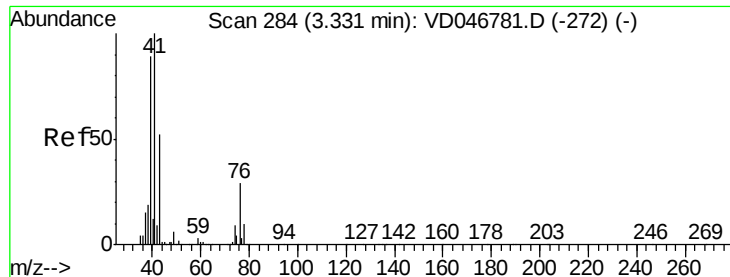
#14
 Acrolein
 Concen: 244.45 ug/l
 RT: 2.77 min Scan# 228
 Delta R.T. -0.01 min
 Lab File: VD046859.D
 Acq: 23 Sep 2015 17:46

Tgt Ion: 56 Resp: 21095
 Ion Ratio Lower Upper
 56 100
 55 71.3 62.6 93.8



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

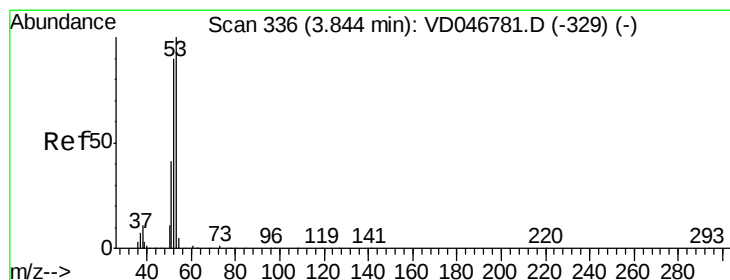
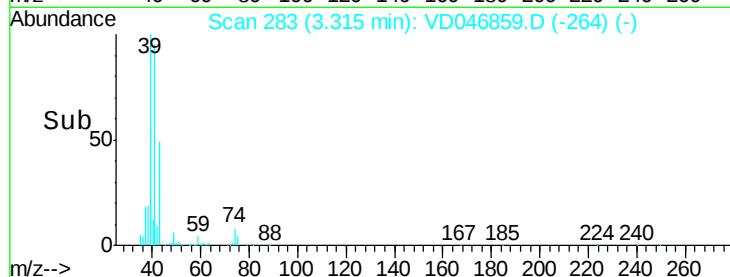
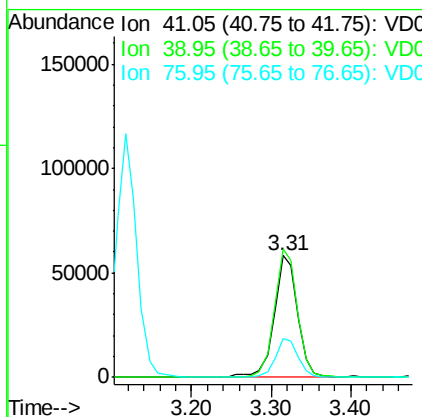
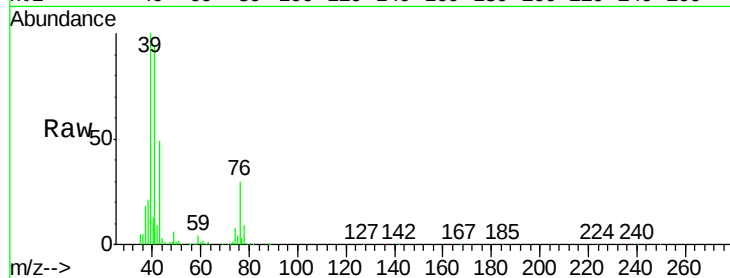




#15
 Allvl chloride
 Concen: 45.46 ug/l
 RT: 3.31 min Scan# 283
 Delta R.T. -0.02 min
 Lab File: VD046859.D
 Acq: 23 Sep 2015 17:46

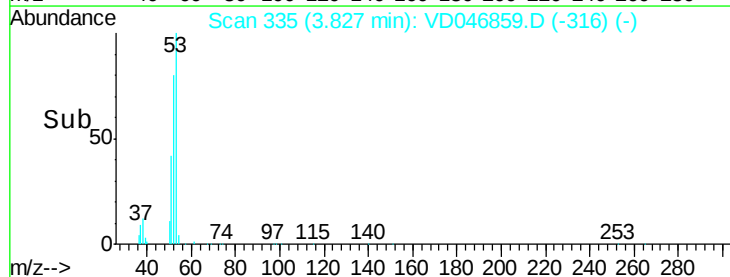
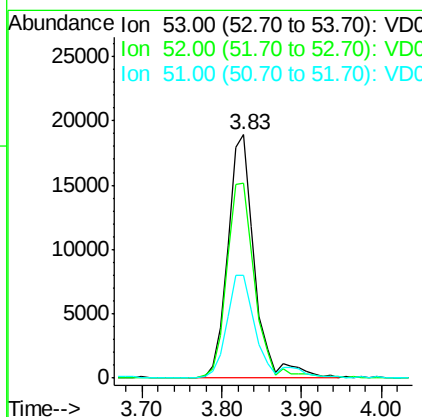
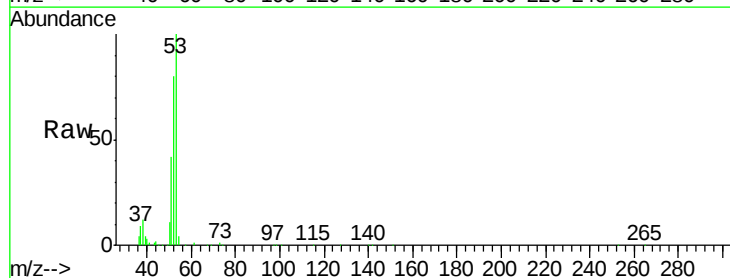
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

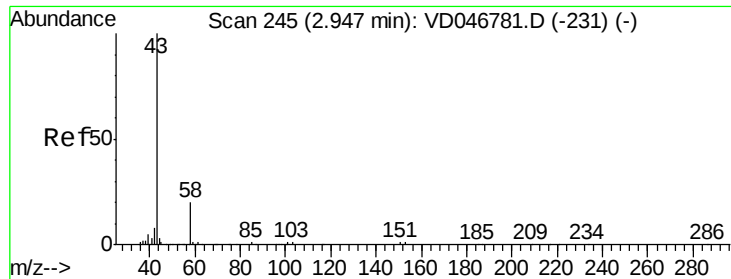
Tot Ion	Ratio	Lower	Upper
41	100		
39	106.0	58.8	88.2#
76	31.5	22.7	34.1



#16
 Acrylonitrile
 Concen: 225.55 ug/l
 RT: 3.83 min Scan# 335
 Delta R.T. -0.02 min
 Lab File: VD046859.D
 Acq: 23 Sep 2015 17:46

Tgt Ion	Ratio	Lower	Upper
53	100		
52	80.0	66.8	100.2
51	42.2	31.2	46.8





#17

Acetone

Concen: 222.56 ug/l

RT: 2.93 min Scan# 244

Delta R.T. -0.02 min

Lab File: VD046859.D

Acq: 23 Sep 2015 17:46

Instrument :

MSVOA_D

ClientSampleId :

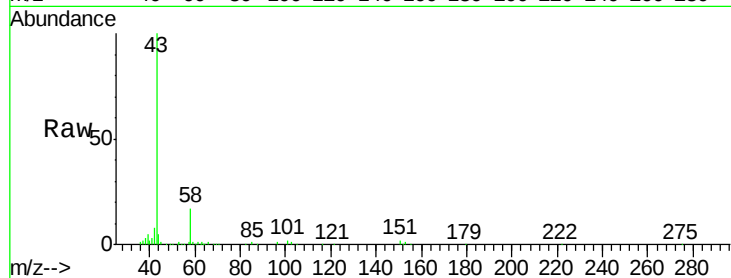
VSTDCCC050EC

Tot Ion: 43 Resp: 63521

Ion Ratio Lower Upper

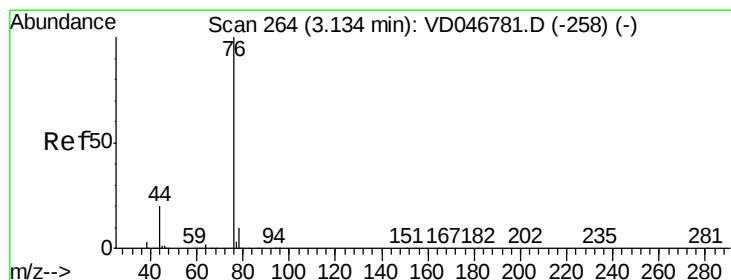
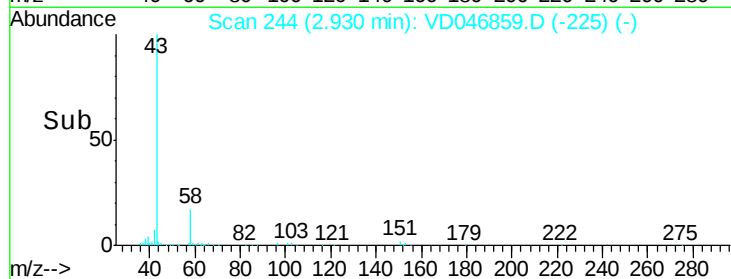
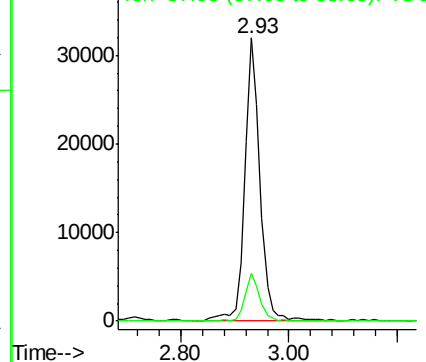
43 100

58 16.8 16.6 24.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#18

Carbon Disulfide

Concen: 42.93 ug/l

RT: 3.12 min Scan# 263

Delta R.T. -0.02 min

Lab File: VD046859.D

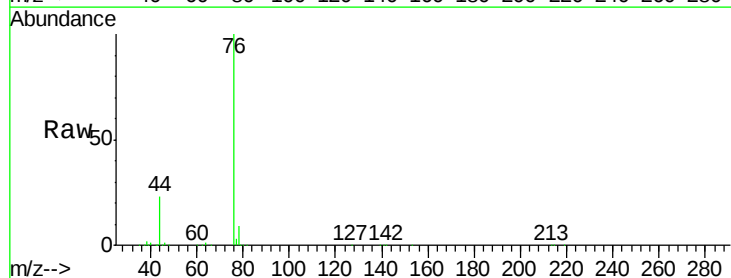
Acq: 23 Sep 2015 17:46

Tgt Ion: 76 Resp: 209346

Ion Ratio Lower Upper

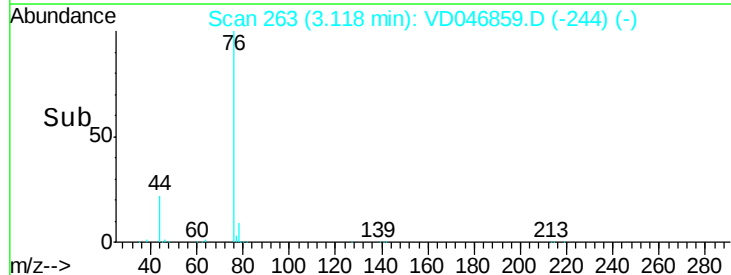
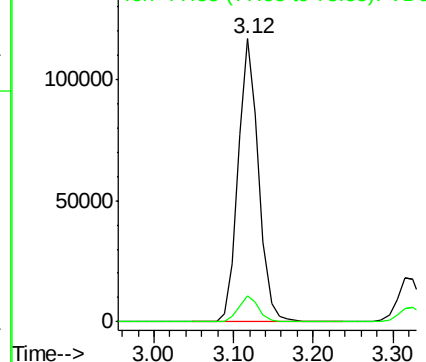
76 100

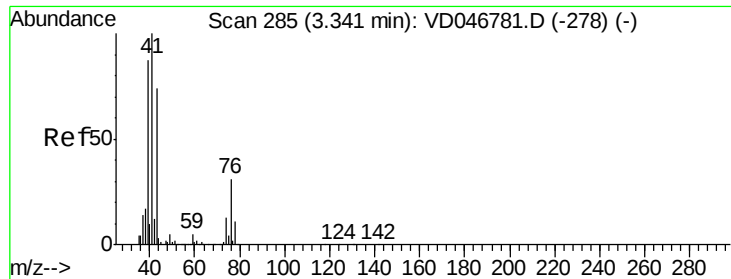
78 9.4 8.0 12.0



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

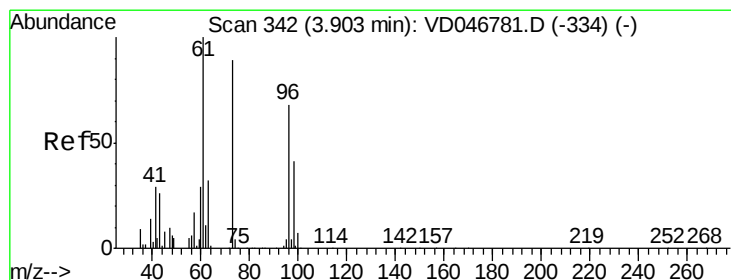
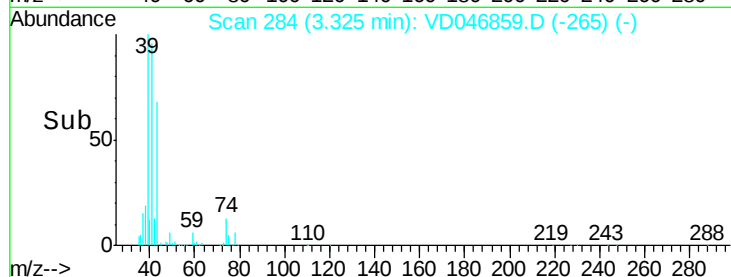
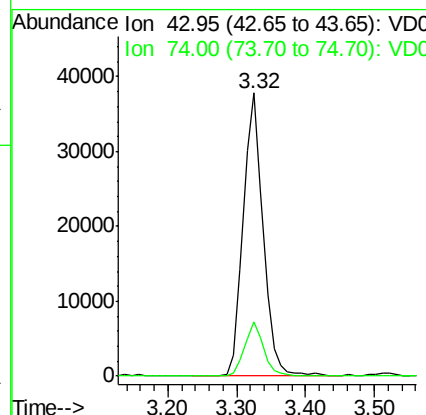
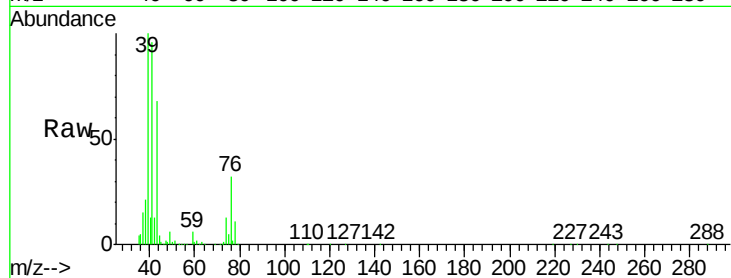




#19
Methvl Acetate
Concen: 46.05 ug/l
RT: 3.32 min Scan# 284
Delta R.T. -0.02 min
Lab File: VD046859.D
Acq: 23 Sep 2015 17:46

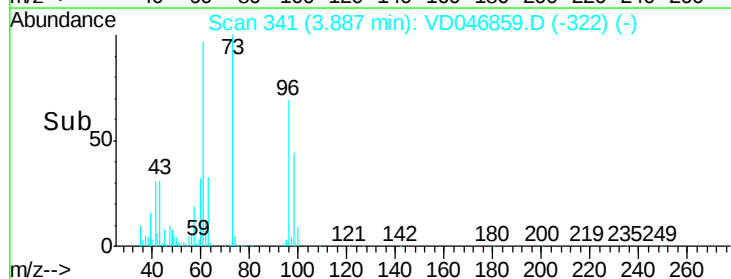
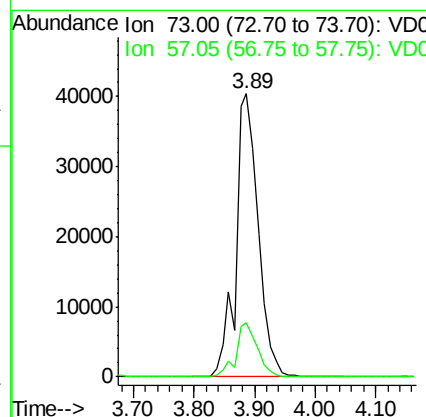
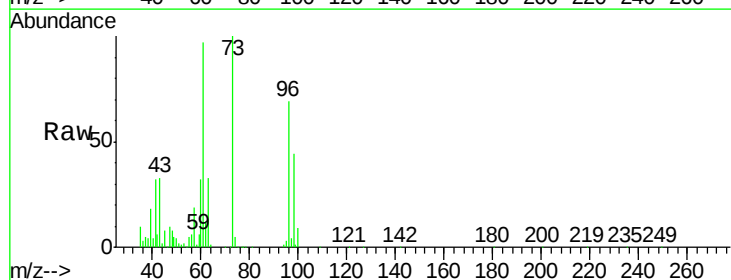
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

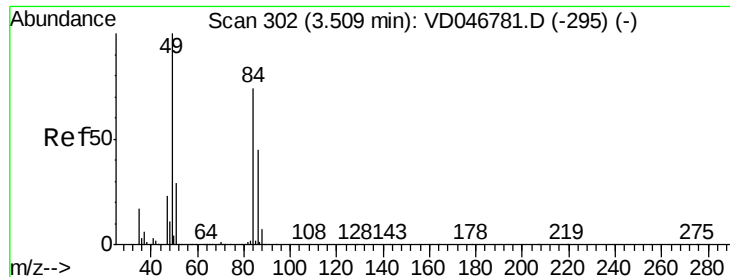
Tot Ion: 43 Resp: 76138
Ion Ratio Lower Upper
43 100
74 19.0 13.7 20.5



#20
Methyl tert-butyl Ether
Concen: 50.88 ug/l
RT: 3.89 min Scan# 341
Delta R.T. -0.02 min
Lab File: VD046859.D
Acq: 23 Sep 2015 17:46

Tgt Ion: 73 Resp: 103755
Ion Ratio Lower Upper
73 100
57 19.0 18.1 27.1

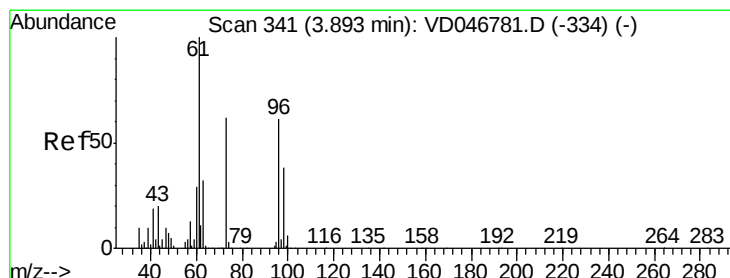
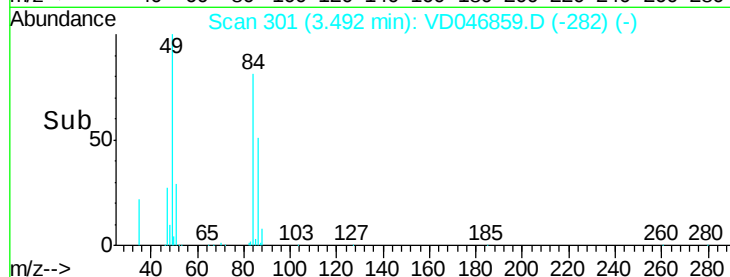
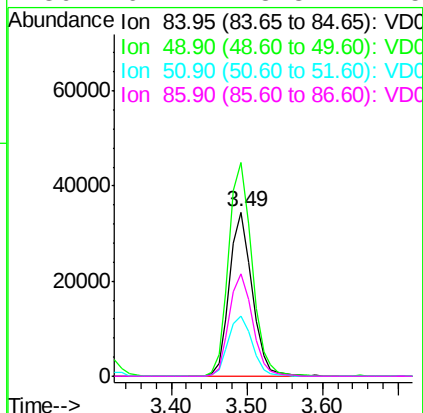
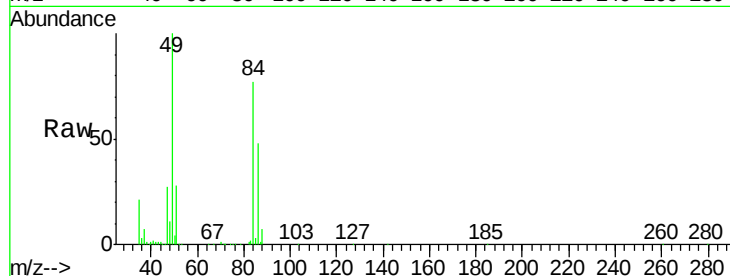




#21
Methylene Chloride
Concen: 46.20 ug/l
RT: 3.49 min Scan# 301
Delta R.T. -0.02 min
Lab File: VD046859.D
Acq: 23 Sep 2015 17:46

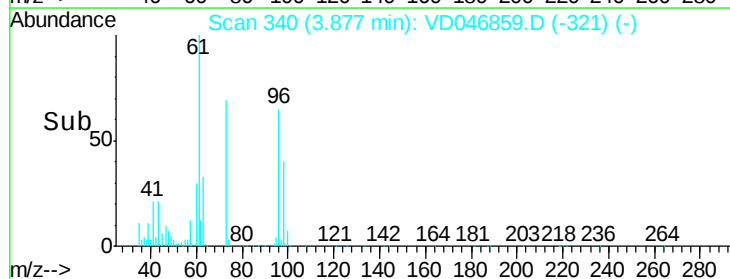
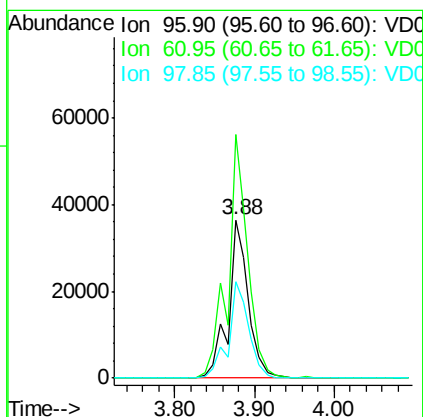
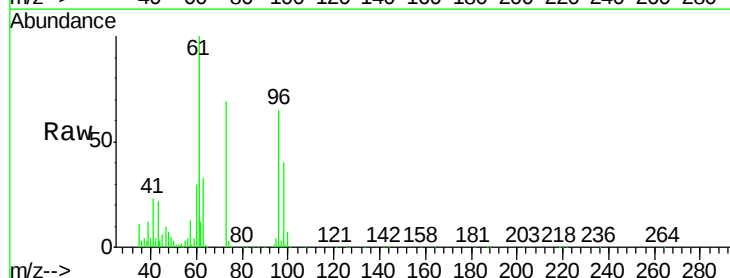
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

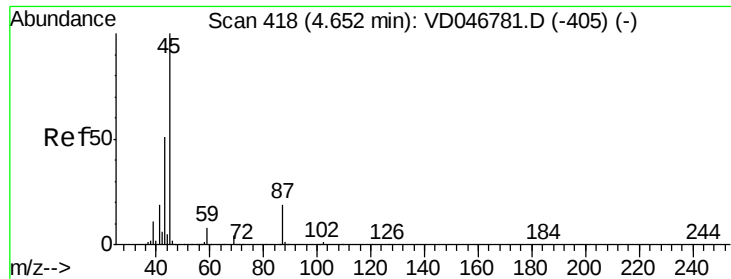
Tot Ion:	84	Resp:	71597
Ion	Ratio	Lower	Upper
84	100		
49	130.0	122.1	183.1
51	36.9	33.6	50.4
86	62.4	48.3	72.5



#22
trans-1,2-Dichloroethene
Concen: 43.66 ug/l
RT: 3.88 min Scan# 340
Delta R.T. -0.02 min
Lab File: VD046859.D
Acq: 23 Sep 2015 17:46

Tgt Ion:	96	Resp:	64082
Ion	Ratio	Lower	Upper
96	100		
61	153.7	125.8	188.6
98	60.7	54.5	81.7

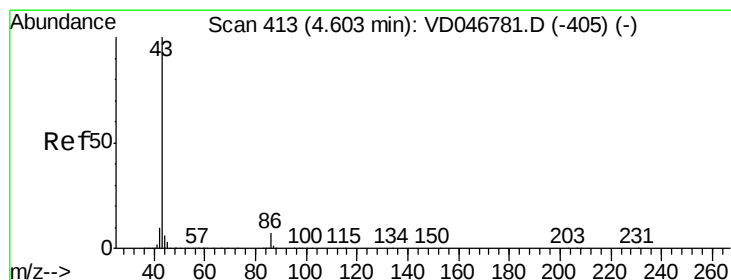
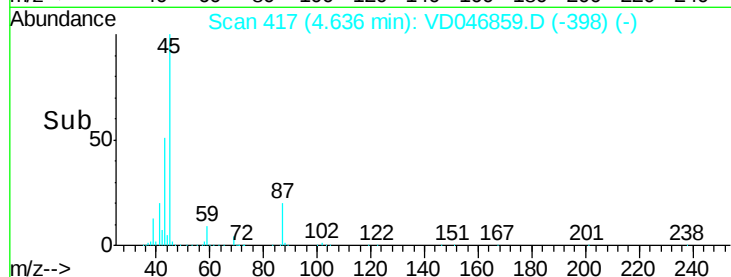
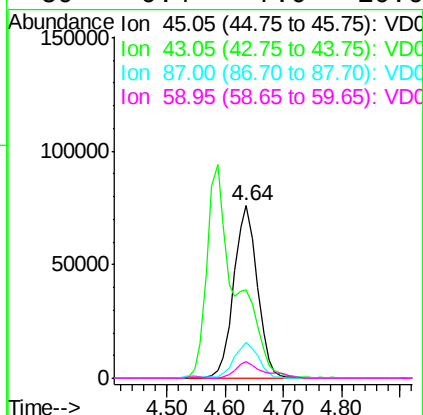
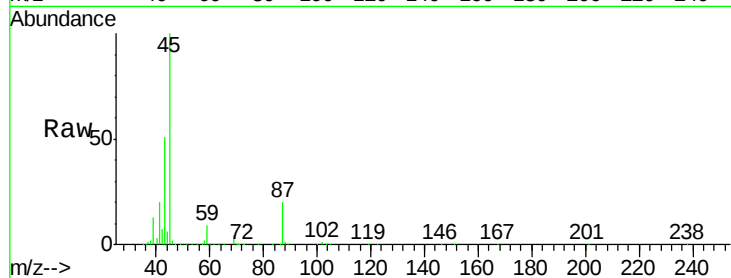




#23
Diisopropyl ether
Concen: 49.12 ug/l
RT: 4.64 min Scan# 417
Delta R.T. -0.02 min
Lab File: VD046859.D
Acq: 23 Sep 2015 17:46

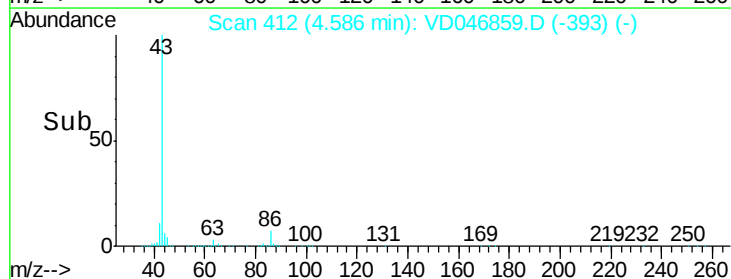
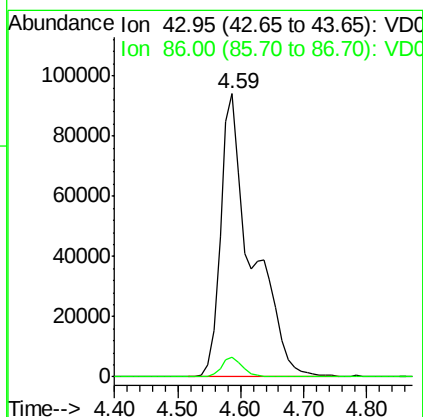
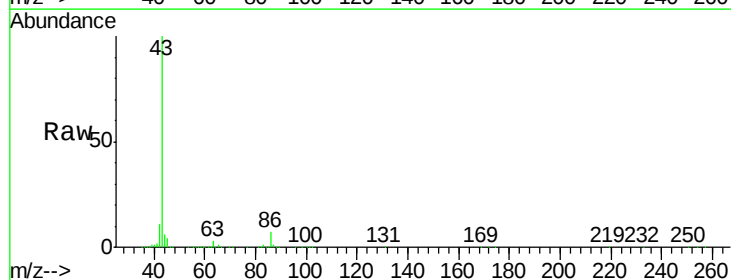
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

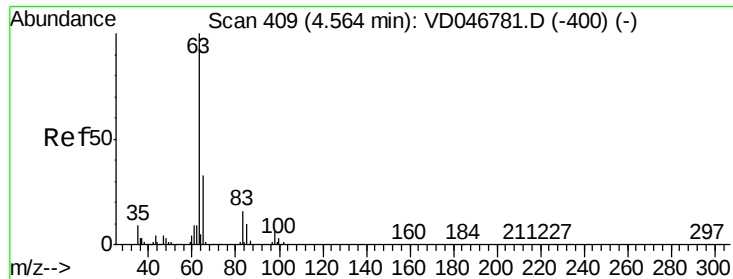
Tot Ion:	45	Resp:	215494
Ion	Ratio	Lower	Upper
45	100		
43	51.4	35.9	53.9
87	20.5	13.0	19.6
59	9.4	7.0	10.6



#24
Vinyl Acetate
Concen: 312.24 ug/l
RT: 4.59 min Scan# 412
Delta R.T. -0.02 min
Lab File: VD046859.D
Acq: 23 Sep 2015 17:46

Tgt Ion:	43	Resp:	325196
Ion	Ratio	Lower	Upper
43	100		
86	7.1	4.9	7.3





#25

1,1-Dichloroethane

Concen: 48.39 ug/l

RT: 4.55 min Scan# 408

Delta R.T. -0.02 min

Lab File: VD046859.D

Acq: 23 Sep 2015 17:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

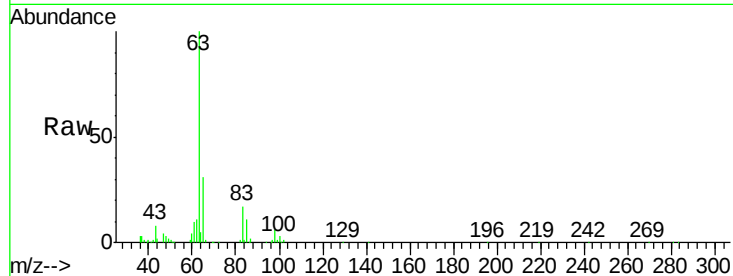
Tot Ion: 63 Resp: 130769

Ion Ratio Lower Upper

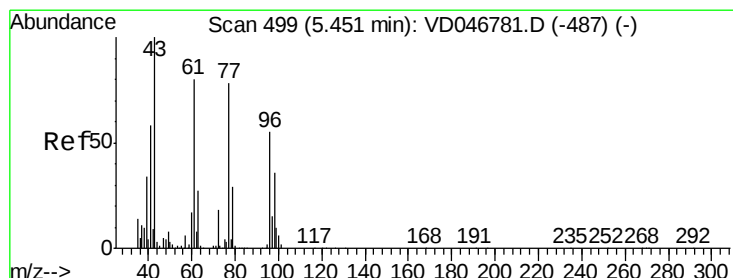
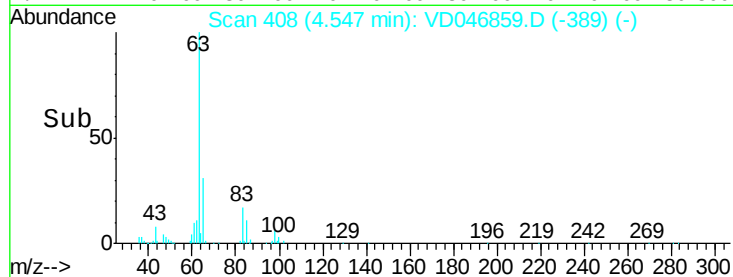
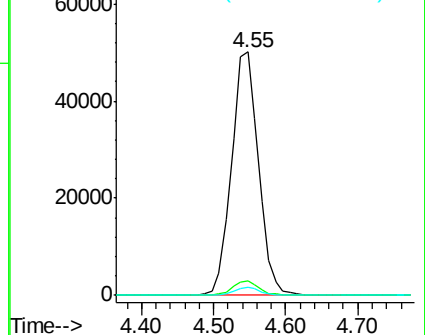
63 100

98 6.0 2.5 7.5

100 3.4 1.5 4.5



Abundance Ion 62.95 (62.65 to 63.65): VDC
Ion 97.95 (97.65 to 98.65): VDC
Ion 99.95 (99.65 to 100.65): VDC



#26

2-Butanone

Concen: 230.66 ug/l

RT: 5.43 min Scan# 498

Delta R.T. -0.02 min

Lab File: VD046859.D

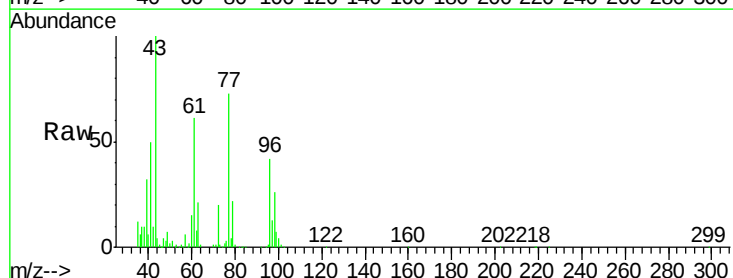
Acq: 23 Sep 2015 17:46

Tgt Ion: 43 Resp: 73989

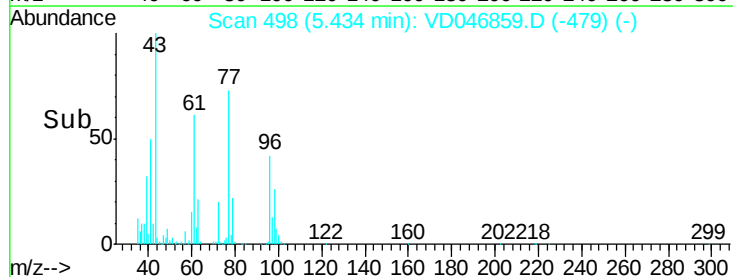
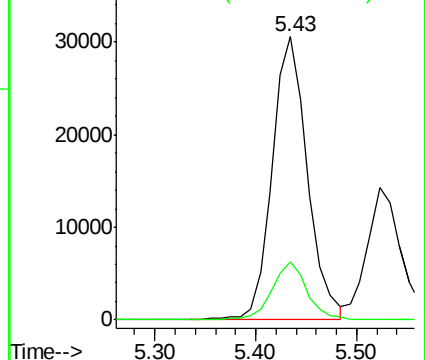
Ion Ratio Lower Upper

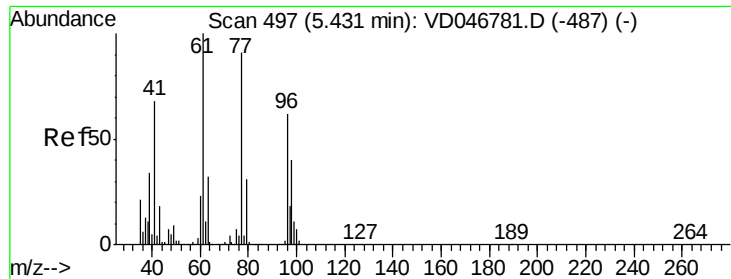
43 100

72 20.4 13.4 20.0#



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC





#27

2,2-Dichloropropane

Concen: 53.80 ug/l

RT: 5.40 min Scan# 495

Delta R.T. -0.03 min

Lab File: VD046859.D

Acq: 23 Sep 2015 17:46

Instrument :

MSVOA_D

ClientSampleId :

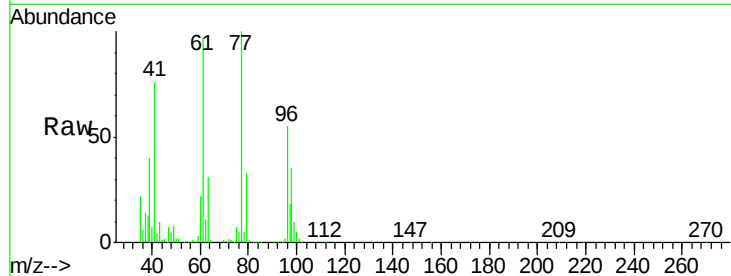
VSTDCCC050EC

Tot Ion: 77 Resp: 149383

Ion Ratio Lower Upper

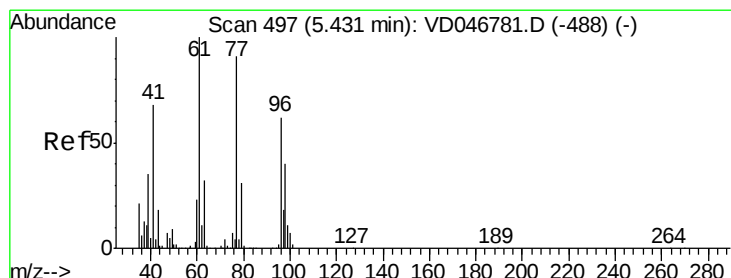
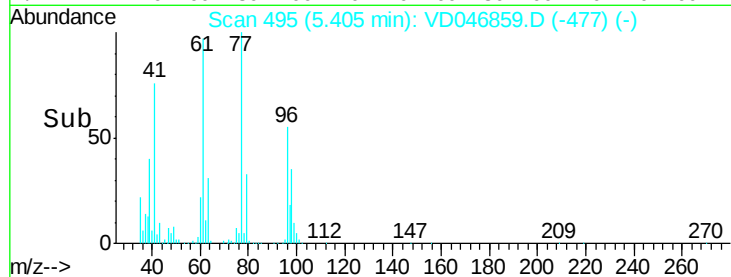
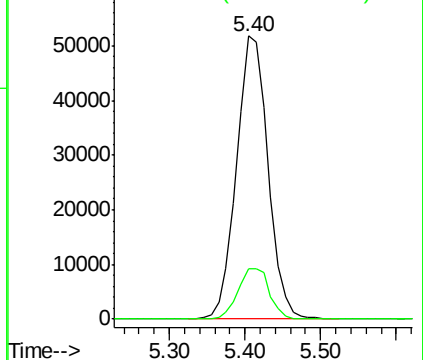
77 100

97 17.7 10.4 31.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



#28

cis-1,2-Dichloroethene

Concen: 50.84 ug/l

RT: 5.41 min Scan# 496

Delta R.T. -0.02 min

Lab File: VD046859.D

Acq: 23 Sep 2015 17:46

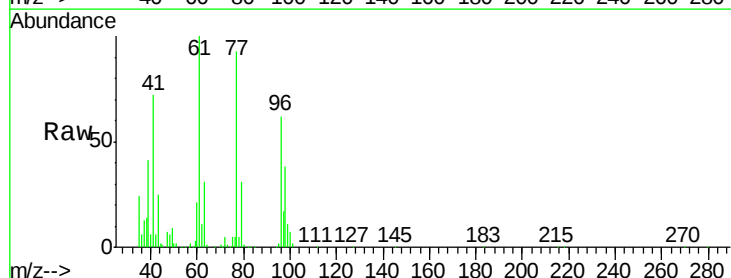
Tgt Ion: 96 Resp: 77692

Ion Ratio Lower Upper

96 100

61 162.6 0.0 348.0

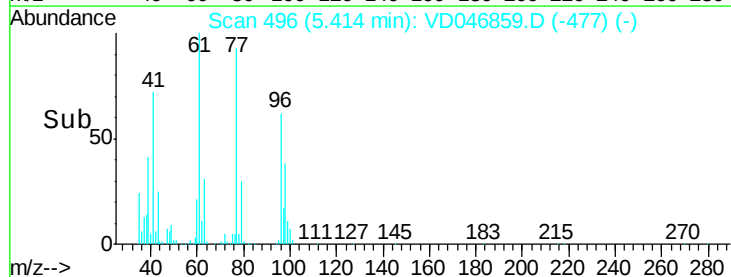
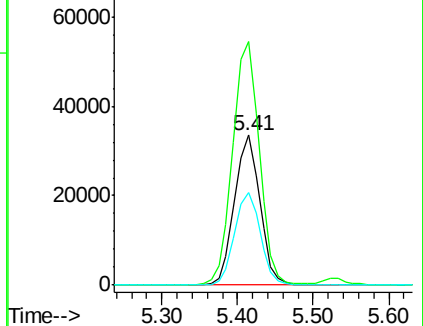
98 62.2 0.0 128.8

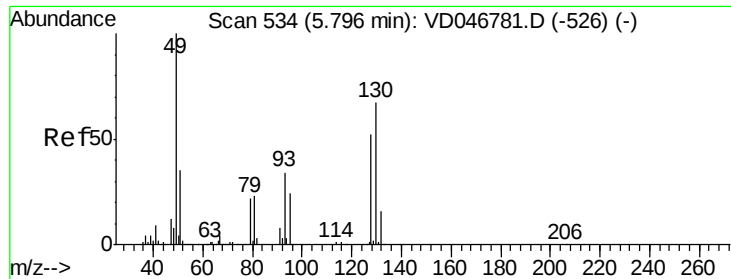


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#29

Bromochloromethane

Concen: 48.48 ug/l

RT: 5.77 min Scan# 532

Delta R.T. -0.03 min

Lab File: VD046859.D

Acq: 23 Sep 2015 17:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

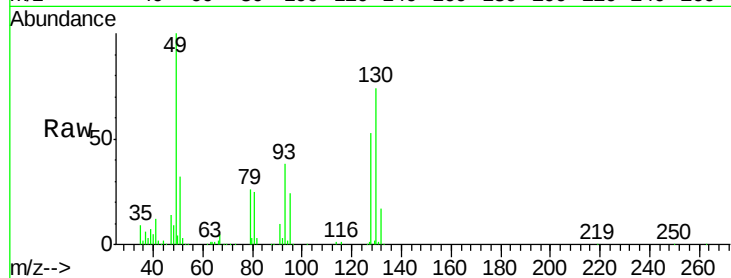
Tot Ion: 49 Resp: 51624

Ion Ratio Lower Upper

49 100

129 2.0 0.0 2.8

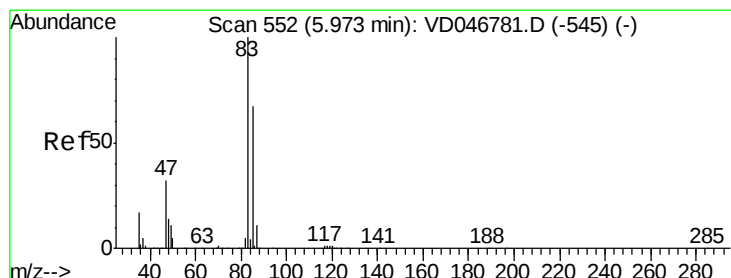
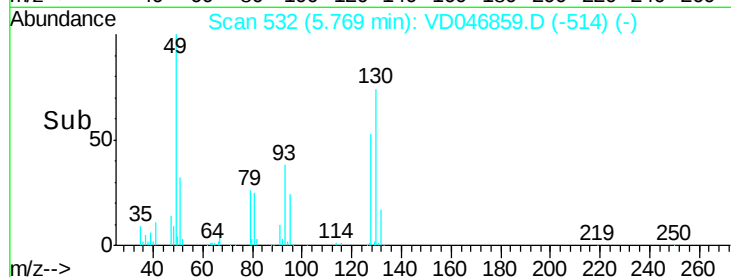
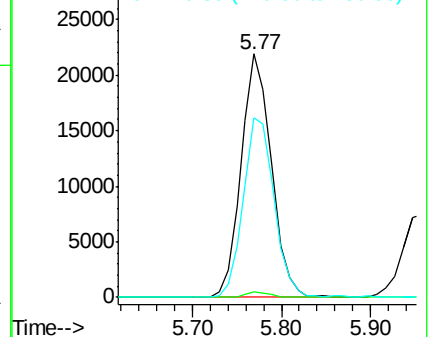
130 73.9 50.2 75.4



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: 54.37 ug/l

RT: 5.96 min Scan# 551

Delta R.T. -0.02 min

Lab File: VD046859.D

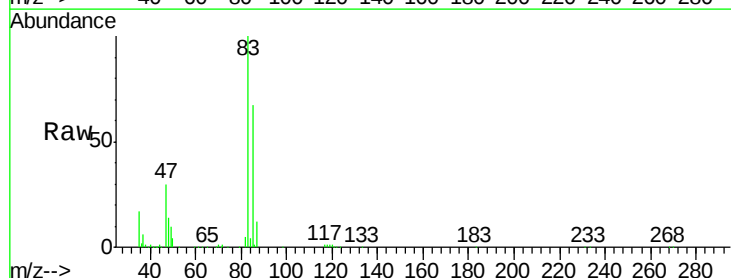
Acq: 23 Sep 2015 17:46

Tgt Ion: 83 Resp: 178233

Ion Ratio Lower Upper

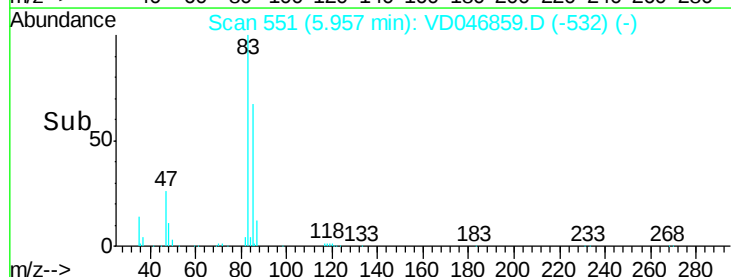
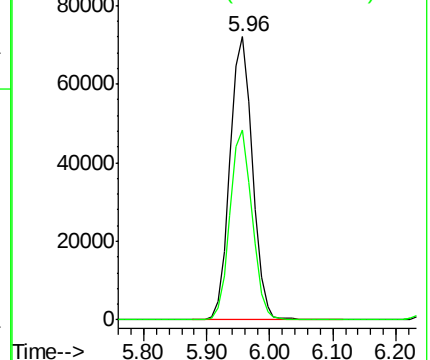
83 100

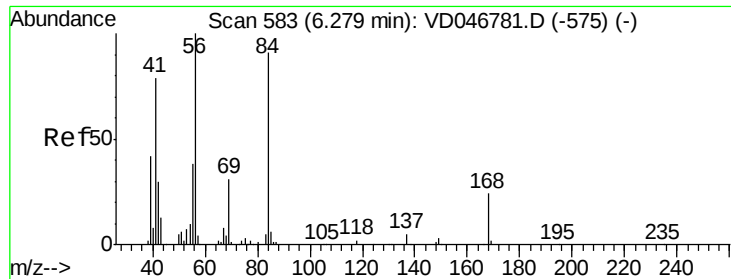
85 67.0 52.5 78.7



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

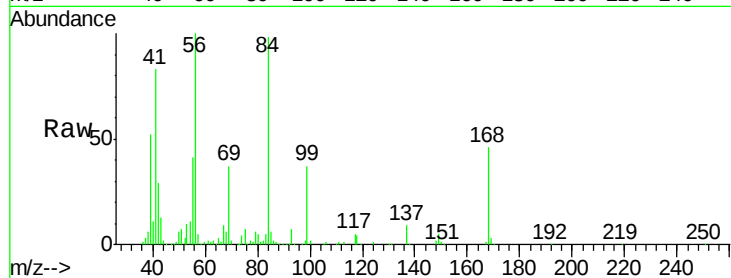




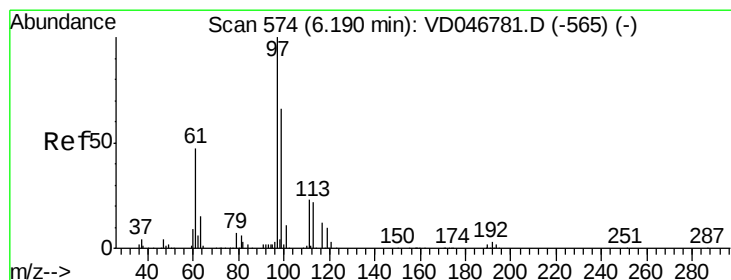
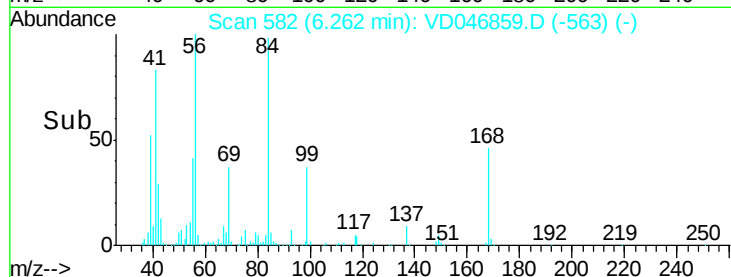
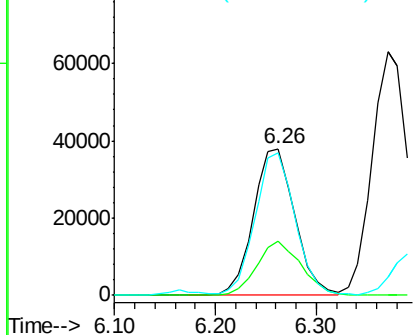
#31
Cyclohexane
Concen: 42.64 ug/l
RT: 6.26 min Scan# 582
Delta R.T. -0.02 min
Lab File: VD046859.D
Acq: 23 Sep 2015 17:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 56 Resp: 108113
Ion Ratio Lower Upper
56 100
69 36.7 23.4 35.0#
84 97.5 63.8 95.8#

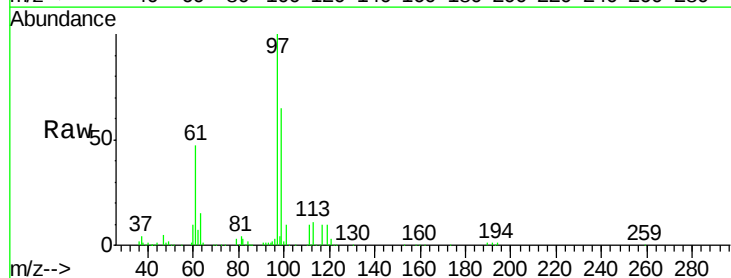


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

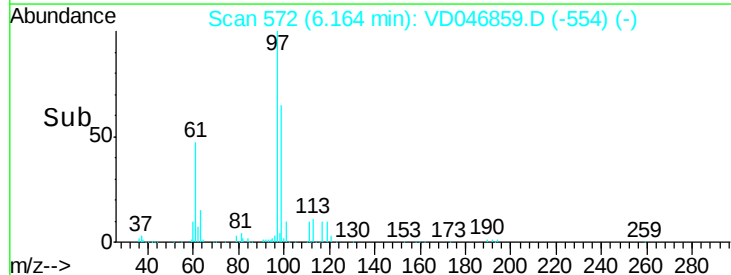
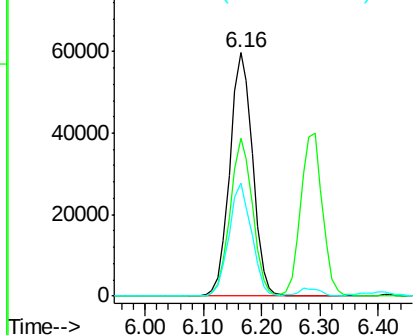


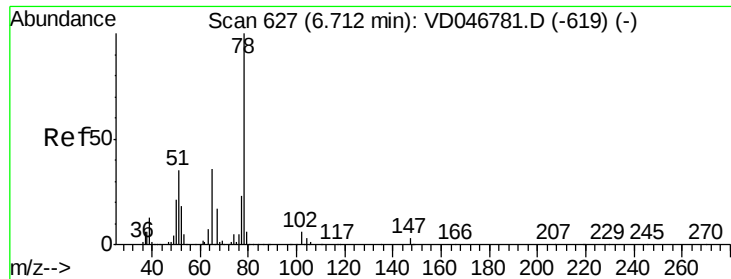
#32
1,1,1-Trichloroethane
Concen: 55.72 ug/l
RT: 6.16 min Scan# 572
Delta R.T. -0.03 min
Lab File: VD046859.D
Acq: 23 Sep 2015 17:46

Tgt Ion: 97 Resp: 162635
Ion Ratio Lower Upper
97 100
99 64.8 50.2 75.4
61 46.5 38.6 57.8



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

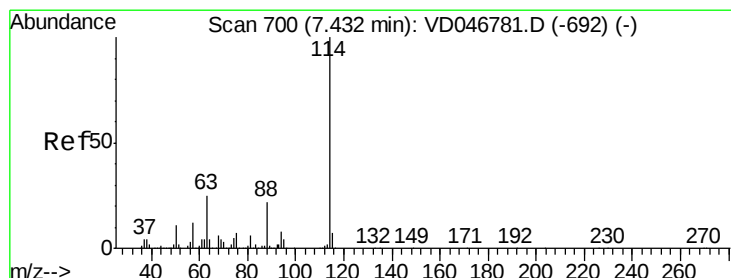
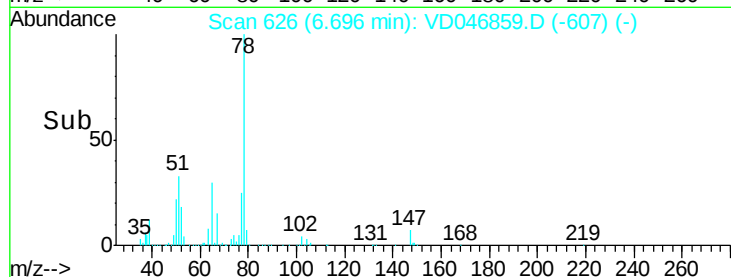
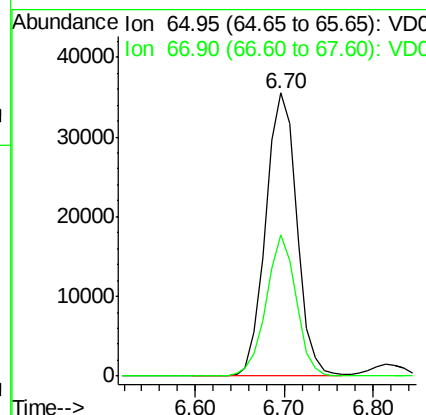
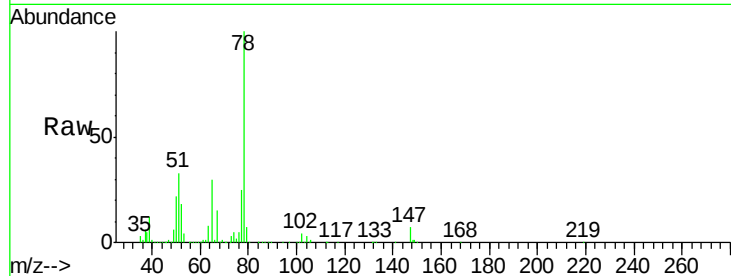




#33
 1,2-Dichloroethane-d4
 Concen: 55.72 ug/l
 RT: 6.70 min Scan# 626
 Delta R.T. -0.02 min
 Lab File: VD046859.D
 Acq: 23 Sep 2015 17:46

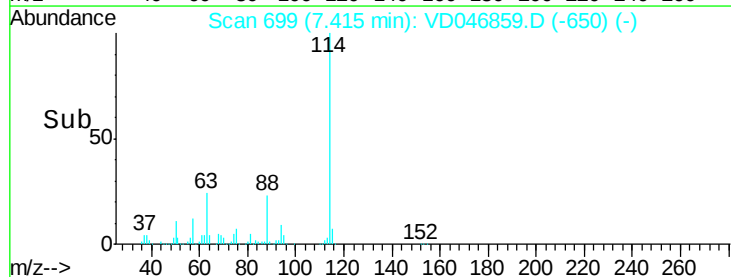
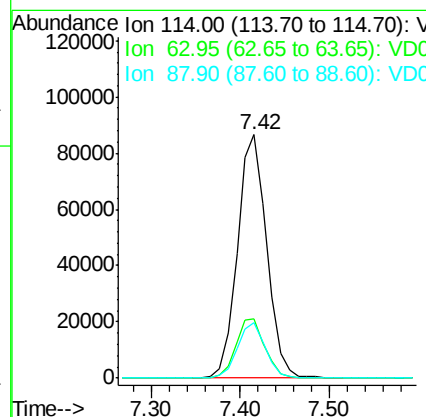
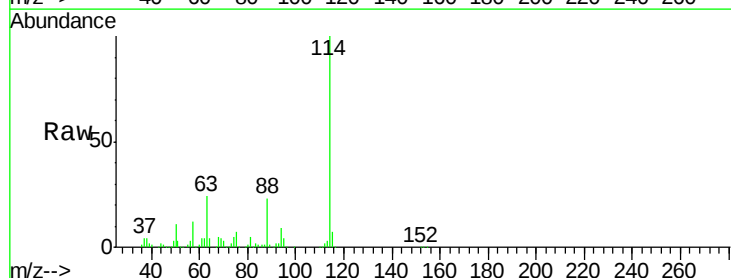
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

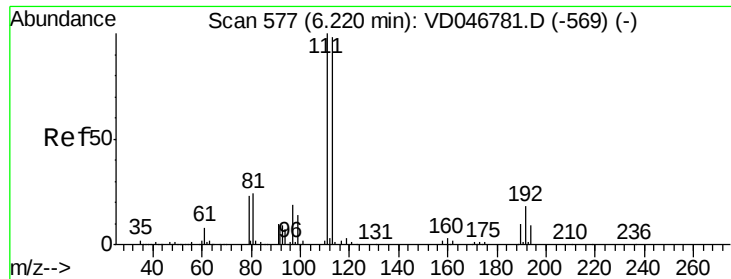
Tot Ion: 65 Resp: 85800
 Ion Ratio Lower Upper
 65 100
 67 50.0 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 7.42 min Scan# 699
 Delta R.T. -0.02 min
 Lab File: VD046859.D
 Acq: 23 Sep 2015 17:46

Tgt Ion: 114 Resp: 197956
 Ion Ratio Lower Upper
 114 100
 63 24.5 0.0 49.8
 88 22.5 0.0 43.6

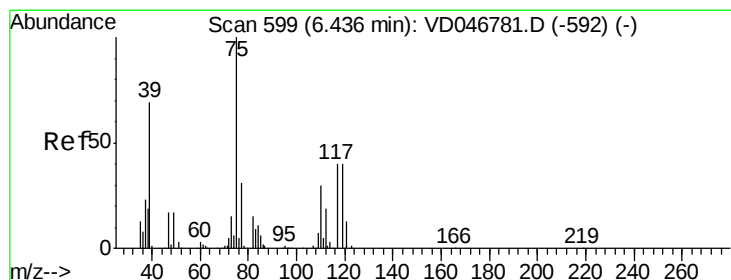
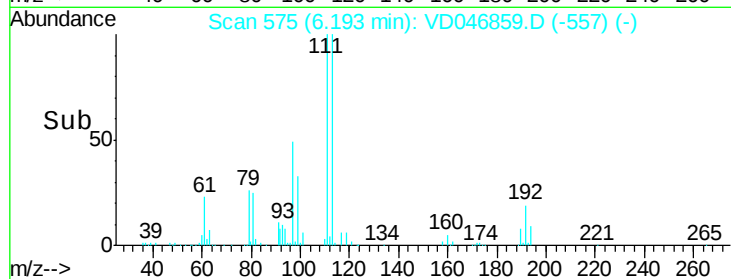
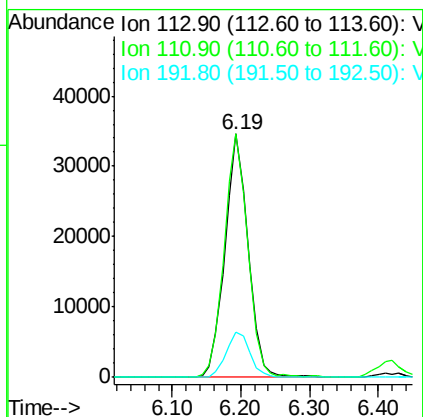
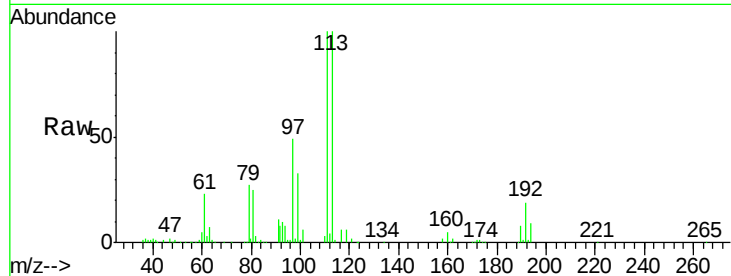




#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 6.19 min Scan# 575
 Delta R.T. -0.03 min
 Lab File: VD046859.D
 Acq: 23 Sep 2015 17:46

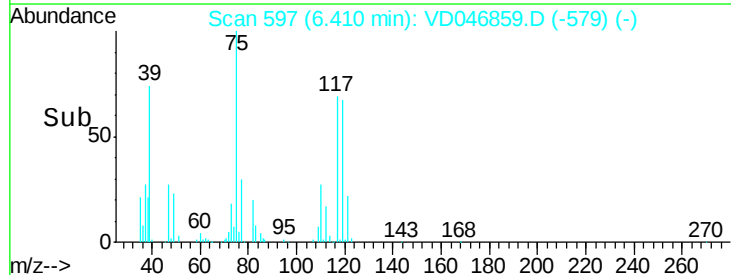
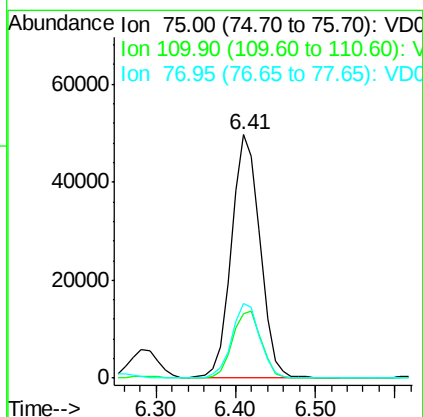
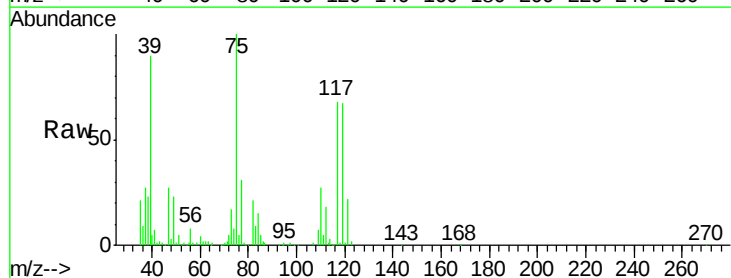
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

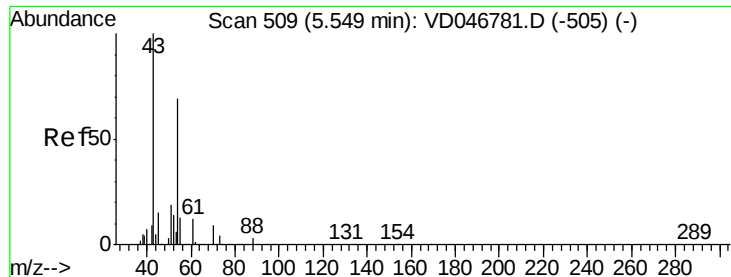
Tot Ion:113 Resp: 80954
 Ion Ratio Lower Upper
 113 100
 111 100.0 79.4 119.0
 192 18.8 14.6 22.0



#36
 1,1-Dichloropropene
 Concen: 53.54 ug/l
 RT: 6.41 min Scan# 597
 Delta R.T. -0.03 min
 Lab File: VD046859.D
 Acq: 23 Sep 2015 17:46

Tgt Ion: 75 Resp: 123862
 Ion Ratio Lower Upper
 75 100
 110 26.5 13.7 41.0
 77 30.6 24.7 37.1

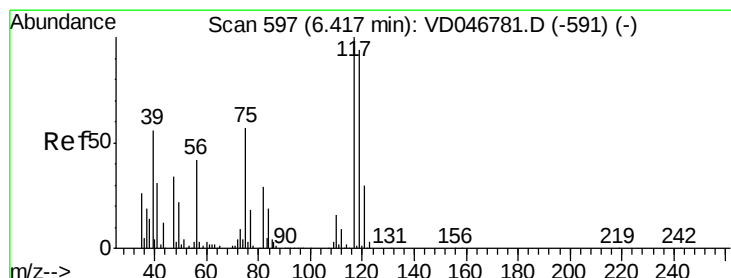
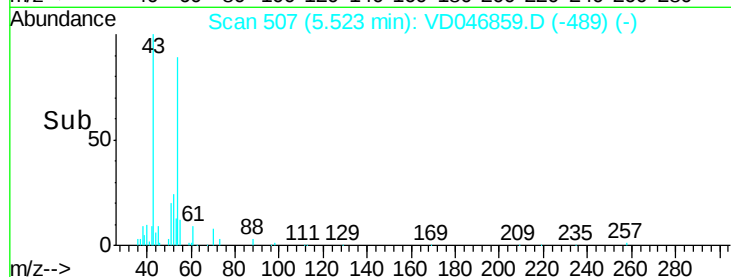
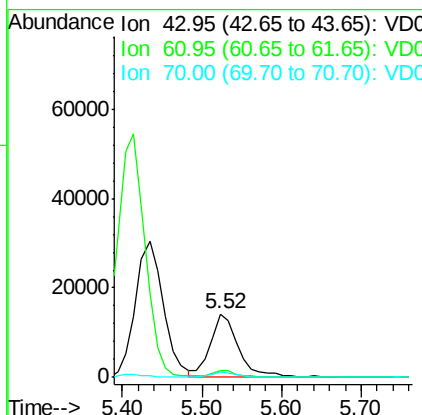
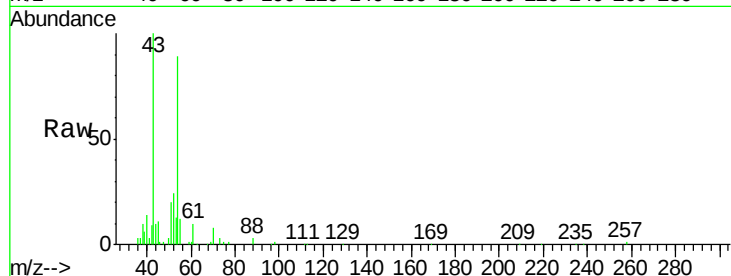




#37
Ethyl Acetate
Concen: 46.69 ug/l
RT: 5.52 min Scan# 507
Delta R.T. -0.03 min
Lab File: VD046859.D
Acq: 23 Sep 2015 17:46

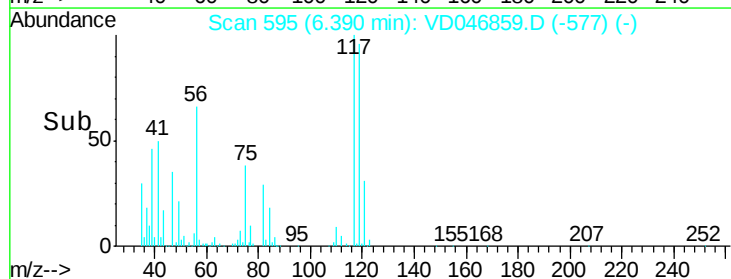
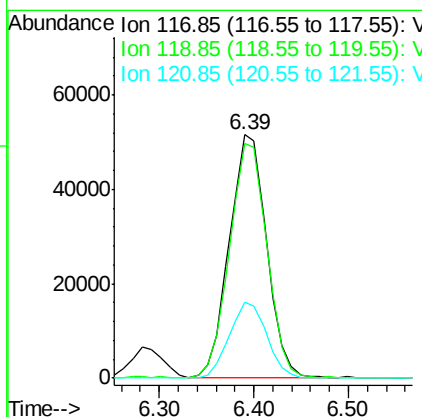
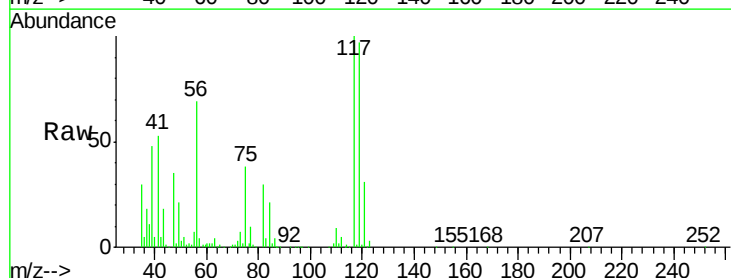
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

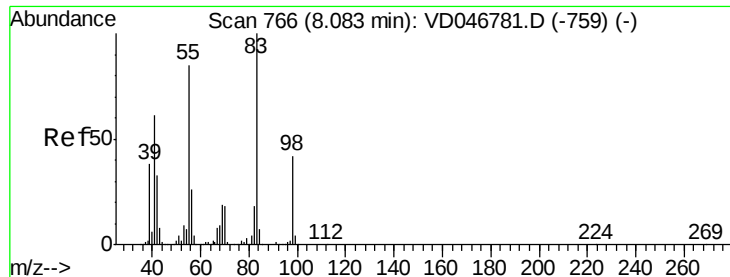
Tot Ion: 43 Resp: 34699
Ion Ratio Lower Upper
43 100
61 9.8 9.4 14.2
70 8.1 6.0 9.0



#38
Carbon Tetrachloride
Concen: 58.34 ug/l
RT: 6.39 min Scan# 595
Delta R.T. -0.03 min
Lab File: VD046859.D
Acq: 23 Sep 2015 17:46

Tgt Ion: 117 Resp: 140241
Ion Ratio Lower Upper
117 100
119 96.6 76.2 114.4
121 31.3 24.5 36.7

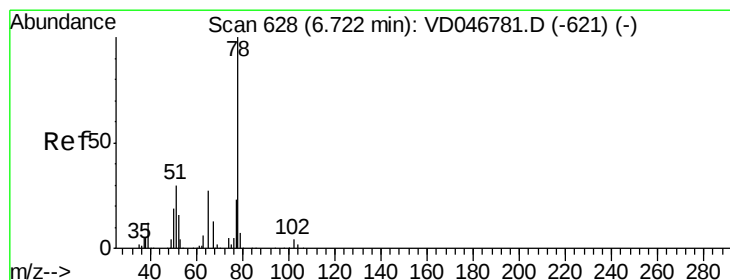
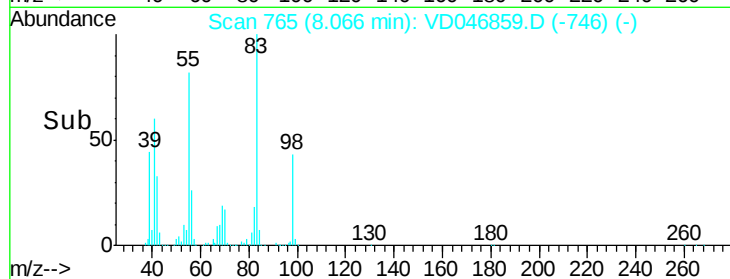
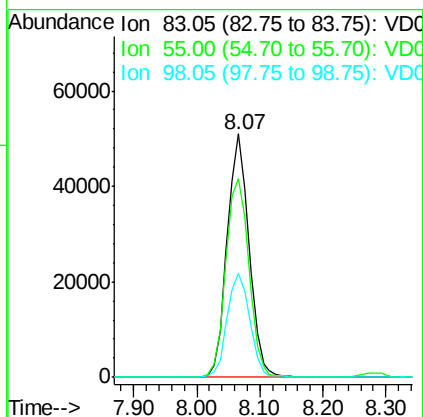
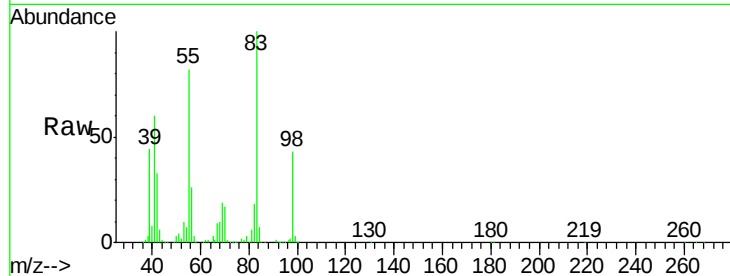




#39
Methvlcvclohexane
Concen: 52.36 ug/l
RT: 8.07 min Scan# 765
Delta R.T. -0.02 min
Lab File: VD046859.D
Acq: 23 Sep 2015 17:46

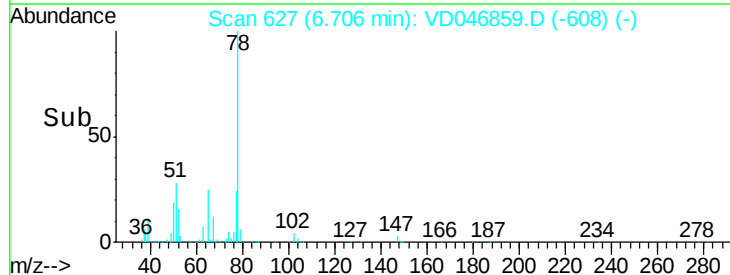
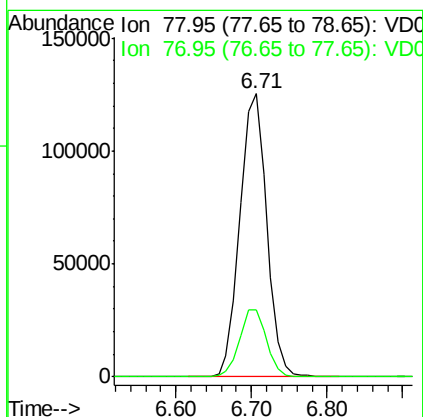
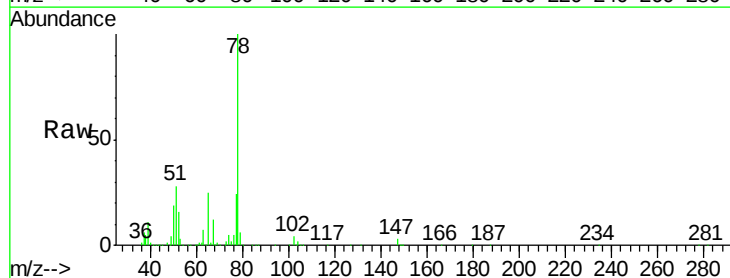
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

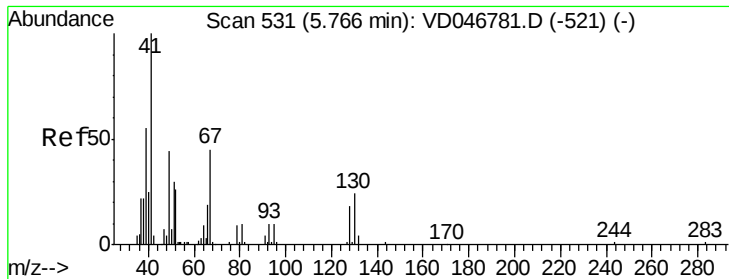
Tot Ion: 83 Resp: 122731
Ion Ratio Lower Upper
83 100
55 81.5 71.1 106.7
98 42.6 34.6 51.8



#40
Benzene
Concen: 52.41 ug/l
RT: 6.71 min Scan# 627
Delta R.T. -0.02 min
Lab File: VD046859.D
Acq: 23 Sep 2015 17:46

Tgt Ion: 78 Resp: 309541
Ion Ratio Lower Upper
78 100
77 23.7 19.9 29.9





#41

Methacrylonitrile

Concen: 53.10 ug/l

RT: 5.74 min Scan# 529

Delta R.T. -0.03 min

Lab File: VD046859.D

Acq: 23 Sep 2015 17:46

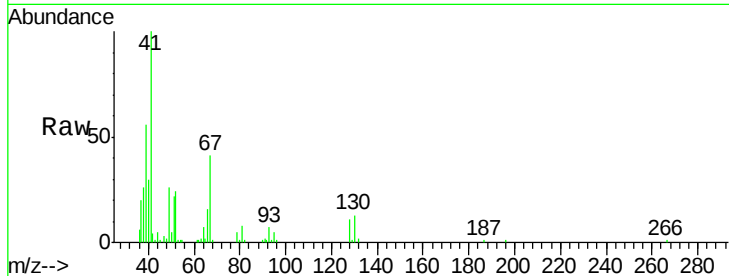
Instrument :

MSVOA_D

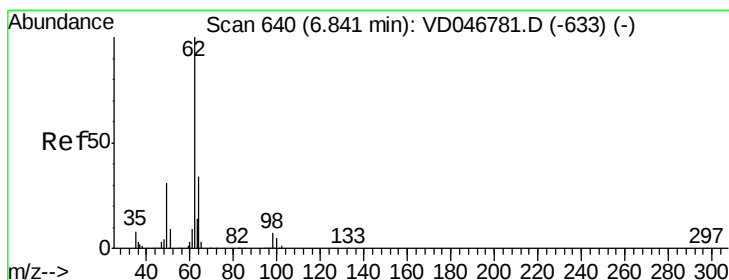
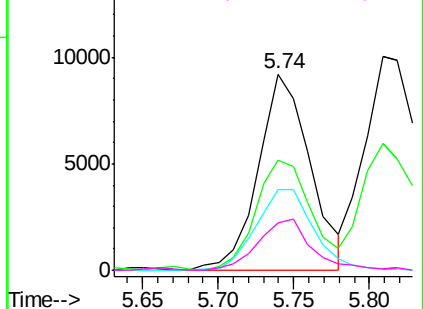
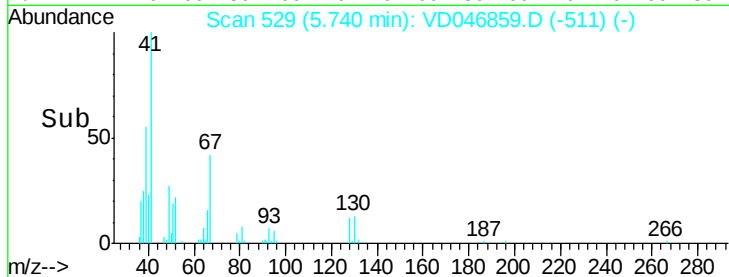
ClientSampleId :

VSTDCCC050EC

Tot Ion:	41	Resp:	22130
Ion	Ratio	Lower	Upper
41	100		
39	55.9	40.2	60.4
67	41.2	32.0	48.0
52	24.4	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: 61.13 ug/l

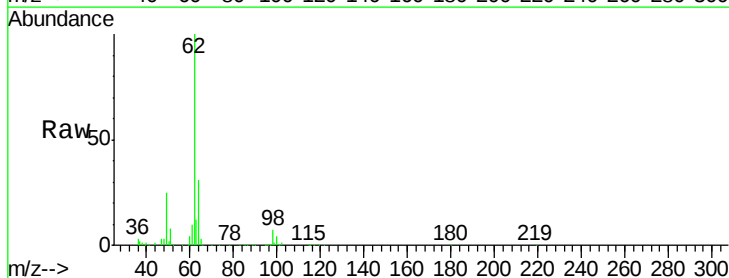
RT: 6.81 min Scan# 638

Delta R.T. -0.03 min

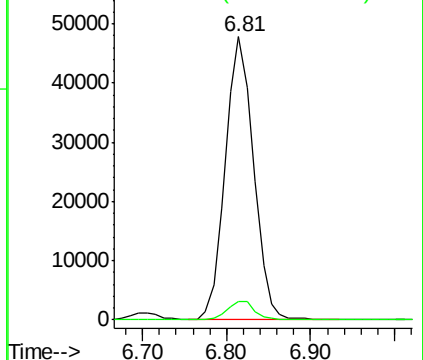
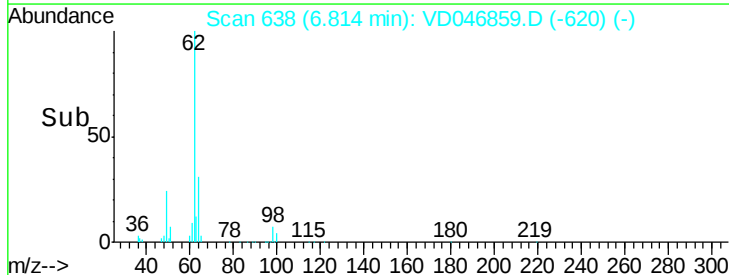
Lab File: VD046859.D

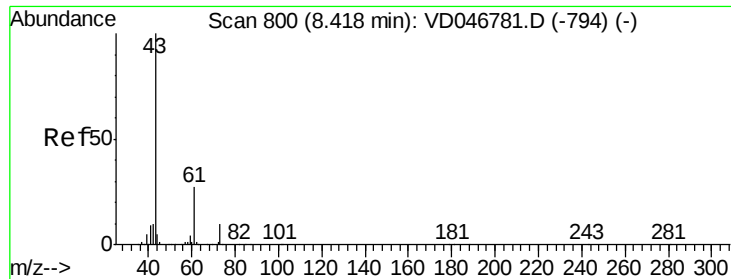
Acq: 23 Sep 2015 17:46

Tgt Ion:	62	Resp:	112127
Ion	Ratio	Lower	Upper
62	100		
98	6.7	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: 51.45 ug/l

RT: 8.39 min Scan# 798

Delta R.T. -0.03 min

Lab File: VD046859.D

Acq: 23 Sep 2015 17:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

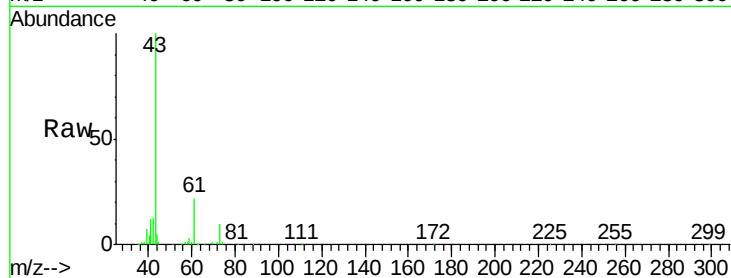
Tot Ion: 43 Resp: 50400

Ion Ratio Lower Upper

43 100

61 21.6 19.5 29.3

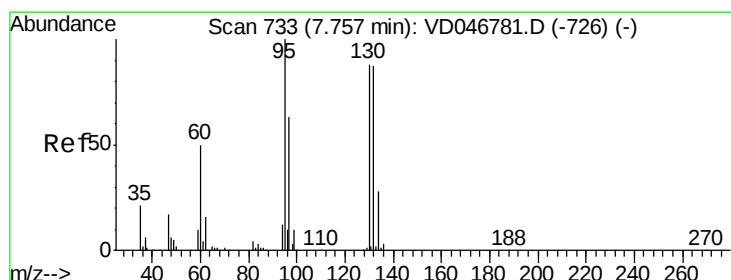
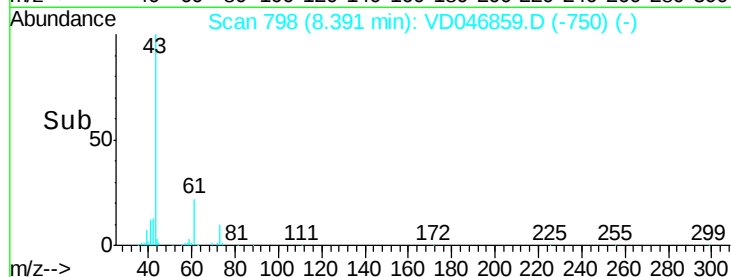
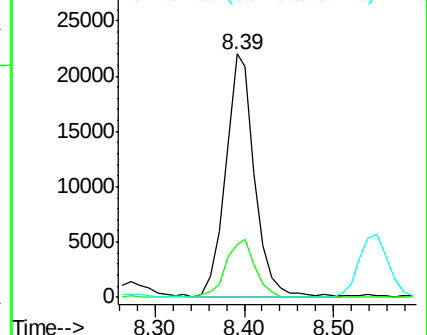
87 0.0 0.2 0.2#



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: 55.43 ug/l

RT: 7.73 min Scan# 731

Delta R.T. -0.03 min

Lab File: VD046859.D

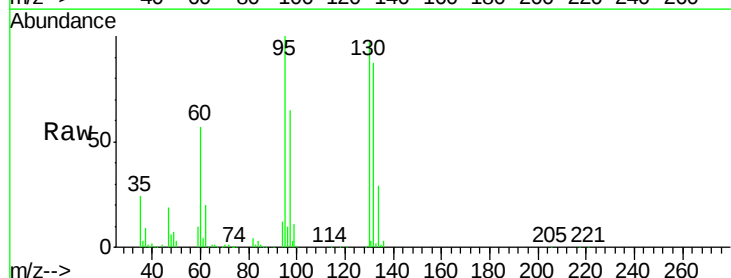
Acq: 23 Sep 2015 17:46

Tgt Ion:130 Resp: 81947

Ion Ratio Lower Upper

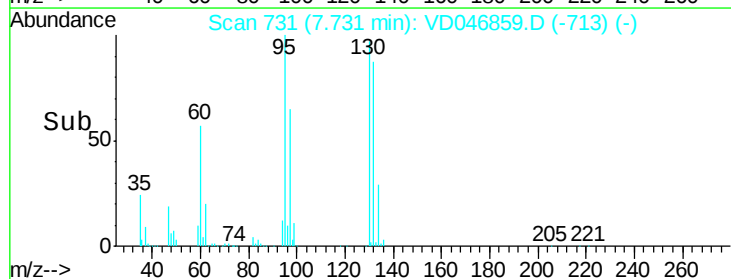
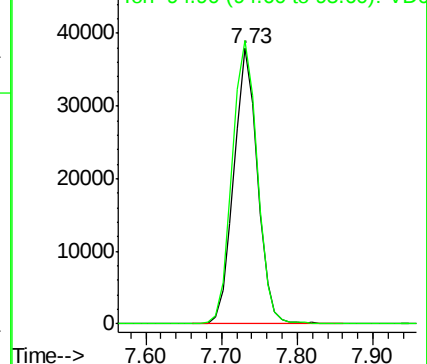
130 100

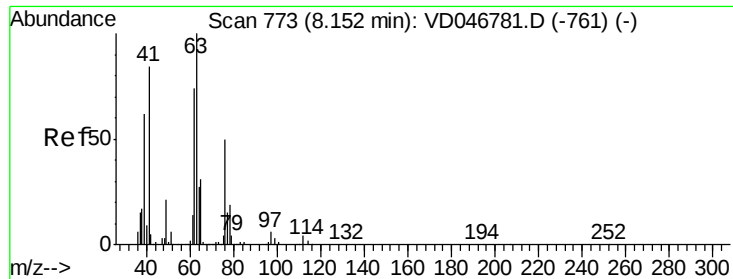
95 102.9 0.0 229.4



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 51.94 ug/l

RT: 8.13 min Scan# 771

Delta R.T. -0.03 min

Lab File: VD046859.D

Acq: 23 Sep 2015 17:46

Instrument :

MSVOA_D

ClientSampleId :

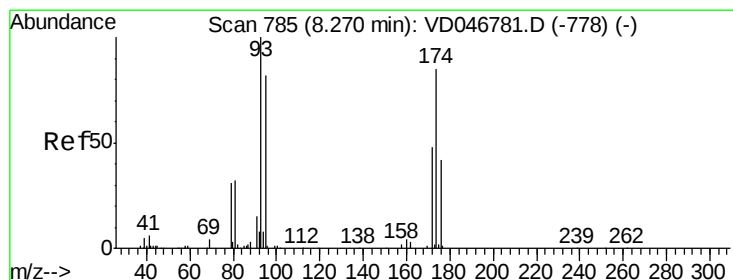
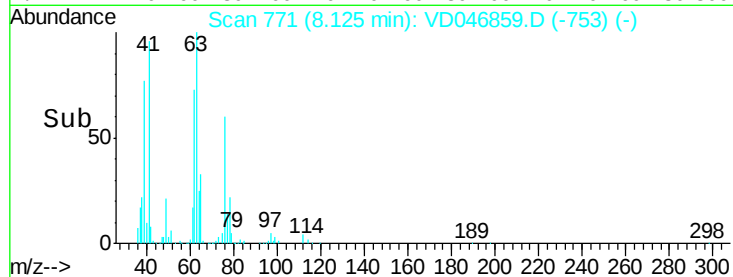
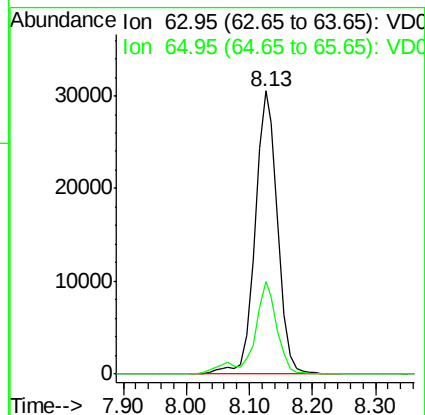
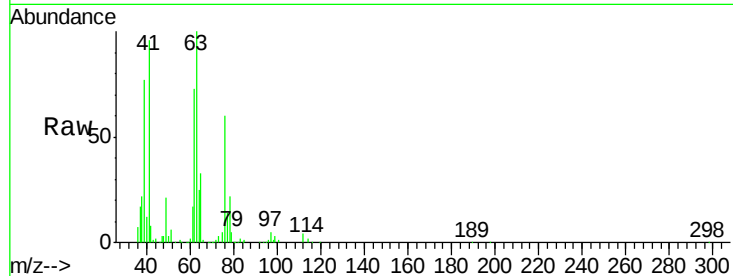
VSTDCCC050EC

Tot Ion: 63 Resp: 75999

Ion Ratio Lower Upper

63 100

65 32.9 25.1 37.7



#46

Dibromomethane

Concen: 56.92 ug/l

RT: 8.25 min Scan# 784

Delta R.T. -0.02 min

Lab File: VD046859.D

Acq: 23 Sep 2015 17:46

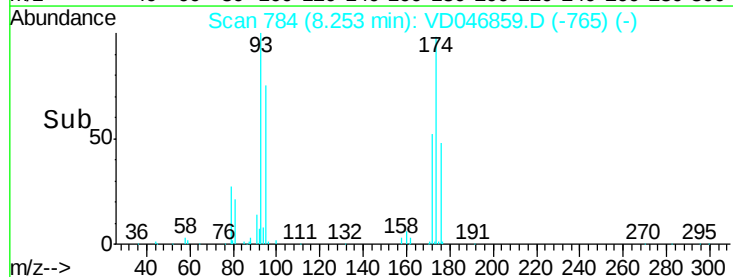
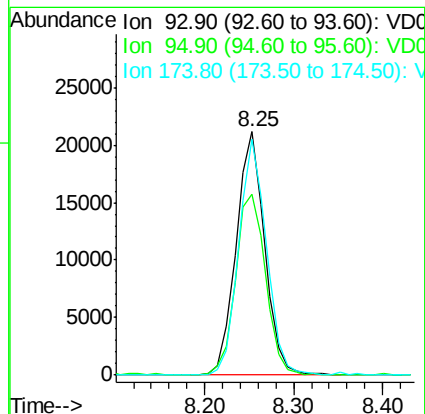
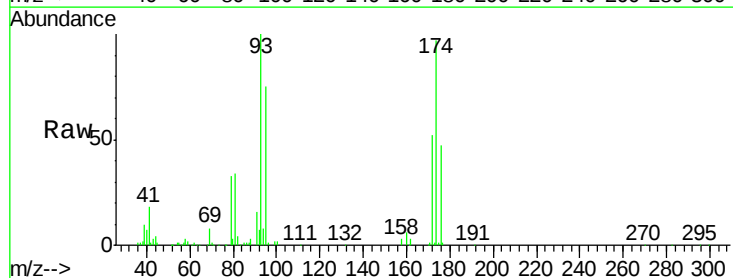
Tgt Ion: 93 Resp: 47291

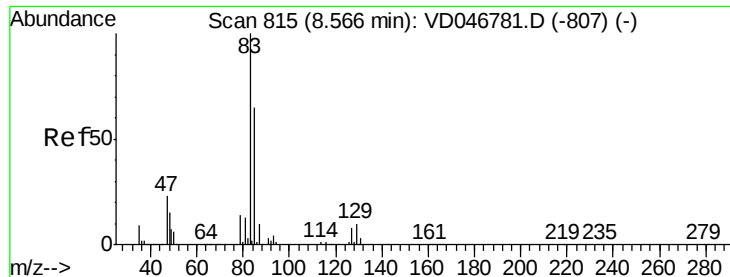
Ion Ratio Lower Upper

93 100

95 74.6 70.2 105.2

174 97.1 79.0 118.4





#47

Bromodichloromethane

Concen: 58.84 ug/l

RT: 8.55 min Scan# 814

Delta R.T. -0.02 min

Lab File: VD046859.D

Acq: 23 Sep 2015 17:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

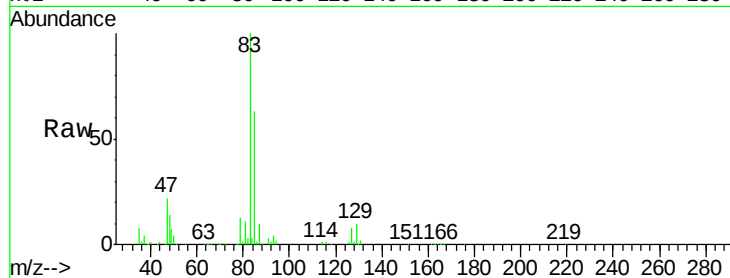
Tot Ion: 83 Resp: 128305

Ion Ratio Lower Upper

83 100

85 63.0 52.6 78.8

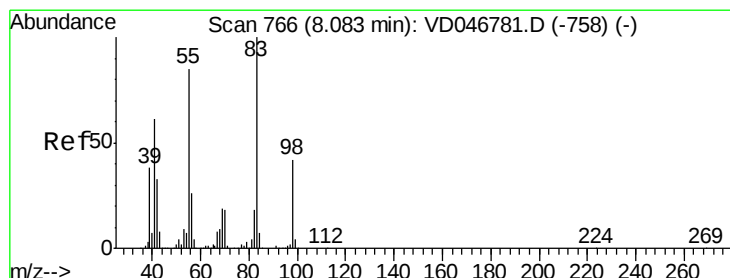
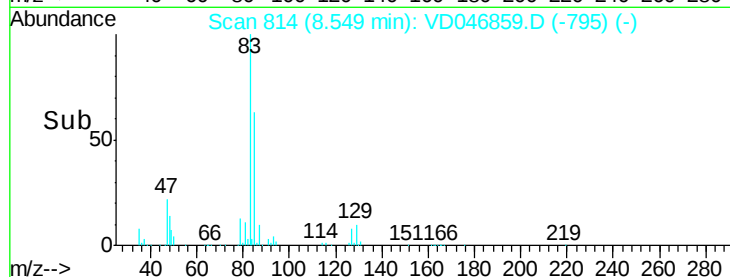
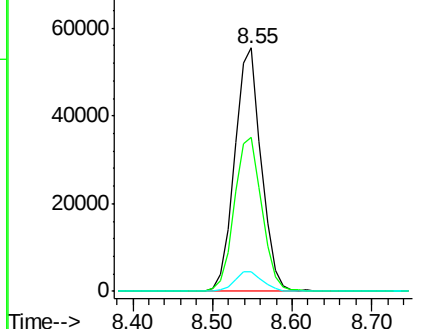
127 8.2 5.7 8.5



Abundance Ion 82.85 (82.55 to 83.55): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 51.59 ug/l

RT: 8.07 min Scan# 765

Delta R.T. -0.02 min

Lab File: VD046859.D

Acq: 23 Sep 2015 17:46

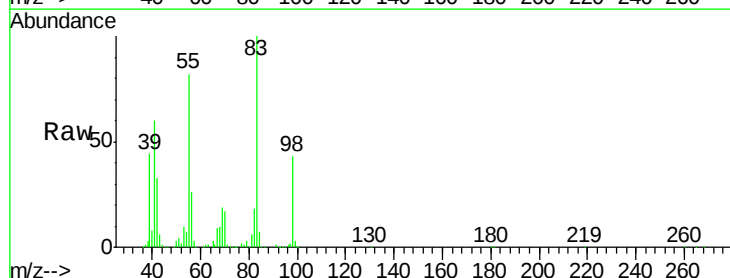
Tgt Ion: 41 Resp: 77266

Ion Ratio Lower Upper

41 100

69 31.6 25.3 37.9

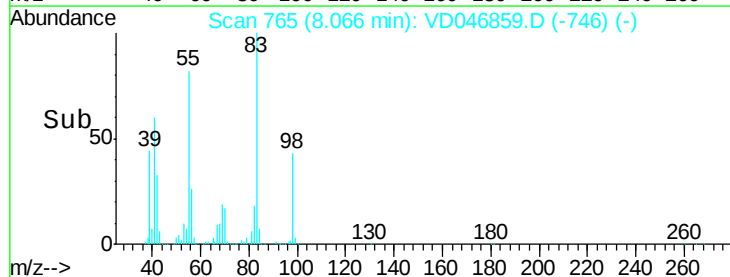
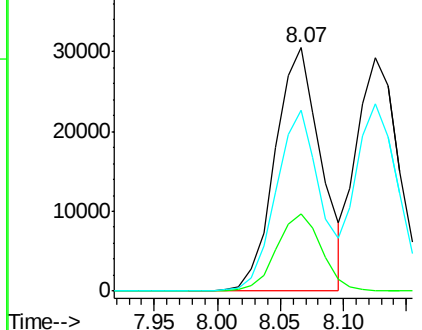
39 74.3 47.4 71.0#

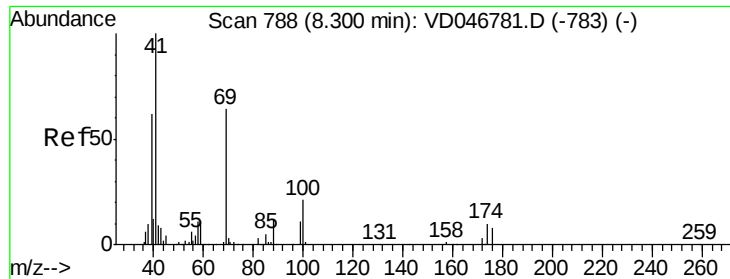


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC

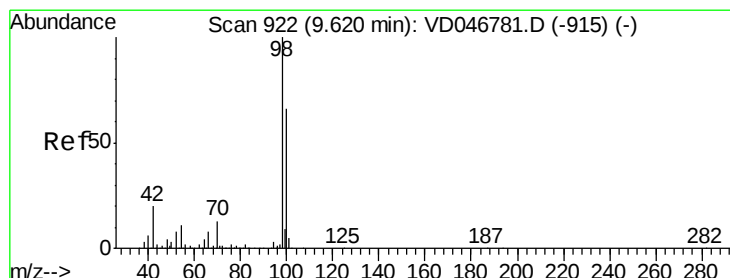
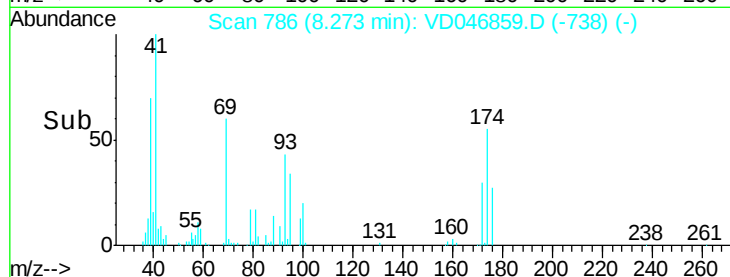
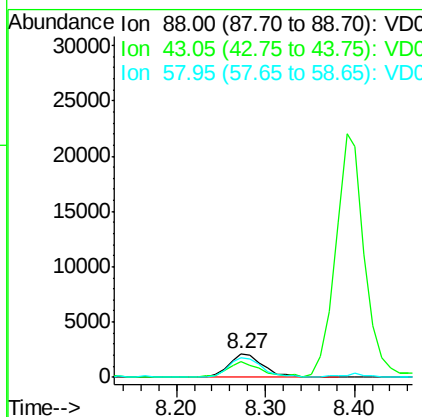
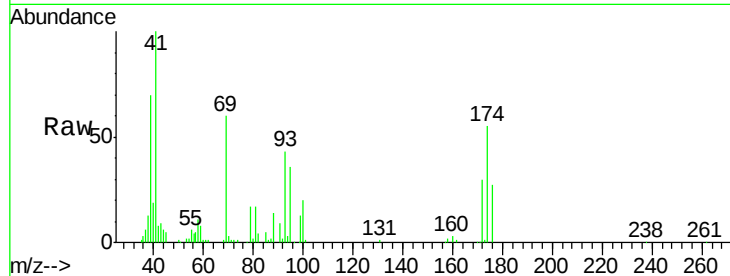




#49
1,4-Dioxane
Concen: 1033.92 ug/l
RT: 8.27 min Scan# 786
Delta R.T. -0.03 min
Lab File: VD046859.D
Acq: 23 Sep 2015 17:46

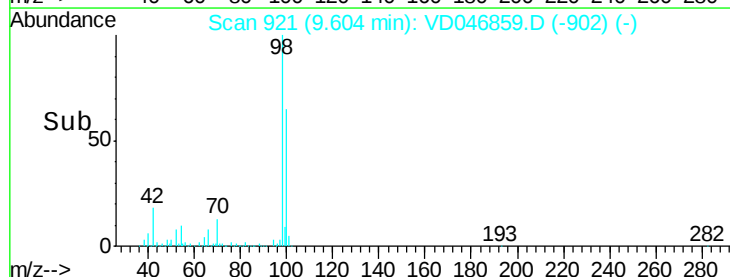
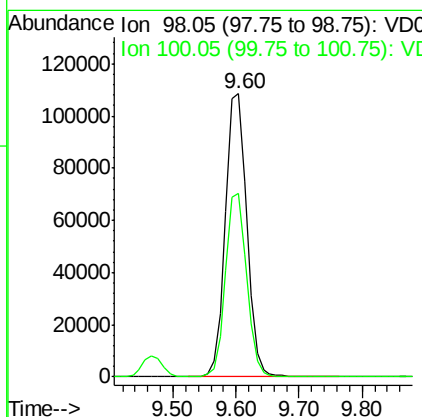
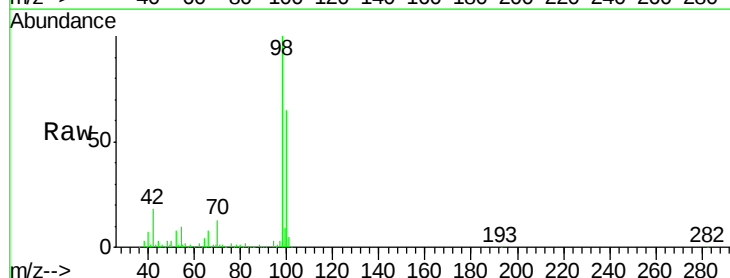
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

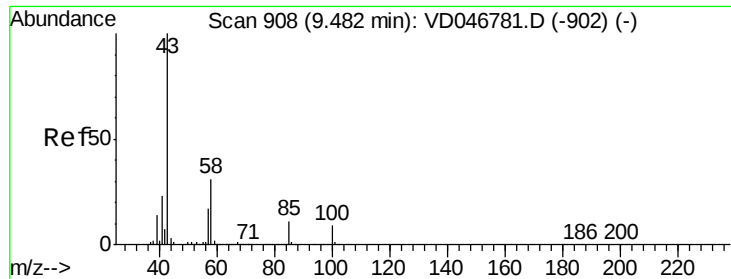
Tot Ion: 88 Resp: 5728
Ion Ratio Lower Upper
88 100
43 67.2 50.0 75.0
58 81.2 48.3 72.5#



#50
Toluene-d8
Concen: 1033.92 ug/l
RT: 9.60 min Scan# 921
Delta R.T. -0.02 min
Lab File: VD046859.D
Acq: 23 Sep 2015 17:46

Tgt Ion: 98 Resp: 255023
Ion Ratio Lower Upper
98 100
100 64.7 49.9 74.9





#51

4-Methyl-2-Pentanone

Concen: 269.39 ug/l

RT: 9.47 min Scan# 907

Delta R.T. -0.02 min

Lab File: VD046859.D

Acq: 23 Sep 2015 17:46

Instrument :

MSVOA_D

ClientSampleId :

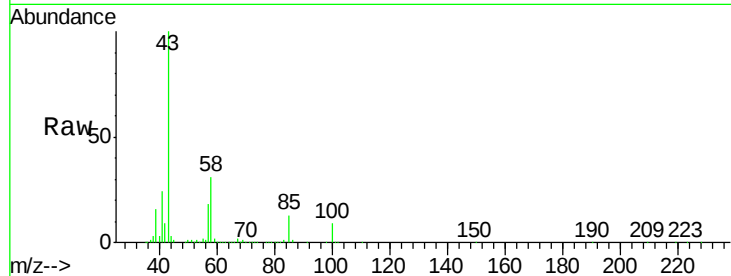
VSTDCCC050EC

Tot Ion: 43 Resp: 190678

Ion Ratio Lower Upper

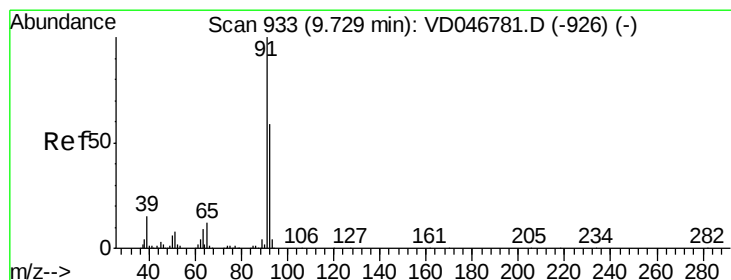
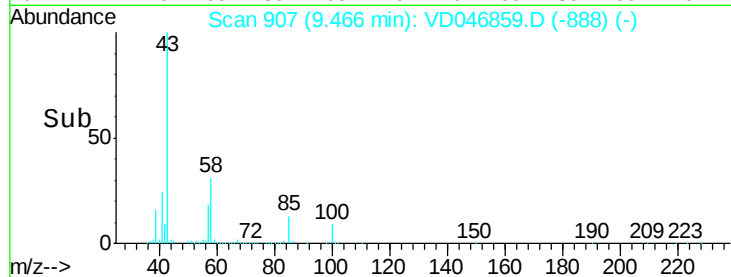
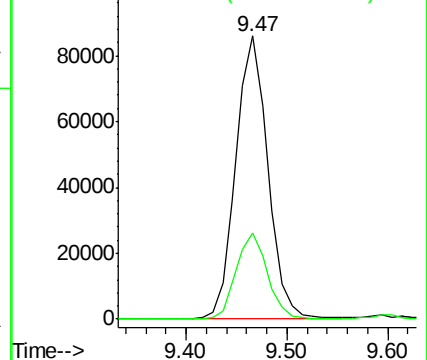
43 100

58 30.5 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: 56.63 ug/l

RT: 9.70 min Scan# 931

Delta R.T. -0.03 min

Lab File: VD046859.D

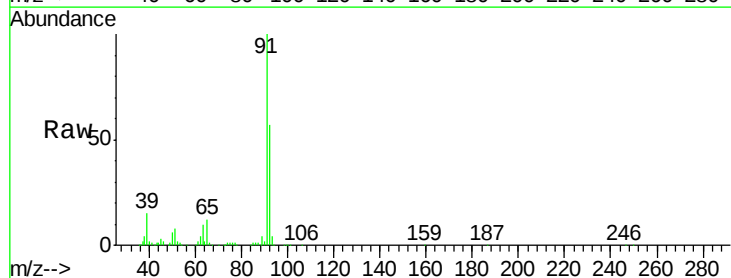
Acq: 23 Sep 2015 17:46

Tgt Ion: 92 Resp: 206279

Ion Ratio Lower Upper

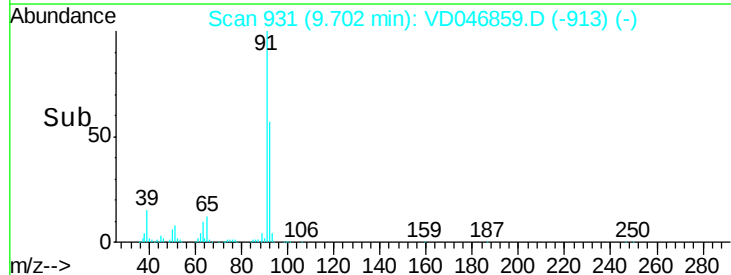
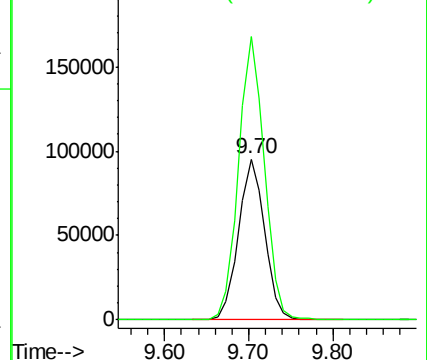
92 100

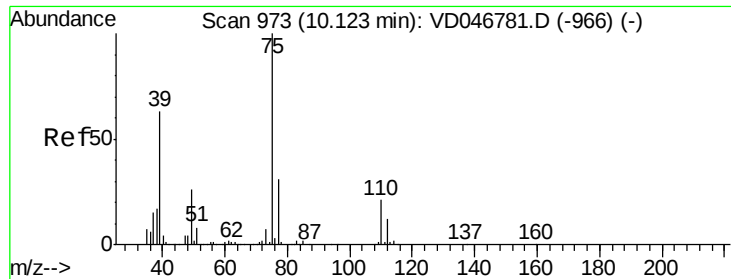
91 176.0 139.4 209.0



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

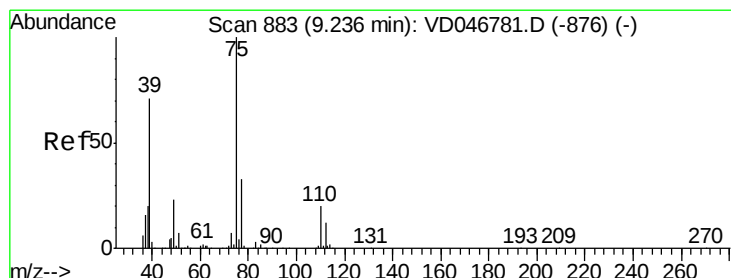
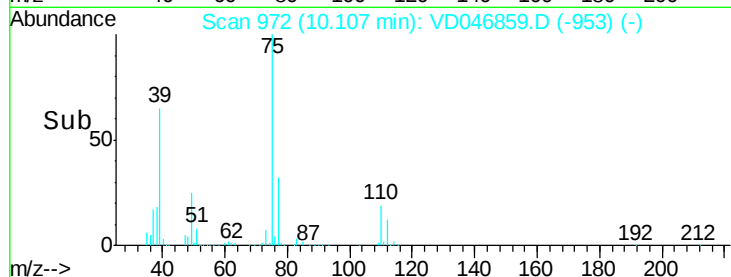
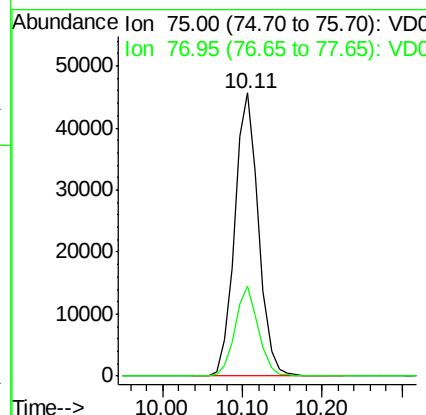
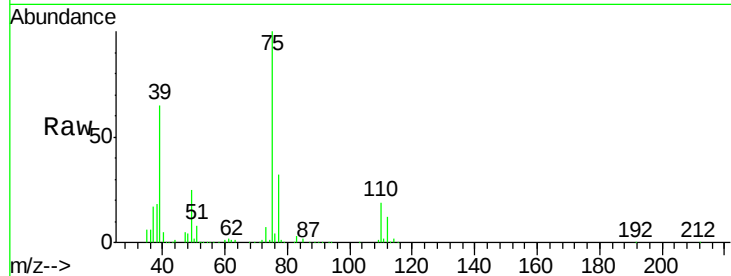




#53
 t-1,3-Dichloropropene
 Concen: 59.38 ug/l
 RT: 10.11 min Scan# 972
 Delta R.T. -0.02 min
 Lab File: VD046859.D
 Acq: 23 Sep 2015 17:46

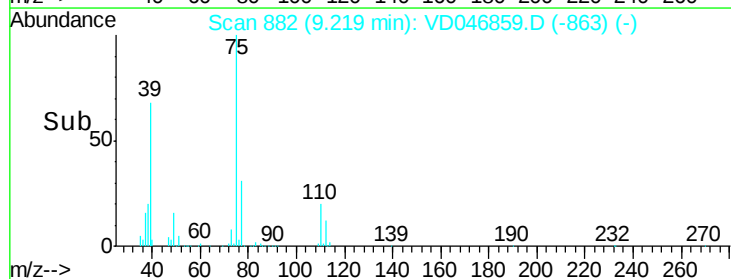
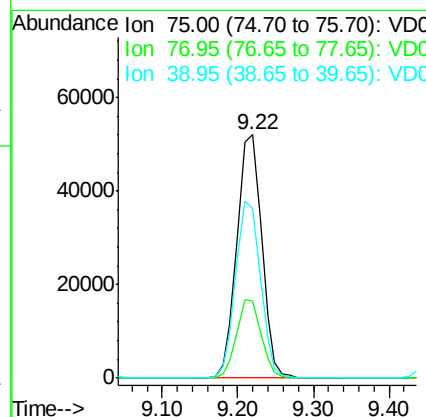
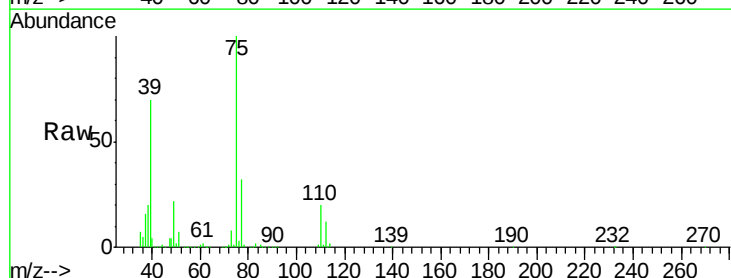
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

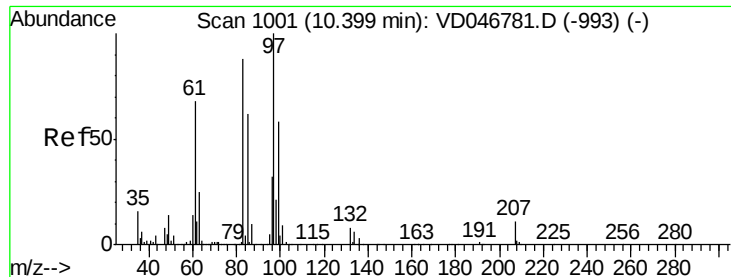
Tot Ion: 75 Resp: 95600
 Ion Ratio Lower Upper
 75 100
 77 31.8 27.6 41.4



#54
 cis-1,3-Dichloropropene
 Concen: 57.18 ug/l
 RT: 9.22 min Scan# 882
 Delta R.T. -0.02 min
 Lab File: VD046859.D
 Acq: 23 Sep 2015 17:46

Tgt Ion: 75 Resp: 118545
 Ion Ratio Lower Upper
 75 100
 77 31.5 23.8 35.6
 39 69.7 53.0 79.6

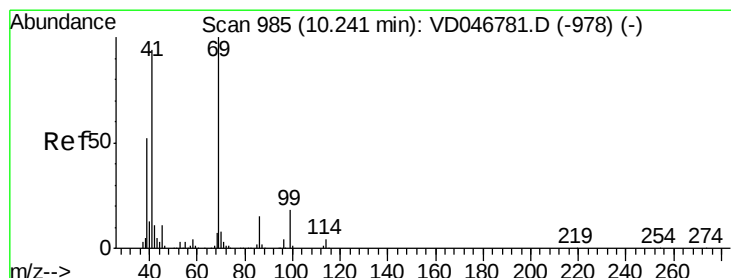
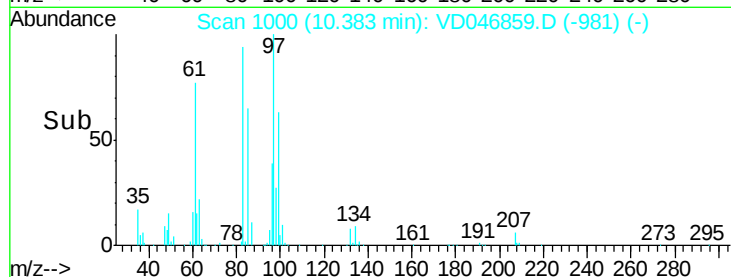
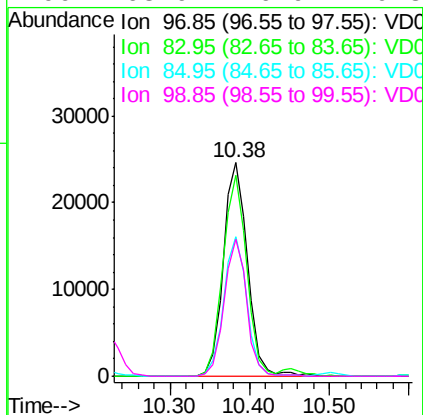
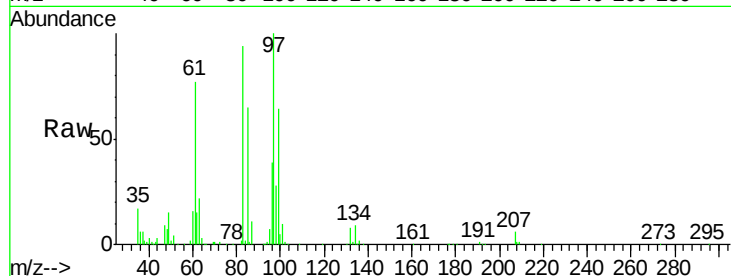




#55
 1,1,2-Trichloroethane
 Concen: 56.15 ug/l
 RT: 10.38 min Scan# 1000
 Delta R.T. -0.02 min
 Lab File: VD046859.D
 Acq: 23 Sep 2015 17:46

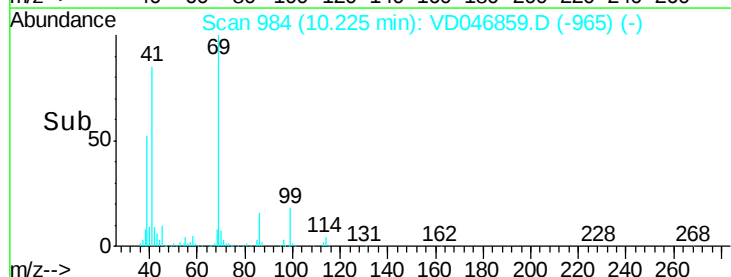
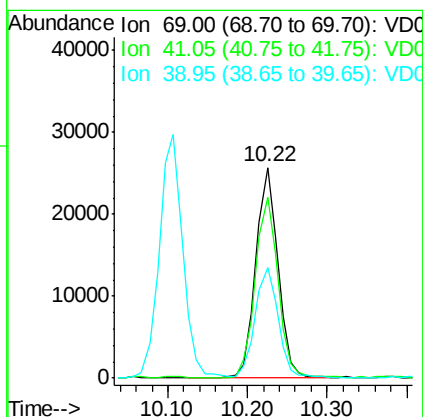
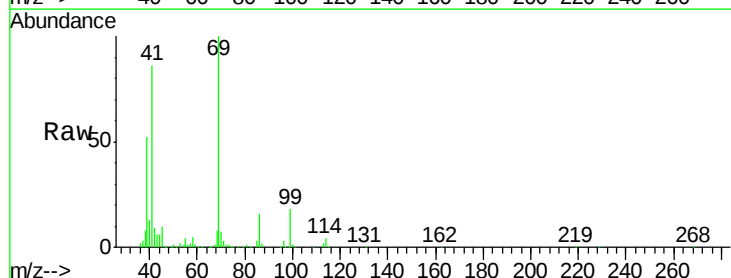
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

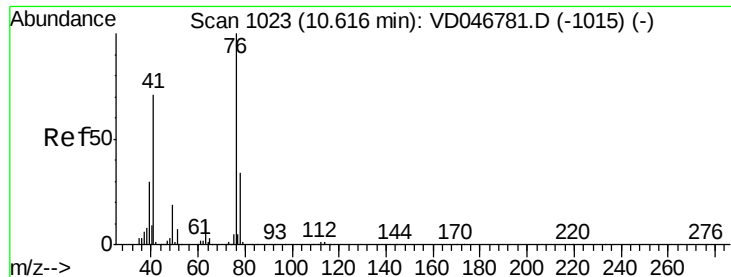
Tot Ion:	97	Resp:	52961
Ion	Ratio	Lower	Upper
97	100		
83	94.0	75.3	112.9
85	65.5	50.9	76.3
99	63.9	46.9	70.3



#56
 Ethyl methacrylate
 Concen: 50.21 ug/l
 RT: 10.22 min Scan# 984
 Delta R.T. -0.02 min
 Lab File: VD046859.D
 Acq: 23 Sep 2015 17:46

Tgt Ion:	69	Resp:	49148
Ion	Ratio	Lower	Upper
69	100		
41	85.9	75.4	113.0
39	52.4	41.0	61.4





#57

1,3-Dichloropropane

Concen: 56.05 ug/l

RT: 10.59 min Scan# 1021

Delta R.T. -0.03 min

Lab File: VD046859.D

Acq: 23 Sep 2015 17:46

Instrument :

MSVOA_D

ClientSampleId :

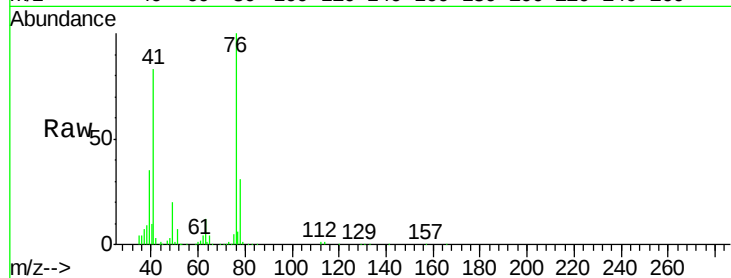
VSTDCCC050EC

Tot Ion: 76 Resp: 98319

Ion Ratio Lower Upper

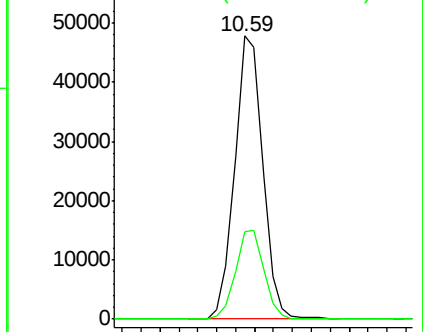
76 100

78 31.0 26.6 39.8

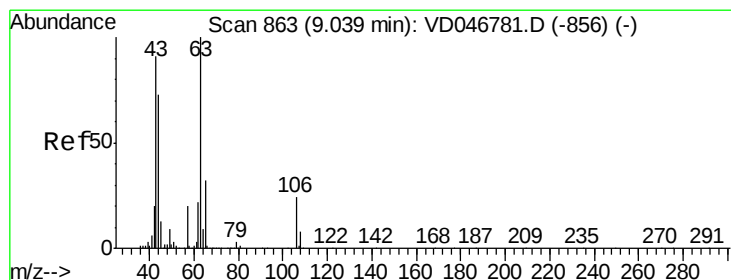
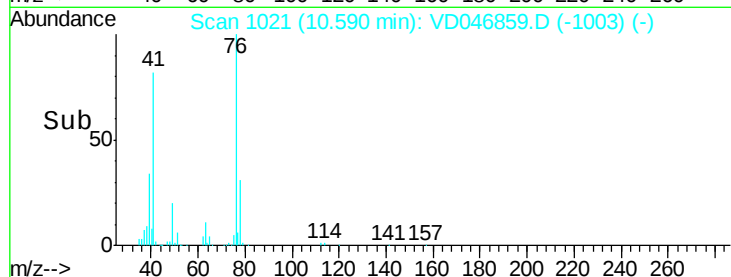


Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 270.27 ug/l

RT: 9.01 min Scan# 861

Delta R.T. -0.03 min

Lab File: VD046859.D

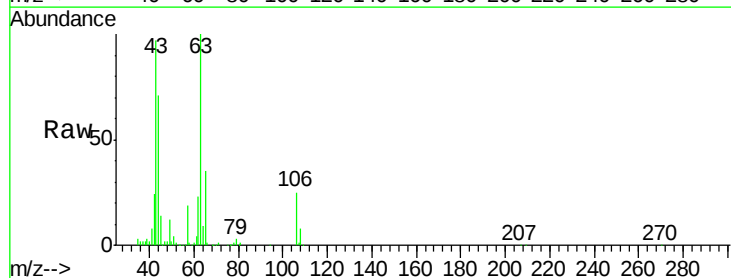
Acq: 23 Sep 2015 17:46

Tgt Ion: 63 Resp: 125940

Ion Ratio Lower Upper

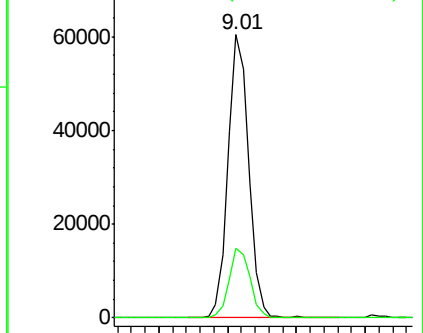
63 100

106 24.8 17.8 26.8

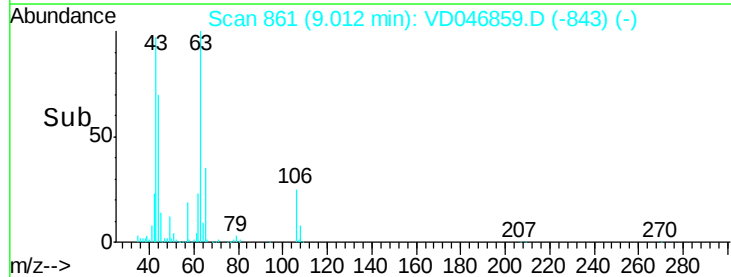


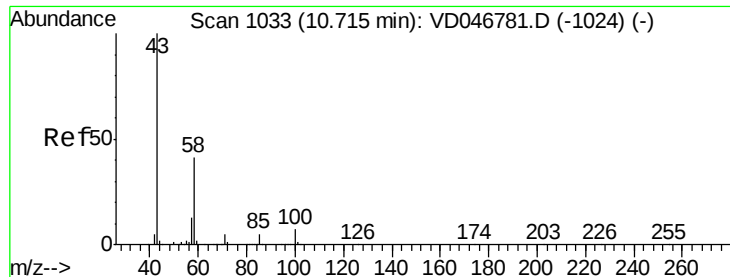
Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V



Time-->

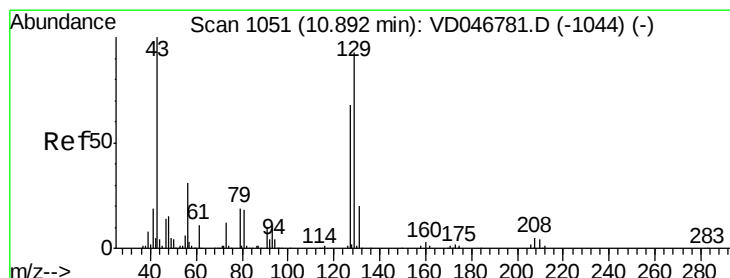
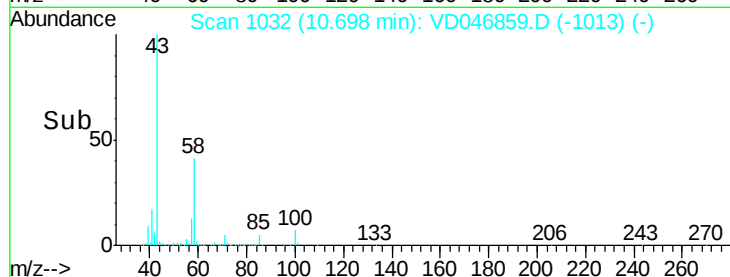
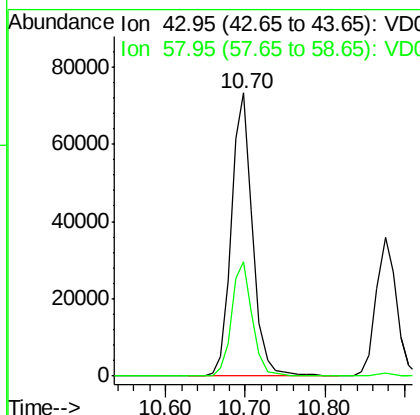
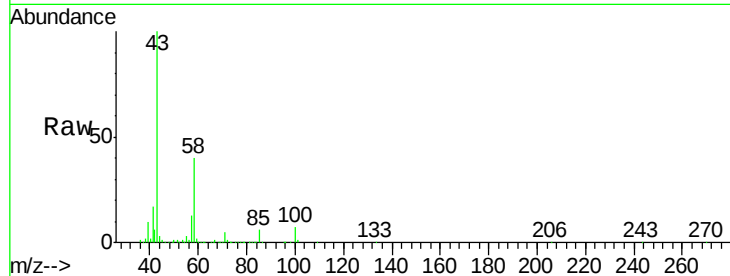




#59
2-Hexanone
Concen: 267.50 ug/l
RT: 10.70 min Scan# 1032
Delta R.T. -0.02 min
Lab File: VD046859.D
Acq: 23 Sep 2015 17:46

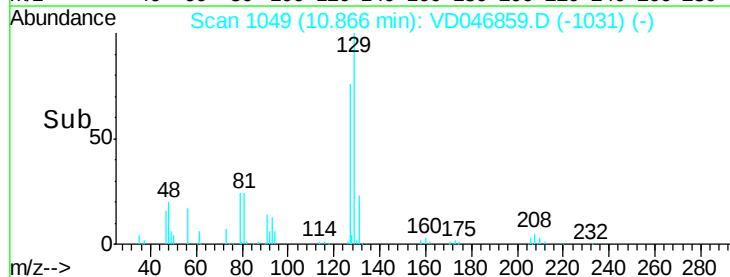
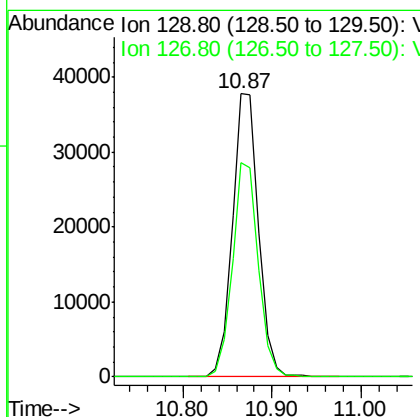
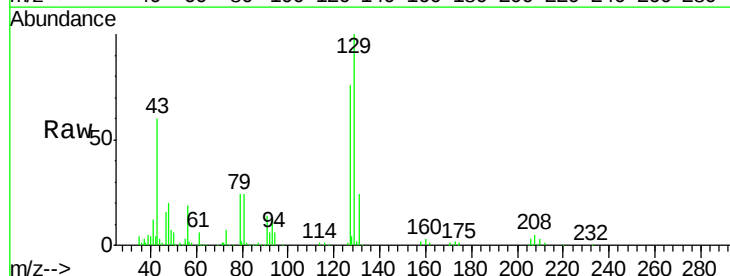
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

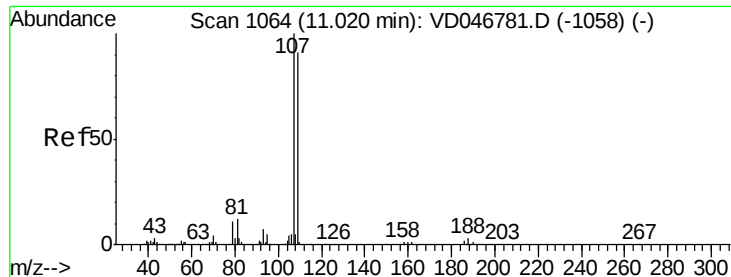
Tot Ion: 43 Resp: 136793
Ion Ratio Lower Upper
43 100
58 40.2 18.6 55.8



#60
Dibromochloromethane
Concen: 60.00 ug/l
RT: 10.87 min Scan# 1049
Delta R.T. -0.03 min
Lab File: VD046859.D
Acq: 23 Sep 2015 17:46

Tgt Ion: 129 Resp: 77668
Ion Ratio Lower Upper
129 100
127 75.6 38.2 114.6

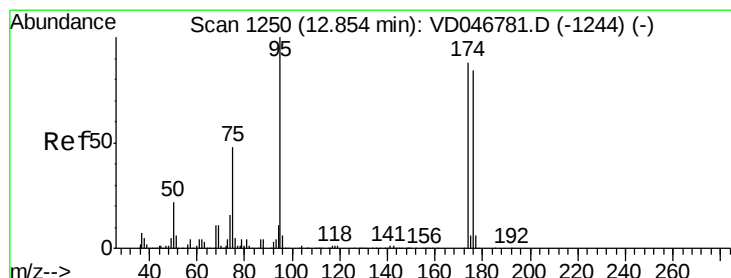
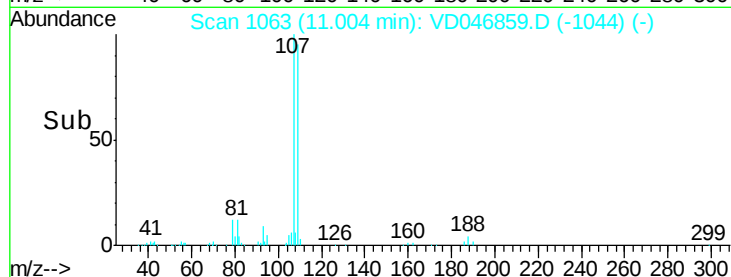
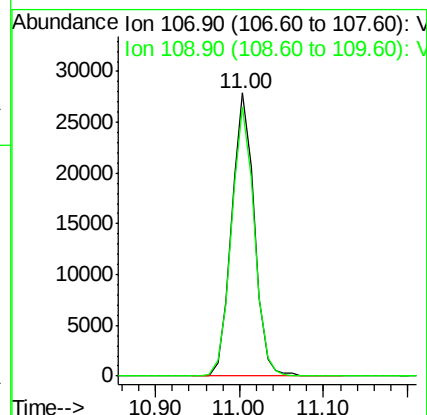
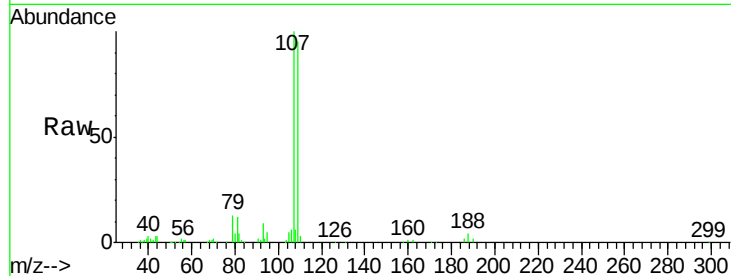




#61
 1,2-Dibromoethane
 Concen: 55.63 ug/l
 RT: 11.00 min Scan# 1063
 Delta R.T. -0.02 min
 Lab File: VD046859.D
 Acq: 23 Sep 2015 17:46

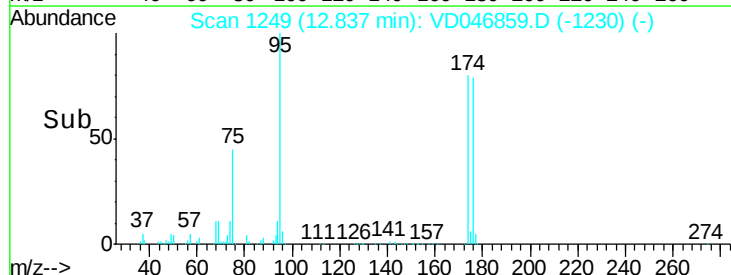
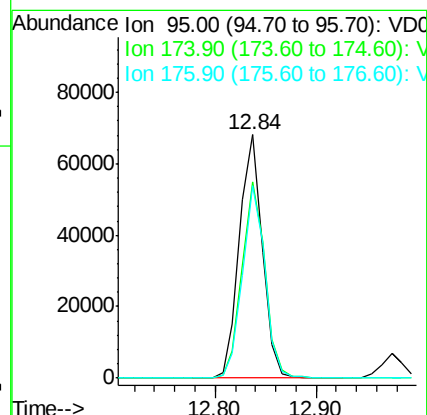
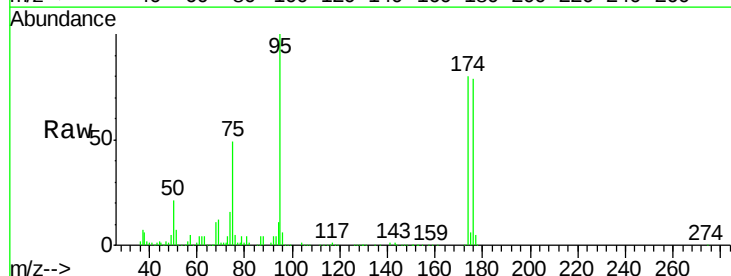
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

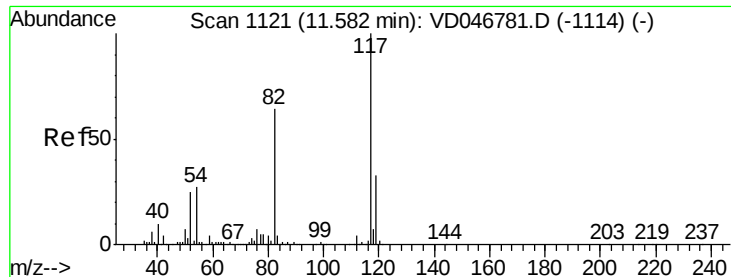
Tot Ion:107 Resp: 51805
 Ion Ratio Lower Upper
 107 100
 109 95.1 71.4 107.0



#62
 4-Bromofluorobenzene
 Concen: 55.63 ug/l
 RT: 12.84 min Scan# 1249
 Delta R.T. -0.02 min
 Lab File: VD046859.D
 Acq: 23 Sep 2015 17:46

Tgt Ion: 95 Resp: 107611
 Ion Ratio Lower Upper
 95 100
 174 80.4 0.0 149.8
 176 78.8 0.0 143.4

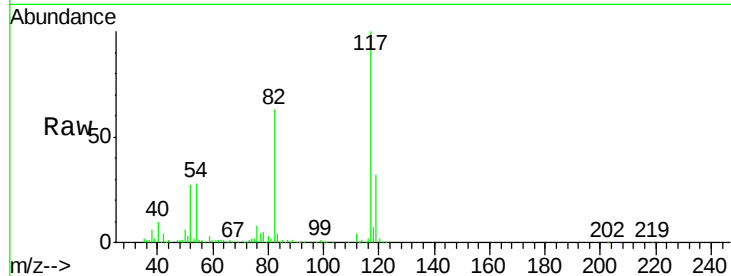




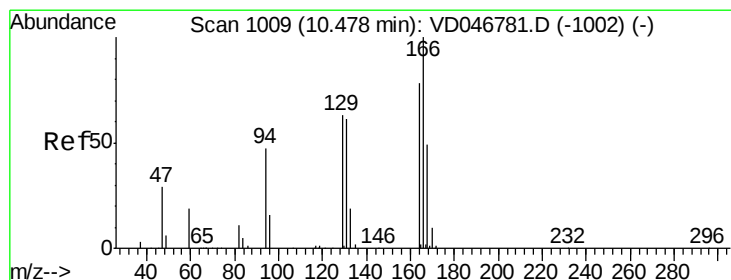
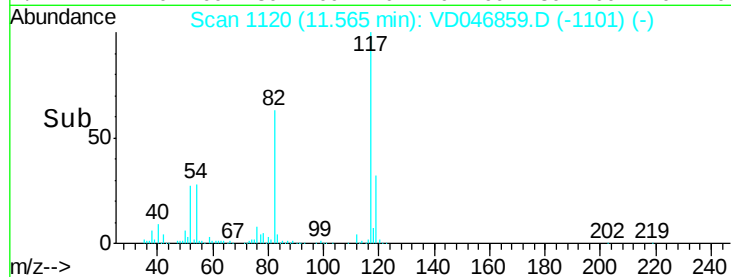
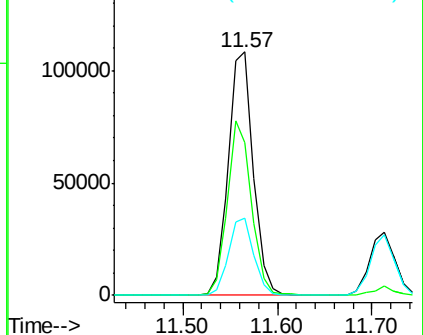
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.57 min Scan# 1120
Delta R.T. -0.02 min
Lab File: VD046859.D
Acq: 23 Sep 2015 17:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 198180
Ion Ratio Lower Upper
117 100
82 62.6 50.6 75.8
119 32.0 25.8 38.8

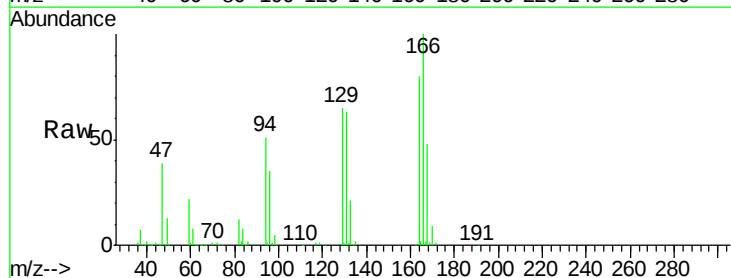


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

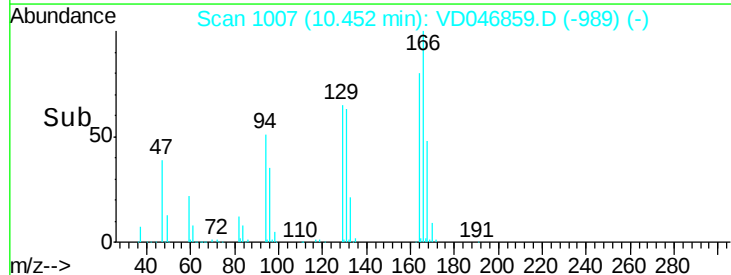
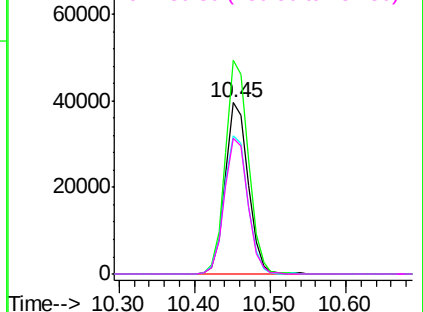


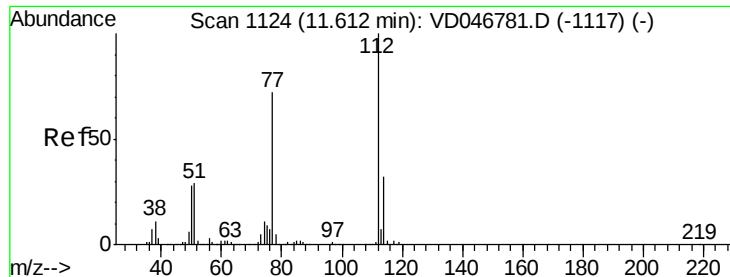
#64
Tetrachloroethene
Concen: 51.87 ug/l
RT: 10.45 min Scan# 1007
Delta R.T. -0.03 min
Lab File: VD046859.D
Acq: 23 Sep 2015 17:46

Tgt Ion:164 Resp: 83012
Ion Ratio Lower Upper
164 100
166 124.6 106.8 160.2
129 80.9 70.6 106.0
131 79.1 66.6 100.0



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

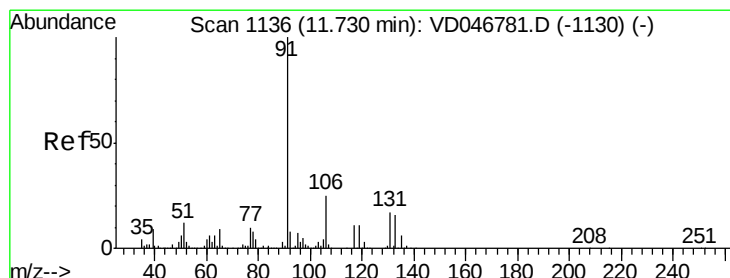
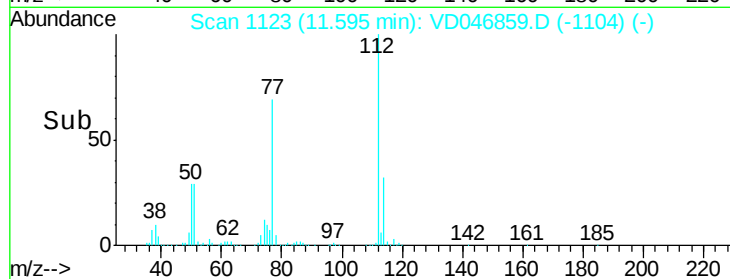
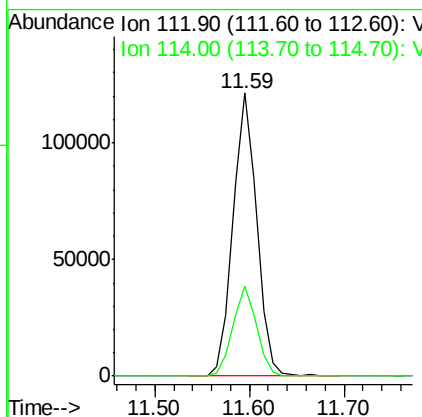
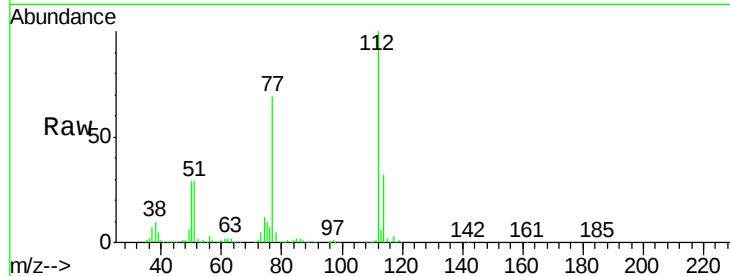




#65
Chlorobenzene
Concen: 50.74 ug/l
RT: 11.59 min Scan# 1123
Delta R.T. -0.02 min
Lab File: VD046859.D
Acq: 23 Sep 2015 17:46

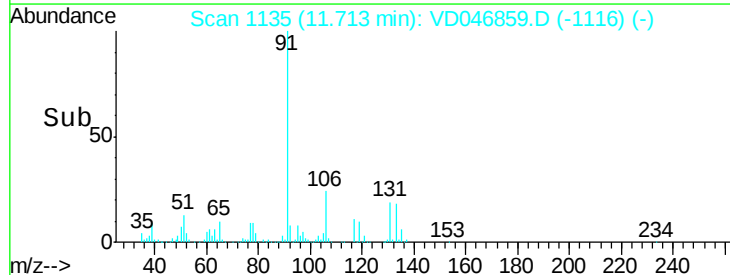
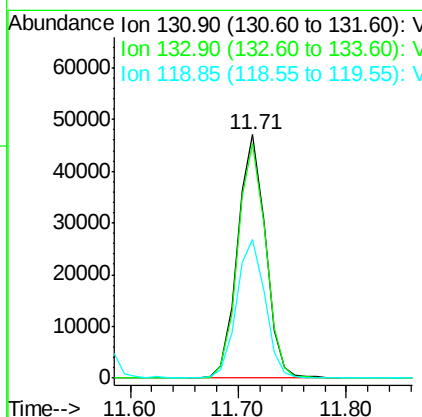
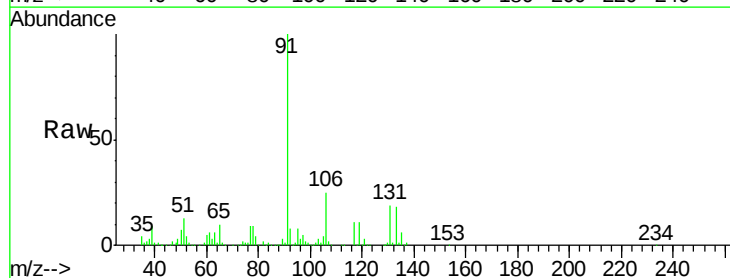
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

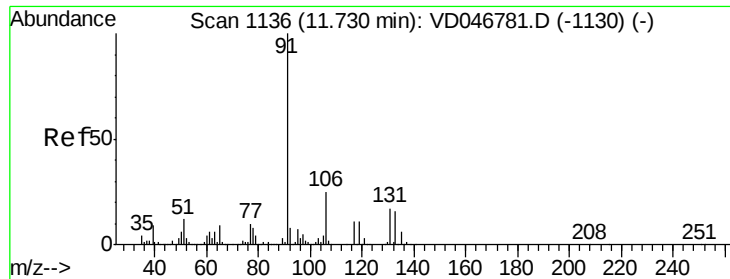
Tot Ion:112 Resp: 211655
Ion Ratio Lower Upper
112 100
114 31.7 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 54.78 ug/l
RT: 11.71 min Scan# 1135
Delta R.T. -0.02 min
Lab File: VD046859.D
Acq: 23 Sep 2015 17:46

Tgt Ion:131 Resp: 83915
Ion Ratio Lower Upper
131 100
133 96.1 48.4 145.0
119 56.7 31.5 94.5





#67

Ethyl Benzene

Concen: 54.35 ug/l

RT: 11.71 min Scan# 1135

Delta R.T. -0.02 min

Lab File: VD046859.D

Acq: 23 Sep 2015 17:46

Instrument :

MSVOA_D

ClientSampleId :

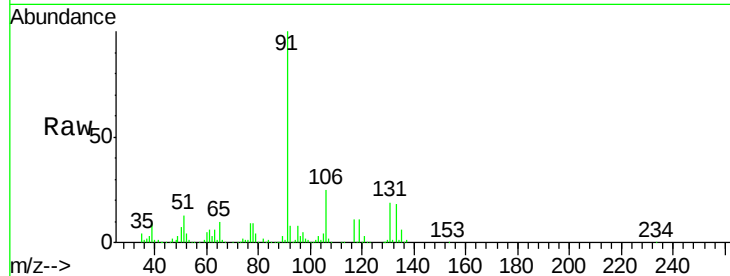
VSTDCCC050EC

Tot Ion: 91 Resp: 455471

Ion Ratio Lower Upper

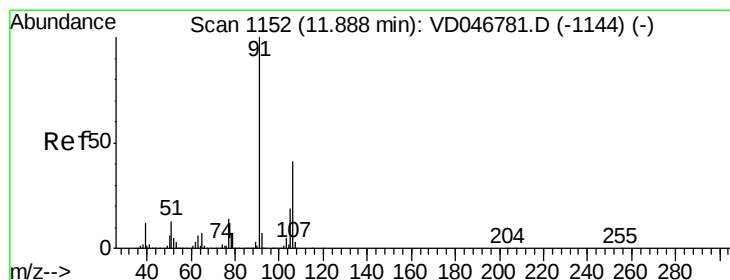
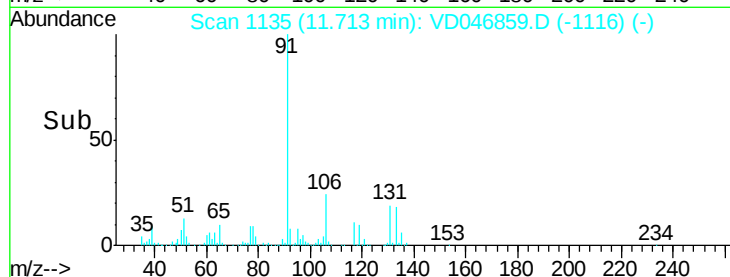
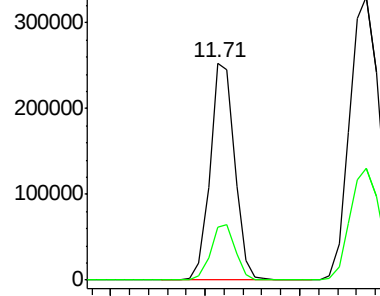
91 100

106 24.5 20.2 30.2



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.05 (105.75 to 106.75): V



#68

m/p-Xylenes

Concen: 108.15 ug/l

RT: 11.87 min Scan# 1151

Delta R.T. -0.02 min

Lab File: VD046859.D

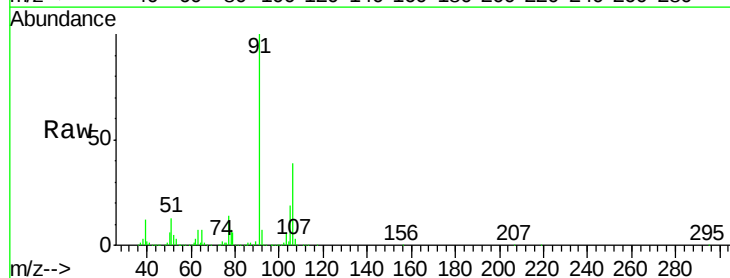
Acq: 23 Sep 2015 17:46

Tgt Ion: 106 Resp: 285884

Ion Ratio Lower Upper

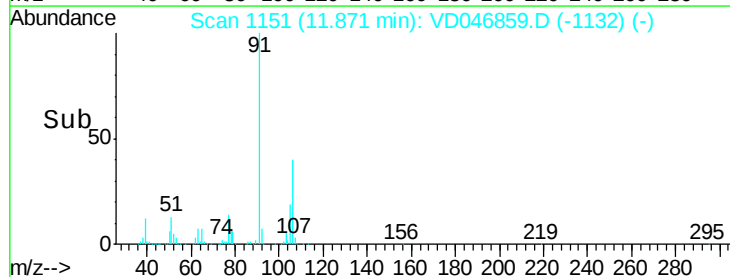
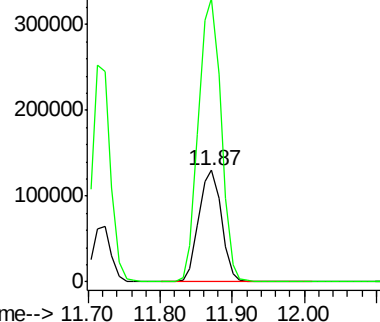
106 100

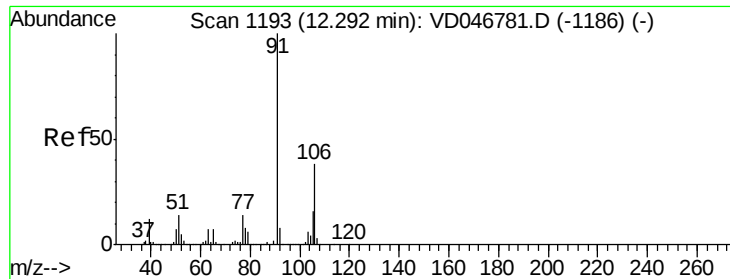
91 253.4 187.9 281.9



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): VDC

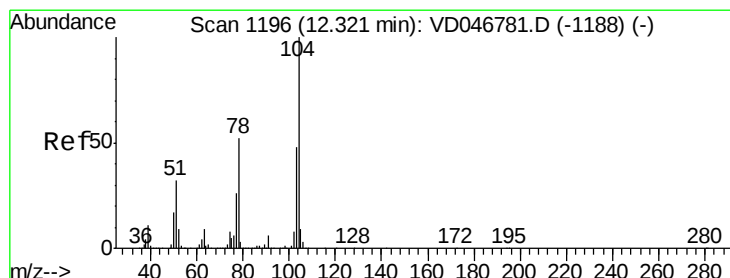
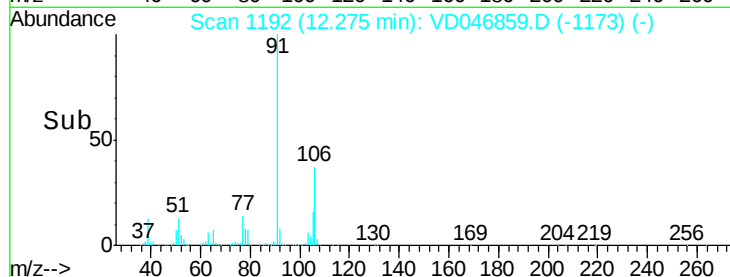
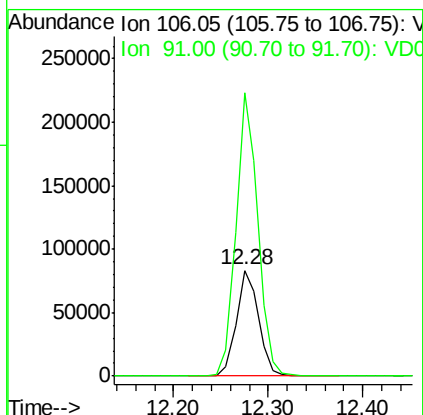
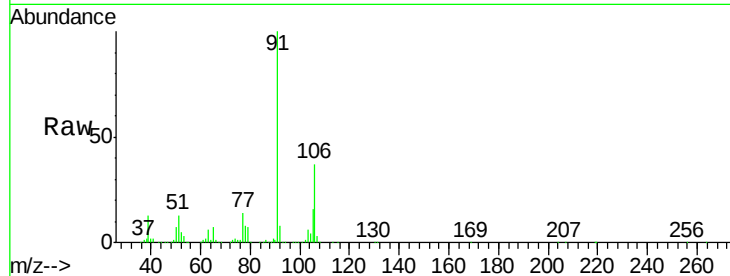




#69
o-Xylene
Concen: 56.79 ug/l
RT: 12.28 min Scan# 1192
Delta R.T. -0.02 min
Lab File: VD046859.D
Acq: 23 Sep 2015 17:46

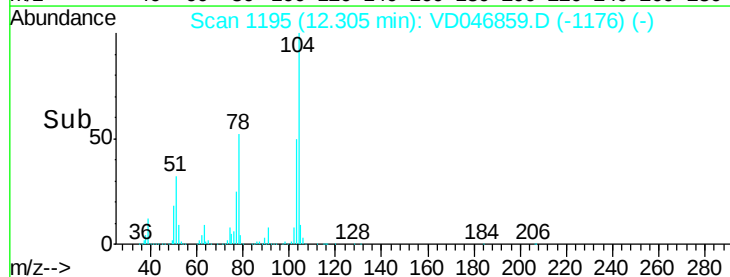
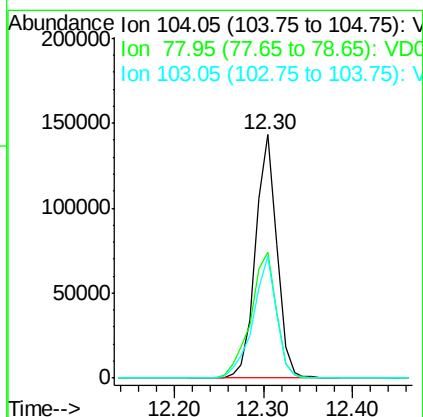
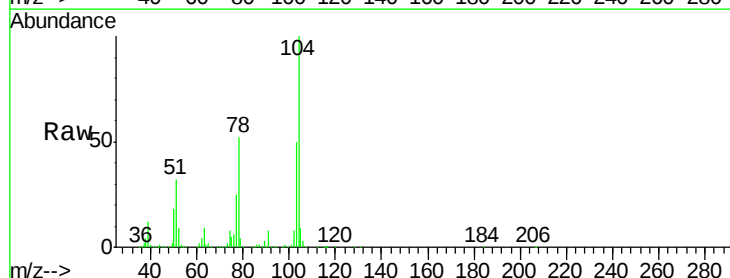
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

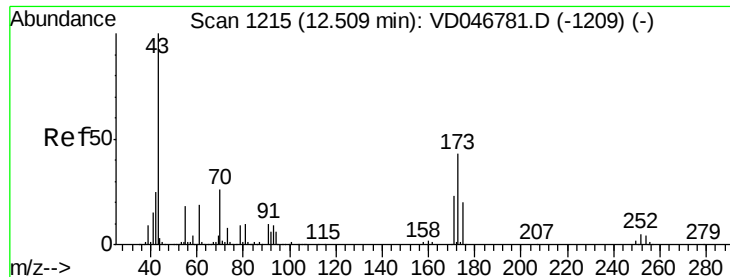
Tot Ion:106 Resp: 135143
Ion Ratio Lower Upper
106 100
91 266.9 124.8 374.5



#70
Styrene
Concen: 56.93 ug/l
RT: 12.30 min Scan# 1195
Delta R.T. -0.02 min
Lab File: VD046859.D
Acq: 23 Sep 2015 17:46

Tgt Ion:104 Resp: 234860
Ion Ratio Lower Upper
104 100
78 51.8 44.5 66.7
103 49.9 40.3 60.5

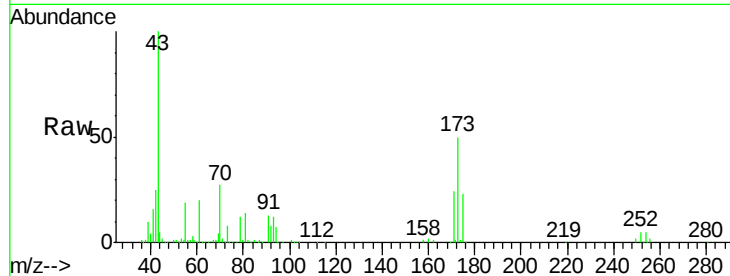




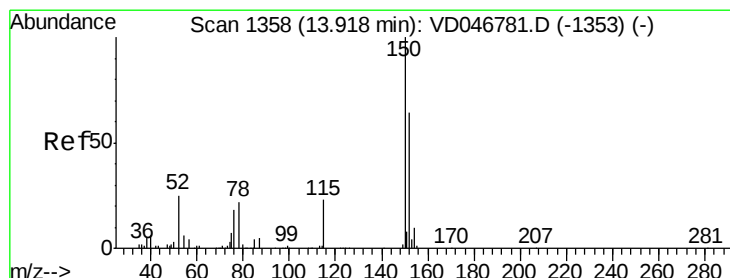
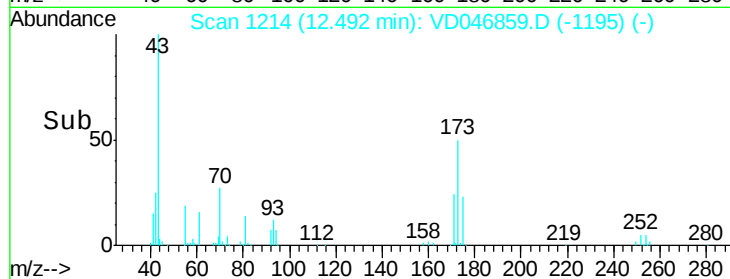
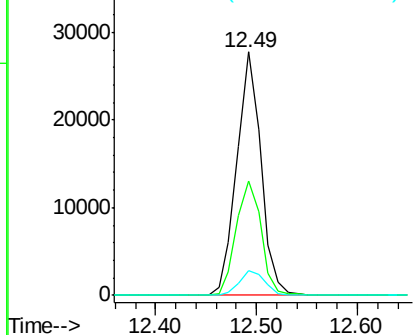
#71
Bromoform
Concen: 56.82 ug/l
RT: 12.49 min Scan# 1214
Delta R.T. -0.02 min
Lab File: VD046859.D
Acq: 23 Sep 2015 17:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:173 Resp: 46360
Ion Ratio Lower Upper
173 100
175 46.8 23.1 69.3
254 10.3 8.7 13.1

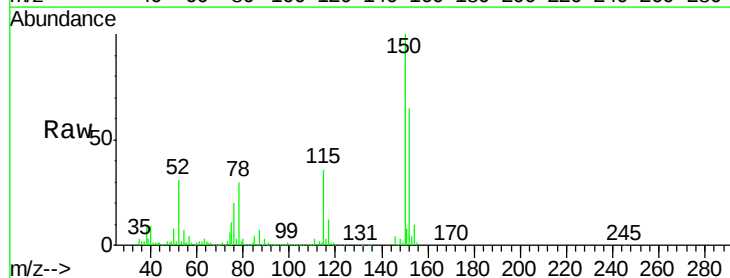


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

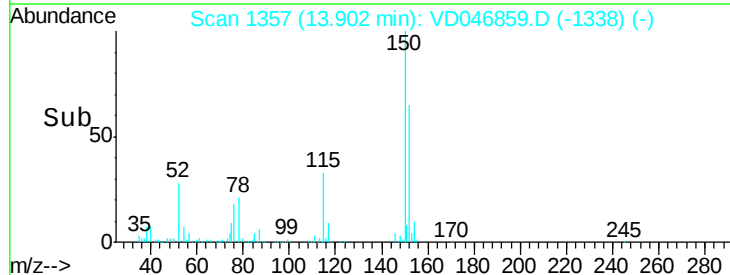
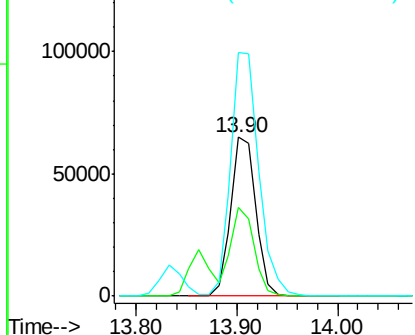


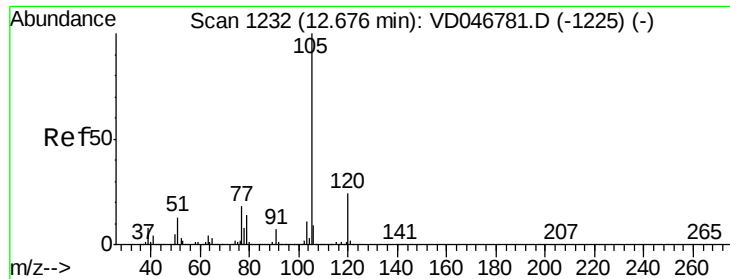
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.90 min Scan# 1357
Delta R.T. -0.02 min
Lab File: VD046859.D
Acq: 23 Sep 2015 17:46

Tgt Ion:152 Resp: 112726
Ion Ratio Lower Upper
152 100
115 55.7 26.2 78.6
150 153.6 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: 52.75 ug/l

RT: 12.66 min Scan# 1231

Delta R.T. -0.02 min

Lab File: VD046859.D

Acq: 23 Sep 2015 17:46

Instrument :

MSVOA_D

ClientSampleId :

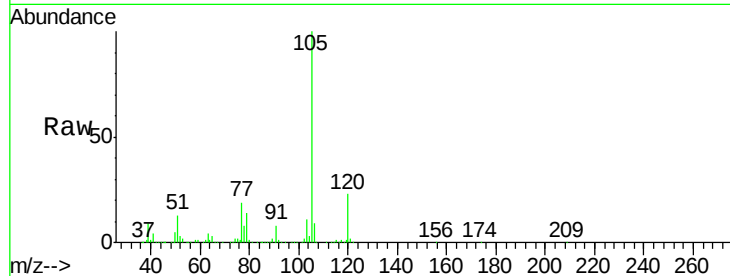
VSTDCCC050EC

Tot Ion:105 Resp: 419165

Ion Ratio Lower Upper

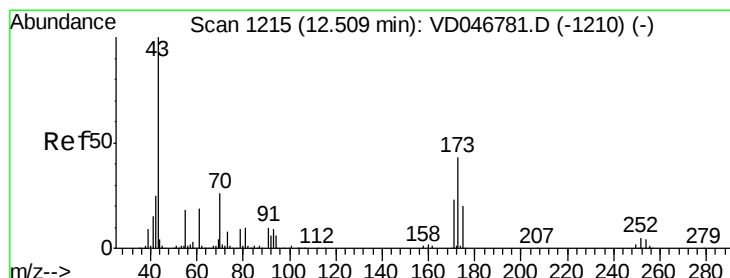
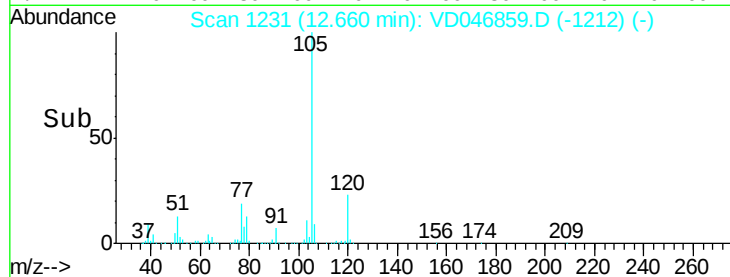
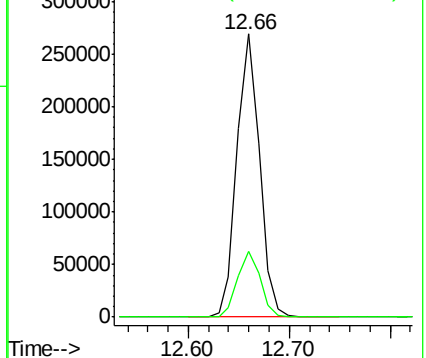
105 100

120 23.3 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: 41.45 ug/l

RT: 12.49 min Scan# 1214

Delta R.T. -0.02 min

Lab File: VD046859.D

Acq: 23 Sep 2015 17:46

Tgt Ion: 43 Resp: 81059

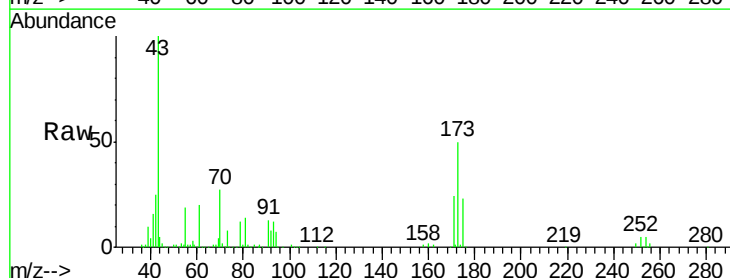
Ion Ratio Lower Upper

43 100

70 27.0 22.1 33.1

55 18.8 14.5 21.7

61 20.4 14.6 21.8

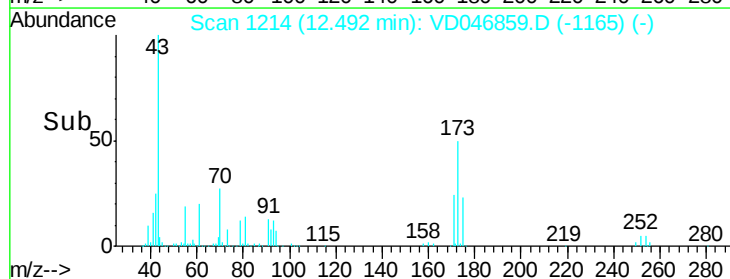
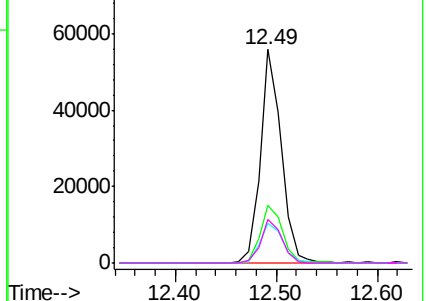


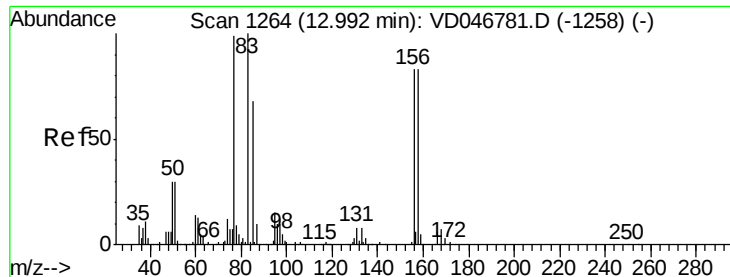
Abundance Ion 42.95 (42.65 to 43.65): VDC

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: 48.62 ug/l

RT: 12.98 min Scan# 1263

Delta R.T. -0.02 min

Lab File: VD046859.D

Acq: 23 Sep 2015 17:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

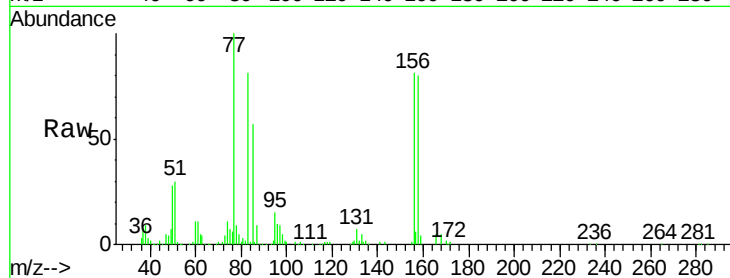
Tot Ion: 83 Resp: 62351

Ion Ratio Lower Upper

83 100

131 8.4 3.9 11.7

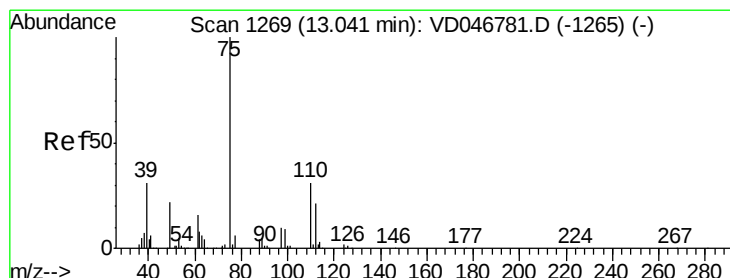
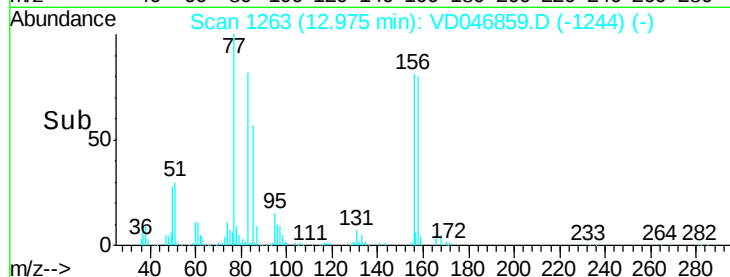
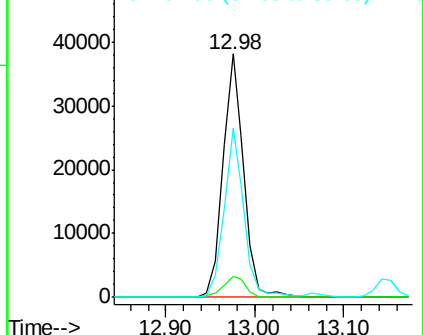
85 69.8 30.5 91.5



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: 49.25 ug/l

RT: 13.02 min Scan# 1268

Delta R.T. -0.02 min

Lab File: VD046859.D

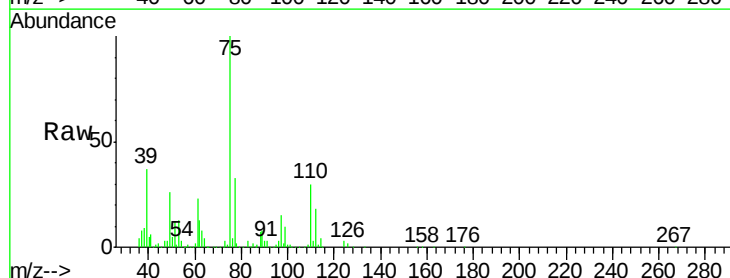
Acq: 23 Sep 2015 17:46

Tgt Ion: 75 Resp: 67569

Ion Ratio Lower Upper

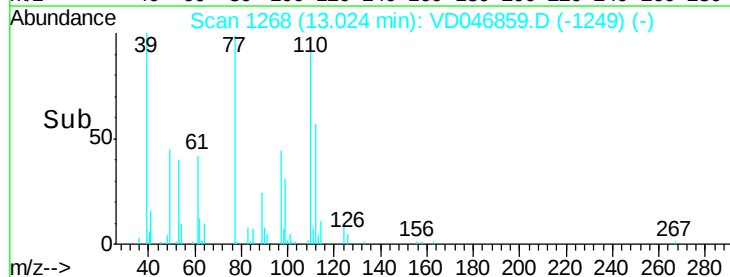
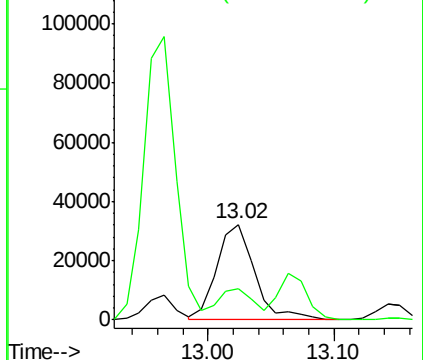
75 100

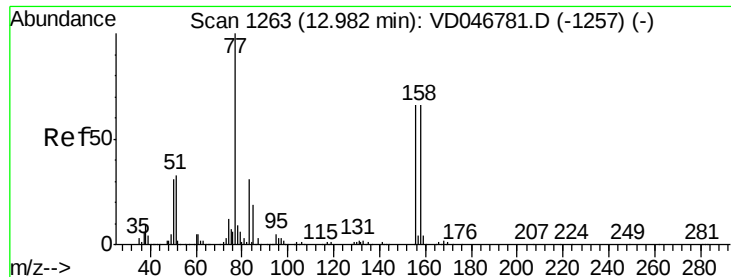
77 33.2 16.0 48.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 50.22 ug/l

RT: 12.97 min Scan# 1262

Delta R.T. -0.02 min

Lab File: VD046859.D

Acq: 23 Sep 2015 17:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

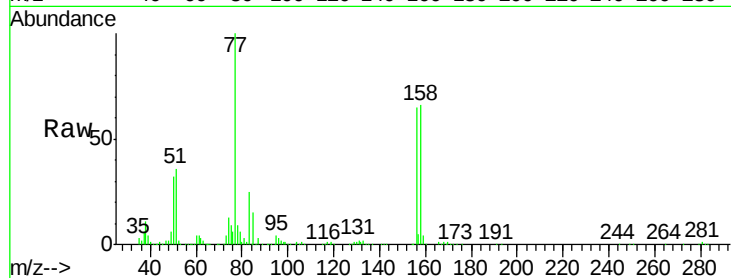
Tot Ion:156 Resp: 100357

Ion Ratio Lower Upper

156 100

77 154.3 70.3 210.8

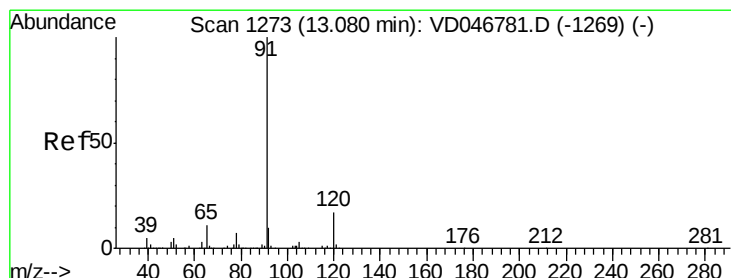
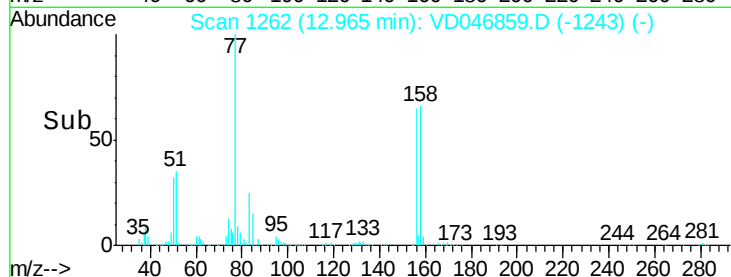
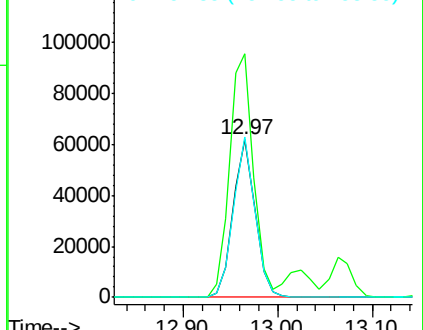
158 101.5 49.0 147.0



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 51.97 ug/l

RT: 13.06 min Scan# 1272

Delta R.T. -0.02 min

Lab File: VD046859.D

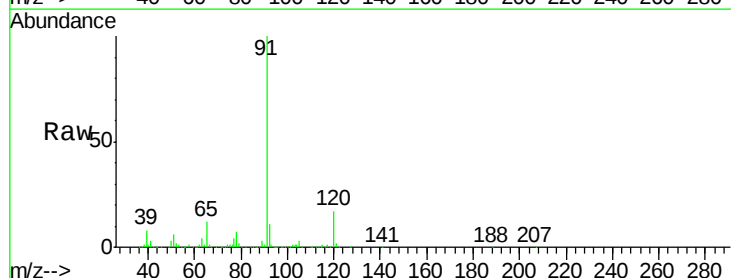
Acq: 23 Sep 2015 17:46

Tgt Ion: 91 Resp: 583218

Ion Ratio Lower Upper

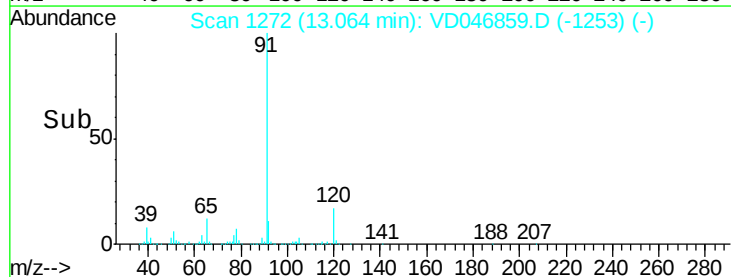
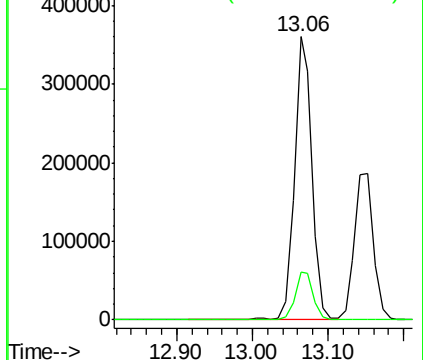
91 100

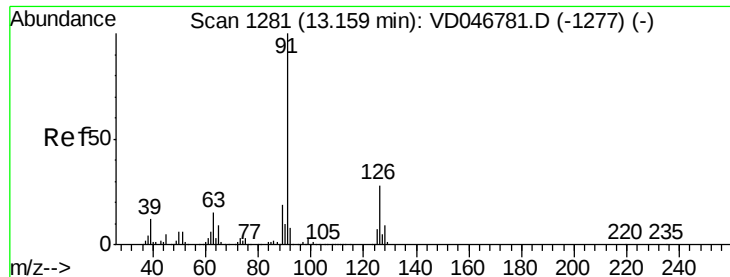
120 16.7 9.3 27.7



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 51.46 ug/l

RT: 13.15 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD046859.D

Acq: 23 Sep 2015 17:46

Instrument :

MSVOA_D

ClientSampleId :

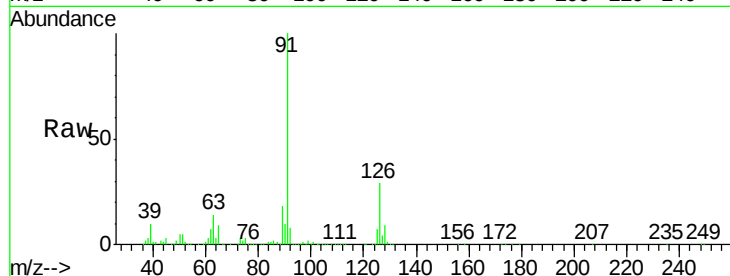
VSTDCCC050EC

Tot Ion: 91 Resp: 320609

Ion Ratio Lower Upper

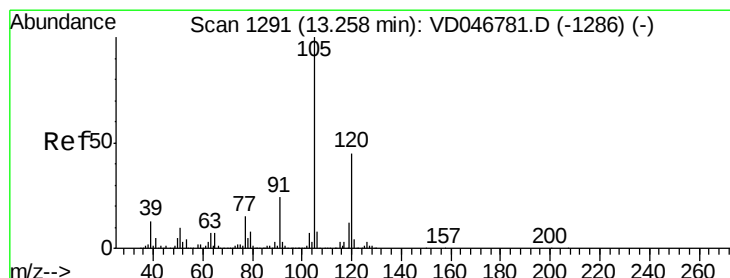
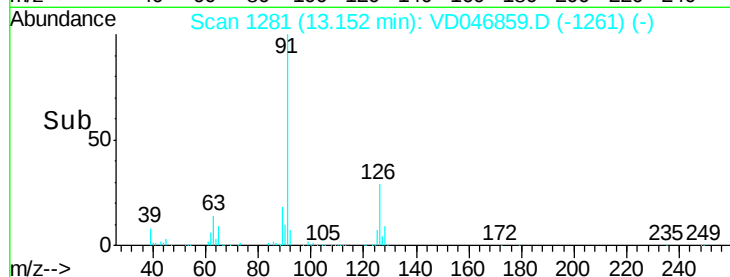
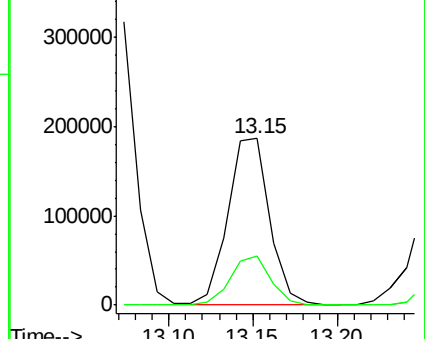
91 100

126 29.2 14.1 42.4



Abundance Ion 91.00 (90.70 to 91.70): VD046859.D (-1261) (-)

Ion 125.95 (125.65 to 126.65): VD046859.D (-1261) (-)



#80

1,3,5-Trimethylbenzene

Concen: 51.09 ug/l

RT: 13.24 min Scan# 1290

Delta R.T. -0.02 min

Lab File: VD046859.D

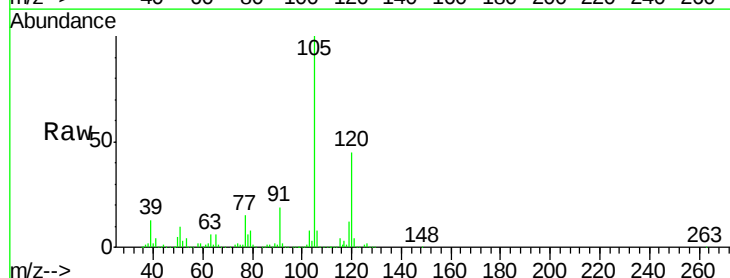
Acq: 23 Sep 2015 17:46

Tgt Ion:105 Resp: 323485

Ion Ratio Lower Upper

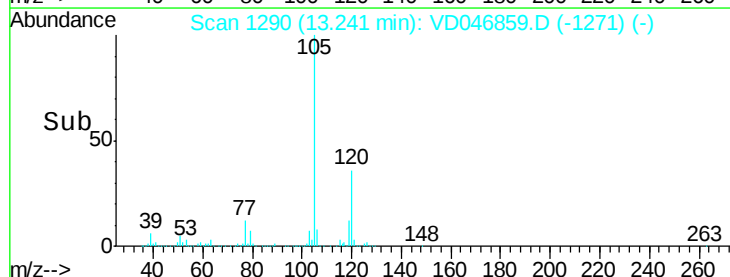
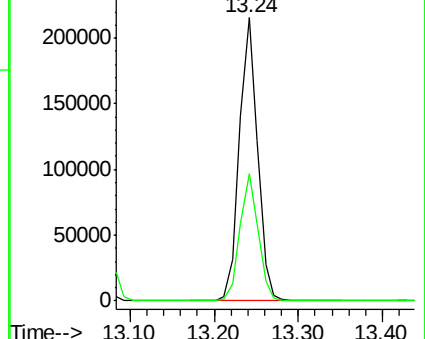
105 100

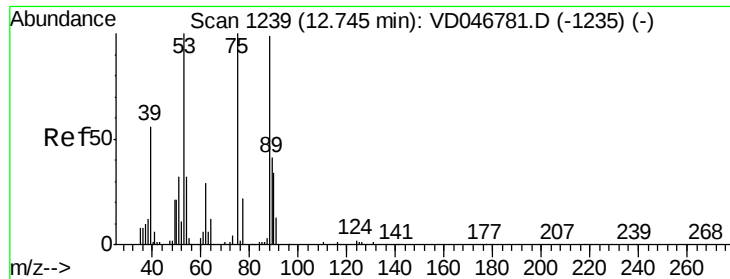
120 45.1 22.3 66.8



Abundance Ion 105.05 (104.75 to 105.75): VD046859.D (-1271) (-)

Ion 120.05 (119.75 to 120.75): VD046859.D (-1271) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 45.36 ug/l

RT: 12.73 min Scan# 1238

Delta R.T. -0.02 min

Lab File: VD046859.D

Acq: 23 Sep 2015 17:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

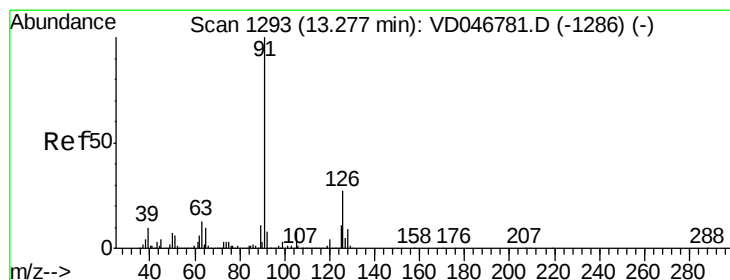
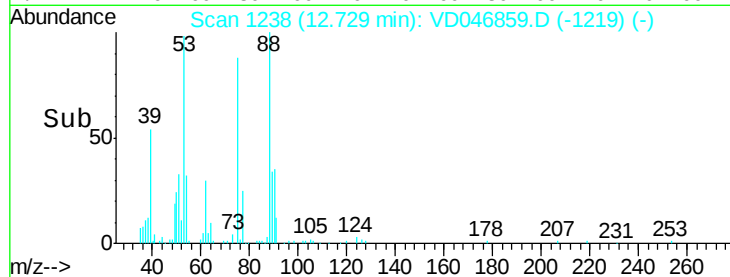
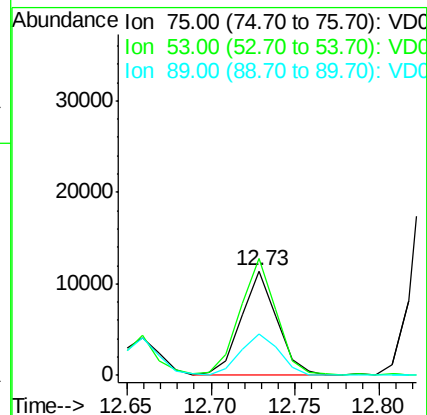
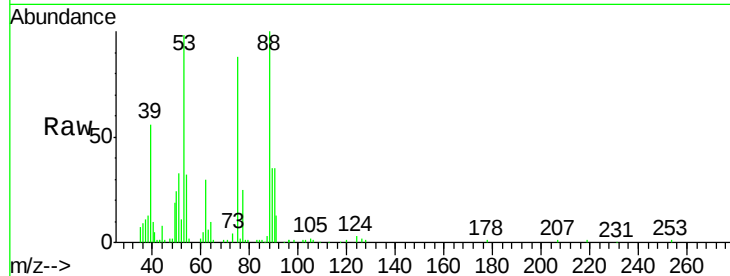
Tot Ion: 75 Resp: 16986

Ion Ratio Lower Upper

75 100

53 111.8 82.3 123.5

89 39.4 36.6 54.8



#82

4-Chlorotoluene

Concen: 50.55 ug/l

RT: 13.26 min Scan# 1292

Delta R.T. -0.02 min

Lab File: VD046859.D

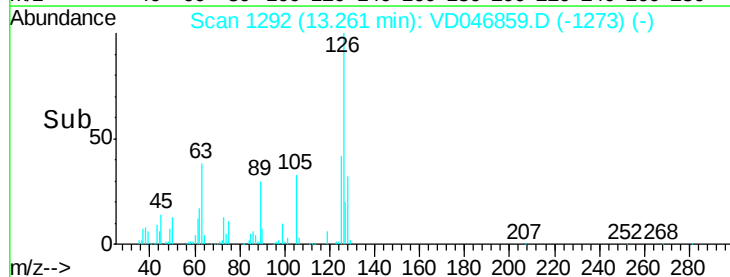
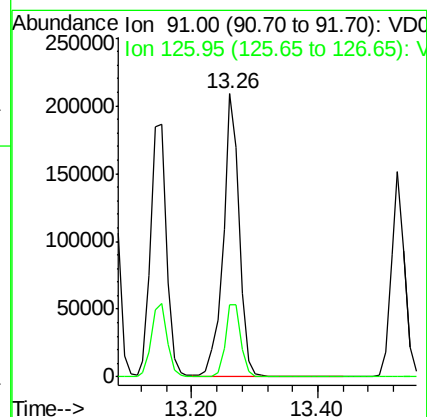
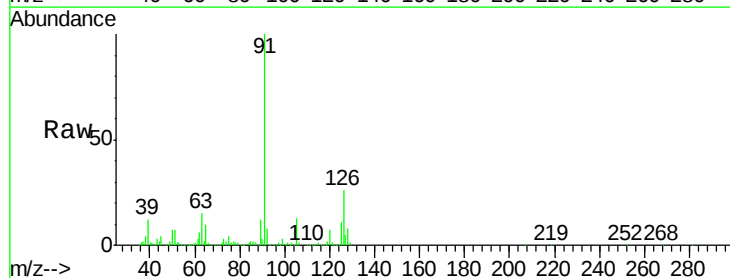
Acq: 23 Sep 2015 17:46

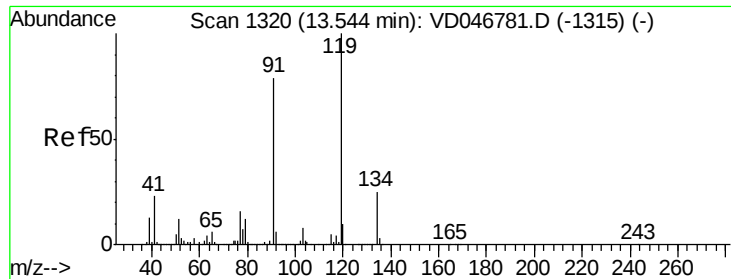
Tgt Ion: 91 Resp: 374831

Ion Ratio Lower Upper

91 100

126 25.6 14.1 42.4

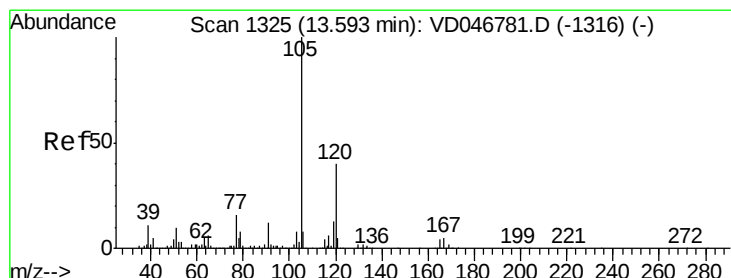
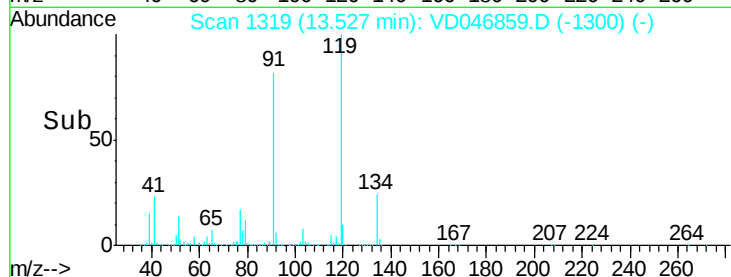
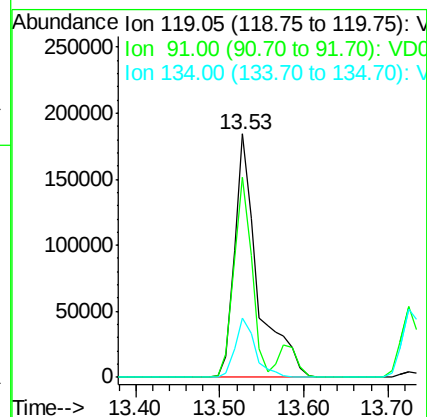
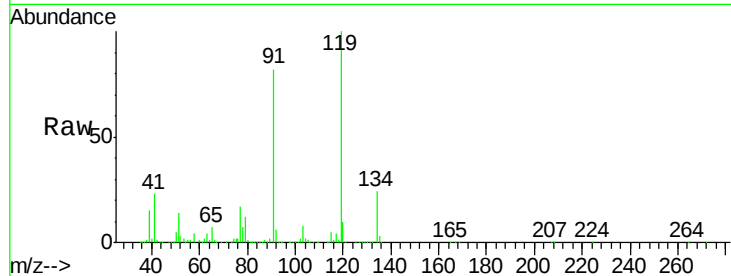




#83
 tert-Butylbenzene
 Concen: 62.18 ug/l
 RT: 13.53 min Scan# 1319
 Delta R.T. -0.02 min
 Lab File: VD046859.D
 Acq: 23 Sep 2015 17:46

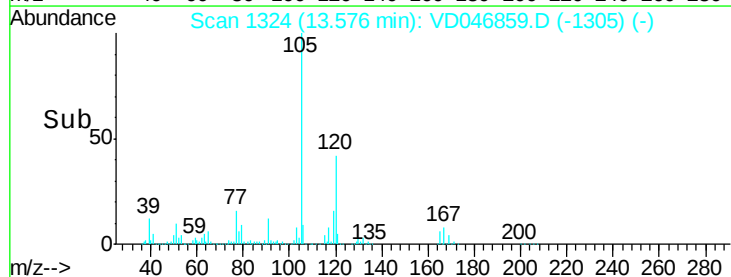
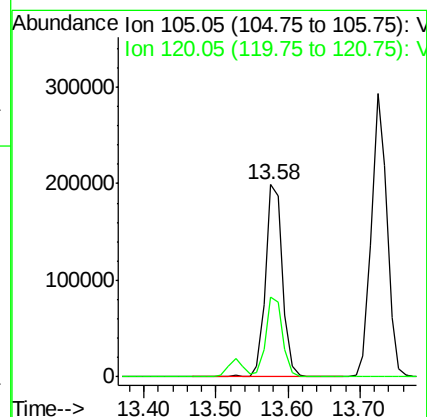
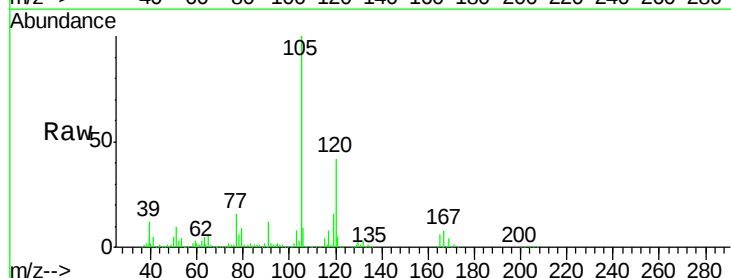
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

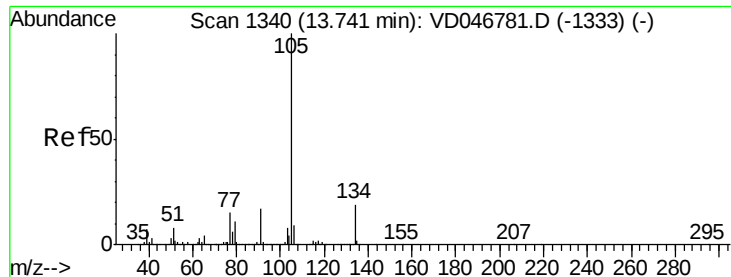
Tot Ion:119 Resp: 355006
 Ion Ratio Lower Upper
 119 100
 91 82.3 41.6 124.9
 134 24.3 12.4 37.4



#84
 1,2,4-Trimethylbenzene
 Concen: 51.62 ug/l
 RT: 13.58 min Scan# 1324
 Delta R.T. -0.02 min
 Lab File: VD046859.D
 Acq: 23 Sep 2015 17:46

Tgt Ion:105 Resp: 329021
 Ion Ratio Lower Upper
 105 100
 120 41.7 21.1 63.1

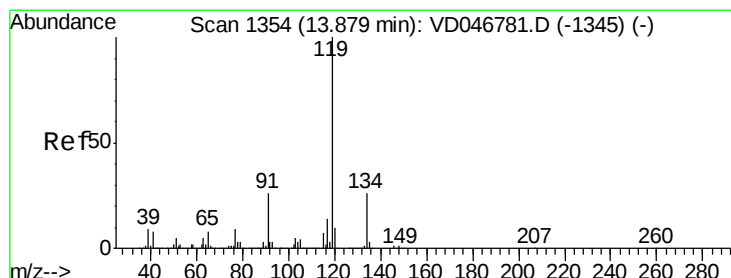
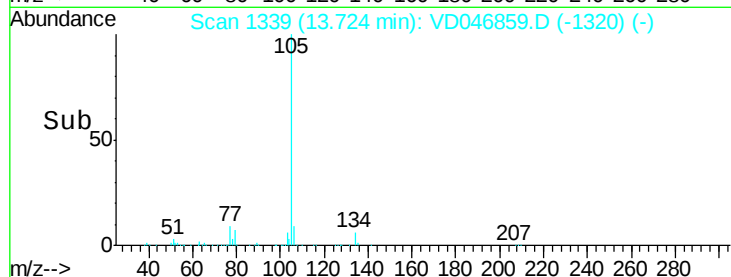
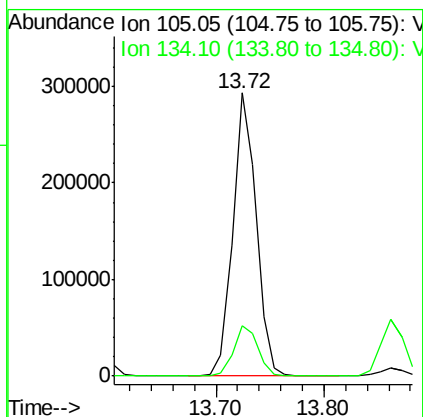
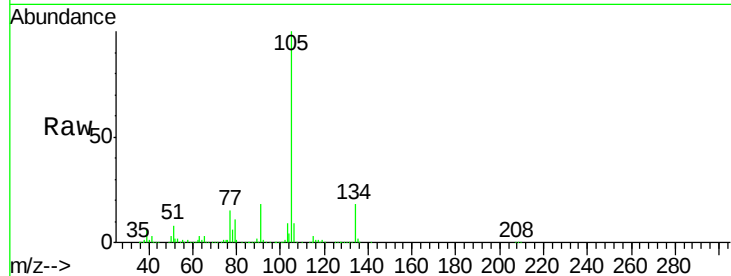




#85
 sec-Butylbenzene
 Concen: 52.39 ug/l
 RT: 13.72 min Scan# 1339
 Delta R.T. -0.02 min
 Lab File: VD046859.D
 Acq: 23 Sep 2015 17:46

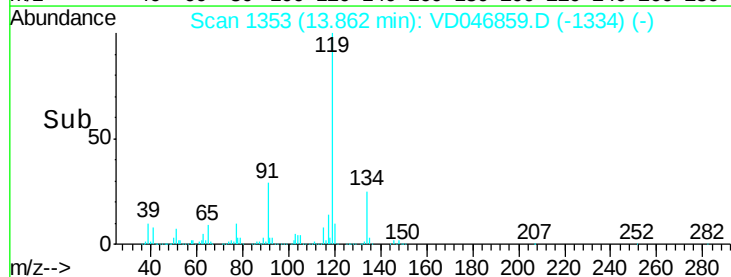
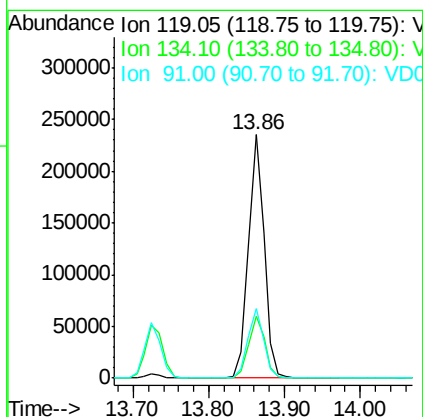
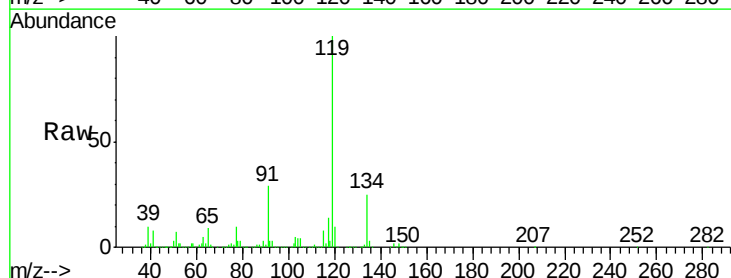
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

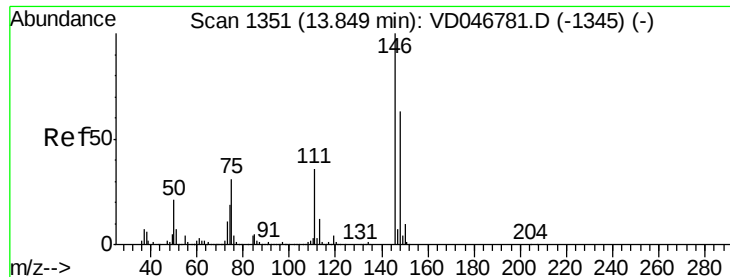
Tot Ion:105 Resp: 439607
 Ion Ratio Lower Upper
 105 100
 134 17.6 10.1 30.3



#86
 p-Isopropyltoluene
 Concen: 51.77 ug/l
 RT: 13.86 min Scan# 1353
 Delta R.T. -0.02 min
 Lab File: VD046859.D
 Acq: 23 Sep 2015 17:46

Tgt Ion:119 Resp: 341480
 Ion Ratio Lower Upper
 119 100
 134 25.2 13.0 38.9
 91 28.5 13.8 41.3

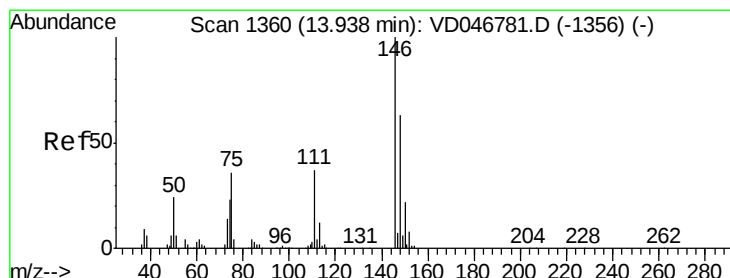
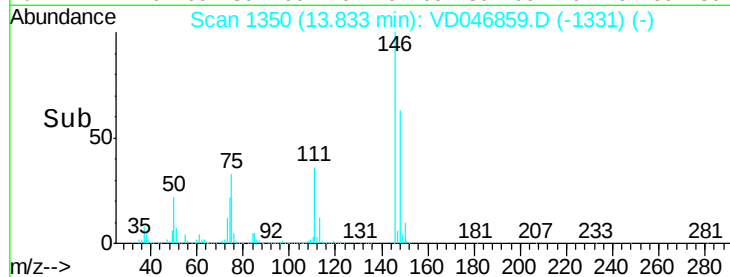
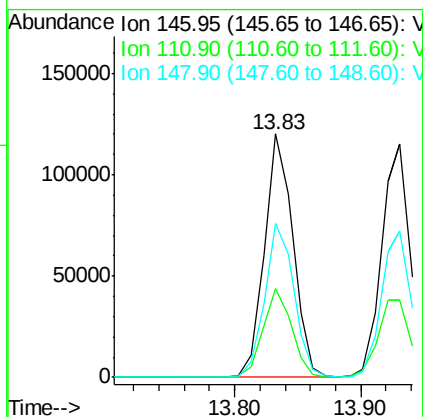
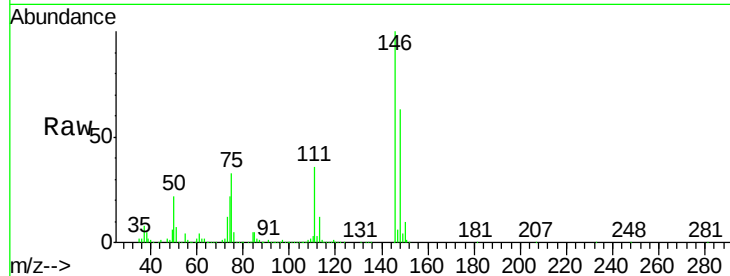




#87
 1,3-Dichlorobenzene
 Concen: 50.83 ug/l
 RT: 13.83 min Scan# 1350
 Delta R.T. -0.02 min
 Lab File: VD046859.D
 Acq: 23 Sep 2015 17:46

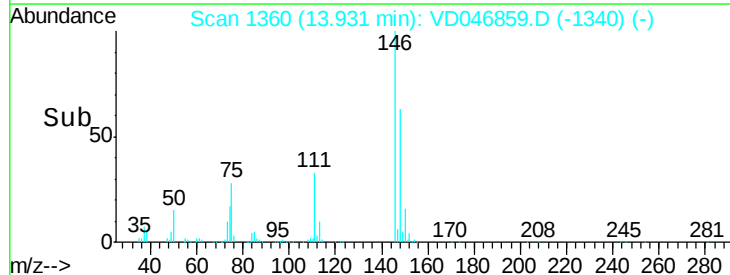
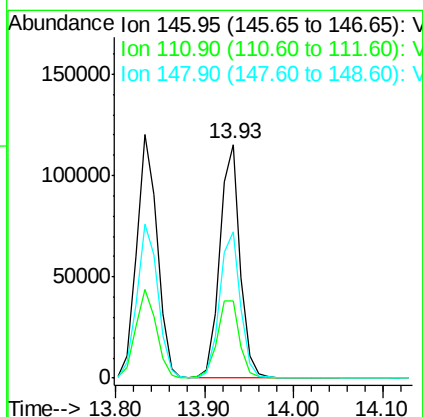
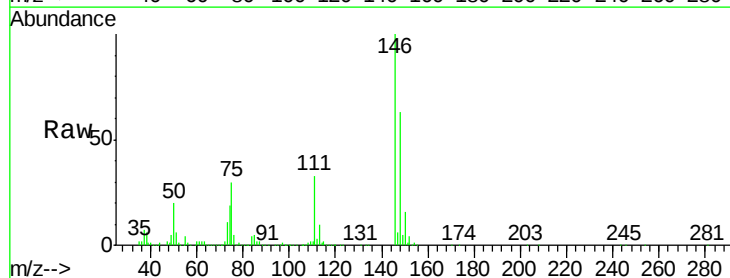
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

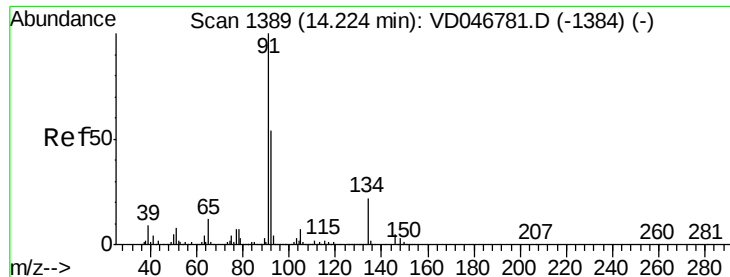
Tot Ion:146 Resp: 189516
 Ion Ratio Lower Upper
 146 100
 111 36.4 17.4 52.2
 148 63.1 33.0 99.0



#88
 1,4-Dichlorobenzene
 Concen: 50.00 ug/l
 RT: 13.93 min Scan# 1360
 Delta R.T. -0.01 min
 Lab File: VD046859.D
 Acq: 23 Sep 2015 17:46

Tgt Ion:146 Resp: 185365
 Ion Ratio Lower Upper
 146 100
 111 32.8 17.0 51.0
 148 62.8 31.9 95.7

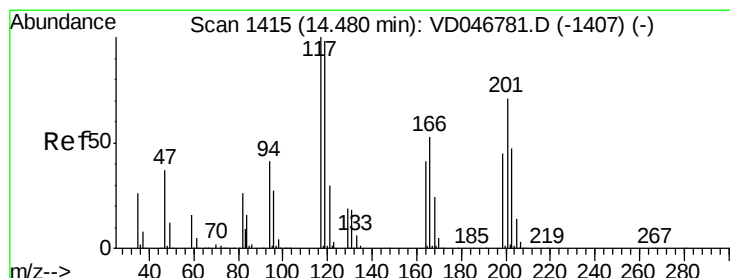
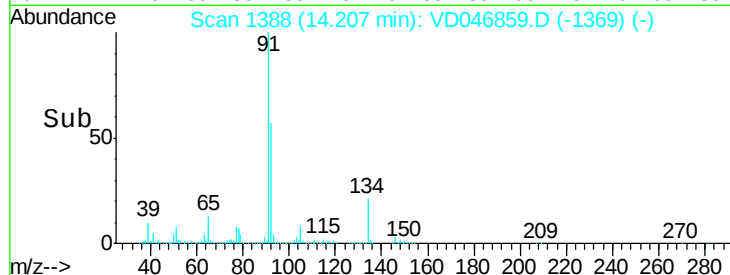
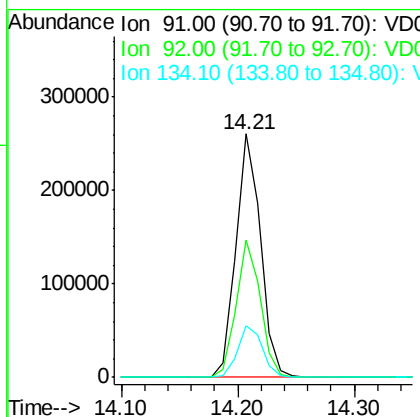
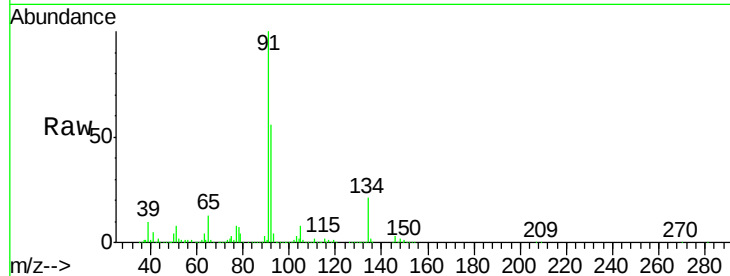




#89
n-Butylbenzene
Concen: 51.27 ug/l
RT: 14.21 min Scan# 1388
Delta R.T. -0.02 min
Lab File: VD046859.D
Acq: 23 Sep 2015 17:46

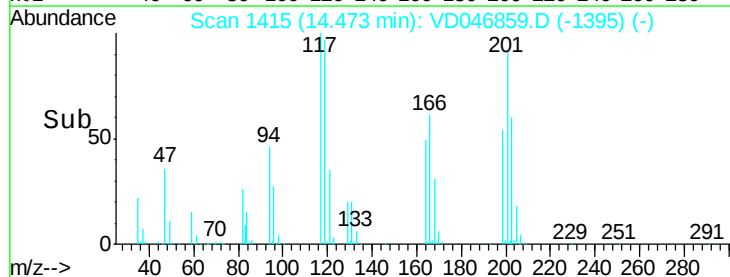
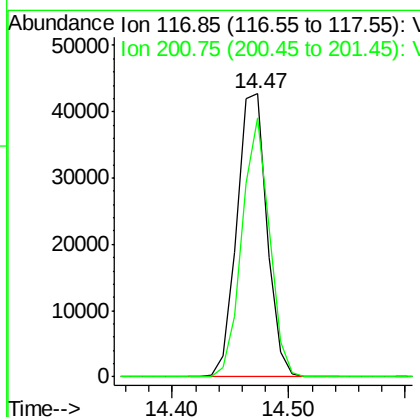
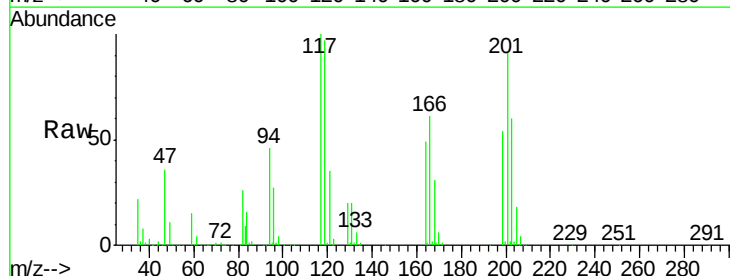
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

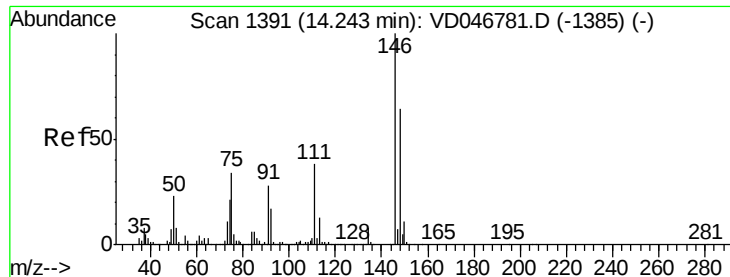
Tot Ion: 91 Resp: 381778
Ion Ratio Lower Upper
91 100
92 56.5 27.1 81.2
134 21.1 9.6 28.6



#90
Hexachloroethane
Concen: 50.12 ug/l
RT: 14.47 min Scan# 1415
Delta R.T. -0.01 min
Lab File: VD046859.D
Acq: 23 Sep 2015 17:46

Tgt Ion: 117 Resp: 76639
Ion Ratio Lower Upper
117 100
201 91.4 41.0 123.0





#91

1,2-Dichlorobenzene

Concen: 52.05 ug/l

RT: 14.23 min Scan# 1390

Delta R.T. -0.02 min

Lab File: VD046859.D

Acq: 23 Sep 2015 17:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

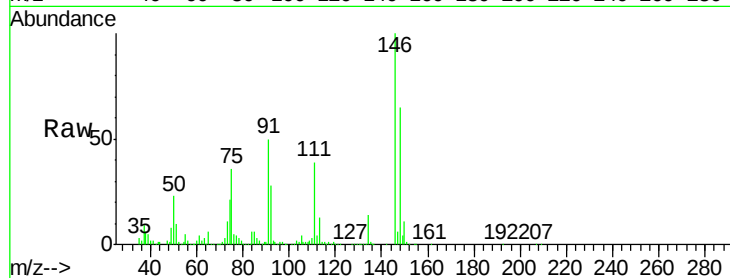
Tot Ion:146 Resp: 163019

Ion Ratio Lower Upper

146 100

111 38.9 18.2 54.6

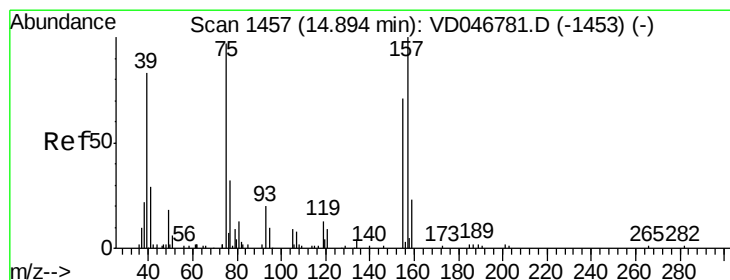
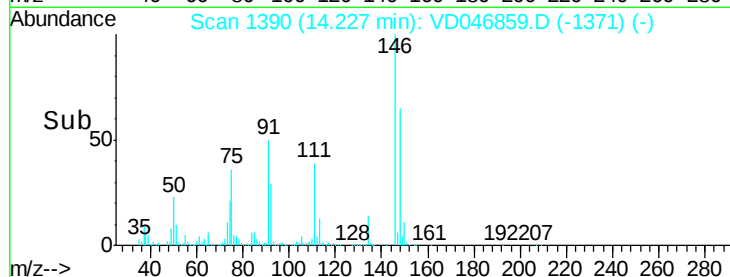
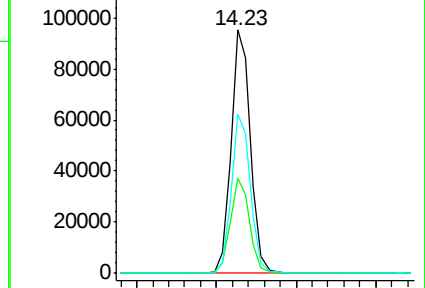
148 65.3 31.1 93.3



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 49.13 ug/l

RT: 14.88 min Scan# 1456

Delta R.T. -0.02 min

Lab File: VD046859.D

Acq: 23 Sep 2015 17:46

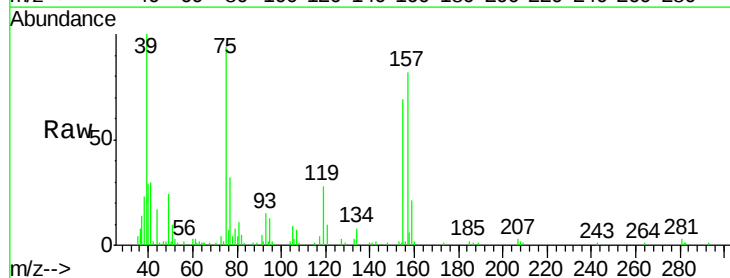
Tgt Ion: 75 Resp: 8097

Ion Ratio Lower Upper

75 100

155 73.4 41.4 124.4

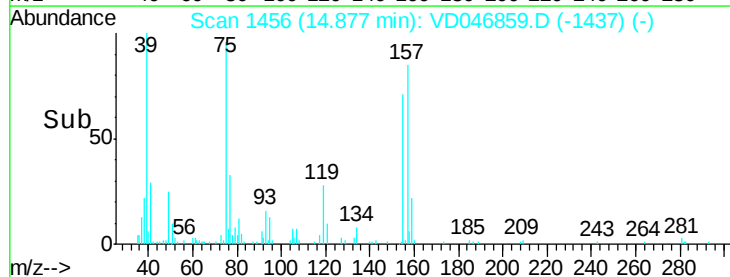
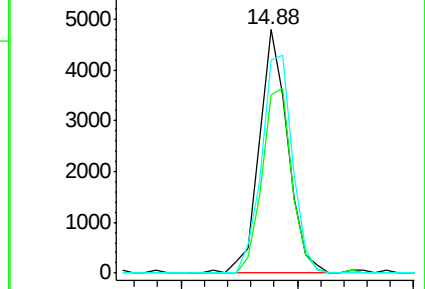
157 87.2 65.0 195.1

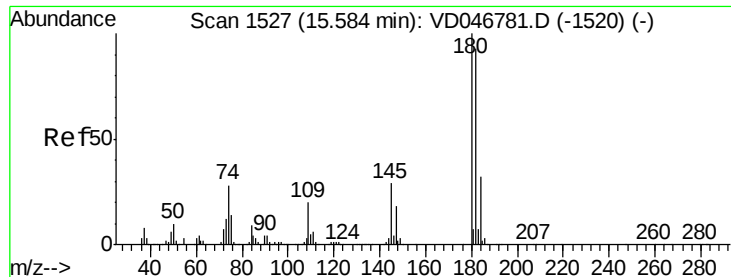


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

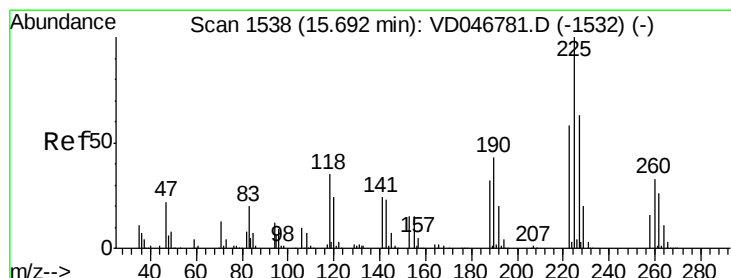
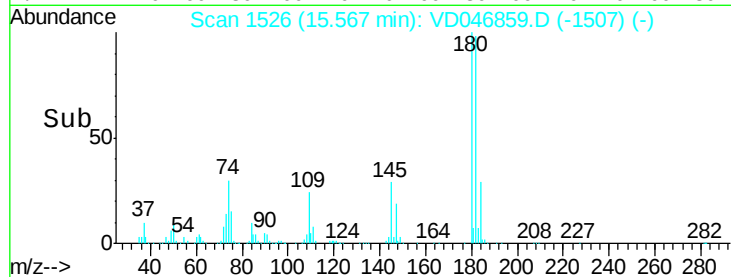
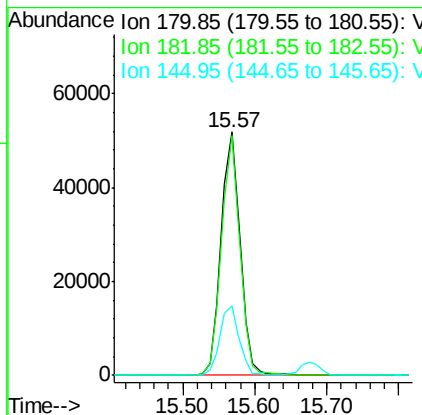
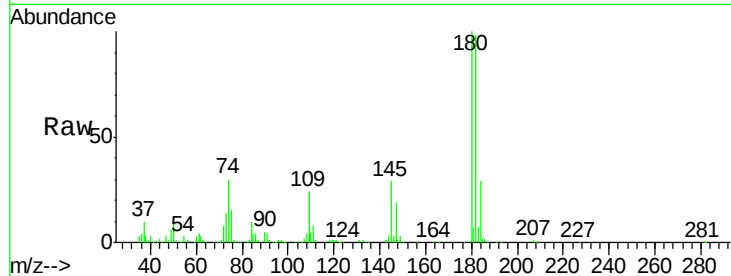




#93
 1,2,4-Trichlorobenzene
 Concen: 53.02 ug/l
 RT: 15.57 min Scan# 1526
 Delta R.T. -0.02 min
 Lab File: VD046859.D
 Acq: 23 Sep 2015 17:46

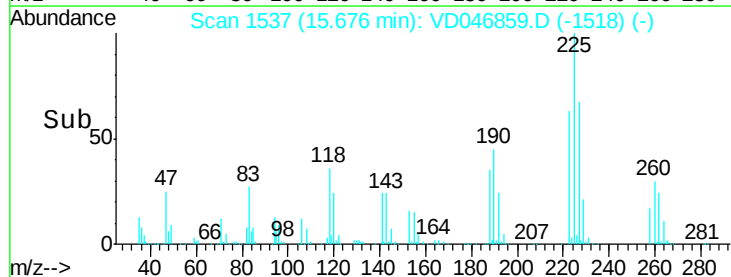
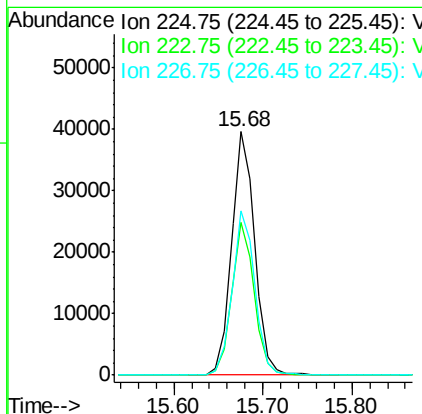
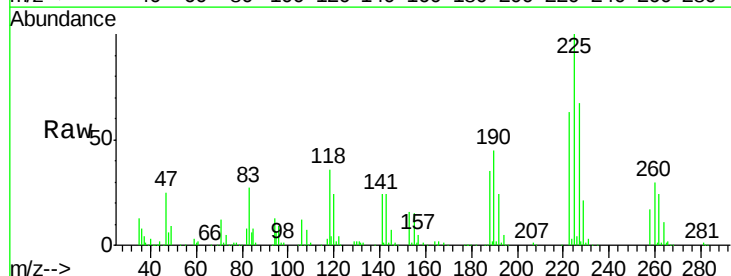
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

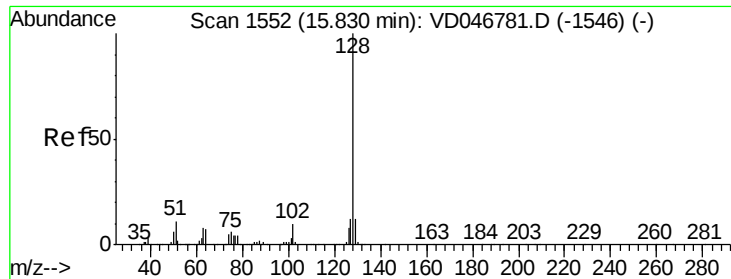
Tot Ion:180 Resp: 95621
 Ion Ratio Lower Upper
 180 100
 182 98.3 47.5 142.5
 145 28.8 14.6 44.0



#94
 Hexachlorobutadiene
 Concen: 48.76 ug/l
 RT: 15.68 min Scan# 1537
 Delta R.T. -0.02 min
 Lab File: VD046859.D
 Acq: 23 Sep 2015 17:46

Tgt Ion:225 Resp: 72388
 Ion Ratio Lower Upper
 225 100
 223 62.8 30.4 91.2
 227 67.2 31.3 93.9

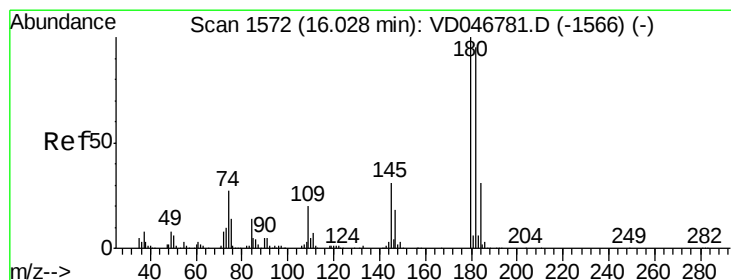
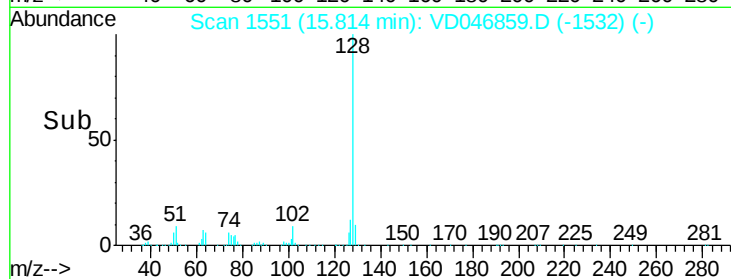
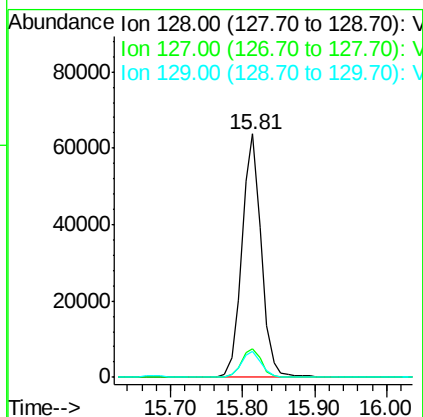
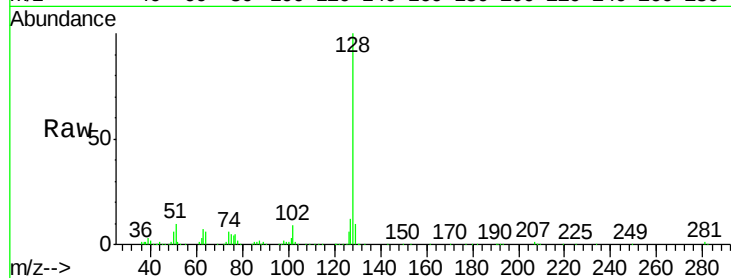




#95
Naphthalene
Concen: 49.85 ug/l
RT: 15.81 min Scan# 1551
Delta R.T. -0.02 min
Lab File: VD046859.D
Acq: 23 Sep 2015 17:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:128 Resp: 118975
Ion Ratio Lower Upper
128 100
127 11.8 9.8 14.6
129 10.4 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 51.46 ug/l
RT: 16.01 min Scan# 1571
Delta R.T. -0.02 min
Lab File: VD046859.D
Acq: 23 Sep 2015 17:46

Tgt Ion:180 Resp: 77555
Ion Ratio Lower Upper
180 100
182 93.5 47.4 142.3
145 29.0 15.4 46.4

