

Data Path : W:\HPCHEM1\MSVOA D\DATA\VD091815\
 Data File : VD046780.D
 Acq On : 18 Sep 2015 12:48
 Operator : FY/SY
 Sample : VSTDIC020
 Misc : 5.00gm/5mL/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Quant Time: Sep 18 13:38:40 2015
 Quant Method : W:\HPCHEM1\MSVOA_D\METHOD\82D091815S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 18 13:41:37 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.31	168	209685	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.43	114	269316	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.58	117	250644	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.92	152	133399	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.72	65	43607	21.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	42.26%	
35) Dibromofluoromethane	6.22	113	42662	20.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.00%	
50) Toluene-d8	9.62	98	134720	20.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	40.66%	
62) 4-Bromofluorobenzene	12.85	95	53737	23.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	46.04%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.43	85	45690	18.92	ug/l	100
3) Chlorodifluoromethane	1.44	51	38035	17.84	ug/l	94
4) Chloromethane	1.57	50	24848	16.97	ug/l	95
5) Vinyl Chloride	1.68	62	24175	18.37	ug/l	94
6) Bromomethane	1.98	94	21504	18.51	ug/l	90
7) Chloroethane	2.09	64	14198	18.23	ug/l	91
8) Trichlorofluoromethane	2.32	101	67312	20.42	ug/l	99
9) Diethyl Ether	2.63	74	11470	16.74	ug/l	93
10) 1,1,2-Trichlorotrifluoroet	2.90	101	42997	18.97	ug/l	97
11) Methyl Iodide	3.05	142	45037	17.06	ug/l	90
12) Tert butyl alcohol	3.67	59	10943	209.55	ug/l #	82
13) 1,1-Dichloroethene	2.88	96	34716	18.71	ug/l	98
14) Acrolein	2.79	56	11045	99.43	ug/l	85
15) Allyl chloride	3.33	41	68540	17.07	ug/l	88
16) Acrylonitrile	3.84	53	24658	84.23	ug/l	91
17) Acetone	2.94	43	34494	86.09	ug/l	94
18) Carbon Disulfide	3.13	76	129852	17.54	ug/l	99
19) Methyl Acetate	3.34	43	42805	17.82	ug/l	100
20) Methyl tert-butyl Ether	3.90	73	50766	18.08	ug/l	96
21) Methylene Chloride	3.51	84	39638	18.34	ug/l	92
22) trans-1,2-Dichloroethene	3.89	96	38261	18.06	ug/l	97
23) Diisopropyl ether	4.66	45	112876	16.85	ug/l	92
24) Vinyl Acetate	4.60	43	106397	79.61	ug/l	98
25) 1,1-Dichloroethane	4.56	63	69716	18.05	ug/l	99
26) 2-Butanone	5.46	43	39295	83.76	ug/l	100
27) 2,2-Dichloropropane	5.43	77	68714	19.01	ug/l	98
28) cis-1,2-Dichloroethene	5.44	96	40115	18.51	ug/l	82
29) Bromochloromethane	5.79	49	29583	19.37	ug/l	99
30) Chloroform	5.97	83	83731	19.21	ug/l	95
31) Cyclohexane	6.28	56	63881	16.92	ug/l	87
32) 1,1,1-Trichloroethane	6.19	97	76344	20.57	ug/l	95
36) 1,1-Dichloropropene	6.43	75	62270	18.74	ug/l	98
37) Ethyl Acetate	5.55	43	18933	18.56	ug/l	98
38) Carbon Tetrachloride	6.41	117	65041	20.65	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.09	83	63241	17.88	ug/l	95
40) Benzene	6.72	78	160735	18.99	ug/l	99
41) Methacrylonitrile	5.76	41	10718	16.54	ug/l #	86
42) 1,2-Dichloroethane	6.84	62	48625	19.76	ug/l	94
43) Isopropyl Acetate	8.42	43	24576	17.04	ug/l #	96
44) Trichloroethene	7.75	130	38420	17.71	ug/l	92
45) 1,2-Dichloropropane	8.15	63	38930	18.36	ug/l	97
46) Dibromomethane	8.28	93	22262	20.14	ug/l	93
47) Bromodichloromethane	8.56	83	57091	19.51	ug/l	100
48) Methyl methacrylate	8.09	41	42272	18.74	ug/l	96
49) 1,4-Dioxane	8.30	88	3242	443.42	ug/l #	83
51) 4-Methyl-2-Pentanone	9.49	43	93869	93.36	ug/l	95
52) Toluene	9.73	92	100965	20.00	ug/l	98
53) t-1,3-Dichloropropene	10.12	75	40919	18.47	ug/l	99
54) cis-1,3-Dichloropropene	9.23	75	54608	18.69	ug/l	94
55) 1,1,2-Trichloroethane	10.40	97	24518	20.46	ug/l	91
56) Ethyl methacrylate	10.24	69	20311	17.63	ug/l	96
57) 1,3-Dichloropropane	10.61	76	46071	20.03	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.04	63	59086	92.95	ug/l	98
59) 2-Hexanone	10.71	43	67001	93.51	ug/l	96
60) Dibromochloromethane	10.89	129	33409	20.03	ug/l	98
61) 1,2-Dibromoethane	11.02	107	23520	20.15	ug/l	93
64) Tetrachloroethene	10.48	164	39460	17.59	ug/l	98
65) Chlorobenzene	11.61	112	103070	18.72	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	38202	18.69	ug/l	98
67) Ethyl Benzene	11.74	91	210187	18.70	ug/l	96
68) m/p-Xylenes	11.89	106	134744	38.34	ug/l	93
69) o-Xylene	12.29	106	60545	19.34	ug/l	93
70) Styrene	12.32	104	104250	19.56	ug/l	99
71) Bromoform	12.51	173	20903	20.56	ug/l	97
73) Isopropylbenzene	12.67	105	184429	17.90	ug/l	96
74) N-amyl acetate	12.51	43	36365	15.93	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.99	83	28993	18.84	ug/l	93
76) 1,2,3-Trichloropropane	13.04	75	30509	18.32	ug/l	96
77) Bromobenzene	12.98	156	46132	18.15	ug/l	92
78) n-propylbenzene	13.08	91	261813	18.36	ug/l	98
79) 2-Chlorotoluene	13.16	91	142751	18.15	ug/l	98
80) 1,3,5-Trimethylbenzene	13.26	105	148606	18.56	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.74	75	7151	16.82	ug/l	95
82) 4-Chlorotoluene	13.27	91	172174	18.71	ug/l	94
83) tert-Butylbenzene	13.54	119	154308	22.89	ug/l	98
84) 1,2,4-Trimethylbenzene	13.59	105	149349	18.64	ug/l	97
85) sec-Butylbenzene	13.74	105	194410	18.71	ug/l	96
86) p-Isopropyltoluene	13.88	119	154979	18.95	ug/l	99
87) 1,3-Dichlorobenzene	13.85	146	83539	18.21	ug/l	96
88) 1,4-Dichlorobenzene	13.95	146	85080	18.76	ug/l	100
89) n-Butylbenzene	14.22	91	173216	19.00	ug/l	99
90) Hexachloroethane	14.48	117	34966	19.15	ug/l	88
91) 1,2-Dichlorobenzene	14.24	146	72603	19.36	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.89	75	3529	18.60	ug/l	87

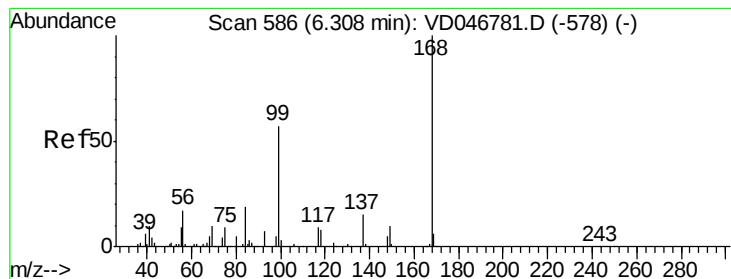
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.58	180	38972	17.50	ug/l	99
94) Hexachlorobutadiene	15.69	225	32216	17.75	ug/l	95
95) Naphthalene	15.83	128	46580	18.05	ug/l	99
96) 1,2,3-Trichlorobenzene	16.03	180	34324	18.57	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.31 min Scan# 586

Delta R.T. -0.00 min

Lab File: VD046780.D

Acq: 18 Sep 2015 12:48

Instrument :

MSVOA_D

ClientSampleId :

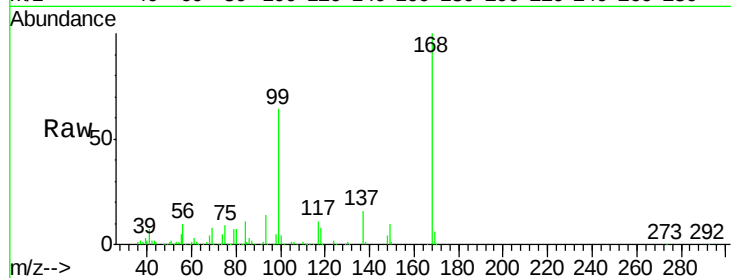
VSTDIC020

Tot Ion:168 Resp: 209685

Ion Ratio Lower Upper

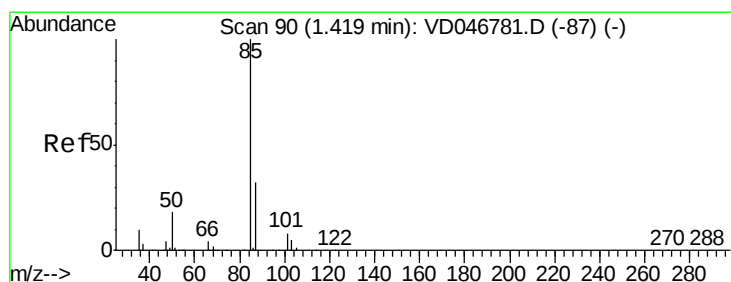
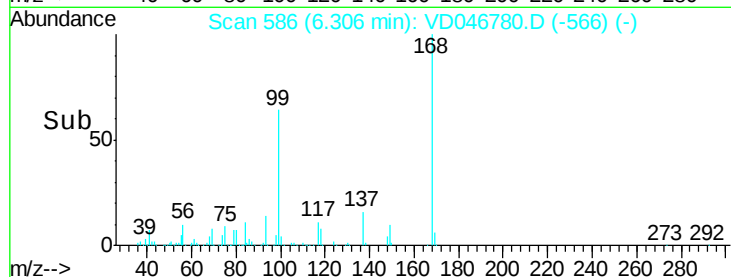
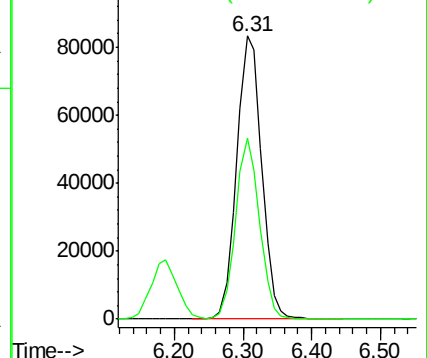
168 100

99 64.1 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: 18.92 ug/l

RT: 1.43 min Scan# 91

Delta R.T. 0.01 min

Lab File: VD046780.D

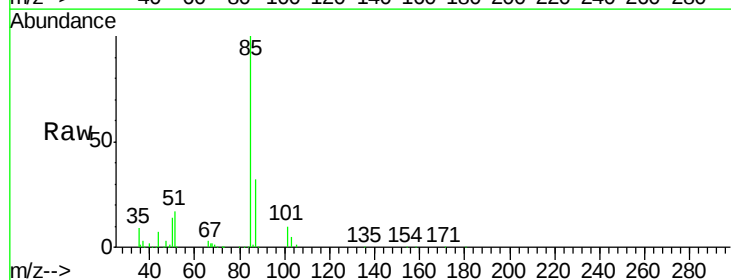
Acq: 18 Sep 2015 12:48

Tgt Ion: 85 Resp: 45690

Ion Ratio Lower Upper

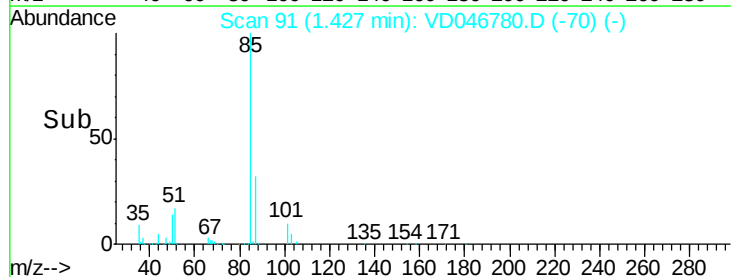
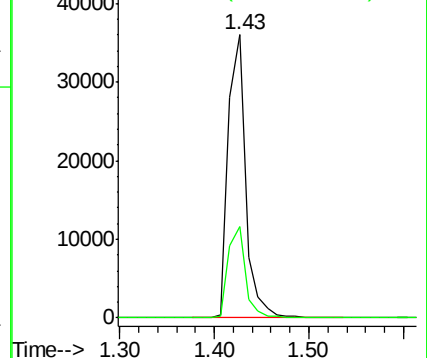
85 100

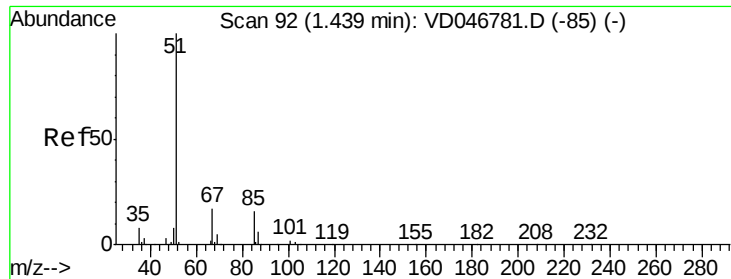
87 32.3 16.2 48.5



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chlorodifluoromethane

Concen: 17.84 ug/l

RT: 1.44 min Scan# 92

Delta R.T. -0.00 min

Lab File: VD046780.D

Acq: 18 Sep 2015 12:48

Instrument :

MSVOA_D

ClientSampleId :

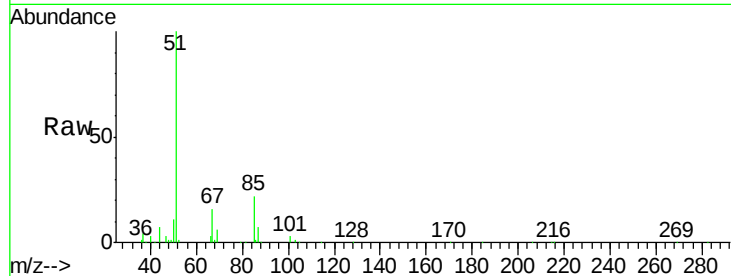
VSTDIC020

Tot Ion: 51 Resp: 38035

Ion Ratio Lower Upper

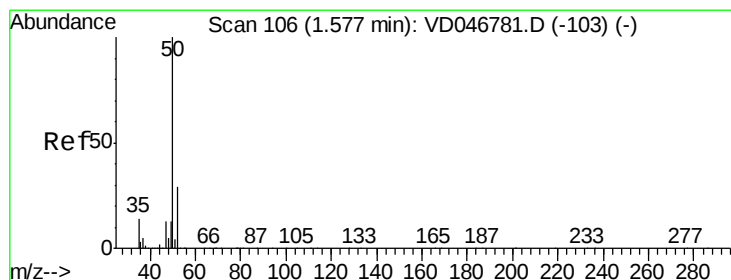
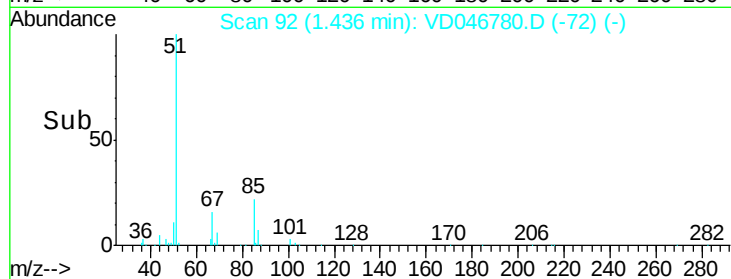
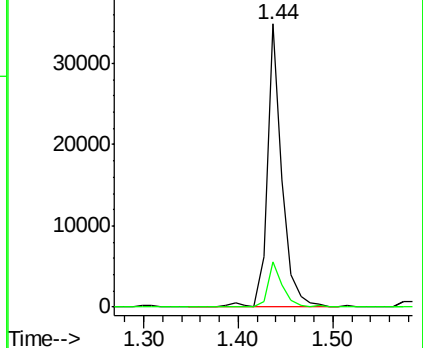
51 100

67 16.2 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: 16.97 ug/l

RT: 1.57 min Scan# 106

Delta R.T. -0.00 min

Lab File: VD046780.D

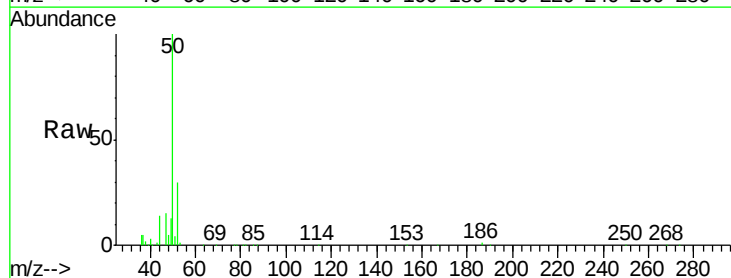
Acq: 18 Sep 2015 12:48

Tgt Ion: 50 Resp: 24848

Ion Ratio Lower Upper

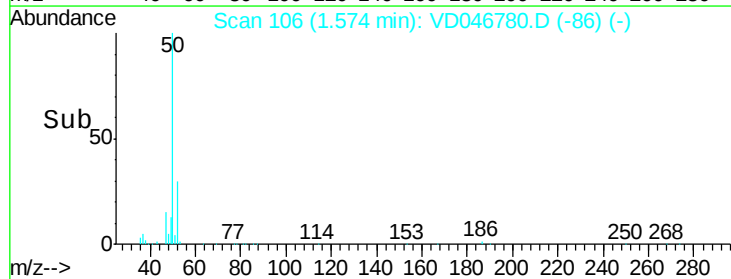
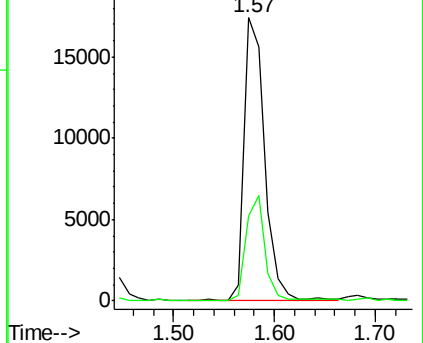
50 100

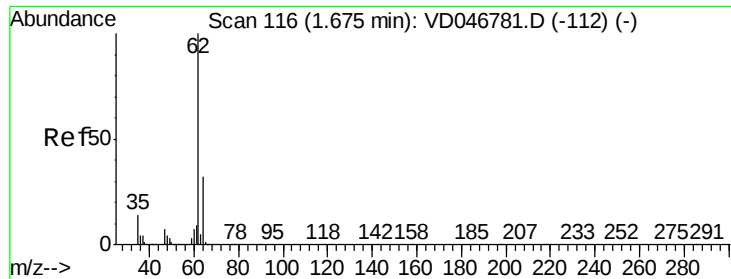
52 30.1 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC





#5

Vinyl Chloride

Concen: 18.37 ug/l

RT: 1.68 min Scan# 117

Delta R.T. 0.01 min

Lab File: VD046780.D

Acq: 18 Sep 2015 12:48

Instrument :

MSVOA_D

ClientSampleId :

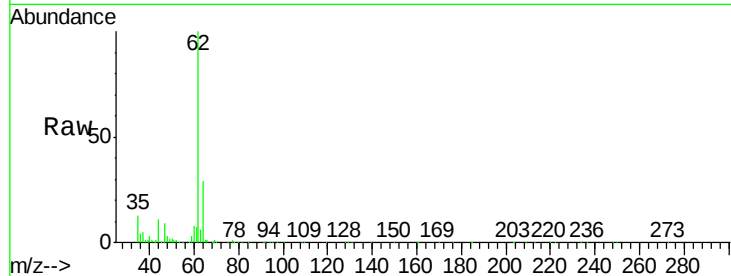
VSTDIC020

Tot Ion: 62 Resp: 24175

Ion Ratio Lower Upper

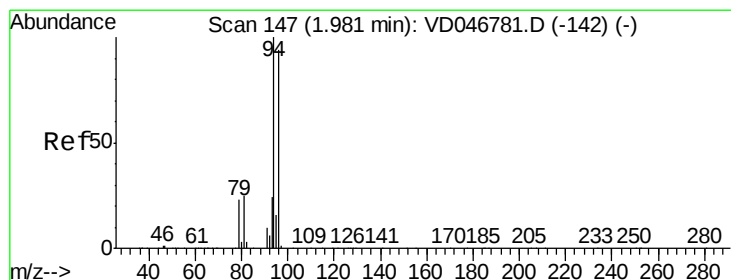
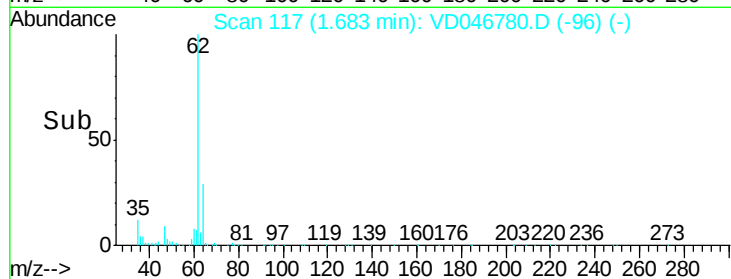
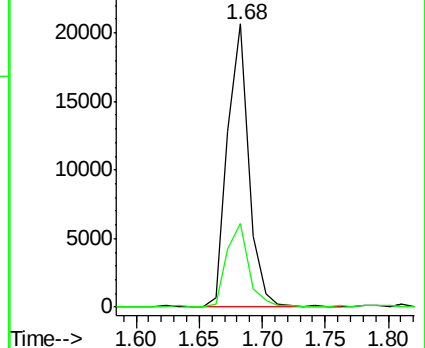
62 100

64 29.4 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: 18.51 ug/l

RT: 1.98 min Scan# 147

Delta R.T. -0.00 min

Lab File: VD046780.D

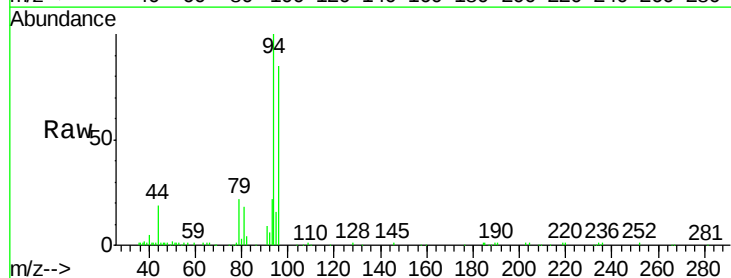
Acq: 18 Sep 2015 12:48

Tgt Ion: 94 Resp: 21504

Ion Ratio Lower Upper

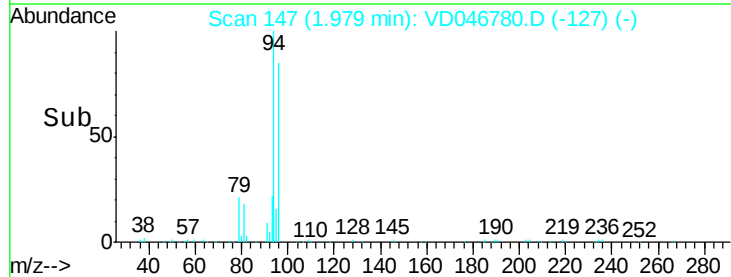
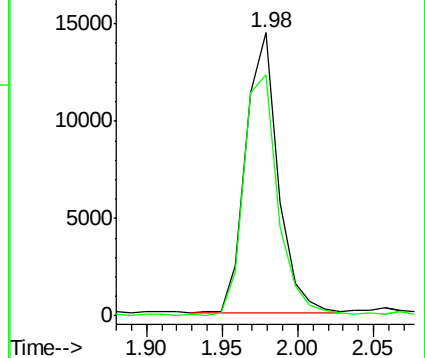
94 100

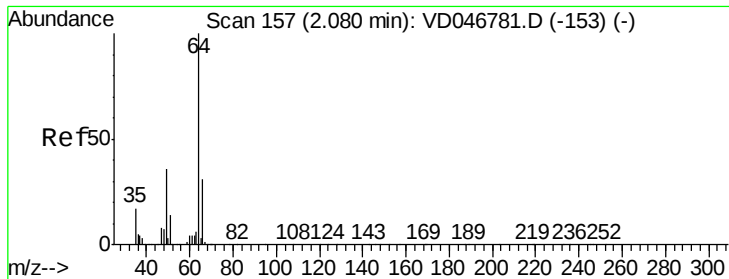
96 85.0 76.0 114.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC





#7

Chloroethane

Concen: 18.23 ug/l

RT: 2.09 min Scan# 158

Delta R.T. 0.01 min

Lab File: VD046780.D

Acq: 18 Sep 2015 12:48

Instrument :

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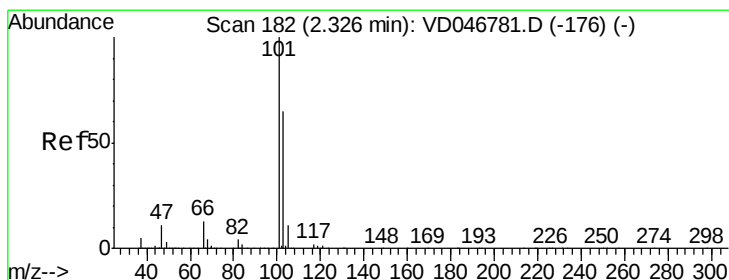
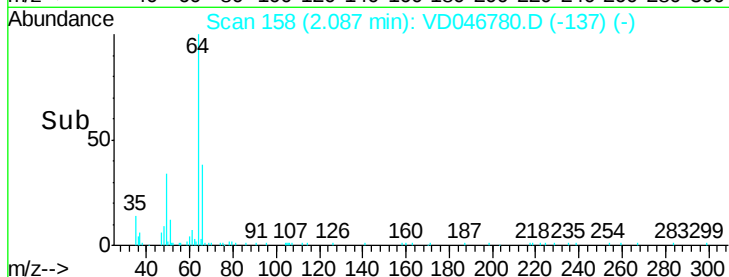
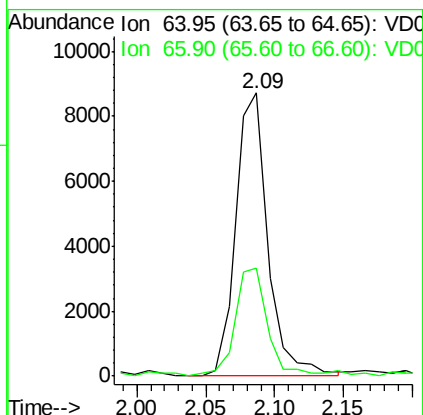
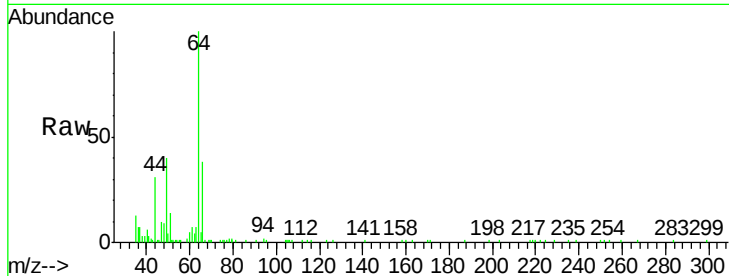
VSTDIC020

Tot Ion: 64 Resp: 14198

Ion Ratio Lower Upper

64 100

66 38.0 26.6 39.8



#8

Trichlorofluoromethane

Concen: 20.42 ug/l

RT: 2.32 min Scan# 182

Delta R.T. -0.00 min

Lab File: VD046780.D

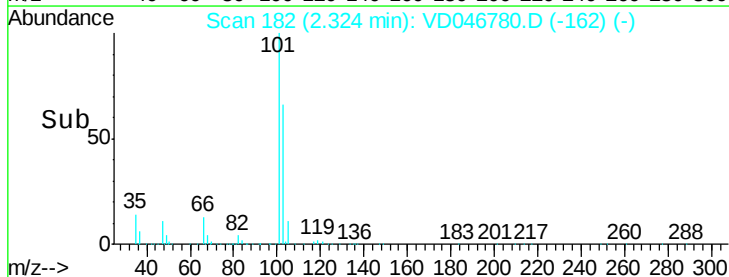
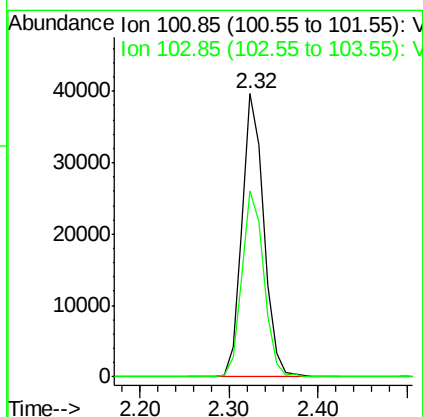
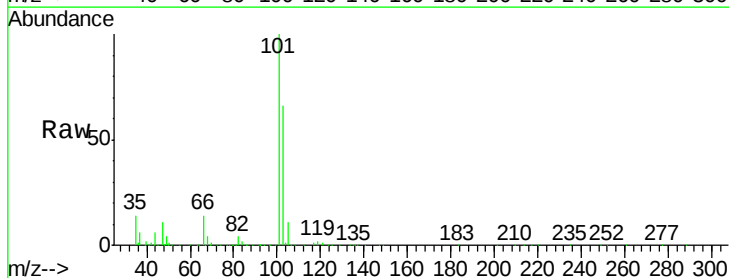
Acq: 18 Sep 2015 12:48

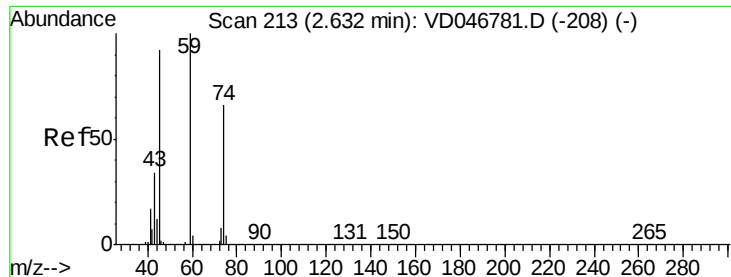
Tgt Ion: 101 Resp: 67312

Ion Ratio Lower Upper

101 100

103 65.6 53.2 79.8





#9

Diethyl Ether

Concen: 16.74 ug/l

RT: 2.63 min Scan# 213

Delta R.T. -0.00 min

Lab File: VD046780.D

Acq: 18 Sep 2015 12:48

Instrument :

MSVOA_D

ClientSampleId :

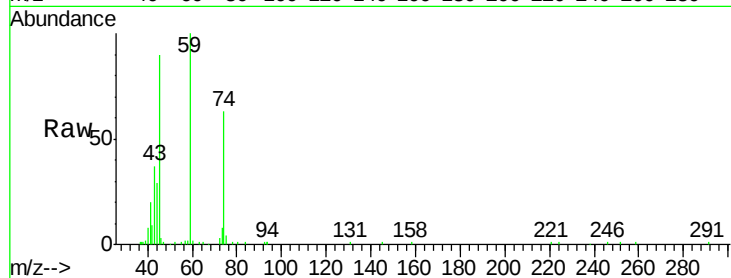
VSTDIC020

Tot Ion: 74 Resp: 11470

Ion Ratio Lower Upper

74 100

45 143.2 76.2 228.6

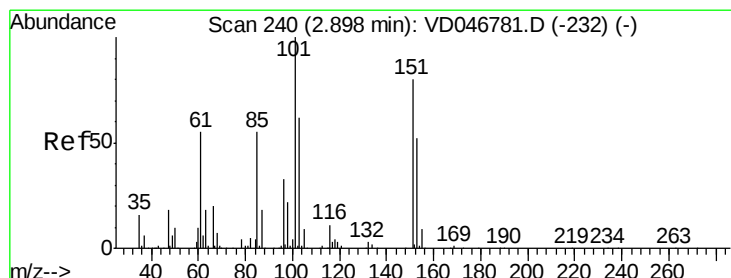
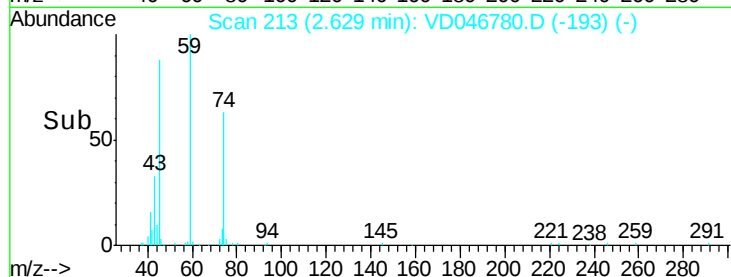


Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC

2.63

Time-->



#10

1,1,2-Trichlorotrifluoroethane

Concen: 18.97 ug/l

RT: 2.90 min Scan# 240

Delta R.T. -0.00 min

Lab File: VD046780.D

Acq: 18 Sep 2015 12:48

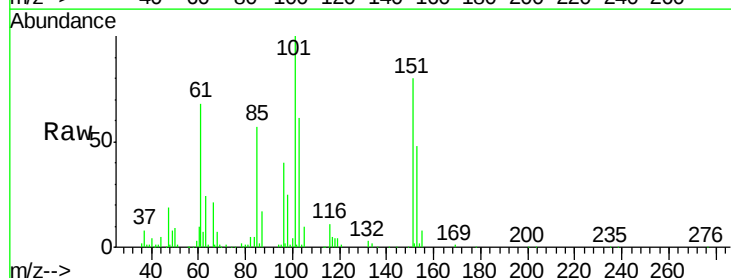
Tgt Ion: 101 Resp: 42997

Ion Ratio Lower Upper

101 100

85 57.3 42.0 63.0

151 80.5 65.2 97.8



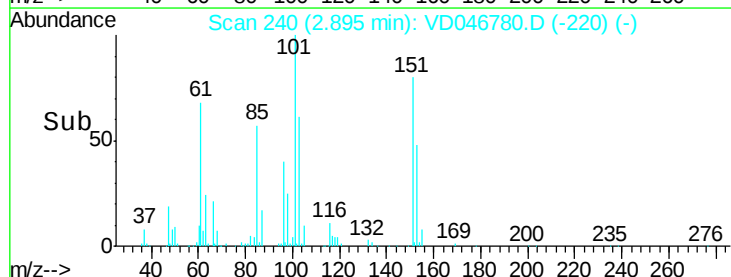
Abundance Ion 100.85 (100.55 to 101.55): V

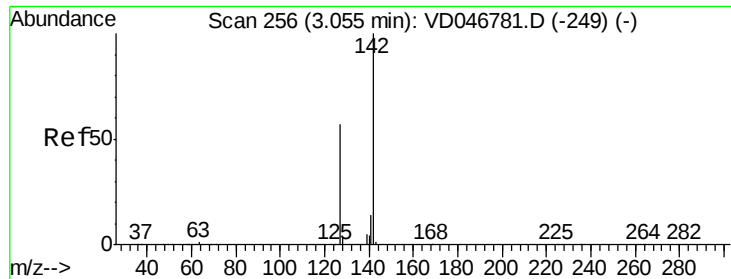
Ion 84.95 (84.65 to 85.65): VDC

Ion 150.90 (150.60 to 151.60): V

2.90

Time-->

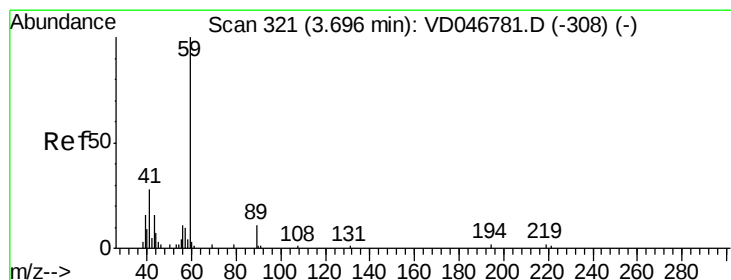
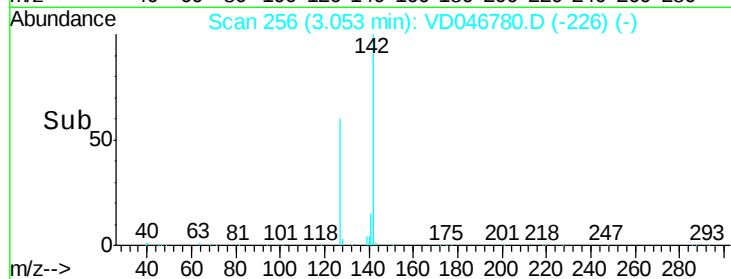
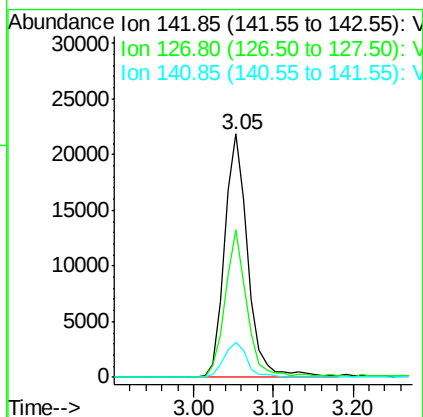
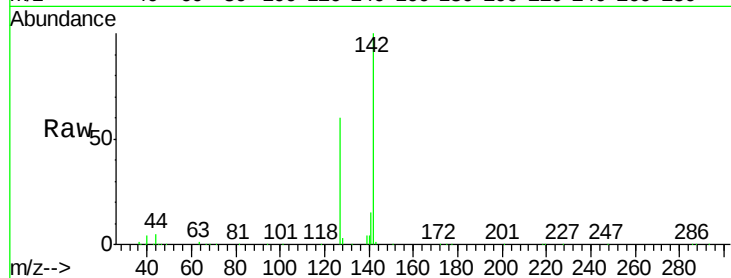




#11
Methvl Iodide
Concen: 17.06 ug/l
RT: 3.05 min Scan# 256
Delta R.T. -0.00 min
Lab File: VD046780.D
Acq: 18 Sep 2015 12:48

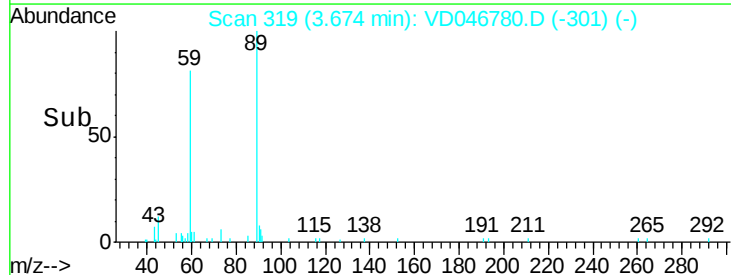
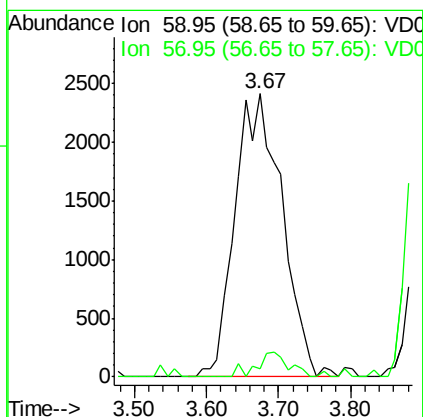
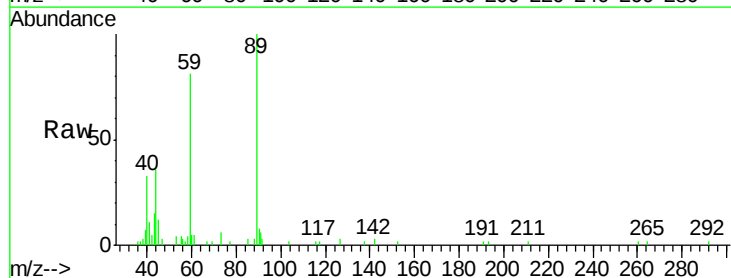
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

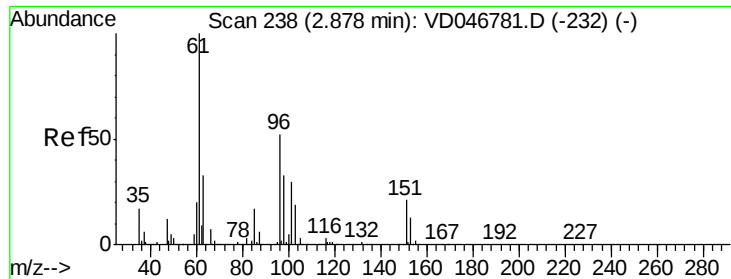
Tot Ion:142 Resp: 45037
Ion Ratio Lower Upper
142 100
127 60.4 41.2 61.8
141 14.5 11.6 17.4



#12
Tert butyl alcohol
Concen: 209.55 ug/l
RT: 3.67 min Scan# 319
Delta R.T. -0.02 min
Lab File: VD046780.D
Acq: 18 Sep 2015 12:48

Tgt Ion: 59 Resp: 10943
Ion Ratio Lower Upper
59 100
57 3.0 7.8 11.6#

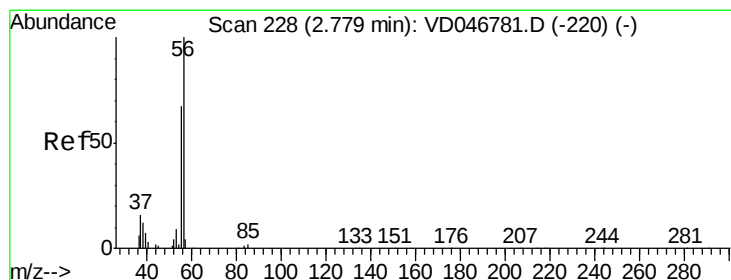
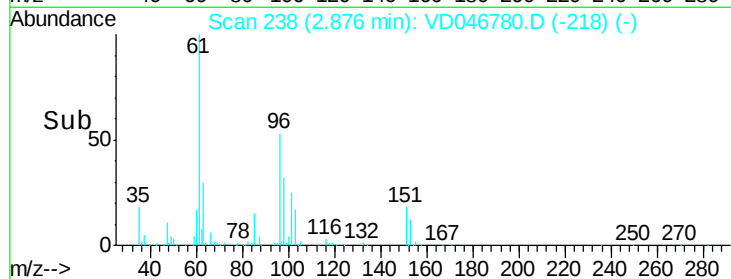
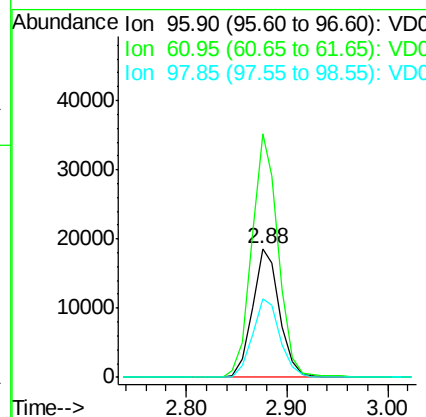
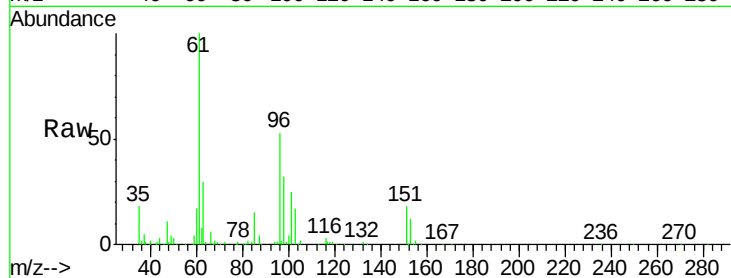




#13
 1,1-Dichloroethene
 Concen: 18.71 ug/l
 RT: 2.88 min Scan# 238
 Delta R.T. -0.00 min
 Lab File: VD046780.D
 Acq: 18 Sep 2015 12:48

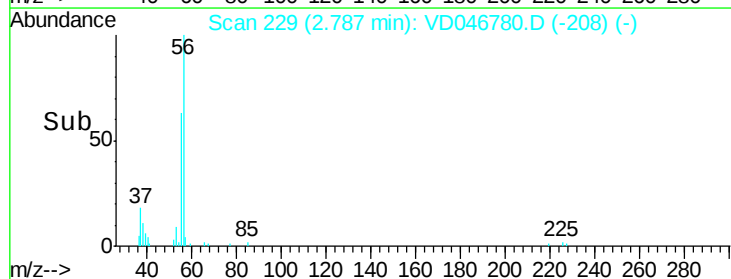
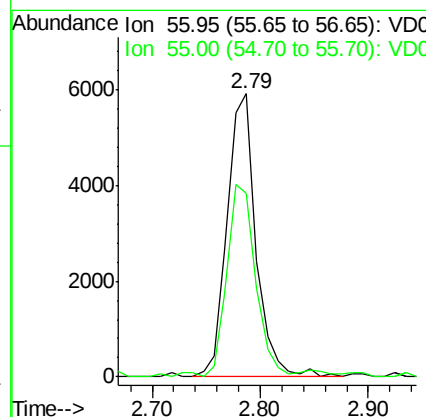
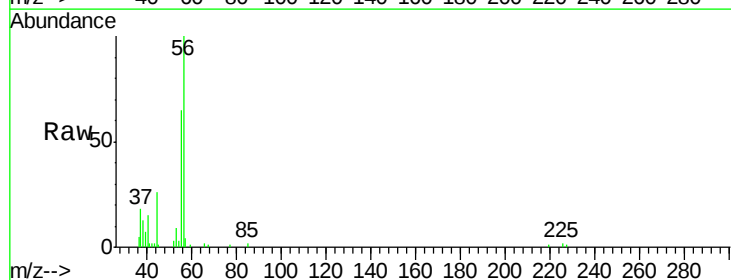
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

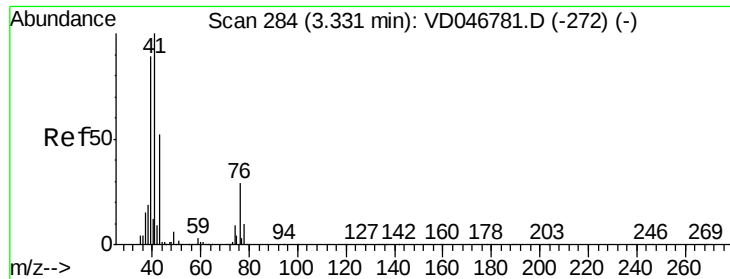
Tot Ion: 96 Resp: 34716
 Ion Ratio Lower Upper
 96 100
 61 189.0 152.2 228.4
 98 60.8 51.2 76.8



#14
 Acrolein
 Concen: 99.43 ug/l
 RT: 2.79 min Scan# 229
 Delta R.T. 0.01 min
 Lab File: VD046780.D
 Acq: 18 Sep 2015 12:48

Tgt Ion: 56 Resp: 11045
 Ion Ratio Lower Upper
 56 100
 55 64.8 62.6 93.8





#15

Allvl chloride

Concen: 17.07 ug/l

RT: 3.33 min Scan# 284

Delta R.T. -0.00 min

Lab File: VD046780.D

Acq: 18 Sep 2015 12:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

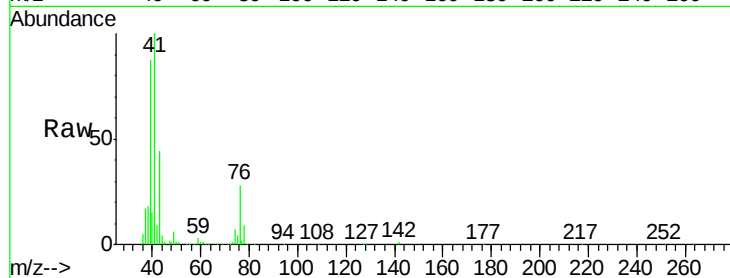
Tot Ion: 41 Resp: 68540

Ion Ratio Lower Upper

41 100

39 87.2 58.8 88.2

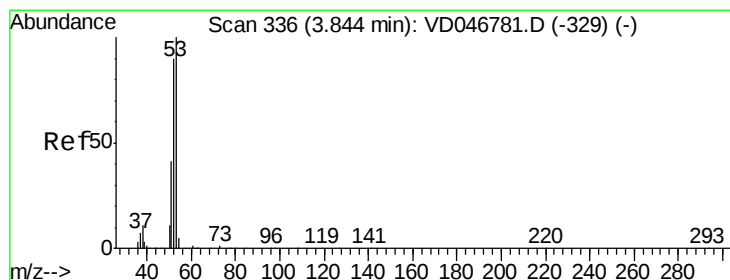
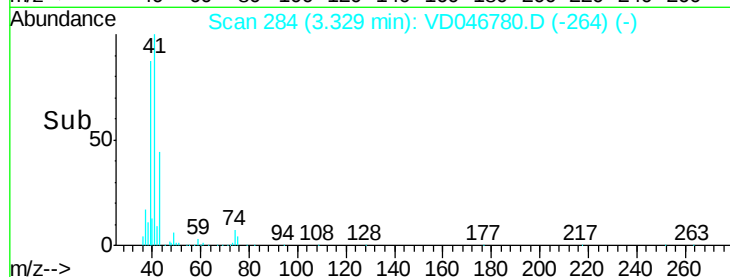
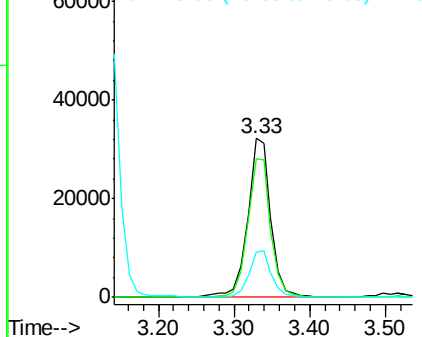
76 28.4 22.7 34.1



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC



#16

Acrylonitrile

Concen: 84.23 ug/l

RT: 3.84 min Scan# 336

Delta R.T. -0.00 min

Lab File: VD046780.D

Acq: 18 Sep 2015 12:48

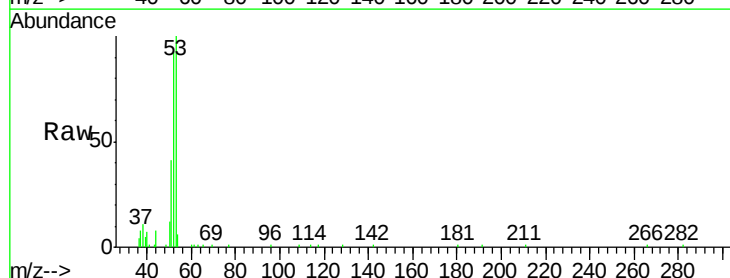
Tgt Ion: 53 Resp: 24658

Ion Ratio Lower Upper

53 100

52 93.2 66.8 100.2

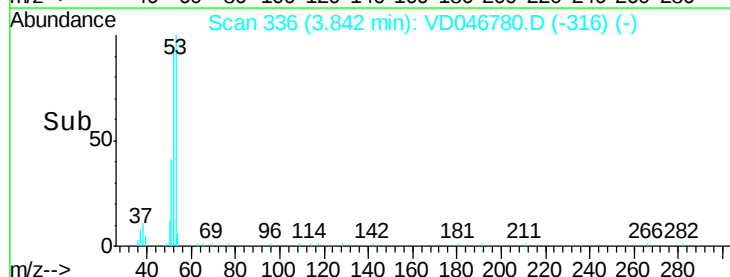
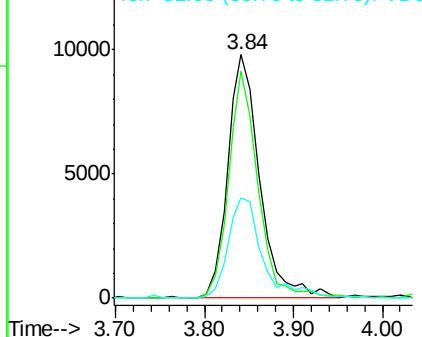
51 41.4 31.2 46.8

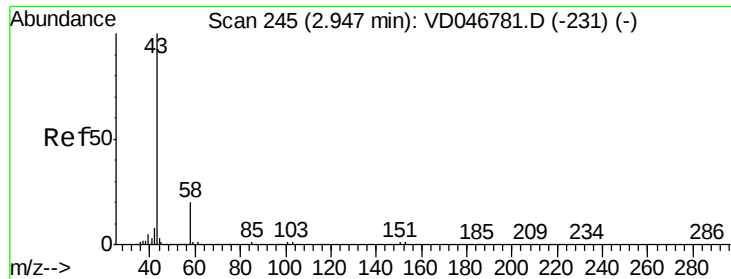


Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC





#17

Acetone

Concen: 86.09 ug/l

RT: 2.94 min Scan# 245

Delta R.T. -0.00 min

Lab File: VD046780.D

Acq: 18 Sep 2015 12:48

Instrument :

MSVOA_D

ClientSampleId :

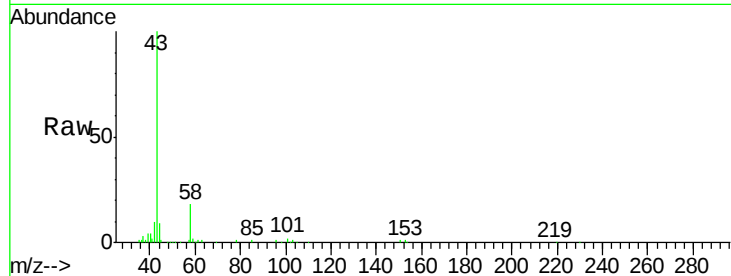
VSTDIC020

Tot Ion: 43 Resp: 34494

Ion Ratio Lower Upper

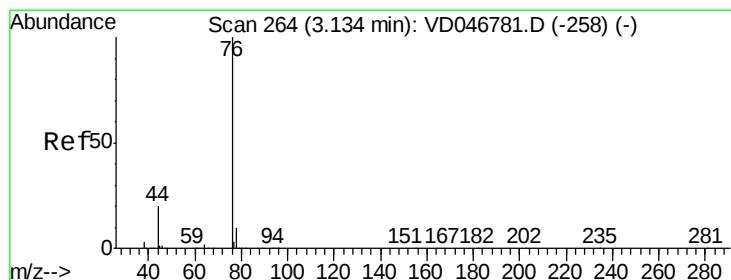
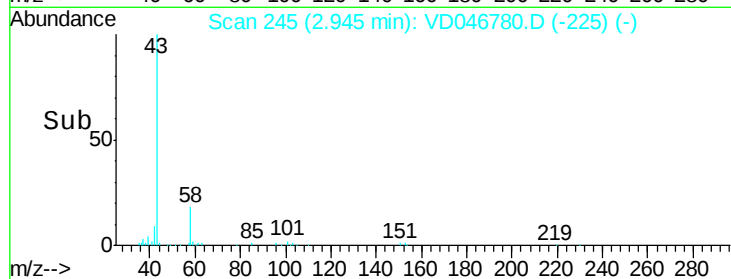
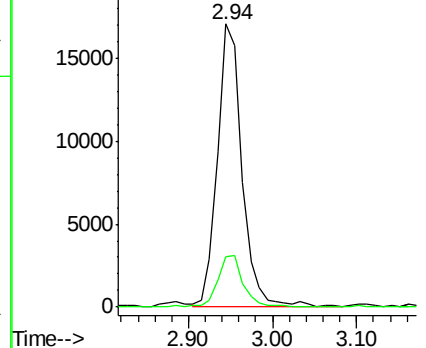
43 100

58 18.0 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: 17.54 ug/l

RT: 3.13 min Scan# 264

Delta R.T. -0.00 min

Lab File: VD046780.D

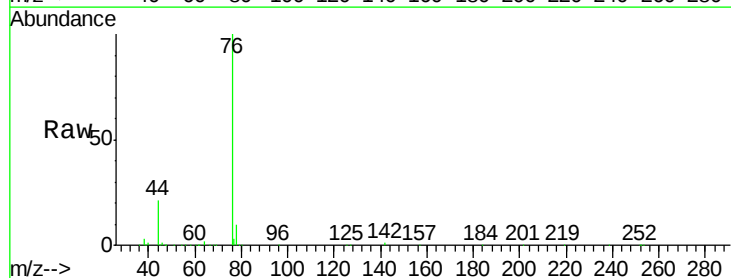
Acq: 18 Sep 2015 12:48

Tgt Ion: 76 Resp: 129852

Ion Ratio Lower Upper

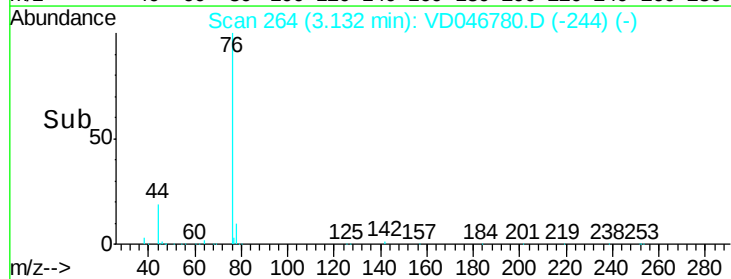
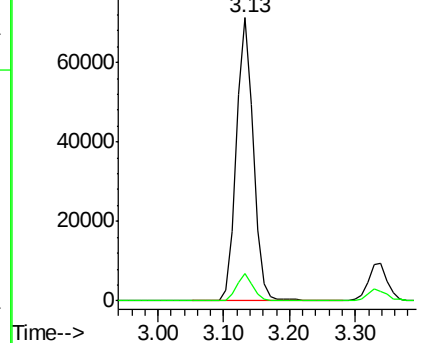
76 100

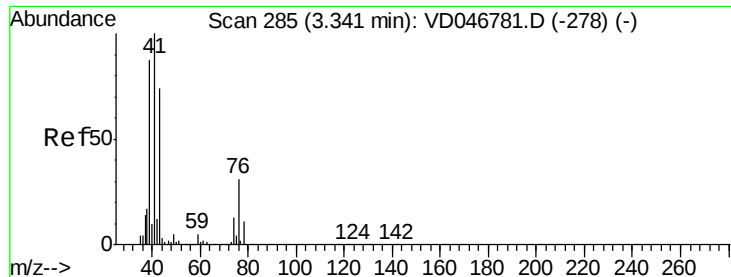
78 9.6 8.0 12.0



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

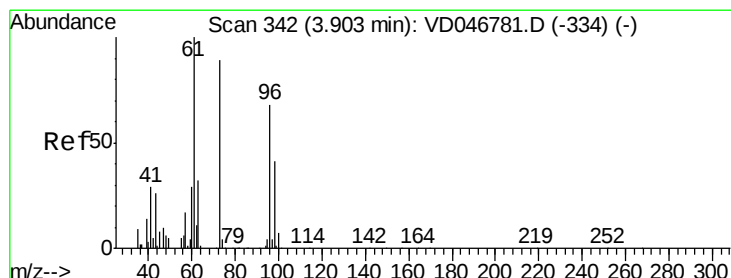
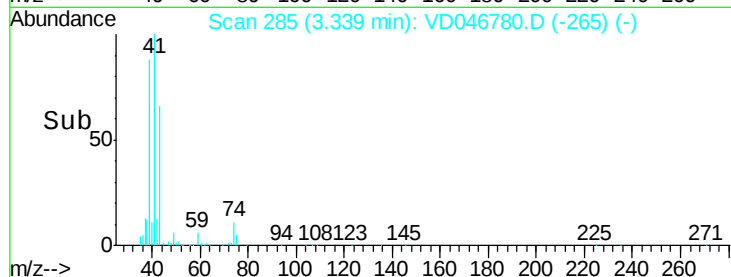
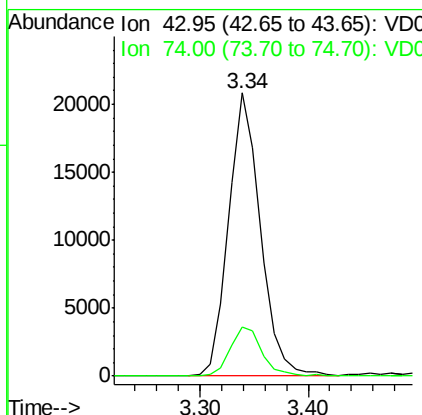
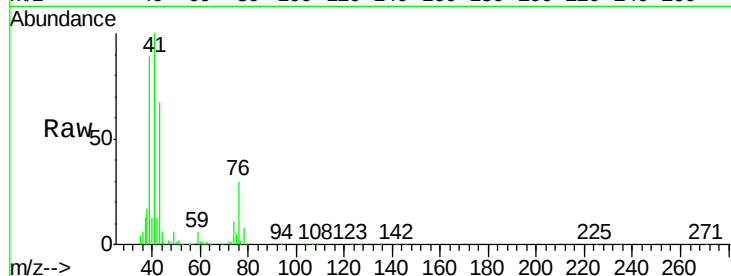




#19
Methvl Acetate
Concen: 17.82 ug/l
RT: 3.34 min Scan# 285
Delta R.T. -0.00 min
Lab File: VD046780.D
Acq: 18 Sep 2015 12:48

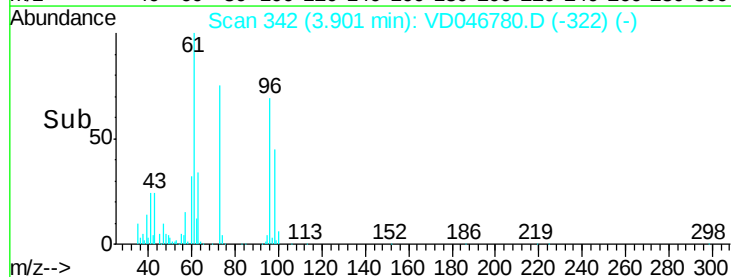
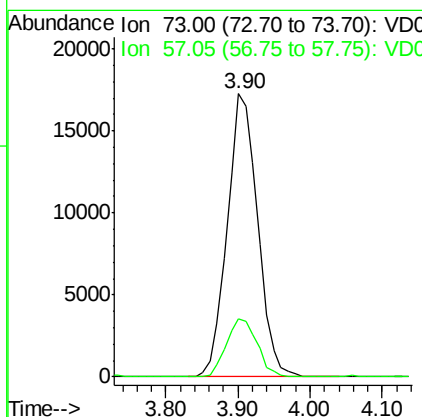
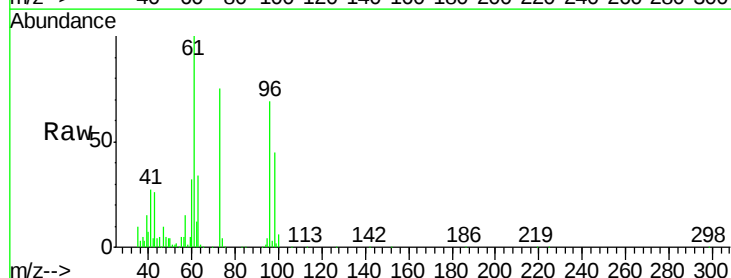
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

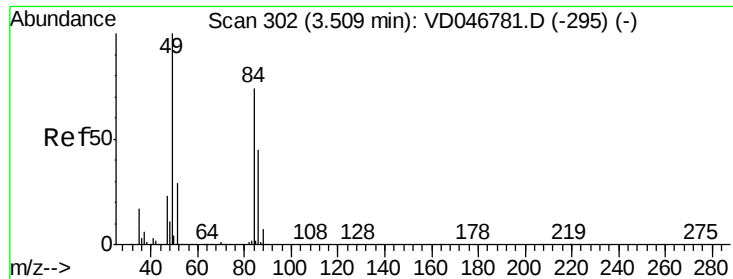
Tot Ion: 43 Resp: 42805
Ion Ratio Lower Upper
43 100
74 17.2 13.7 20.5



#20
Methyl tert-butyl Ether
Concen: 18.08 ug/l
RT: 3.90 min Scan# 342
Delta R.T. -0.00 min
Lab File: VD046780.D
Acq: 18 Sep 2015 12:48

Tgt Ion: 73 Resp: 50766
Ion Ratio Lower Upper
73 100
57 20.6 18.1 27.1

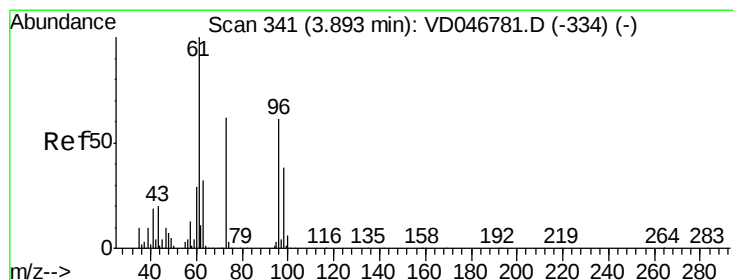
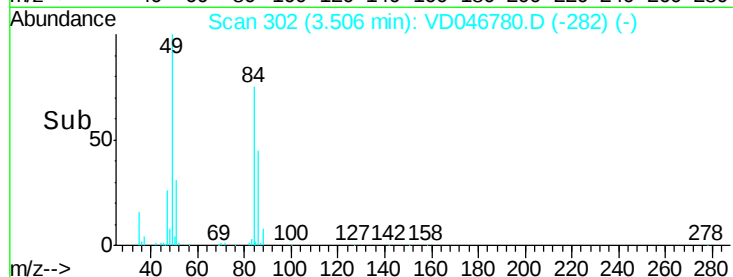
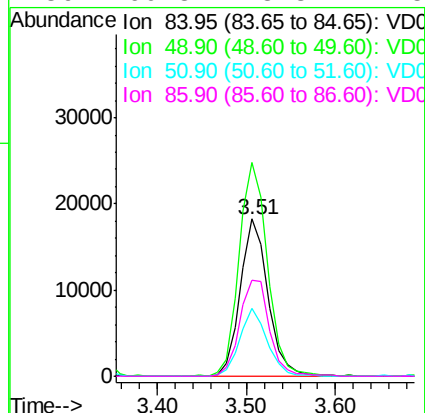
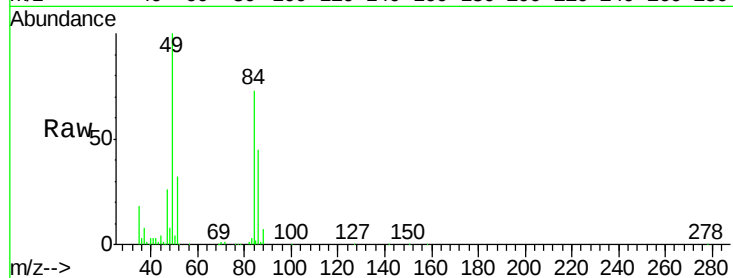




#21
Methvlene Chloride
Concen: 18.34 ug/l
RT: 3.51 min Scan# 302
Delta R.T. -0.00 min
Lab File: VD046780.D
Acq: 18 Sep 2015 12:48

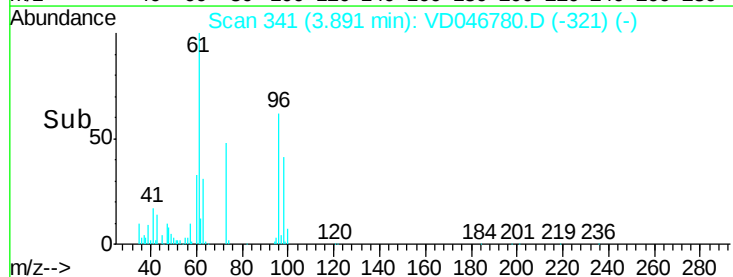
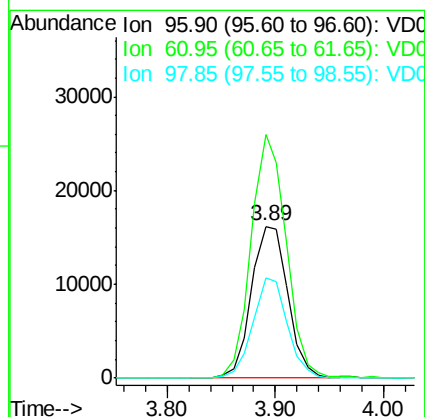
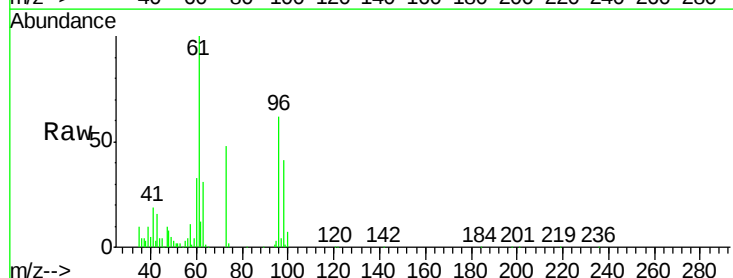
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

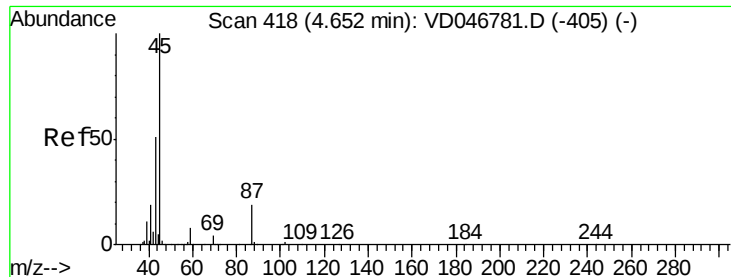
Tot Ion:	84	Resp:	39638
Ion	Ratio	Lower	Upper
84	100		
49	136.1	122.1	183.1
51	43.1	33.6	50.4
86	60.8	48.3	72.5



#22
trans-1,2-Dichloroethene
Concen: 18.06 ug/l
RT: 3.89 min Scan# 341
Delta R.T. -0.00 min
Lab File: VD046780.D
Acq: 18 Sep 2015 12:48

Tgt Ion:	96	Resp:	38261
Ion	Ratio	Lower	Upper
96	100		
61	160.6	125.8	188.6
98	66.1	54.5	81.7





#23

Diisopropyl ether

Concen: 16.85 ug/l

RT: 4.66 min Scan# 419

Delta R.T. 0.01 min

Lab File: VD046780.D

Acq: 18 Sep 2015 12:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 45 Resp: 112876

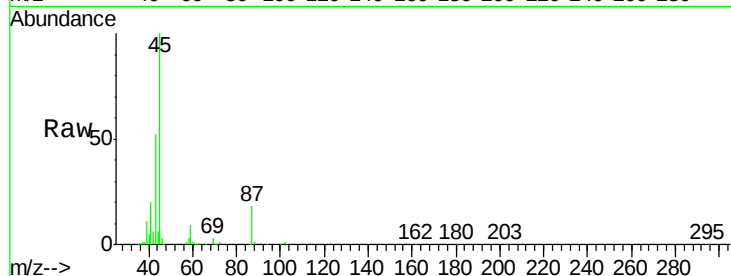
Ion Ratio Lower Upper

45 100

43 52.0 35.9 53.9

87 18.5 13.0 19.6

59 9.0 7.0 10.6

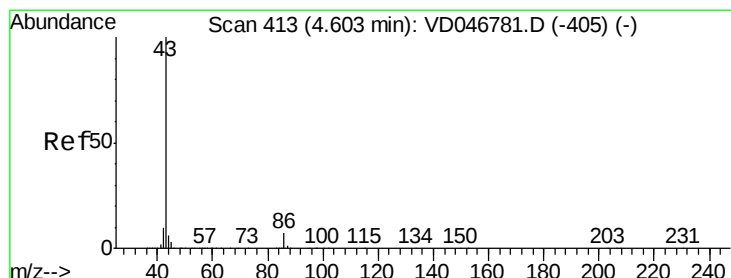
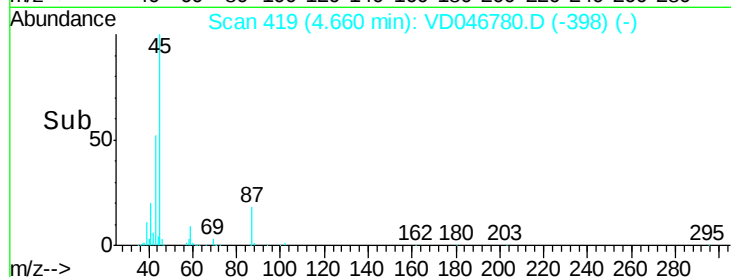
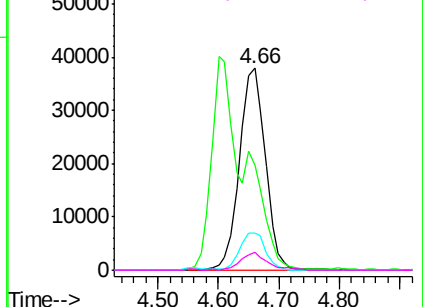


Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC



#24

Vinyl Acetate

Concen: 79.61 ug/l

RT: 4.60 min Scan# 413

Delta R.T. -0.00 min

Lab File: VD046780.D

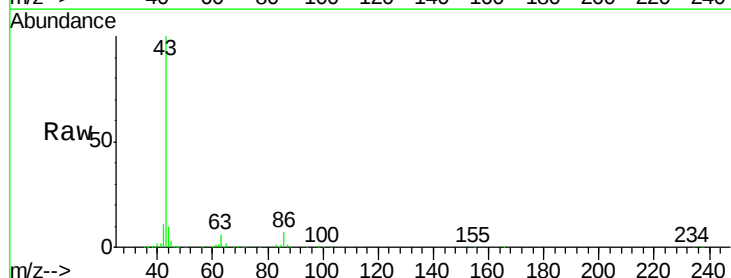
Acq: 18 Sep 2015 12:48

Tgt Ion: 43 Resp: 106397

Ion Ratio Lower Upper

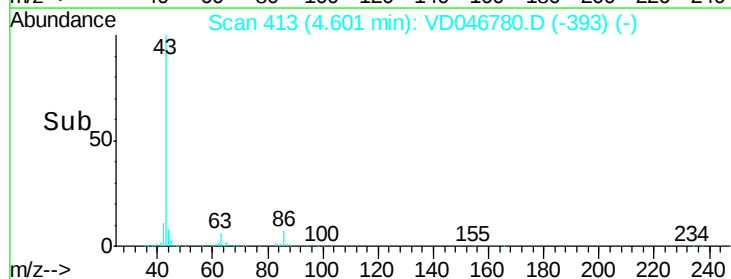
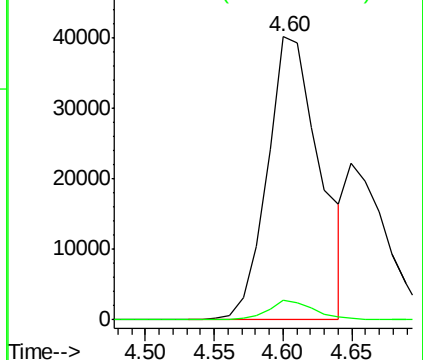
43 100

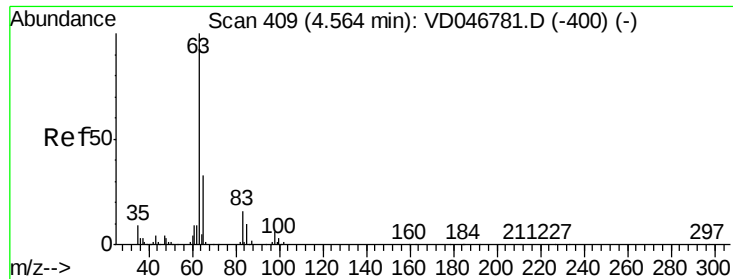
86 6.9 4.9 7.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC





#25

1,1-Dichloroethane

Concen: 18.05 ug/l

RT: 4.56 min Scan# 409

Delta R.T. -0.00 min

Lab File: VD046780.D

Acq: 18 Sep 2015 12:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

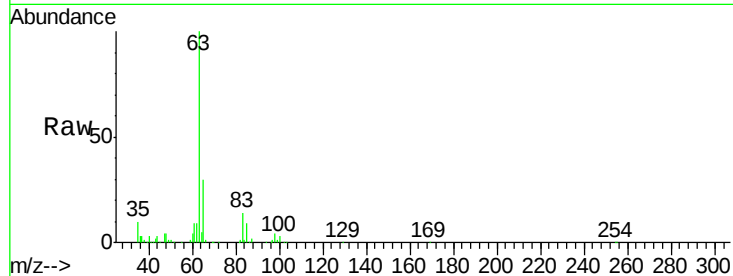
Tot Ion: 63 Resp: 69716

Ion Ratio Lower Upper

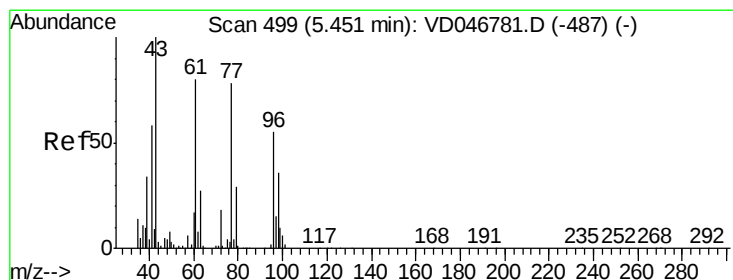
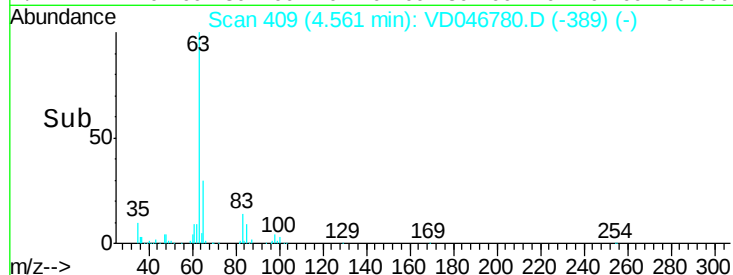
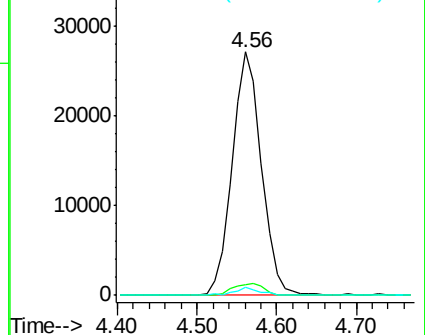
63 100

98 4.4 2.5 7.5

100 3.2 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: 83.76 ug/l

RT: 5.46 min Scan# 500

Delta R.T. 0.01 min

Lab File: VD046780.D

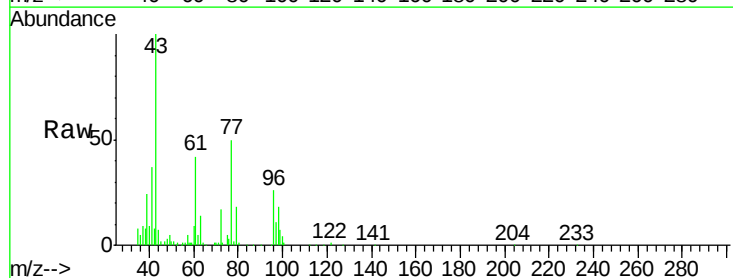
Acq: 18 Sep 2015 12:48

Tgt Ion: 43 Resp: 39295

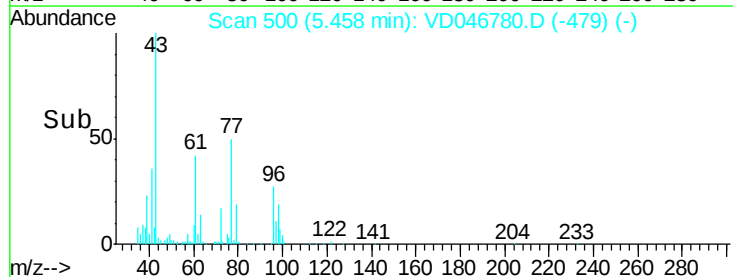
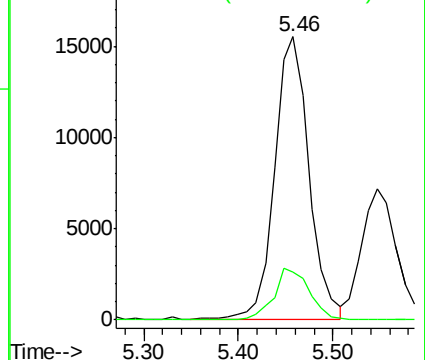
Ion Ratio Lower Upper

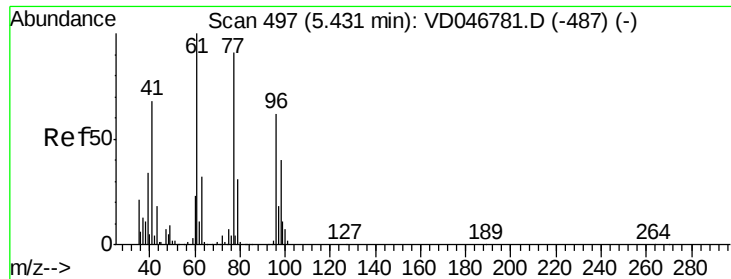
43 100

72 16.9 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: 19.01 ug/l

RT: 5.43 min Scan# 497

Delta R.T. -0.00 min

Lab File: VD046780.D

Acq: 18 Sep 2015 12:48

Instrument :

MSVOA_D

ClientSampleId :

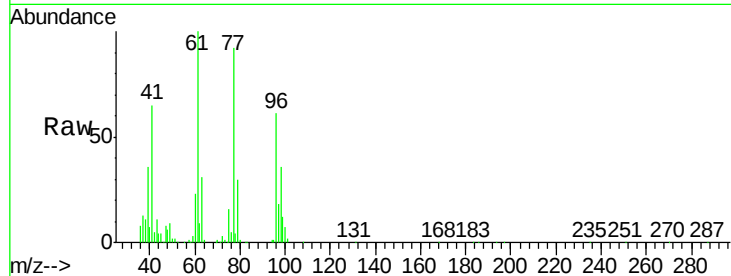
VSTDIC020

Tot Ion: 77 Resp: 68714

Ion Ratio Lower Upper

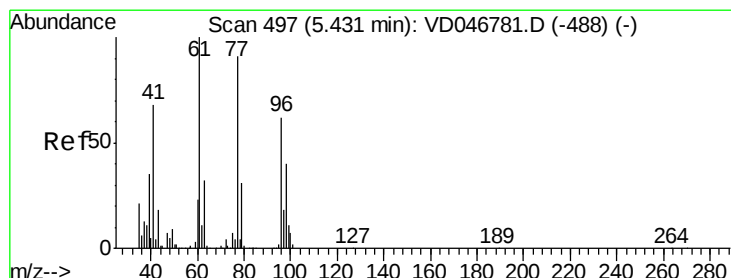
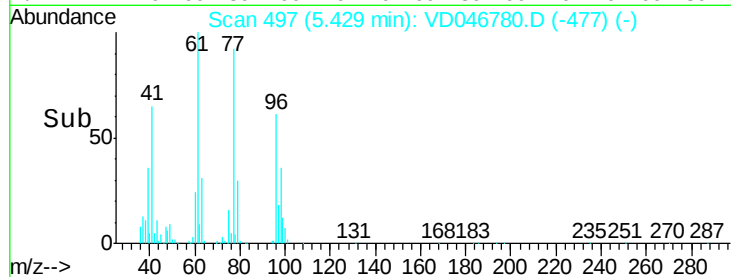
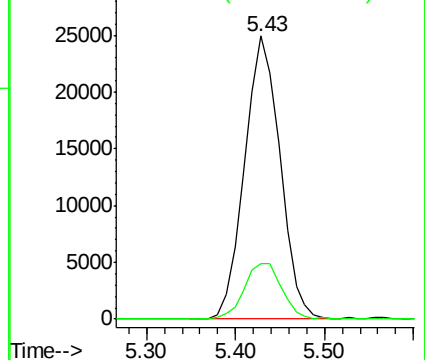
77 100

97 19.7 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: 18.51 ug/l

RT: 5.44 min Scan# 498

Delta R.T. 0.01 min

Lab File: VD046780.D

Acq: 18 Sep 2015 12:48

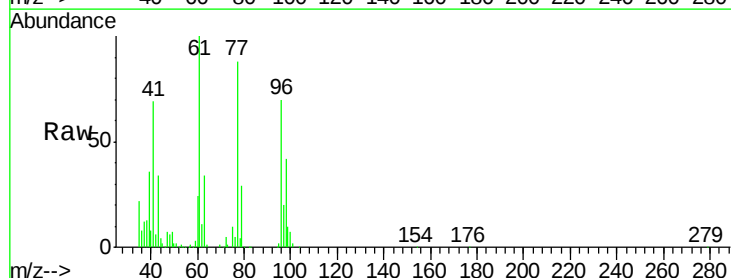
Tgt Ion: 96 Resp: 40115

Ion Ratio Lower Upper

96 100

61 143.3 0.0 348.0

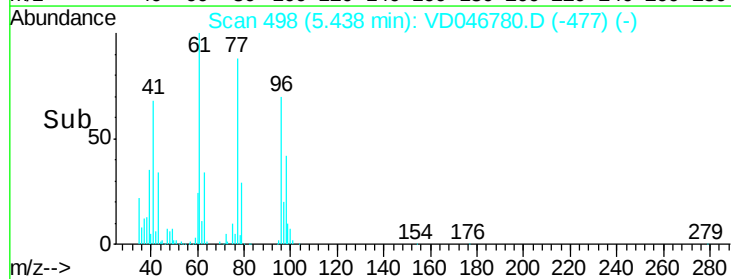
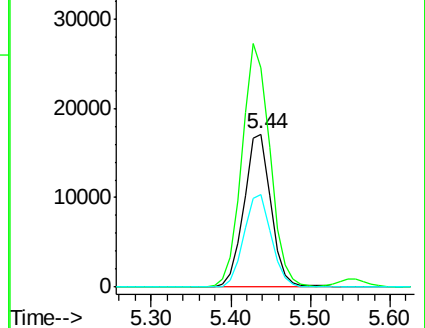
98 60.3 0.0 128.8

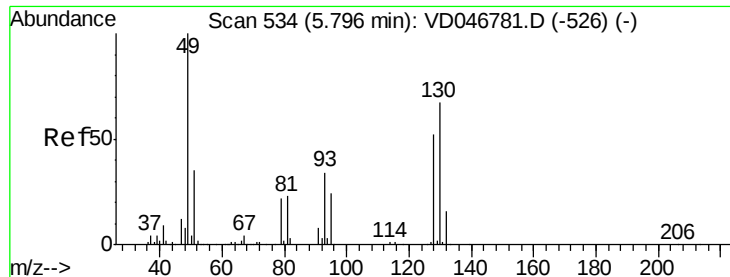


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#29

Bromochloromethane

Concen: 19.37 ug/l

RT: 5.79 min Scan# 534

Delta R.T. -0.00 min

Lab File: VD046780.D

Acq: 18 Sep 2015 12:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

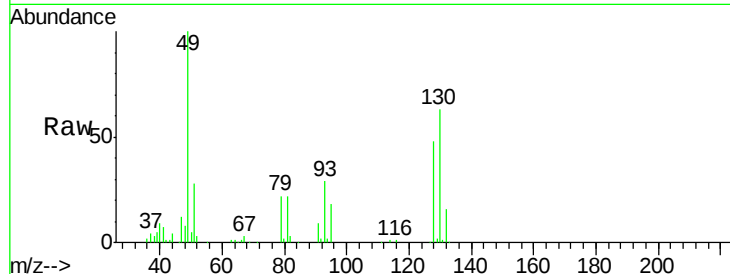
Tot Ion: 49 Resp: 29583

Ion Ratio Lower Upper

49 100

129 2.2 0.0 2.8

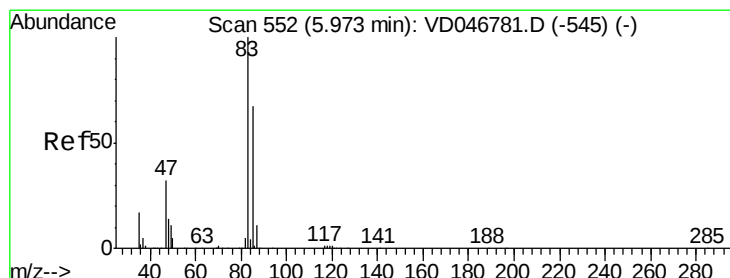
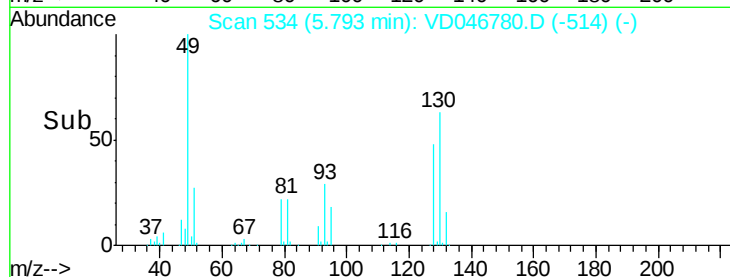
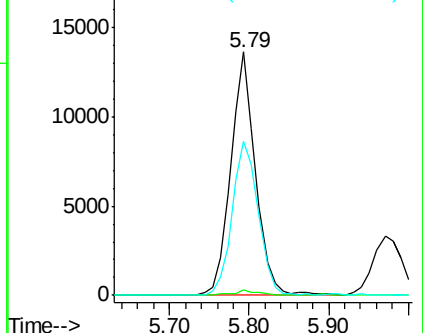
130 63.4 50.2 75.4



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: 19.21 ug/l

RT: 5.97 min Scan# 552

Delta R.T. -0.00 min

Lab File: VD046780.D

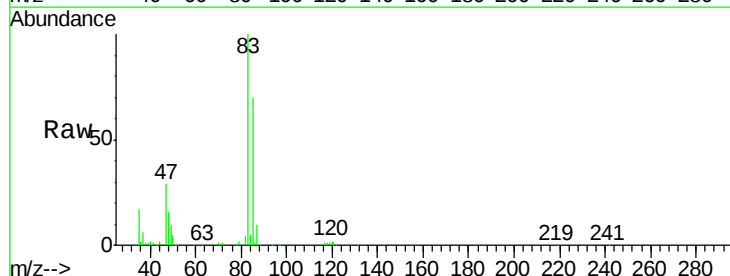
Acq: 18 Sep 2015 12:48

Tgt Ion: 83 Resp: 83731

Ion Ratio Lower Upper

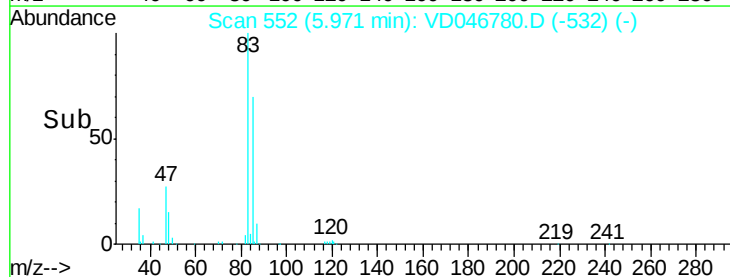
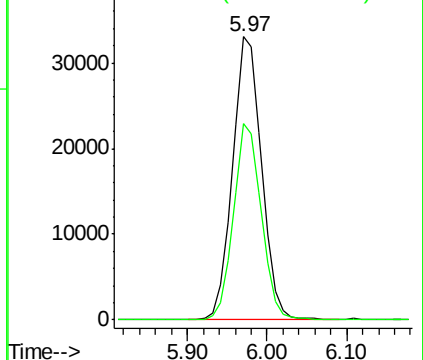
83 100

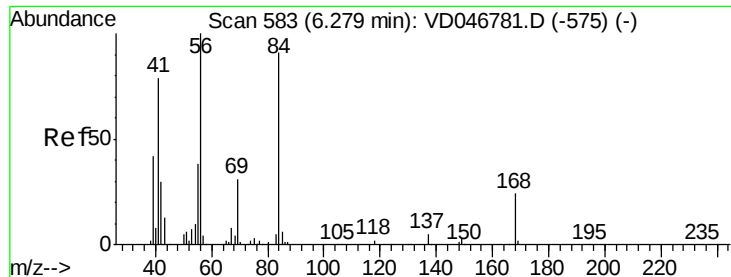
85 69.5 52.5 78.7



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC





#31

Cyclohexane

Concen: 16.92 ug/l

RT: 6.28 min Scan# 583

Delta R.T. -0.00 min

Lab File: VD046780.D

Acq: 18 Sep 2015 12:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

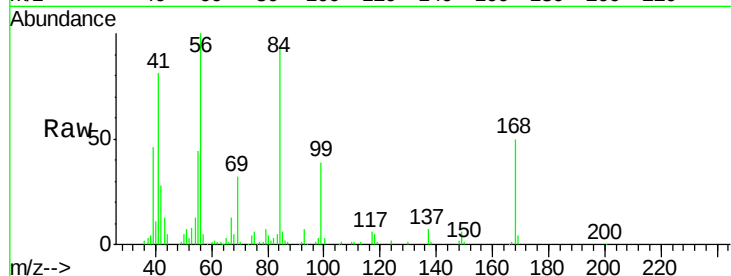
Tot Ion: 56 Resp: 63881

Ion Ratio Lower Upper

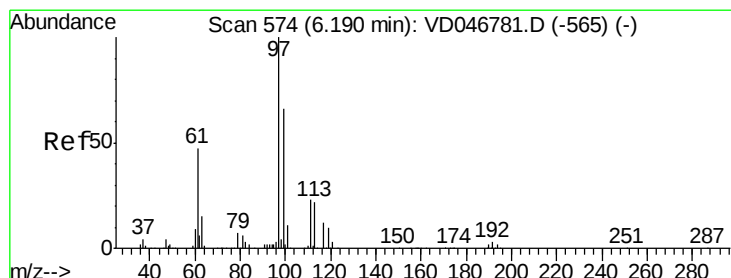
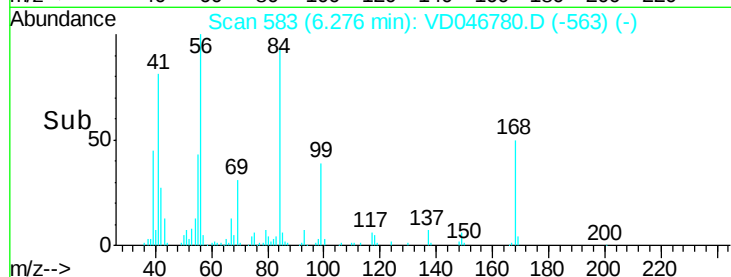
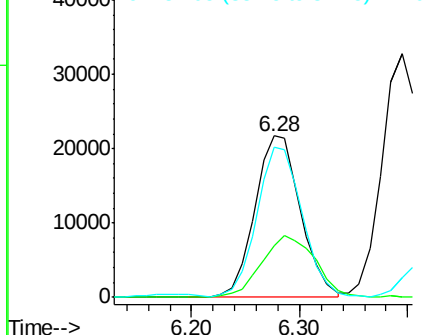
56 100

69 31.9 23.4 35.0

84 93.4 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: 20.57 ug/l

RT: 6.19 min Scan# 574

Delta R.T. -0.00 min

Lab File: VD046780.D

Acq: 18 Sep 2015 12:48

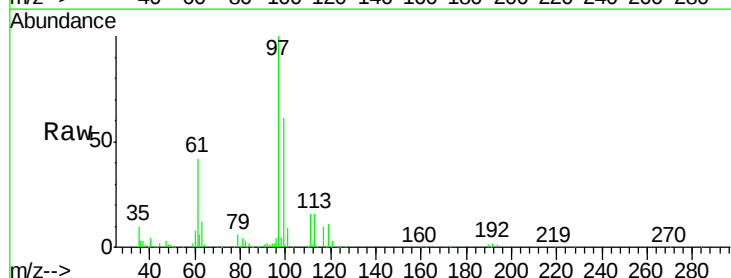
Tgt Ion: 97 Resp: 76344

Ion Ratio Lower Upper

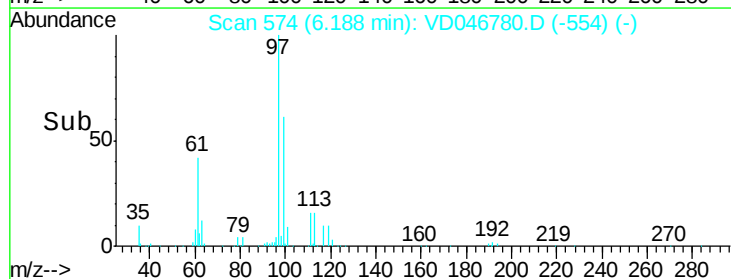
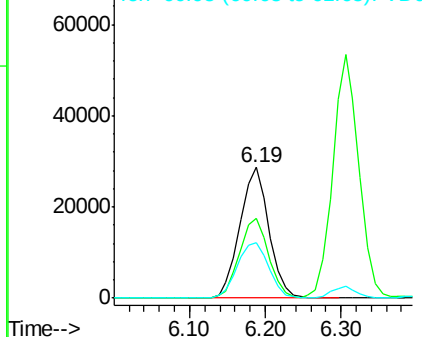
97 100

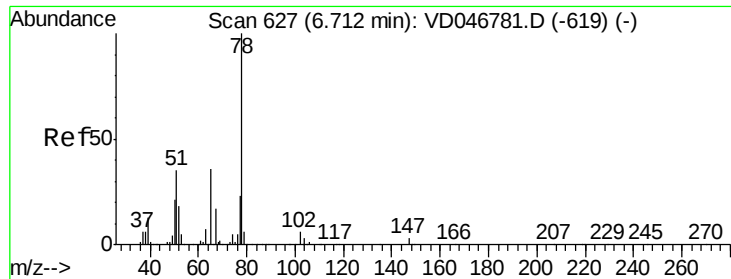
99 61.3 50.2 75.4

61 42.1 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: 20.57 ug/l

RT: 6.72 min Scan# 628

Delta R.T. 0.01 min

Lab File: VD046780.D

Acq: 18 Sep 2015 12:48

Instrument :

MSVOA_D

ClientSampleId :

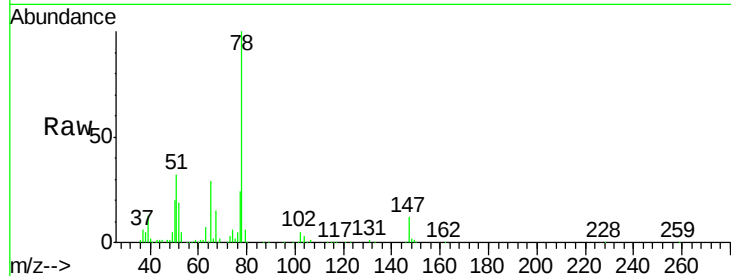
VSTDIC020

Tot Ion: 65 Resp: 43607

Ion Ratio Lower Upper

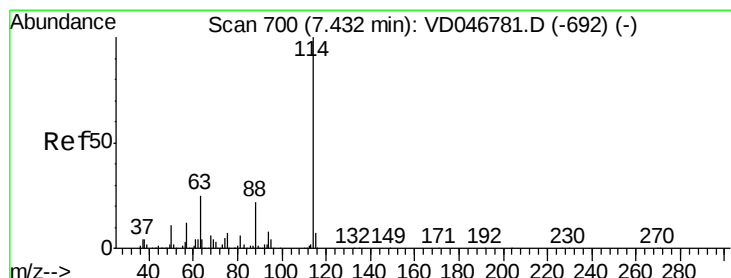
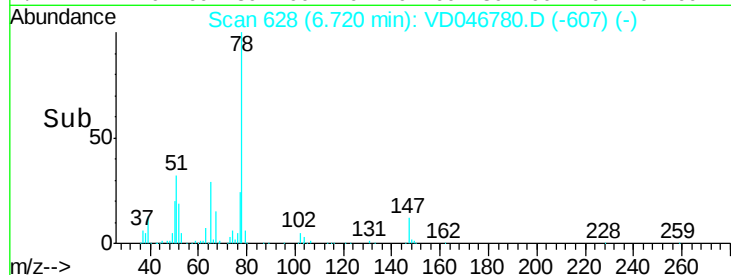
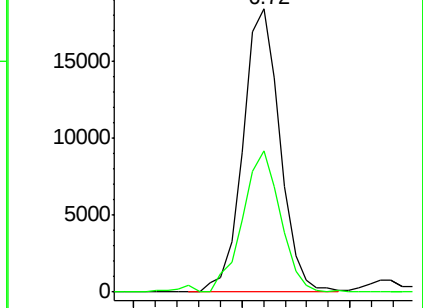
65 100

67 50.1 0.0 105.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 7.43 min Scan# 700

Delta R.T. -0.00 min

Lab File: VD046780.D

Acq: 18 Sep 2015 12:48

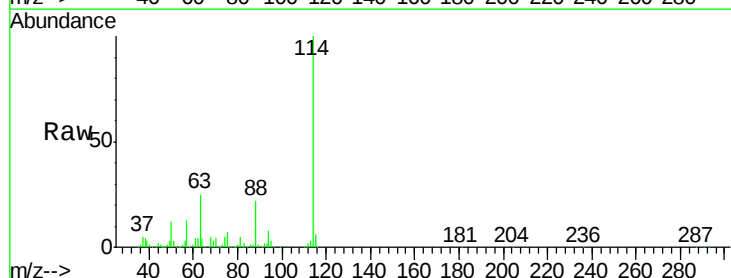
Tgt Ion: 114 Resp: 269316

Ion Ratio Lower Upper

114 100

63 25.1 0.0 49.8

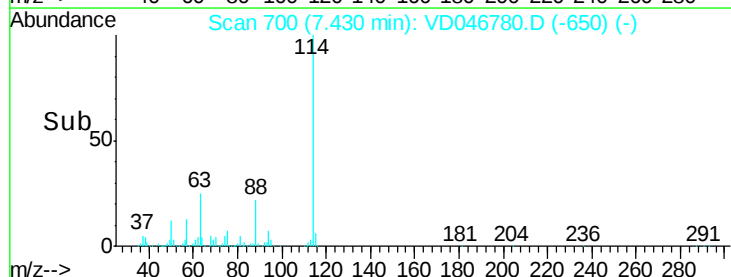
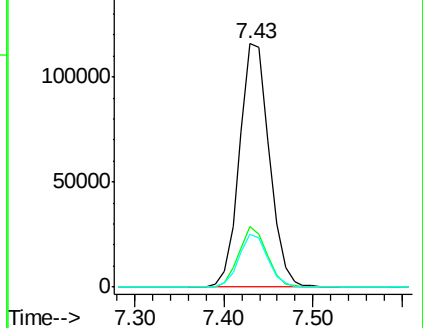
88 21.9 0.0 43.6

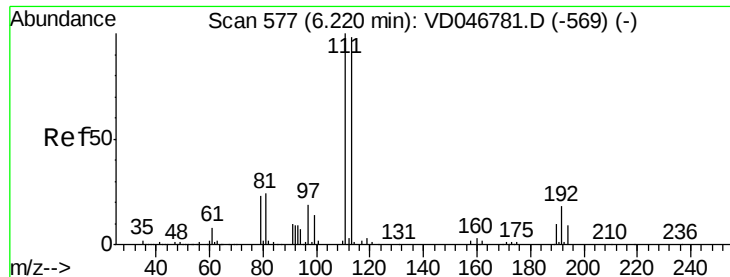


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

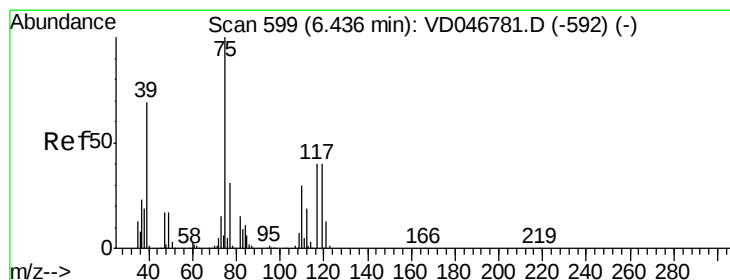
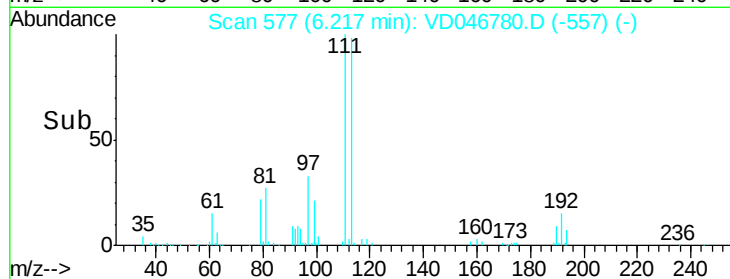
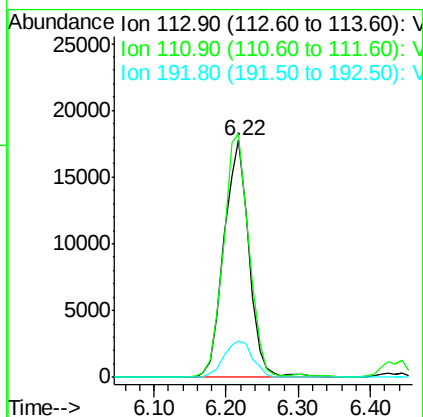
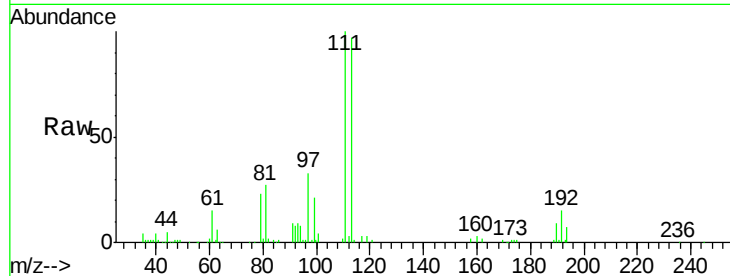




#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 6.22 min Scan# 577
 Delta R.T. -0.00 min
 Lab File: VD046780.D
 Acq: 18 Sep 2015 12:48

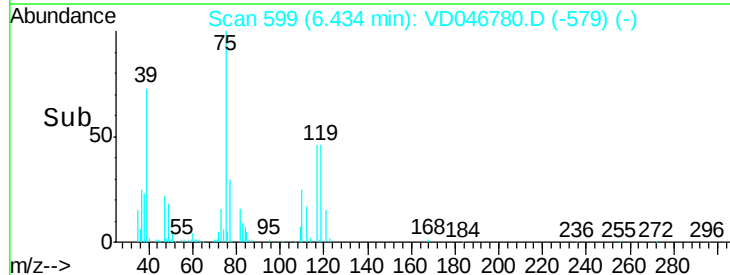
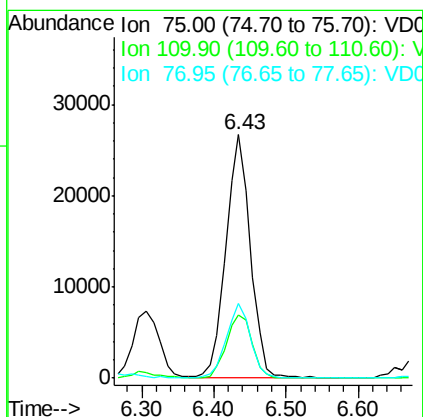
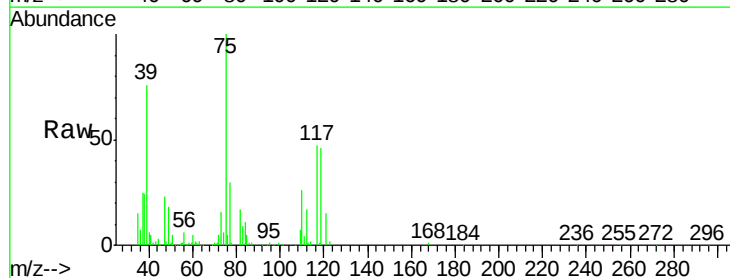
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

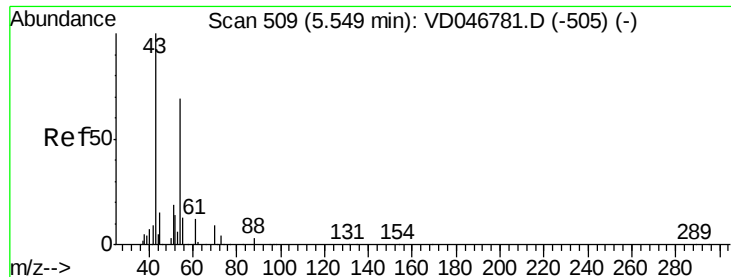
Tot Ion:113 Resp: 42662
 Ion Ratio Lower Upper
 113 100
 111 102.7 79.4 119.0
 192 15.6 14.6 22.0



#36
 1,1-Dichloropropene
 Concen: 18.74 ug/l
 RT: 6.43 min Scan# 599
 Delta R.T. -0.00 min
 Lab File: VD046780.D
 Acq: 18 Sep 2015 12:48

Tgt Ion: 75 Resp: 62270
 Ion Ratio Lower Upper
 75 100
 110 25.9 13.7 41.0
 77 30.4 24.7 37.1

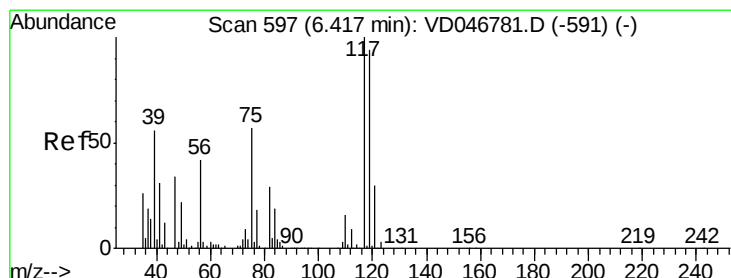
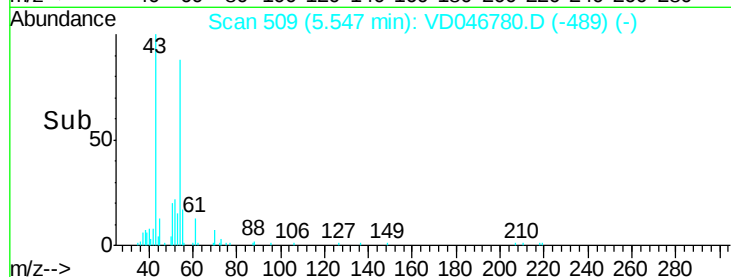
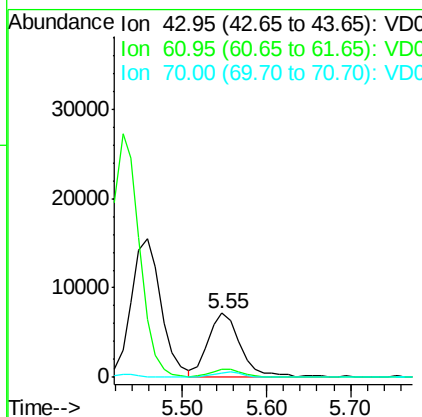
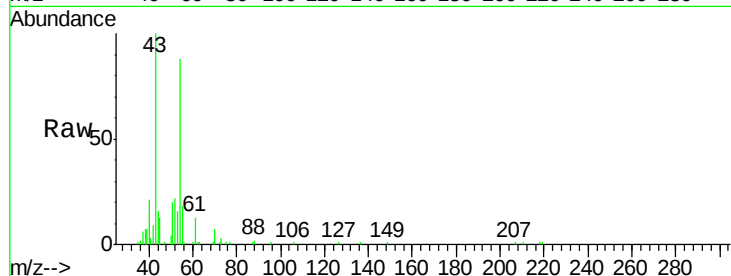




#37
Ethyl Acetate
Concen: 18.56 ug/l
RT: 5.55 min Scan# 509
Delta R.T. -0.00 min
Lab File: VD046780.D
Acq: 18 Sep 2015 12:48

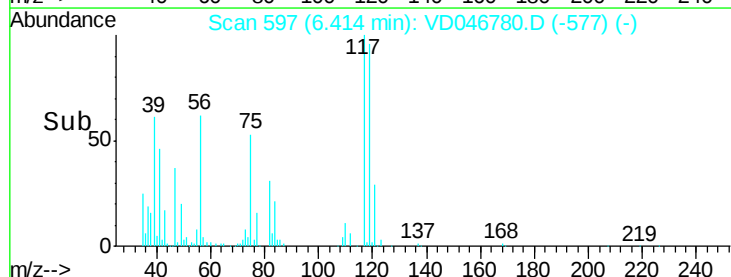
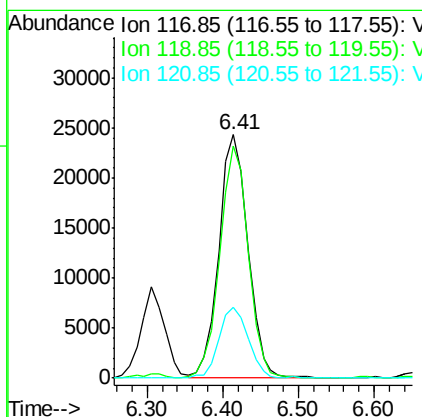
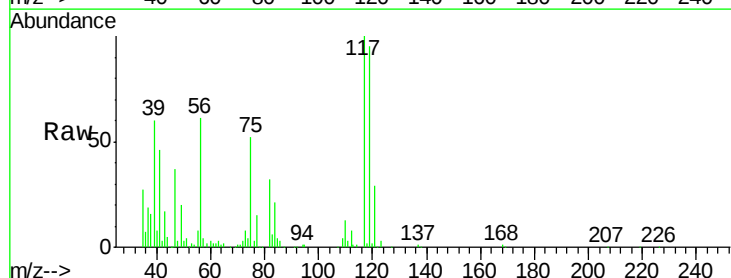
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

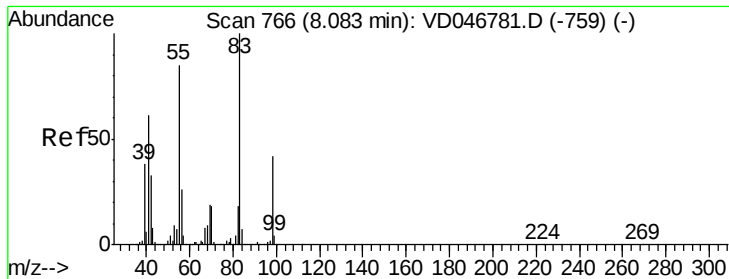
Tot Ion: 43 Resp: 18933
Ion Ratio Lower Upper
43 100
61 12.8 9.4 14.2
70 7.1 6.0 9.0



#38
Carbon Tetrachloride
Concen: 20.65 ug/l
RT: 6.41 min Scan# 597
Delta R.T. -0.00 min
Lab File: VD046780.D
Acq: 18 Sep 2015 12:48

Tgt Ion: 117 Resp: 65041
Ion Ratio Lower Upper
117 100
119 95.4 76.2 114.4
121 29.3 24.5 36.7

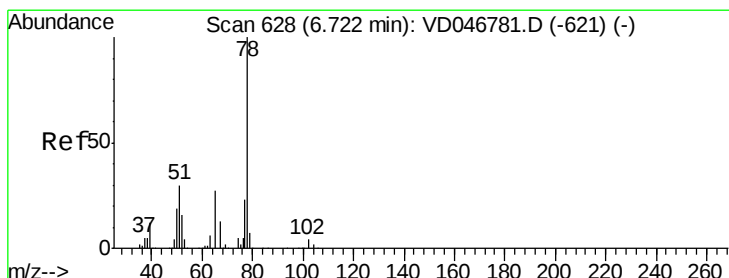
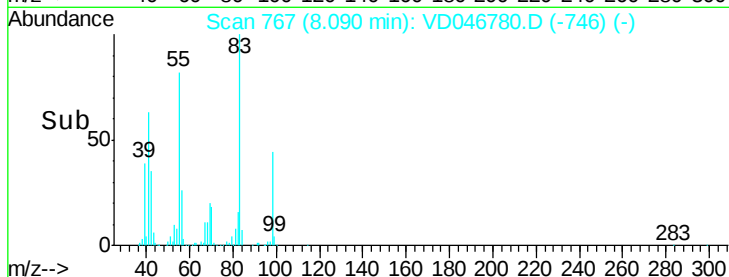
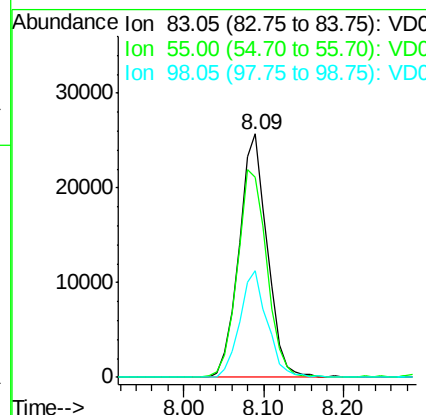
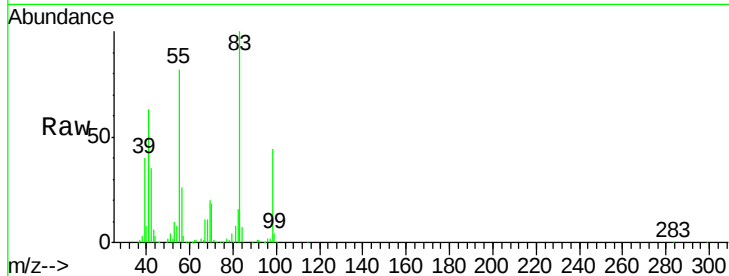




#39
Methvlcvclohexane
Concen: 17.88 ug/l
RT: 8.09 min Scan# 767
Delta R.T. 0.01 min
Lab File: VD046780.D
Acq: 18 Sep 2015 12:48

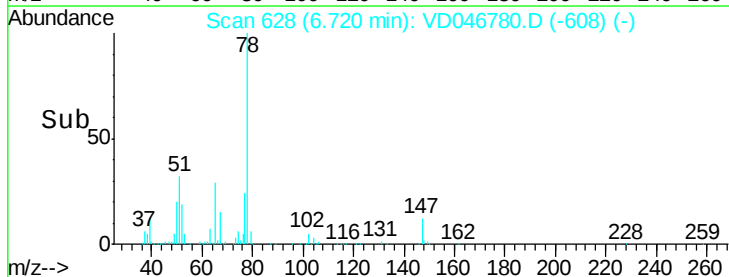
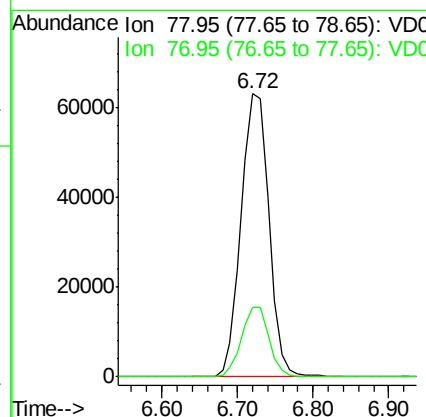
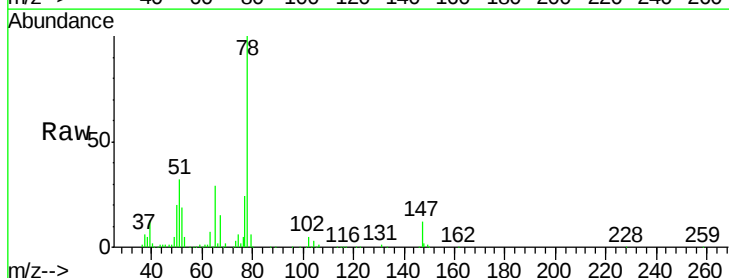
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

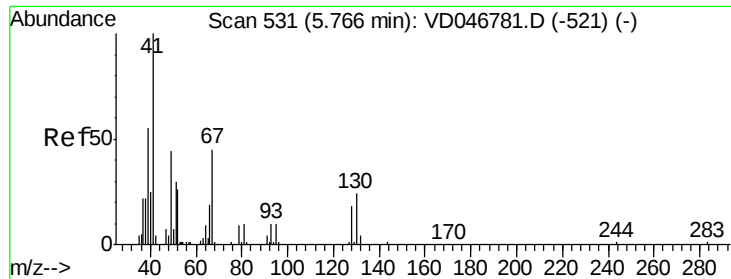
Tot Ion: 83 Resp: 63241
Ion Ratio Lower Upper
83 100
55 82.2 71.1 106.7
98 43.9 34.6 51.8



#40
Benzene
Concen: 18.99 ug/l
RT: 6.72 min Scan# 628
Delta R.T. -0.00 min
Lab File: VD046780.D
Acq: 18 Sep 2015 12:48

Tgt Ion: 78 Resp: 160735
Ion Ratio Lower Upper
78 100
77 24.4 19.9 29.9

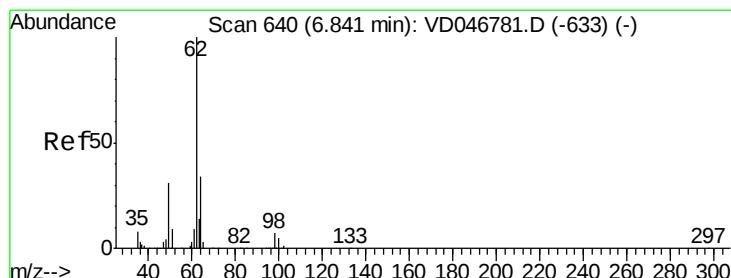
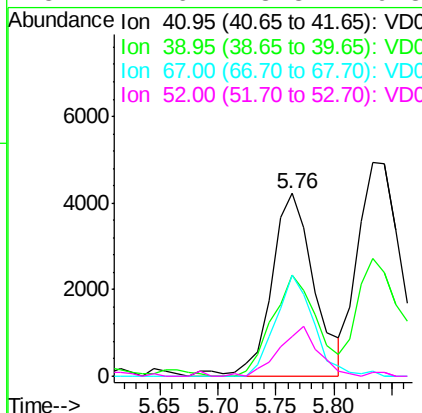
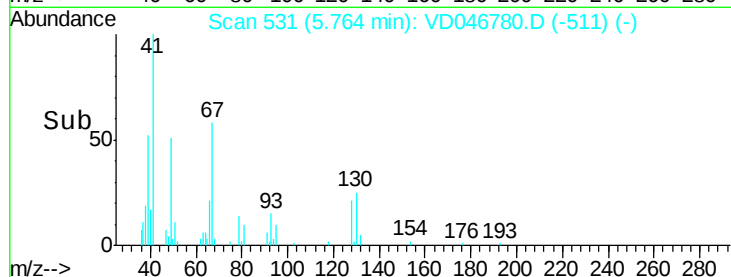
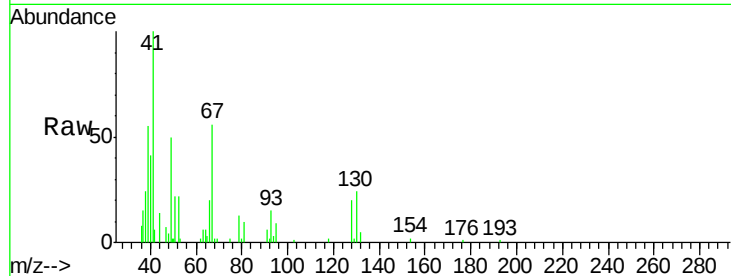




#41
Methacrylonitrile
Concen: 16.54 ug/l
RT: 5.76 min Scan# 531
Delta R.T. -0.00 min
Lab File: VD046780.D
Acq: 18 Sep 2015 12:48

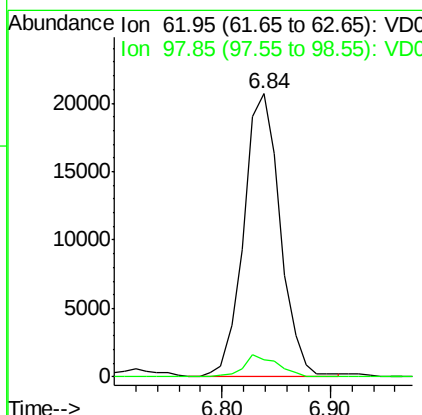
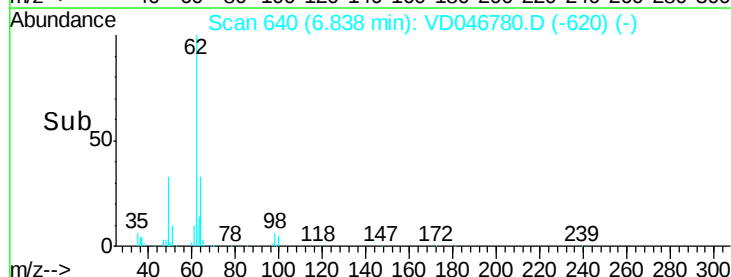
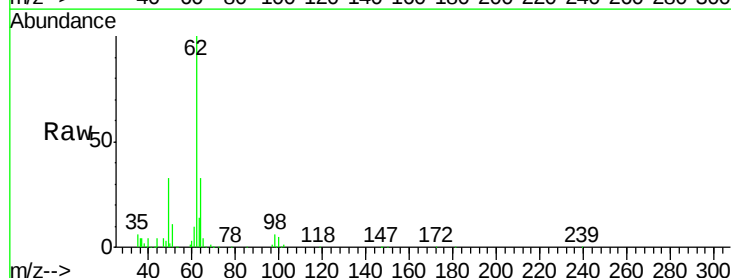
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

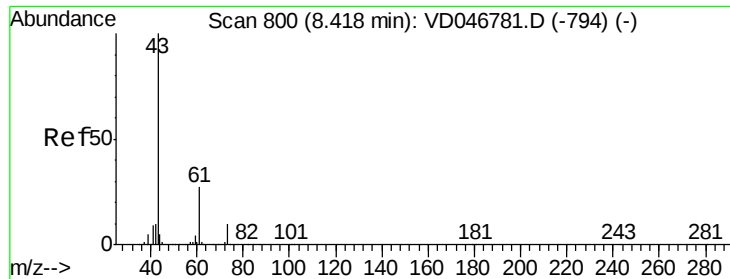
Tot Ion:	41	Resp:	10718
Ion	Ratio	Lower	Upper
41	100		
39	55.2	40.2	60.4
67	55.7	32.0	48.0#
52	21.6	13.8	20.8#



#42
1,2-Dichloroethane
Concen: 19.76 ug/l
RT: 6.84 min Scan# 640
Delta R.T. -0.00 min
Lab File: VD046780.D
Acq: 18 Sep 2015 12:48

Tgt Ion:	62	Resp:	48625
Ion	Ratio	Lower	Upper
62	100		
98	6.1	0.0	16.2





#43

Isopropyl Acetate

Concen: 17.04 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.00 min

Lab File: VD046780.D

Acq: 18 Sep 2015 12:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

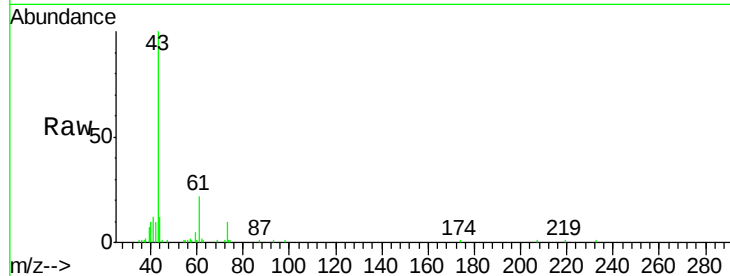
Tot Ion: 43 Resp: 24576

Ion Ratio Lower Upper

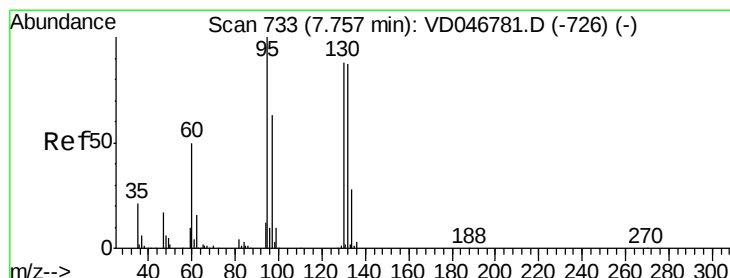
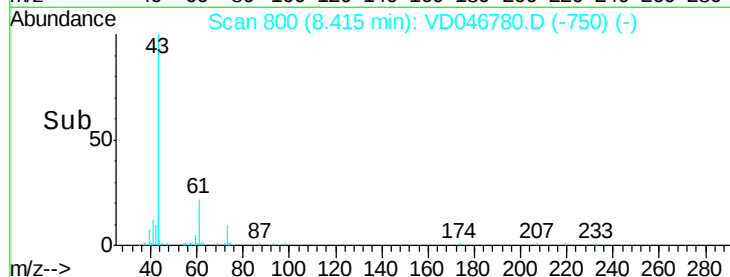
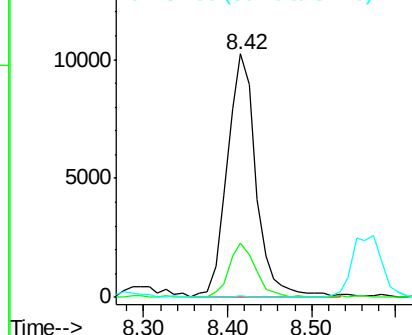
43 100

61 22.2 19.5 29.3

87 0.7 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: 17.71 ug/l

RT: 7.75 min Scan# 733

Delta R.T. -0.00 min

Lab File: VD046780.D

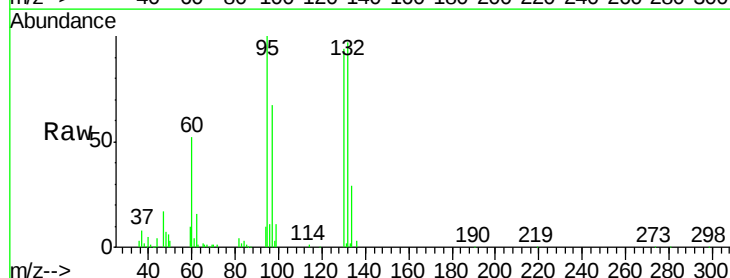
Acq: 18 Sep 2015 12:48

Tgt Ion:130 Resp: 38420

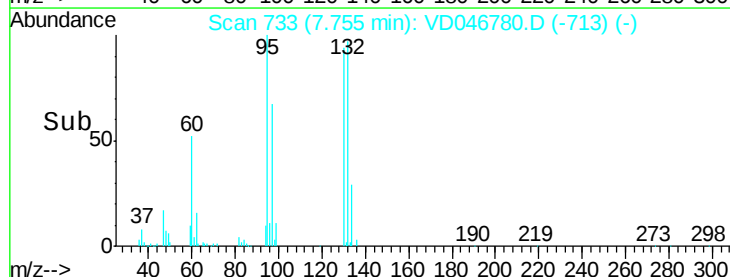
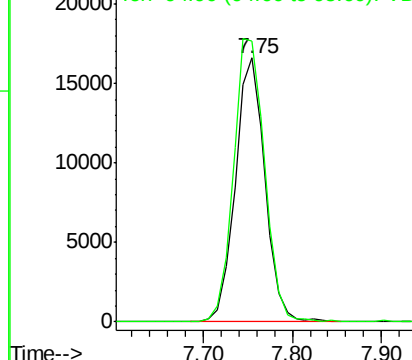
Ion Ratio Lower Upper

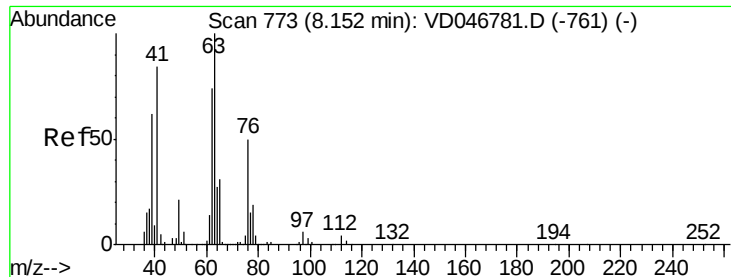
130 100

95 106.5 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: 18.36 ug/l

RT: 8.15 min Scan# 773

Delta R.T. -0.00 min

Lab File: VD046780.D

Acq: 18 Sep 2015 12:48

Instrument :

MSVOA_D

ClientSampleId :

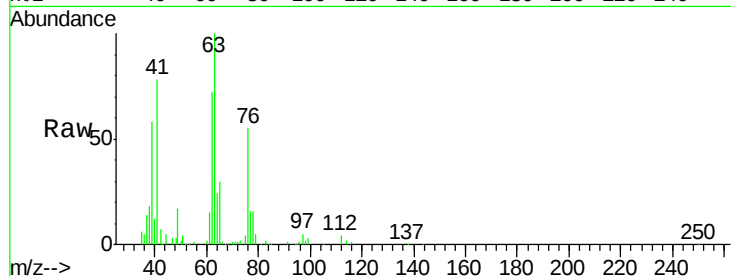
VSTDIC020

Tot Ion: 63 Resp: 38930

Ion Ratio Lower Upper

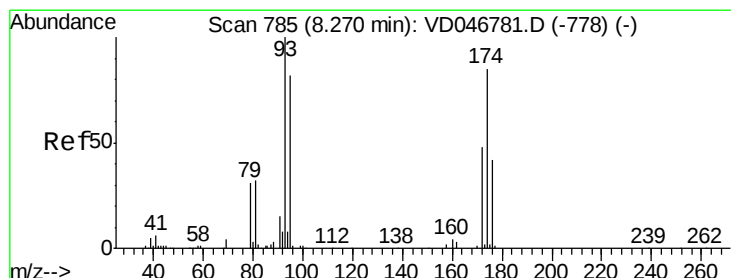
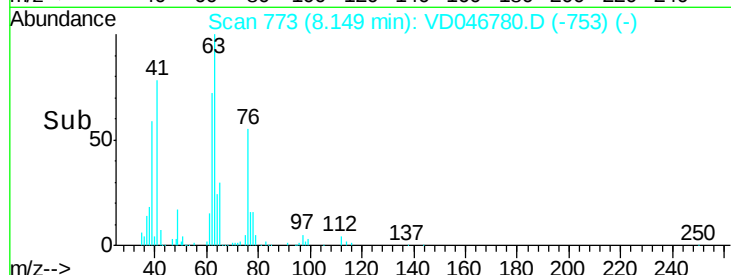
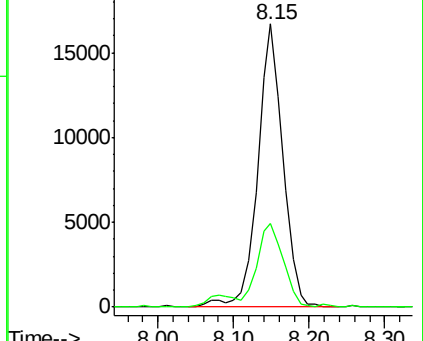
63 100

65 29.6 25.1 37.7



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 20.14 ug/l

RT: 8.28 min Scan# 786

Delta R.T. 0.01 min

Lab File: VD046780.D

Acq: 18 Sep 2015 12:48

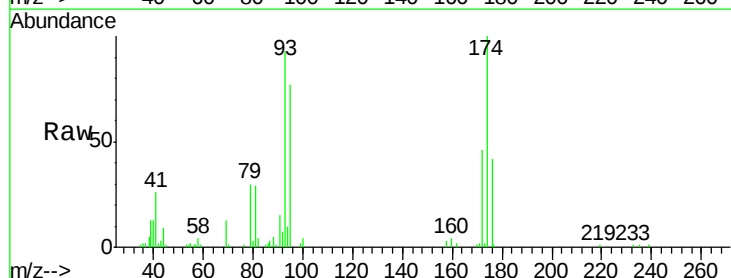
Tgt Ion: 93 Resp: 22262

Ion Ratio Lower Upper

93 100

95 82.6 70.2 105.2

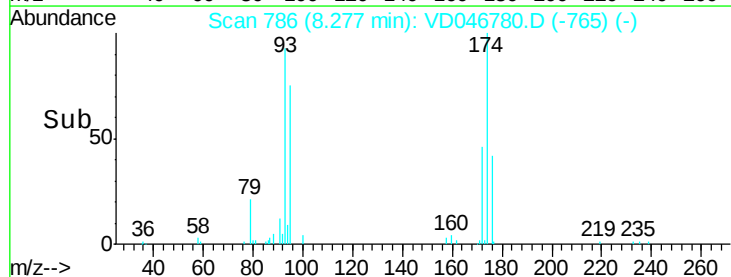
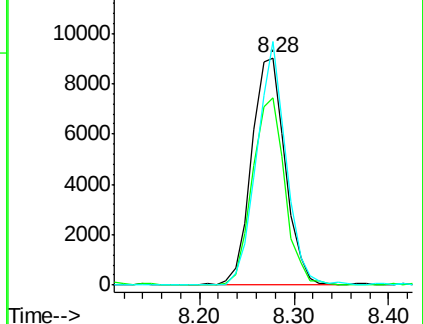
174 107.1 79.0 118.4

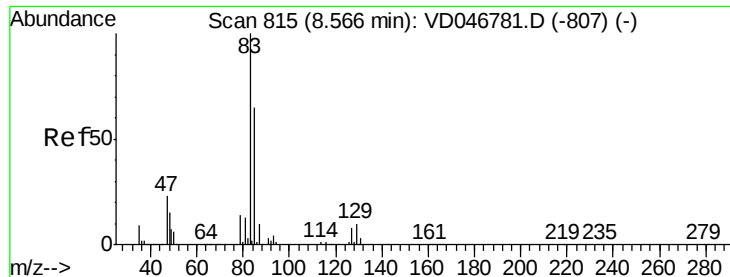


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 19.51 ug/l

RT: 8.56 min Scan# 815

Delta R.T. -0.00 min

Lab File: VD046780.D

Acq: 18 Sep 2015 12:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

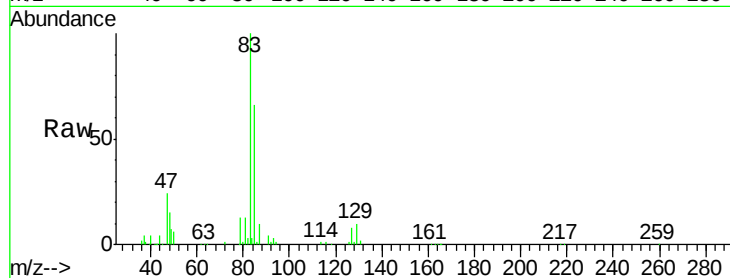
Tot Ion: 83 Resp: 57091

Ion Ratio Lower Upper

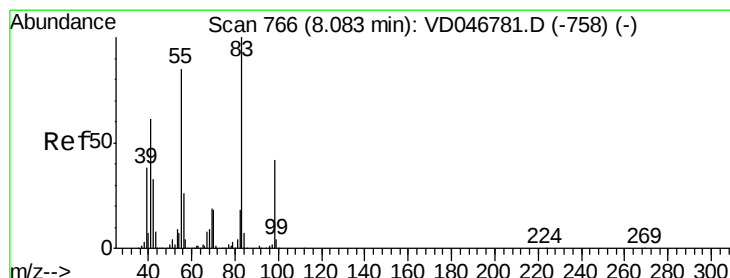
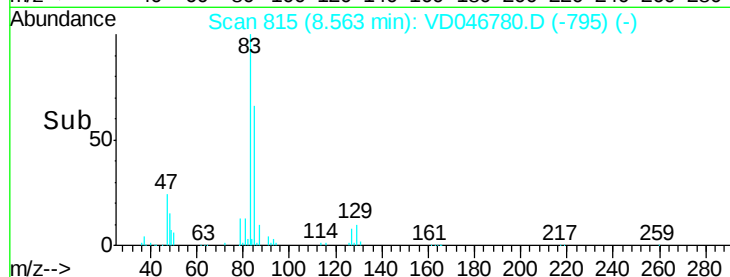
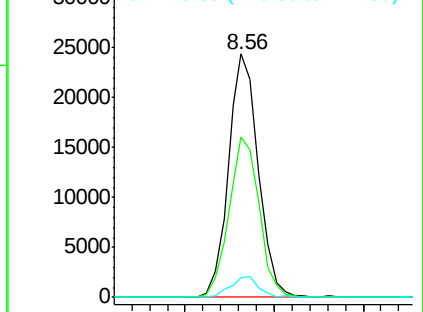
83 100

85 65.8 52.6 78.8

127 8.1 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: 18.74 ug/l

RT: 8.09 min Scan# 767

Delta R.T. 0.01 min

Lab File: VD046780.D

Acq: 18 Sep 2015 12:48

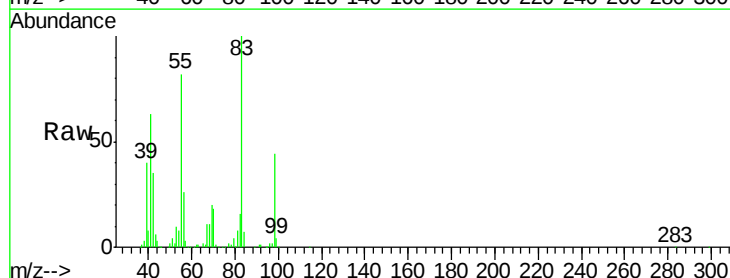
Tgt Ion: 41 Resp: 42272

Ion Ratio Lower Upper

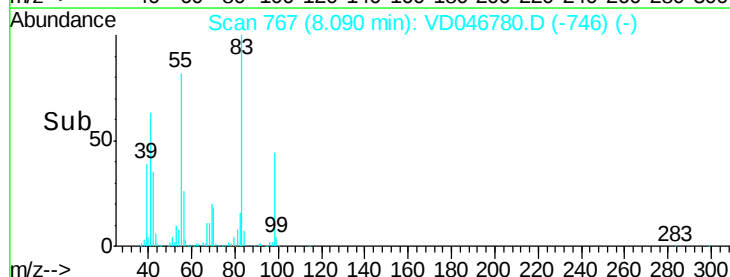
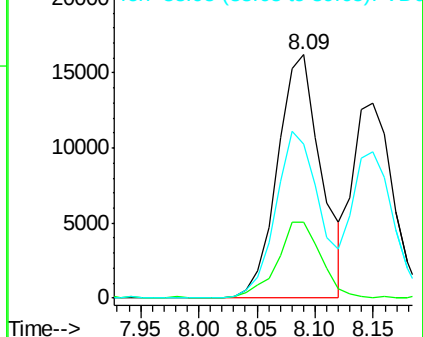
41 100

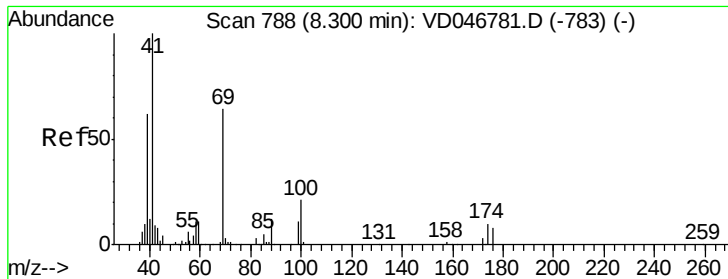
69 31.3 25.3 37.9

39 63.2 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: 443.42 ug/l

RT: 8.30 min Scan# 788

Delta R.T. -0.00 min

Lab File: VD046780.D

Acq: 18 Sep 2015 12:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

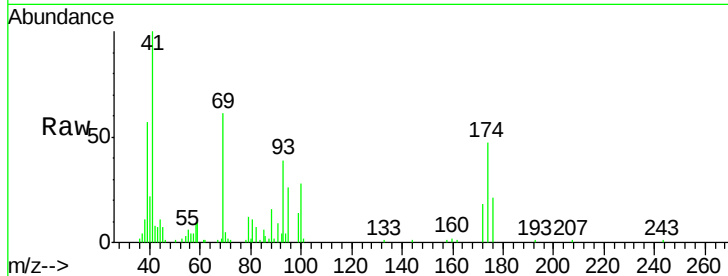
Tot Ion: 88 Resp: 3242

Ion Ratio Lower Upper

88 100

43 41.2 50.0 75.0#

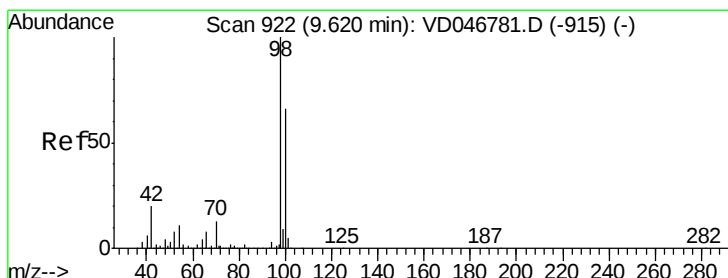
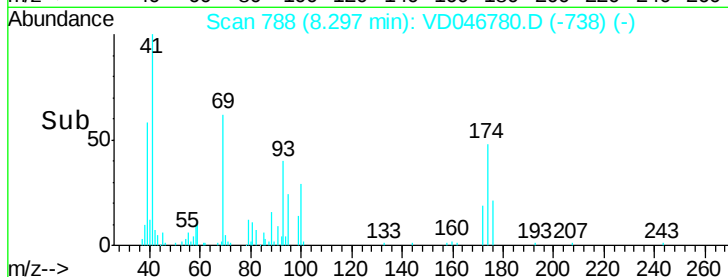
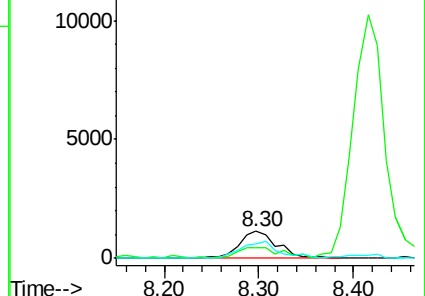
58 56.4 48.3 72.5



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 443.42 ug/l

RT: 9.62 min Scan# 922

Delta R.T. -0.00 min

Lab File: VD046780.D

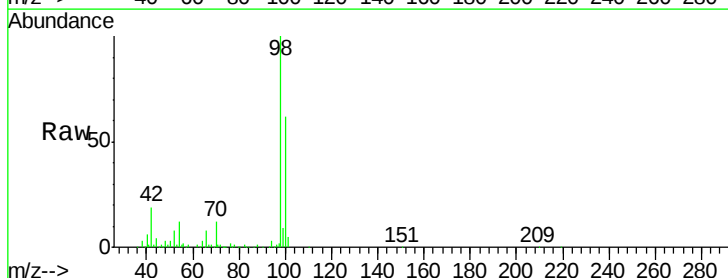
Acq: 18 Sep 2015 12:48

Tgt Ion: 98 Resp: 134720

Ion Ratio Lower Upper

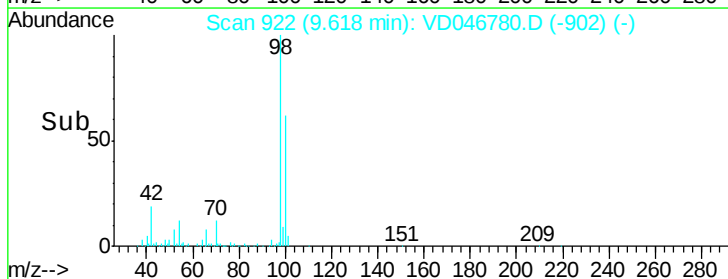
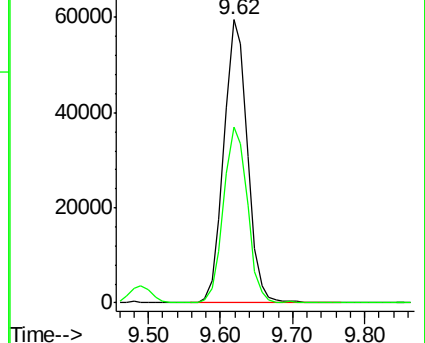
98 100

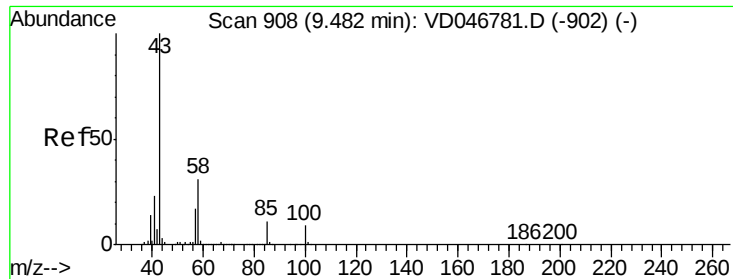
100 62.2 49.9 74.9



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 93.36 ug/l

RT: 9.49 min Scan# 909

Delta R.T. 0.01 min

Lab File: VD046780.D

Acq: 18 Sep 2015 12:48

Instrument :

MSVOA_D

ClientSampleId :

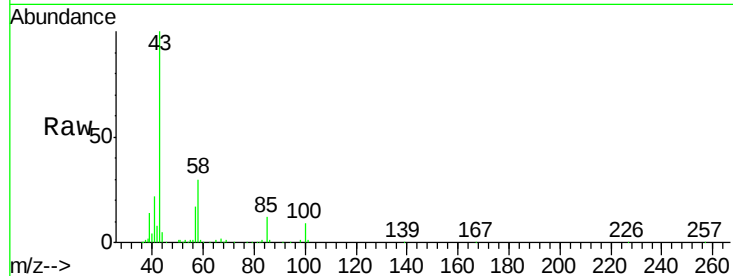
VSTDIC020

Tot Ion: 43 Resp: 93869

Ion Ratio Lower Upper

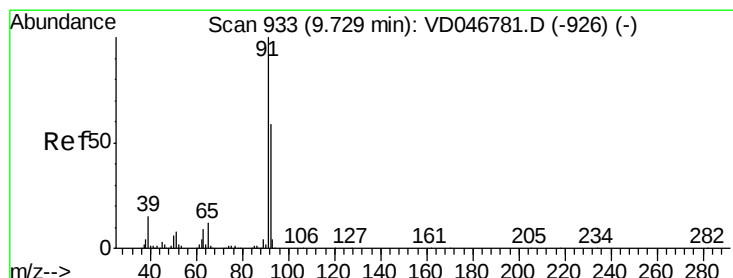
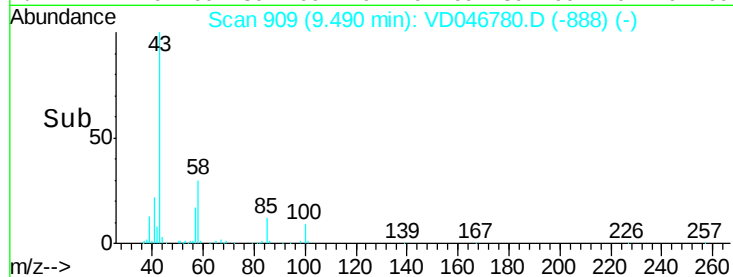
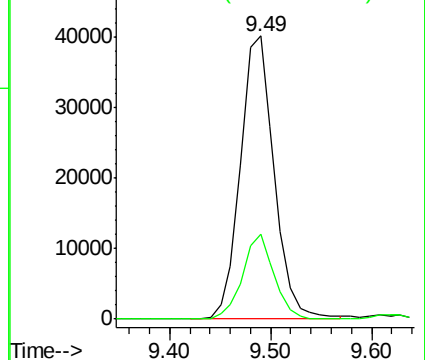
43 100

58 30.2 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: 20.00 ug/l

RT: 9.73 min Scan# 933

Delta R.T. -0.00 min

Lab File: VD046780.D

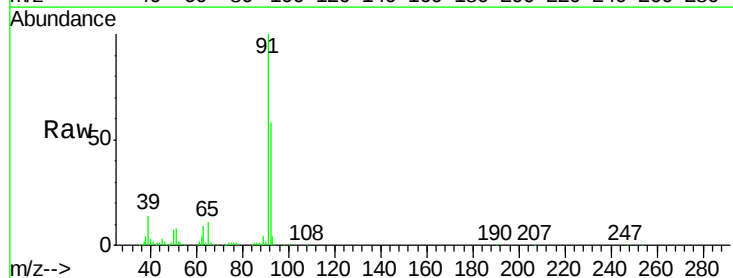
Acq: 18 Sep 2015 12:48

Tgt Ion: 92 Resp: 100965

Ion Ratio Lower Upper

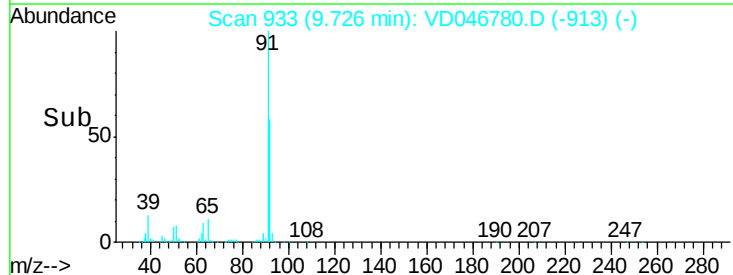
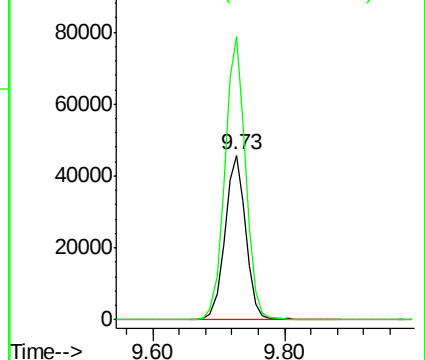
92 100

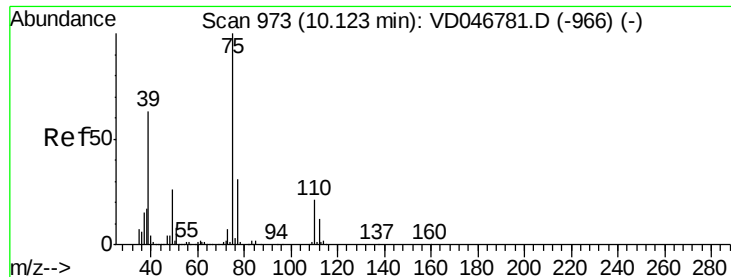
91 171.7 139.4 209.0



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: 18.47 ug/l

RT: 10.12 min Scan# 973

Delta R.T. -0.00 min

Lab File: VD046780.D

Acq: 18 Sep 2015 12:48

Instrument :

MSVOA_D

ClientSampleId :

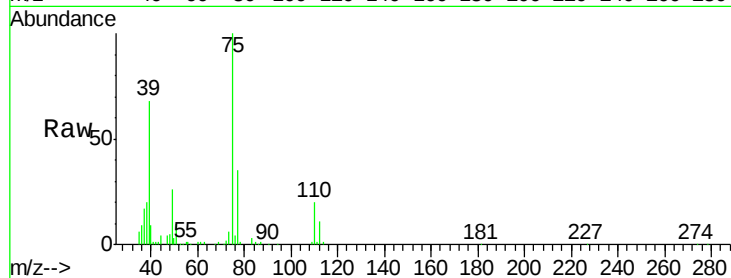
VSTDIC020

Tot Ion: 75 Resp: 40919

Ion Ratio Lower Upper

75 100

77 35.1 27.6 41.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

10.12

20000

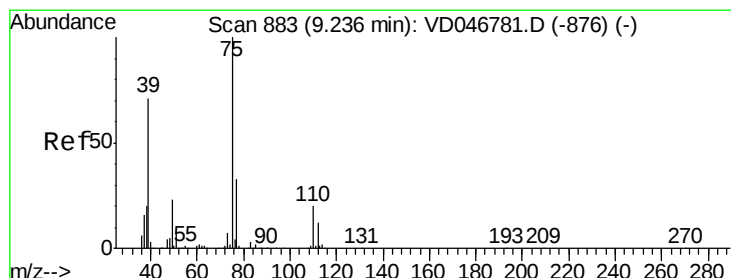
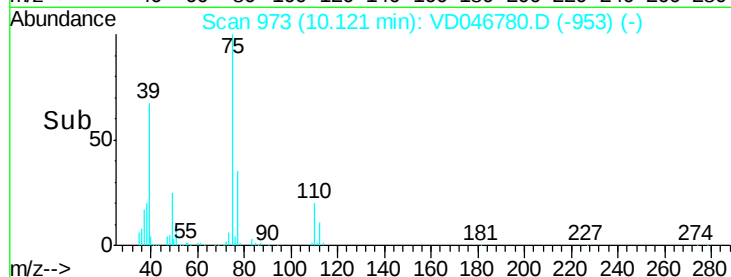
15000

10000

5000

0

Time--> 10.00 10.10 10.20



#54

cis-1,3-Dichloropropene

Concen: 18.69 ug/l

RT: 9.23 min Scan# 883

Delta R.T. -0.00 min

Lab File: VD046780.D

Acq: 18 Sep 2015 12:48

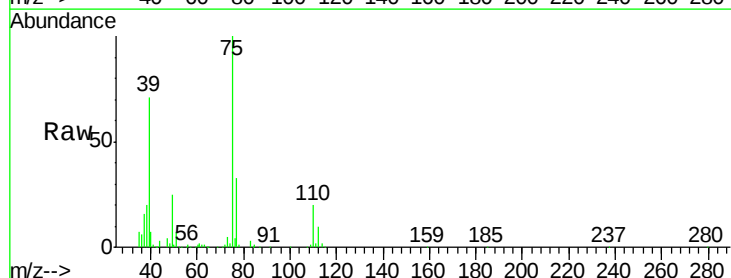
Tgt Ion: 75 Resp: 54608

Ion Ratio Lower Upper

75 100

77 33.5 23.8 35.6

39 70.6 53.0 79.6



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

9.23

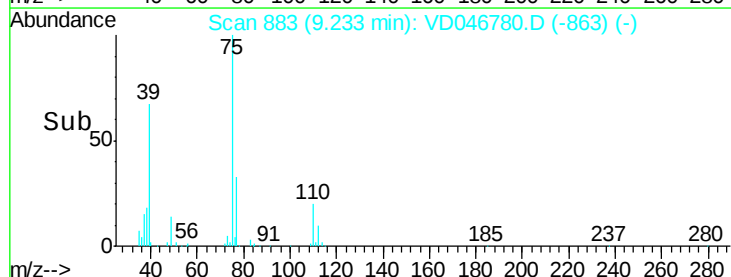
30000

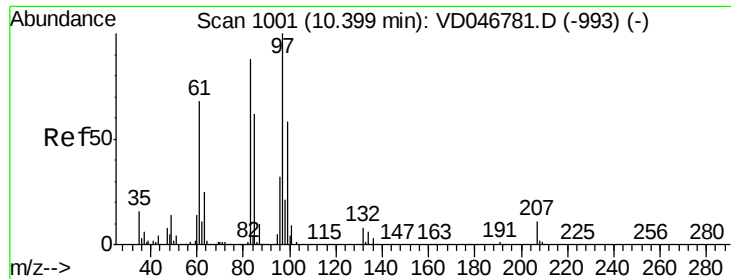
20000

10000

0

Time--> 9.10 9.20 9.30

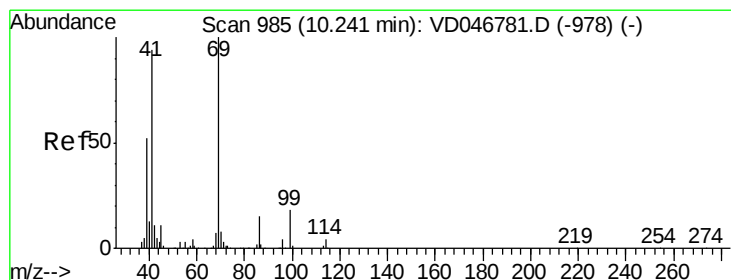
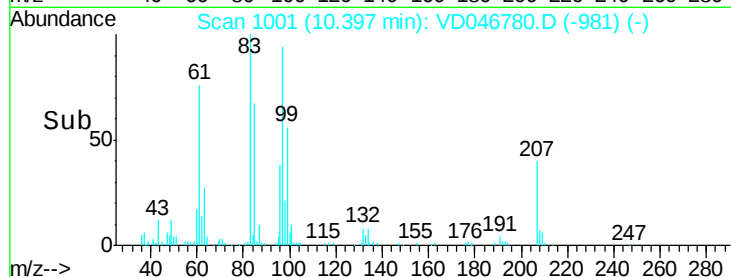
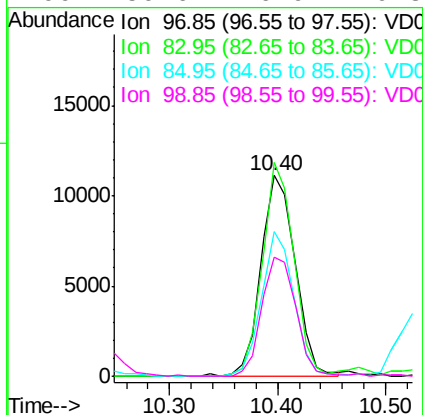
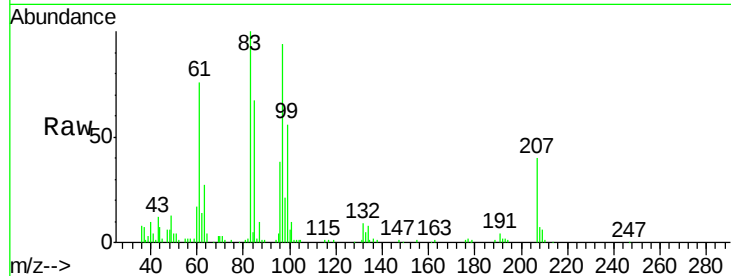




#55
 1,1,2-Trichloroethane
 Concen: 20.46 ug/l
 RT: 10.40 min Scan# 1001
 Delta R.T. -0.00 min
 Lab File: VD046780.D
 Acq: 18 Sep 2015 12:48

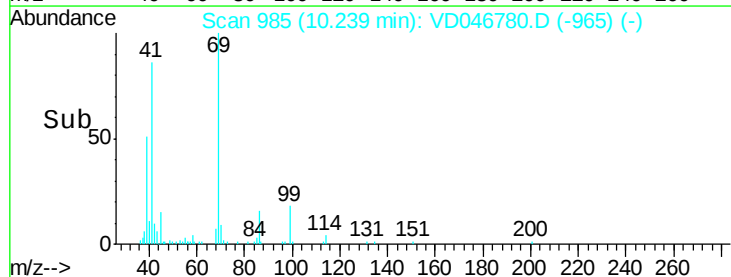
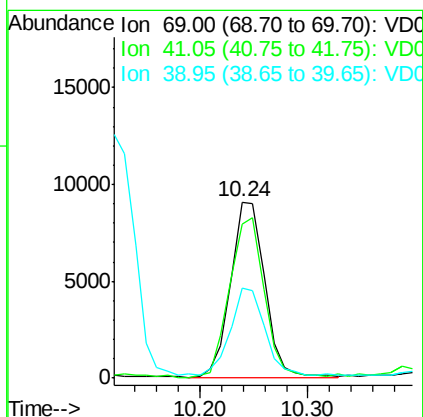
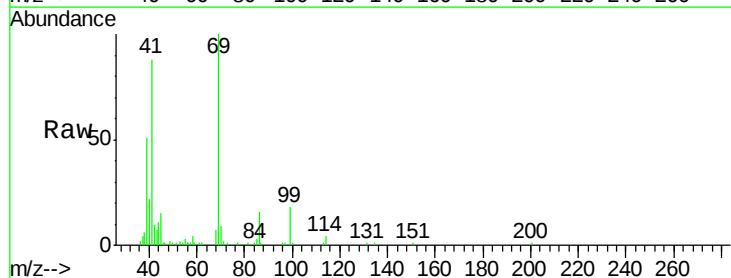
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

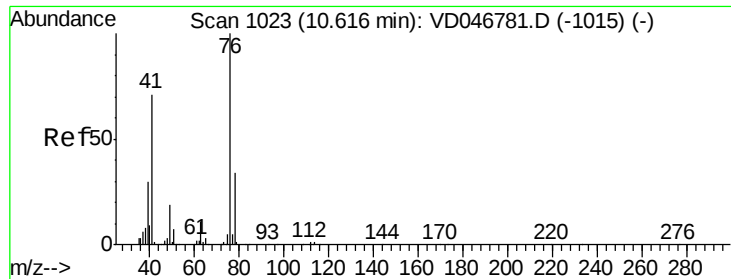
Tot Ion: 97 Resp: 24518
 Ion Ratio Lower Upper
 97 100
 83 106.6 75.3 112.9
 85 71.9 50.9 76.3
 99 59.6 46.9 70.3



#56
 Ethyl methacrylate
 Concen: 17.63 ug/l
 RT: 10.24 min Scan# 985
 Delta R.T. -0.00 min
 Lab File: VD046780.D
 Acq: 18 Sep 2015 12:48

Tgt Ion: 69 Resp: 20311
 Ion Ratio Lower Upper
 69 100
 41 87.6 75.4 113.0
 39 51.1 41.0 61.4





#57

1,3-Dichloropropane

Concen: 20.03 ug/l

RT: 10.61 min Scan# 1023

Delta R.T. -0.00 min

Lab File: VD046780.D

Acq: 18 Sep 2015 12:48

Instrument :

MSVOA_D

ClientSampleId :

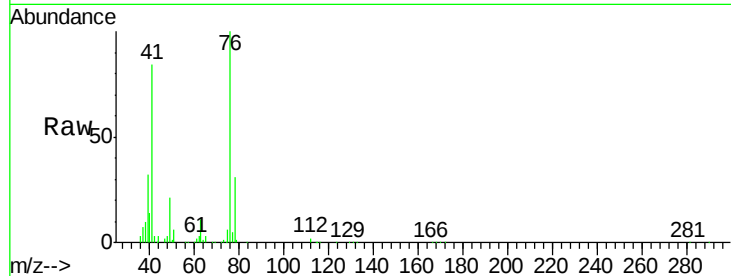
VSTDIC020

Tot Ion: 76 Resp: 46071

Ion Ratio Lower Upper

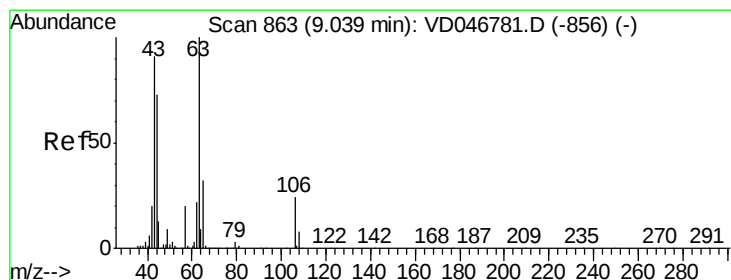
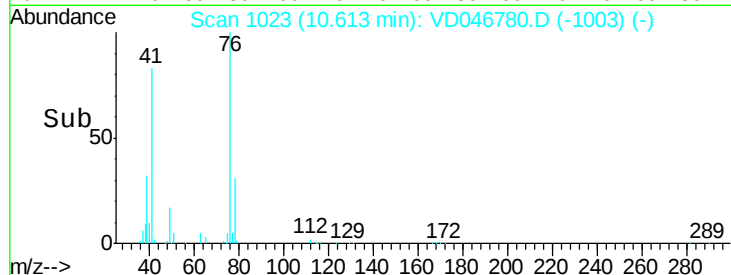
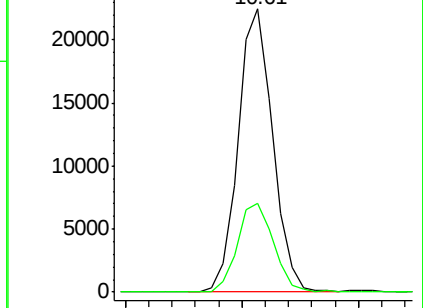
76 100

78 31.5 26.6 39.8



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 92.95 ug/l

RT: 9.04 min Scan# 863

Delta R.T. -0.00 min

Lab File: VD046780.D

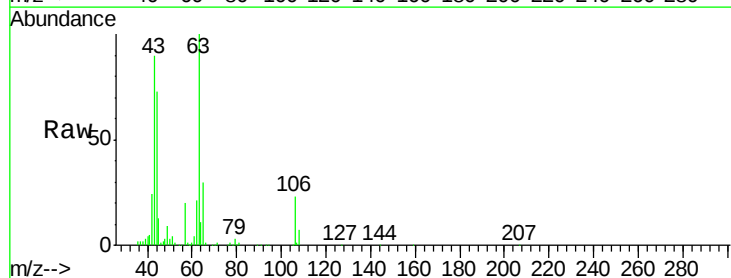
Acq: 18 Sep 2015 12:48

Tgt Ion: 63 Resp: 59086

Ion Ratio Lower Upper

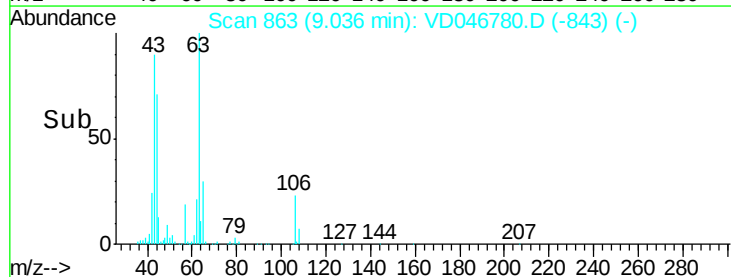
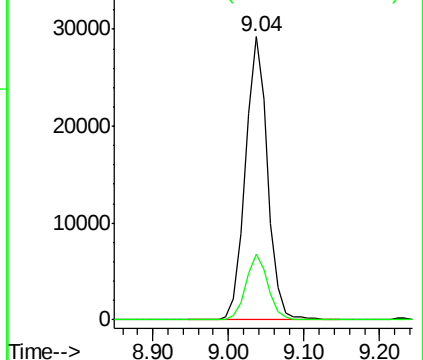
63 100

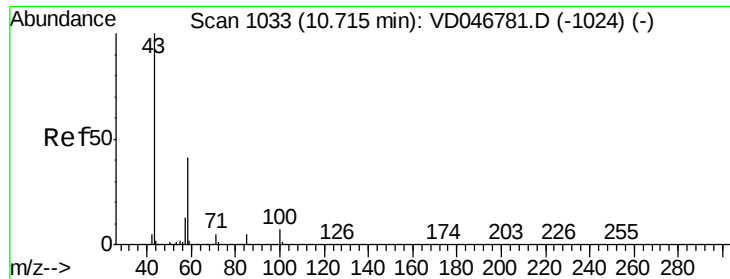
106 23.3 17.8 26.8



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

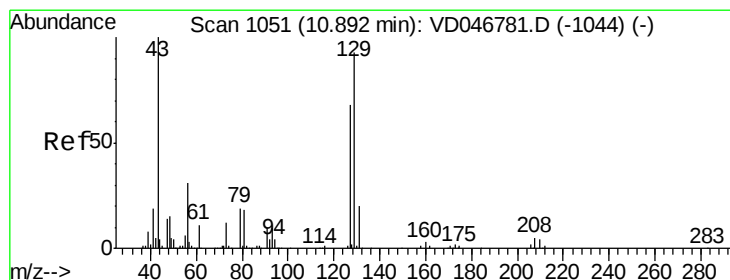
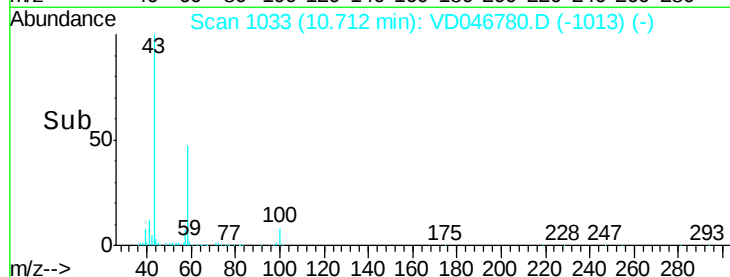
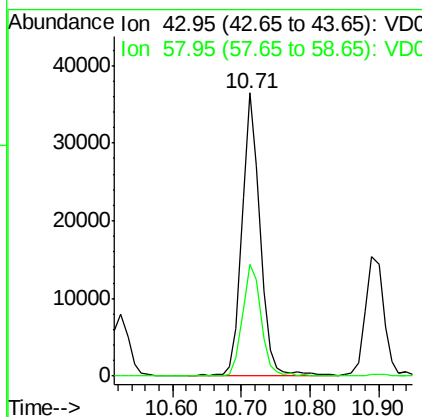
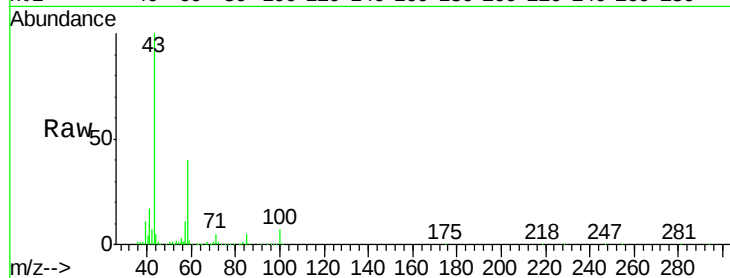




#59
2-Hexanone
Concen: 93.51 ug/l
RT: 10.71 min Scan# 1033
Delta R.T. -0.00 min
Lab File: VD046780.D
Acq: 18 Sep 2015 12:48

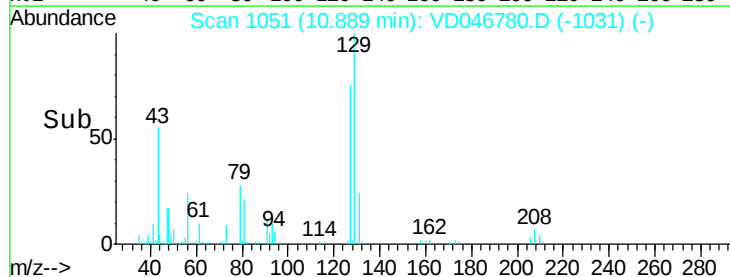
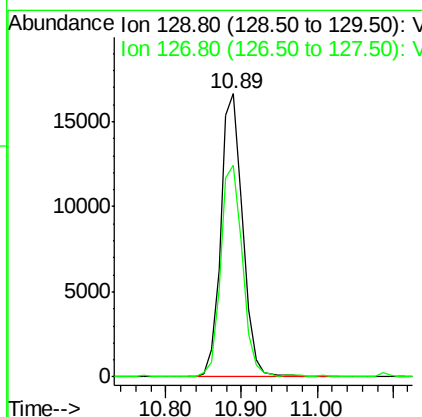
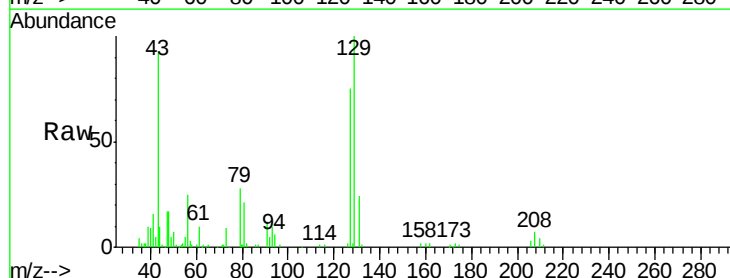
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

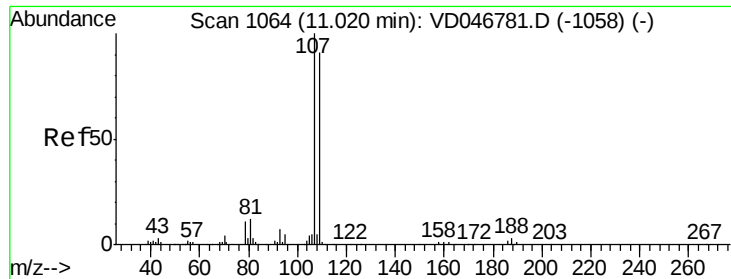
Tot Ion: 43 Resp: 67001
Ion Ratio Lower Upper
43 100
58 39.6 18.6 55.8



#60
Dibromochloromethane
Concen: 20.03 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VD046780.D
Acq: 18 Sep 2015 12:48

Tgt Ion: 129 Resp: 33409
Ion Ratio Lower Upper
129 100
127 75.0 38.2 114.6





#61

1,2-Dibromoethane

Concen: 20.15 ug/l

RT: 11.02 min Scan# 1064

Delta R.T. -0.00 min

Lab File: VD046780.D

Acq: 18 Sep 2015 12:48

Instrument :

MSVOA_D

ClientSampleId :

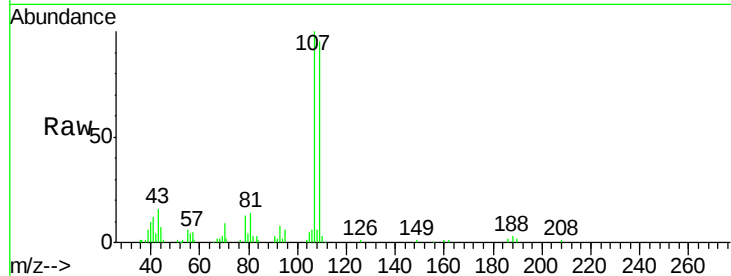
VSTDIC020

Tot Ion:107 Resp: 23520

Ion Ratio Lower Upper

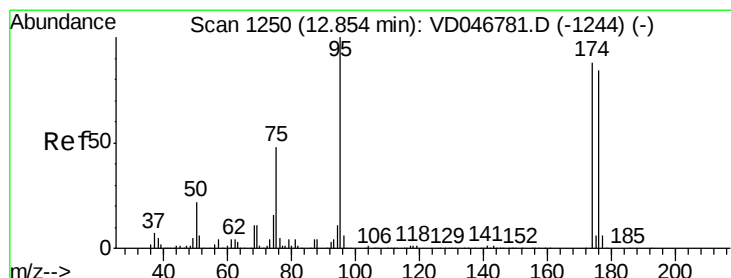
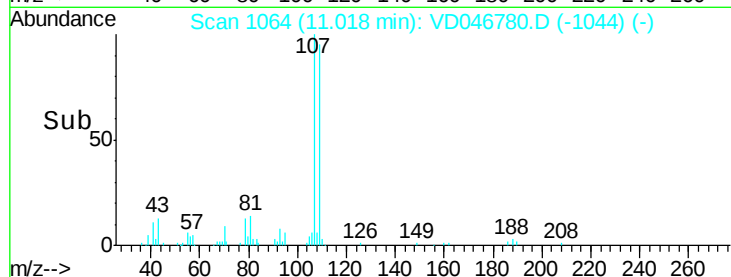
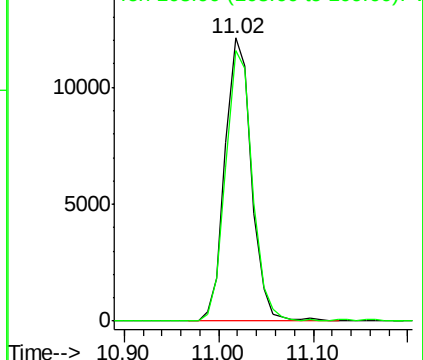
107 100

109 95.5 71.4 107.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 20.15 ug/l

RT: 12.85 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VD046780.D

Acq: 18 Sep 2015 12:48

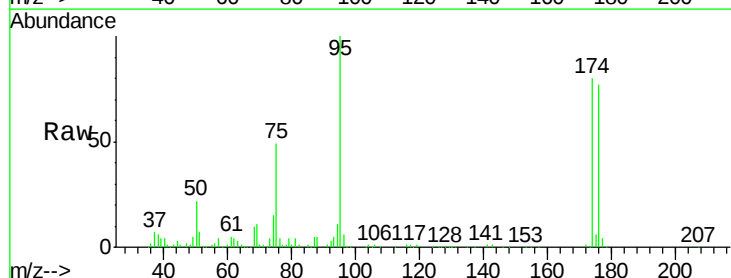
Tgt Ion: 95 Resp: 53737

Ion Ratio Lower Upper

95 100

174 79.6 0.0 149.8

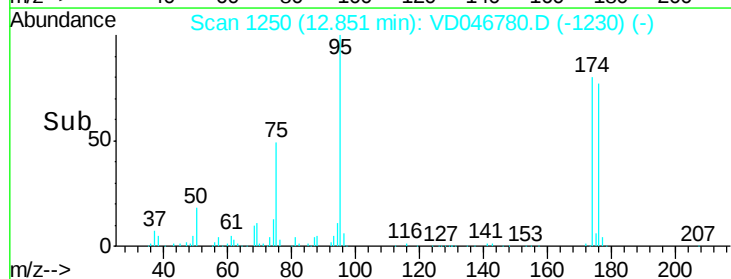
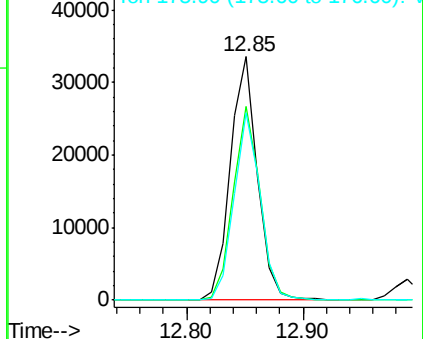
176 76.9 0.0 143.4

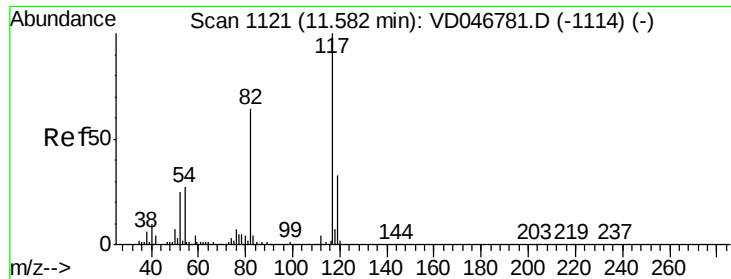


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

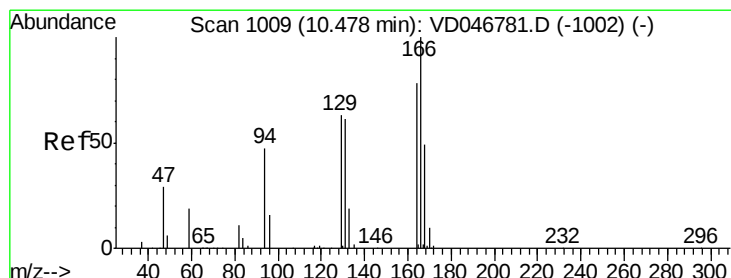
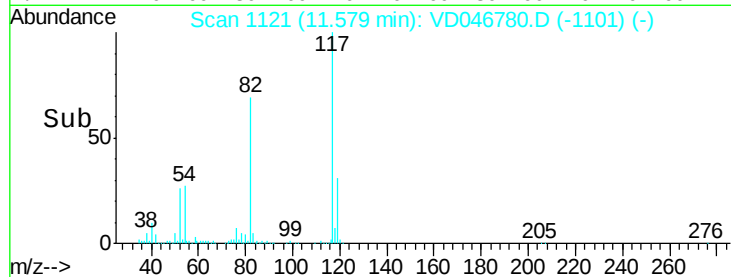
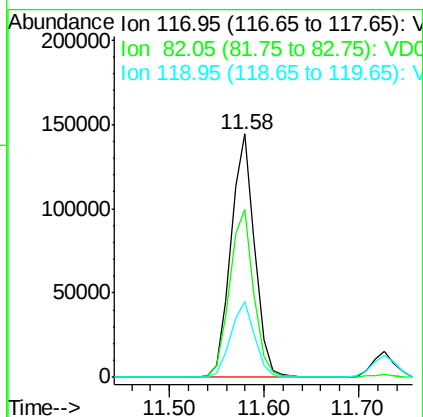
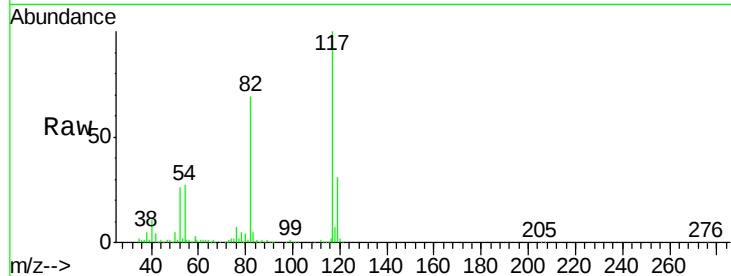




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.58 min Scan# 1121
Delta R.T. -0.00 min
Lab File: VD046780.D
Acq: 18 Sep 2015 12:48

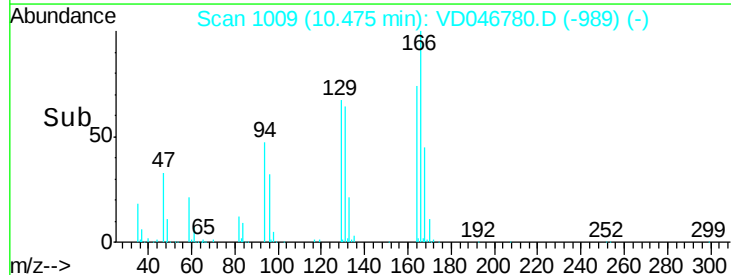
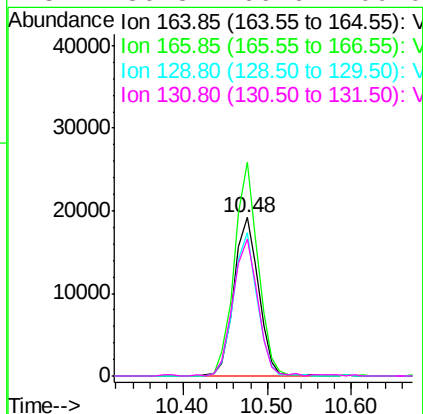
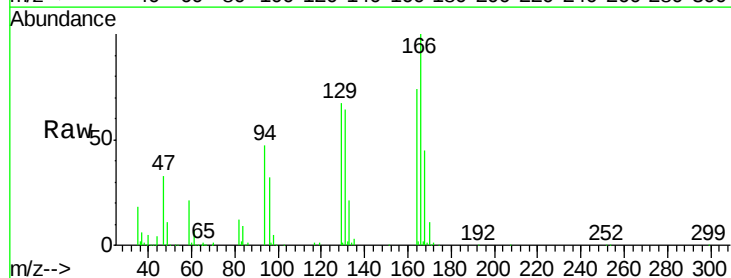
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

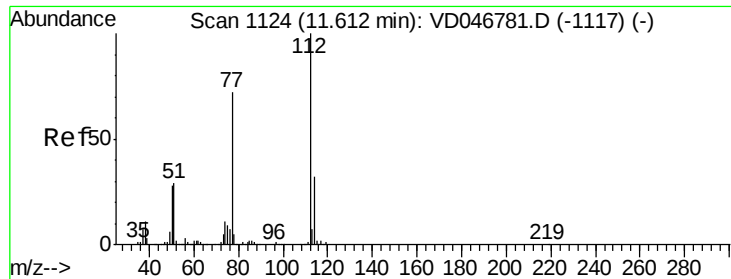
Tot Ion:117 Resp: 250644
Ion Ratio Lower Upper
117 100
82 69.1 50.6 75.8
119 31.0 25.8 38.8



#64
Tetrachloroethene
Concen: 17.59 ug/l
RT: 10.48 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VD046780.D
Acq: 18 Sep 2015 12:48

Tgt Ion:164 Resp: 39460
Ion Ratio Lower Upper
164 100
166 135.0 106.8 160.2
129 90.9 70.6 106.0
131 86.3 66.6 100.0

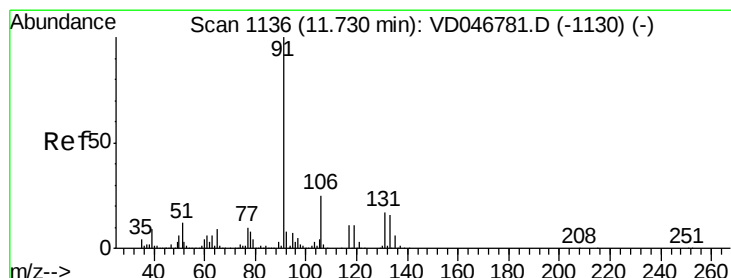
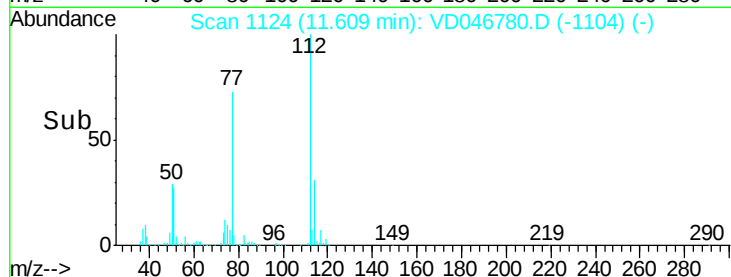
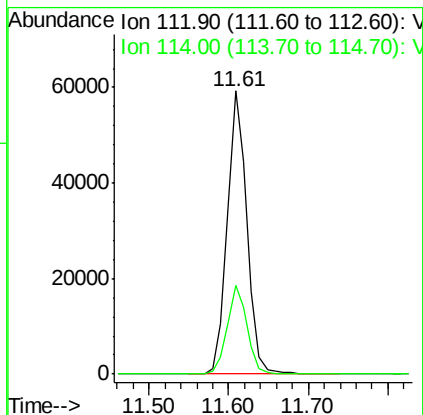
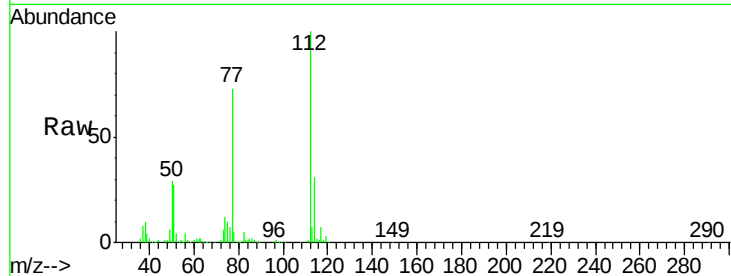




#65
Chlorobenzene
Concen: 18.72 ug/l
RT: 11.61 min Scan# 1124
Delta R.T. -0.00 min
Lab File: VD046780.D
Acq: 18 Sep 2015 12:48

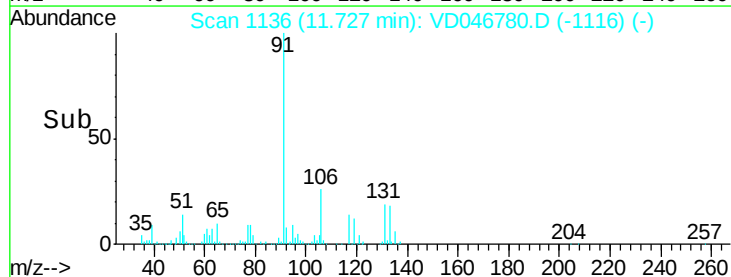
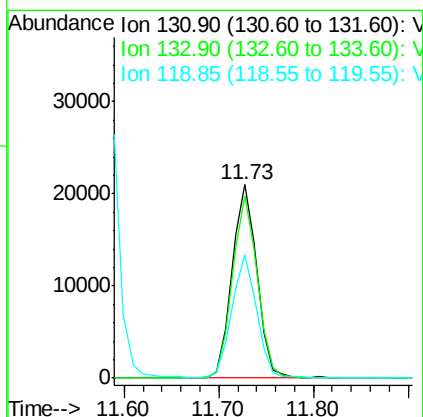
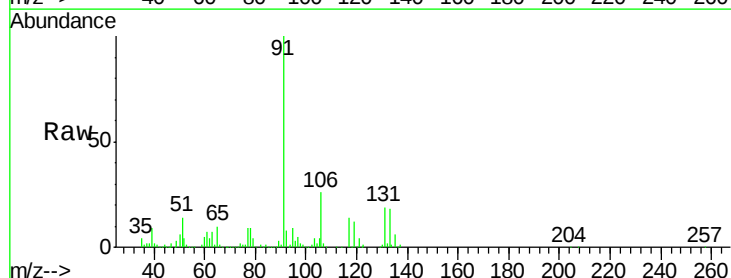
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

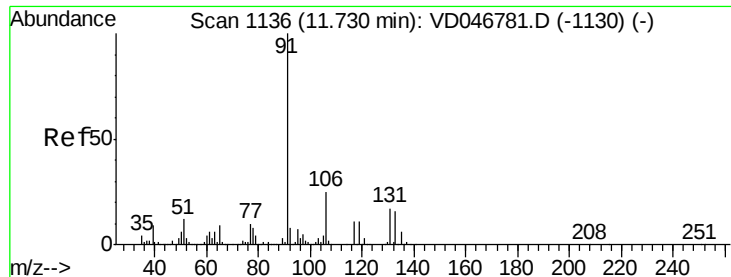
Tot Ion:112 Resp: 103070
Ion Ratio Lower Upper
112 100
114 31.4 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 18.69 ug/l
RT: 11.73 min Scan# 1136
Delta R.T. -0.00 min
Lab File: VD046780.D
Acq: 18 Sep 2015 12:48

Tgt Ion:131 Resp: 38202
Ion Ratio Lower Upper
131 100
133 94.6 48.4 145.0
119 63.8 31.5 94.5





#67

Ethyl Benzene

Concen: 18.70 ug/l

RT: 11.74 min Scan# 1137

Delta R.T. 0.01 min

Lab File: VD046780.D

Acq: 18 Sep 2015 12:48

Instrument :

MSVOA_D

ClientSampleId :

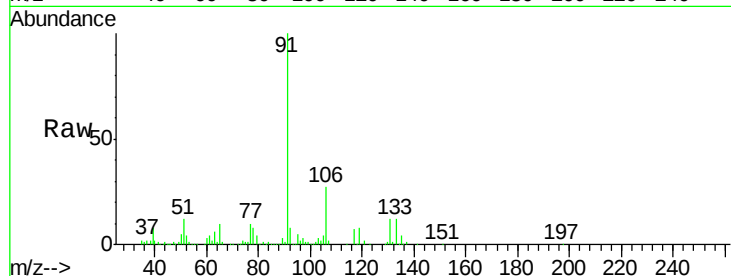
VSTDIC020

Tot Ion: 91 Resp: 210187

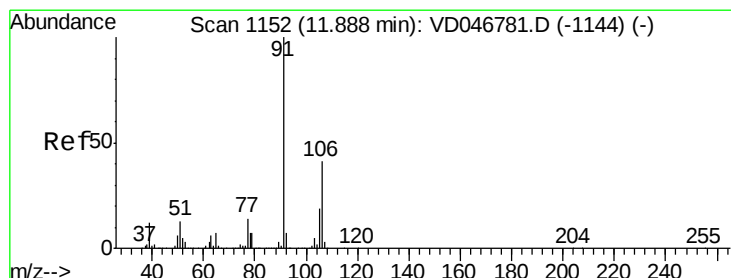
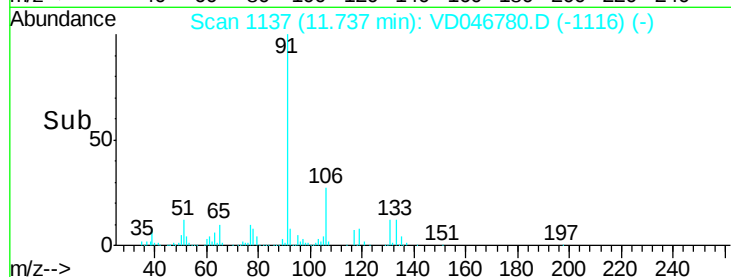
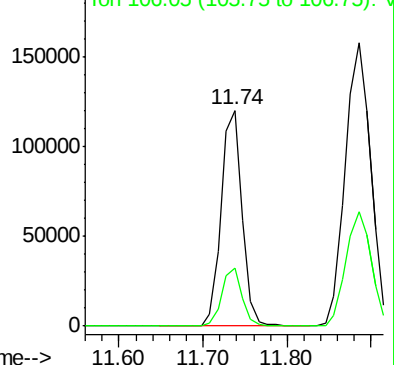
Ion Ratio Lower Upper

91 100

106 27.1 20.2 30.2



Abundance Ion 91.00 (90.70 to 91.70): VD046780.D (-1136) (-)



#68

m/p-Xylenes

Concen: 38.34 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. -0.00 min

Lab File: VD046780.D

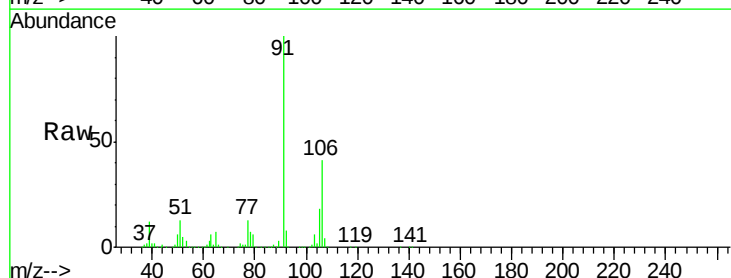
Acq: 18 Sep 2015 12:48

Tgt Ion: 106 Resp: 134744

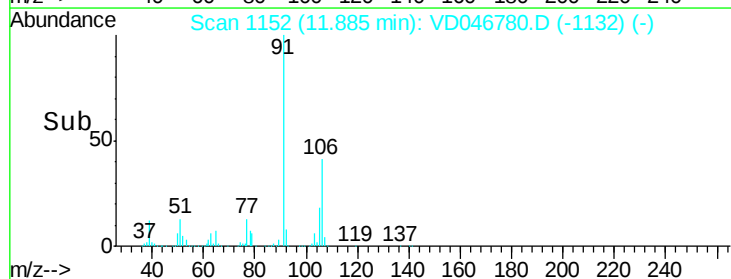
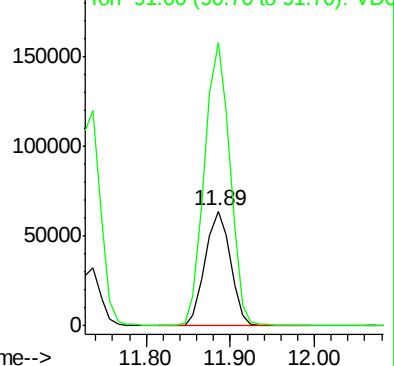
Ion Ratio Lower Upper

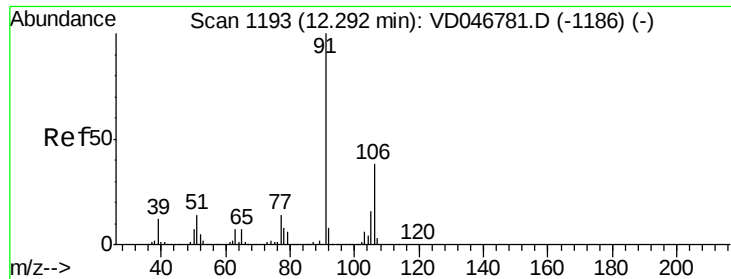
106 100

91 246.3 187.9 281.9



Abundance Ion 106.05 (105.75 to 106.75): VD046780.D (-1152) (-)

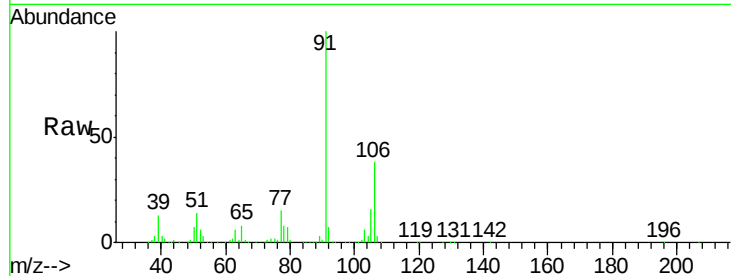




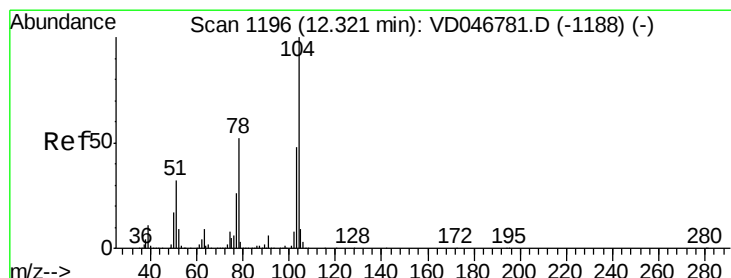
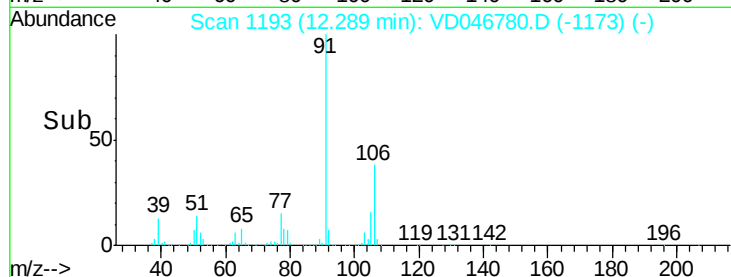
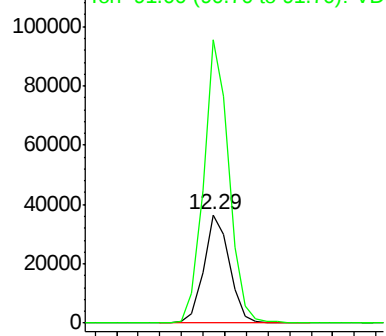
#69
o-Xylene
Concen: 19.34 ug/l
RT: 12.29 min Scan# 1193
Delta R.T. -0.00 min
Lab File: VD046780.D
Acq: 18 Sep 2015 12:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion:106 Resp: 60545
Ion Ratio Lower Upper
106 100
91 262.0 124.8 374.5

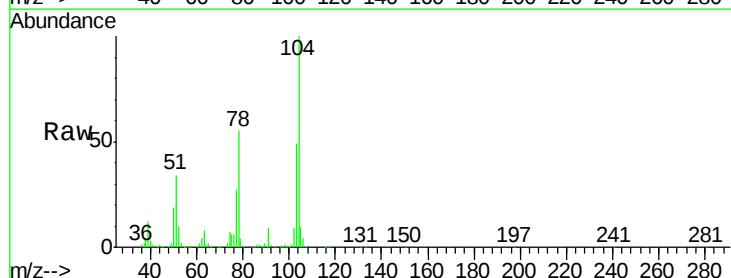


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

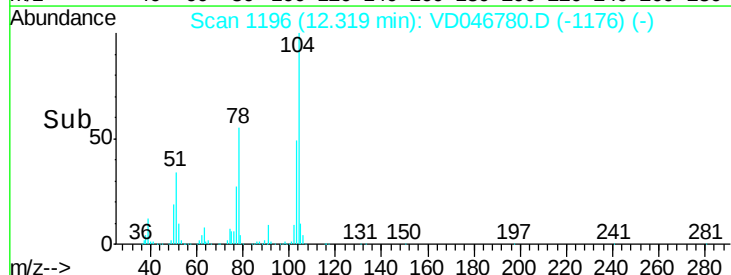
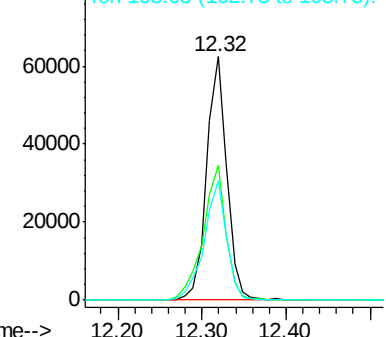


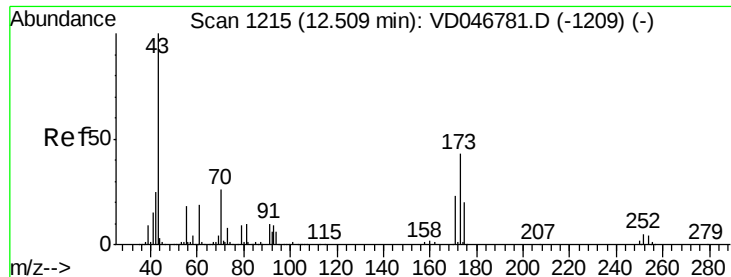
#70
Styrene
Concen: 19.56 ug/l
RT: 12.32 min Scan# 1196
Delta R.T. -0.00 min
Lab File: VD046780.D
Acq: 18 Sep 2015 12:48

Tgt Ion:104 Resp: 104250
Ion Ratio Lower Upper
104 100
78 55.4 44.5 66.7
103 49.1 40.3 60.5



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

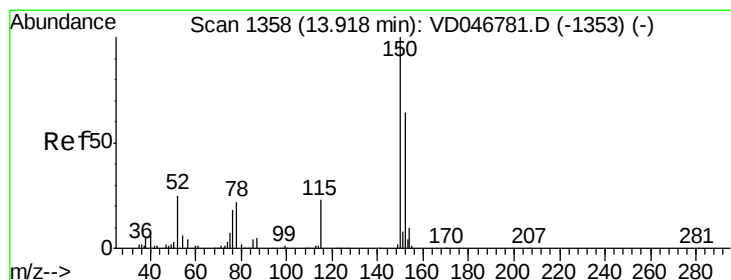
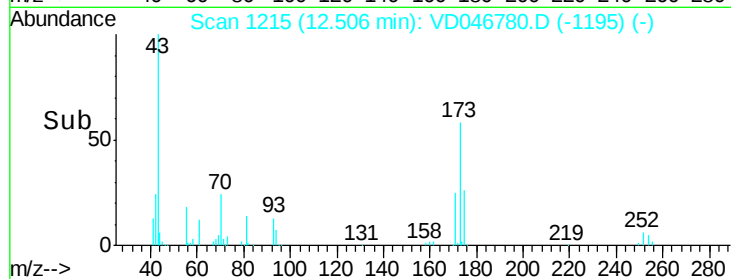
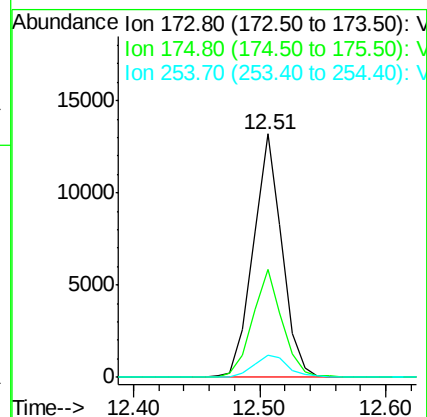
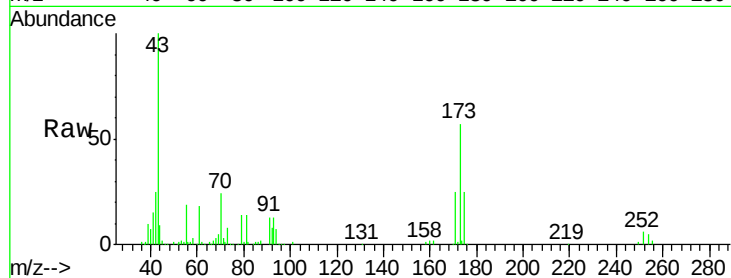




#71
Bromoform
Concen: 20.56 ug/l
RT: 12.51 min Scan# 1215
Delta R.T. -0.00 min
Lab File: VD046780.D
Acq: 18 Sep 2015 12:48

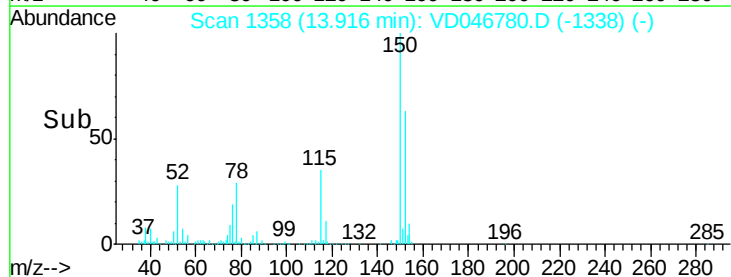
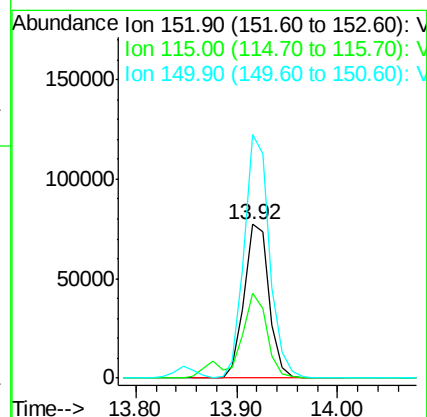
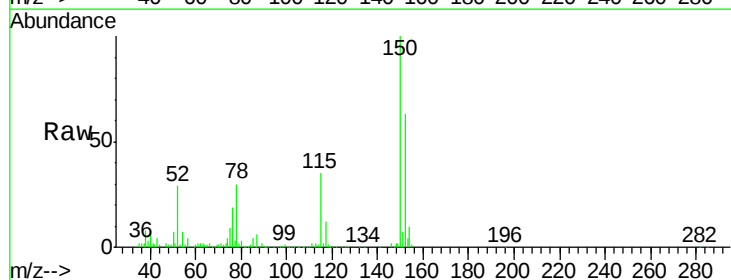
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

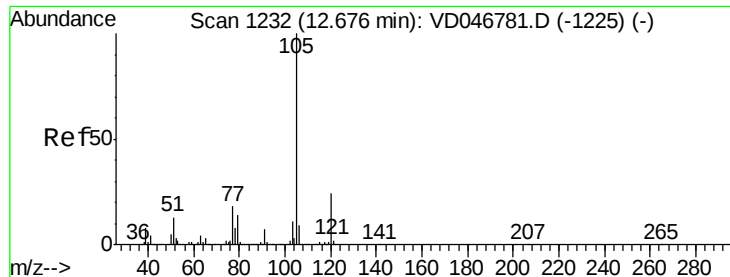
Tot Ion:173 Resp: 20903
Ion Ratio Lower Upper
173 100
175 44.4 23.1 69.3
254 9.0 8.7 13.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.92 min Scan# 1358
Delta R.T. -0.00 min
Lab File: VD046780.D
Acq: 18 Sep 2015 12:48

Tgt Ion:152 Resp: 133399
Ion Ratio Lower Upper
152 100
115 55.2 26.2 78.6
150 158.5 0.0 311.8





#73

Isopropylbenzene

Concen: 17.90 ug/l

RT: 12.67 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD046780.D

Acq: 18 Sep 2015 12:48

Instrument :

MSVOA_D

ClientSampleId :

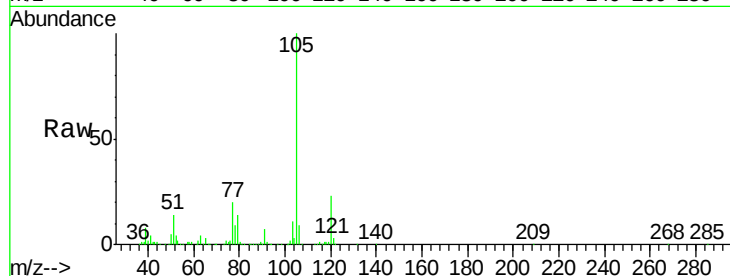
VSTDIC020

Tot Ion:105 Resp: 184429

Ion Ratio Lower Upper

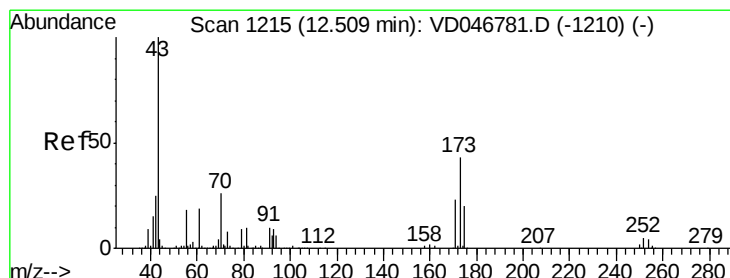
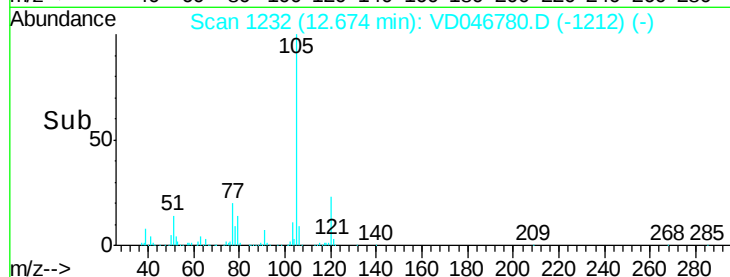
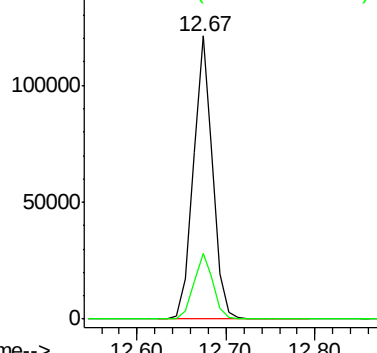
105 100

120 23.1 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: 15.93 ug/l

RT: 12.51 min Scan# 1215

Delta R.T. -0.00 min

Lab File: VD046780.D

Acq: 18 Sep 2015 12:48

Tgt Ion: 43 Resp: 36365

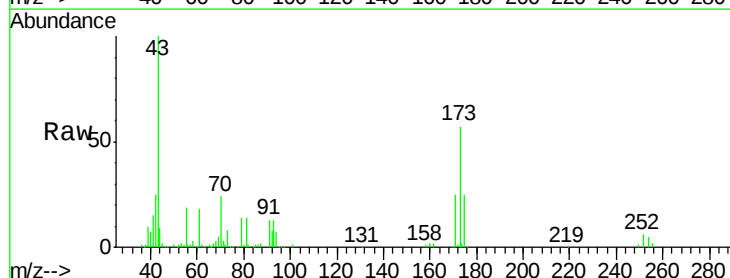
Ion Ratio Lower Upper

43 100

70 23.8 22.1 33.1

55 18.7 14.5 21.7

61 17.8 14.6 21.8

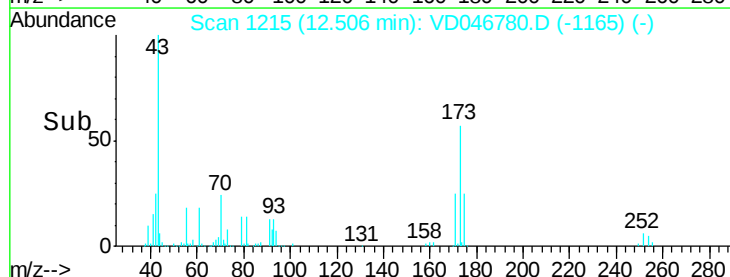
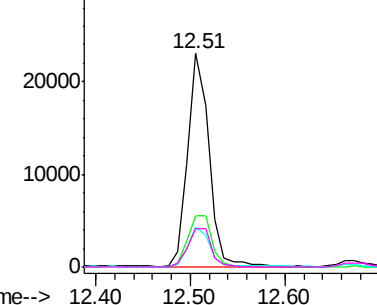


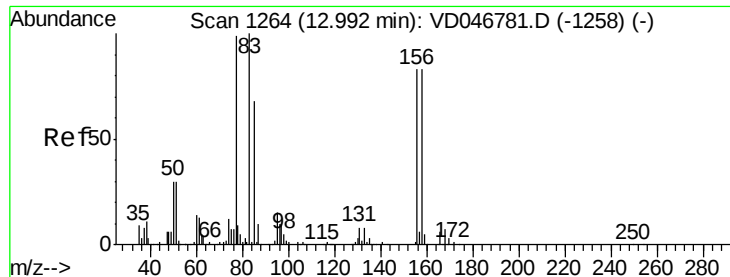
Abundance Ion 42.95 (42.65 to 43.65): VDC

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: 18.84 ug/l

RT: 12.99 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VD046780.D

Acq: 18 Sep 2015 12:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

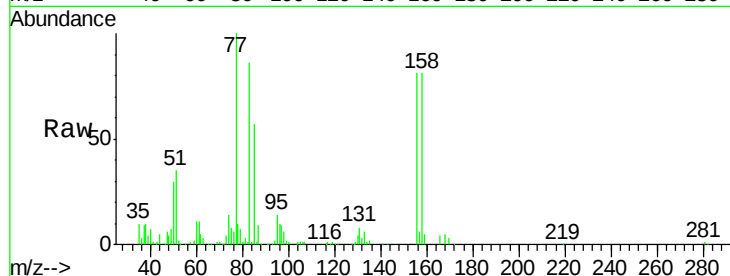
Tot Ion: 83 Resp: 28993

Ion Ratio Lower Upper

83 100

131 9.0 3.9 11.7

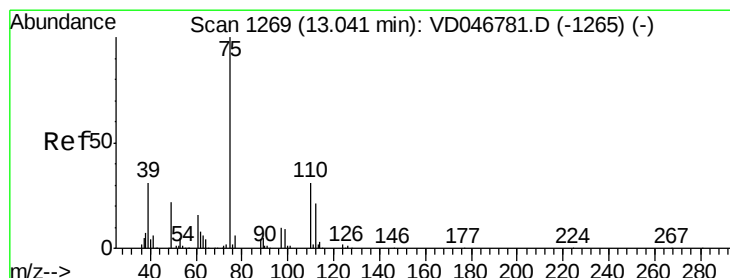
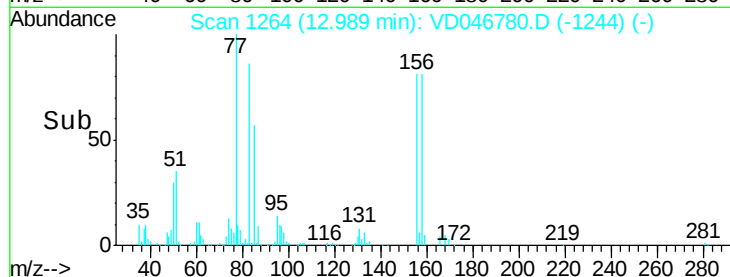
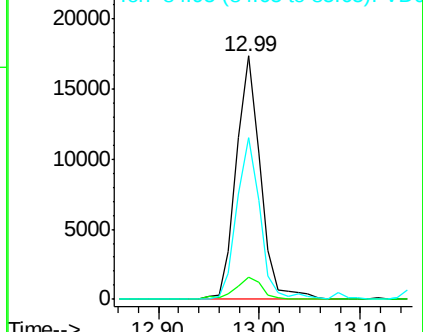
85 66.3 30.5 91.5



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: 18.32 ug/l

RT: 13.04 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VD046780.D

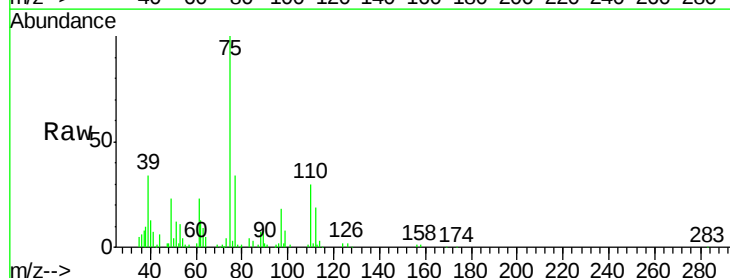
Acq: 18 Sep 2015 12:48

Tgt Ion: 75 Resp: 30509

Ion Ratio Lower Upper

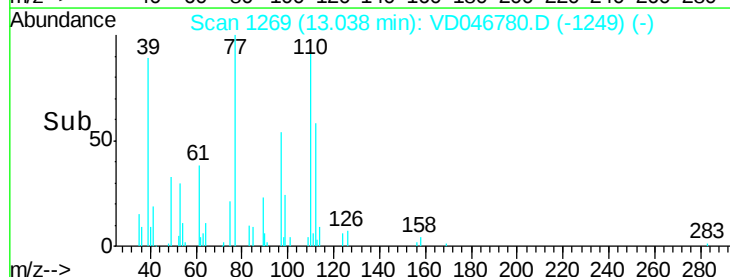
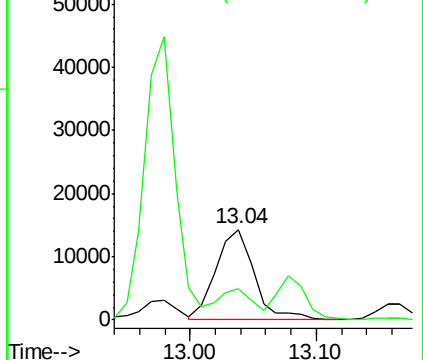
75 100

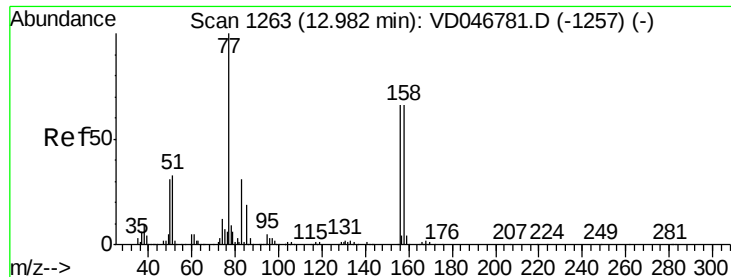
77 34.2 16.0 48.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 18.15 ug/l

RT: 12.98 min Scan# 1263

Delta R.T. -0.00 min

Lab File: VD046780.D

Acq: 18 Sep 2015 12:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

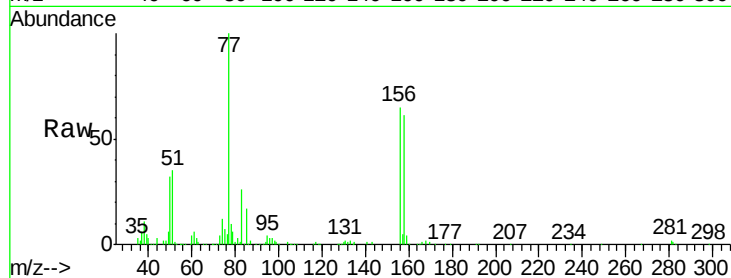
Tot Ion:156 Resp: 46132

Ion Ratio Lower Upper

156 100

77 155.0 70.3 210.8

158 95.0 49.0 147.0

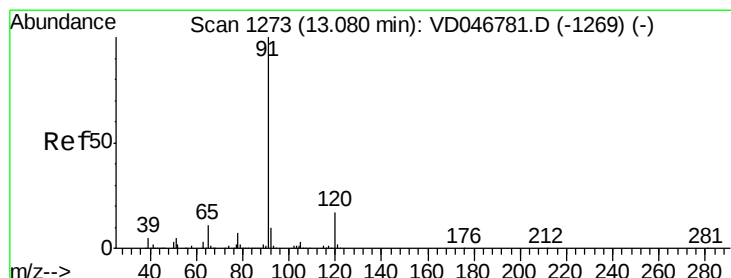
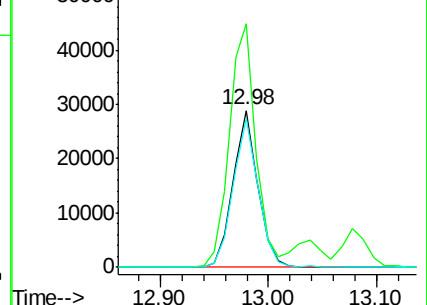
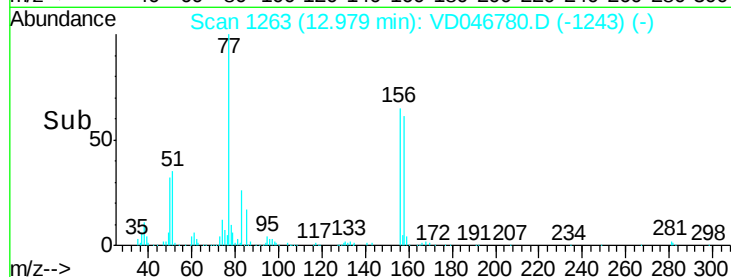


Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V

Time-->



#78

n-propylbenzene

Concen: 18.36 ug/l

RT: 13.08 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VD046780.D

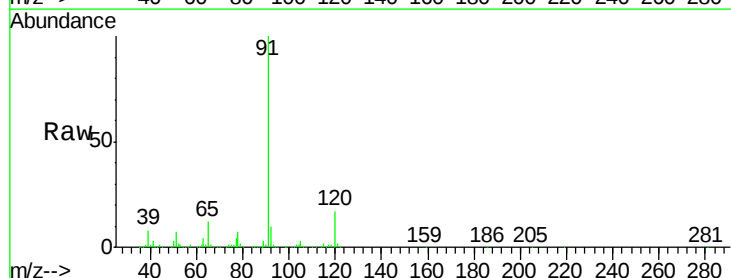
Acq: 18 Sep 2015 12:48

Tgt Ion: 91 Resp: 261813

Ion Ratio Lower Upper

91 100

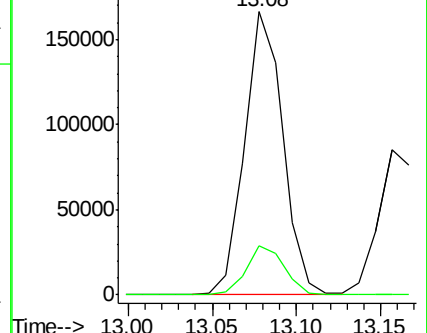
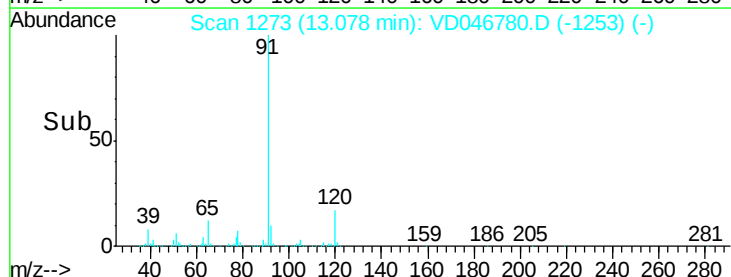
120 17.5 9.3 27.7

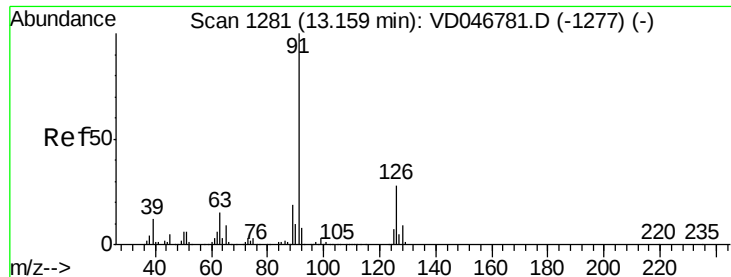


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

Time-->

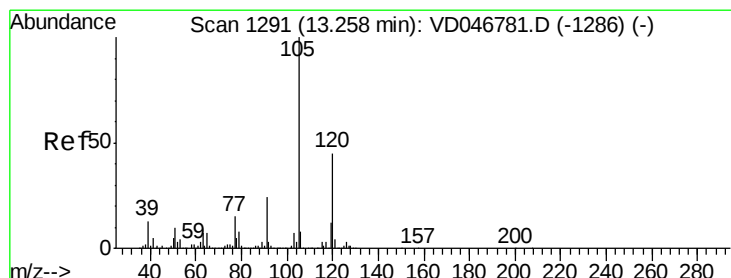
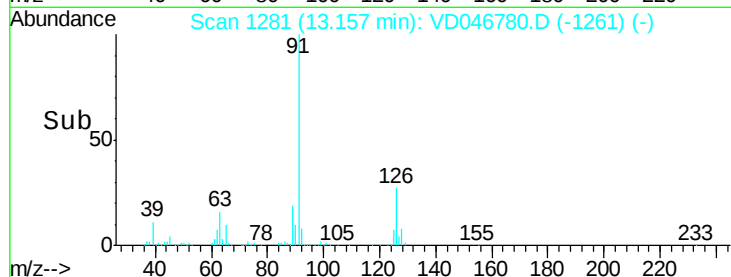
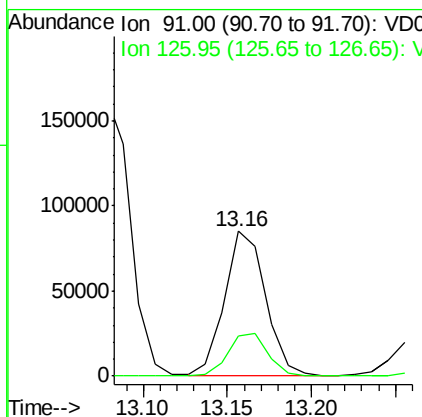
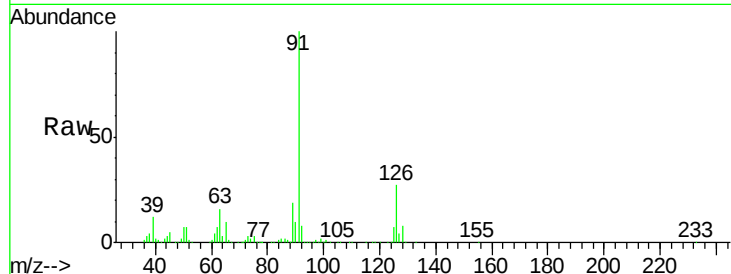




#79
 2-Chlorotoluene
 Concen: 18.15 ug/l
 RT: 13.16 min Scan# 1281
 Delta R.T. -0.00 min
 Lab File: VD046780.D
 Acq: 18 Sep 2015 12:48

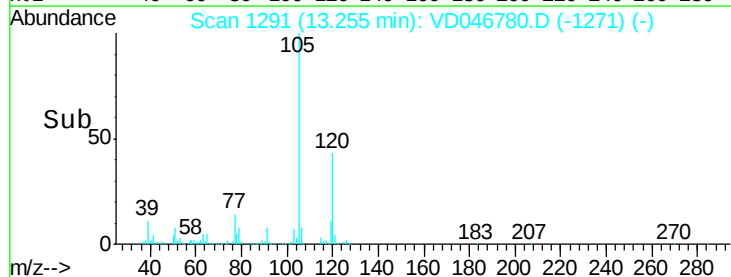
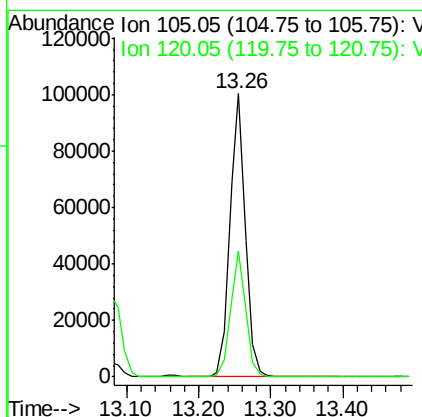
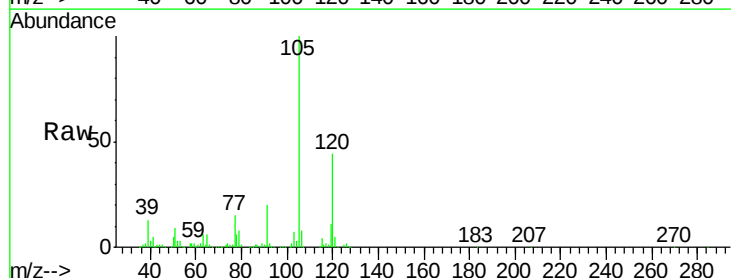
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

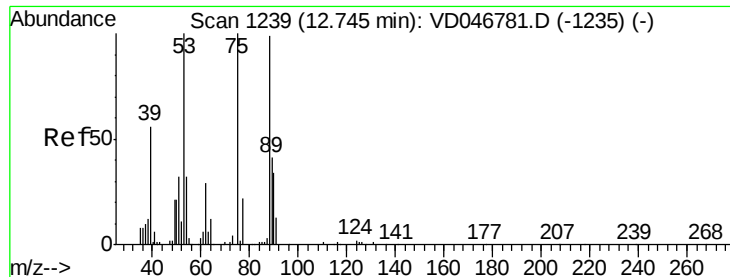
Tot Ion: 91 Resp: 142751
 Ion Ratio Lower Upper
 91 100
 126 27.4 14.1 42.4



#80
 1,3,5-Trimethylbenzene
 Concen: 18.56 ug/l
 RT: 13.26 min Scan# 1291
 Delta R.T. -0.00 min
 Lab File: VD046780.D
 Acq: 18 Sep 2015 12:48

Tgt Ion: 105 Resp: 148606
 Ion Ratio Lower Upper
 105 100
 120 44.3 22.3 66.8





#81

trans-1,4-Dichloro-2-butene

Concen: 16.82 ug/l

RT: 12.74 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VD046780.D

Acq: 18 Sep 2015 12:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

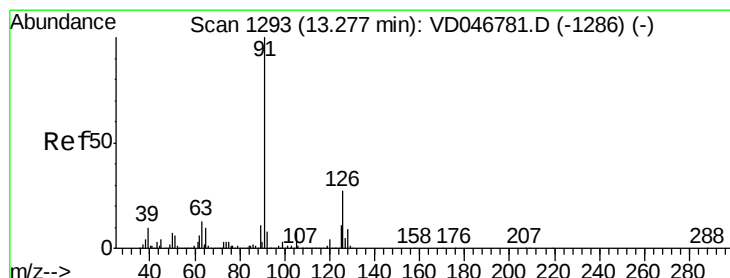
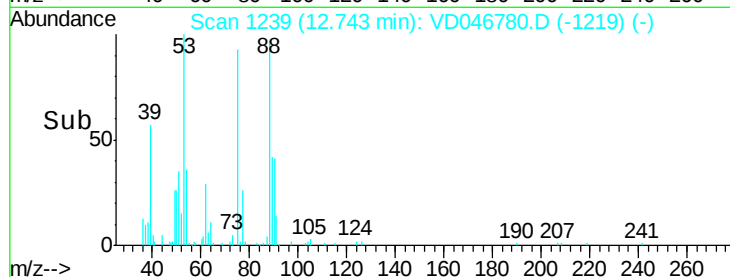
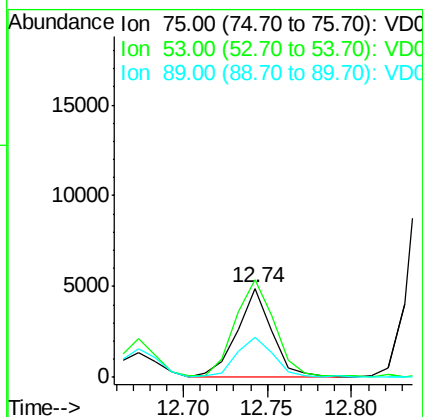
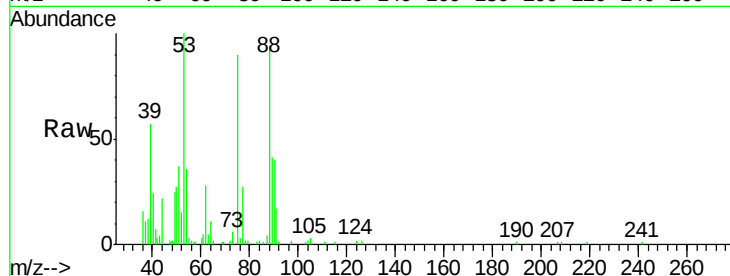
Tot Ion: 75 Resp: 7151

Ion Ratio Lower Upper

75 100

53 110.6 82.3 123.5

89 45.6 36.6 54.8



#82

4-Chlorotoluene

Concen: 18.71 ug/l

RT: 13.27 min Scan# 1293

Delta R.T. -0.00 min

Lab File: VD046780.D

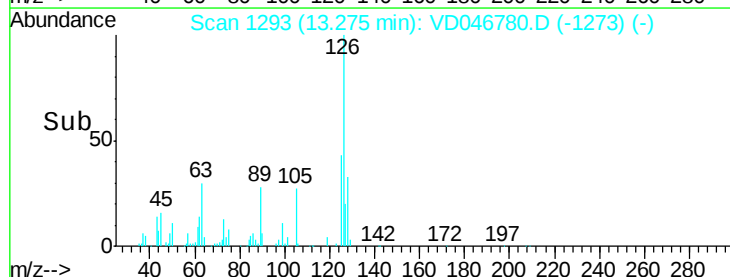
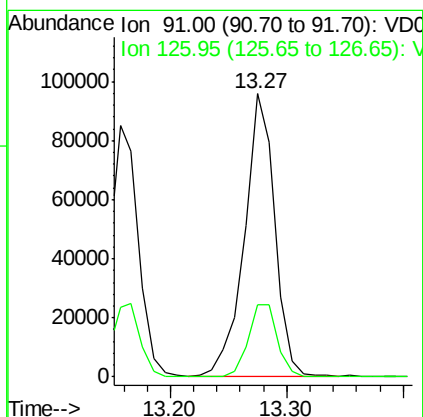
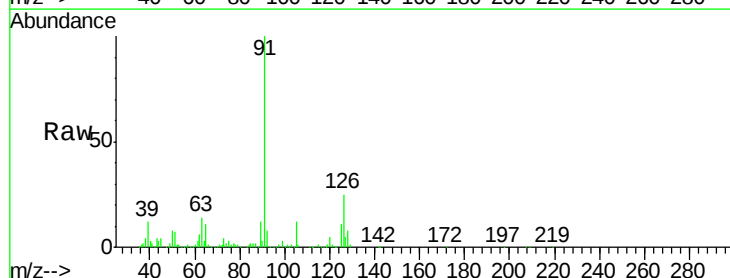
Acq: 18 Sep 2015 12:48

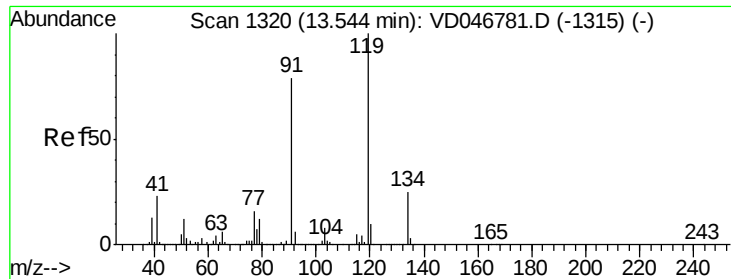
Tgt Ion: 91 Resp: 172174

Ion Ratio Lower Upper

91 100

126 25.4 14.1 42.4

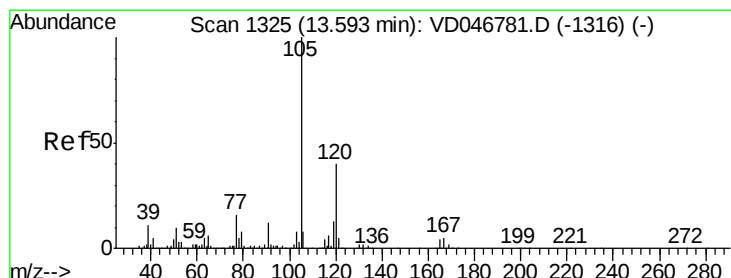
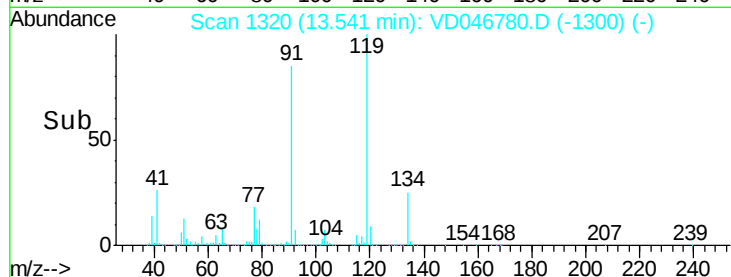
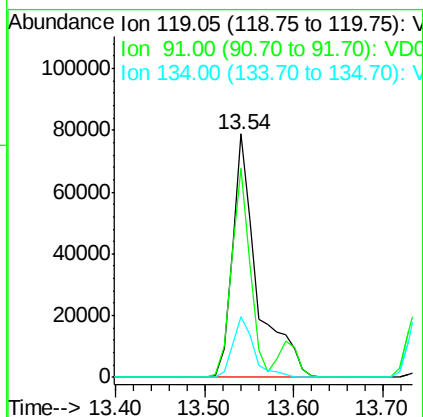
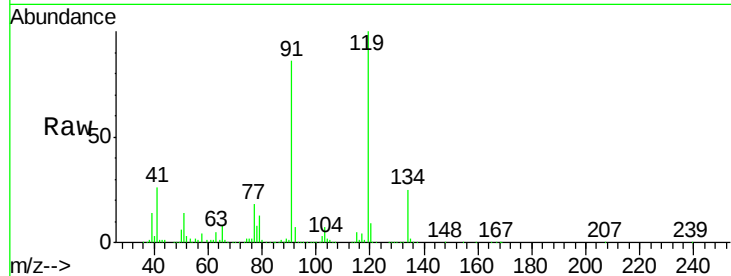




#83
 tert-Butylbenzene
 Concen: 22.89 ug/l
 RT: 13.54 min Scan# 1320
 Delta R.T. -0.00 min
 Lab File: VD046780.D
 Acq: 18 Sep 2015 12:48

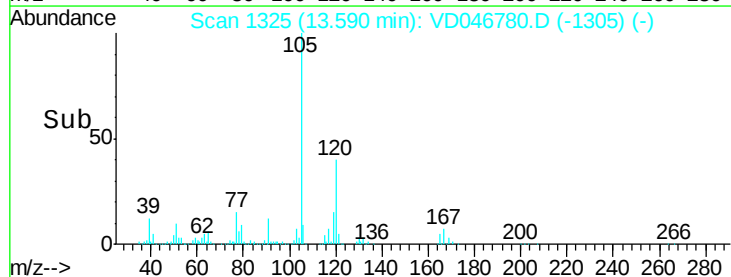
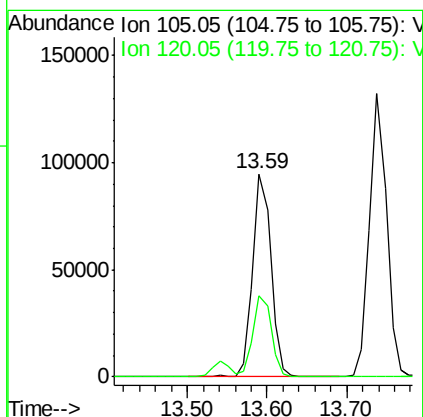
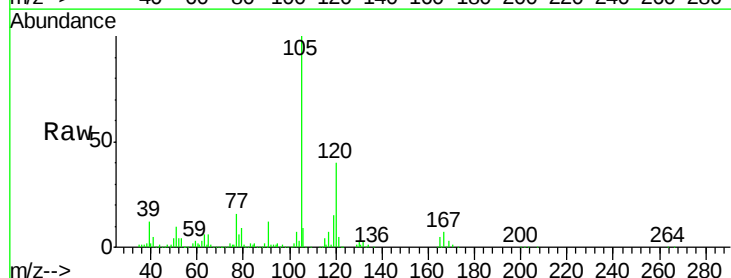
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

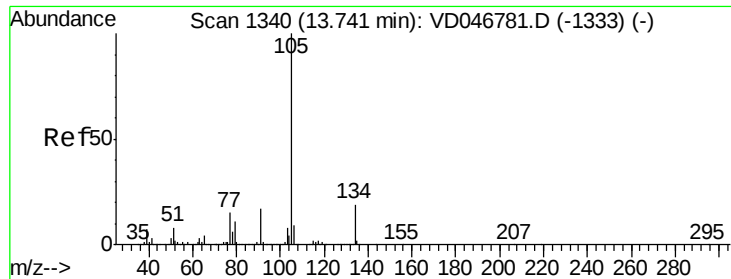
Tot Ion:119 Resp: 154308
 Ion Ratio Lower Upper
 119 100
 91 85.7 41.6 124.9
 134 24.7 12.4 37.4



#84
 1,2,4-Trimethylbenzene
 Concen: 18.64 ug/l
 RT: 13.59 min Scan# 1325
 Delta R.T. -0.00 min
 Lab File: VD046780.D
 Acq: 18 Sep 2015 12:48

Tgt Ion:105 Resp: 149349
 Ion Ratio Lower Upper
 105 100
 120 39.9 21.1 63.1





#85

sec-Butylbenzene

Concen: 18.71 ug/l

RT: 13.74 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VD046780.D

Acq: 18 Sep 2015 12:48

Instrument :

MSVOA_D

ClientSampleId :

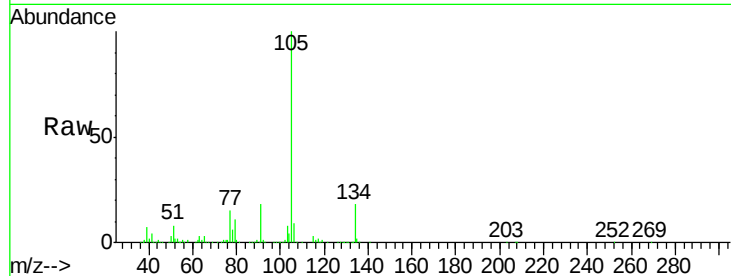
VSTDIC020

Tot Ion:105 Resp: 194410

Ion Ratio Lower Upper

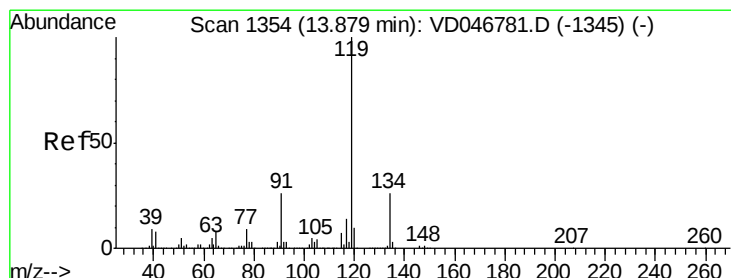
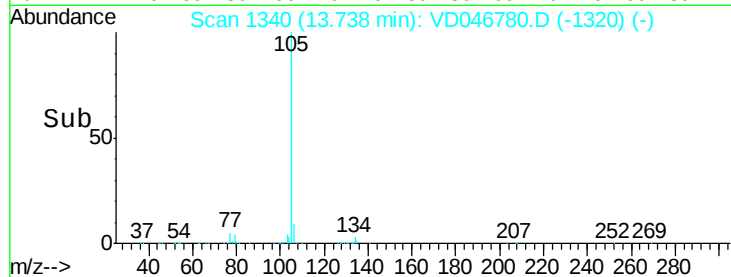
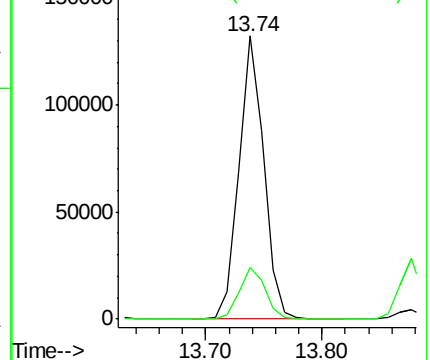
105 100

134 18.2 10.1 30.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 18.95 ug/l

RT: 13.88 min Scan# 1354

Delta R.T. -0.00 min

Lab File: VD046780.D

Acq: 18 Sep 2015 12:48

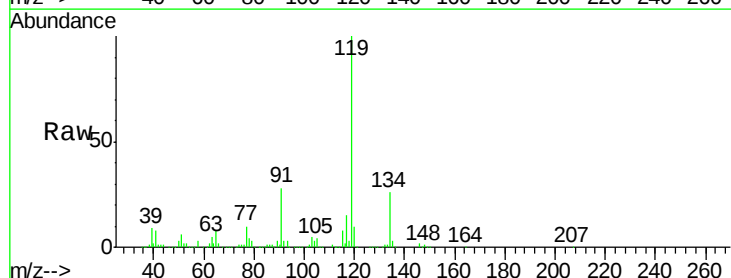
Tgt Ion:119 Resp: 154979

Ion Ratio Lower Upper

119 100

134 26.0 13.0 38.9

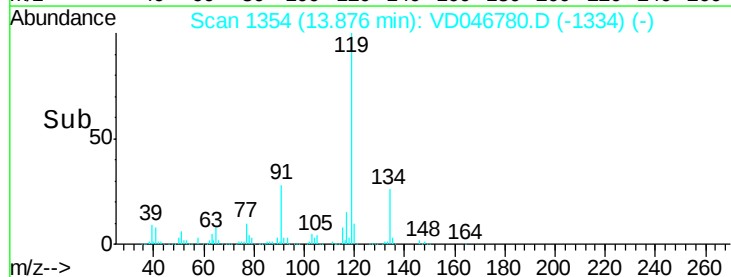
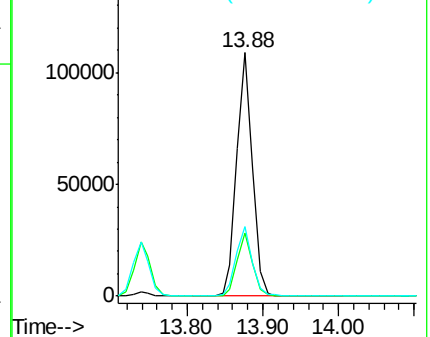
91 28.4 13.8 41.3

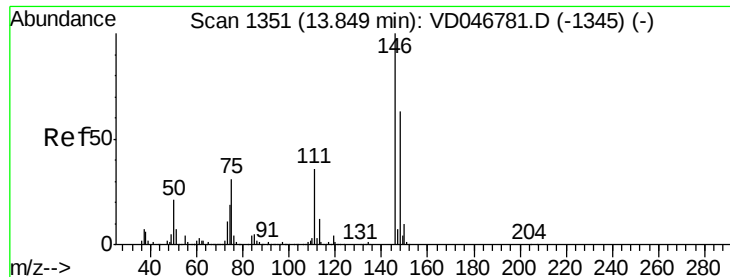


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 18.21 ug/l

RT: 13.85 min Scan# 1351

Delta R.T. -0.00 min

Lab File: VD046780.D

Acq: 18 Sep 2015 12:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

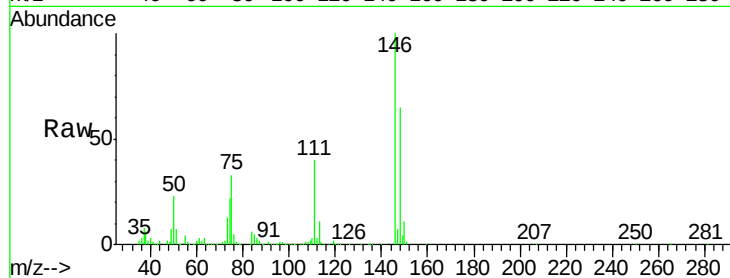
Tot Ion:146 Resp: 83539

Ion Ratio Lower Upper

146 100

111 40.3 17.4 52.2

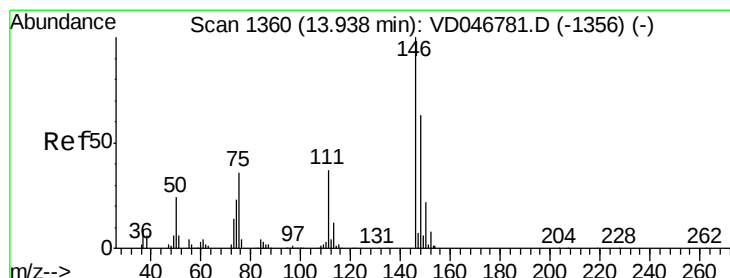
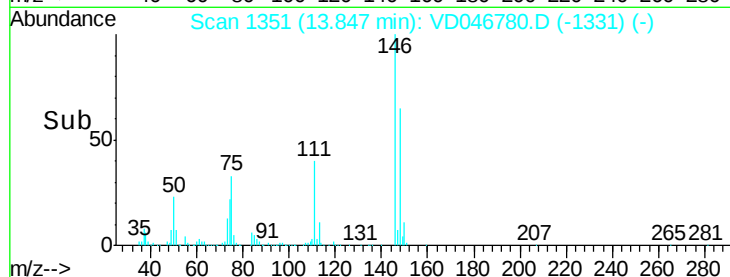
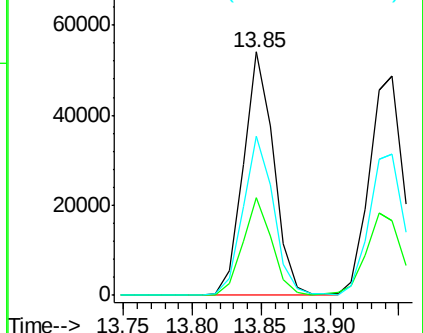
148 65.4 33.0 99.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 18.76 ug/l

RT: 13.95 min Scan# 1361

Delta R.T. 0.01 min

Lab File: VD046780.D

Acq: 18 Sep 2015 12:48

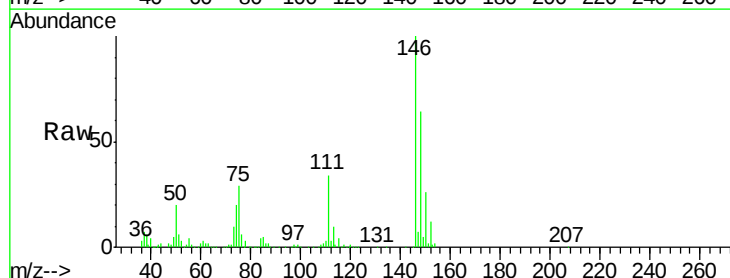
Tgt Ion:146 Resp: 85080

Ion Ratio Lower Upper

146 100

111 33.9 17.0 51.0

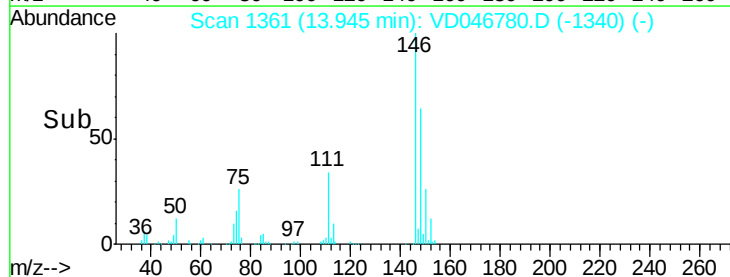
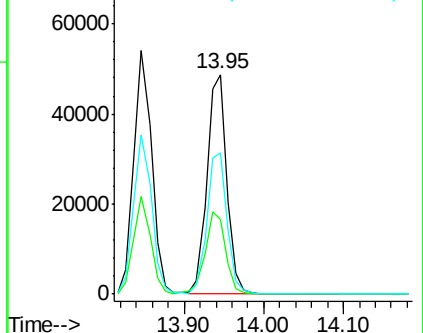
148 64.3 31.9 95.7

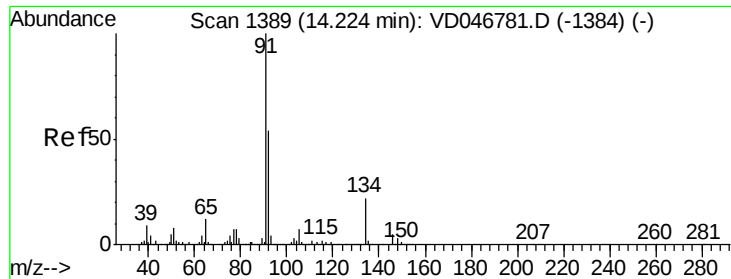


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 19.00 ug/l

RT: 14.22 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD046780.D

Acq: 18 Sep 2015 12:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

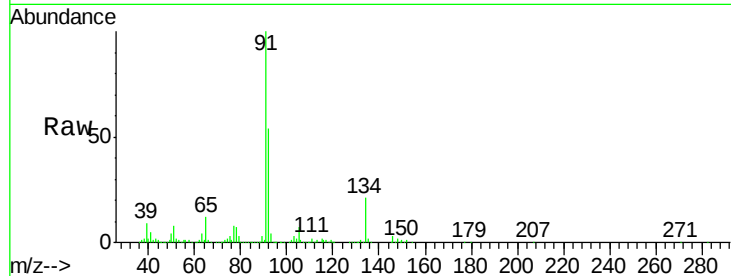
Tot Ion: 91 Resp: 173216

Ion Ratio Lower Upper

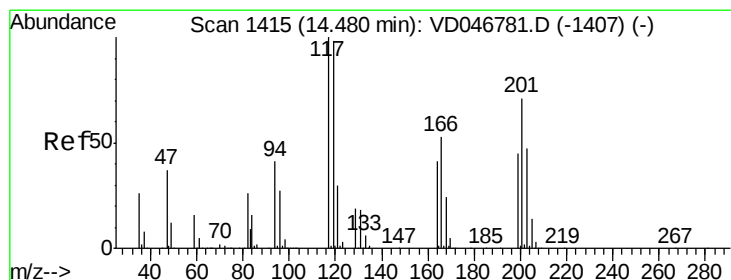
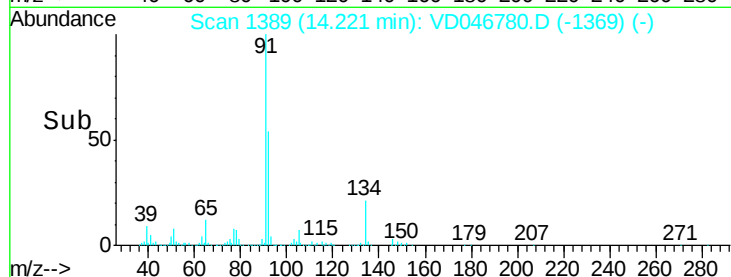
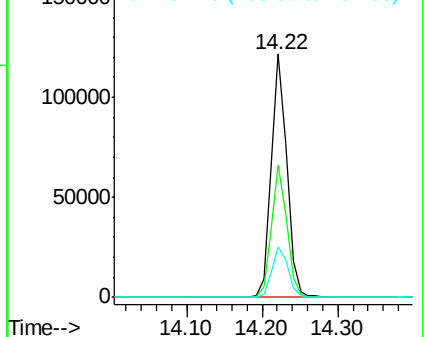
91 100

92 54.3 27.1 81.2

134 20.8 9.6 28.6



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



#90

Hexachloroethane

Concen: 19.15 ug/l

RT: 14.48 min Scan# 1415

Delta R.T. -0.00 min

Lab File: VD046780.D

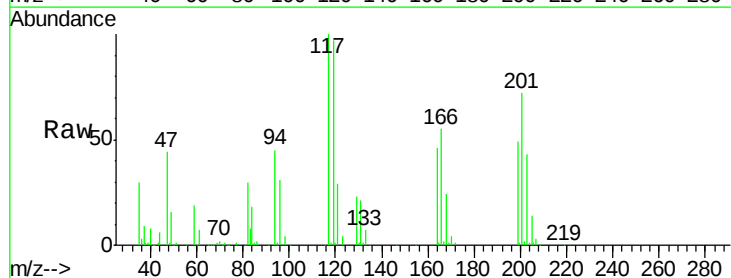
Acq: 18 Sep 2015 12:48

Tgt Ion: 117 Resp: 34966

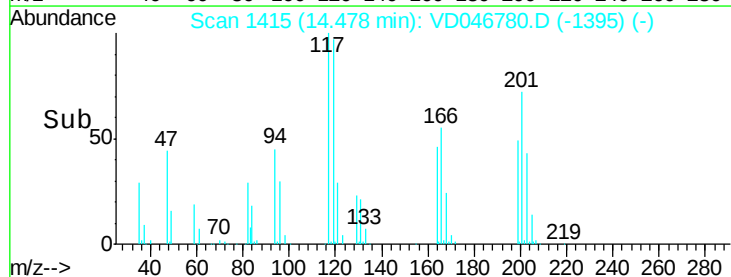
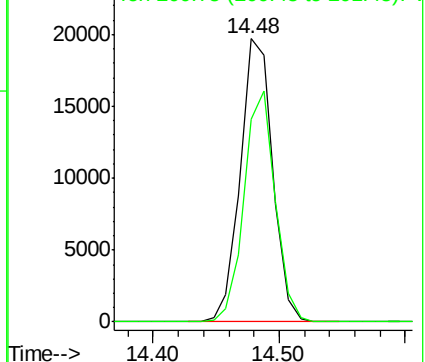
Ion Ratio Lower Upper

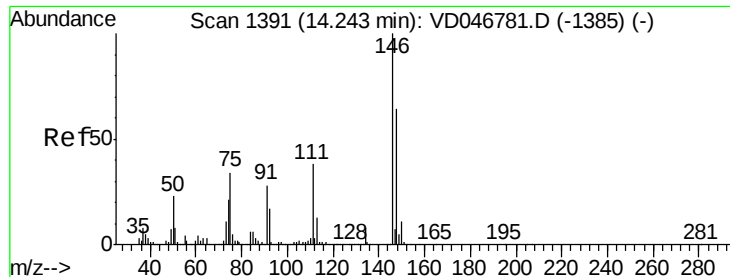
117 100

201 71.5 41.0 123.0



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V





#91

1,2-Dichlorobenzene

Concen: 19.36 ug/l

RT: 14.24 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VD046780.D

Acq: 18 Sep 2015 12:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

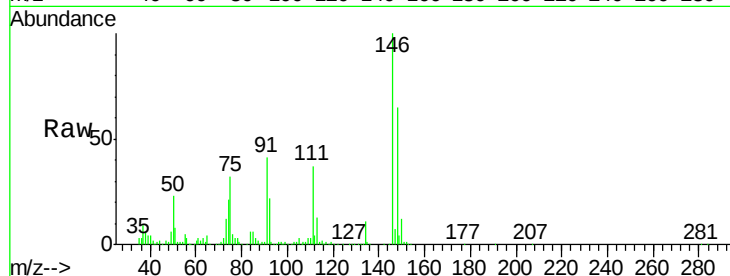
Tot Ion:146 Resp: 72603

Ion Ratio Lower Upper

146 100

111 37.4 18.2 54.6

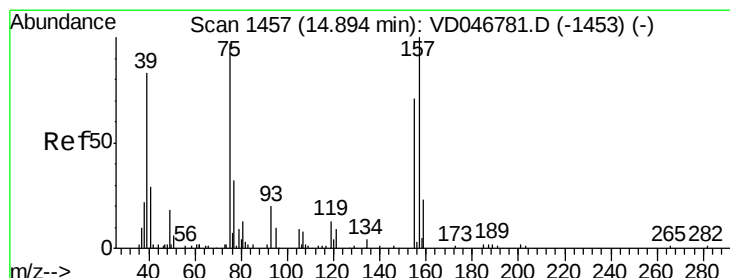
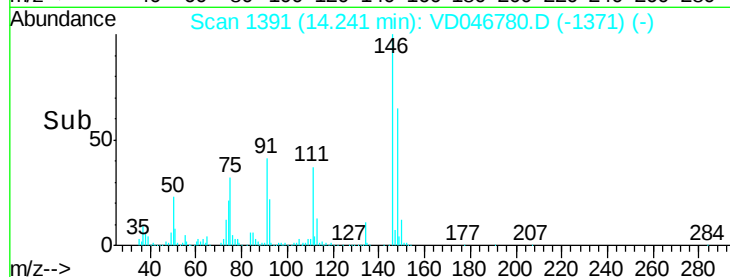
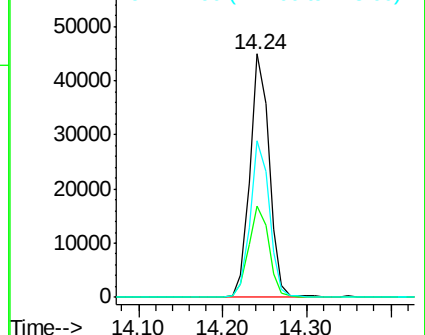
148 64.5 31.1 93.3



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: 18.60 ug/l

RT: 14.89 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VD046780.D

Acq: 18 Sep 2015 12:48

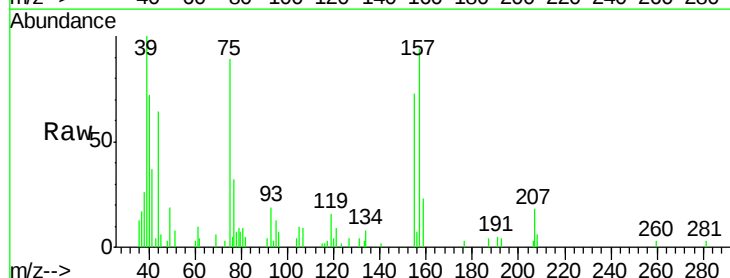
Tgt Ion: 75 Resp: 3529

Ion Ratio Lower Upper

75 100

155 82.0 41.4 124.4

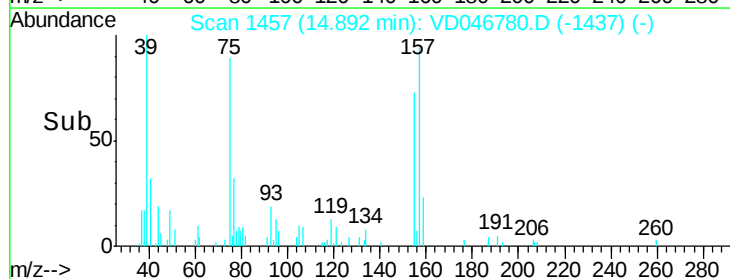
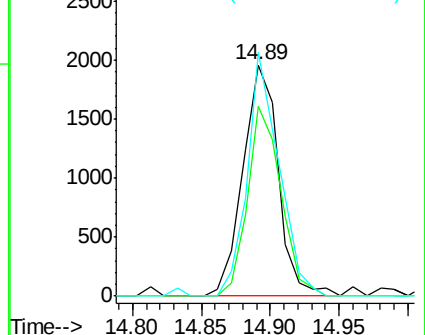
157 105.2 65.0 195.1

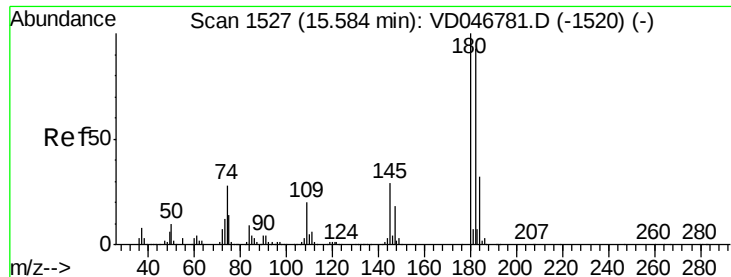


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

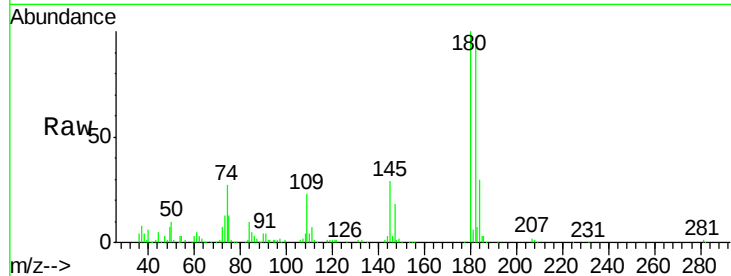




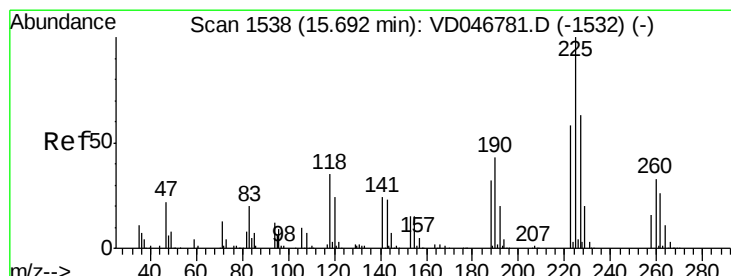
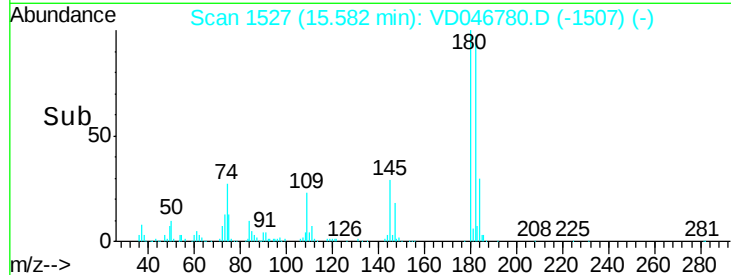
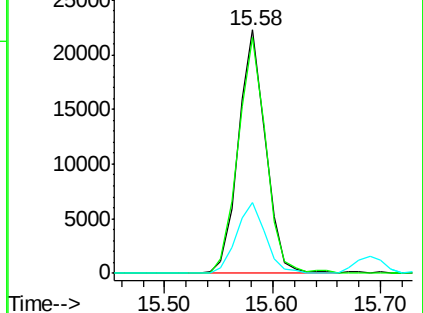
#93
 1,2,4-Trichlorobenzene
 Concen: 17.50 ug/l
 RT: 15.58 min Scan# 1527
 Delta R.T. -0.00 min
 Lab File: VD046780.D
 Acq: 18 Sep 2015 12:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion:180 Resp: 38972
 Ion Ratio Lower Upper
 180 100
 182 96.7 47.5 142.5
 145 29.3 14.6 44.0

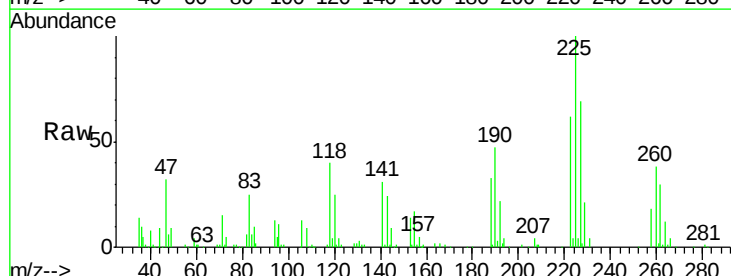


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

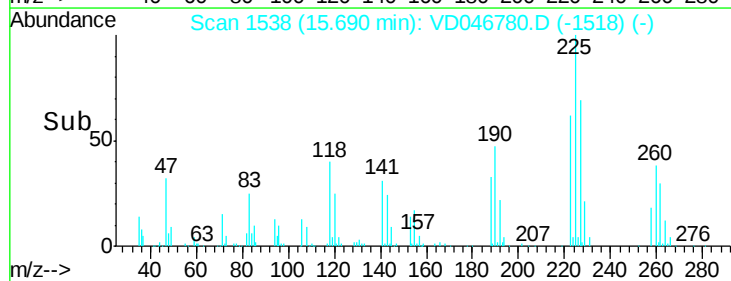
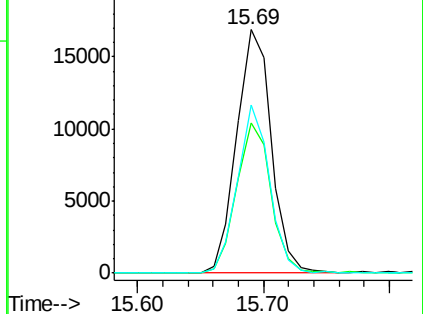


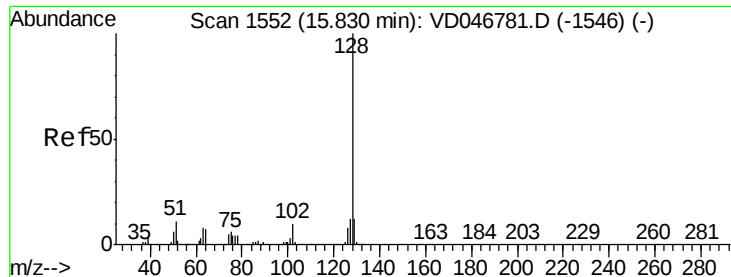
#94
 Hexachlorobutadiene
 Concen: 17.75 ug/l
 RT: 15.69 min Scan# 1538
 Delta R.T. -0.00 min
 Lab File: VD046780.D
 Acq: 18 Sep 2015 12:48

Tgt Ion:225 Resp: 32216
 Ion Ratio Lower Upper
 225 100
 223 61.8 30.4 91.2
 227 68.8 31.3 93.9



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





#95

Naphthalene

Concen: 18.05 ug/l

RT: 15.83 min Scan# 1552

Delta R.T. -0.00 min

Lab File: VD046780.D

Acq: 18 Sep 2015 12:48

Instrument :

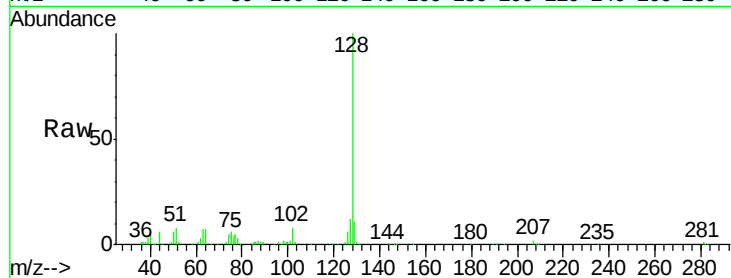
MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion:128 Resp: 46580

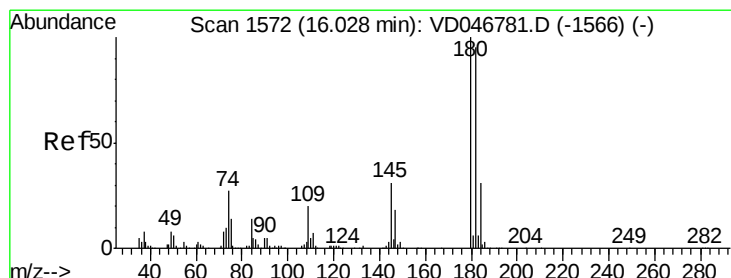
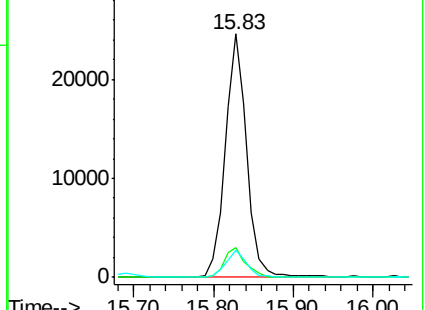
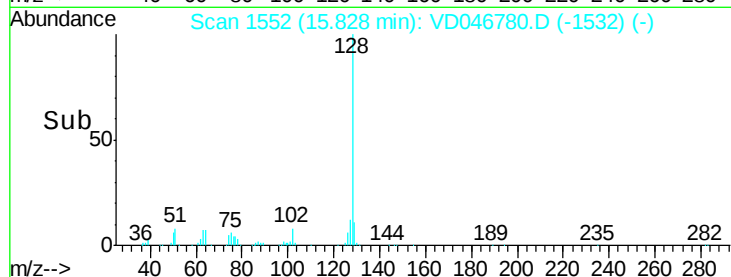
Ion	Ratio	Lower	Upper
128	100		
127	12.1	9.8	14.6
129	11.2	8.6	12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 18.57 ug/l

RT: 16.03 min Scan# 1572

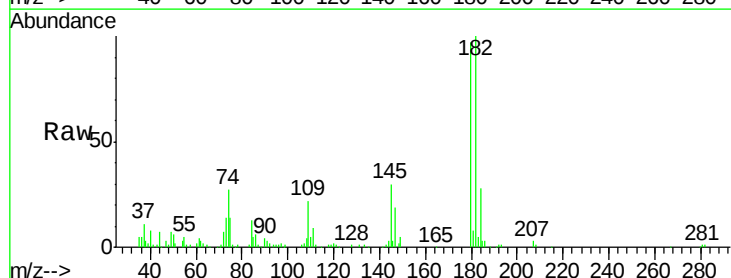
Delta R.T. -0.00 min

Lab File: VD046780.D

Acq: 18 Sep 2015 12:48

Tgt Ion:180 Resp: 34324

Ion	Ratio	Lower	Upper
180	100		
182	102.7	47.4	142.3
145	31.1	15.4	46.4



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

