

Data Path : W:\HPCHEM1\MSVOA D\DATA\VD091815\
 Data File : VD046786.D
 Acq On : 18 Sep 2015 16:58
 Operator : FY/SY
 Sample : VD0918SBS01
 Misc : 5.00µm/5mL/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 18 19:31:29 2015
 Quant Method : W:\HPCHEM1\MSVOA_D\METHOD\82D091815S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 18 15:47:18 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.32	168	199045	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.44	114	248791	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.58	117	240104	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.92	152	127980	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.72	65	105094	50.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.56%	
35) Dibromofluoromethane	6.22	113	105527	54.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.42%	
50) Toluene-d8	9.62	98	351187	57.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.38%	
62) 4-Bromofluorobenzene	12.85	95	139197	56.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.60%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.42	85	44125	21.82	ug/l	99
3) Chlorodifluoromethane	1.44	51	34525	19.49	ug/l	# 93
4) Chloromethane	1.58	50	24792	21.13	ug/l	99
5) Vinyl Chloride	1.68	62	22729	20.63	ug/l	98
6) Bromomethane	1.98	94	22621	21.35	ug/l	98
7) Chloroethane	2.09	64	13884	20.13	ug/l	89
8) Trichlorofluoromethane	2.33	101	66419	20.38	ug/l	99
9) Diethyl Ether	2.64	74	12649	21.89	ug/l	75
10) 1,1,2-Trichlorotrifluoroet	2.90	101	42369	20.77	ug/l	96
11) Methyl Iodide	3.05	142	33873	15.46	ug/l	97
12) Tert butyl alcohol	3.68	59	9612	111.35	ug/l	# 85
13) 1,1-Dichloroethene	2.89	96	33856	21.23	ug/l	90
14) Acrolein	2.79	56	10249	96.94	ug/l	97
15) Allyl chloride	3.34	41	67972	20.99	ug/l	96
16) Acrylonitrile	3.85	53	24694	102.19	ug/l	96
17) Acetone	2.96	43	36927	105.60	ug/l	99
18) Carbon Disulfide	3.13	76	121411	20.32	ug/l	99
19) Methyl Acetate	3.34	43	40641	20.06	ug/l	94
20) Methyl tert-butyl Ether	3.91	73	52131	20.87	ug/l	92
21) Methylene Chloride	3.51	84	40977	21.58	ug/l	94
22) trans-1,2-Dichloroethene	3.90	96	38254	21.27	ug/l	89
23) Diisopropyl ether	4.66	45	111844	20.81	ug/l	# 89
24) Vinyl Acetate	4.61	43	106203	94.23	ug/l	97
25) 1,1-Dichloroethane	4.56	63	66702	20.15	ug/l	99
26) 2-Butanone	5.46	43	40360	102.70	ug/l	# 92
27) 2,2-Dichloropropane	5.43	77	67516	19.85	ug/l	99
28) cis-1,2-Dichloroethene	5.44	96	38652	20.65	ug/l	88
29) Bromochloromethane	5.79	49	26687	20.46	ug/l	95
30) Chloroform	5.98	83	80849	20.13	ug/l	94
31) Cyclohexane	6.28	56	64846	20.87	ug/l	97
32) 1,1,1-Trichloroethane	6.19	97	73326	20.51	ug/l	94
36) 1,1-Dichloropropene	6.44	75	61158	21.03	ug/l	98
37) Ethyl Acetate	5.56	43	19713	21.11	ug/l	# 93
38) Carbon Tetrachloride	6.42	117	63135	20.90	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.09	83	64156	21.78	ug/l	95
40) Benzene	6.73	78	155606	20.97	ug/l	99
41) Methacrylonitrile	5.78	41	10768	20.56	ug/l #	85
42) 1,2-Dichloroethane	6.84	62	49757	21.58	ug/l	100
43) Isopropyl Acetate	8.43	43	26582	21.59	ug/l #	91
44) Trichloroethene	7.76	130	39461	21.24	ug/l	98
45) 1,2-Dichloropropane	8.15	63	37671	20.49	ug/l	98
46) Dibromomethane	8.28	93	21747	20.83	ug/l	94
47) Bromodichloromethane	8.56	83	59008	21.53	ug/l	96
48) Methyl methacrylate	8.09	41	41292	21.94	ug/l	99
49) 1,4-Dioxane	8.30	88	2919	419.23	ug/l	87
51) 4-Methyl-2-Pentanone	9.49	43	96424	108.39	ug/l	92
52) Toluene	9.73	92	97836	21.37	ug/l	97
53) t-1,3-Dichloropropene	10.13	75	42337	20.92	ug/l	98
54) cis-1,3-Dichloropropene	9.24	75	55044	21.13	ug/l	93
55) 1,1,2-Trichloroethane	10.41	97	25305	21.35	ug/l	98
56) Ethyl methacrylate	10.25	69	22120	20.47	ug/l	92
57) 1,3-Dichloropropane	10.62	76	46075	20.90	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.04	63	60016	106.41	ug/l	100
59) 2-Hexanone	10.71	43	68114	105.98	ug/l	95
60) Dibromochloromethane	10.89	129	33866	20.82	ug/l	99
61) 1,2-Dibromoethane	11.02	107	24395	20.84	ug/l	92
64) Tetrachloroethene	10.48	164	40373	20.82	ug/l	95
65) Chlorobenzene	11.61	112	105659	20.91	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	36913	19.89	ug/l	98
67) Ethyl Benzene	11.74	91	217133	21.38	ug/l	98
68) m/p-Xylenes	11.89	106	138692	43.31	ug/l	94
69) o-Xylene	12.29	106	62613	21.72	ug/l	94
70) Styrene	12.32	104	106792	21.37	ug/l	97
71) Bromoform	12.51	173	20196	20.43	ug/l	96
73) Isopropylbenzene	12.68	105	194899	21.60	ug/l	97
74) N-amyl acetate	12.51	43	38656	20.14	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.99	83	30223	20.76	ug/l	90
76) 1,2,3-Trichloropropane	13.04	75	31245	20.06	ug/l	97
77) Bromobenzene	12.98	156	47096	20.76	ug/l	92
78) n-propylbenzene	13.08	91	276637	21.71	ug/l	96
79) 2-Chlorotoluene	13.17	91	135224	19.12	ug/l	97
80) 1,3,5-Trimethylbenzene	13.26	105	153030	21.29	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.74	75	7542	20.03	ug/l	93
82) 4-Chlorotoluene	13.28	91	175584	20.86	ug/l	98
83) tert-Butylbenzene	13.54	119	162263	25.03	ug/l	99
84) 1,2,4-Trimethylbenzene	13.59	105	153353	21.19	ug/l	97
85) sec-Butylbenzene	13.74	105	205341	21.55	ug/l	98
86) p-Isopropyltoluene	13.88	119	162851	21.75	ug/l	99
87) 1,3-Dichlorobenzene	13.85	146	88333	20.87	ug/l	96
88) 1,4-Dichlorobenzene	13.94	146	89308	21.22	ug/l	97
89) n-Butylbenzene	14.22	91	183660	21.72	ug/l	99
90) Hexachloroethane	14.48	117	36718	21.15	ug/l	88
91) 1,2-Dichlorobenzene	14.24	146	76491	21.51	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.89	75	3778	20.19	ug/l	88

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QLast Update : Fri Sep 18 15:47:18 2015
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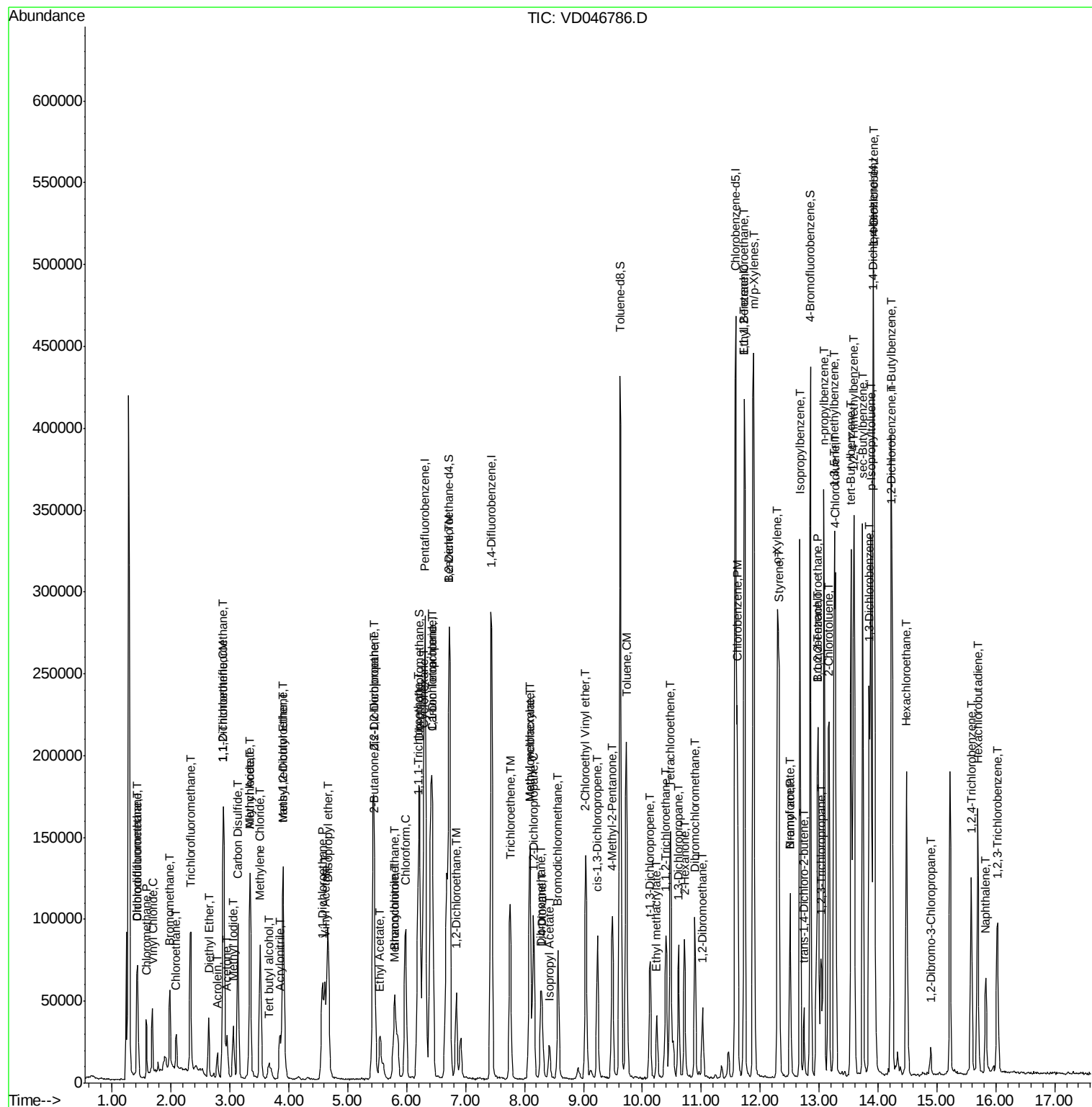
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.58	180	43172	21.09	µg/l	93
94) Hexachlorobutadiene	15.69	225	35477	21.05	µg/l	99
95) Naphthalene	15.83	128	50610	20.16	µg/l	99
96) 1,2,3-Trichlorobenzene	16.03	180	36410	21.28	µg/l	99

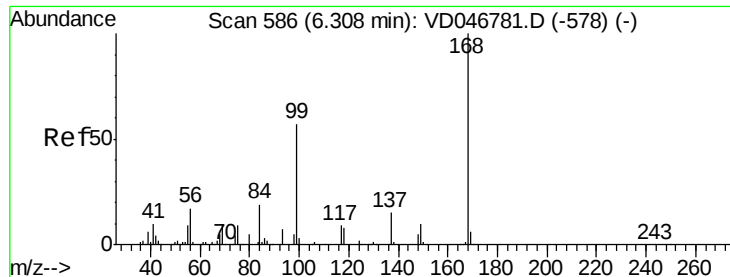
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.32 min Scan# 587

Delta R.T. 0.01 min

Lab File: VD046786.D

Acq: 18 Sep 2015 16:58

Instrument :

MSVOA_D

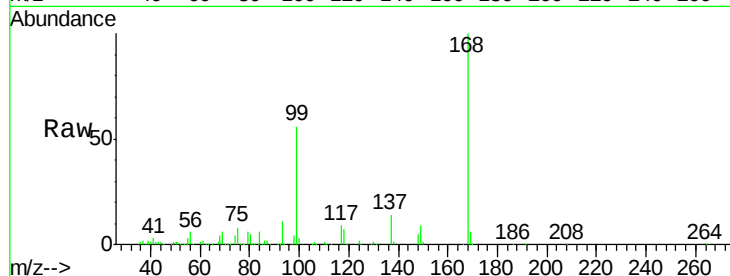
ClientSampleId :

Tot Ion:168 Resp: 199045

Ion Ratio Lower Upper

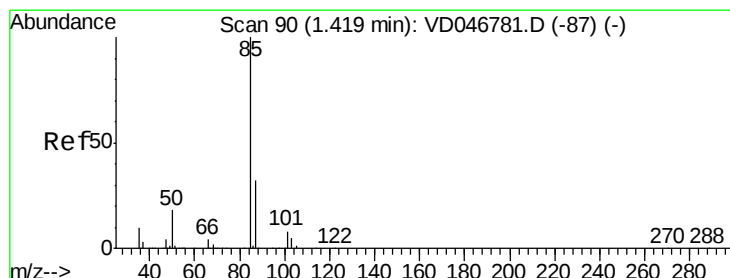
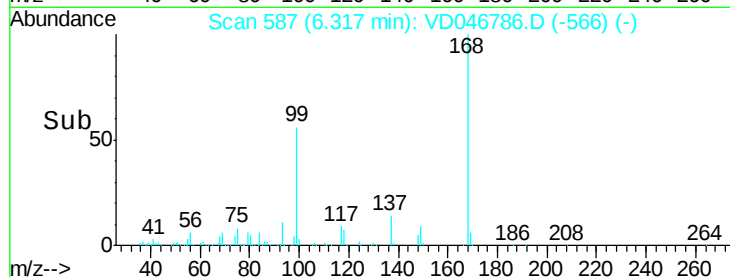
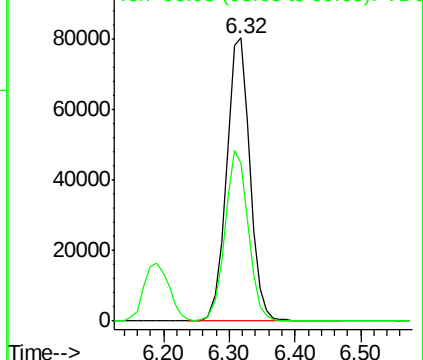
168 100

99 55.9 42.4 63.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 21.82 ug/l

RT: 1.42 min Scan# 90

Delta R.T. -0.00 min

Lab File: VD046786.D

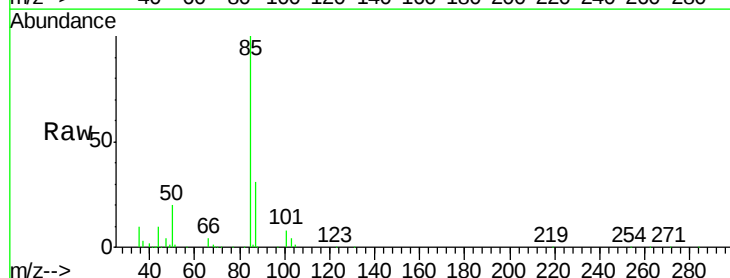
Acq: 18 Sep 2015 16:58

Tgt Ion: 85 Resp: 44125

Ion Ratio Lower Upper

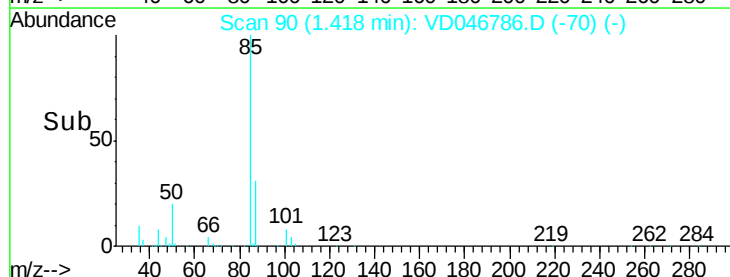
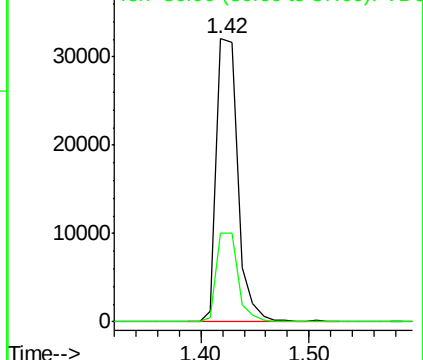
85 100

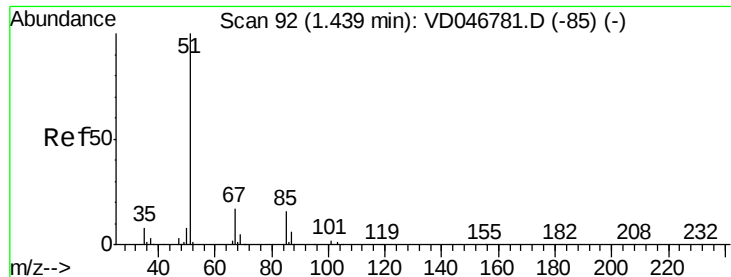
87 31.5 16.2 48.5



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chlorodifluoromethane

Concen: 19.49 ug/l

RT: 1.44 min Scan# 92

Delta R.T. 0.00 min

Lab File: VD046786.D

Acq: 18 Sep 2015 16:58

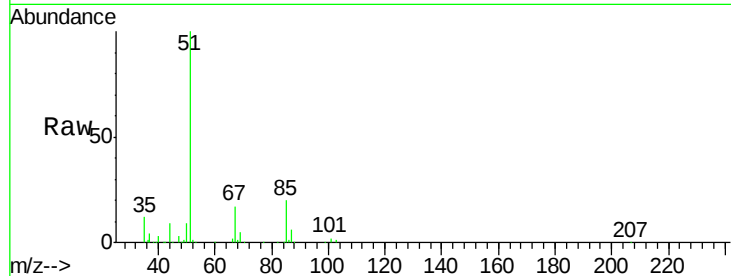
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 51 Resp: 34525

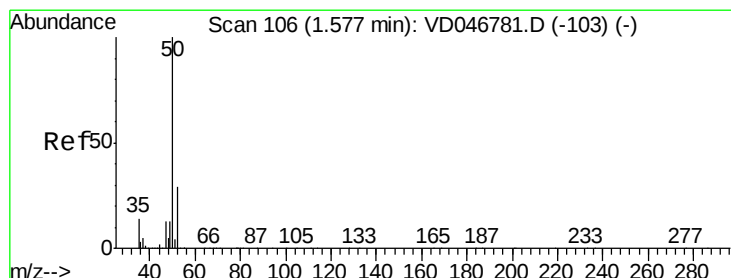
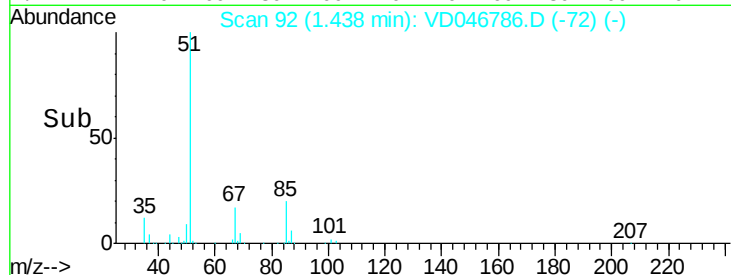
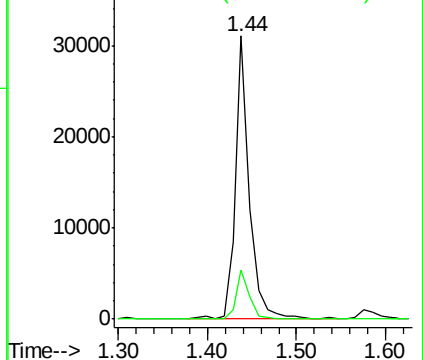
Ion Ratio Lower Upper

51 100

67 16.6 10.9 16.3#



Abundance Ion 51.00 (50.70 to 51.70): VDC
Ion 67.00 (66.70 to 67.70): VDC



#4

Chloromethane

Concen: 21.13 ug/l

RT: 1.58 min Scan# 106

Delta R.T. -0.00 min

Lab File: VD046786.D

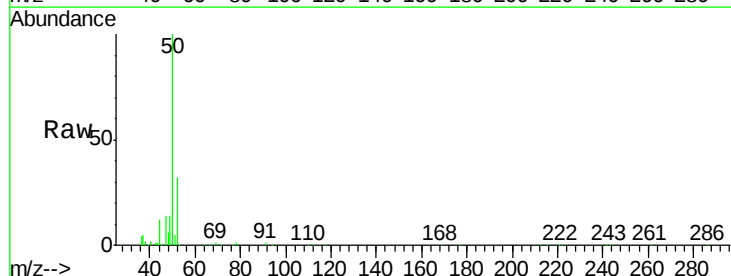
Acq: 18 Sep 2015 16:58

Tgt Ion: 50 Resp: 24792

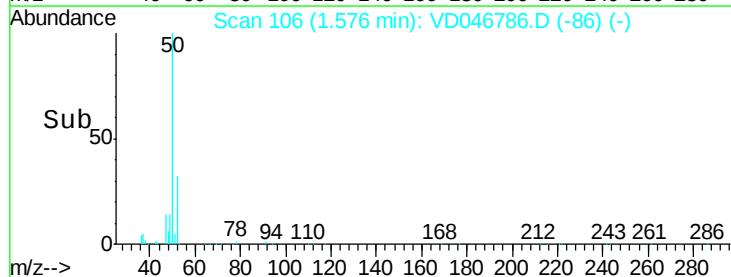
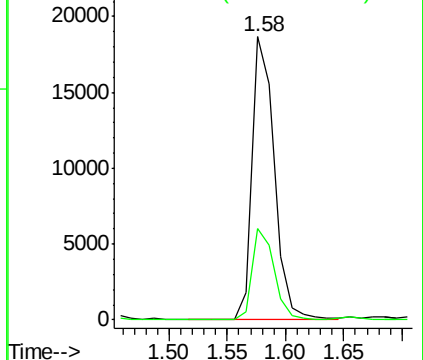
Ion Ratio Lower Upper

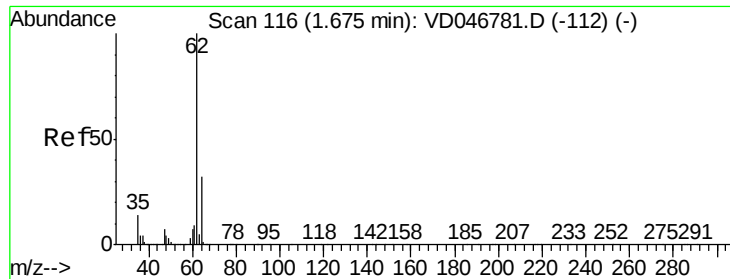
50 100

52 32.4 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: 20.63 ug/l

RT: 1.68 min Scan# 117

Delta R.T. 0.01 min

Lab File: VD046786.D

Acq: 18 Sep 2015 16:58

Instrument :

MSVOA_D

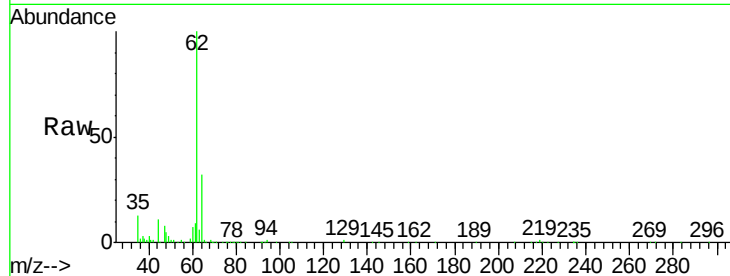
ClientSampled :

Tot Ion: 62 Resp: 22729

Ion Ratio Lower Upper

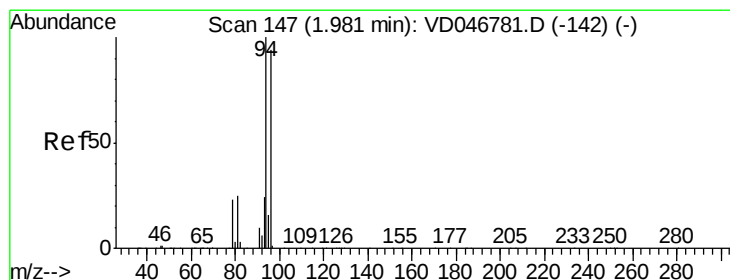
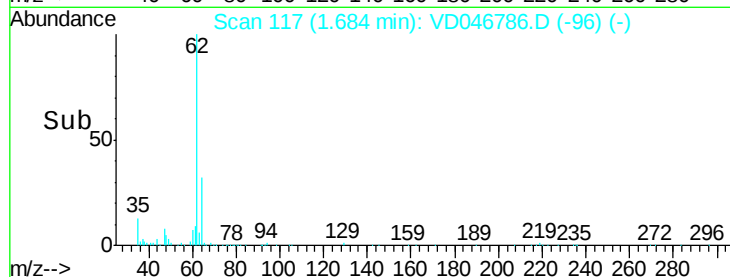
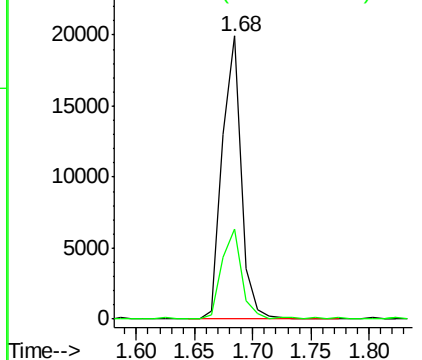
62 100

64 32.0 26.4 39.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC



#6

Bromomethane

Concen: 21.35 ug/l

RT: 1.98 min Scan# 147

Delta R.T. -0.00 min

Lab File: VD046786.D

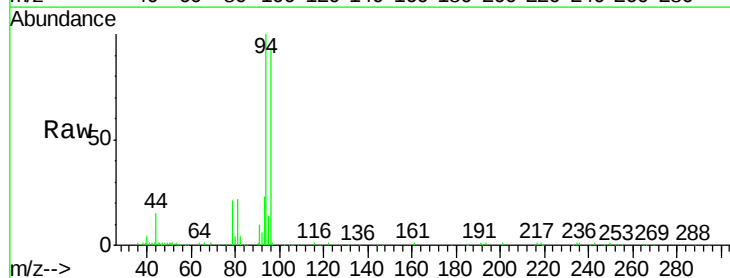
Acq: 18 Sep 2015 16:58

Tgt Ion: 94 Resp: 22621

Ion Ratio Lower Upper

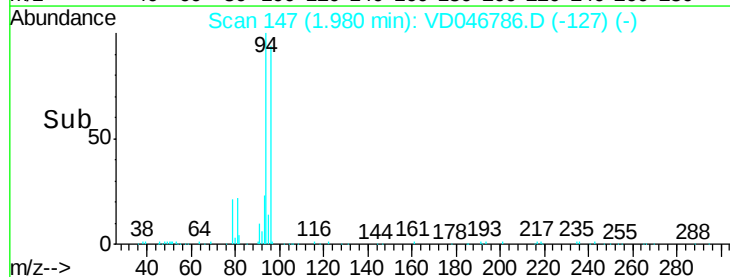
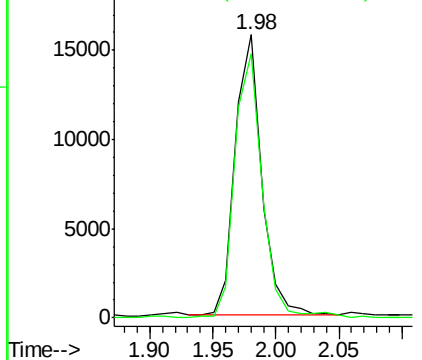
94 100

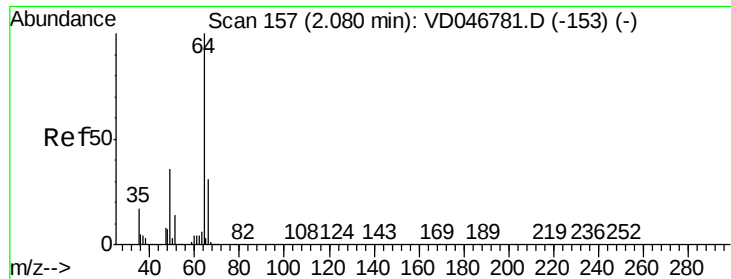
96 93.4 76.0 114.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC





#7

Chloroethane

Concen: 20.13 ug/l

RT: 2.09 min Scan# 158

Delta R.T. 0.01 min

Lab File: VD046786.D

Acq: 18 Sep 2015 16:58

Instrument :

MSVOA_D

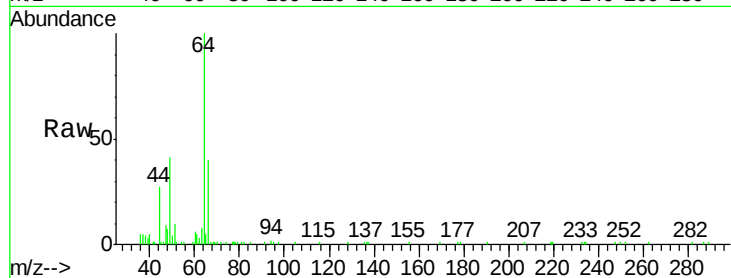
ClientSampleId :

Tot Ion: 64 Resp: 13884

Ion Ratio Lower Upper

64 100

66 39.6 26.6 39.8



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.09

10000

8000

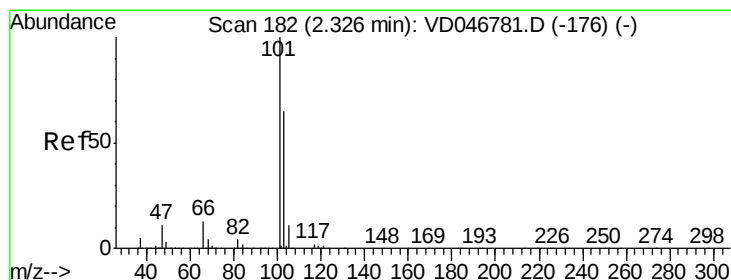
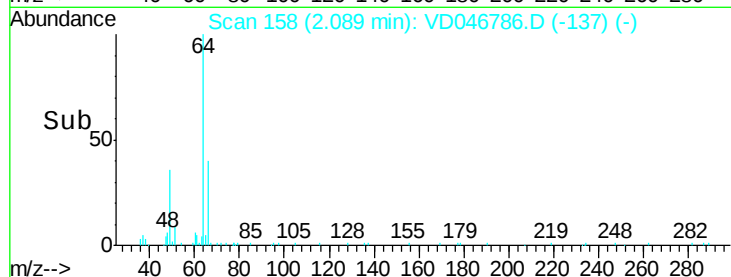
6000

4000

2000

0

Time--> 2.00 2.10 2.20



#8

Trichlorofluoromethane

Concen: 20.38 ug/l

RT: 2.33 min Scan# 182

Delta R.T. -0.00 min

Lab File: VD046786.D

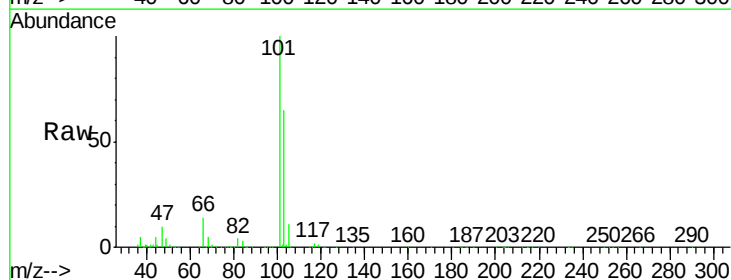
Acq: 18 Sep 2015 16:58

Tgt Ion: 101 Resp: 66419

Ion Ratio Lower Upper

101 100

103 65.3 53.2 79.8



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V

2.33

40000

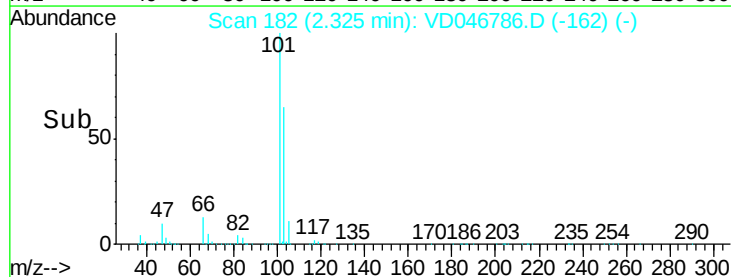
30000

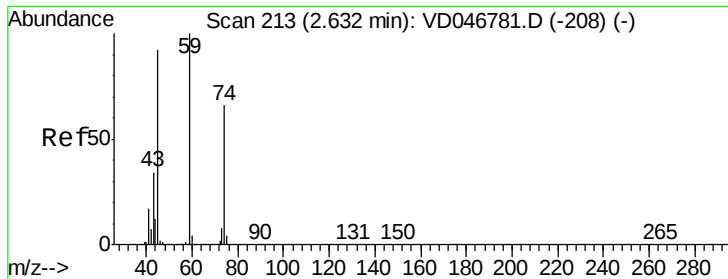
20000

10000

0

Time--> 2.20 2.30 2.40 2.50





#9

Diethyl Ether

Concen: 21.89 ug/l

RT: 2.64 min Scan# 214

Delta R.T. 0.01 min

Lab File: VD046786.D

Acq: 18 Sep 2015 16:58

Instrument :

MSVOA_D

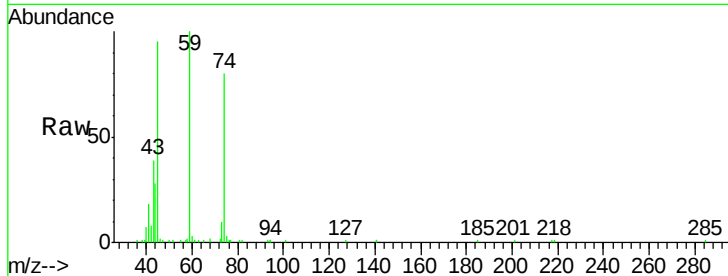
ClientSampled :

Tot Ion: 74 Resp: 12649

Ion Ratio Lower Upper

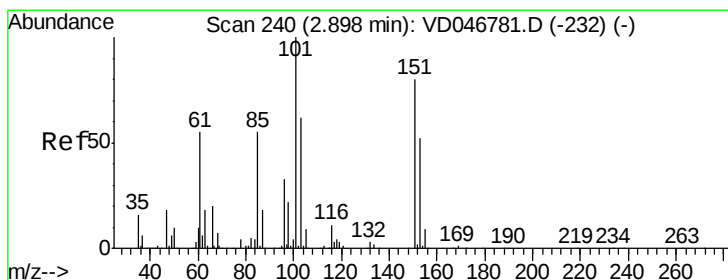
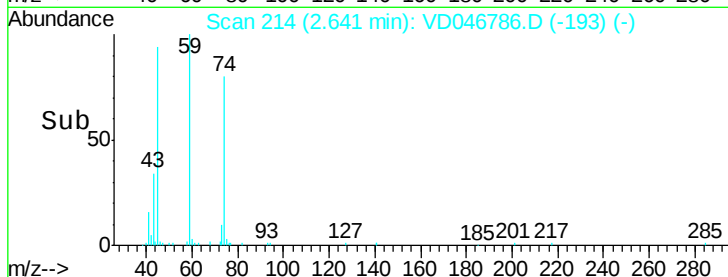
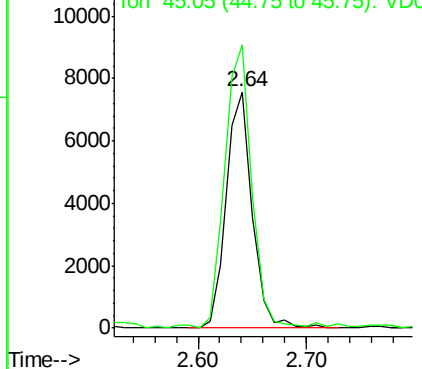
74 100

45 119.8 76.2 228.6



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC



#10

1,1,2-Trichlorotrifluoroethane

Concen: 20.77 ug/l

RT: 2.90 min Scan# 240

Delta R.T. -0.00 min

Lab File: VD046786.D

Acq: 18 Sep 2015 16:58

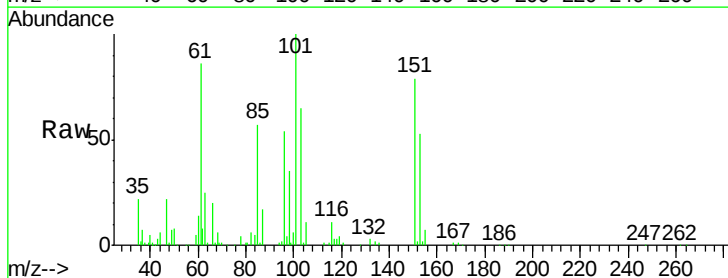
Tgt Ion:101 Resp: 42369

Ion Ratio Lower Upper

101 100

85 56.6 42.0 63.0

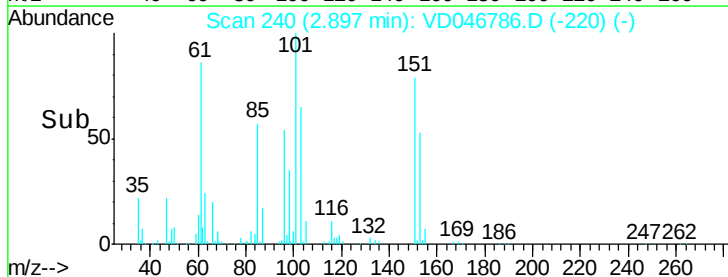
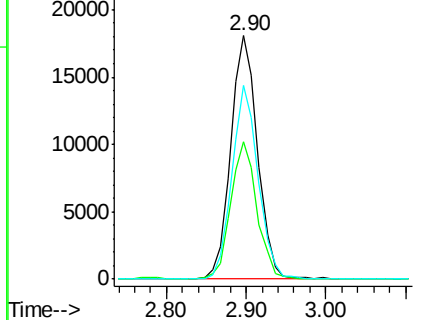
151 79.3 65.2 97.8

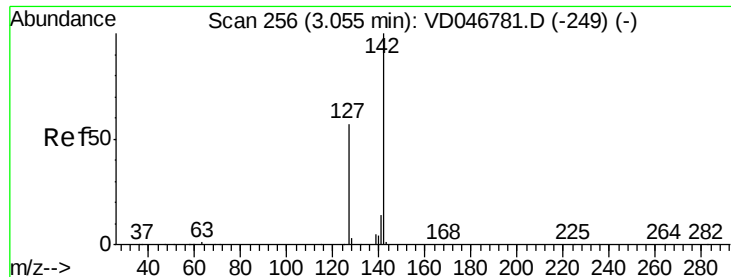


Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): VDC

Ion 150.90 (150.60 to 151.60): V

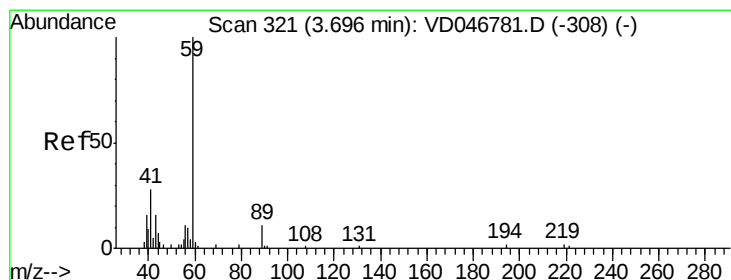
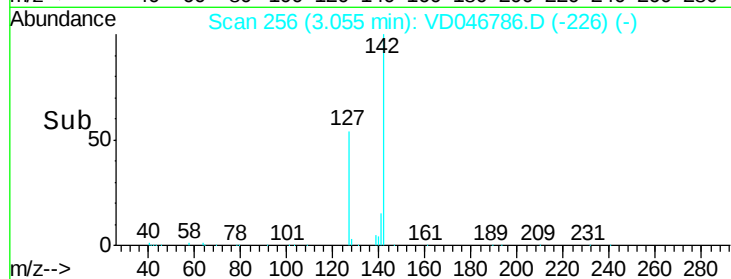
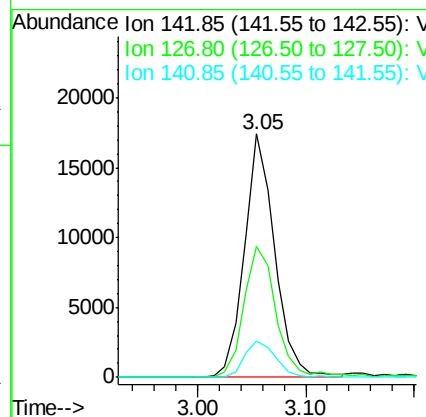
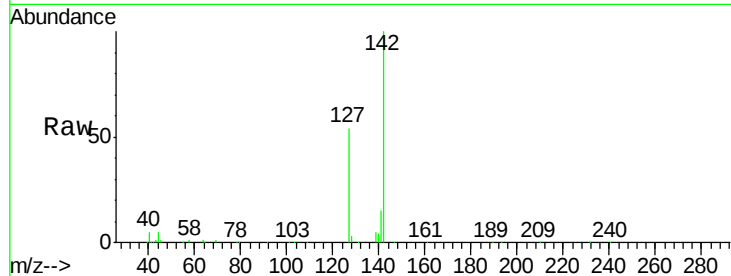




#11
Methvl Iodide
Concen: 15.46 ug/l
RT: 3.05 min Scan# 256
Delta R.T. -0.00 min
Lab File: VD046786.D
Acq: 18 Sep 2015 16:58

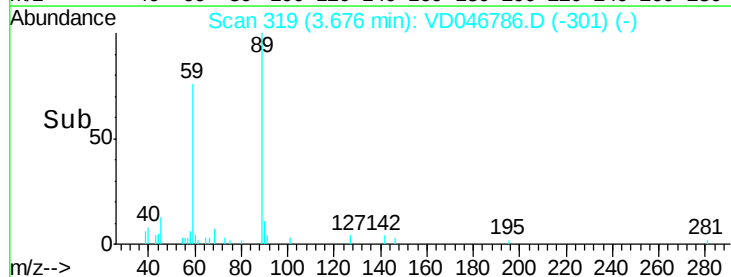
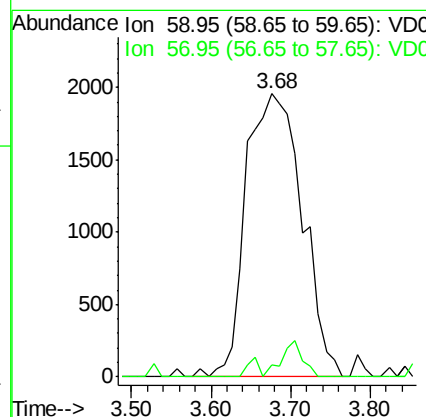
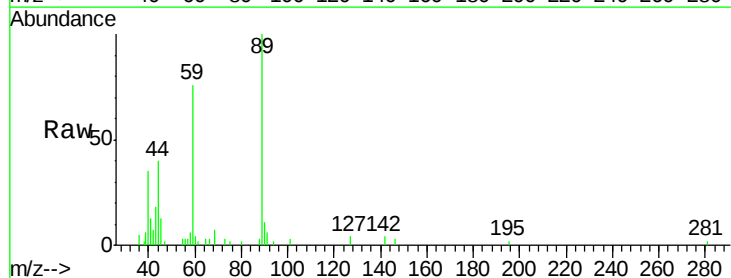
Instrument :
MSVOA_D
ClientSampleId :

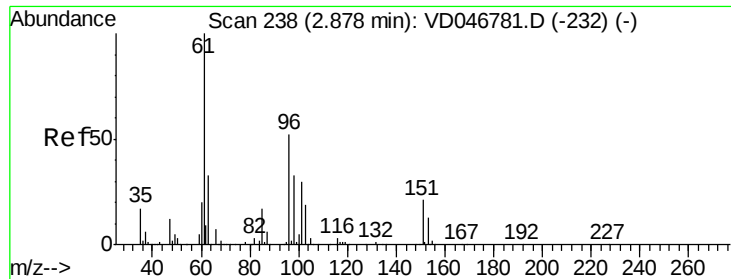
Tot Ion:142 Resp: 33873
Ion Ratio Lower Upper
142 100
127 53.9 41.2 61.8
141 15.1 11.6 17.4



#12
Tert butyl alcohol
Concen: 111.35 ug/l
RT: 3.68 min Scan# 319
Delta R.T. -0.02 min
Lab File: VD046786.D
Acq: 18 Sep 2015 16:58

Tgt Ion: 59 Resp: 9612
Ion Ratio Lower Upper
59 100
57 4.1 7.8 11.6#

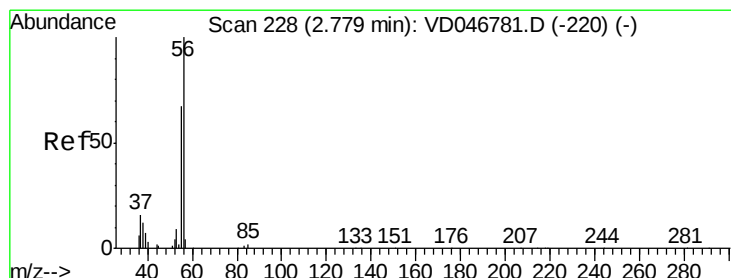
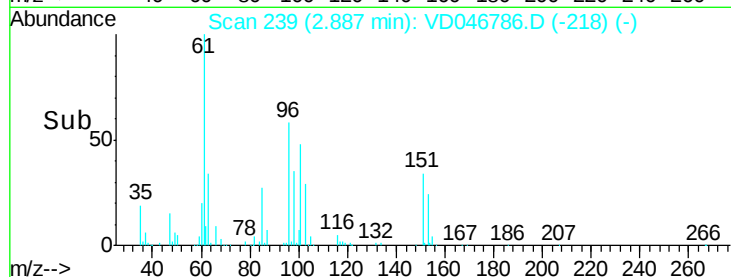
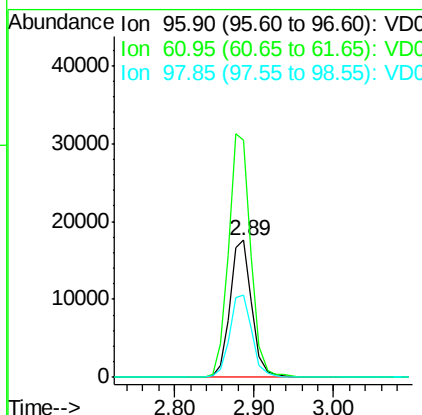
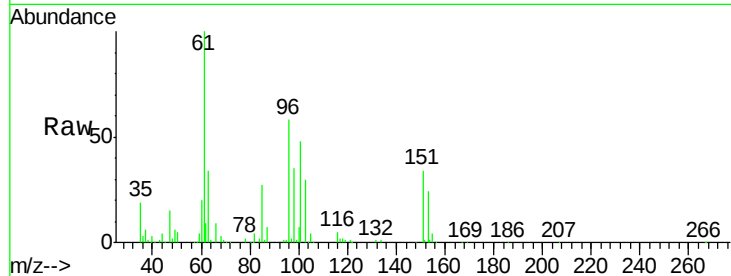




#13
 1,1-Dichloroethene
 Concen: 21.23 ug/l
 RT: 2.89 min Scan# 239
 Delta R.T. 0.01 min
 Lab File: VD046786.D
 Acq: 18 Sep 2015 16:58

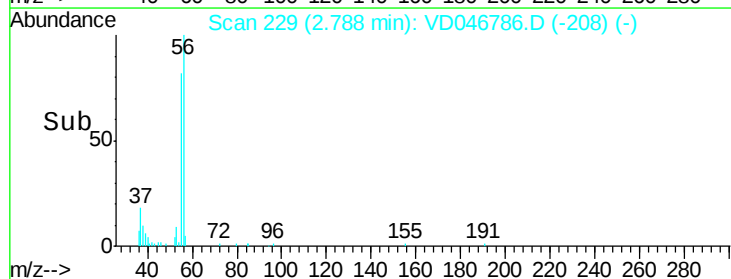
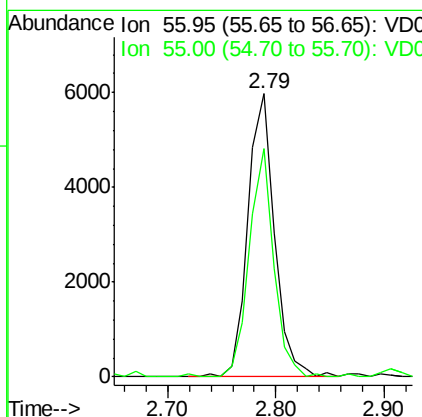
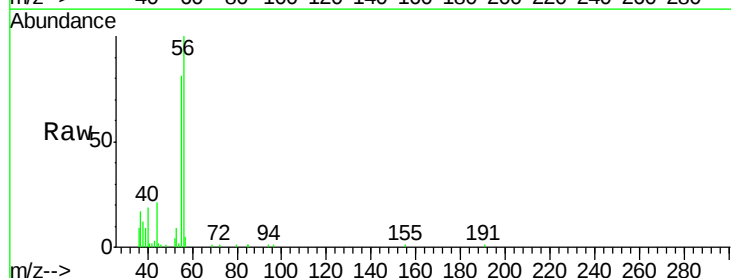
Instrument :
 MSVOA_D
 ClientSampleId :

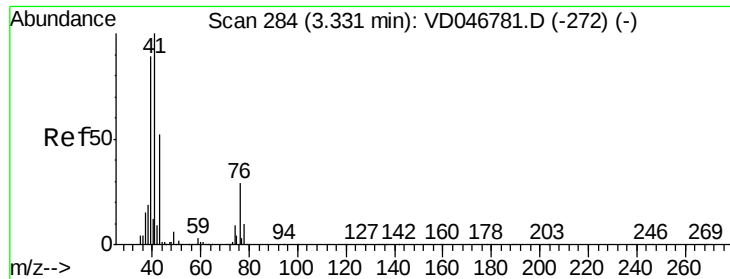
Tot Ion: 96 Resp: 33856
 Ion Ratio Lower Upper
 96 100
 61 173.0 152.2 228.4
 98 60.0 51.2 76.8



#14
 Acrolein
 Concen: 96.94 ug/l
 RT: 2.79 min Scan# 229
 Delta R.T. 0.01 min
 Lab File: VD046786.D
 Acq: 18 Sep 2015 16:58

Tgt Ion: 56 Resp: 10249
 Ion Ratio Lower Upper
 56 100
 55 80.8 62.6 93.8

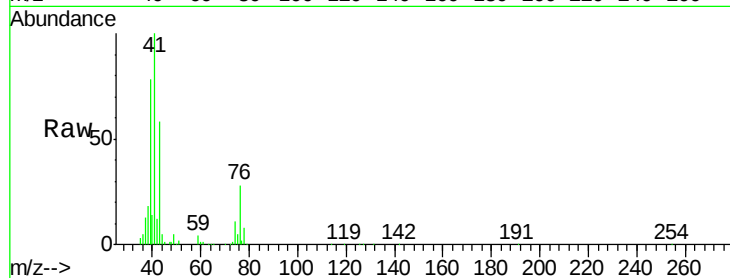




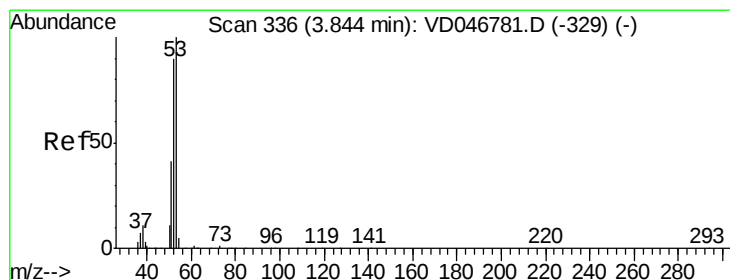
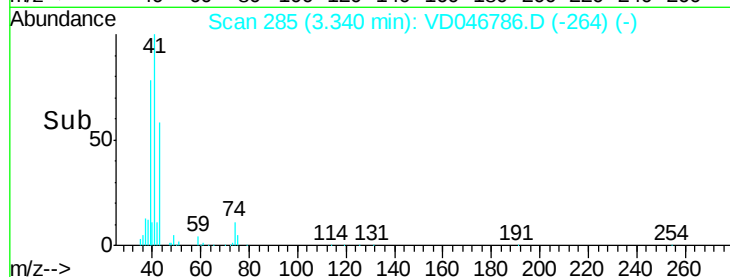
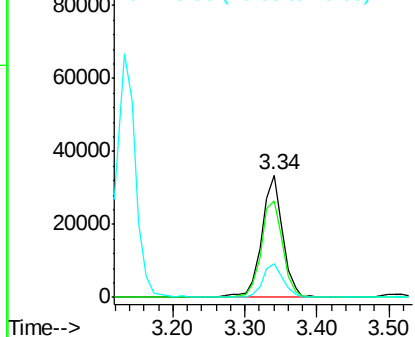
#15
Allvl chloride
Concen: 20.99 ug/l
RT: 3.34 min Scan# 285
Delta R.T. 0.01 min
Lab File: VD046786.D
Acq: 18 Sep 2015 16:58

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 41 Resp: 67972
Ion Ratio Lower Upper
41 100
39 78.4 58.8 88.2
76 28.0 22.7 34.1

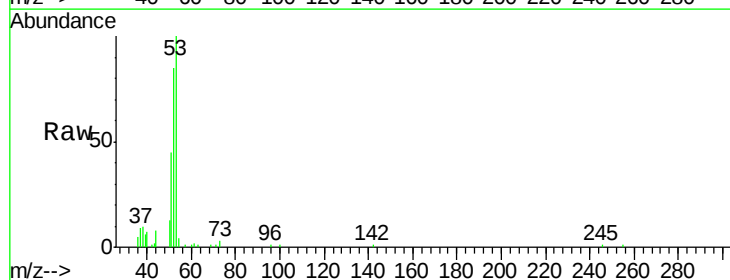


Abundance Ion 41.05 (40.75 to 41.75): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 75.95 (75.65 to 76.65): VDC

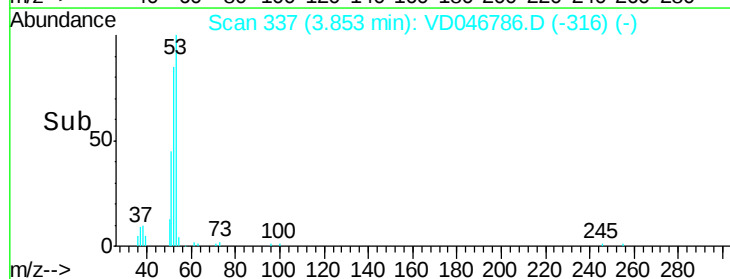
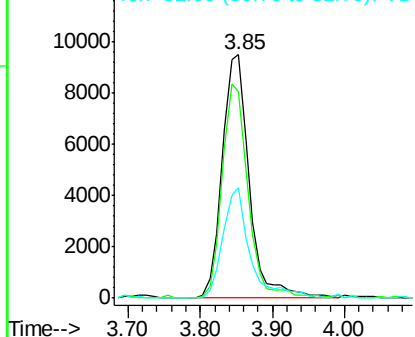


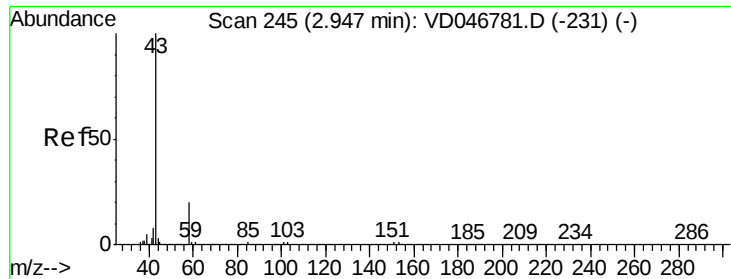
#16
Acrylonitrile
Concen: 102.19 ug/l
RT: 3.85 min Scan# 337
Delta R.T. 0.01 min
Lab File: VD046786.D
Acq: 18 Sep 2015 16:58

Tgt Ion: 53 Resp: 24694
Ion Ratio Lower Upper
53 100
52 84.6 66.8 100.2
51 45.3 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: 105.60 ug/l

RT: 2.96 min Scan# 246

Delta R.T. 0.01 min

Lab File: VD046786.D

Acq: 18 Sep 2015 16:58

Instrument :

MSVOA_D

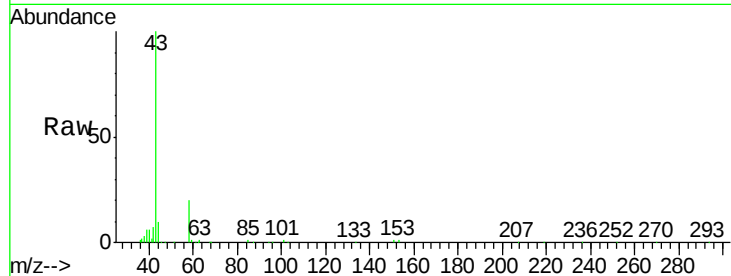
ClientSampleId :

Tot Ion: 43 Resp: 36927

Ion Ratio Lower Upper

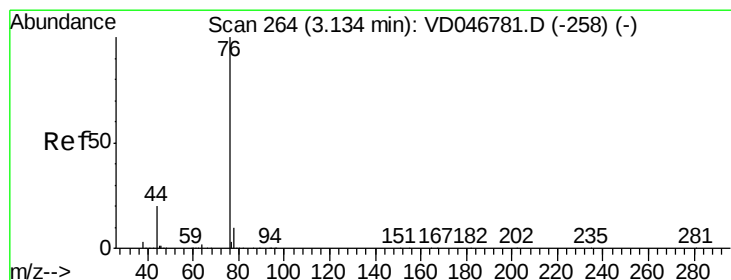
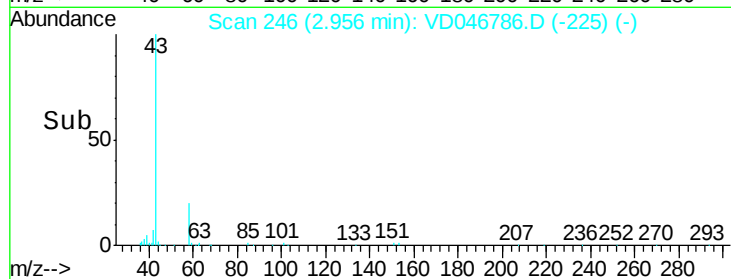
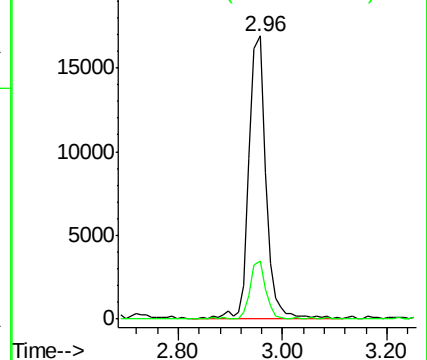
43 100

58 20.4 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: 20.32 ug/l

RT: 3.13 min Scan# 264

Delta R.T. -0.00 min

Lab File: VD046786.D

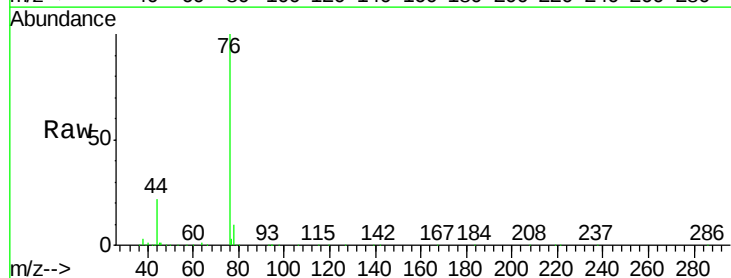
Acq: 18 Sep 2015 16:58

Tgt Ion: 76 Resp: 121411

Ion Ratio Lower Upper

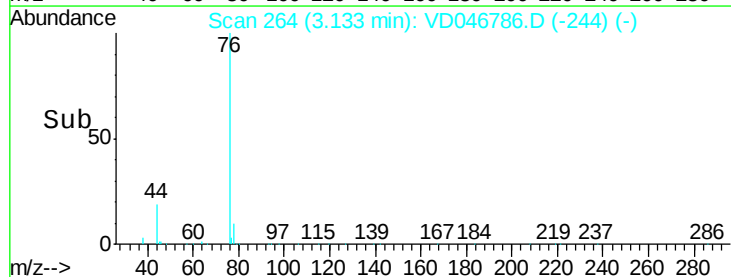
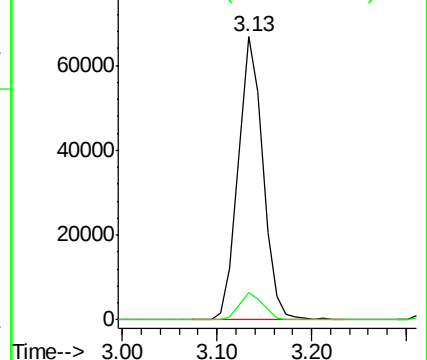
76 100

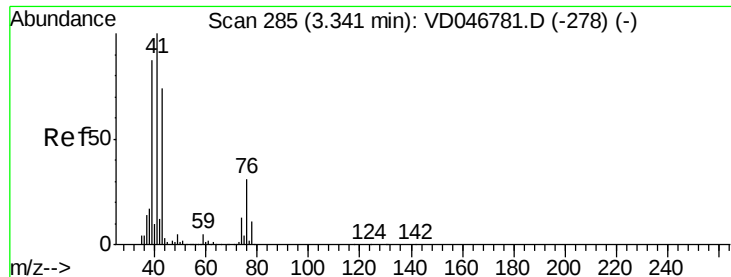
78 9.7 8.0 12.0



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

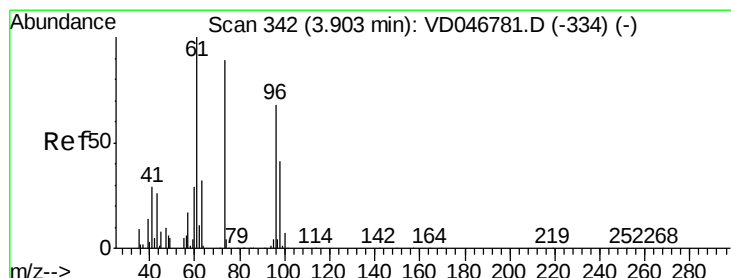
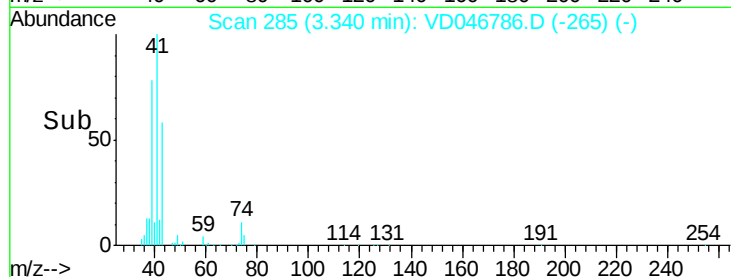
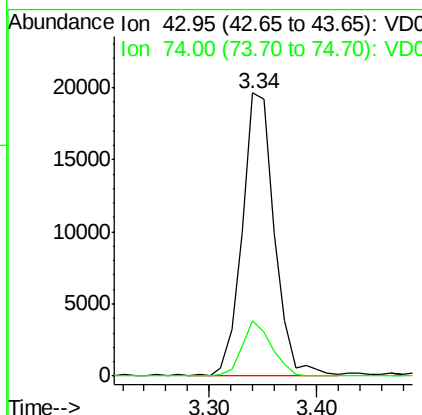
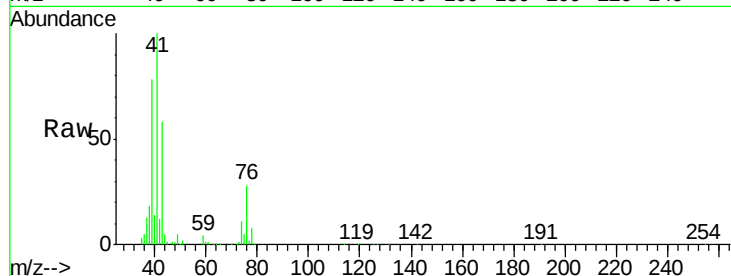




#19
Methyl Acetate
Concen: 20.06 ug/l
RT: 3.34 min Scan# 285
Delta R.T. -0.00 min
Lab File: VD046786.D
Acq: 18 Sep 2015 16:58

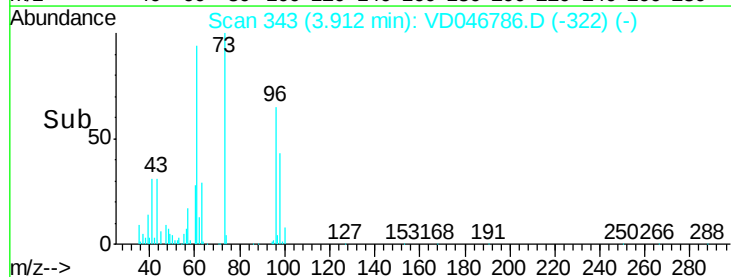
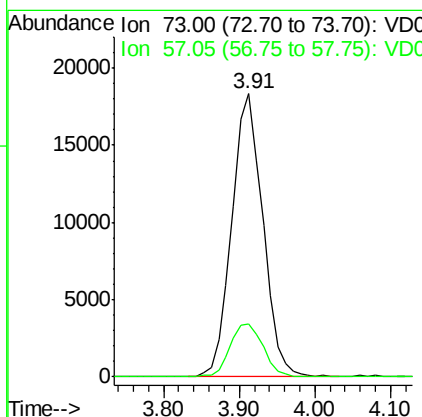
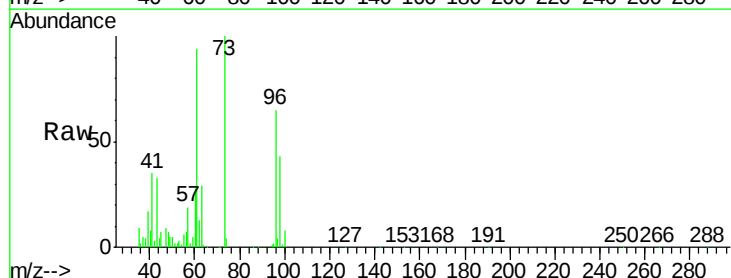
Instrument :
MSVOA_D
ClientSampleId :

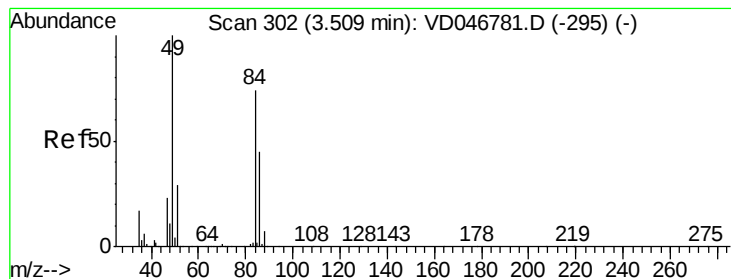
Tot Ion: 43 Resp: 40641
Ion Ratio Lower Upper
43 100
74 19.5 13.7 20.5



#20
Methyl tert-butyl Ether
Concen: 20.87 ug/l
RT: 3.91 min Scan# 343
Delta R.T. 0.01 min
Lab File: VD046786.D
Acq: 18 Sep 2015 16:58

Tgt Ion: 73 Resp: 52131
Ion Ratio Lower Upper
73 100
57 18.9 18.1 27.1





#21

Methylene Chloride

Concen: 21.58 ug/l

RT: 3.51 min Scan# 302

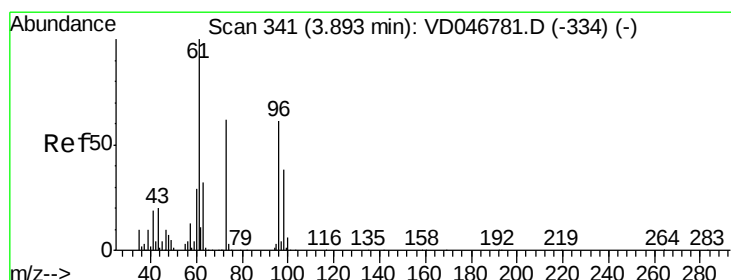
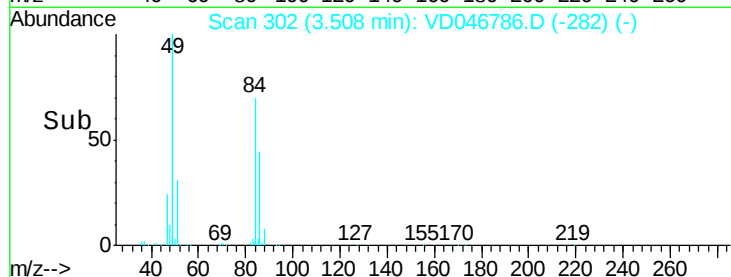
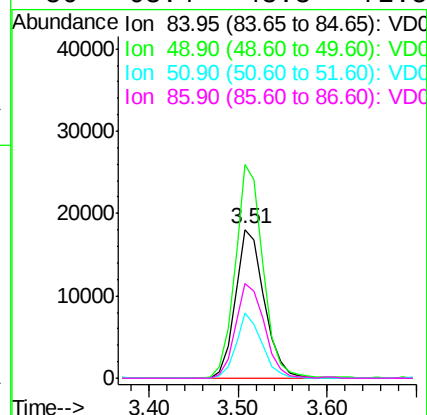
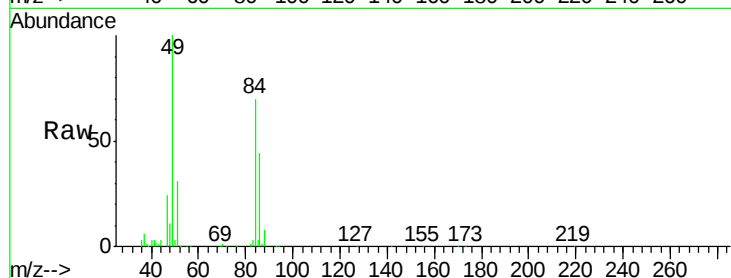
Delta R.T. -0.00 min

Lab File: VD046786.D

Acq: 18 Sep 2015 16:58

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:	84	Resp:	40977
Ion	Ratio	Lower	Upper
84	100		
49	143.5	122.1	183.1
51	44.1	33.6	50.4
86	63.4	48.3	72.5



#22

trans-1,2-Dichloroethene

Concen: 21.27 ug/l

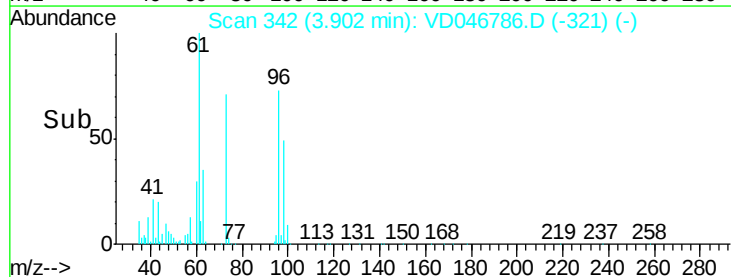
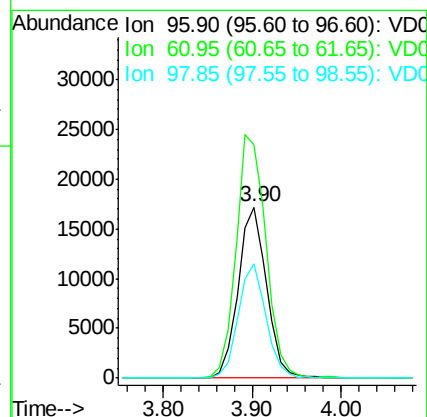
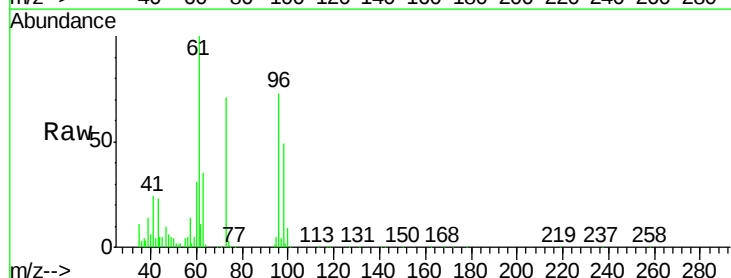
RT: 3.90 min Scan# 342

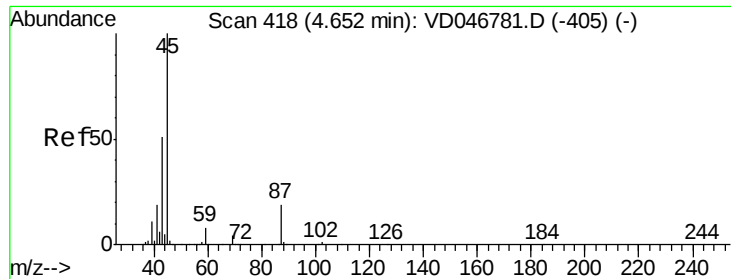
Delta R.T. 0.01 min

Lab File: VD046786.D

Acq: 18 Sep 2015 16:58

Tgt Ion:	96	Resp:	38254
Ion	Ratio	Lower	Upper
96	100		
61	136.8	125.8	188.6
98	67.0	54.5	81.7

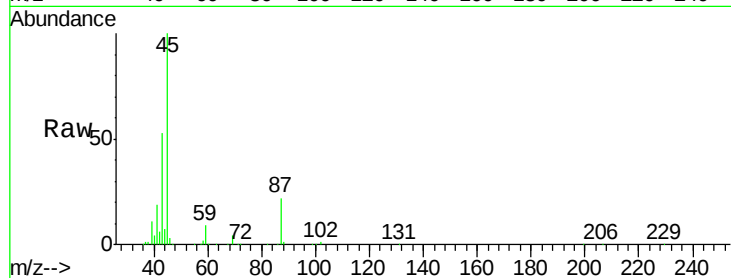




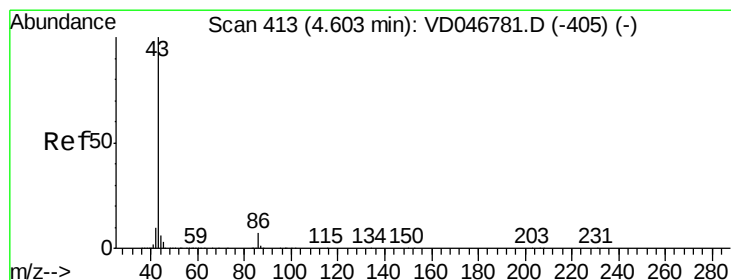
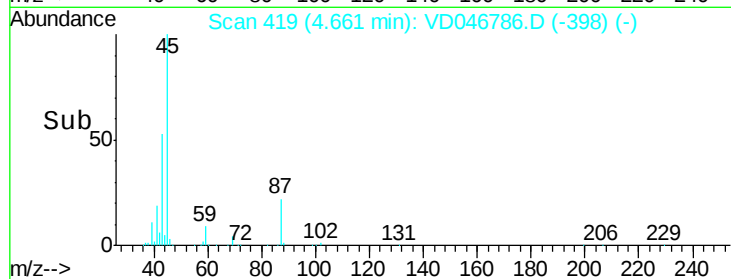
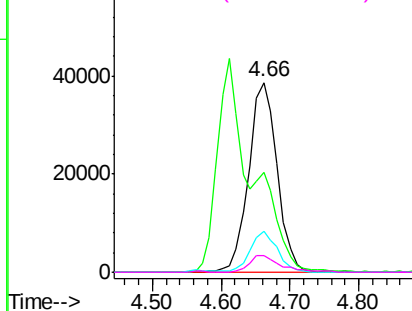
#23
Diisopropyl ether
Concen: 20.81 ug/l
RT: 4.66 min Scan# 419
Delta R.T. 0.01 min
Lab File: VD046786.D
Acq: 18 Sep 2015 16:58

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 45 Resp: 111844
Ion Ratio Lower Upper
45 100
43 52.6 35.9 53.9
87 21.7 13.0 19.6#
59 9.1 7.0 10.6

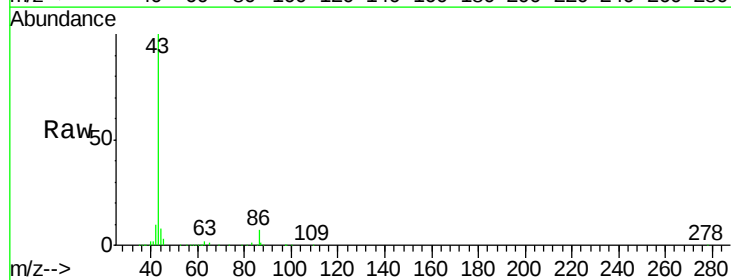


Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC

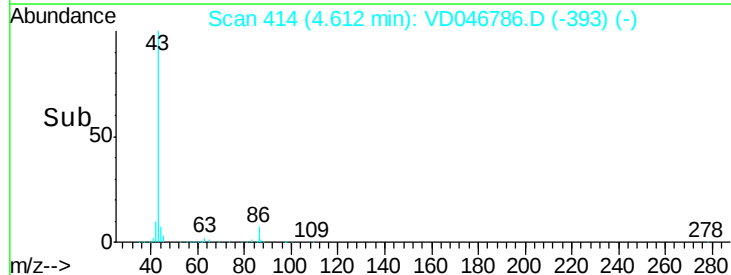
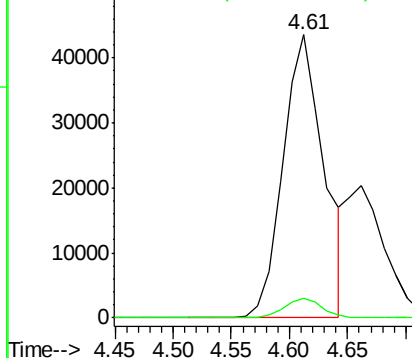


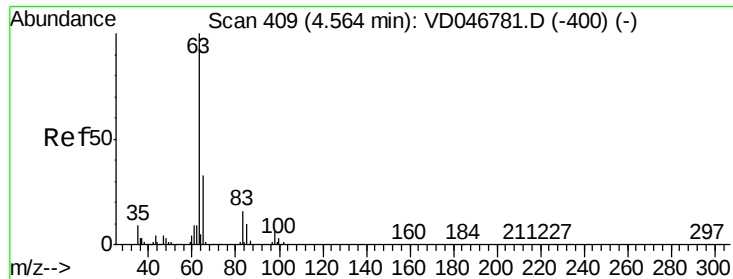
#24
Vinyl Acetate
Concen: 94.23 ug/l
RT: 4.61 min Scan# 414
Delta R.T. 0.01 min
Lab File: VD046786.D
Acq: 18 Sep 2015 16:58

Tgt Ion: 43 Resp: 106203
Ion Ratio Lower Upper
43 100
86 7.2 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: 20.15 ug/l

RT: 4.56 min Scan# 409

Delta R.T. -0.00 min

Lab File: VD046786.D

Acq: 18 Sep 2015 16:58

Instrument :

MSVOA_D

ClientSampleId :

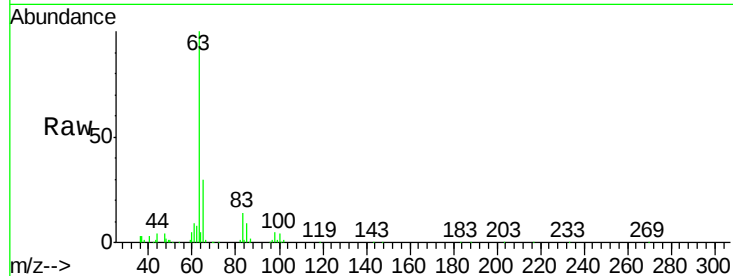
Tot Ion: 63 Resp: 66702

Ion Ratio Lower Upper

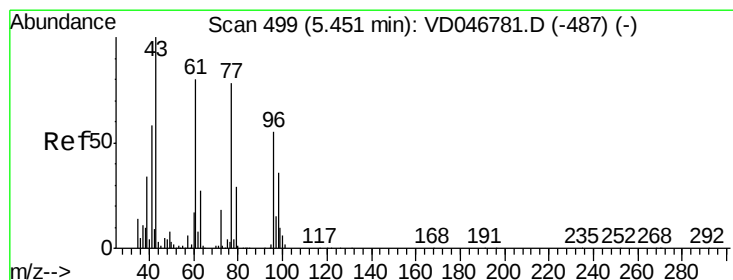
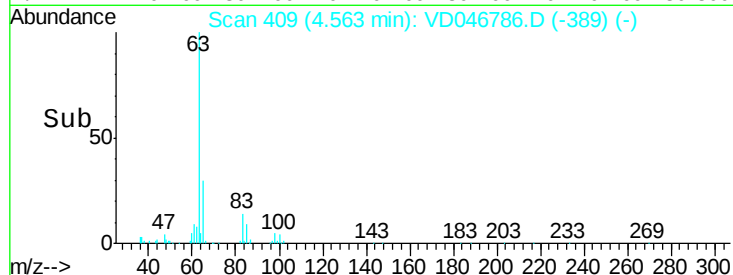
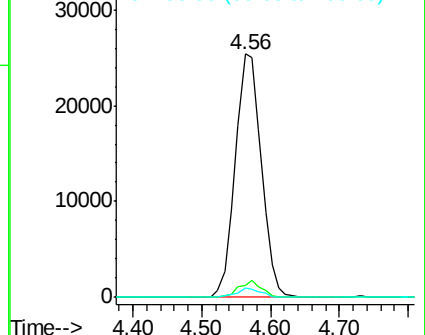
63 100

98 5.1 2.5 7.5

100 3.6 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: 102.70 ug/l

RT: 5.46 min Scan# 500

Delta R.T. 0.01 min

Lab File: VD046786.D

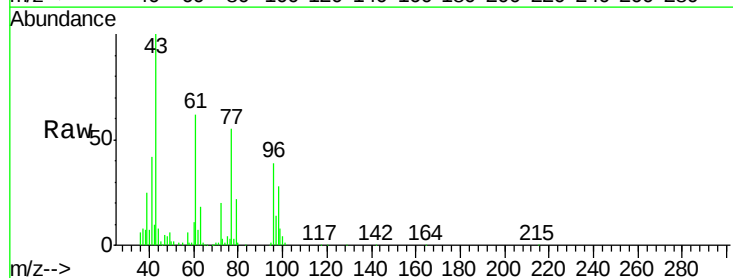
Acq: 18 Sep 2015 16:58

Tgt Ion: 43 Resp: 40360

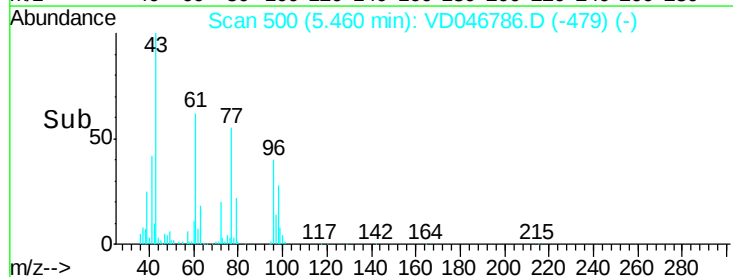
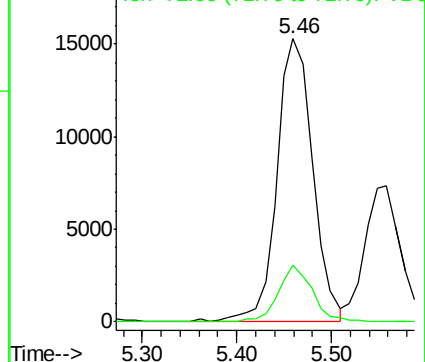
Ion Ratio Lower Upper

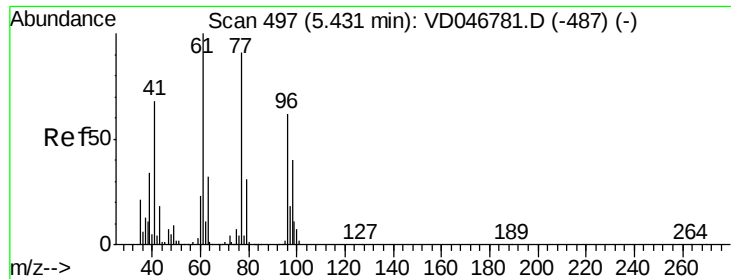
43 100

72 20.1 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: 19.85 ug/l

RT: 5.43 min Scan# 497

Delta R.T. -0.00 min

Lab File: VD046786.D

Acq: 18 Sep 2015 16:58

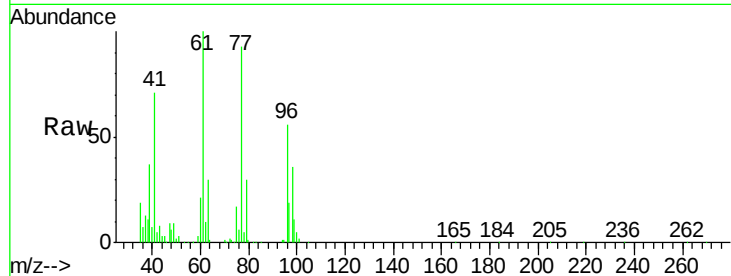
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 77 Resp: 67516

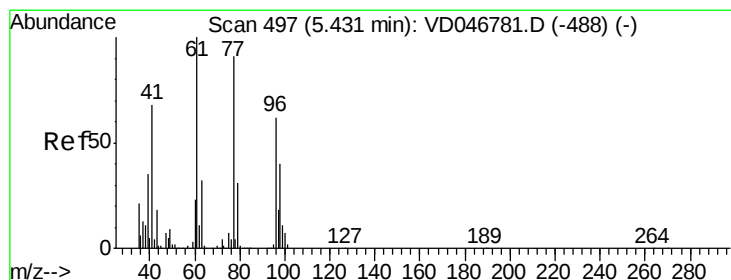
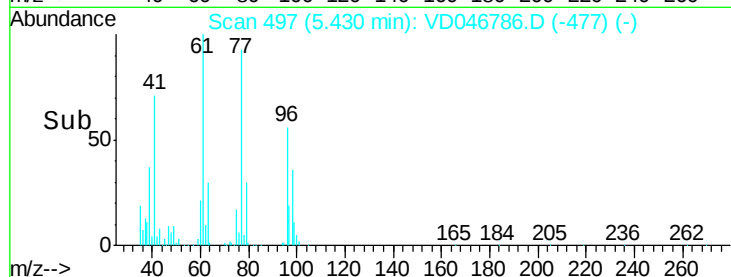
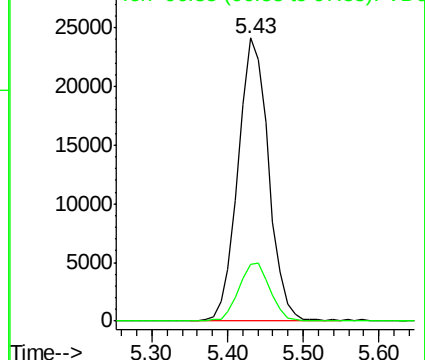
Ion Ratio Lower Upper

77 100

97 20.1 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: 20.65 ug/l

RT: 5.44 min Scan# 498

Delta R.T. 0.01 min

Lab File: VD046786.D

Acq: 18 Sep 2015 16:58

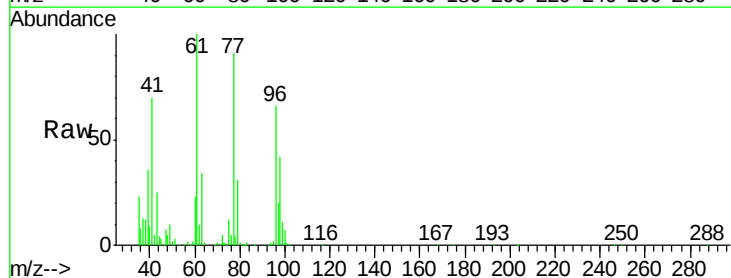
Tgt Ion: 96 Resp: 38652

Ion Ratio Lower Upper

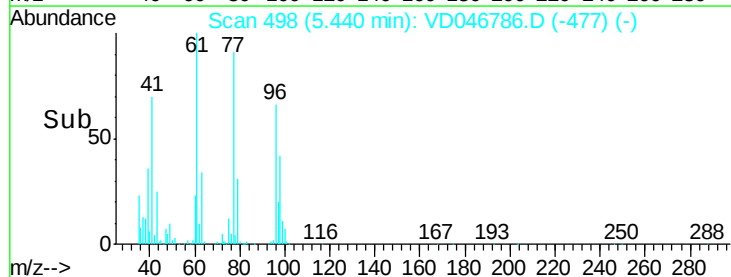
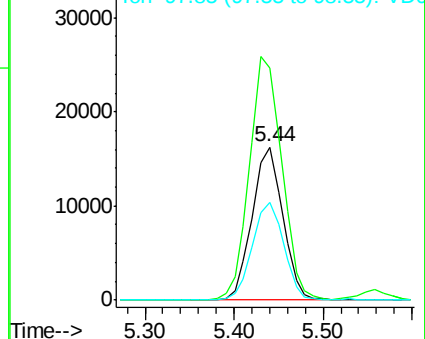
96 100

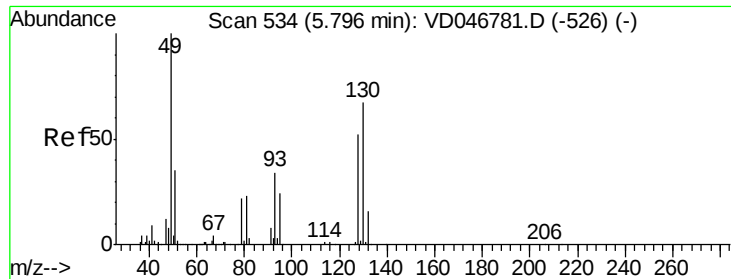
61 151.3 0.0 348.0

98 63.8 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: 20.46 ug/l

RT: 5.79 min Scan# 534

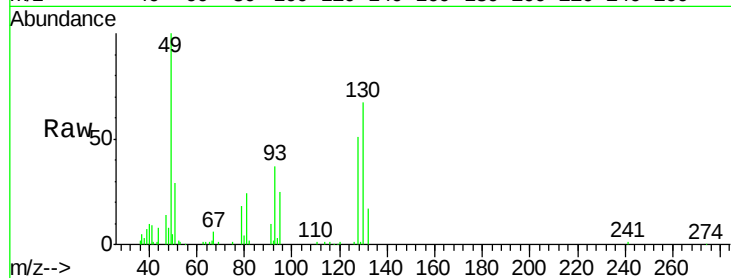
Delta R.T. -0.00 min

Lab File: VD046786.D

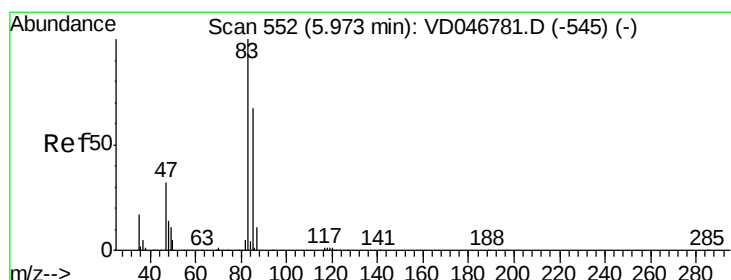
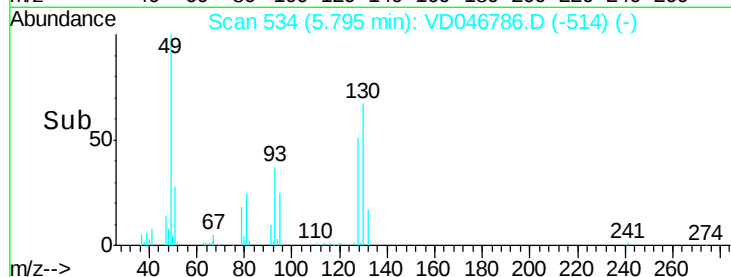
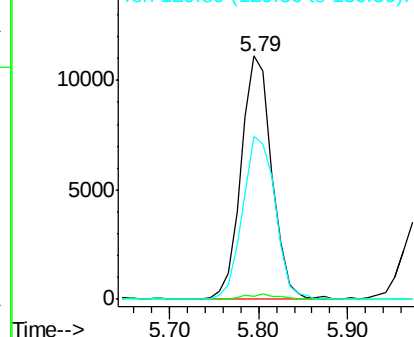
Acq: 18 Sep 2015 16:58

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 49 Resp: 26687
Ion Ratio Lower Upper
49 100
129 1.3 0.0 2.8
130 66.7 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: 20.13 ug/l

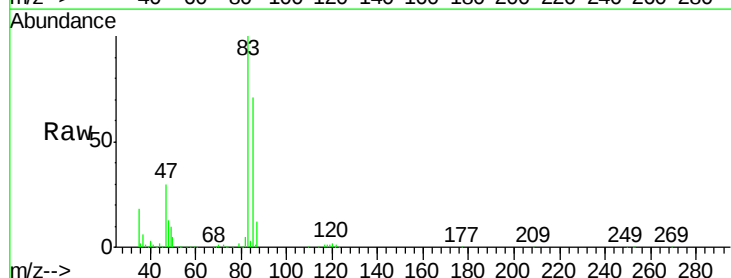
RT: 5.98 min Scan# 553

Delta R.T. 0.01 min

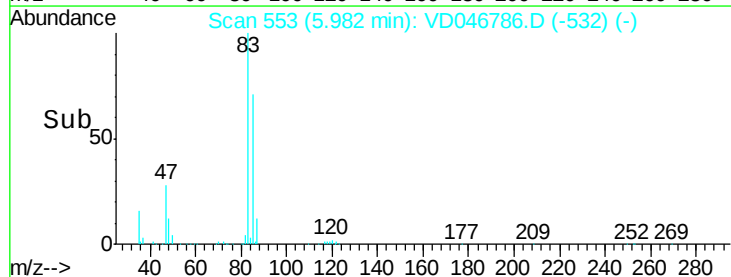
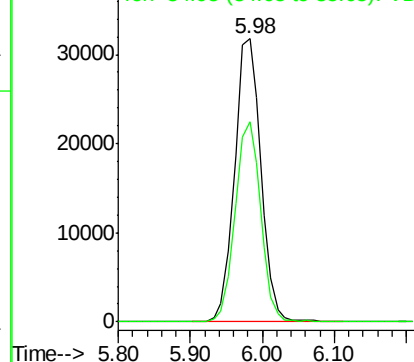
Lab File: VD046786.D

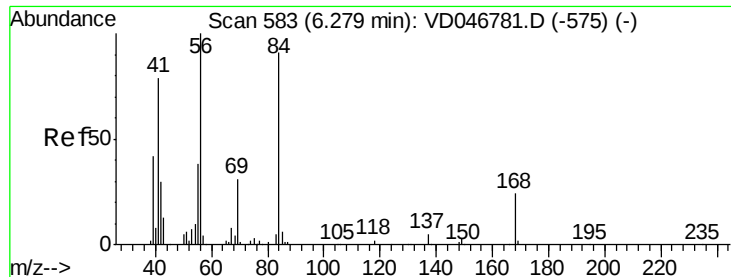
Acq: 18 Sep 2015 16:58

Tgt Ion: 83 Resp: 80849
Ion Ratio Lower Upper
83 100
85 70.7 52.5 78.7



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC

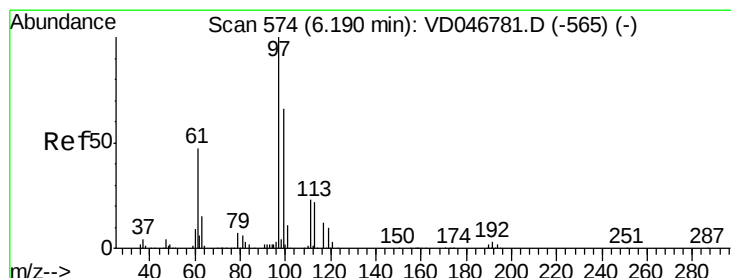
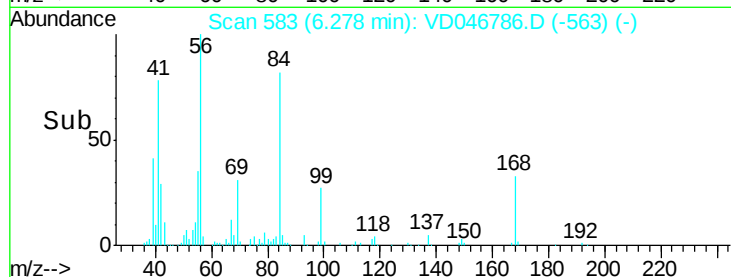
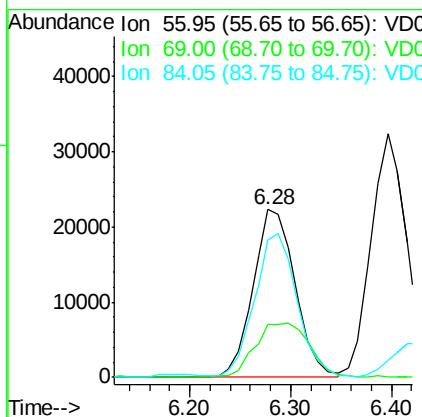
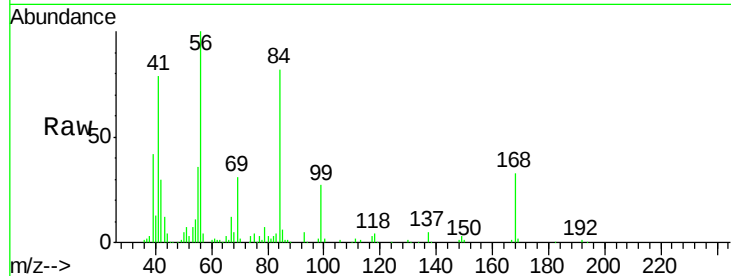




#31
Cyclohexane
Concen: 20.87 ug/l
RT: 6.28 min Scan# 583
Delta R.T. -0.00 min
Lab File: VD046786.D
Acq: 18 Sep 2015 16:58

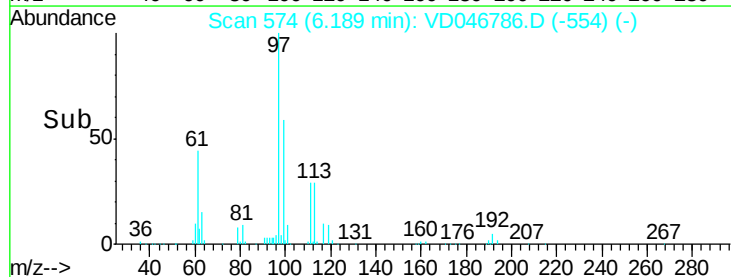
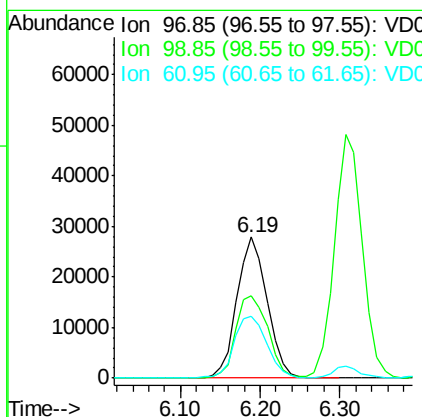
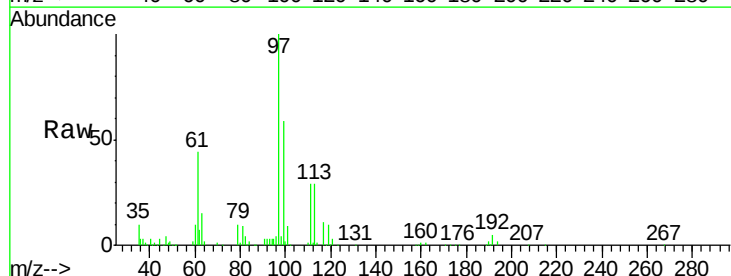
Instrument :
MSVOA_D
ClientSampleId :

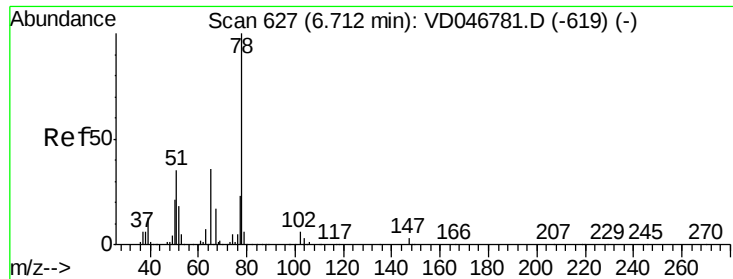
Tot Ion: 56 Resp: 64846
Ion Ratio Lower Upper
56 100
69 31.5 23.4 35.0
84 82.2 63.8 95.8



#32
1,1,1-Trichloroethane
Concen: 20.51 ug/l
RT: 6.19 min Scan# 574
Delta R.T. -0.00 min
Lab File: VD046786.D
Acq: 18 Sep 2015 16:58

Tgt Ion: 97 Resp: 73326
Ion Ratio Lower Upper
97 100
99 58.8 50.2 75.4
61 43.8 38.6 57.8

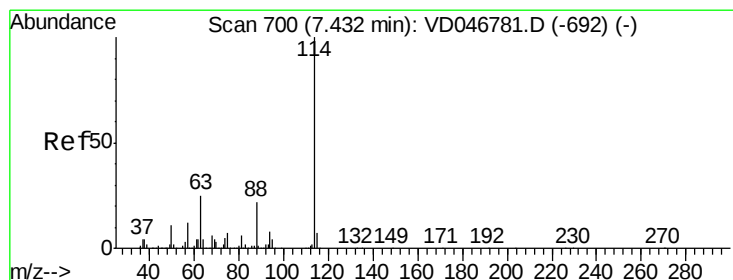
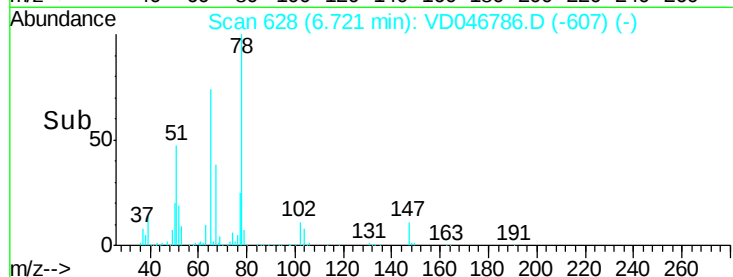
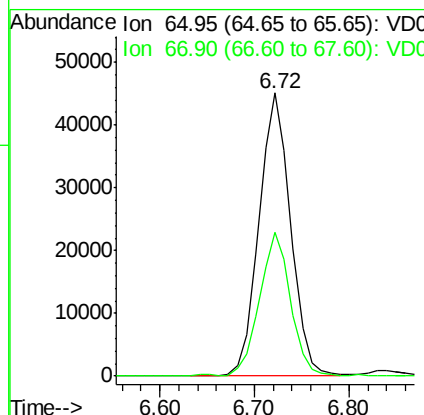
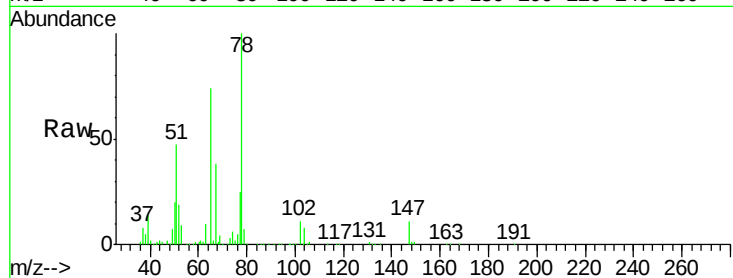




#33
 1,2-Dichloroethane-d4
 Concen: 20.51 ug/l
 RT: 6.72 min Scan# 628
 Delta R.T. 0.01 min
 Lab File: VD046786.D
 Acq: 18 Sep 2015 16:58

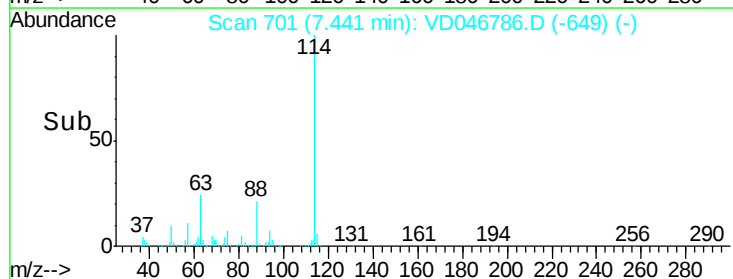
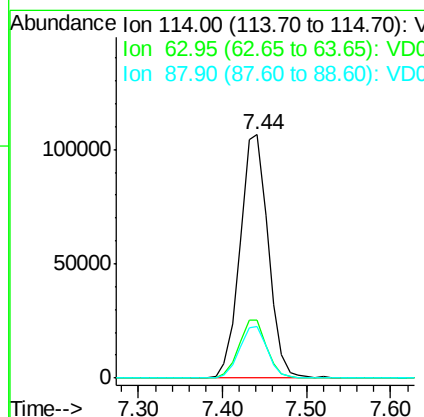
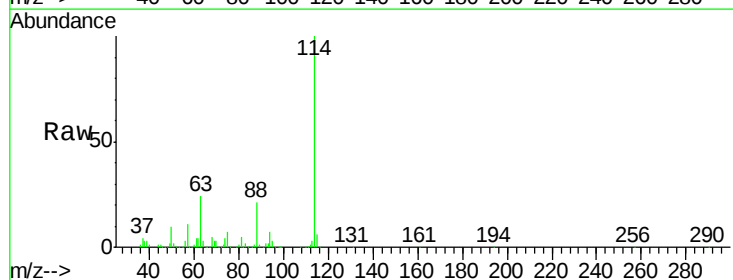
Instrument :
 MSVOA_D
 ClientSampleId :

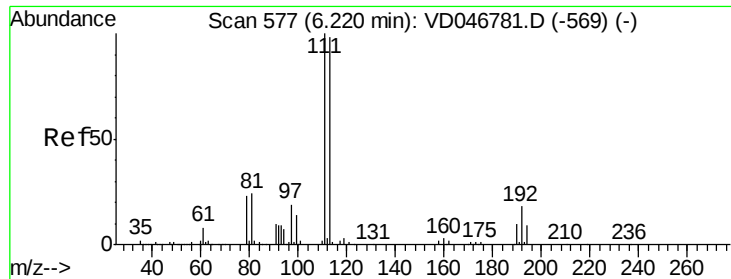
Tot Ion: 65 Resp: 105094
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 7.44 min Scan# 701
 Delta R.T. 0.01 min
 Lab File: VD046786.D
 Acq: 18 Sep 2015 16:58

Tgt Ion: 114 Resp: 248791
 Ion Ratio Lower Upper
 114 100
 63 23.7 0.0 49.8
 88 21.1 0.0 43.6





#35

Dibromofluoromethane

Concen: 50.00 ug/l

RT: 6.22 min Scan# 577

Delta R.T. -0.00 min

Lab File: VD046786.D

Acq: 18 Sep 2015 16:58

Instrument :

MSVOA_D

ClientSampleId :

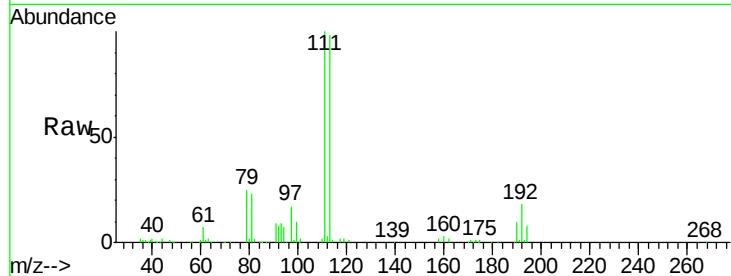
Tot Ion:113 Resp: 105527

Ion Ratio Lower Upper

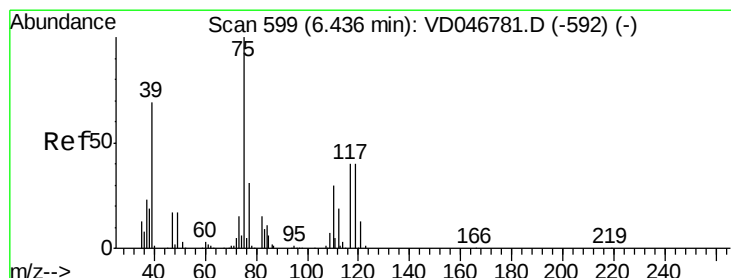
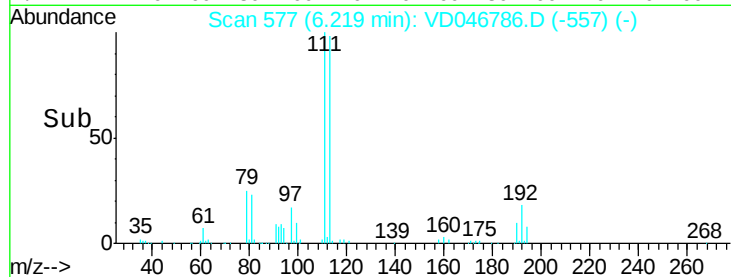
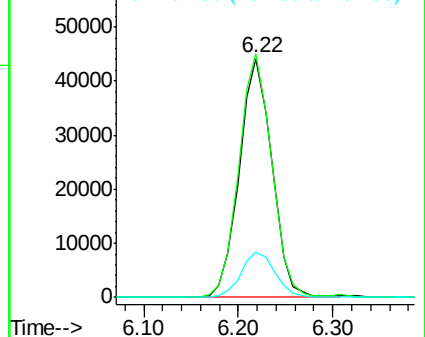
113 100

111 101.9 79.4 119.0

192 18.8 14.6 22.0



Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 21.03 ug/l

RT: 6.44 min Scan# 599

Delta R.T. -0.00 min

Lab File: VD046786.D

Acq: 18 Sep 2015 16:58

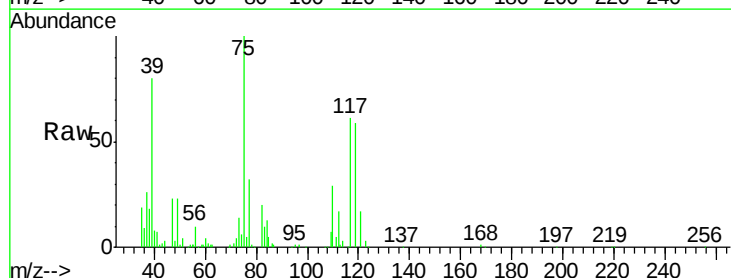
Tgt Ion: 75 Resp: 61158

Ion Ratio Lower Upper

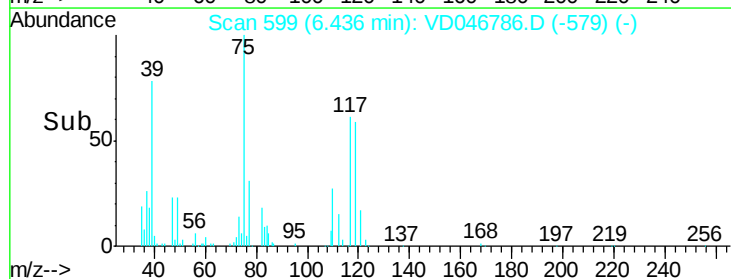
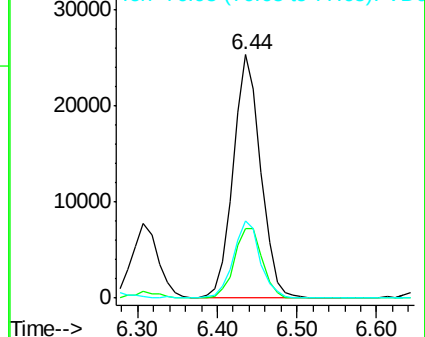
75 100

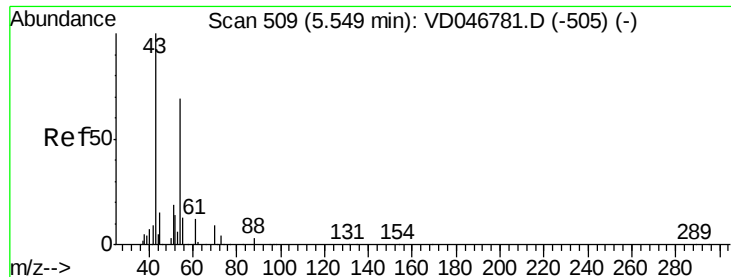
110 28.6 13.7 41.0

77 31.6 24.7 37.1



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

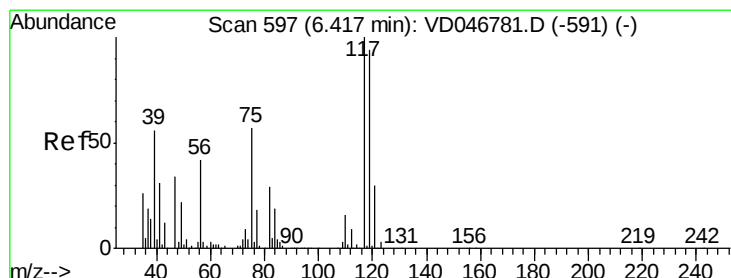
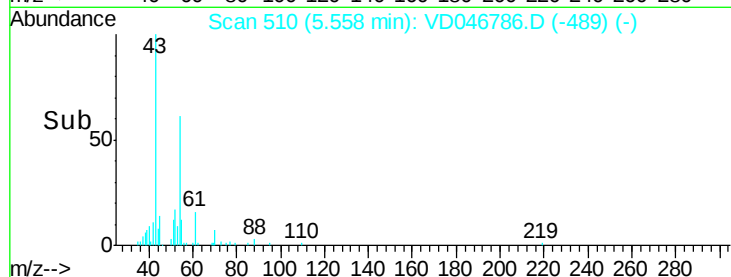
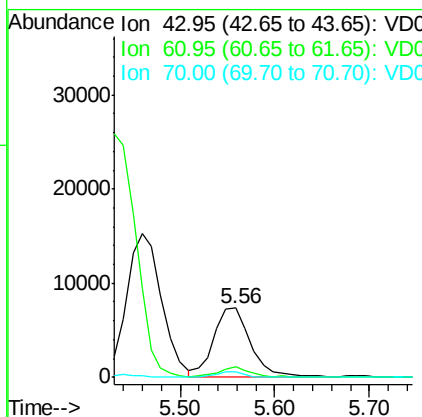
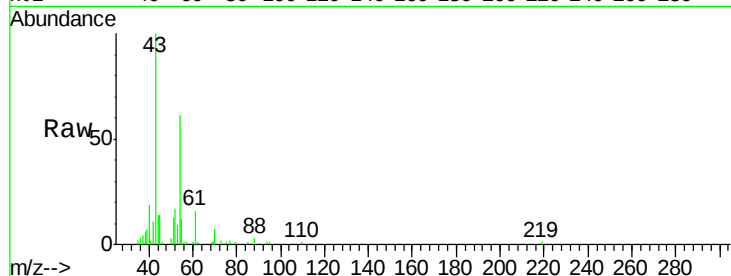




#37
Ethyl Acetate
Concen: 21.11 ug/l
RT: 5.56 min Scan# 510
Delta R.T. 0.01 min
Lab File: VD046786.D
Acq: 18 Sep 2015 16:58

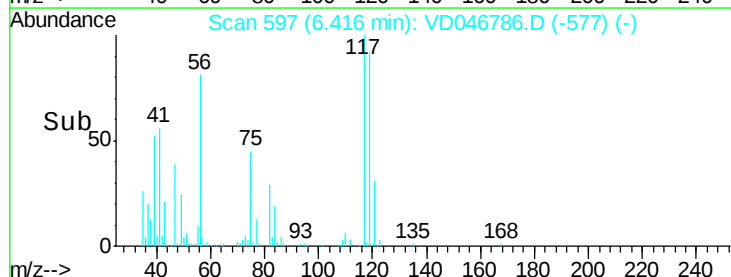
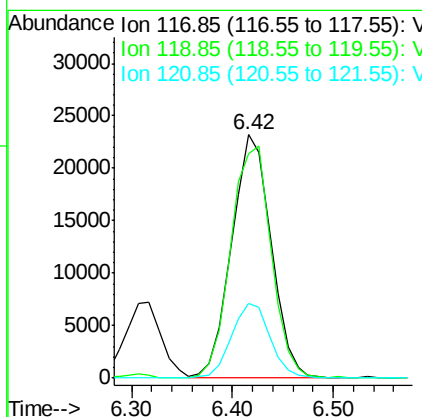
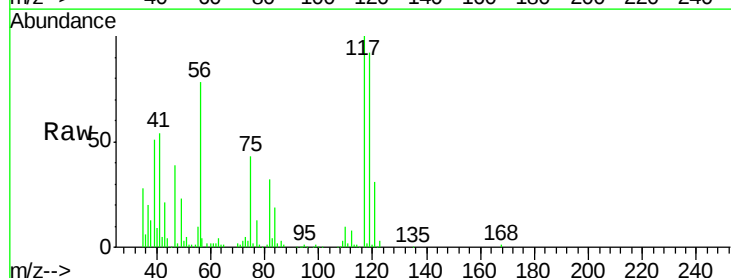
Instrument :
MSVOA_D
ClientSampleId :

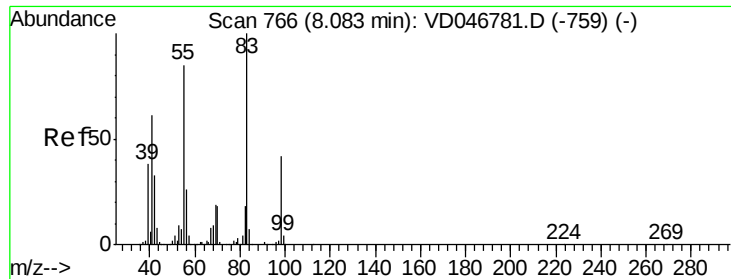
Tot Ion: 43 Resp: 19713
Ion Ratio Lower Upper
43 100
61 16.3 9.4 14.2#
70 7.2 6.0 9.0



#38
Carbon Tetrachloride
Concen: 20.90 ug/l
RT: 6.42 min Scan# 597
Delta R.T. -0.00 min
Lab File: VD046786.D
Acq: 18 Sep 2015 16:58

Tgt Ion: 117 Resp: 63135
Ion Ratio Lower Upper
117 100
119 92.2 76.2 114.4
121 30.7 24.5 36.7

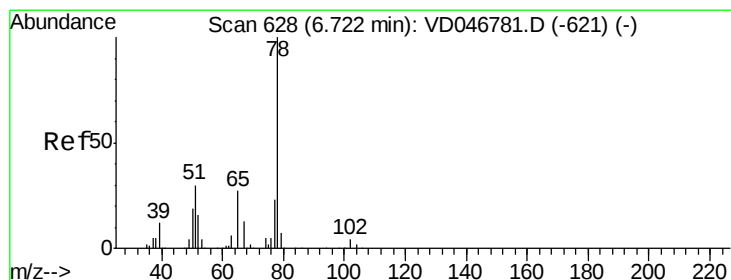
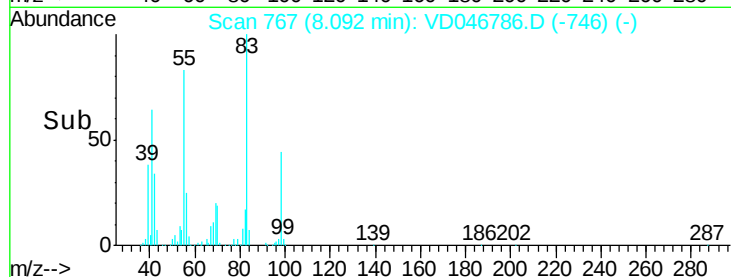
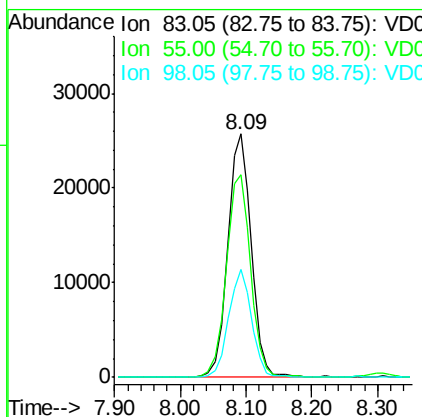
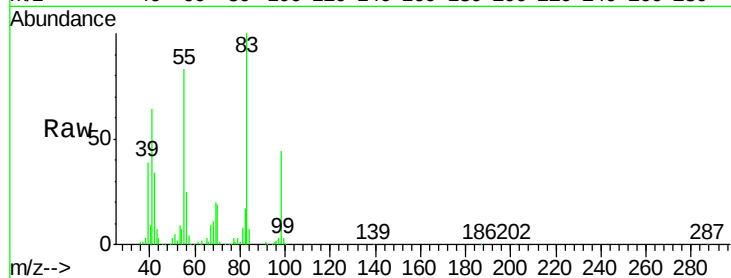




#39
Methvlcvclohexane
Concen: 21.78 ug/l
RT: 8.09 min Scan# 767
Delta R.T. 0.01 min
Lab File: VD046786.D
Acq: 18 Sep 2015 16:58

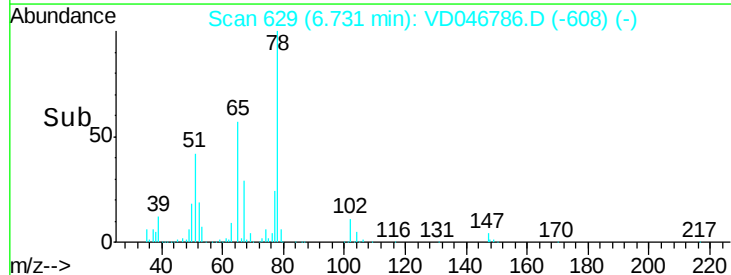
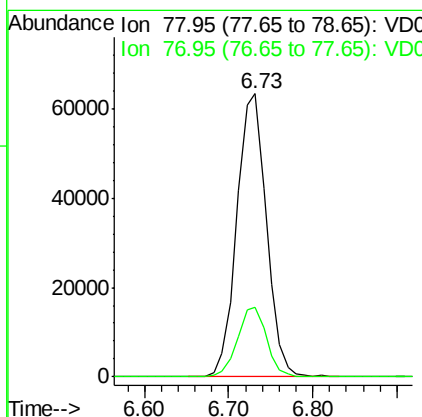
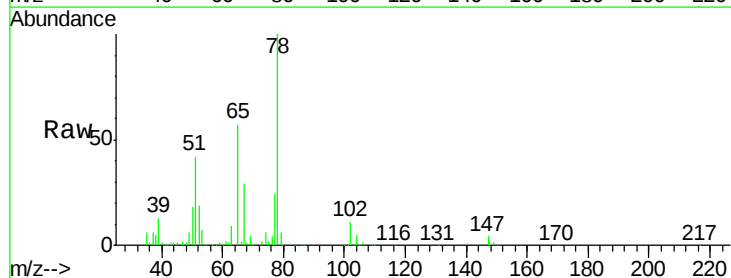
Instrument :
MSVOA_D
ClientSampleId :

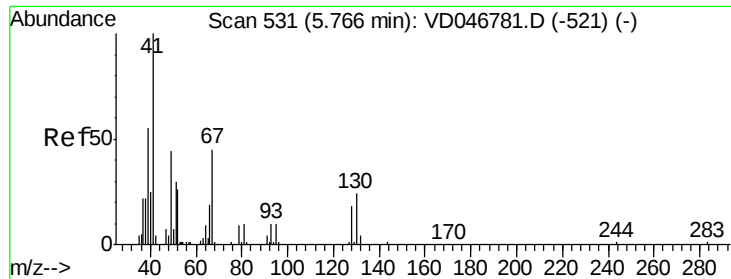
Tot Ion: 83 Resp: 64156
Ion Ratio Lower Upper
83 100
55 83.2 71.1 106.7
98 44.4 34.6 51.8



#40
Benzene
Concen: 20.97 ug/l
RT: 6.73 min Scan# 629
Delta R.T. 0.01 min
Lab File: VD046786.D
Acq: 18 Sep 2015 16:58

Tgt Ion: 78 Resp: 155606
Ion Ratio Lower Upper
78 100
77 24.4 19.9 29.9





#41

Methacrylonitrile

Concen: 20.56 ug/l

RT: 5.78 min Scan# 532

Delta R.T. 0.01 min

Lab File: VD046786.D

Acq: 18 Sep 2015 16:58

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 41 Resp: 10768

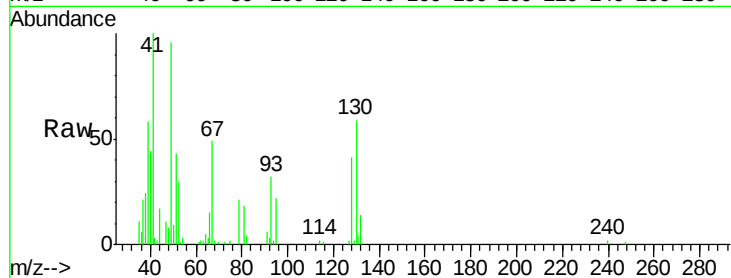
Ion Ratio Lower Upper

41 100

39 58.5 40.2 60.4

67 48.6 32.0 48.0#

52 29.8 13.8 20.8#

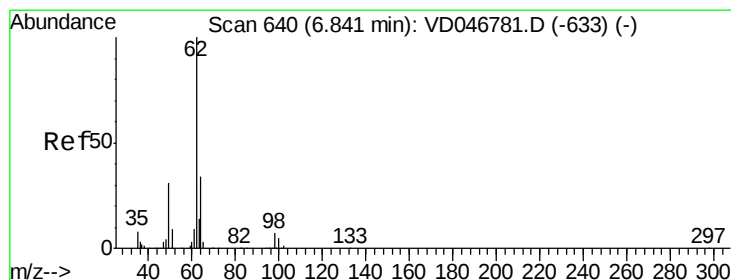
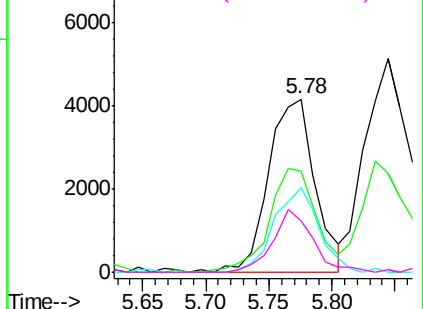
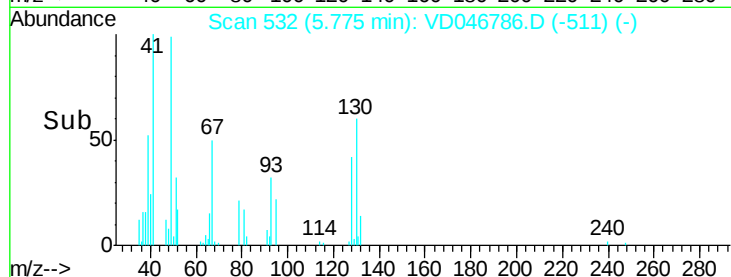


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 21.58 ug/l

RT: 6.84 min Scan# 640

Delta R.T. -0.00 min

Lab File: VD046786.D

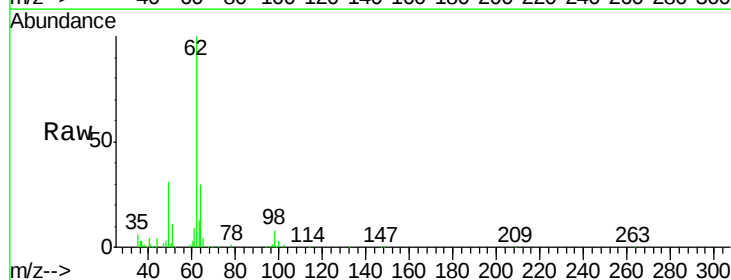
Acq: 18 Sep 2015 16:58

Tgt Ion: 62 Resp: 49757

Ion Ratio Lower Upper

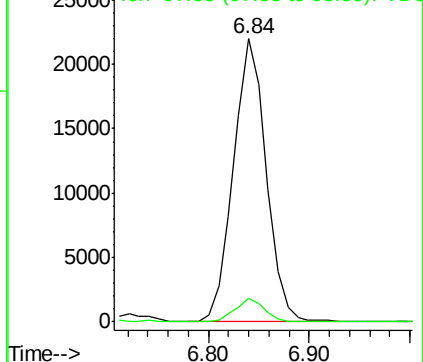
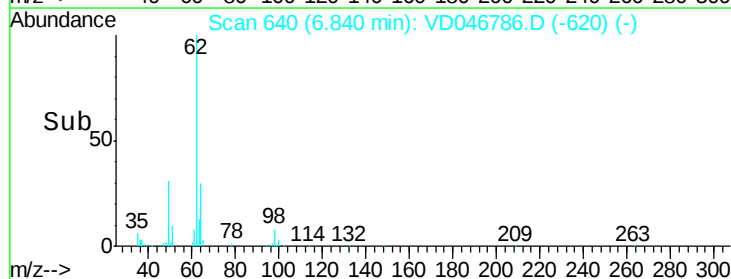
62 100

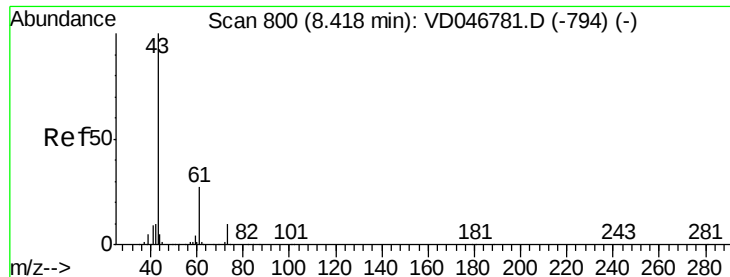
98 8.1 0.0 16.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



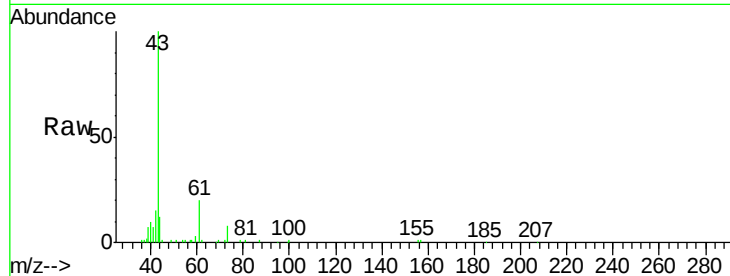


#43

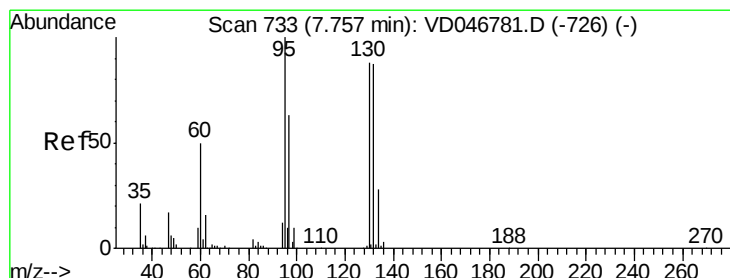
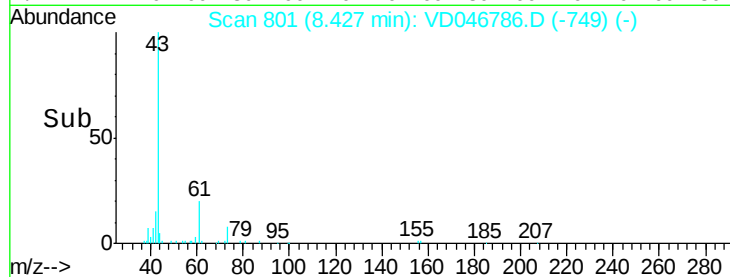
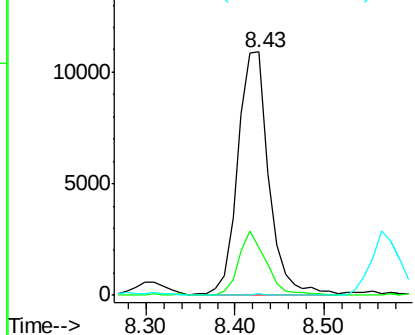
Isopropyl Acetate
 Concen: 21.59 ug/l
 RT: 8.43 min Scan# 801
 Delta R.T. 0.01 min
 Lab File: VD046786.D
 Acq: 18 Sep 2015 16:58

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion	43	Resp	26582
Ion Ratio	Lower	Upper	
43	100		
61	19.8	19.5	29.3
87	0.6	0.2	0.2#



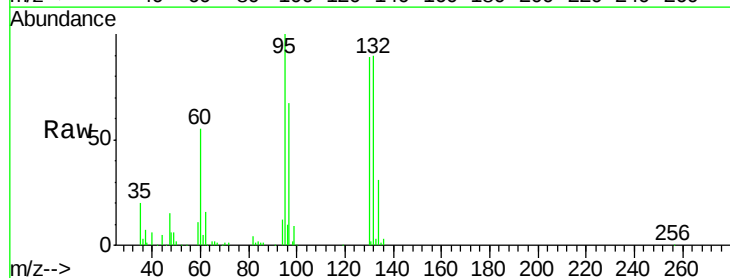
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



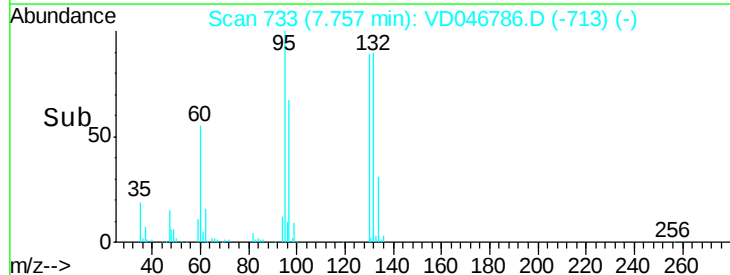
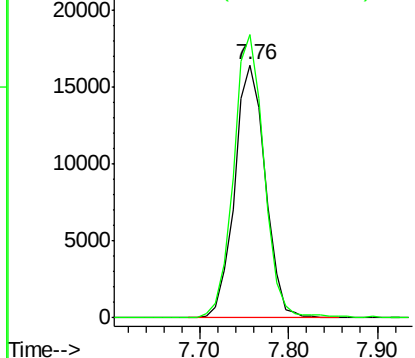
#44

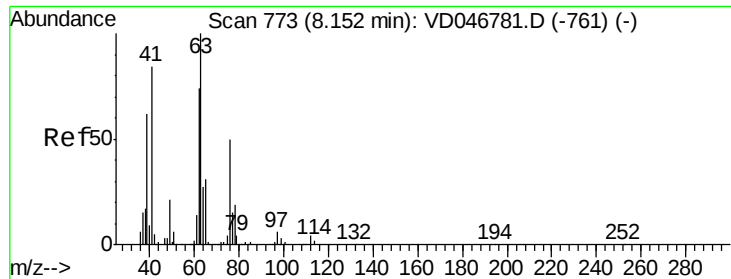
Trichloroethene
 Concen: 21.24 ug/l
 RT: 7.76 min Scan# 733
 Delta R.T. -0.00 min
 Lab File: VD046786.D
 Acq: 18 Sep 2015 16:58

Tgt Ion	130	Resp	39461
Ion Ratio	Lower	Upper	
130	100		
95	112.0	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: 20.49 ug/l

RT: 8.15 min Scan# 773

Delta R.T. -0.00 min

Lab File: VD046786.D

Acq: 18 Sep 2015 16:58

Instrument :

MSVOA_D

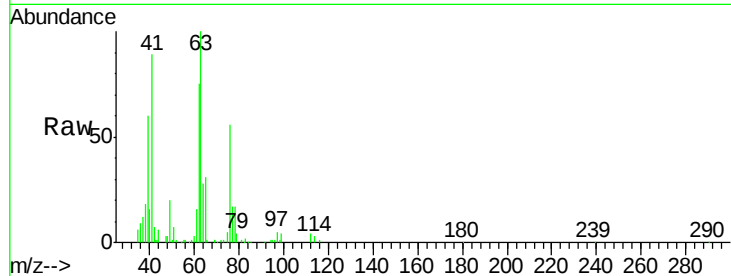
ClientSampleId :

Tot Ion: 63 Resp: 37671

Ion Ratio Lower Upper

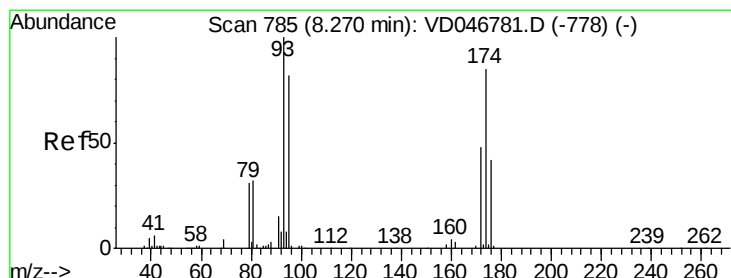
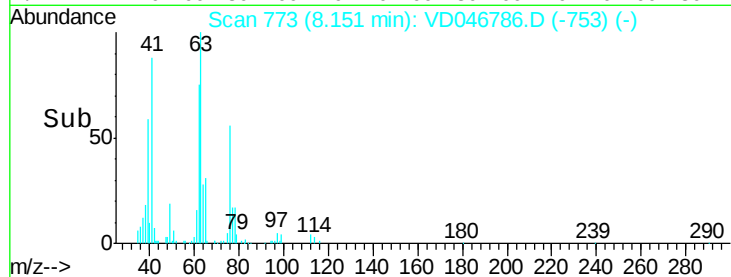
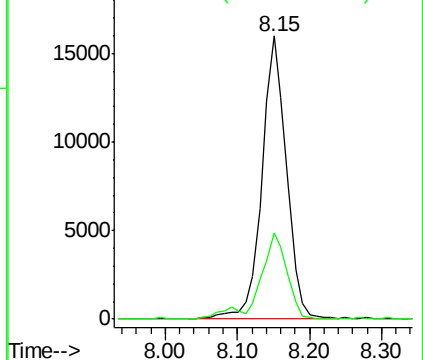
63 100

65 30.5 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: 20.83 ug/l

RT: 8.28 min Scan# 786

Delta R.T. 0.01 min

Lab File: VD046786.D

Acq: 18 Sep 2015 16:58

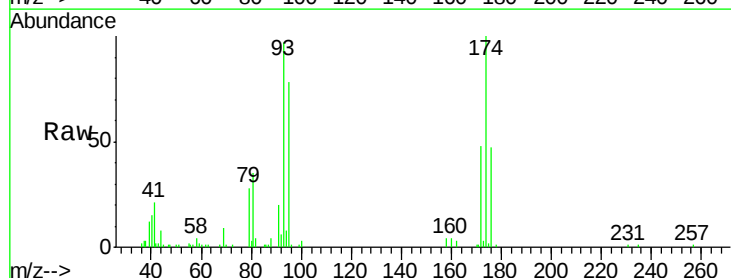
Tgt Ion: 93 Resp: 21747

Ion Ratio Lower Upper

93 100

95 80.3 70.2 105.2

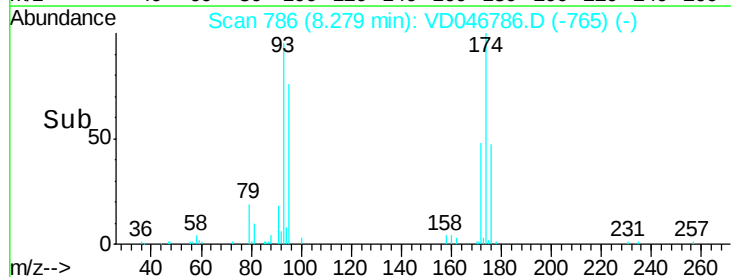
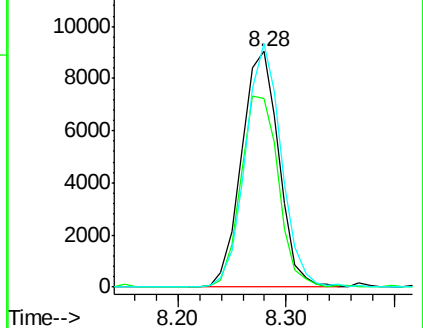
174 103.3 79.0 118.4

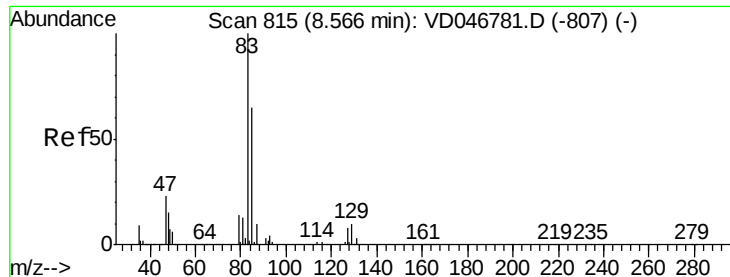


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC





#47

Bromodichloromethane

Concen: 21.53 ug/l

RT: 8.56 min Scan# 815

Delta R.T. -0.00 min

Lab File: VD046786.D

Acq: 18 Sep 2015 16:58

Instrument :

MSVOA_D

ClientSampleId :

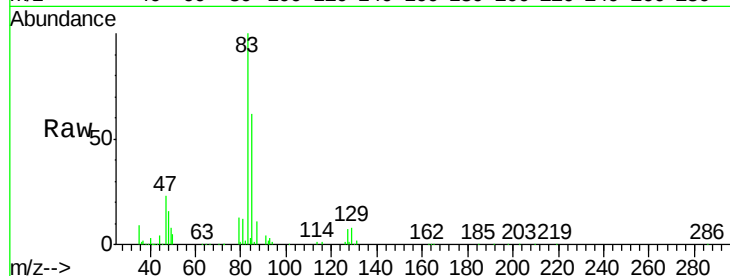
Tot Ion: 83 Resp: 59008

Ion Ratio Lower Upper

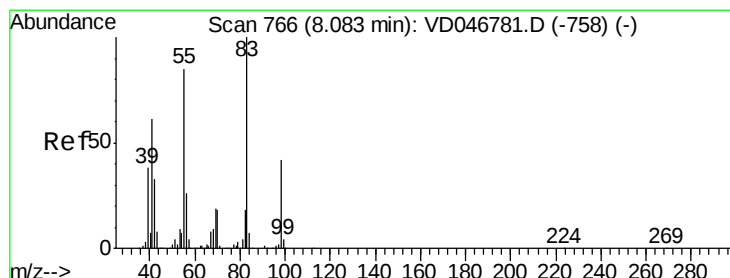
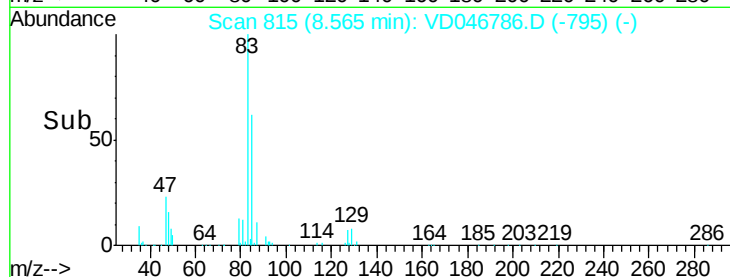
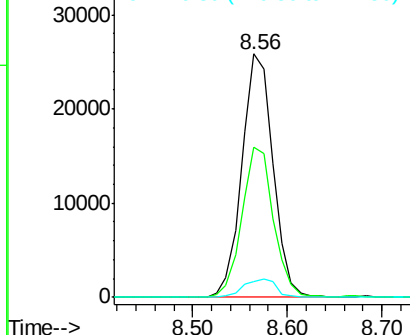
83 100

85 61.9 52.6 78.8

127 6.7 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: 21.94 ug/l

RT: 8.09 min Scan# 767

Delta R.T. 0.01 min

Lab File: VD046786.D

Acq: 18 Sep 2015 16:58

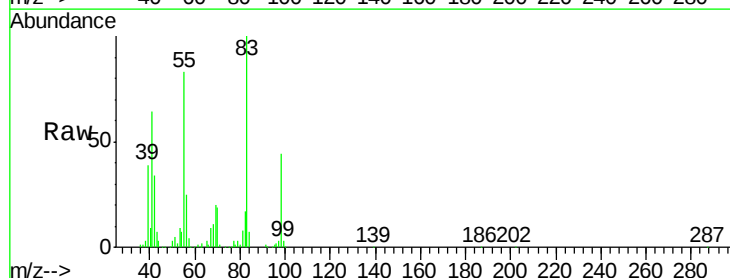
Tgt Ion: 41 Resp: 41292

Ion Ratio Lower Upper

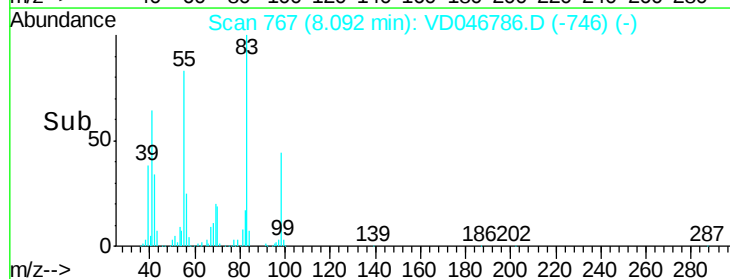
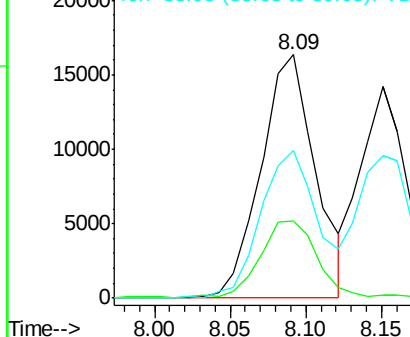
41 100

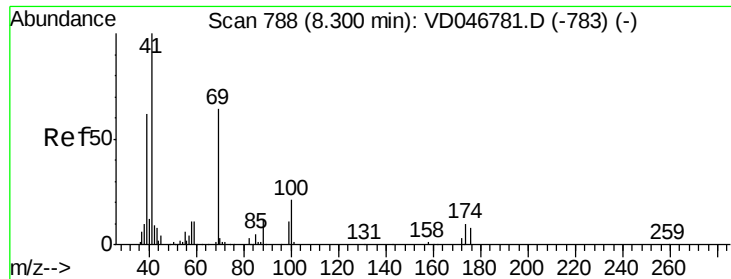
69 31.7 25.3 37.9

39 60.8 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

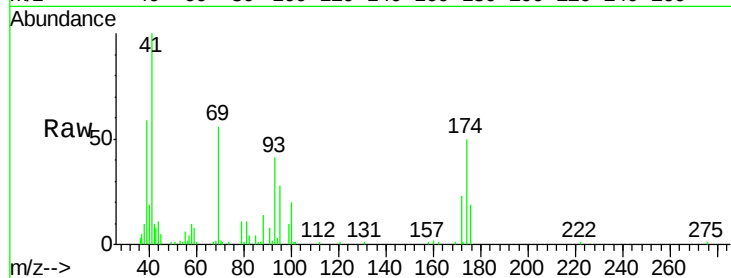




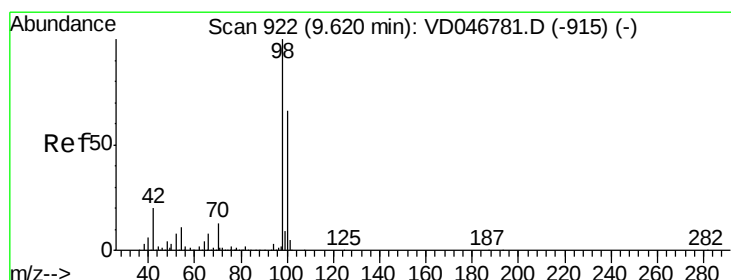
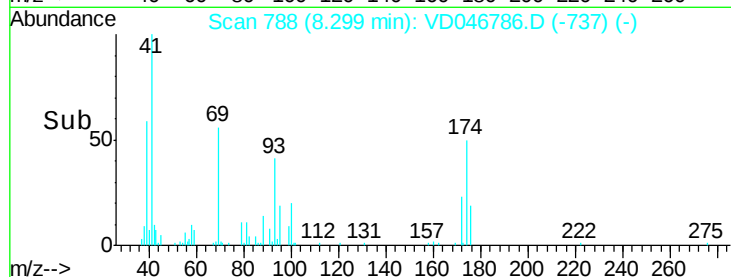
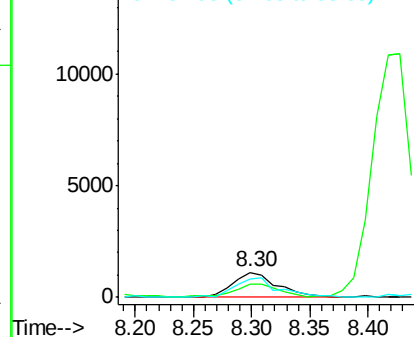
#49
 1,4-Dioxane
 Concen: 419.23 ug/l
 RT: 8.30 min Scan# 788
 Delta R.T. -0.00 min
 Lab File: VD046786.D
 Acq: 18 Sep 2015 16:58

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 88 Resp: 2919
 Ion Ratio Lower Upper
 88 100
 43 54.8 50.0 75.0
 58 72.5 48.3 72.5

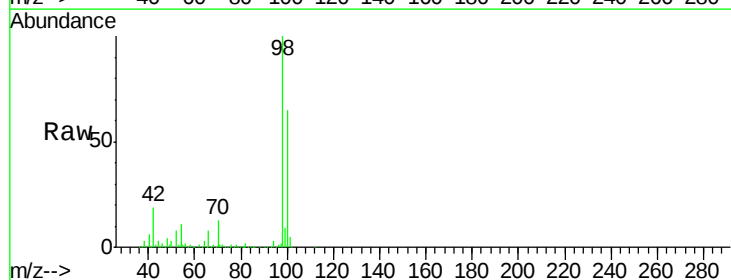


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

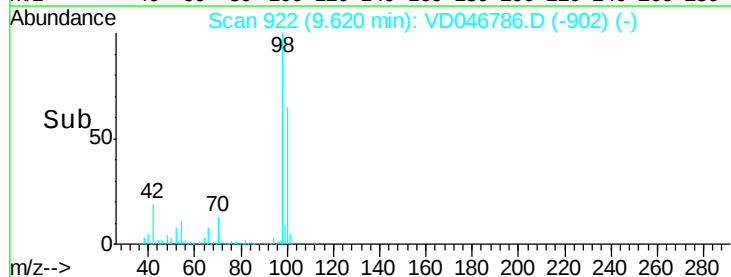
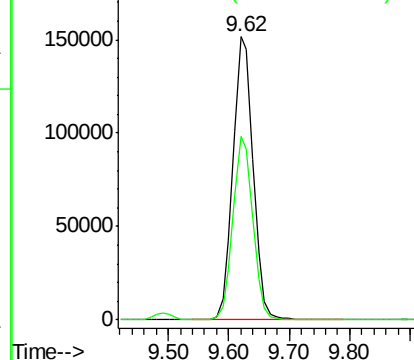


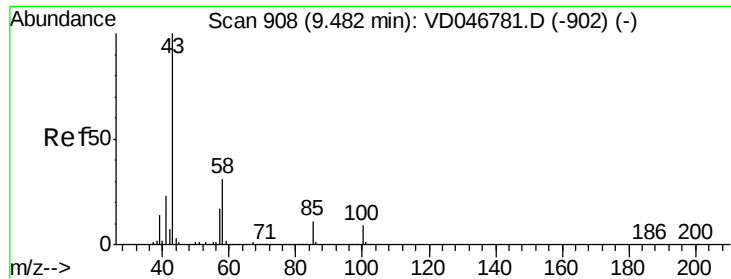
#50
 Toluene-d8
 Concen: 419.23 ug/l
 RT: 9.62 min Scan# 922
 Delta R.T. -0.00 min
 Lab File: VD046786.D
 Acq: 18 Sep 2015 16:58

Tgt Ion: 98 Resp: 351187
 Ion Ratio Lower Upper
 98 100
 100 65.0 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: 108.39 ug/l

RT: 9.49 min Scan# 909

Delta R.T. 0.01 min

Lab File: VD046786.D

Acq: 18 Sep 2015 16:58

Instrument :

MSVOA_D

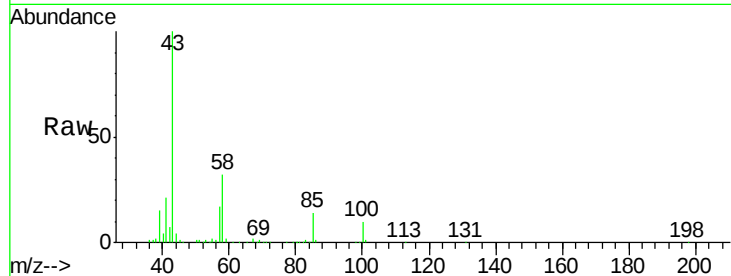
ClientSampleId :

Tot Ion: 43 Resp: 96424

Ion Ratio Lower Upper

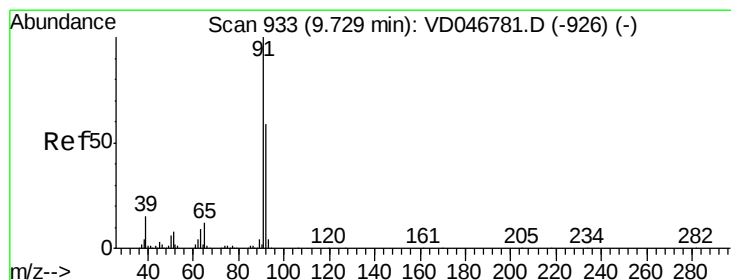
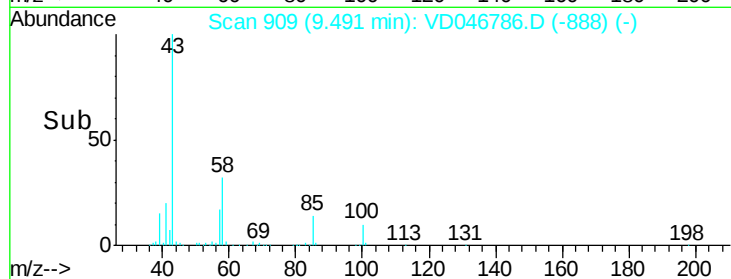
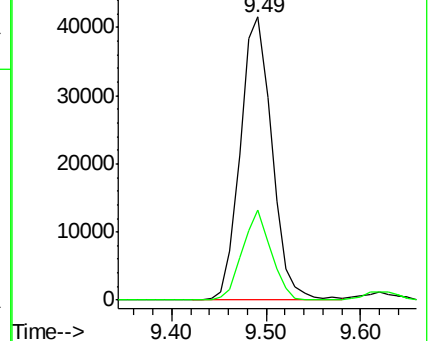
43 100

58 31.9 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: 21.37 ug/l

RT: 9.73 min Scan# 933

Delta R.T. -0.00 min

Lab File: VD046786.D

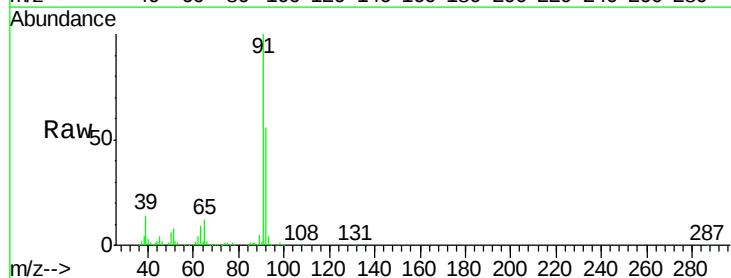
Acq: 18 Sep 2015 16:58

Tgt Ion: 92 Resp: 97836

Ion Ratio Lower Upper

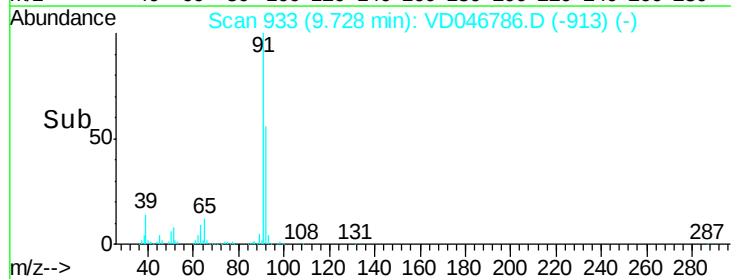
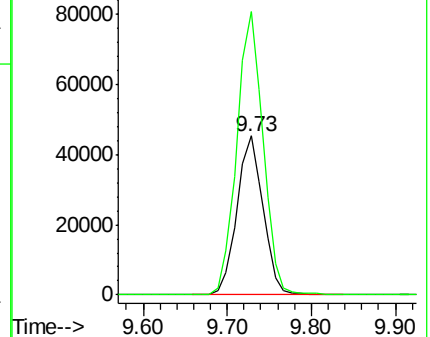
92 100

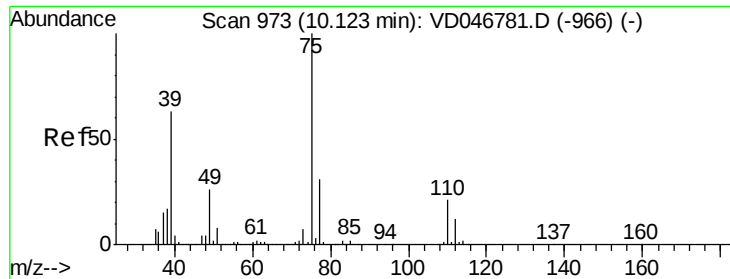
91 178.3 139.4 209.0



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: 20.92 ug/l

RT: 10.13 min Scan# 974

Delta R.T. 0.01 min

Lab File: VD046786.D

Acq: 18 Sep 2015 16:58

Instrument :

MSVOA_D

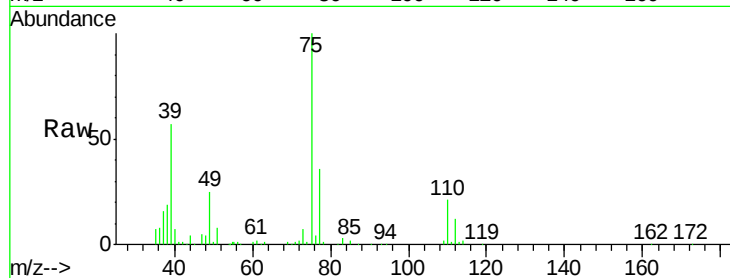
ClientSampleId :

Tot Ion: 75 Resp: 42337

Ion Ratio Lower Upper

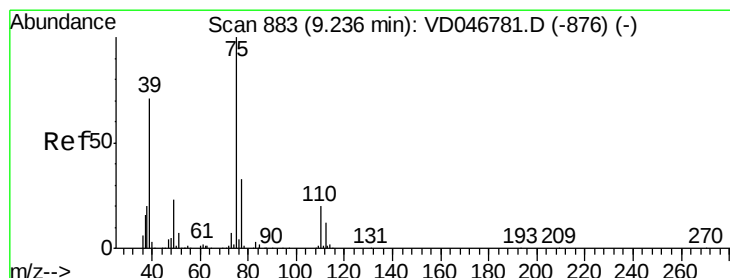
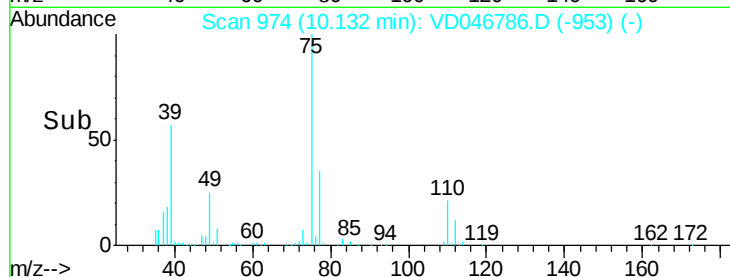
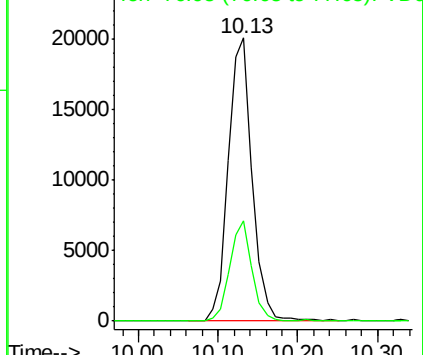
75 100

77 35.6 27.6 41.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 21.13 ug/l

RT: 9.24 min Scan# 883

Delta R.T. -0.00 min

Lab File: VD046786.D

Acq: 18 Sep 2015 16:58

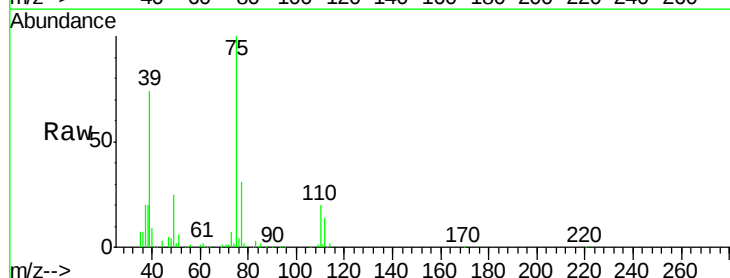
Tgt Ion: 75 Resp: 55044

Ion Ratio Lower Upper

75 100

77 31.1 23.8 35.6

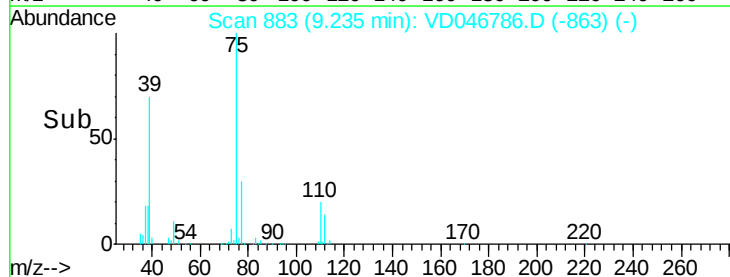
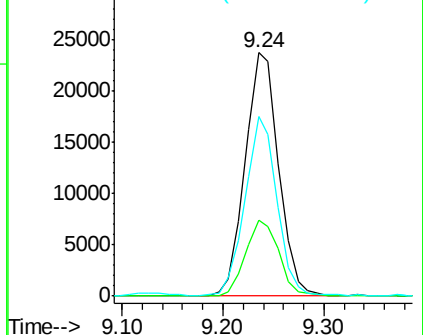
39 73.7 53.0 79.6

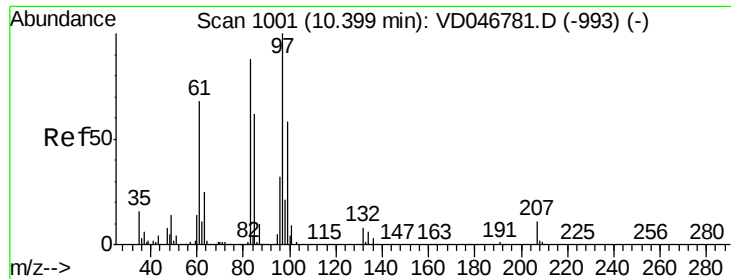


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC





#55

1,1,2-Trichloroethane

Concen: 21.35 ug/l

RT: 10.41 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VD046786.D

Acq: 18 Sep 2015 16:58

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 97 Resp: 25305

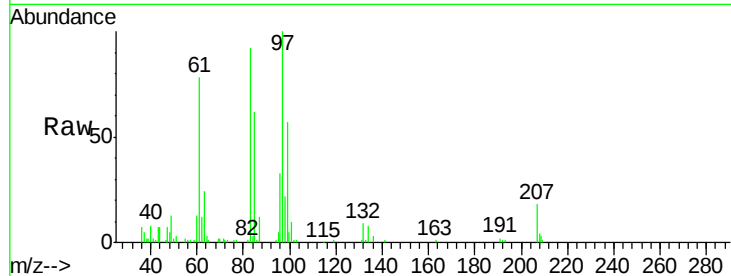
Ion Ratio Lower Upper

97 100

83 91.6 75.3 112.9

85 61.9 50.9 76.3

99 57.1 46.9 70.3

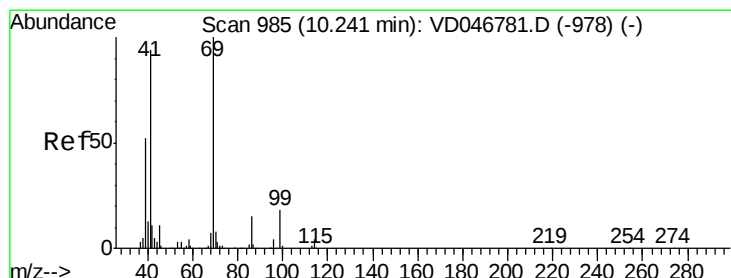
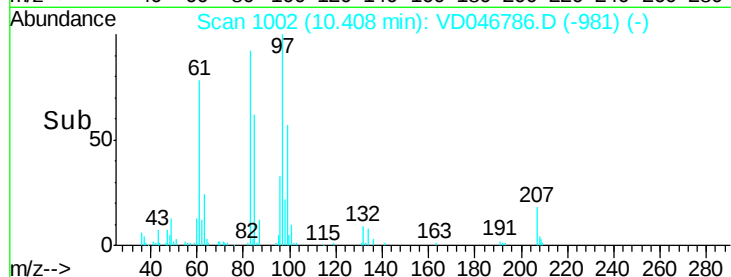
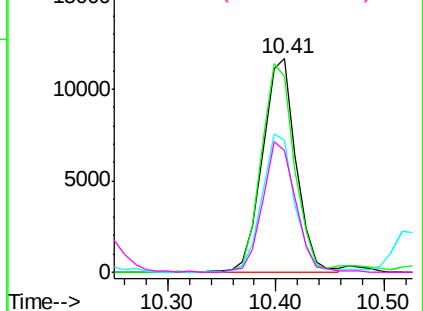


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 20.47 ug/l

RT: 10.25 min Scan# 986

Delta R.T. 0.01 min

Lab File: VD046786.D

Acq: 18 Sep 2015 16:58

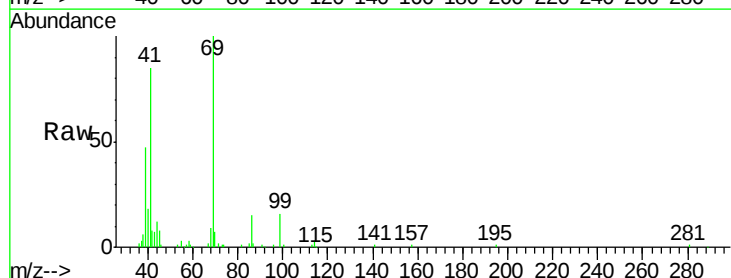
Tgt Ion: 69 Resp: 22120

Ion Ratio Lower Upper

69 100

41 84.8 75.4 113.0

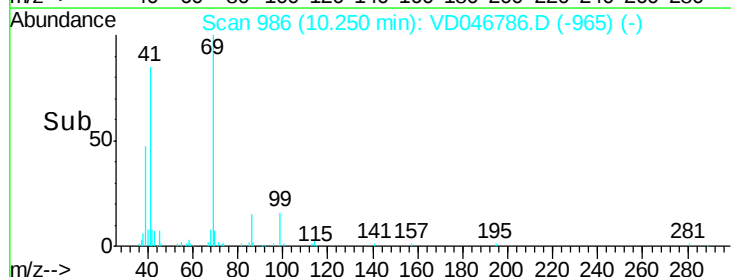
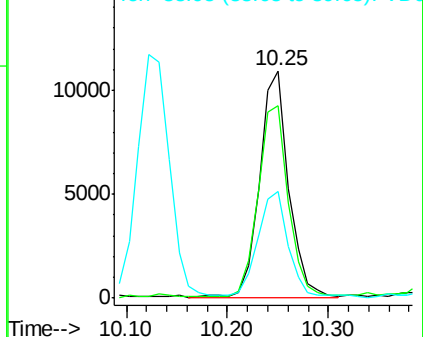
39 47.0 41.0 61.4

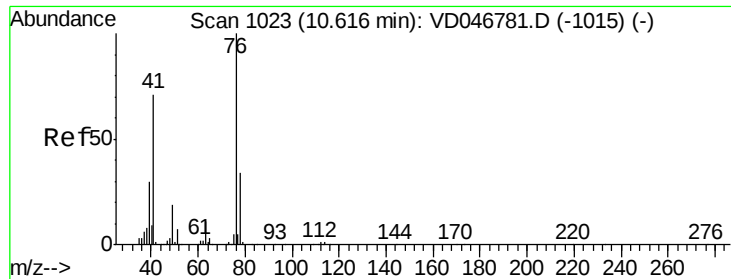


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

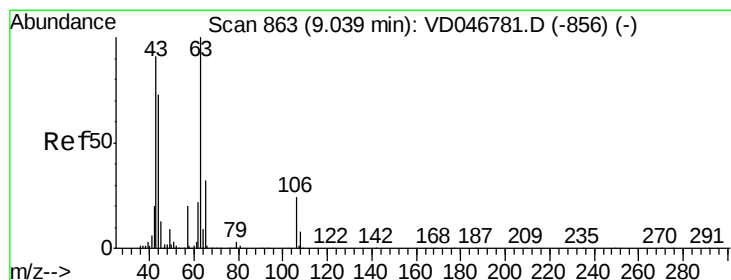
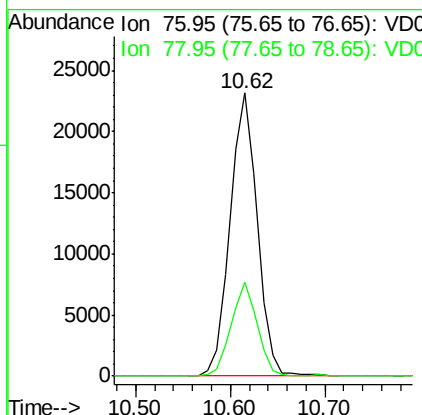
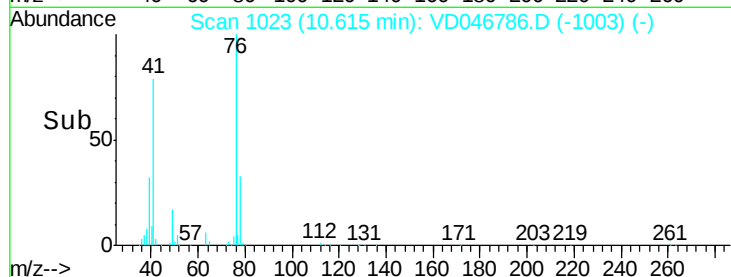
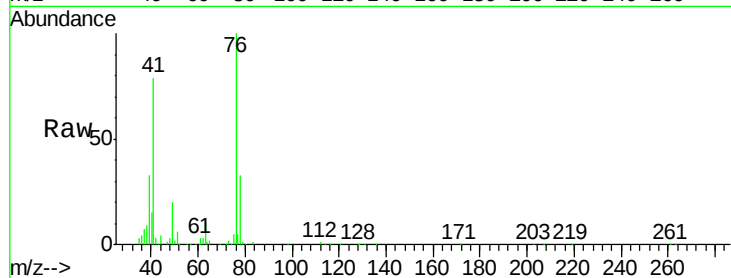




#57
 1,3-Dichloropropane
 Concen: 20.90 ug/l
 RT: 10.62 min Scan# 1023
 Delta R.T. -0.00 min
 Lab File: VD046786.D
 Acq: 18 Sep 2015 16:58

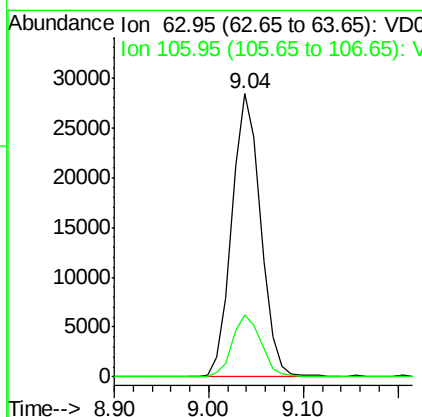
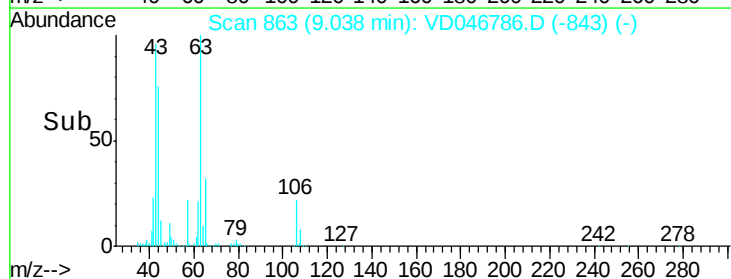
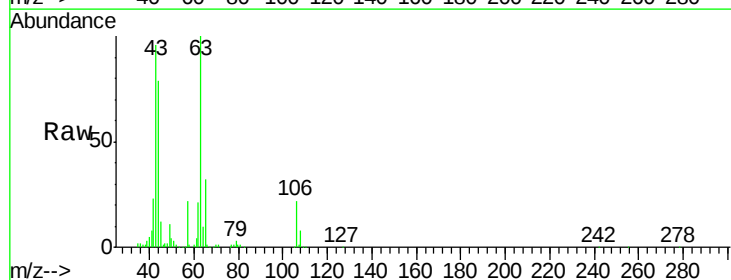
Instrument :
 MSVOA_D
 ClientSampled :

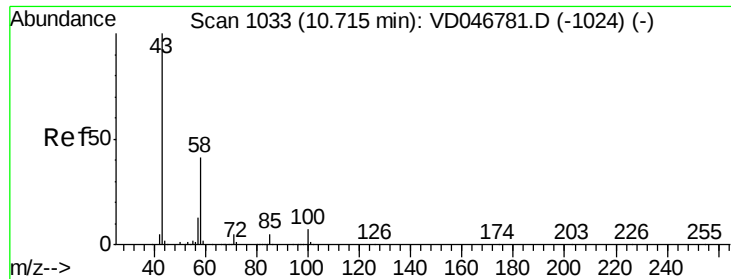
Tot Ion: 76 Resp: 46075
 Ion Ratio Lower Upper
 76 100
 78 33.3 26.6 39.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 106.41 ug/l
 RT: 9.04 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VD046786.D
 Acq: 18 Sep 2015 16:58

Tgt Ion: 63 Resp: 60016
 Ion Ratio Lower Upper
 63 100
 106 22.1 17.8 26.8

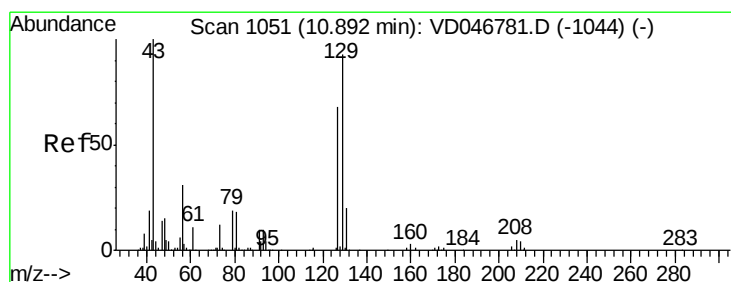
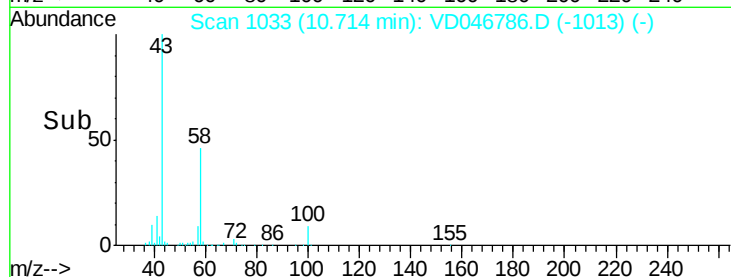
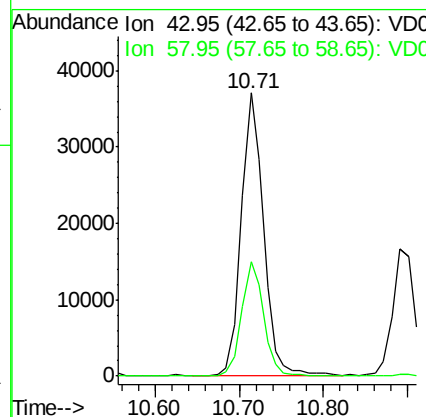
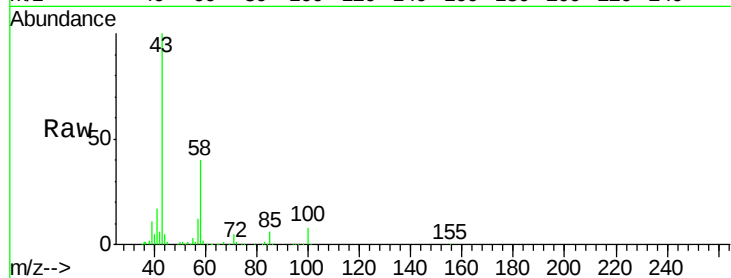




#59
2-Hexanone
Concen: 105.98 ug/l
RT: 10.71 min Scan# 1033
Delta R.T. -0.00 min
Lab File: VD046786.D
Acq: 18 Sep 2015 16:58

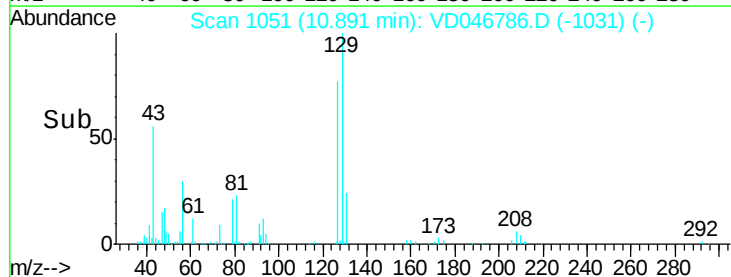
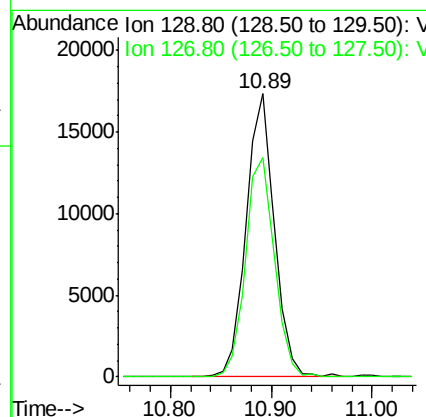
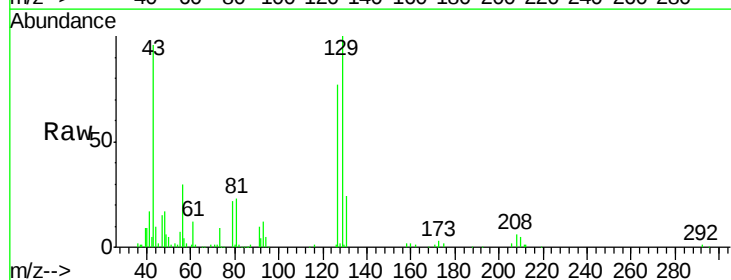
Instrument :
MSVOA_D
ClientSampleId :

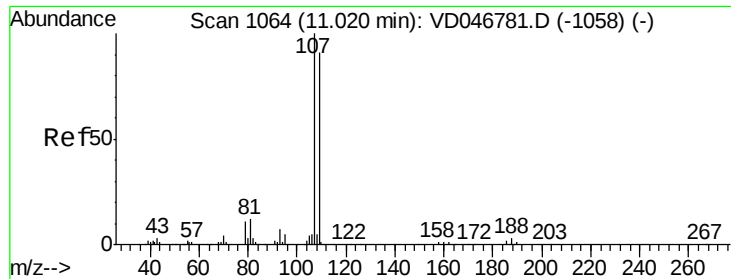
Tot Ion: 43 Resp: 68114
Ion Ratio Lower Upper
43 100
58 40.4 18.6 55.8



#60
Dibromochloromethane
Concen: 20.82 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VD046786.D
Acq: 18 Sep 2015 16:58

Tgt Ion: 129 Resp: 33866
Ion Ratio Lower Upper
129 100
127 77.4 38.2 114.6





#61

1,2-Dibromoethane

Concen: 20.84 ug/l

RT: 11.02 min Scan# 1064

Delta R.T. -0.00 min

Lab File: VD046786.D

Acq: 18 Sep 2015 16:58

Instrument :

MSVOA_D

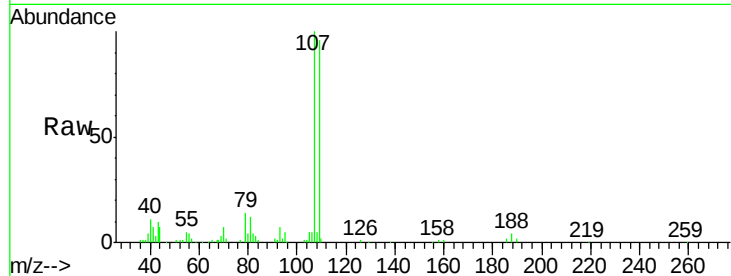
ClientSampleId :

Tot Ion:107 Resp: 24395

Ion Ratio Lower Upper

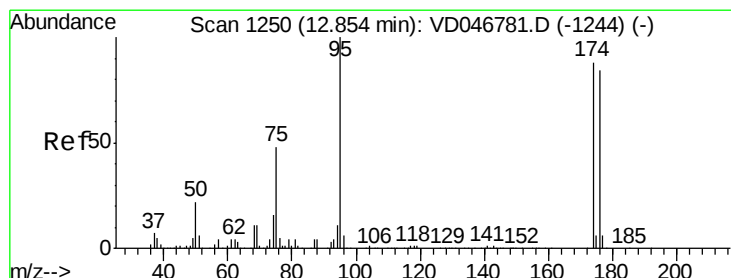
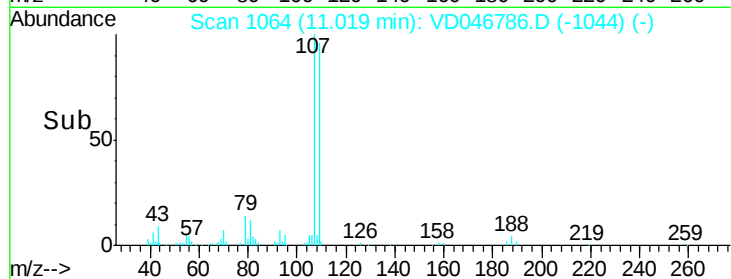
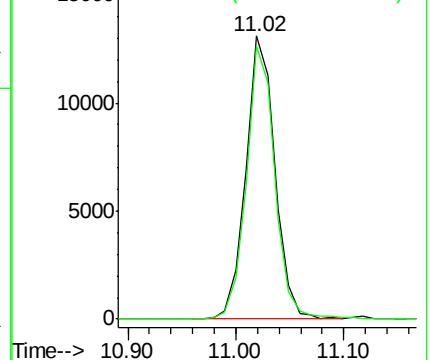
107 100

109 96.3 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: 20.84 ug/l

RT: 12.85 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VD046786.D

Acq: 18 Sep 2015 16:58

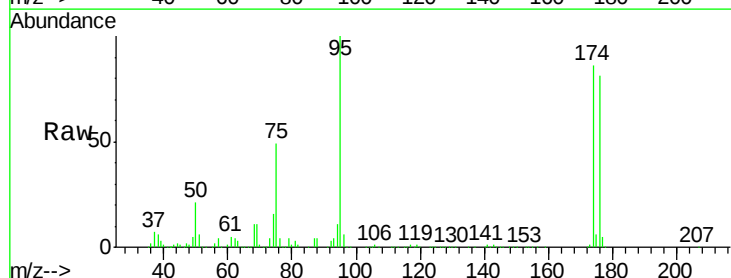
Tgt Ion: 95 Resp: 139197

Ion Ratio Lower Upper

95 100

174 85.8 0.0 149.8

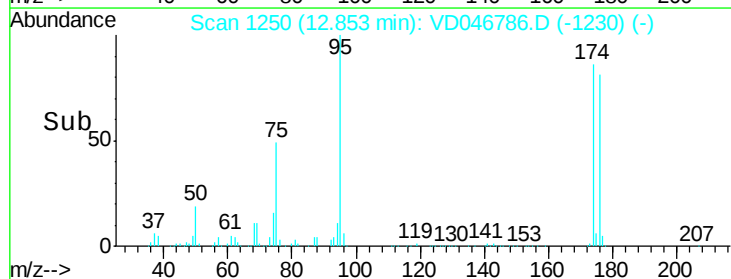
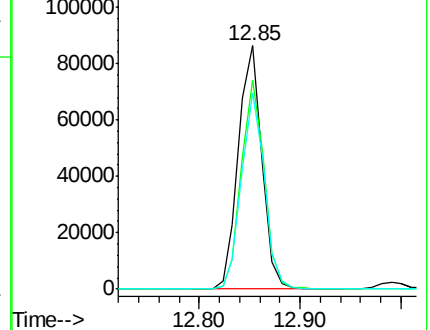
176 80.6 0.0 143.4

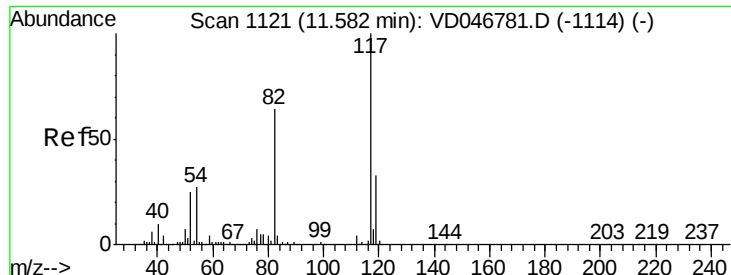


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

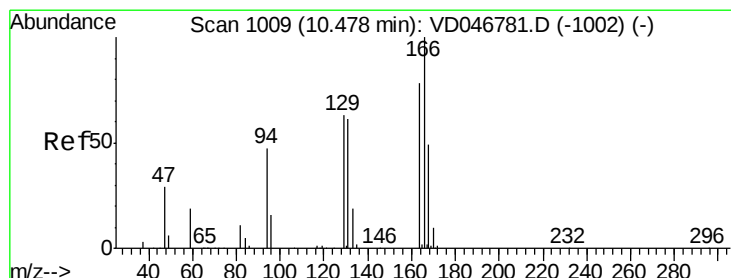
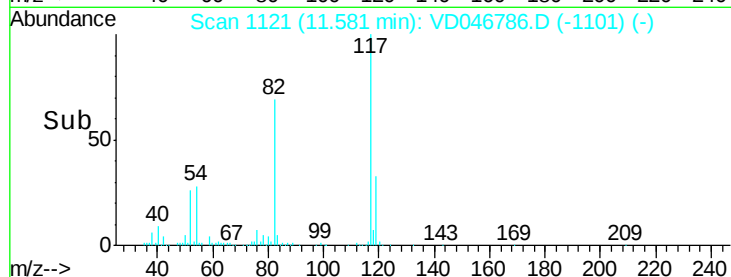
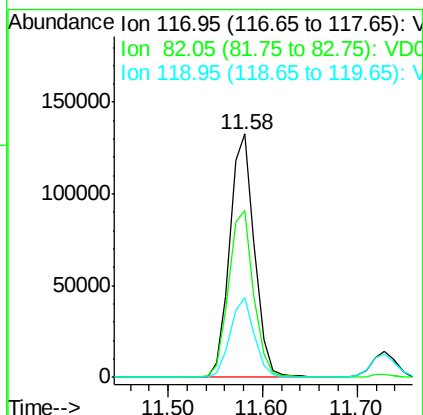
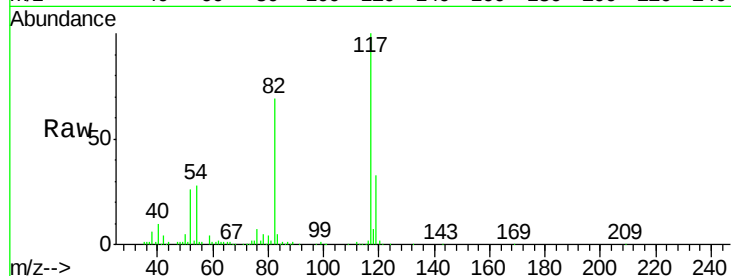




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.58 min Scan# 1121
Delta R.T. -0.00 min
Lab File: VD046786.D
Acq: 18 Sep 2015 16:58

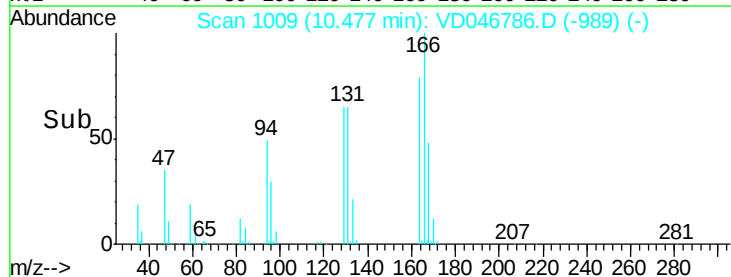
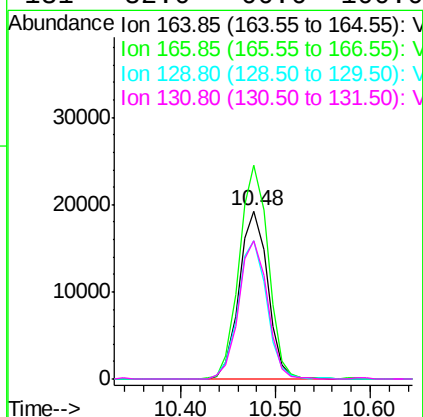
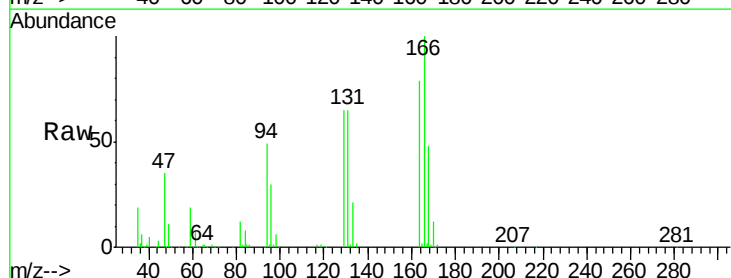
Instrument :
MSVOA_D
ClientSampleId :

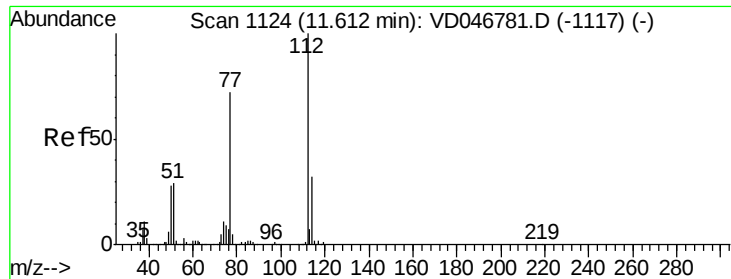
Tot Ion:117 Resp: 240104
Ion Ratio Lower Upper
117 100
82 68.6 50.6 75.8
119 32.6 25.8 38.8



#64
Tetrachloroethene
Concen: 20.82 ug/l
RT: 10.48 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VD046786.D
Acq: 18 Sep 2015 16:58

Tgt Ion:164 Resp: 40373
Ion Ratio Lower Upper
164 100
166 127.0 106.8 160.2
129 82.0 70.6 106.0
131 82.0 66.6 100.0

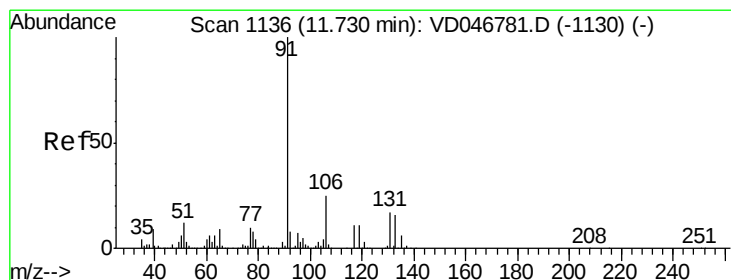
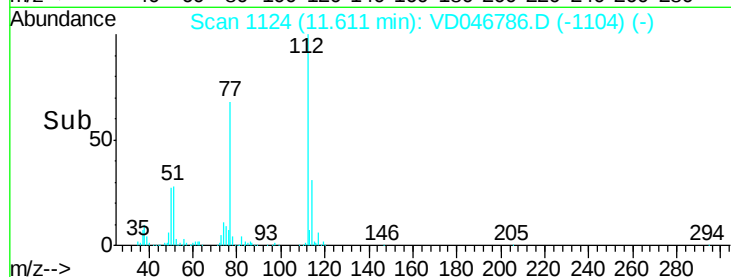
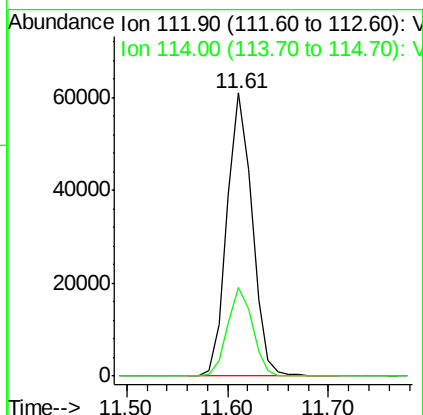
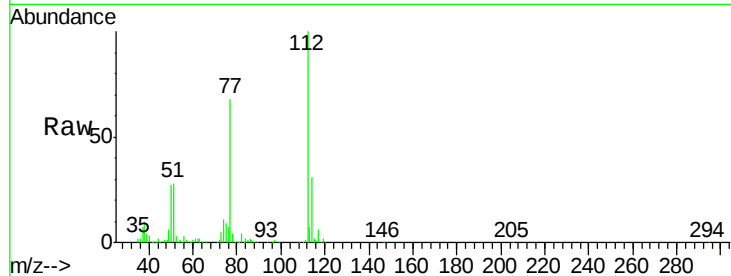




#65
Chlorobenzene
Concen: 20.91 ug/l
RT: 11.61 min Scan# 1124
Delta R.T. -0.00 min
Lab File: VD046786.D
Acq: 18 Sep 2015 16:58

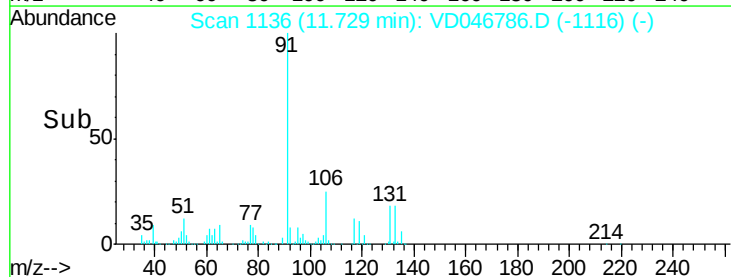
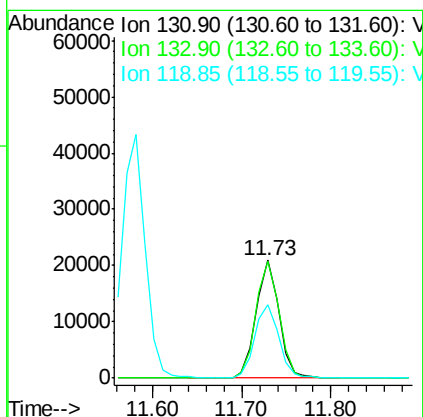
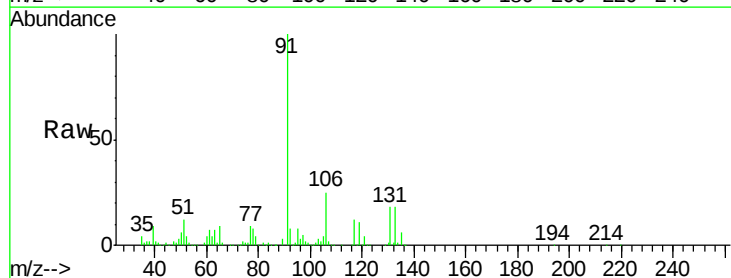
Instrument :
MSVOA_D
ClientSampleId :

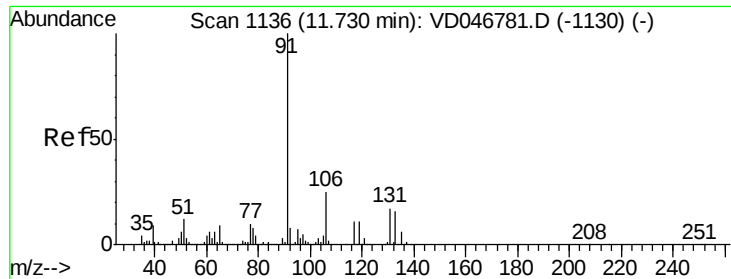
Tot Ion:112 Resp: 105659
Ion Ratio Lower Upper
112 100
114 31.3 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 19.89 ug/l
RT: 11.73 min Scan# 1136
Delta R.T. -0.00 min
Lab File: VD046786.D
Acq: 18 Sep 2015 16:58

Tgt Ion:131 Resp: 36913
Ion Ratio Lower Upper
131 100
133 99.0 48.4 145.0
119 61.8 31.5 94.5





#67

Ethyl Benzene

Concen: 21.38 ug/l

RT: 11.74 min Scan# 1137

Delta R.T. 0.01 min

Lab File: VD046786.D

Acq: 18 Sep 2015 16:58

Instrument :

MSVOA_D

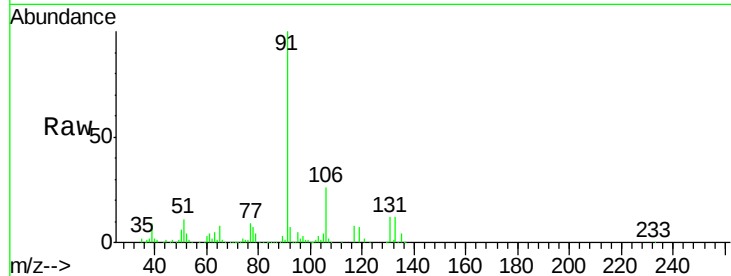
ClientSampleId :

Tot Ion: 91 Resp: 217133

Ion Ratio Lower Upper

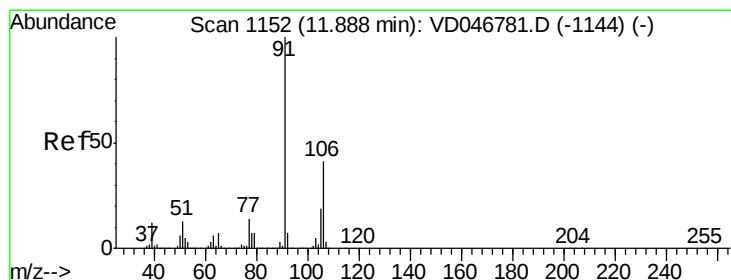
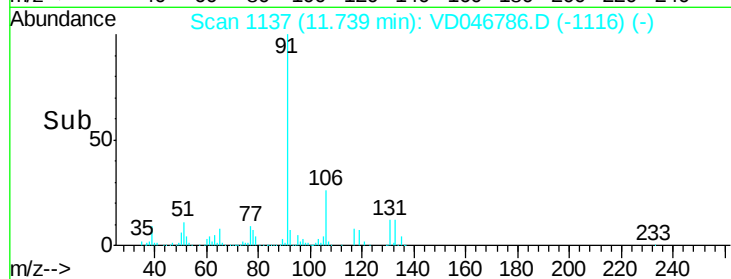
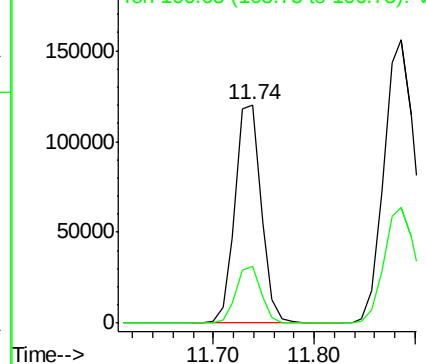
91 100

106 26.0 20.2 30.2



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.05 (105.75 to 106.75): V



#68

m/p-Xylenes

Concen: 43.31 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. -0.00 min

Lab File: VD046786.D

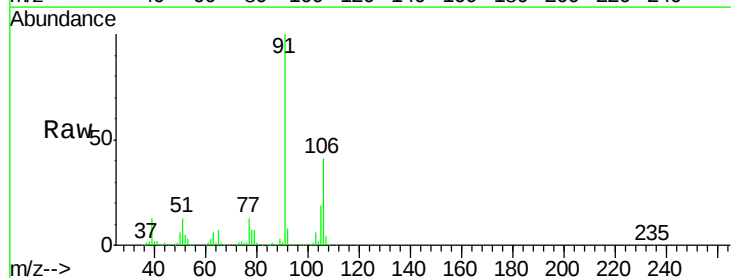
Acq: 18 Sep 2015 16:58

Tgt Ion: 106 Resp: 138692

Ion Ratio Lower Upper

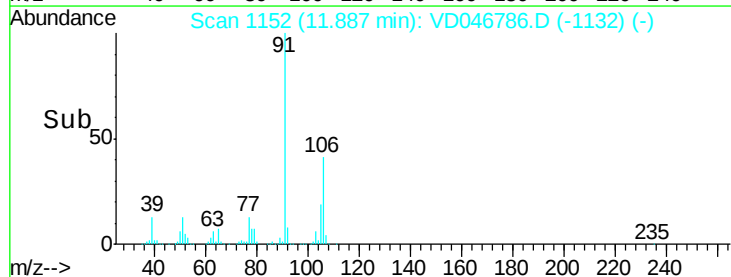
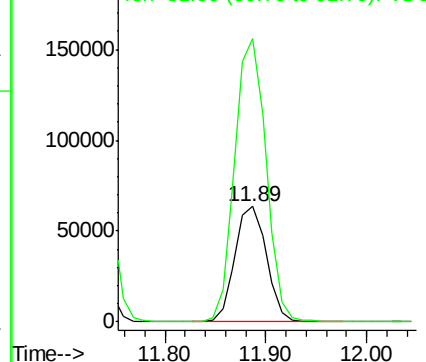
106 100

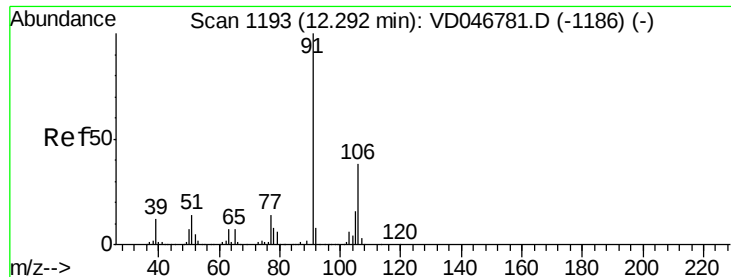
91 245.3 187.9 281.9



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): VDC

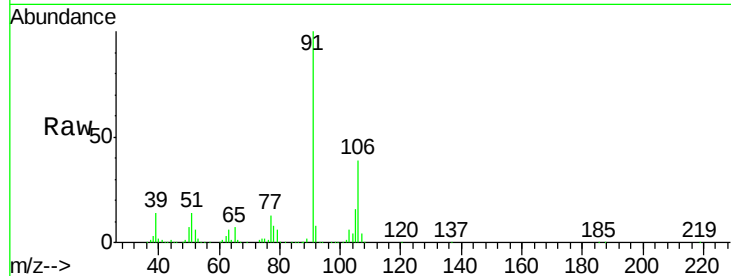




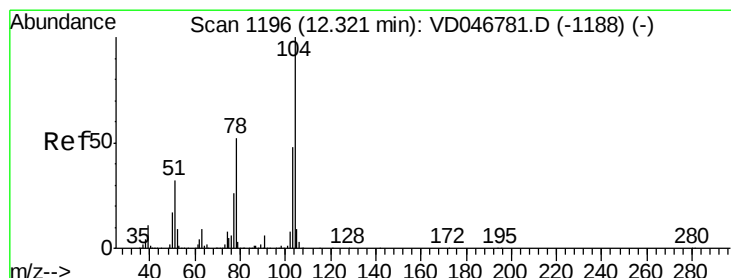
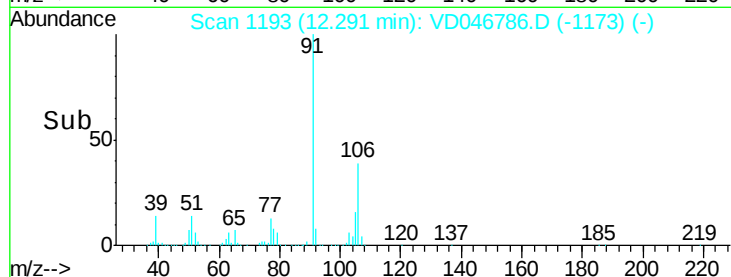
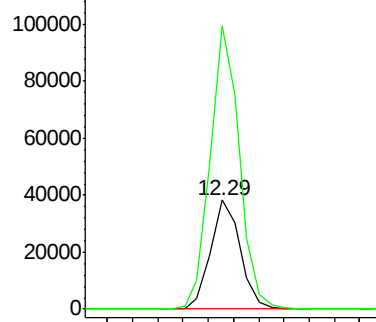
#69
o-Xylene
Concen: 21.72 ug/l
RT: 12.29 min Scan# 1193
Delta R.T. -0.00 min
Lab File: VD046786.D
Acq: 18 Sep 2015 16:58

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:106 Resp: 62613
Ion Ratio Lower Upper
106 100
91 259.5 124.8 374.5

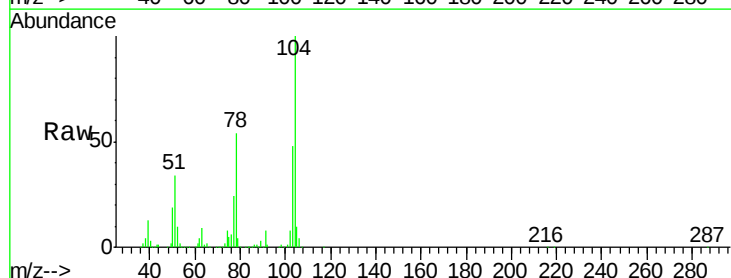


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

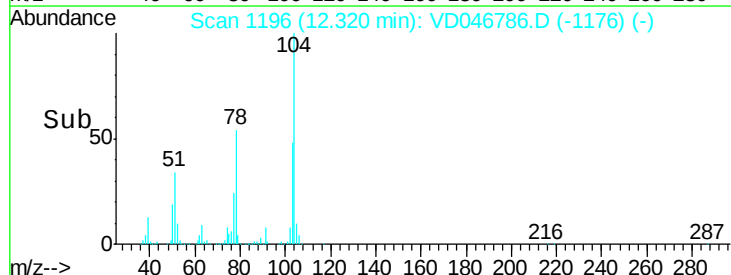
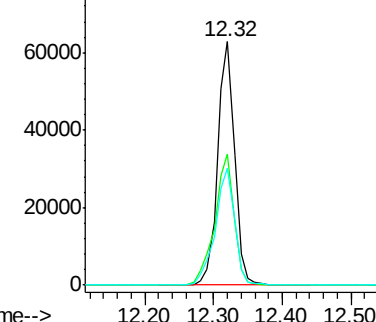


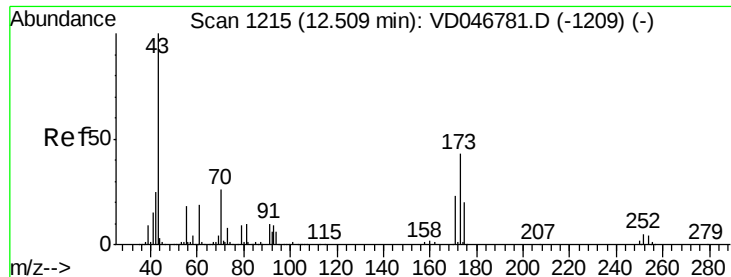
#70
Styrene
Concen: 21.37 ug/l
RT: 12.32 min Scan# 1196
Delta R.T. -0.00 min
Lab File: VD046786.D
Acq: 18 Sep 2015 16:58

Tgt Ion:104 Resp: 106792
Ion Ratio Lower Upper
104 100
78 53.9 44.5 66.7
103 47.9 40.3 60.5



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





#71

Bromoform

Concen: 20.43 ug/l

RT: 12.51 min Scan# 1215

Delta R.T. -0.00 min

Lab File: VD046786.D

Acq: 18 Sep 2015 16:58

Instrument :

MSVOA_D

ClientSampleId :

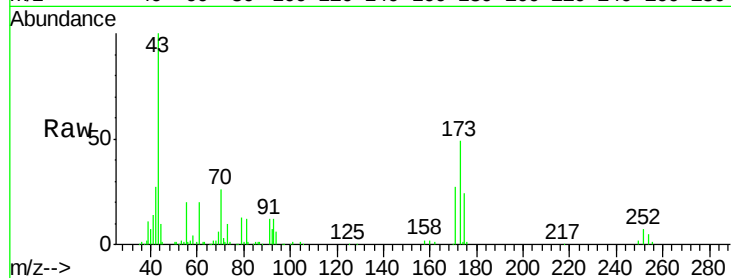
Tot Ion:173 Resp: 20196

Ion Ratio Lower Upper

173 100

175 49.6 23.1 69.3

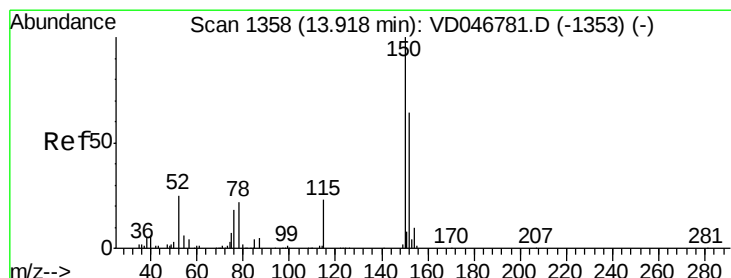
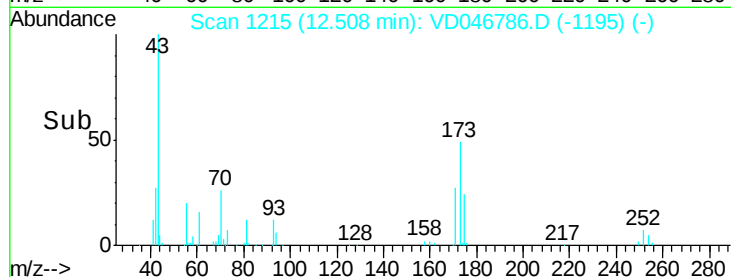
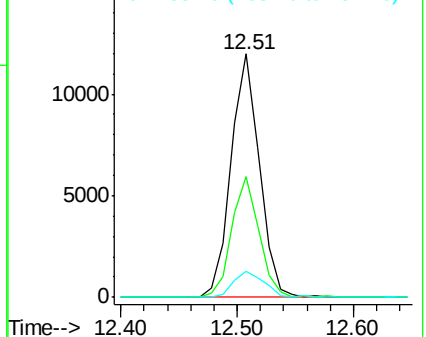
254 10.6 8.7 13.1



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.92 min Scan# 1358

Delta R.T. -0.00 min

Lab File: VD046786.D

Acq: 18 Sep 2015 16:58

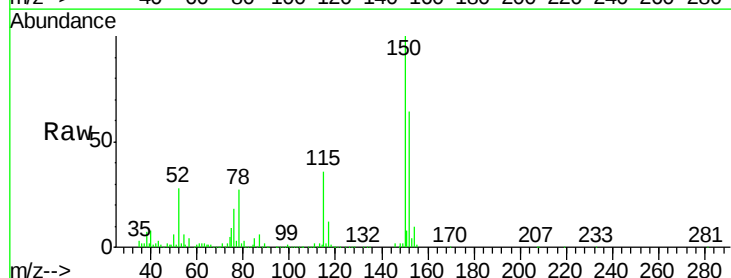
Tgt Ion:152 Resp: 127980

Ion Ratio Lower Upper

152 100

115 56.6 26.2 78.6

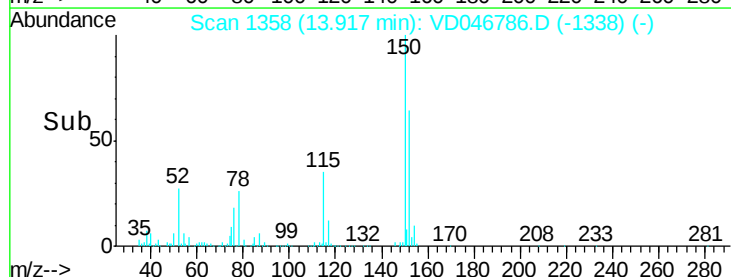
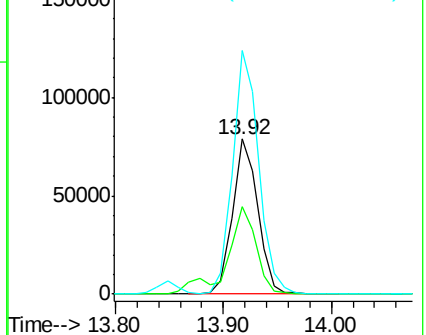
150 157.1 0.0 311.8

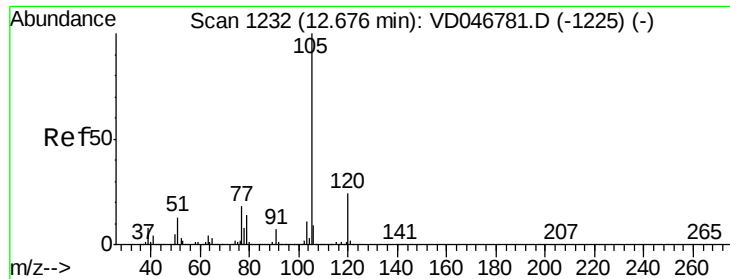


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.60 ug/l

RT: 12.68 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD046786.D

Acq: 18 Sep 2015 16:58

Instrument :

MSVOA_D

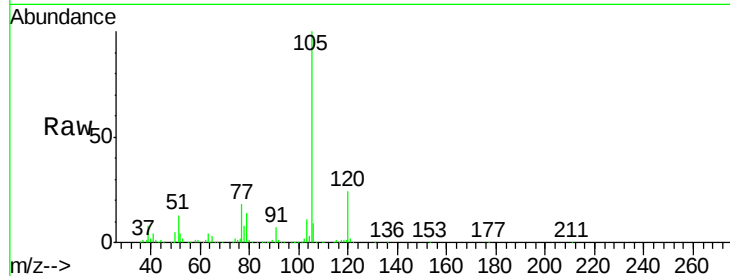
ClientSampleId :

Tot Ion:105 Resp: 194899

Ion Ratio Lower Upper

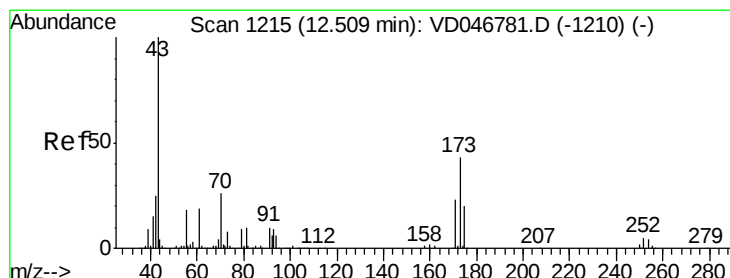
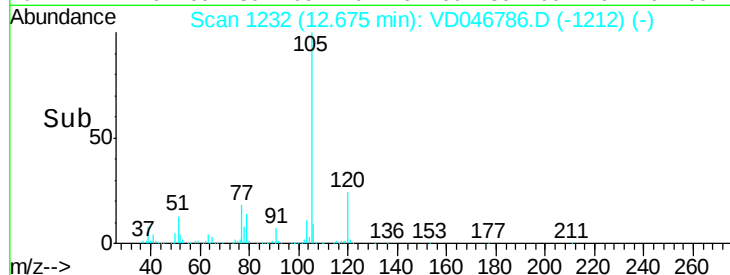
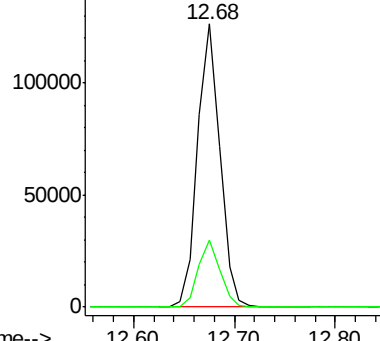
105 100

120 23.5 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: 20.14 ug/l

RT: 12.51 min Scan# 1215

Delta R.T. -0.00 min

Lab File: VD046786.D

Acq: 18 Sep 2015 16:58

Tgt Ion: 43 Resp: 38656

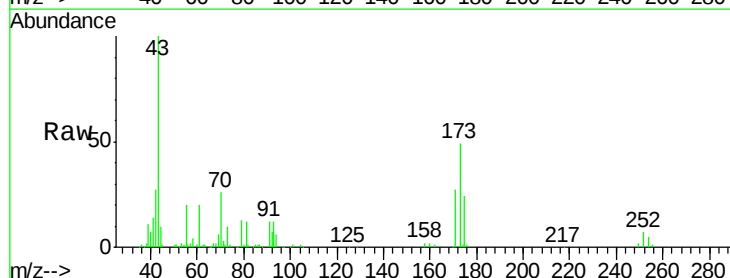
Ion Ratio Lower Upper

43 100

70 26.3 22.1 33.1

55 19.9 14.5 21.7

61 20.2 14.6 21.8

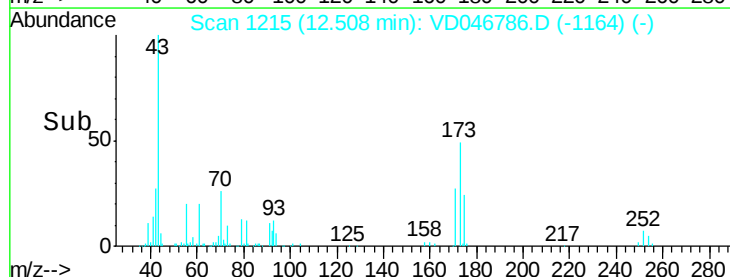
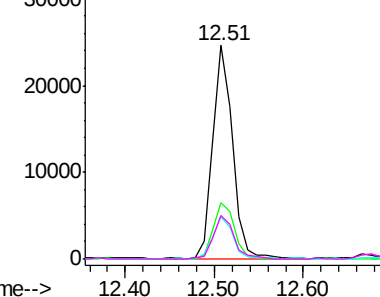


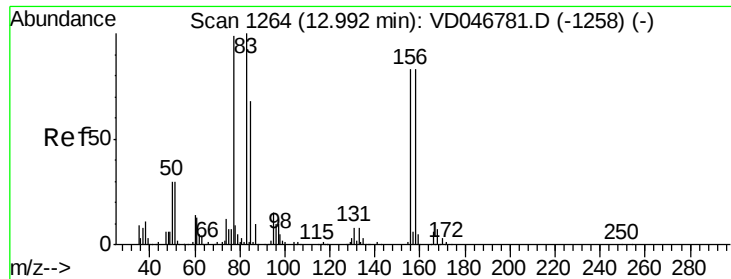
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 20.76 ug/l

RT: 12.99 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VD046786.D

Acq: 18 Sep 2015 16:58

Instrument :

MSVOA_D

ClientSampleId :

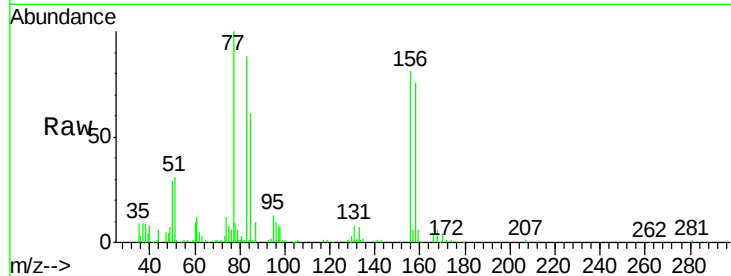
Tot Ion: 83 Resp: 30223

Ion Ratio Lower Upper

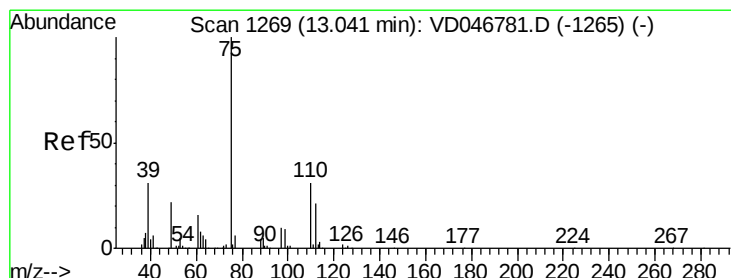
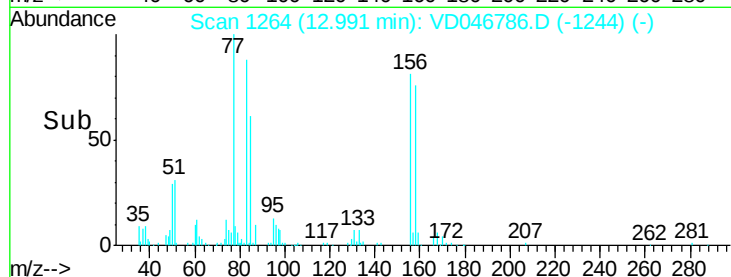
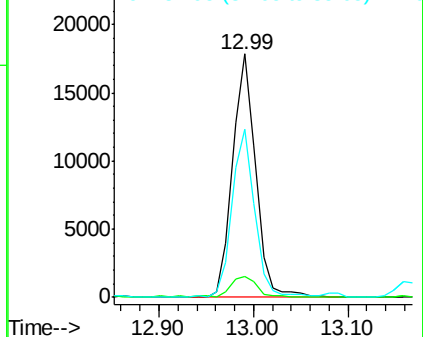
83 100

131 8.8 3.9 11.7

85 69.1 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: 20.06 ug/l

RT: 13.04 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VD046786.D

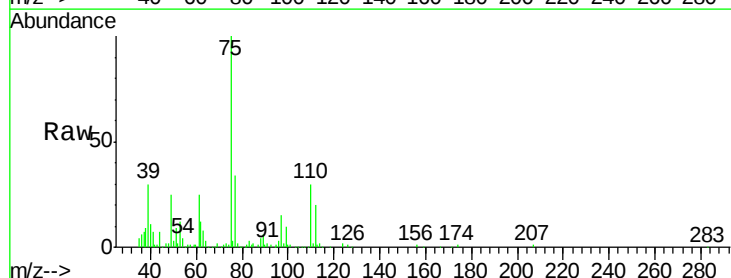
Acq: 18 Sep 2015 16:58

Tgt Ion: 75 Resp: 31245

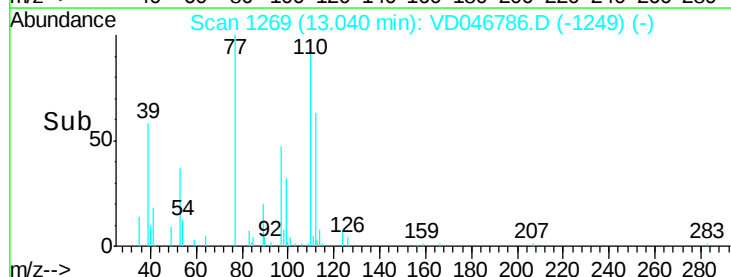
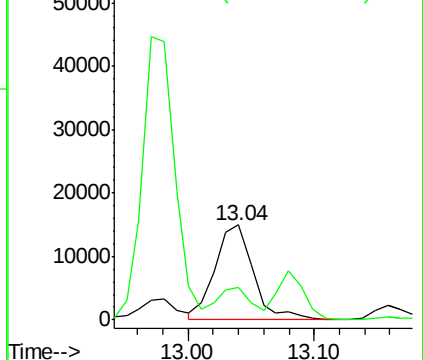
Ion Ratio Lower Upper

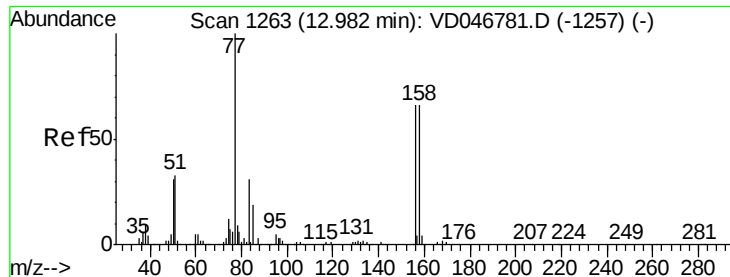
75 100

77 33.8 16.0 48.0



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





#77

Bromobenzene

Concen: 20.76 ug/l

RT: 12.98 min Scan# 1263

Delta R.T. -0.00 min

Lab File: VD046786.D

Acq: 18 Sep 2015 16:58

Instrument :

MSVOA_D

ClientSampleId :

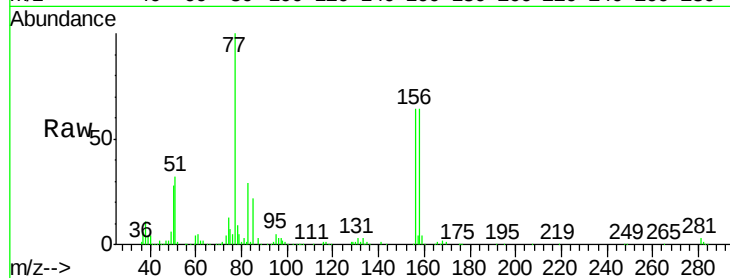
Tot Ion:156 Resp: 47096

Ion Ratio Lower Upper

156 100

77 156.6 70.3 210.8

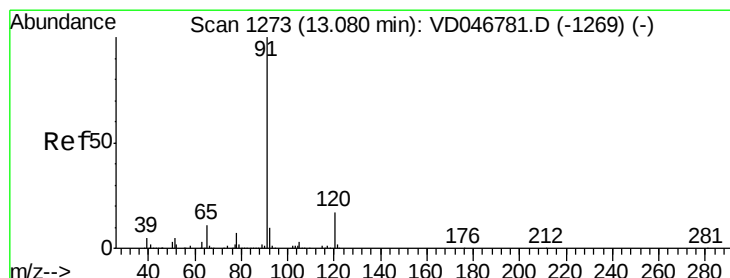
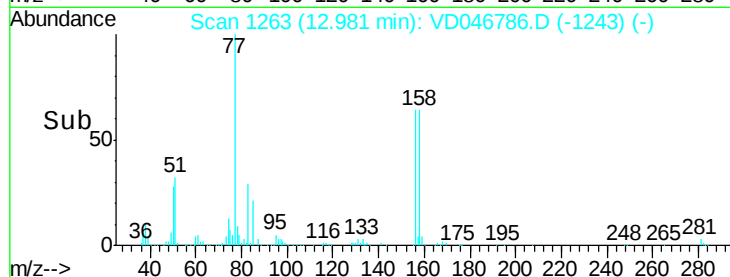
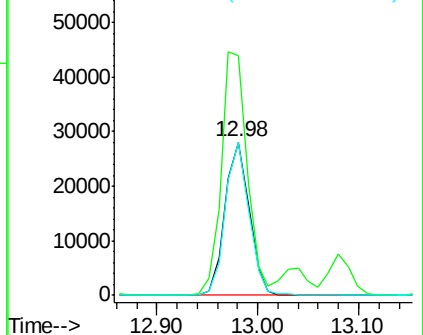
158 99.7 49.0 147.0



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 21.71 ug/l

RT: 13.08 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VD046786.D

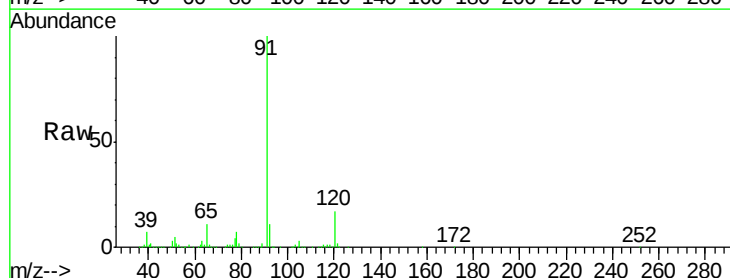
Acq: 18 Sep 2015 16:58

Tgt Ion: 91 Resp: 276637

Ion Ratio Lower Upper

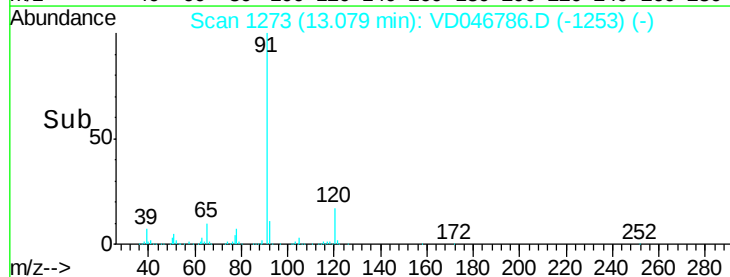
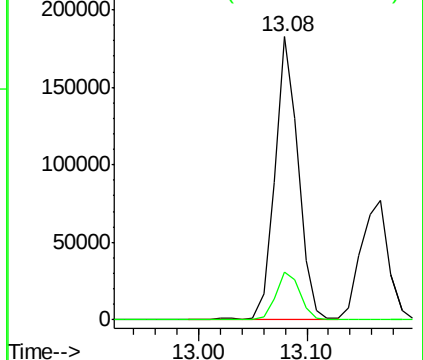
91 100

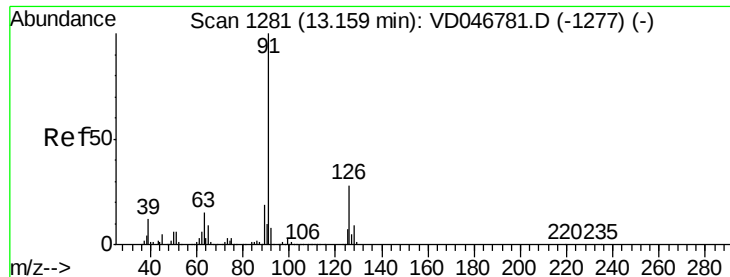
120 16.8 9.3 27.7



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 19.12 ug/l

RT: 13.17 min Scan# 1282

Delta R.T. 0.01 min

Lab File: VD046786.D

Acq: 18 Sep 2015 16:58

Instrument :

MSVOA_D

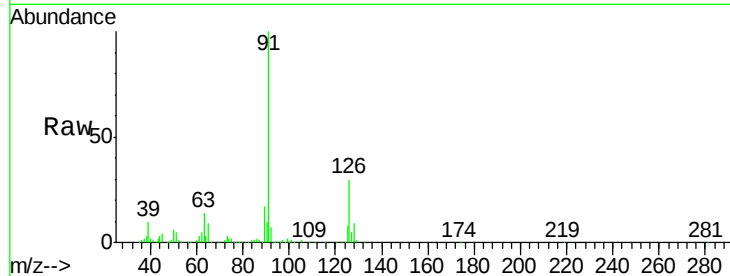
ClientSampleId :

Tot Ion: 91 Resp: 135224

Ion Ratio Lower Upper

91 100

126 29.8 14.1 42.4



Abundance Ion 91.00 (90.70 to 91.70): VD046786.D (-1277) (-)

Ion 125.95 (125.65 to 126.65): VD046786.D (-1277) (-)

150000

100000

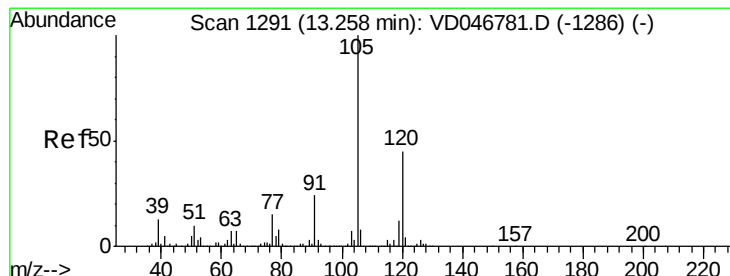
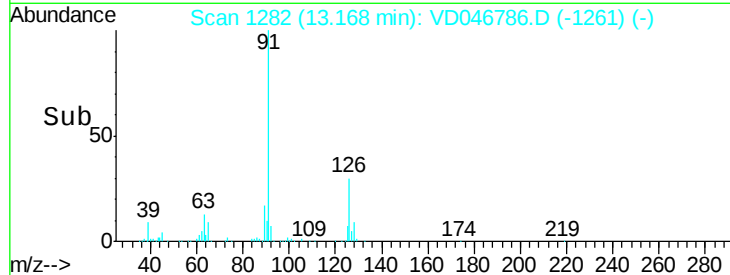
50000

0

13.10 13.15 13.20

13.17

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.29 ug/l

RT: 13.26 min Scan# 1291

Delta R.T. -0.00 min

Lab File: VD046786.D

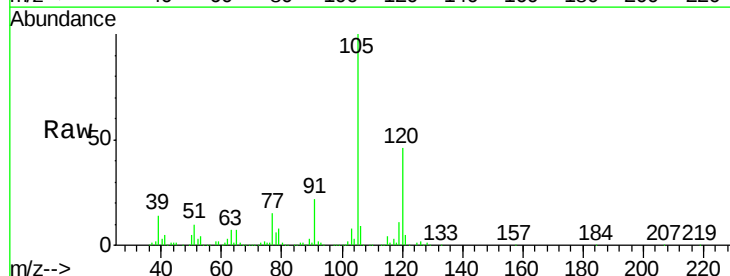
Acq: 18 Sep 2015 16:58

Tgt Ion: 105 Resp: 153030

Ion Ratio Lower Upper

105 100

120 45.8 22.3 66.8



Abundance Ion 105.05 (104.75 to 105.75): VD046786.D (-1271) (-)

Ion 120.05 (119.75 to 120.75): VD046786.D (-1271) (-)

100000

80000

60000

40000

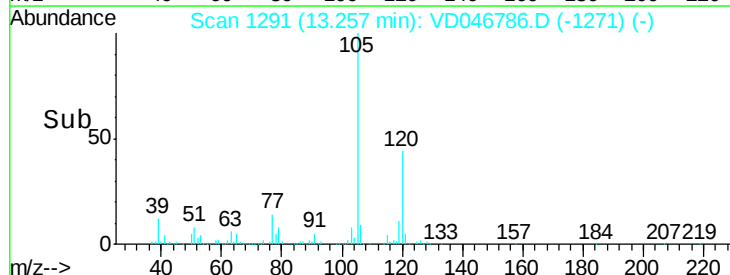
20000

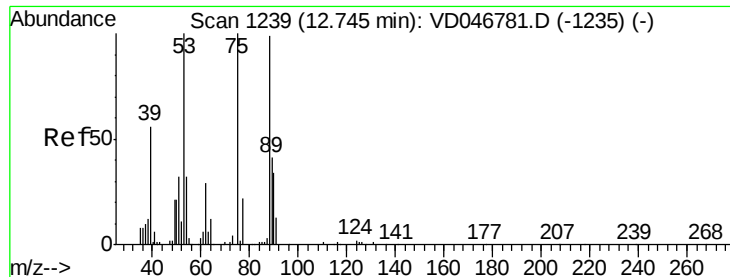
0

13.20 13.25 13.30

13.26

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 20.03 ug/l

RT: 12.74 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VD046786.D

Acq: 18 Sep 2015 16:58

Instrument :

MSVOA_D

ClientSampleId :

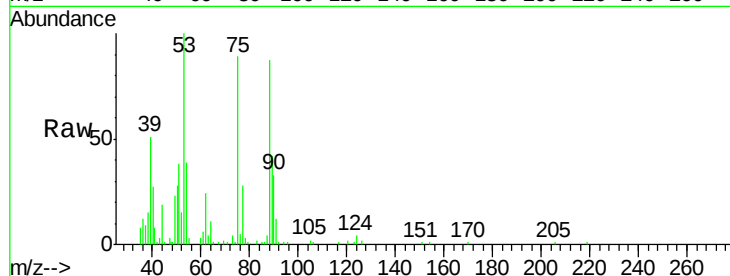
Tot Ion: 75 Resp: 7542

Ion	Ratio	Lower	Upper
75	100		
53	112.6	82.3	123.5
89	47.0	36.6	54.8

75 100

53 112.6 82.3 123.5

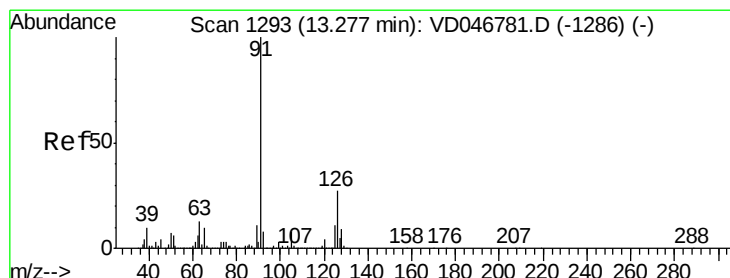
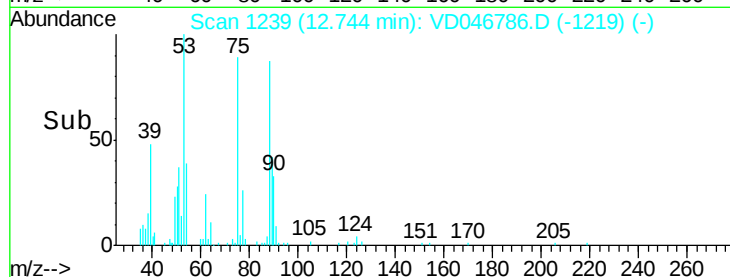
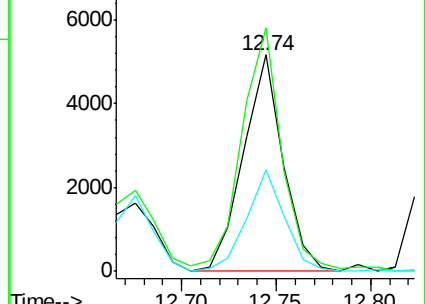
89 47.0 36.6 54.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 20.86 ug/l

RT: 13.28 min Scan# 1293

Delta R.T. -0.00 min

Lab File: VD046786.D

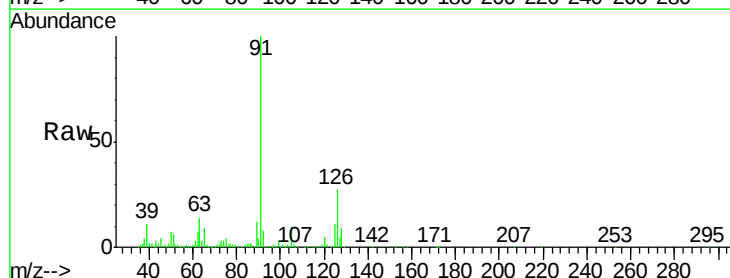
Acq: 18 Sep 2015 16:58

Tgt Ion: 91 Resp: 175584

Ion	Ratio	Lower	Upper
91	100		
126	27.3	14.1	42.4

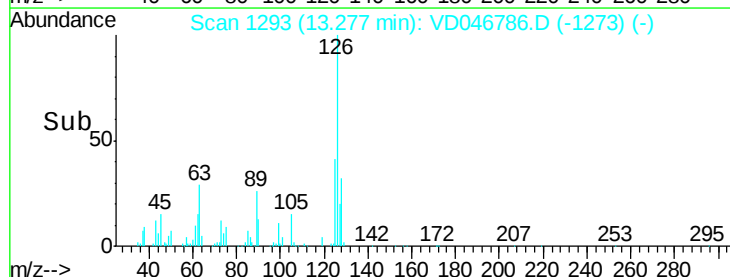
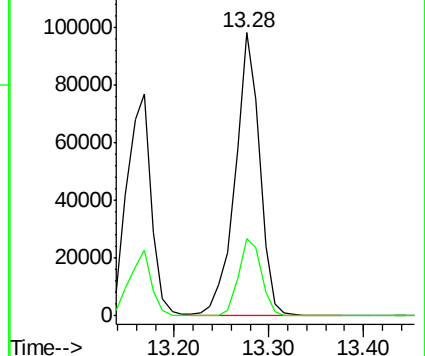
91 100

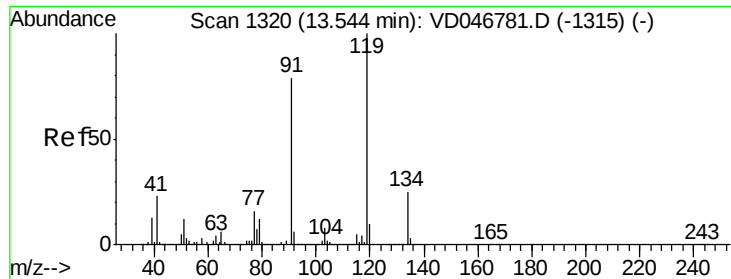
126 27.3 14.1 42.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

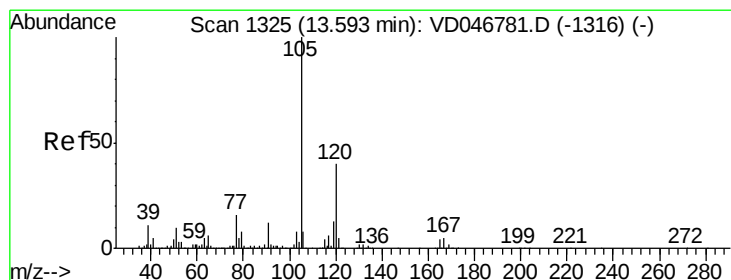
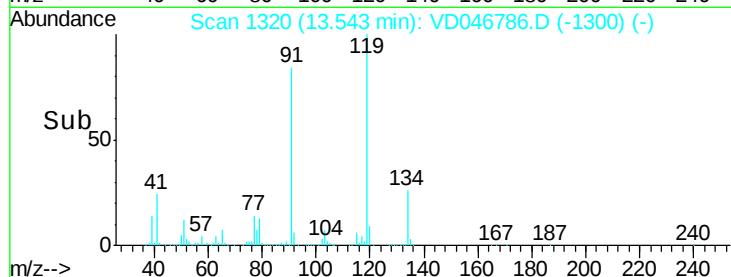
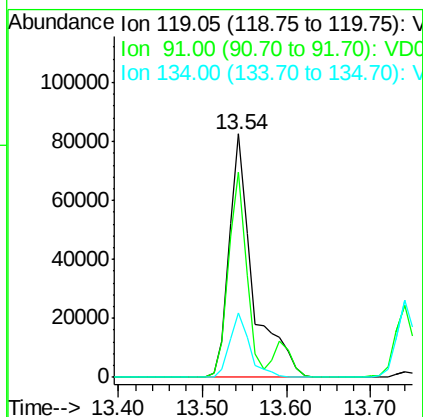
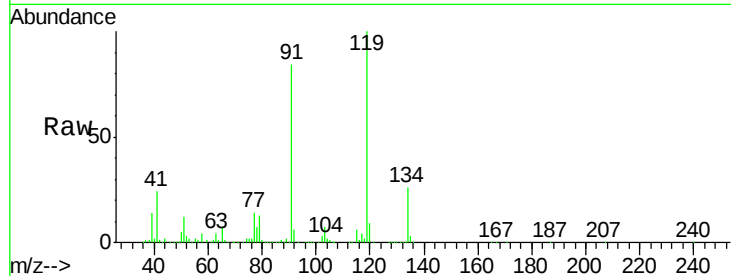




#83
 tert-Butylbenzene
 Concen: 25.03 ug/l
 RT: 13.54 min Scan# 1320
 Delta R.T. -0.00 min
 Lab File: VD046786.D
 Acq: 18 Sep 2015 16:58

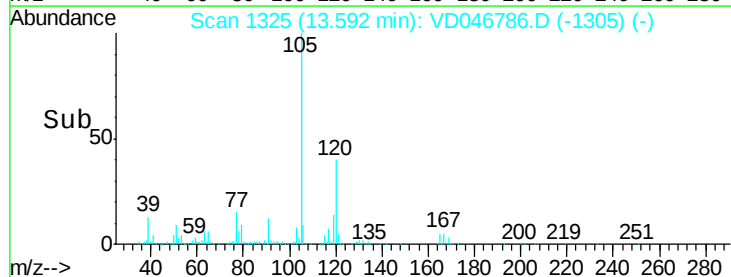
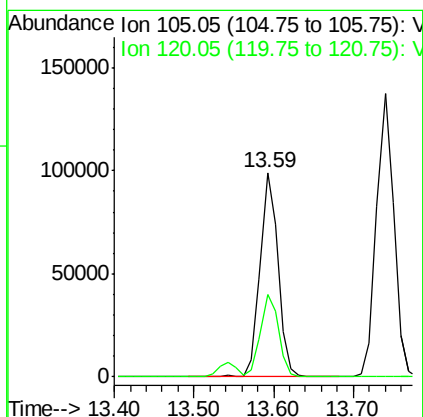
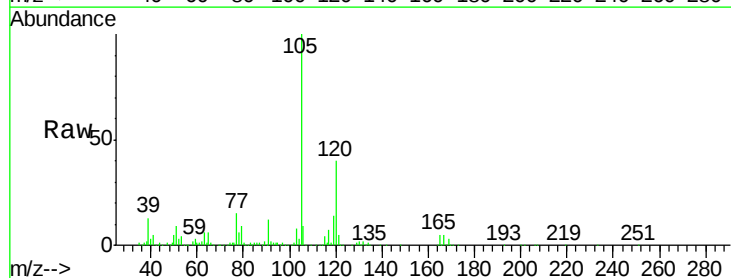
Instrument :
 MSVOA_D
 ClientSampleId :

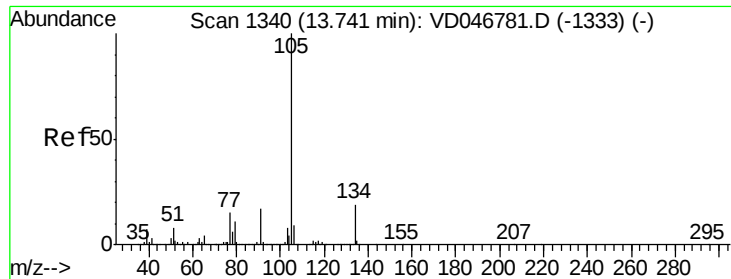
Tot Ion:119 Resp: 162263
 Ion Ratio Lower Upper
 119 100
 91 84.1 41.6 124.9
 134 26.4 12.4 37.4



#84
 1,2,4-Trimethylbenzene
 Concen: 21.19 ug/l
 RT: 13.59 min Scan# 1325
 Delta R.T. -0.00 min
 Lab File: VD046786.D
 Acq: 18 Sep 2015 16:58

Tgt Ion:105 Resp: 153353
 Ion Ratio Lower Upper
 105 100
 120 40.0 21.1 63.1





#85

sec-Butylbenzene

Concen: 21.55 ug/l

RT: 13.74 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VD046786.D

Acq: 18 Sep 2015 16:58

Instrument :

MSVOA_D

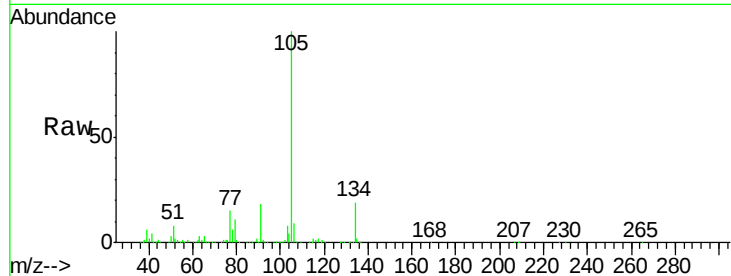
ClientSampled :

Tot Ion:105 Resp: 205341

Ion Ratio Lower Upper

105 100

134 19.2 10.1 30.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V

13.74

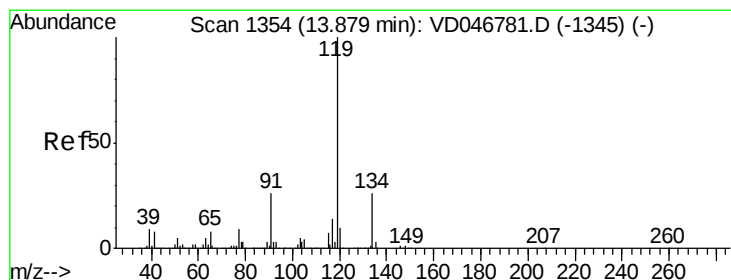
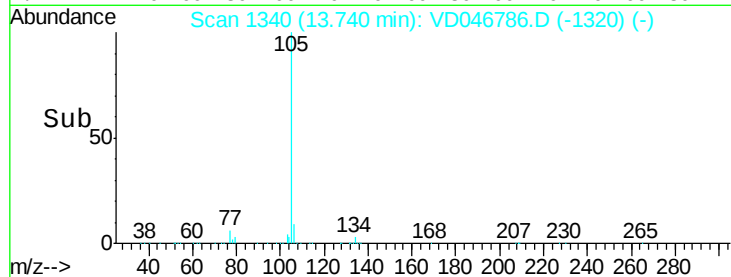
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 21.75 ug/l

RT: 13.88 min Scan# 1354

Delta R.T. -0.00 min

Lab File: VD046786.D

Acq: 18 Sep 2015 16:58

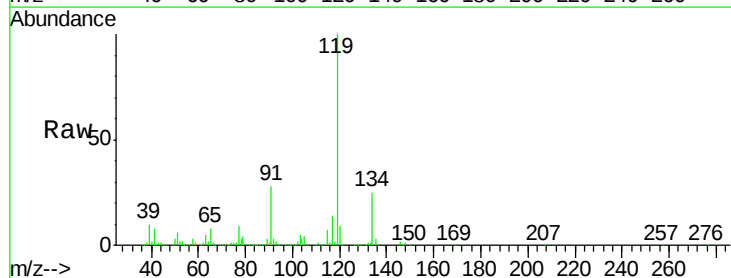
Tgt Ion:119 Resp: 162851

Ion Ratio Lower Upper

119 100

134 25.2 13.0 38.9

91 27.8 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

13.88

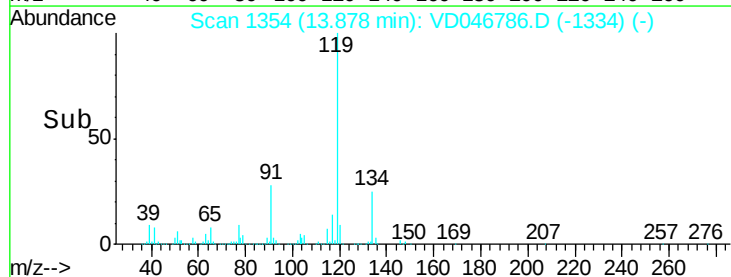
150000

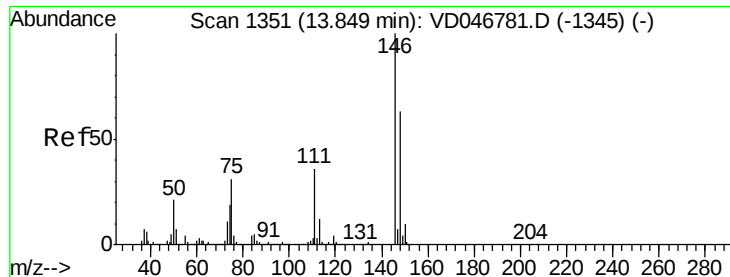
100000

50000

0

Time-->

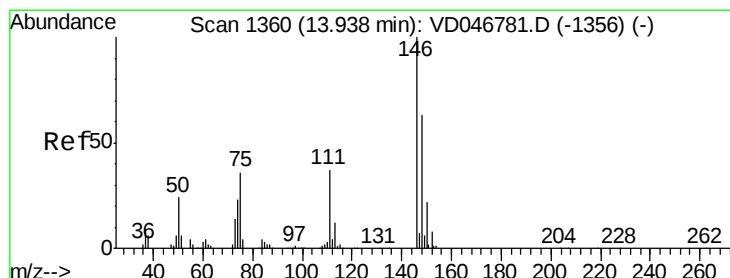
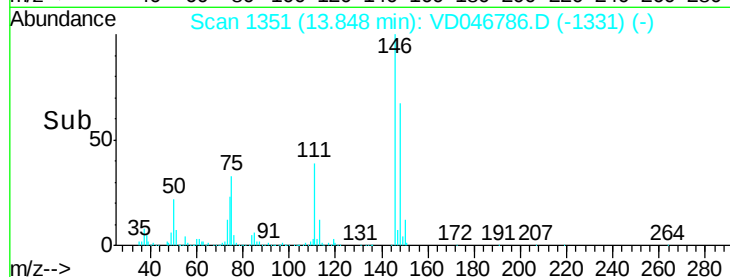
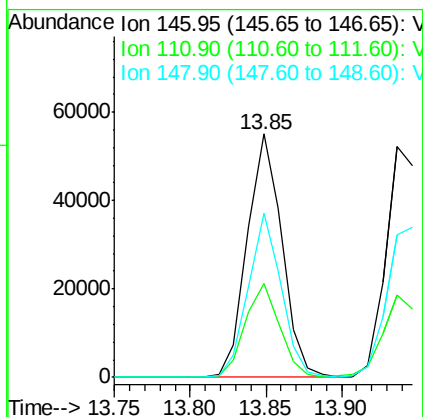
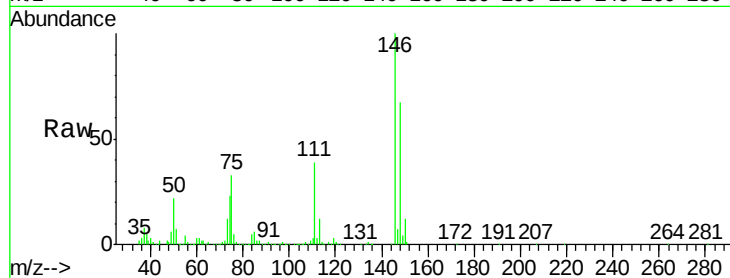




#87
 1,3-Dichlorobenzene
 Concen: 20.87 ug/l
 RT: 13.85 min Scan# 1351
 Delta R.T. -0.00 min
 Lab File: VD046786.D
 Acq: 18 Sep 2015 16:58

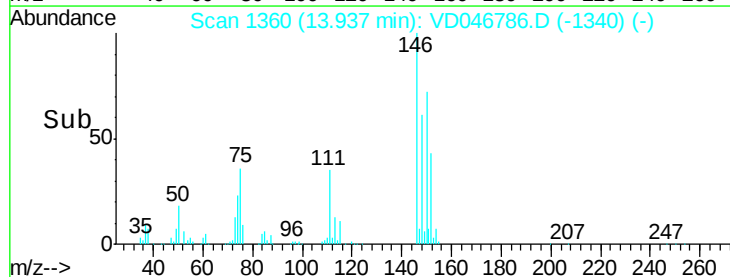
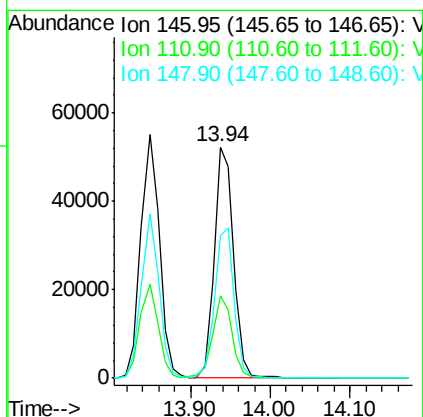
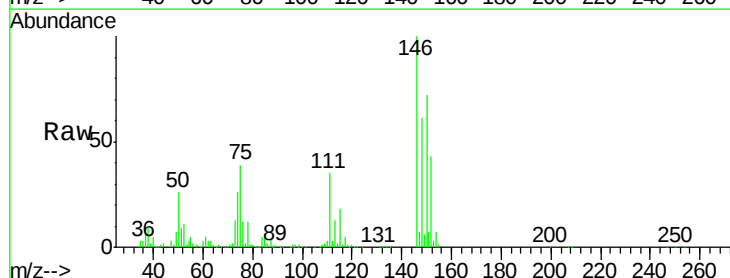
Instrument :
 MSVOA_D
 ClientSampleId :

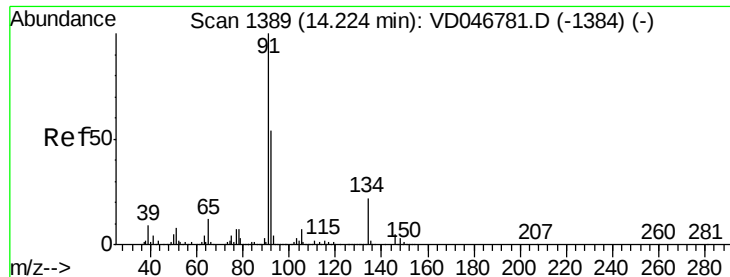
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	17.4	52.2
148	67.5	33.0	99.0



#88
 1,4-Dichlorobenzene
 Concen: 21.22 ug/l
 RT: 13.94 min Scan# 1360
 Delta R.T. -0.00 min
 Lab File: VD046786.D
 Acq: 18 Sep 2015 16:58

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.5	17.0	51.0
148	61.5	31.9	95.7





#89

n-Butylbenzene

Concen: 21.72 ug/l

RT: 14.22 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD046786.D

Acq: 18 Sep 2015 16:58

Instrument :

MSVOA_D

ClientSampleId :

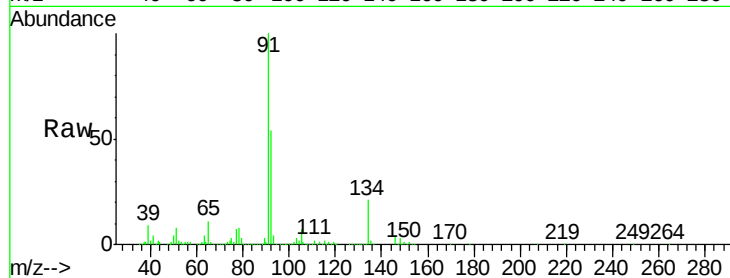
Tot Ion: 91 Resp: 183660

Ion Ratio Lower Upper

91 100

92 53.9 27.1 81.2

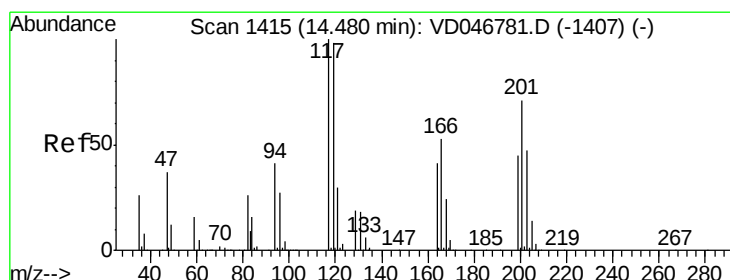
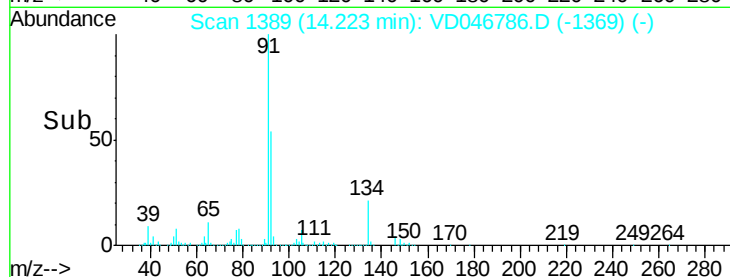
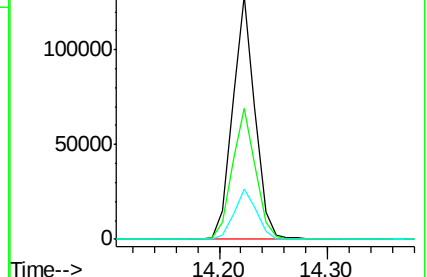
134 20.7 9.6 28.6



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): VDC



#90

Hexachloroethane

Concen: 21.15 ug/l

RT: 14.48 min Scan# 1415

Delta R.T. -0.00 min

Lab File: VD046786.D

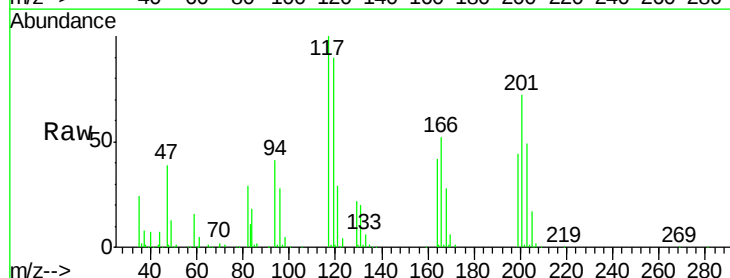
Acq: 18 Sep 2015 16:58

Tgt Ion: 117 Resp: 36718

Ion Ratio Lower Upper

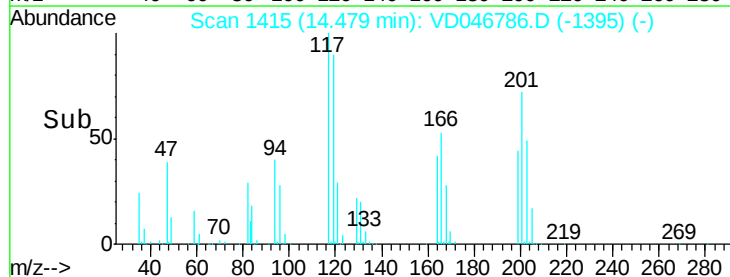
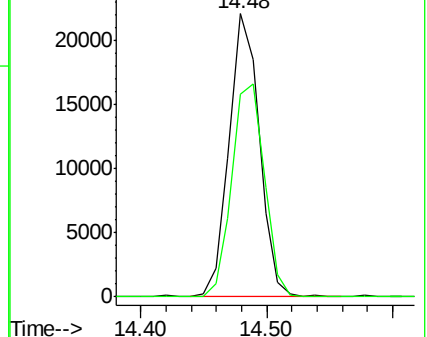
117 100

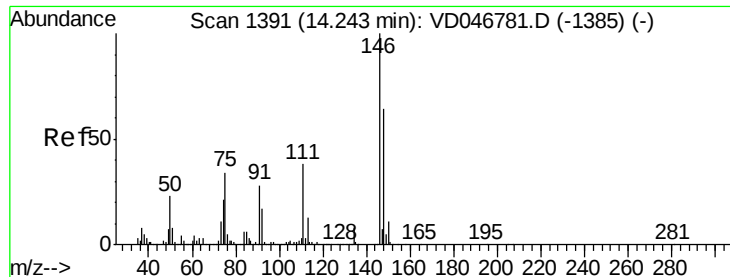
201 71.7 41.0 123.0



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

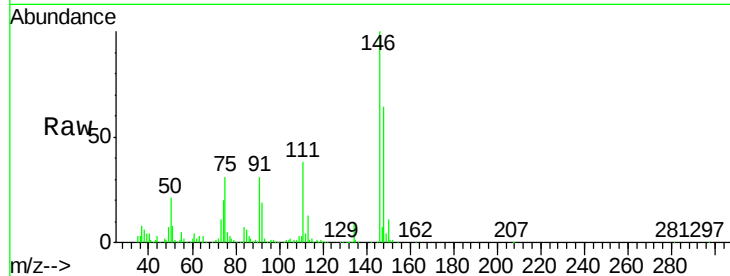




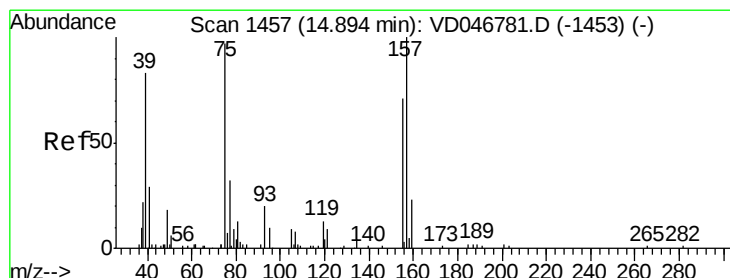
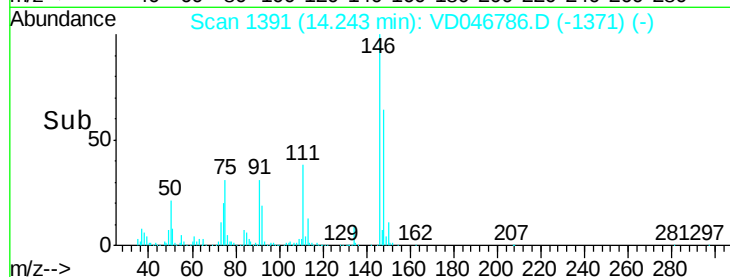
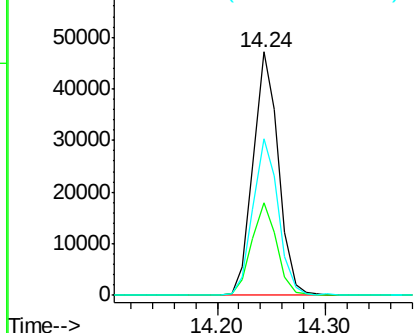
#91
 1,2-Dichlorobenzene
 Concen: 21.51 ug/l
 RT: 14.24 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VD046786.D
 Acq: 18 Sep 2015 16:58

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 76491
 Ion Ratio Lower Upper
 146 100
 111 37.9 18.2 54.6
 148 64.3 31.1 93.3

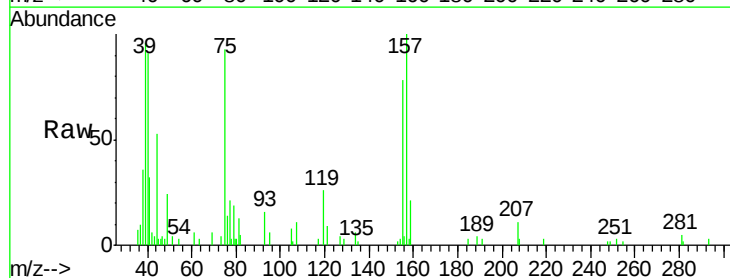


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

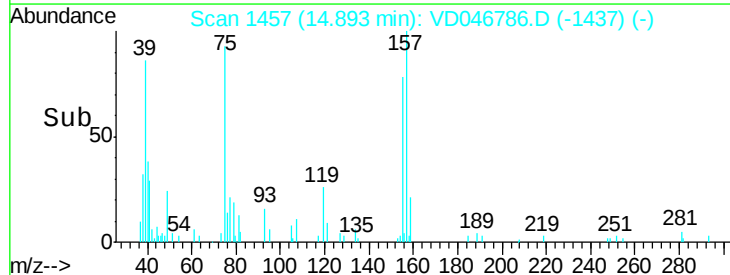
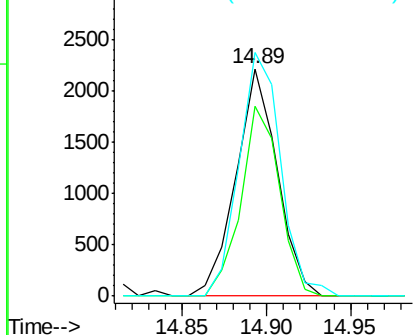


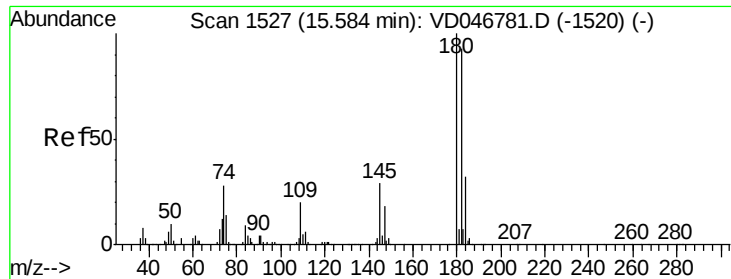
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.19 ug/l
 RT: 14.89 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VD046786.D
 Acq: 18 Sep 2015 16:58

Tgt Ion: 75 Resp: 3778
 Ion Ratio Lower Upper
 75 100
 155 83.7 41.4 124.4
 157 107.0 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

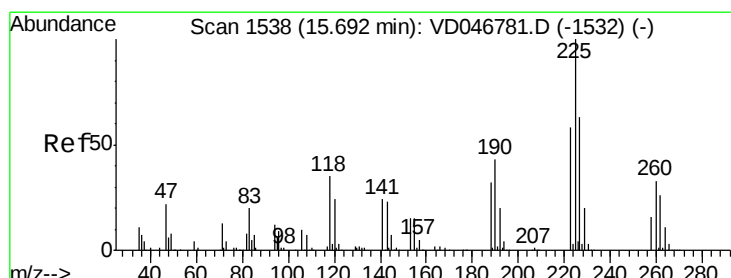
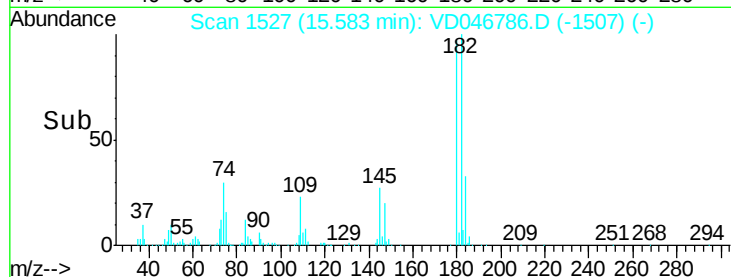
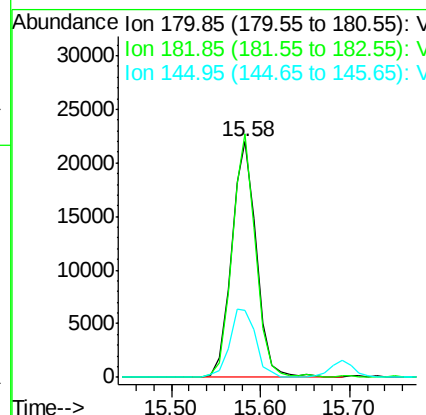
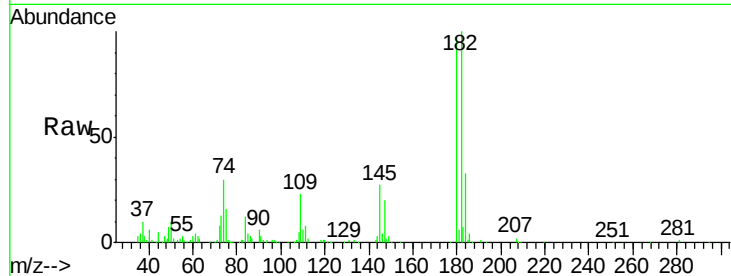




#93
1,2,4-Trichlorobenzene
Concen: 21.09 ug/l
RT: 15.58 min Scan# 1527
Delta R.T. -0.00 min
Lab File: VD046786.D
Acq: 18 Sep 2015 16:58

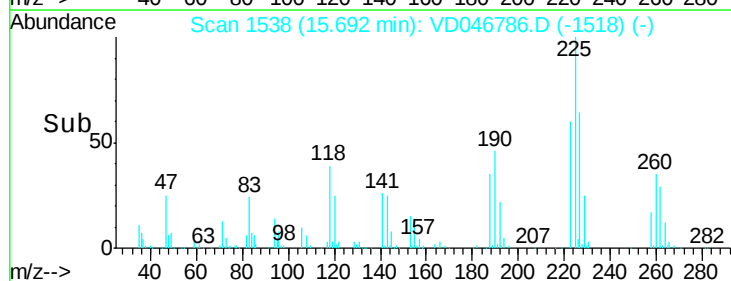
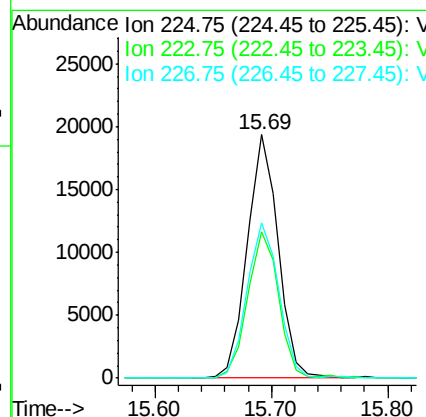
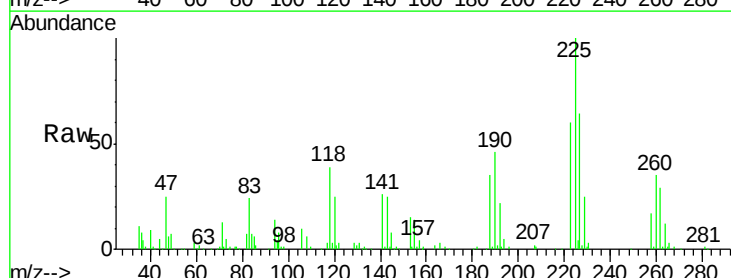
Instrument :
MSVOA_D
ClientSampleId :

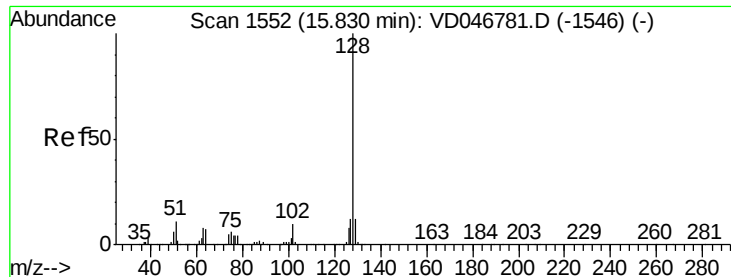
Tot Ion	Ratio	Lower	Upper
180	100		
182	103.3	47.5	142.5
145	28.3	14.6	44.0



#94
Hexachlorobutadiene
Concen: 21.05 ug/l
RT: 15.69 min Scan# 1538
Delta R.T. -0.00 min
Lab File: VD046786.D
Acq: 18 Sep 2015 16:58

Tgt Ion	Ratio	Lower	Upper
225	100		
223	59.9	30.4	91.2
227	63.6	31.3	93.9





#95

Naphthalene

Concen: 20.16 ug/l

RT: 15.83 min Scan# 1552

Delta R.T. -0.00 min

Lab File: VD046786.D

Acq: 18 Sep 2015 16:58

Instrument :

MSVOA_D

ClientSampleId :

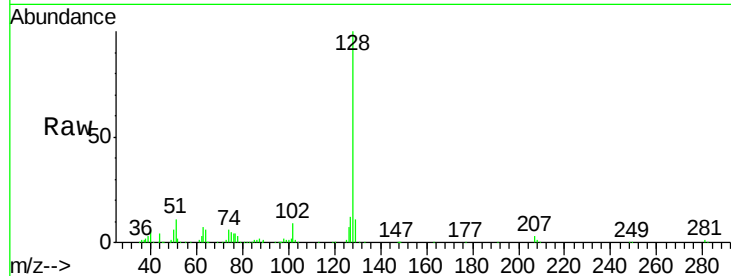
Tot Ion:128 Resp: 50610

Ion Ratio Lower Upper

128 100

127 11.7 9.8 14.6

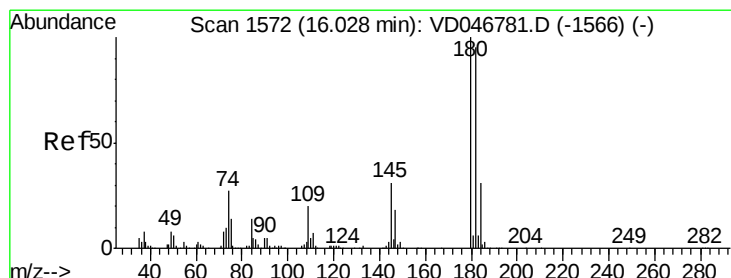
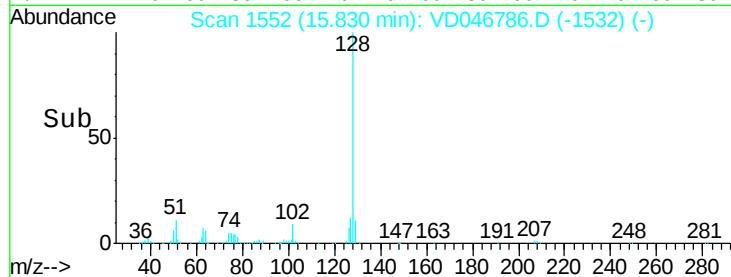
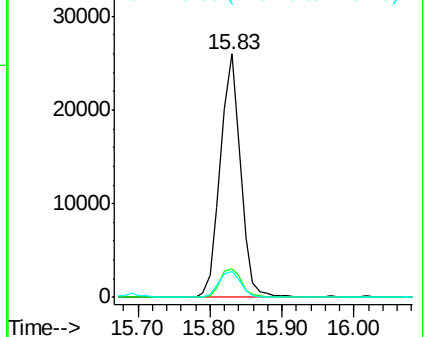
129 10.9 8.6 12.8



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: 21.28 ug/l

RT: 16.03 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VD046786.D

Acq: 18 Sep 2015 16:58

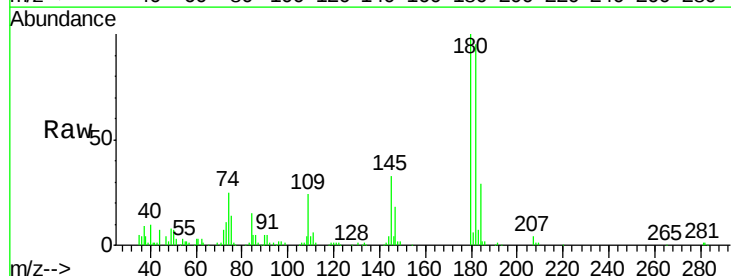
Tgt Ion:180 Resp: 36410

Ion Ratio Lower Upper

180 100

182 94.5 47.4 142.3

145 32.8 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

