

Data Path : W:\HPCHEM1\MSVOA D\DATA\VD092115\
 Data File : VD046800.D
 Acq On : 21 Sep 2015 12:08
 Operator : FY/SY
 Sample : VD0921SBS01
 Misc : 5.00gm/5mL/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0921SBS01

Quant Time: Sep 22 01:01:27 2015
 Quant Method : W:\HPCHEM1\MSVOA_D\METHOD\82D091815S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 18 15:47:18 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.29	168	189060	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.42	114	233349	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.56	117	223029	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.91	152	119246	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.70	65	105624	53.73	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	107.46%	
35) Dibromofluoromethane	6.19	113	103902	56.91	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	113.82%	
50) Toluene-d8	9.60	98	345917	60.06	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	120.12%	
62) 4-Bromofluorobenzene	12.84	95	135219	58.31	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	116.62%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.41	85	44796	23.66	ug/l	98
3) Chlorodifluoromethane	1.43	51	34572	20.89	ug/l	# 91
4) Chloromethane	1.57	50	24247	21.76	ug/l	100
5) Vinyl Chloride	1.67	62	22612	21.60	ug/l	98
6) Bromomethane	1.96	94	22822	22.96	ug/l	100
7) Chloroethane	2.07	64	14662	22.38	ug/l	100
8) Trichlorofluoromethane	2.32	101	69979	22.60	ug/l	97
9) Diethyl Ether	2.62	74	10472	19.08	ug/l	88
10) 1,1,2-Trichlorotrifluoroet	2.88	101	43064	22.23	ug/l	99
11) Methyl Iodide	3.04	142	37617	17.78	ug/l	98
12) Tert butyl alcohol	3.64	59	8078	86.88	ug/l	# 74
13) 1,1-Dichloroethene	2.87	96	32550	21.49	ug/l	97
14) Acrolein	2.77	56	10305	102.62	ug/l	89
15) Allyl chloride	3.31	41	64919	21.11	ug/l	89
16) Acrylonitrile	3.83	53	22513	98.09	ug/l	93
17) Acetone	2.93	43	34508	103.90	ug/l	95
18) Carbon Disulfide	3.12	76	121013	21.33	ug/l	95
19) Methyl Acetate	3.32	43	39006	20.27	ug/l	95
20) Methyl tert-butyl Ether	3.89	73	50023	21.08	ug/l	92
21) Methylene Chloride	3.49	84	36542	20.26	ug/l	91
22) trans-1,2-Dichloroethene	3.88	96	36974	21.65	ug/l	94
23) Diisopropyl ether	4.64	45	109073	21.37	ug/l	# 95
24) Vinyl Acetate	4.59	43	146549	130.10	ug/l	100
25) 1,1-Dichloroethane	4.55	63	67022	21.31	ug/l	99
26) 2-Butanone	5.43	43	38063	101.97	ug/l	96
27) 2,2-Dichloropropane	5.41	77	72149	22.33	ug/l	96
28) cis-1,2-Dichloroethene	5.41	96	37946	21.34	ug/l	94
29) Bromochloromethane	5.78	49	25827	20.84	ug/l	94
30) Chloroform	5.96	83	83307	21.84	ug/l	99
31) Cyclohexane	6.26	56	62140	21.06	ug/l	93
32) 1,1,1-Trichloroethane	6.17	97	76587	22.55	ug/l	97
36) 1,1-Dichloropropene	6.41	75	62454	22.90	ug/l	96
37) Ethyl Acetate	5.53	43	17576	20.06	ug/l	98
38) Carbon Tetrachloride	6.39	117	63794	22.51	ug/l	97

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Instrument :
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Quant Time: Sep 22 01:01:27 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)
39) Methylcyclohexane	8.08	83	62468	22.61	ug/l	93
40) Benzene	6.71	78	151080	21.70	ug/l	100
41) Methacrylonitrile	5.75	41	9918	20.19	ug/l #	94
42) 1,2-Dichloroethane	6.81	62	48909	22.62	ug/l	98
43) Isopropyl Acetate	8.40	43	23198	20.09	ug/l #	92
44) Trichloroethene	7.74	130	37306	21.41	ug/l	94
45) 1,2-Dichloropropane	8.13	63	37351	21.66	ug/l	95
46) Dibromomethane	8.25	93	20686	21.12	ug/l	92
47) Bromodichloromethane	8.55	83	56984	22.17	ug/l #	96
48) Methyl methacrylate	8.07	41	41326	23.41	ug/l	89
49) 1,4-Dioxane	8.28	88	2841	435.03	ug/l #	84
51) 4-Methyl-2-Pentanone	9.48	43	87388	104.74	ug/l	92
52) Toluene	9.71	92	96486	22.47	ug/l	96
53) t-1,3-Dichloropropene	10.11	75	40653	21.42	ug/l	94
54) cis-1,3-Dichloropropene	9.22	75	53263	21.79	ug/l	97
55) 1,1,2-Trichloroethane	10.39	97	23919	21.51	ug/l	95
56) Ethyl methacrylate	10.23	69	20505	20.27	ug/l	95
57) 1,3-Dichloropropane	10.60	76	45687	22.10	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.02	63	53017	100.59	ug/l	95
59) 2-Hexanone	10.70	43	62985	104.49	ug/l	93
60) Dibromochloromethane	10.87	129	34644	22.70	ug/l	97
61) 1,2-Dibromoethane	11.01	107	23202	21.14	ug/l	94
64) Tetrachloroethene	10.46	164	40412	22.44	ug/l	90
65) Chlorobenzene	11.59	112	102371	21.81	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.71	131	37652	21.84	ug/l	96
67) Ethyl Benzene	11.72	91	209396	22.20	ug/l	100
68) m/p-Xylenes	11.87	106	136623	45.93	ug/l	91
69) o-Xylene	12.28	106	61432	22.94	ug/l	99
70) Styrene	12.30	104	104772	22.57	ug/l	98
71) Bromoform	12.49	173	18745	20.41	ug/l	92
73) Isopropylbenzene	12.66	105	187129	22.26	ug/l	94
74) N-amyl acetate	12.50	43	34426	19.46	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.98	83	27636	20.37	ug/l	94
76) 1,2,3-Trichloropropane	13.02	75	30479	21.00	ug/l	89
77) Bromobenzene	12.96	156	45645	21.59	ug/l	82
78) n-propylbenzene	13.07	91	274303	23.11	ug/l	96
79) 2-Chlorotoluene	13.15	91	150683	22.86	ug/l	99
80) 1,3,5-Trimethylbenzene	13.24	105	151209	22.57	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.74	75	7214	20.46	ug/l	96
82) 4-Chlorotoluene	13.27	91	175187	22.33	ug/l	99
83) tert-Butylbenzene	13.54	119	161543	26.75	ug/l	94
84) 1,2,4-Trimethylbenzene	13.59	105	150689	22.35	ug/l	98
85) sec-Butylbenzene	13.73	105	207091	23.33	ug/l	95
86) p-Isopropyltoluene	13.86	119	161027	23.08	ug/l	99
87) 1,3-Dichlorobenzene	13.84	146	87629	22.22	ug/l	98
88) 1,4-Dichlorobenzene	13.93	146	86201	21.98	ug/l	97
89) n-Butylbenzene	14.22	91	185974	23.61	ug/l	98
90) Hexachloroethane	14.47	117	35889	22.19	ug/l	100
91) 1,2-Dichlorobenzene	14.24	146	72093	21.76	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	14.89	75	3606	20.68	ug/l	83

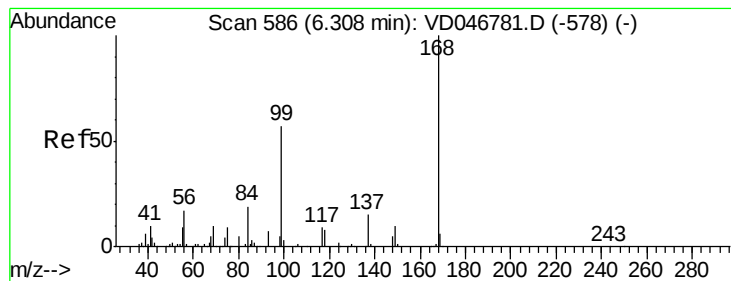
Data Path : W:\HPCHEM1\MSVOA D\DATA\VD092115\
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Quant Title : SW846 8260
QLast Update : Fri Sep 18 15:47:18 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.57	180	41426	21.72	ug/l	98
94) Hexachlorobutadiene	15.69	225	36172	23.03	ug/l	97
95) Naphthalene	15.81	128	46233	19.82	ug/l	99
96) 1,2,3-Trichlorobenzene	16.01	180	35927	22.54	ug/l	93

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.29 min Scan# 585

Delta R.T. -0.02 min

Lab File: VD046800.D

Acq: 21 Sep 2015 12:08

Instrument :

MSVOA_D

ClientSampleId :

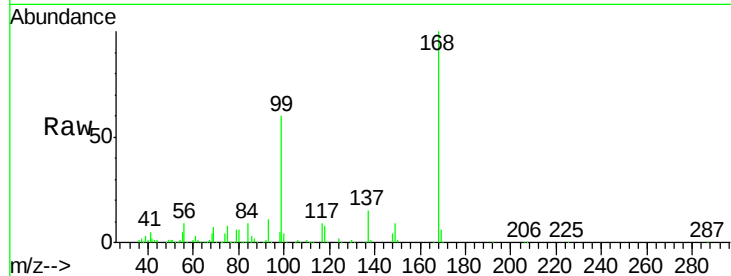
VD0921SBS01

Tot Ion:168 Resp: 189060

Ion Ratio Lower Upper

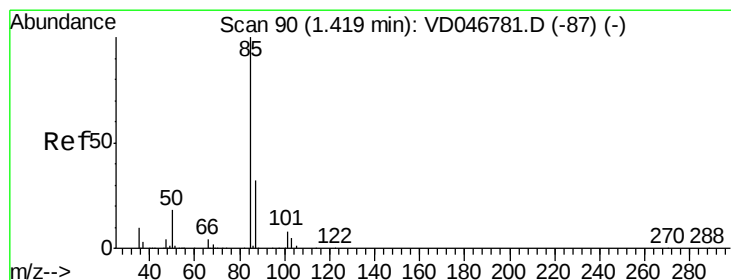
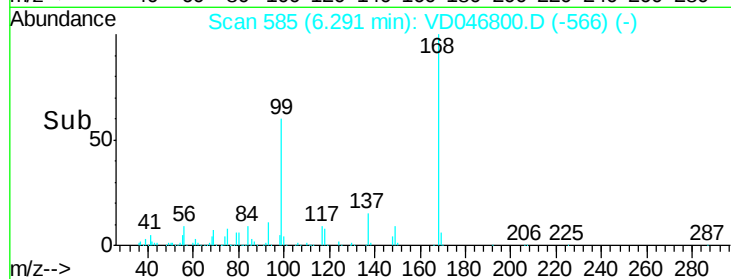
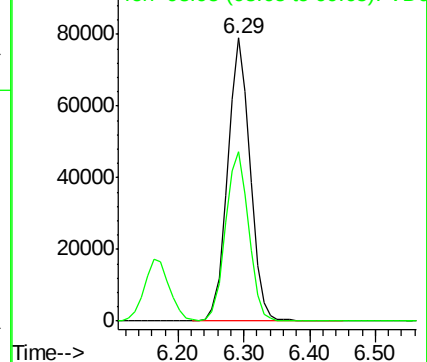
168 100

99 60.1 42.4 63.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 23.66 ug/l

RT: 1.41 min Scan# 90

Delta R.T. -0.01 min

Lab File: VD046800.D

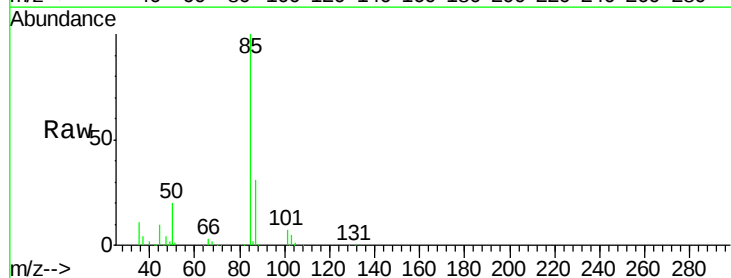
Acq: 21 Sep 2015 12:08

Tgt Ion: 85 Resp: 44796

Ion Ratio Lower Upper

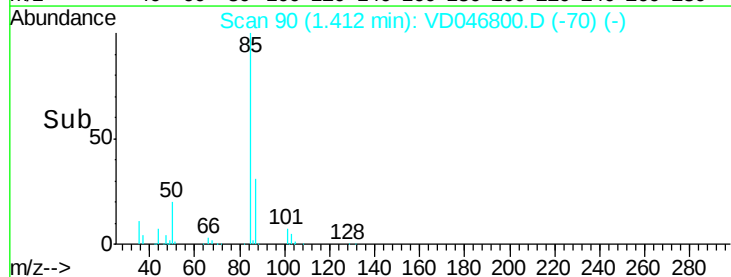
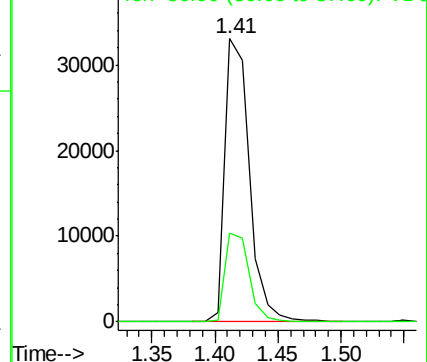
85 100

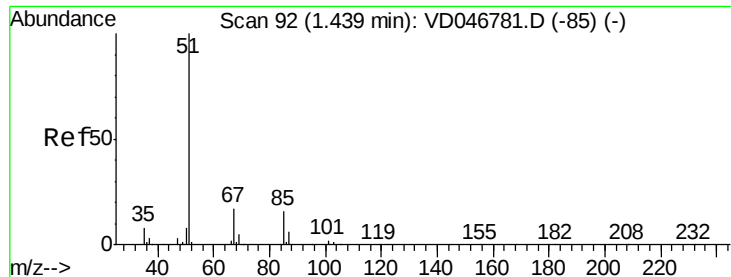
87 31.2 16.2 48.5



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chlorodifluoromethane

Concen: 20.89 ug/l

RT: 1.43 min Scan# 92

Delta R.T. -0.01 min

Lab File: VD046800.D

Acq: 21 Sep 2015 12:08

Instrument :

MSVOA_D

ClientSampleId :

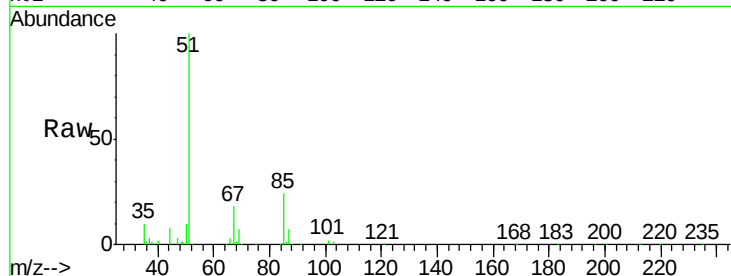
VD0921SBS01

Tot Ion: 51 Resp: 34572

Ion Ratio Lower Upper

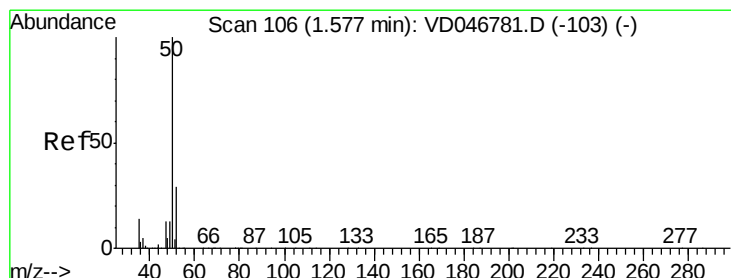
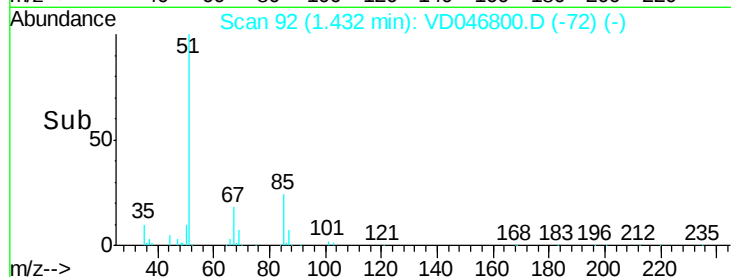
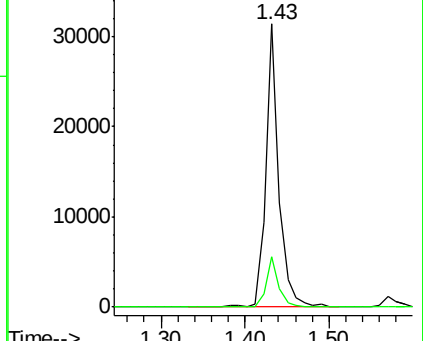
51 100

67 17.1 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: 21.76 ug/l

RT: 1.57 min Scan# 106

Delta R.T. -0.01 min

Lab File: VD046800.D

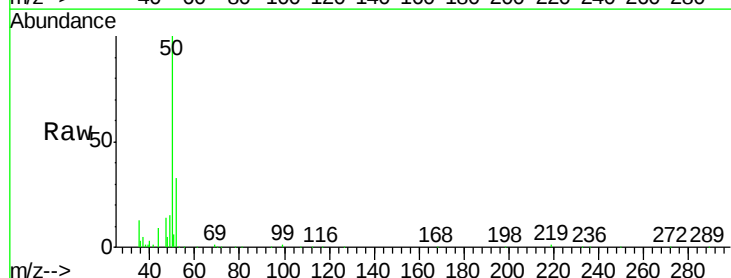
Acq: 21 Sep 2015 12:08

Tgt Ion: 50 Resp: 24247

Ion Ratio Lower Upper

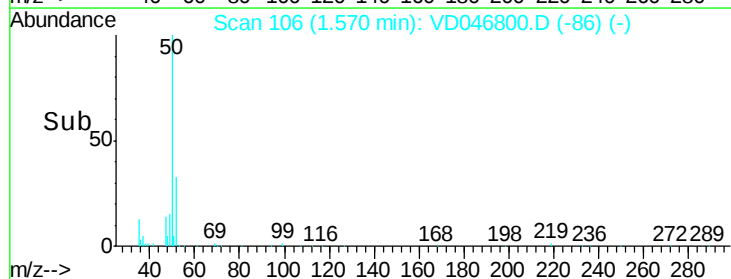
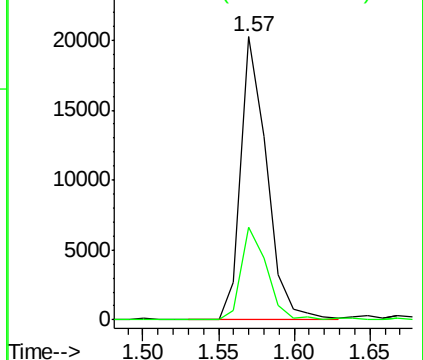
50 100

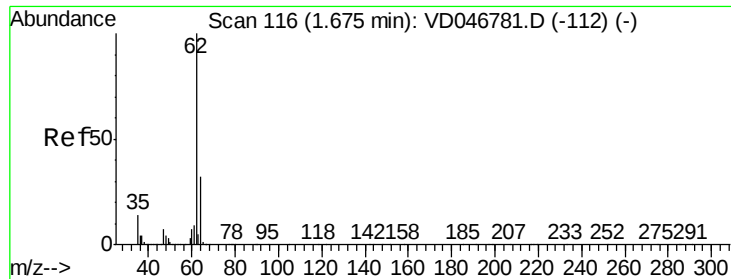
52 32.5 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC





#5

Vinyl Chloride

Concen: 21.60 ug/l

RT: 1.67 min Scan# 116

Delta R.T. -0.01 min

Lab File: VD046800.D

Acq: 21 Sep 2015 12:08

Instrument :

MSVOA_D

ClientSampleId :

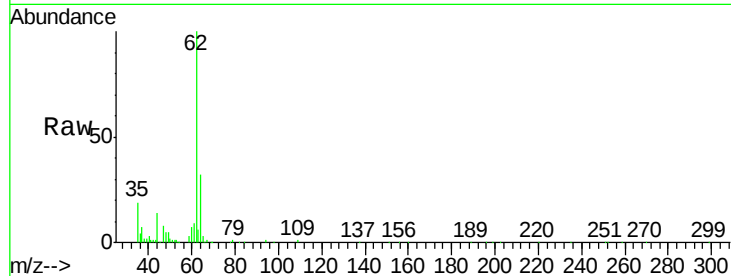
VD0921SBS01

Tot Ion: 62 Resp: 22612

Ion Ratio Lower Upper

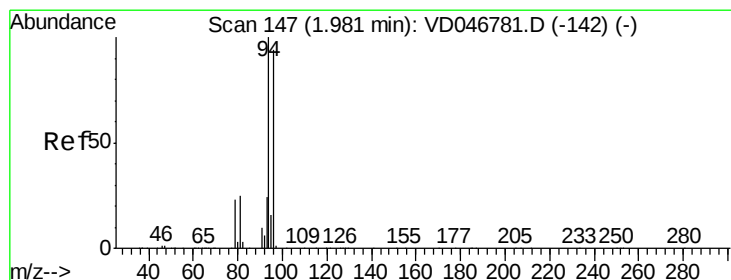
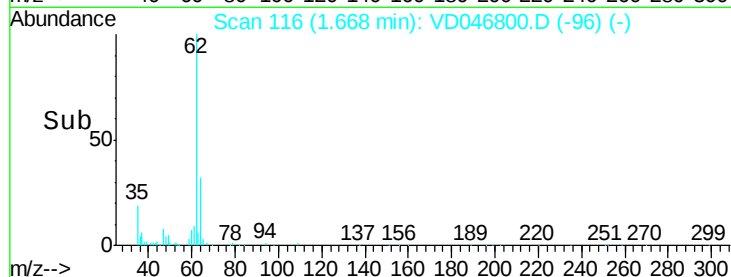
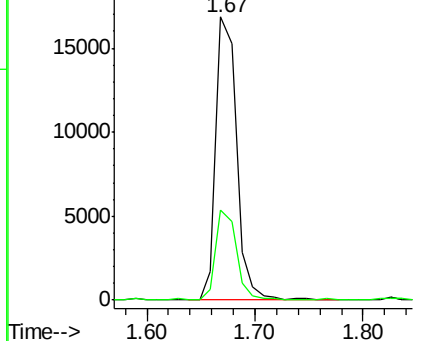
62 100

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: 22.96 ug/l

RT: 1.96 min Scan# 146

Delta R.T. -0.02 min

Lab File: VD046800.D

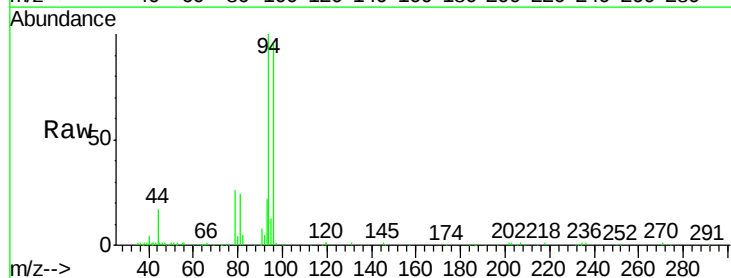
Acq: 21 Sep 2015 12:08

Tgt Ion: 94 Resp: 22822

Ion Ratio Lower Upper

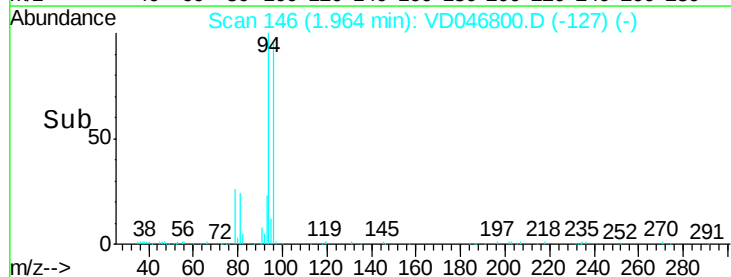
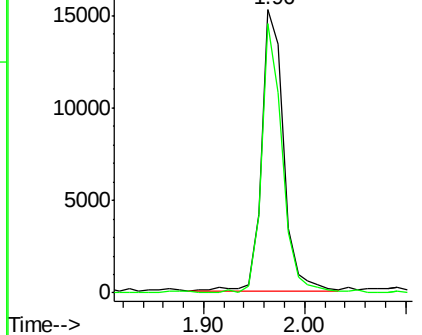
94 100

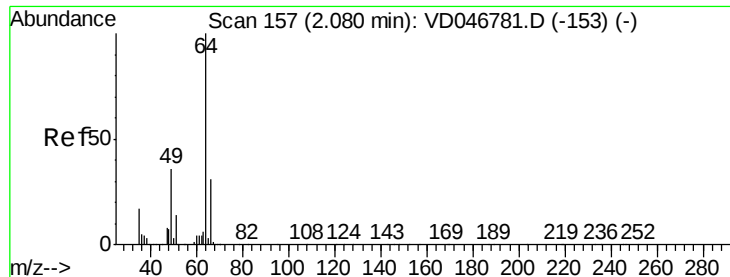
96 95.1 76.0 114.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC





#7

Chloroethane

Concen: 22.38 ug/l

RT: 2.07 min Scan# 157

Delta R.T. -0.01 min

Lab File: VD046800.D

Acq: 21 Sep 2015 12:08

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ClientSampleId :

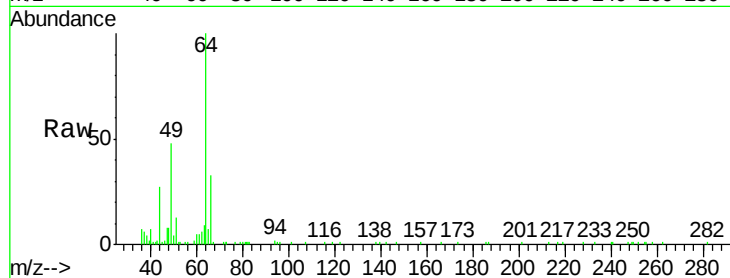
VD0921SBS01

Tot Ion: 64 Resp: 14662

Ion Ratio Lower Upper

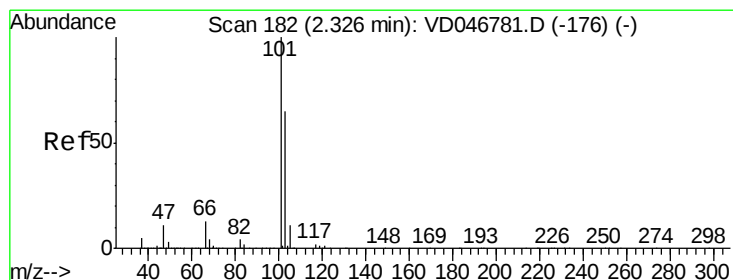
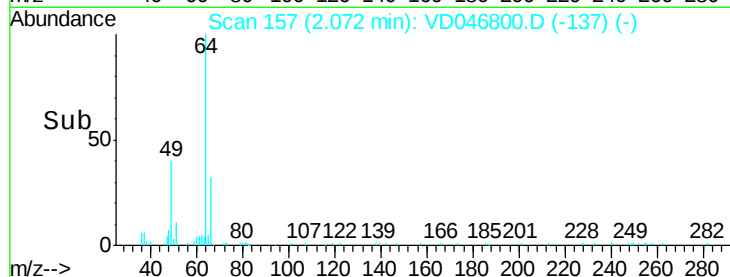
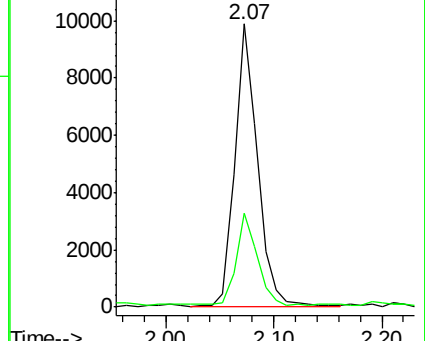
64 100

66 33.0 26.6 39.8



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



#8

Trichlorofluoromethane

Concen: 22.60 ug/l

RT: 2.32 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD046800.D

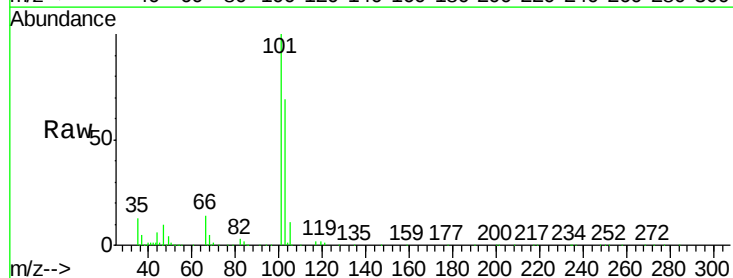
Acq: 21 Sep 2015 12:08

Tgt Ion: 101 Resp: 69979

Ion Ratio Lower Upper

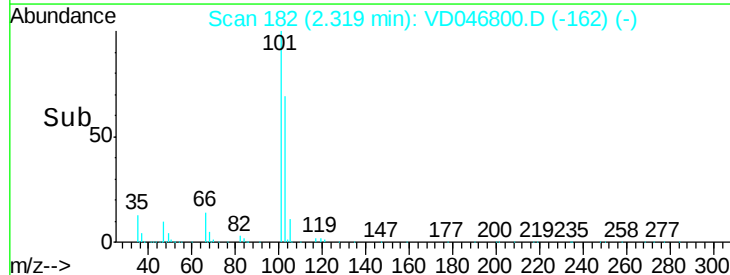
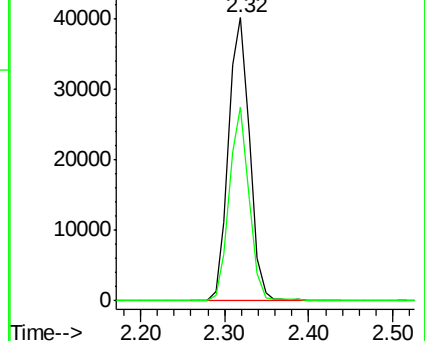
101 100

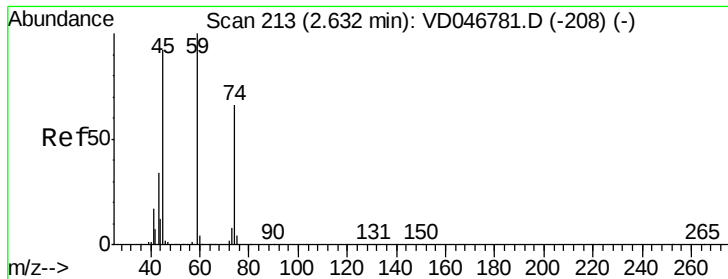
103 68.5 53.2 79.8



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V





#9

Diethyl Ether

Concen: 19.08 ug/l

RT: 2.62 min Scan# 213

Delta R.T. -0.01 min

Lab File: VD046800.D

Acq: 21 Sep 2015 12:08

Instrument :

MSVOA_D

ClientSampleId :

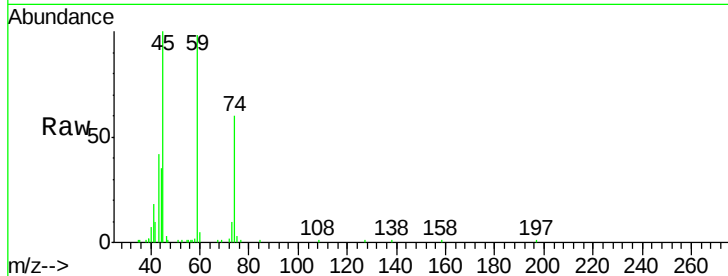
VD0921SBS01

Tot Ion: 74 Resp: 10472

Ion Ratio Lower Upper

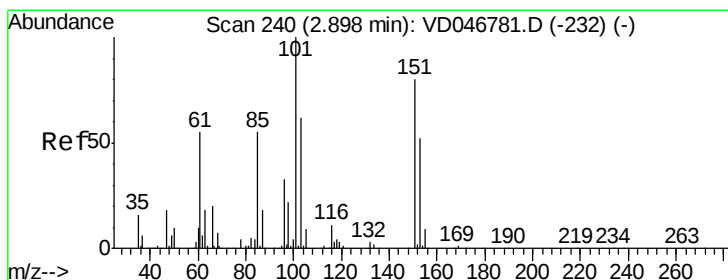
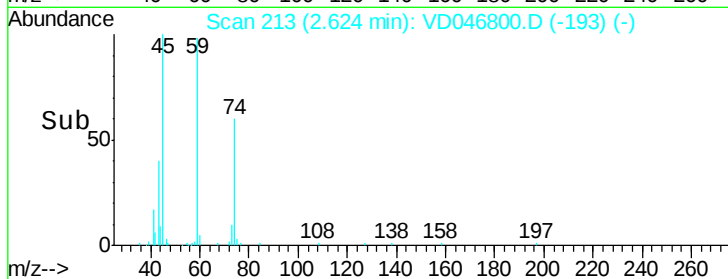
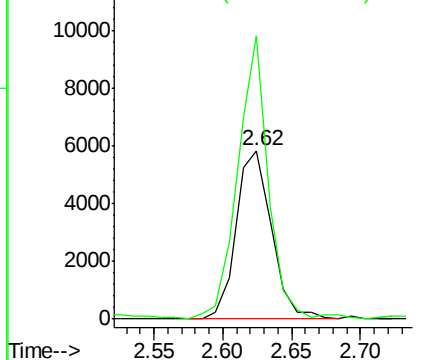
74 100

45 168.0 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: 22.23 ug/l

RT: 2.88 min Scan# 239

Delta R.T. -0.02 min

Lab File: VD046800.D

Acq: 21 Sep 2015 12:08

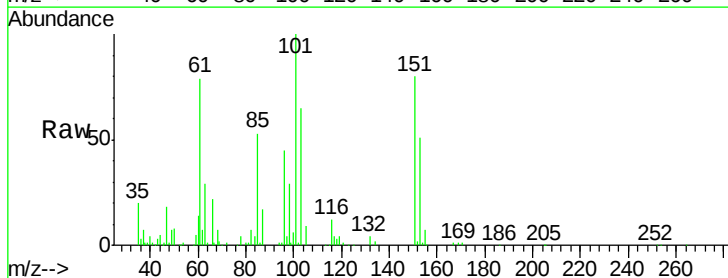
Tgt Ion: 101 Resp: 43064

Ion Ratio Lower Upper

101 100

85 52.9 42.0 63.0

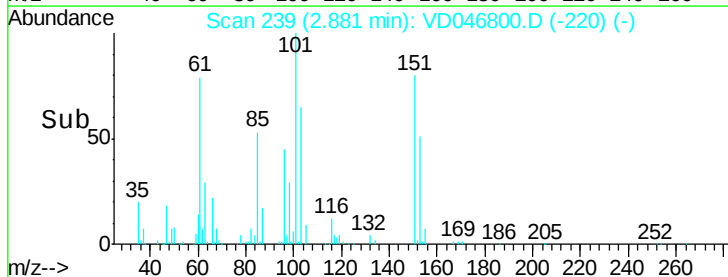
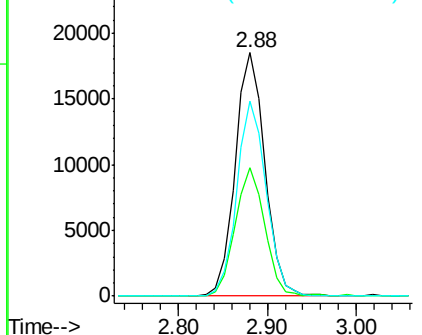
151 80.0 65.2 97.8

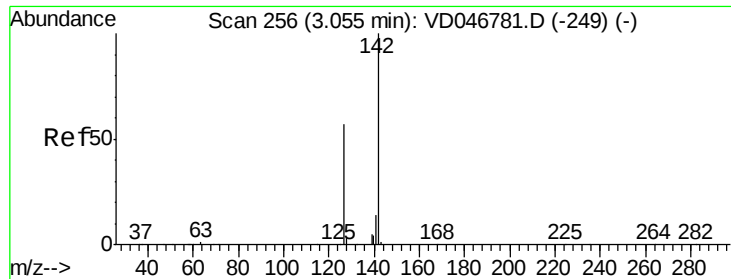


Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): VDC

Ion 150.90 (150.60 to 151.60): V

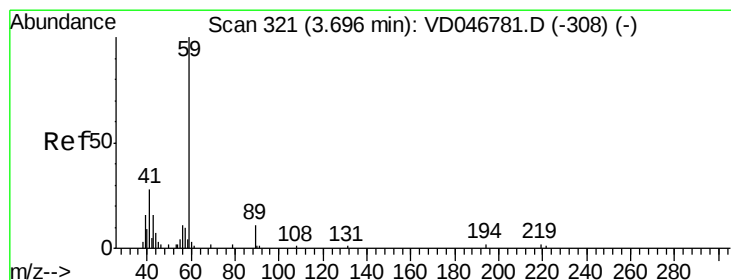
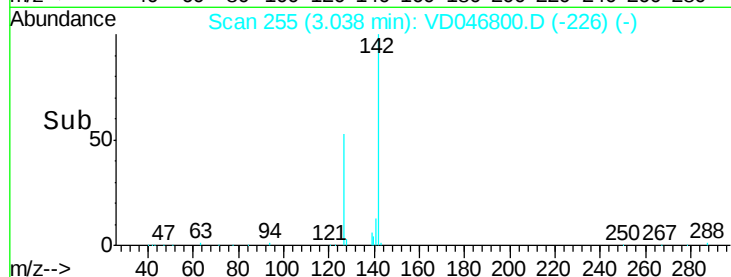
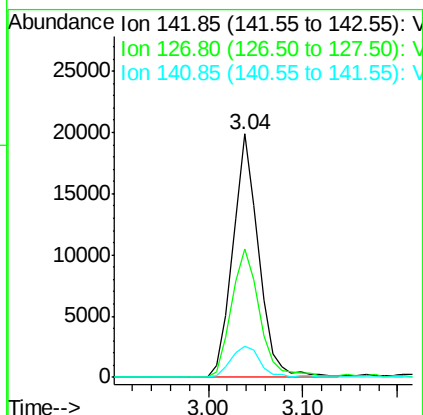
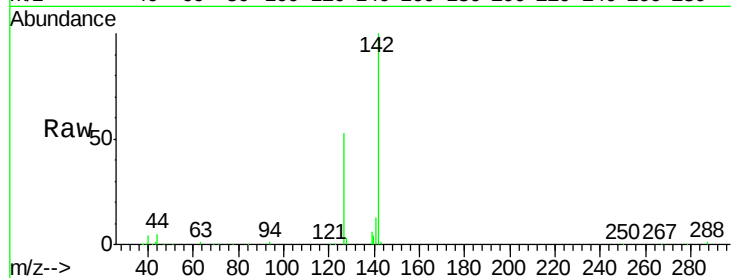




#11
Methyl Iodide
Concen: 17.78 ug/l
RT: 3.04 min Scan# 255
Delta R.T. -0.02 min
Lab File: VD046800.D
Acq: 21 Sep 2015 12:08

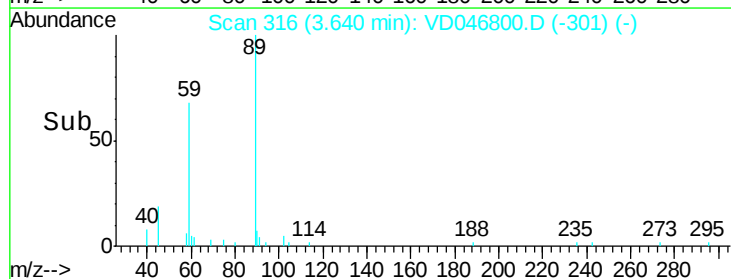
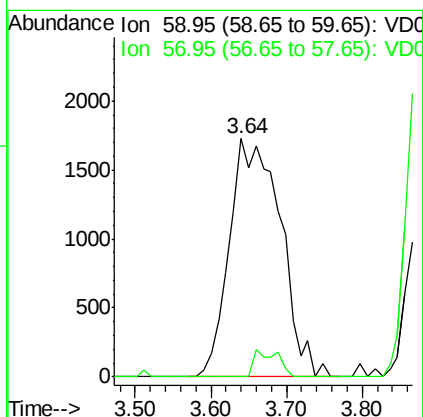
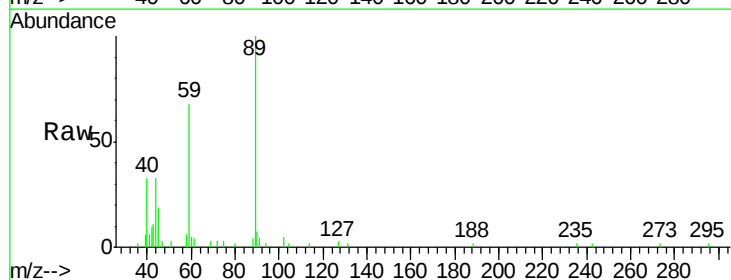
Instrument :
MSVOA_D
ClientSampleId :
VD0921SBS01

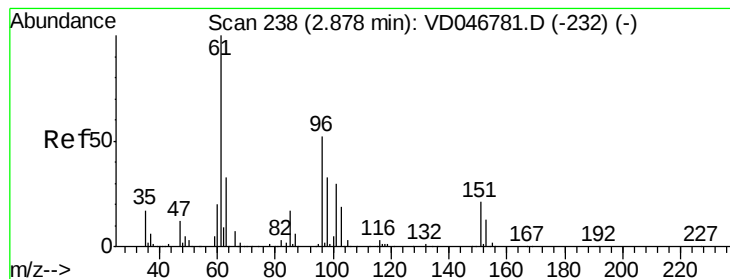
Tot Ion	Ratio	Lower	Upper
142	100		
127	52.8	41.2	61.8
141	12.6	11.6	17.4



#12
Tert butyl alcohol
Concen: 86.88 ug/l
RT: 3.64 min Scan# 316
Delta R.T. -0.06 min
Lab File: VD046800.D
Acq: 21 Sep 2015 12:08

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





#13

1,1-Dichloroethene

Concen: 21.49 ug/l

RT: 2.87 min Scan# 238

Delta R.T. -0.01 min

Lab File: VD046800.D

Acq: 21 Sep 2015 12:08

Instrument :

MSVOA_D

ClientSampleId :

VD0921SBS01

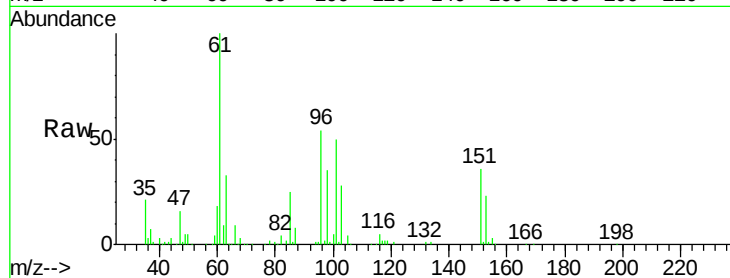
Tot Ion: 96 Resp: 32550

Ion Ratio Lower Upper

96 100

61 185.7 152.2 228.4

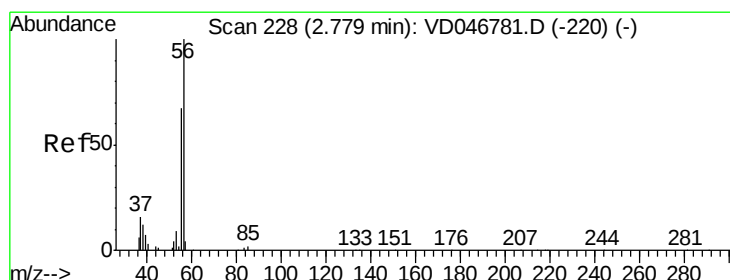
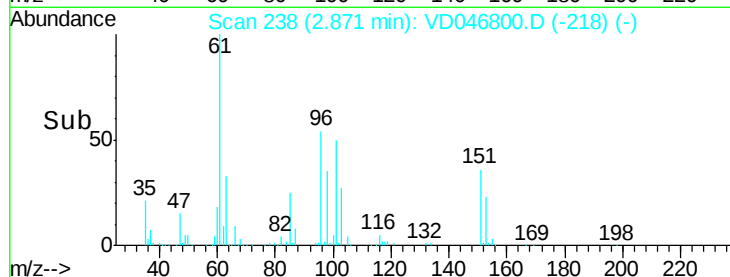
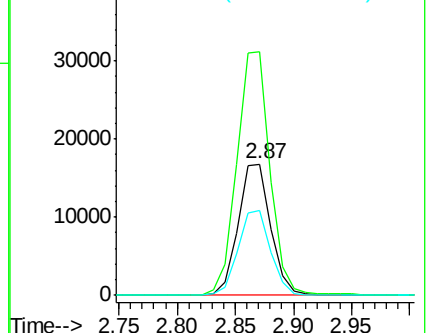
98 64.9 51.2 76.8



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#14

Acrolein

Concen: 102.62 ug/l

RT: 2.77 min Scan# 228

Delta R.T. -0.01 min

Lab File: VD046800.D

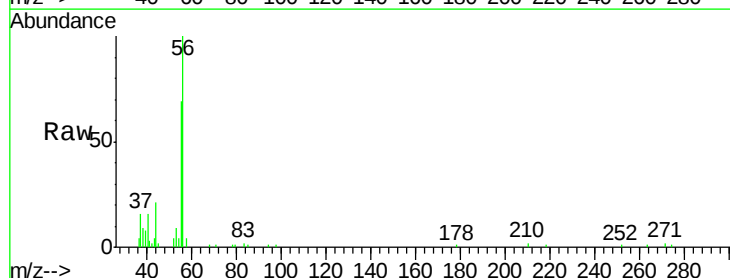
Acq: 21 Sep 2015 12:08

Tgt Ion: 56 Resp: 10305

Ion Ratio Lower Upper

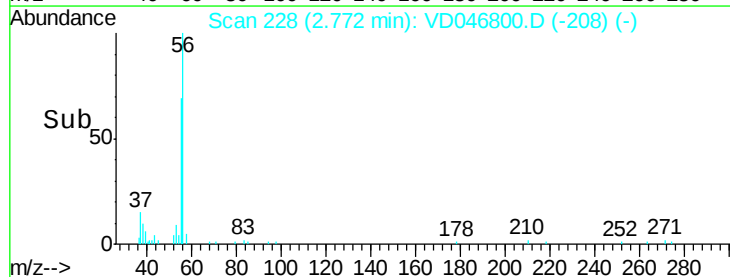
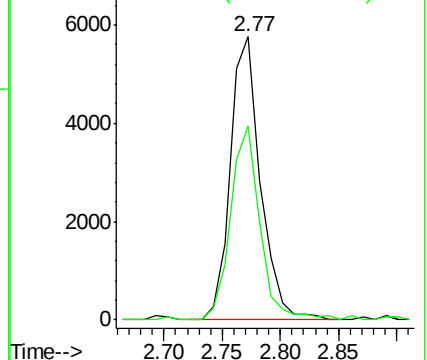
56 100

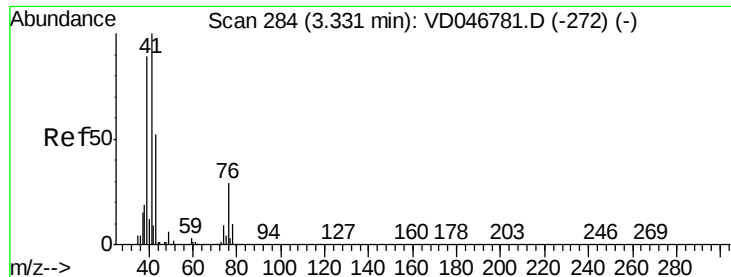
55 68.7 62.6 93.8



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

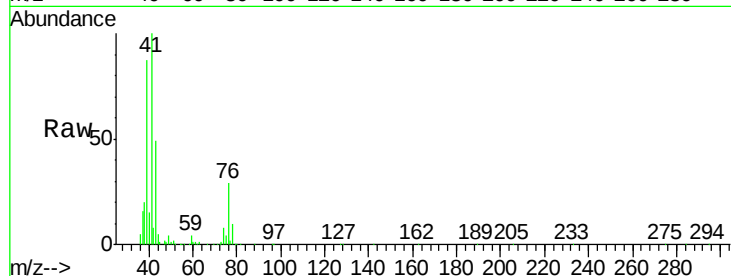




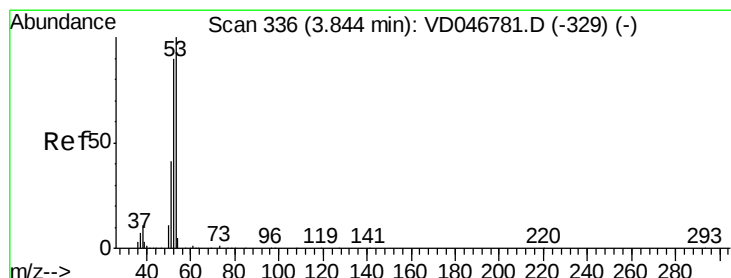
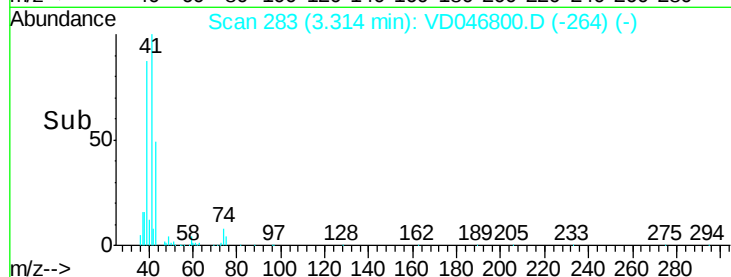
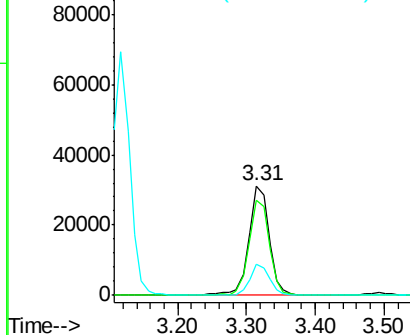
#15
Allvl chloride
Concen: 21.11 ug/l
RT: 3.31 min Scan# 283
Delta R.T. -0.02 min
Lab File: VD046800.D
Acq: 21 Sep 2015 12:08

Instrument :
MSVOA_D
ClientSampleId :
VD0921SBS01

Tot Ion: 41 Resp: 64919
Ion Ratio Lower Upper
41 100
39 86.7 58.8 88.2
76 28.6 22.7 34.1

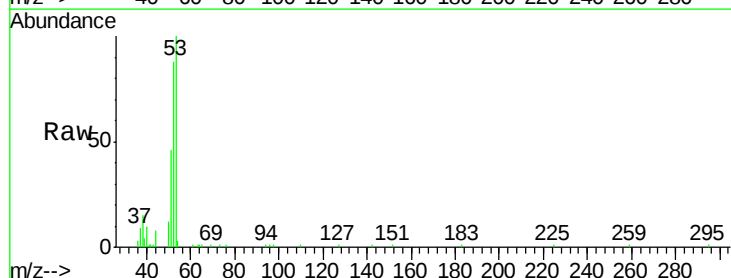


Abundance Ion 41.05 (40.75 to 41.75): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 75.95 (75.65 to 76.65): VDC

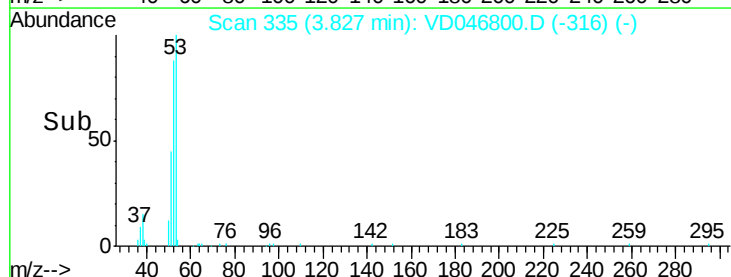
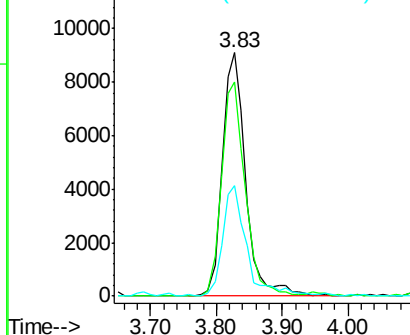


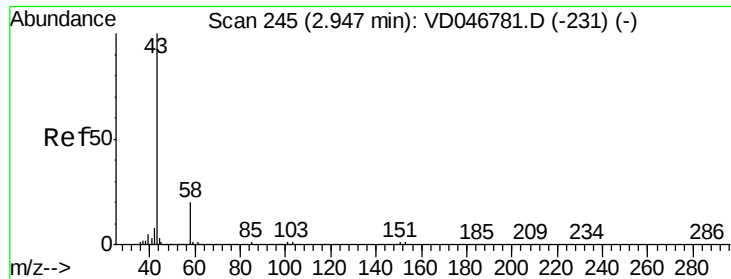
#16
Acrylonitrile
Concen: 98.09 ug/l
RT: 3.83 min Scan# 335
Delta R.T. -0.02 min
Lab File: VD046800.D
Acq: 21 Sep 2015 12:08

Tgt Ion: 53 Resp: 22513
Ion Ratio Lower Upper
53 100
52 88.0 66.8 100.2
51 45.6 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

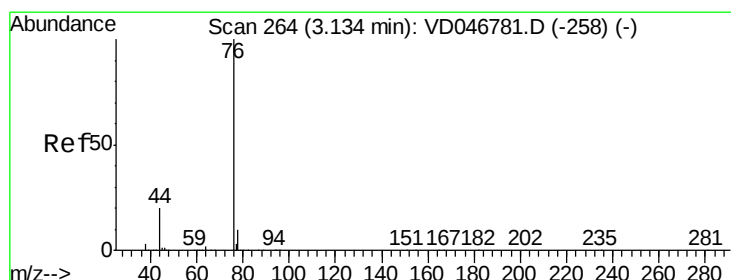
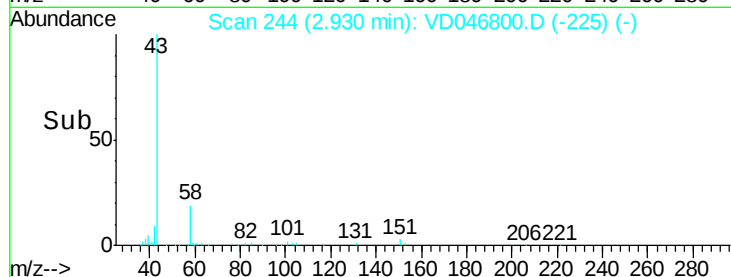
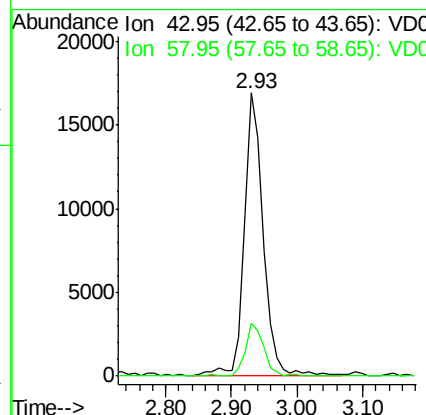
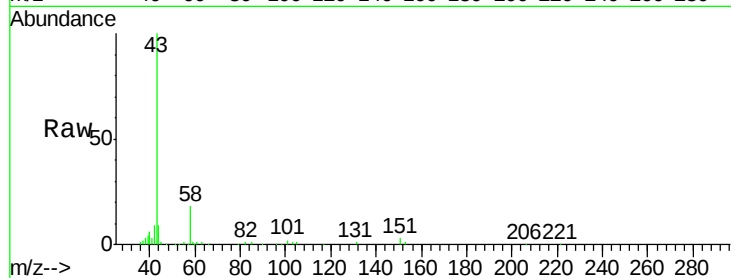




#17
Acetone
Concen: 103.90 ug/l
RT: 2.93 min Scan# 244
Delta R.T. -0.02 min
Lab File: VD046800.D
Acq: 21 Sep 2015 12:08

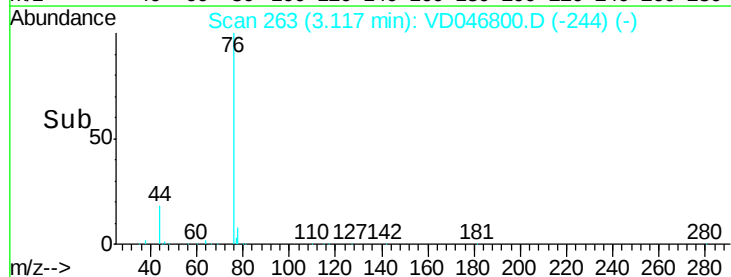
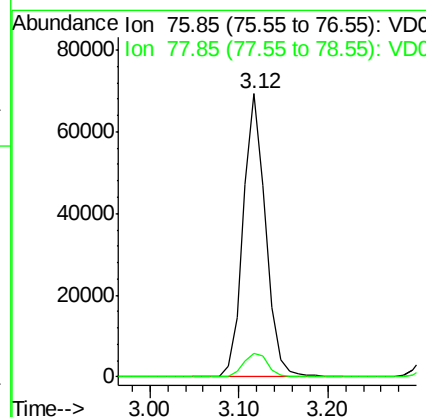
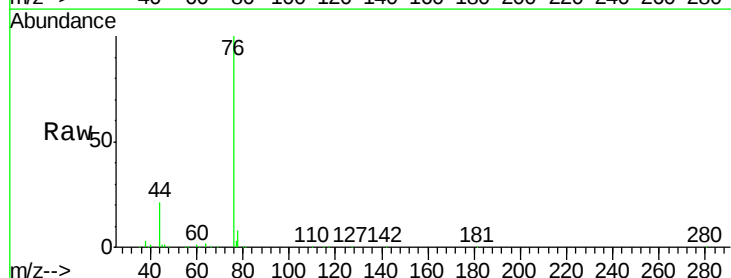
Instrument :
MSVOA_D
ClientSampleId :
VD0921SBS01

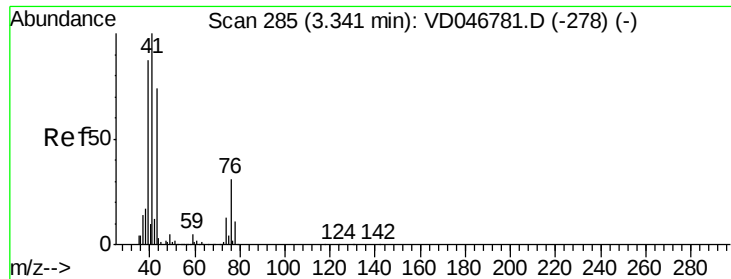
Tot Ion: 43 Resp: 34508
Ion Ratio Lower Upper
43 100
58 18.5 16.6 24.8



#18
Carbon Disulfide
Concen: 21.33 ug/l
RT: 3.12 min Scan# 263
Delta R.T. -0.02 min
Lab File: VD046800.D
Acq: 21 Sep 2015 12:08

Tgt Ion: 76 Resp: 121013
Ion Ratio Lower Upper
76 100
78 8.2 8.0 12.0

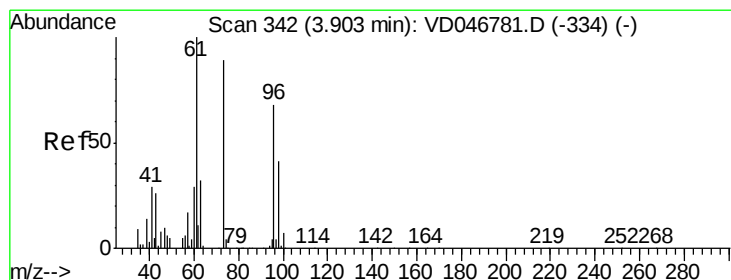
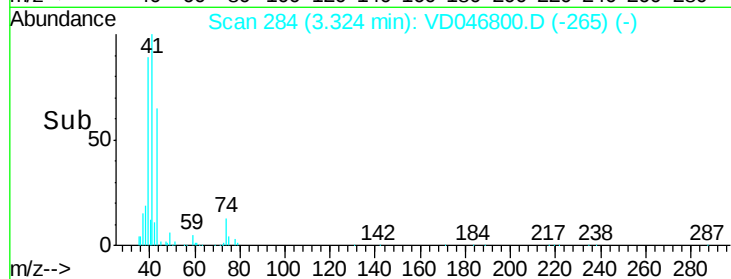
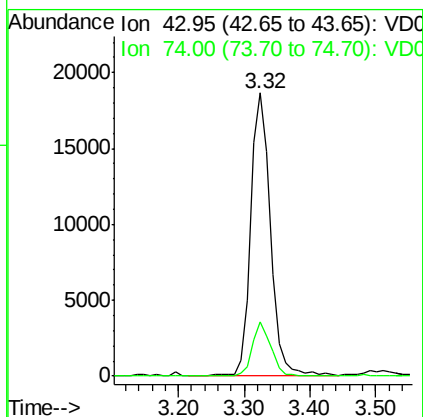
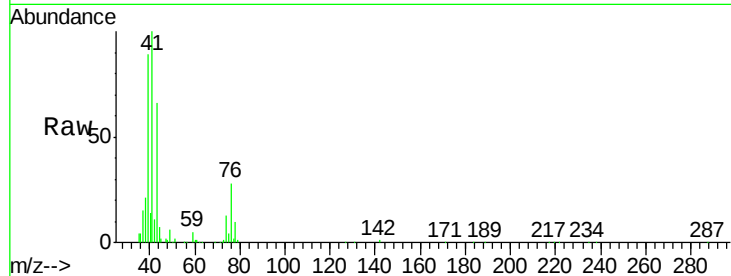




#19
Methvl Acetate
Concen: 20.27 ug/l
RT: 3.32 min Scan# 284
Delta R.T. -0.02 min
Lab File: VD046800.D
Acq: 21 Sep 2015 12:08

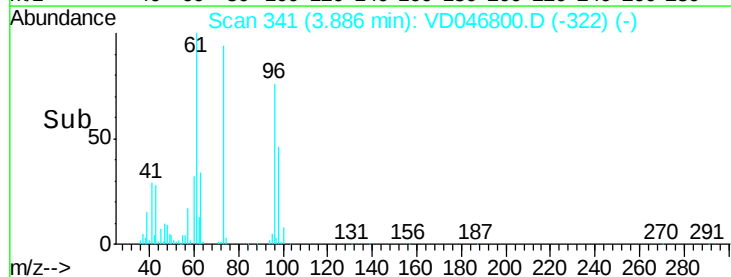
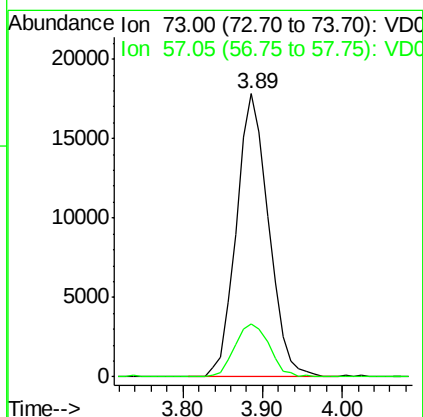
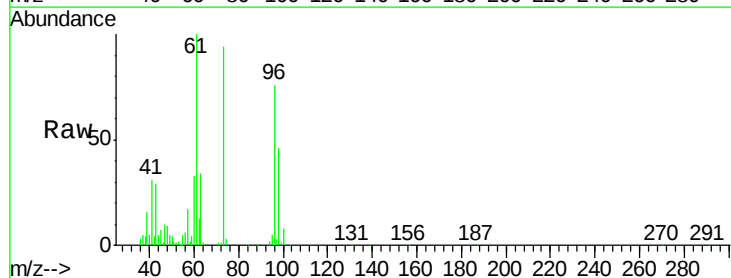
Instrument :
MSVOA_D
ClientSampleId :
VD0921SBS01

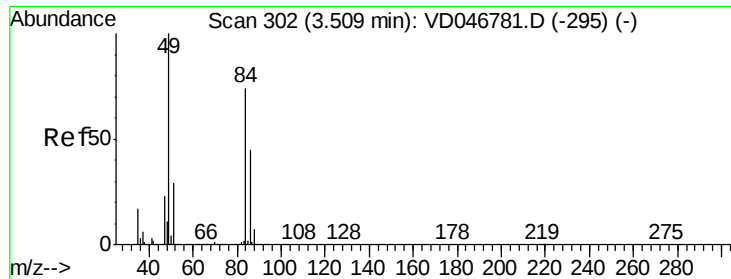
Tot Ion: 43 Resp: 39006
Ion Ratio Lower Upper
43 100
74 19.3 13.7 20.5



#20
Methyl tert-butyl Ether
Concen: 21.08 ug/l
RT: 3.89 min Scan# 341
Delta R.T. -0.02 min
Lab File: VD046800.D
Acq: 21 Sep 2015 12:08

Tgt Ion: 73 Resp: 50023
Ion Ratio Lower Upper
73 100
57 18.6 18.1 27.1

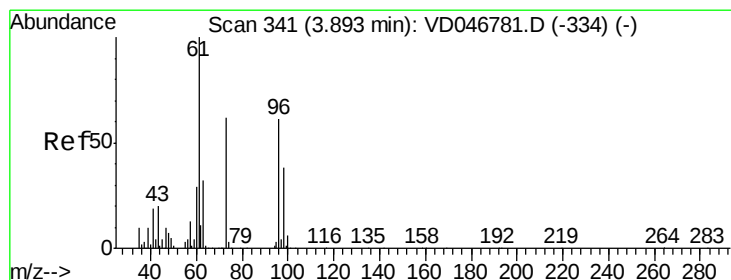
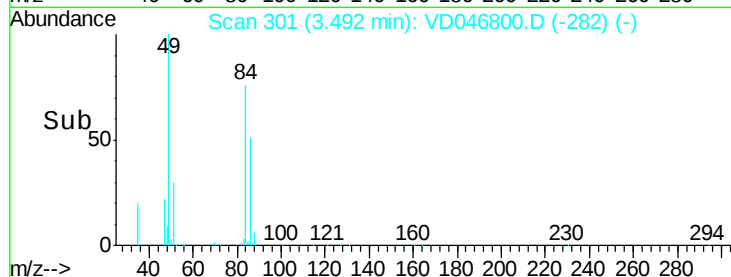
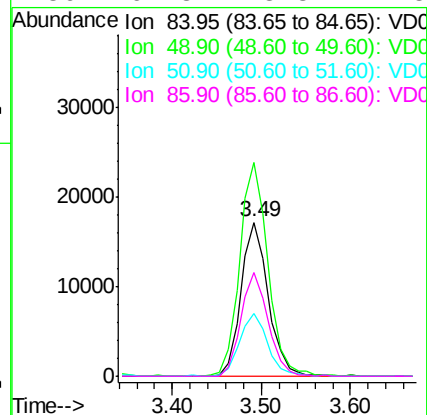
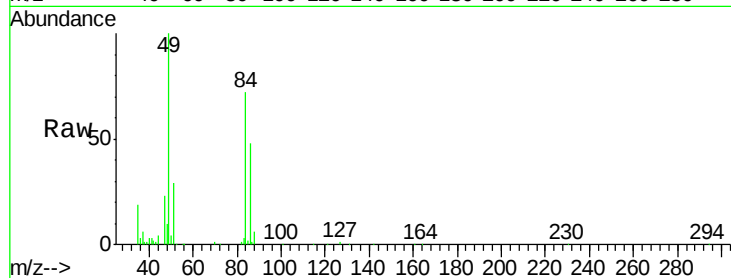




#21
Methvlene Chloride
Concen: 20.26 ug/l
RT: 3.49 min Scan# 301
Delta R.T. -0.02 min
Lab File: VD046800.D
Acq: 21 Sep 2015 12:08

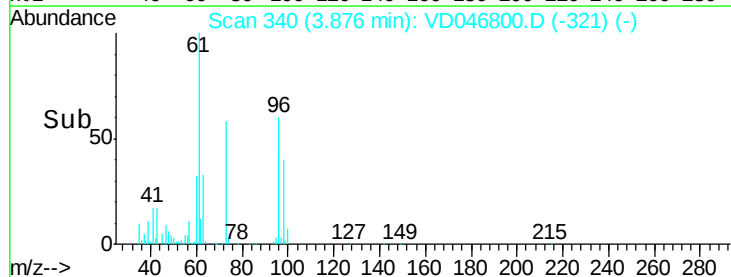
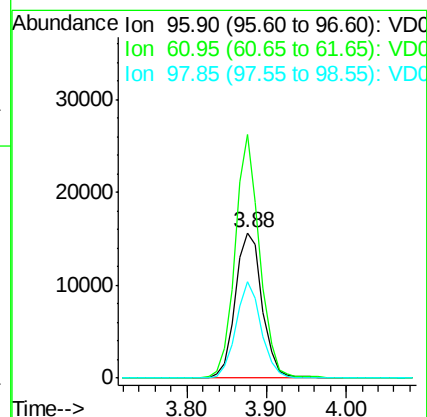
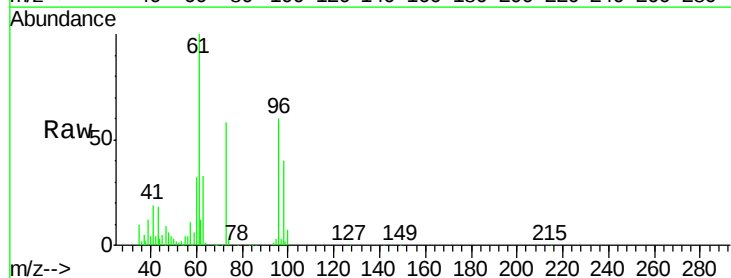
Instrument :
MSVOA_D
ClientSampleId :
VD0921SBS01

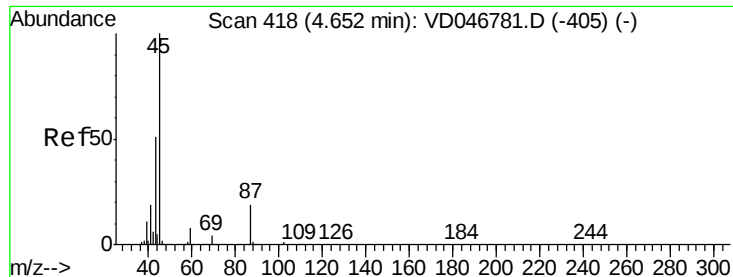
Tot Ion:	84	Resp:	36542
Ion	Ratio	Lower	Upper
84	100		
49	139.1	122.1	183.1
51	40.9	33.6	50.4
86	67.3	48.3	72.5



#22
trans-1,2-Dichloroethene
Concen: 21.65 ug/l
RT: 3.88 min Scan# 340
Delta R.T. -0.02 min
Lab File: VD046800.D
Acq: 21 Sep 2015 12:08

Tgt Ion:	96	Resp:	36974
Ion	Ratio	Lower	Upper
96	100		
61	167.2	125.8	188.6
98	66.1	54.5	81.7





#23

Diisopropyl ether

Concen: 21.37 ug/l

RT: 4.64 min Scan# 417

Delta R.T. -0.02 min

Lab File: VD046800.D

Acq: 21 Sep 2015 12:08

Instrument :

MSVOA_D

ClientSampleId :

VD0921SBS01

Tot Ion: 45 Resp: 109073

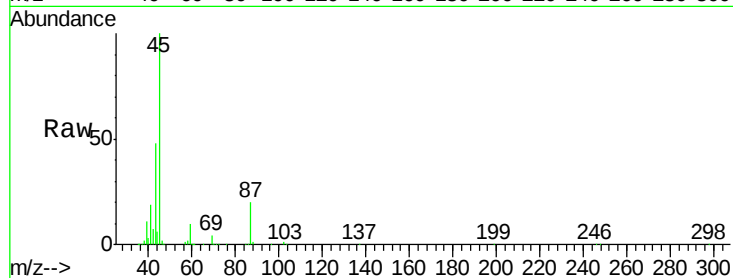
Ion Ratio Lower Upper

45 100

43 47.7 35.9 53.9

87 20.1 13.0 19.6

59 9.7 7.0 10.6

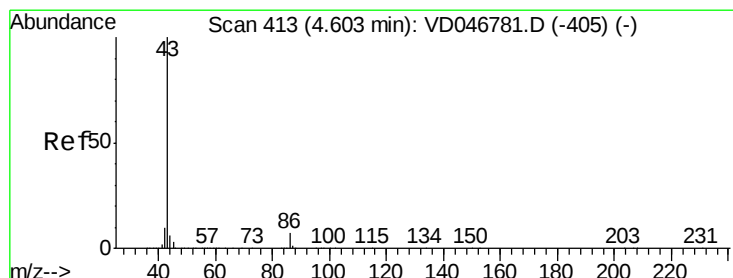
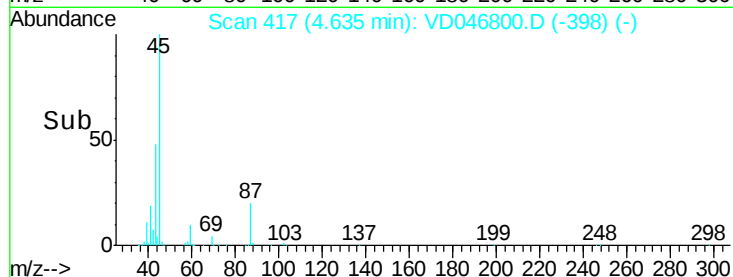
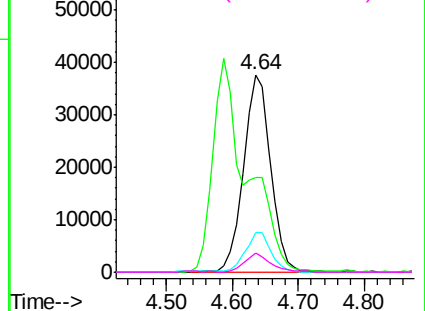


Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 130.10 ug/l

RT: 4.59 min Scan# 412

Delta R.T. -0.02 min

Lab File: VD046800.D

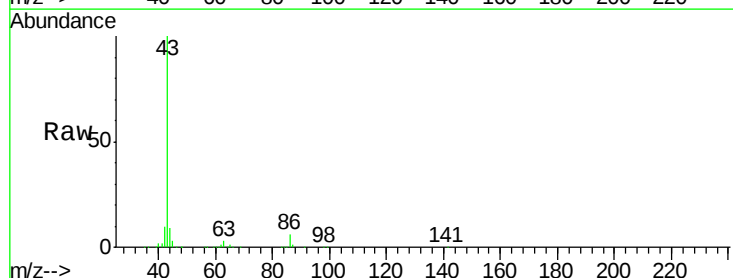
Acq: 21 Sep 2015 12:08

Tgt Ion: 43 Resp: 146549

Ion Ratio Lower Upper

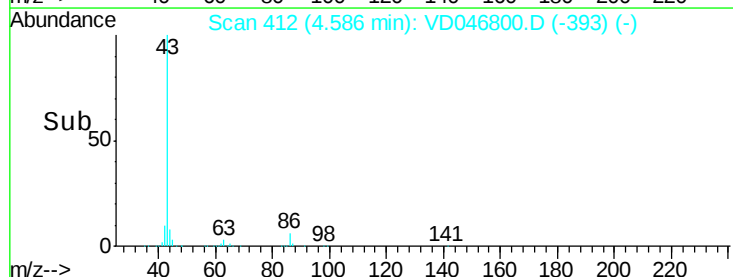
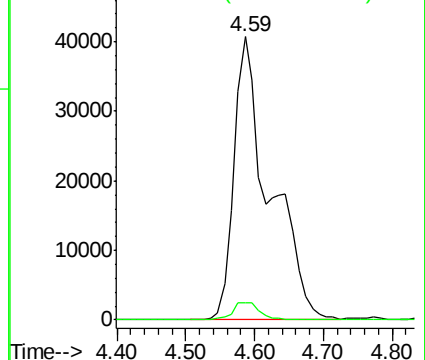
43 100

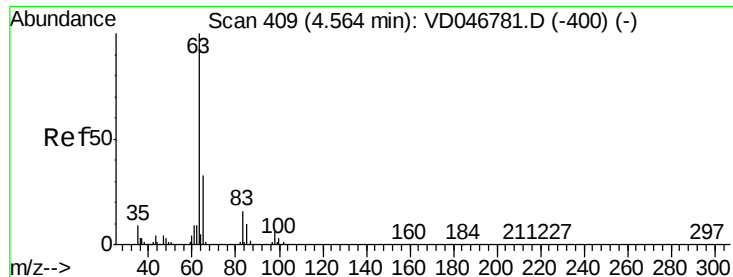
86 6.2 4.9 7.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC





#25

1,1-Dichloroethane

Concen: 21.31 ug/l

RT: 4.55 min Scan# 408

Delta R.T. -0.02 min

Lab File: VD046800.D

Acq: 21 Sep 2015 12:08

Instrument :

MSVOA_D

ClientSampleId :

VD0921SBS01

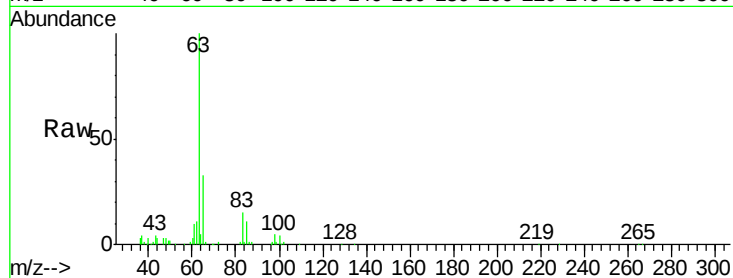
Tot Ion: 63 Resp: 67022

Ion Ratio Lower Upper

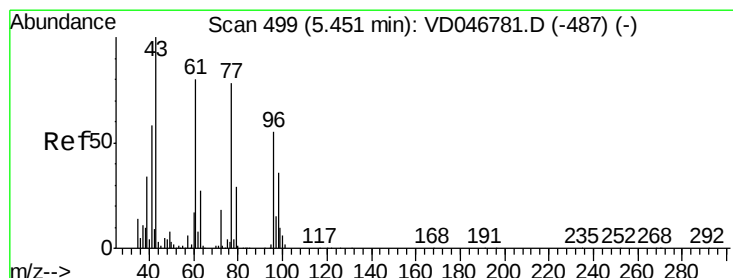
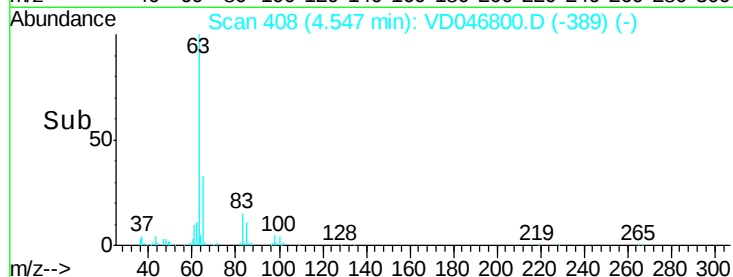
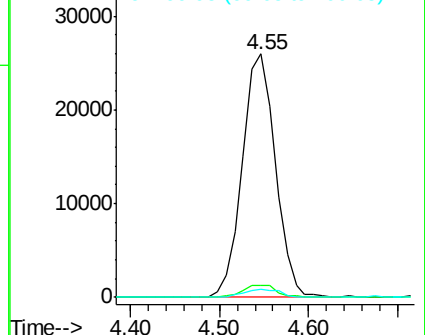
63 100

98 4.8 2.5 7.5

100 3.5 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: 101.97 ug/l

RT: 5.43 min Scan# 498

Delta R.T. -0.02 min

Lab File: VD046800.D

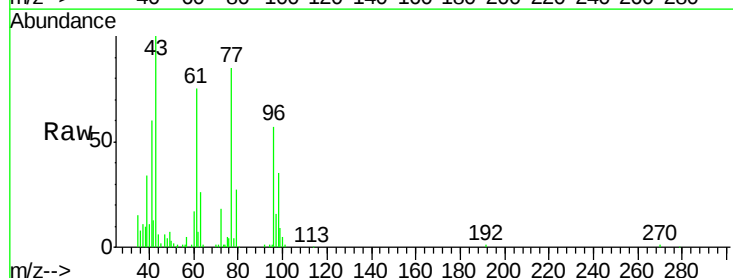
Acq: 21 Sep 2015 12:08

Tgt Ion: 43 Resp: 38063

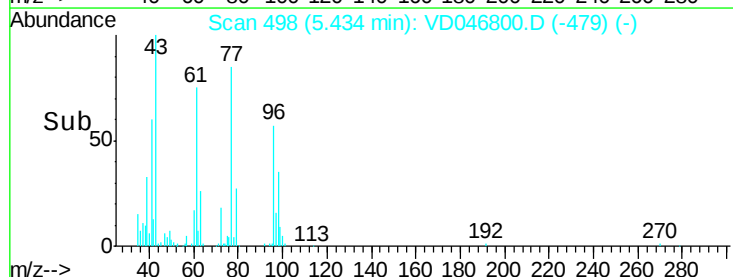
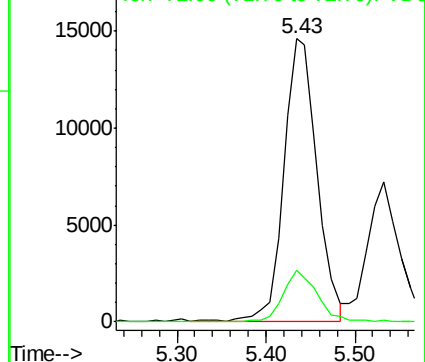
Ion Ratio Lower Upper

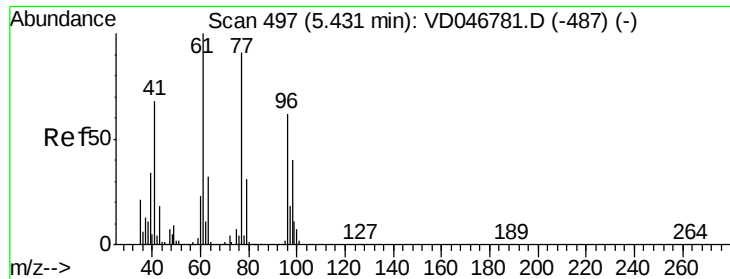
43 100

72 18.4 13.4 20.0



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





#27

2,2-Dichloropropane

Concen: 22.33 ug/l

RT: 5.41 min Scan# 496

Delta R.T. -0.02 min

Lab File: VD046800.D

Acq: 21 Sep 2015 12:08

Instrument :

MSVOA_D

ClientSampleId :

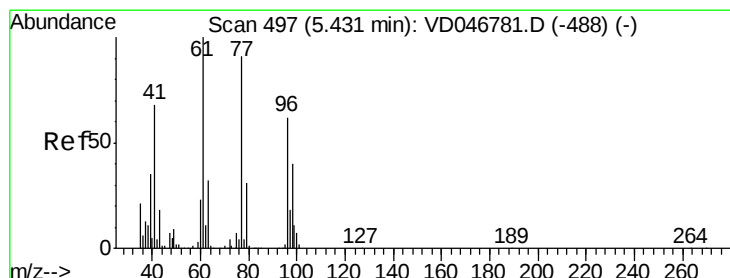
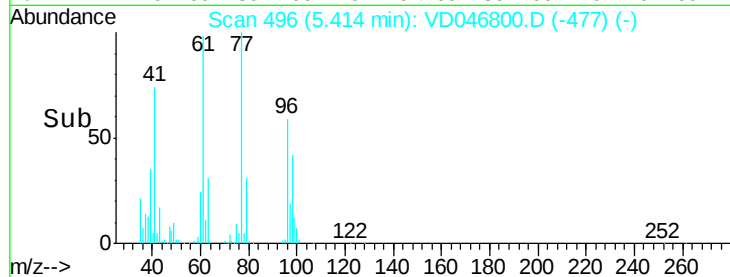
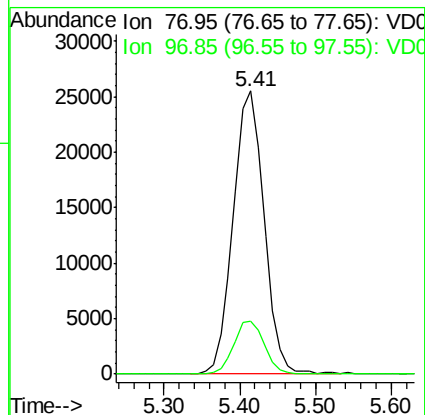
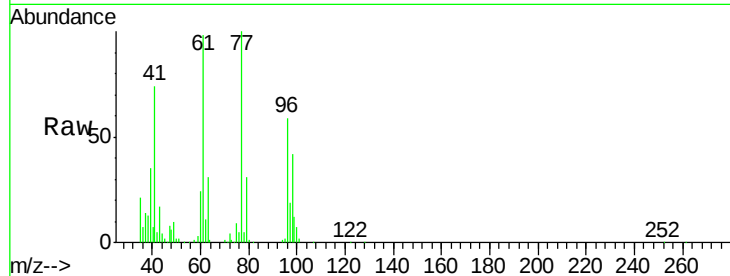
VD0921SBS01

Tot Ion: 77 Resp: 72149

Ion Ratio Lower Upper

77 100

97 18.8 10.4 31.1



#28

cis-1,2-Dichloroethene

Concen: 21.34 ug/l

RT: 5.41 min Scan# 496

Delta R.T. -0.02 min

Lab File: VD046800.D

Acq: 21 Sep 2015 12:08

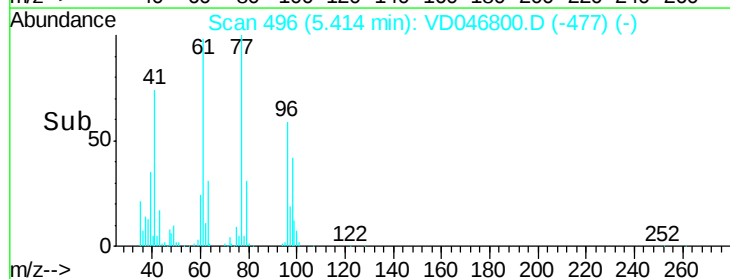
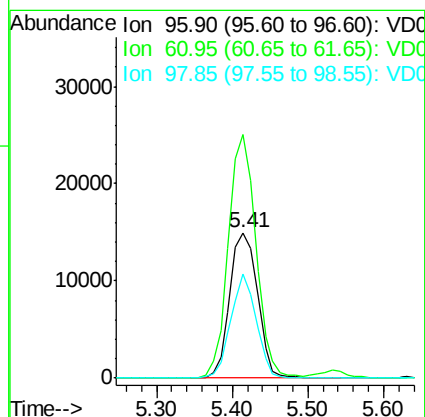
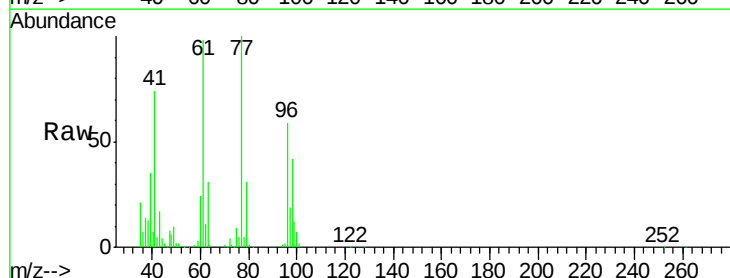
Tgt Ion: 96 Resp: 37946

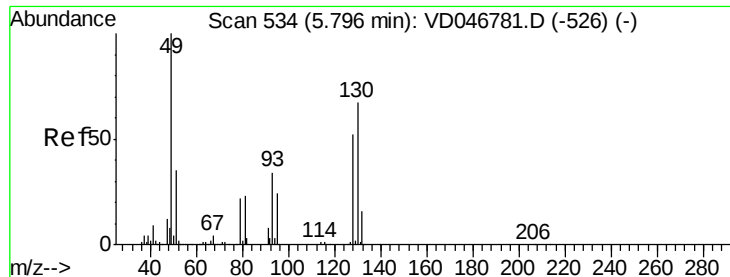
Ion Ratio Lower Upper

96 100

61 167.7 0.0 348.0

98 71.9 0.0 128.8





#29

Bromochloromethane

Concen: 20.84 ug/l

RT: 5.78 min Scan# 533

Delta R.T. -0.02 min

Lab File: VD046800.D

Acq: 21 Sep 2015 12:08

Instrument :

MSVOA_D

ClientSampleId :

VD0921SBS01

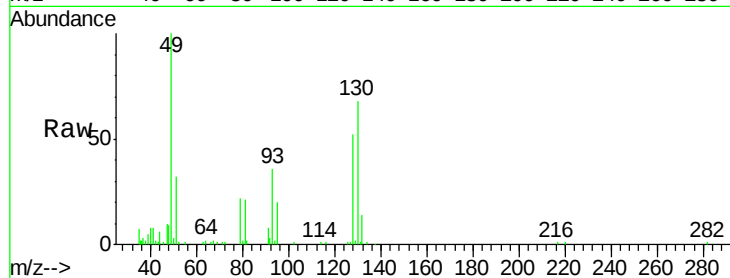
Tot Ion: 49 Resp: 25827

Ion Ratio Lower Upper

49 100

129 1.6 0.0 2.8

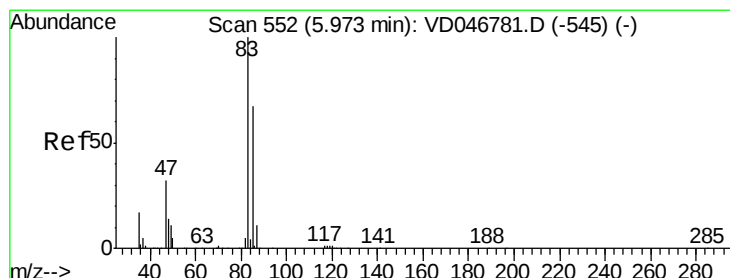
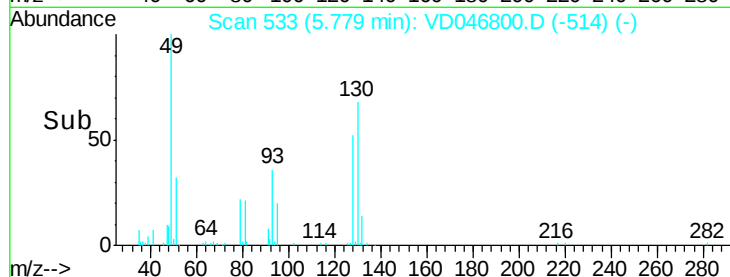
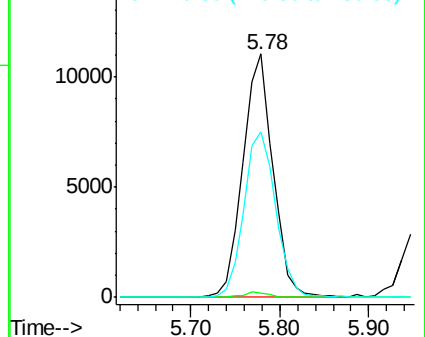
130 67.9 50.2 75.4



Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): VDC

Ion 129.80 (129.50 to 130.50): VDC



#30

Chloroform

Concen: 21.84 ug/l

RT: 5.96 min Scan# 551

Delta R.T. -0.02 min

Lab File: VD046800.D

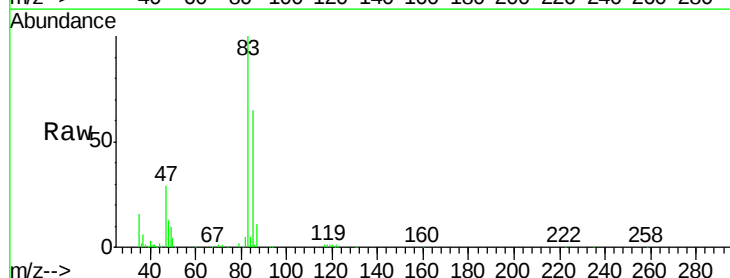
Acq: 21 Sep 2015 12:08

Tgt Ion: 83 Resp: 83307

Ion Ratio Lower Upper

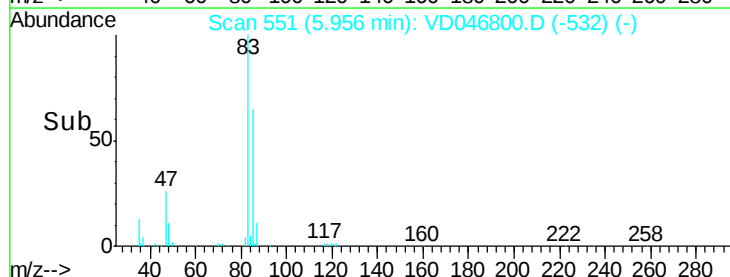
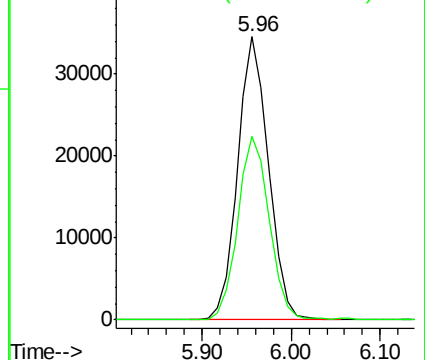
83 100

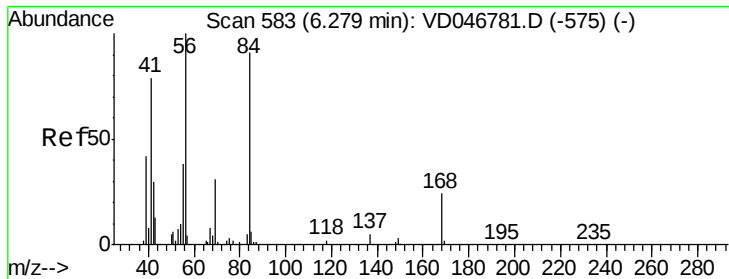
85 64.7 52.5 78.7



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC





#31

Cyclohexane

Concen: 21.06 ug/l

RT: 6.26 min Scan# 582

Delta R.T. -0.02 min

Lab File: VD046800.D

Acq: 21 Sep 2015 12:08

Instrument :

MSVOA_D

ClientSampleId :

VD0921SBS01

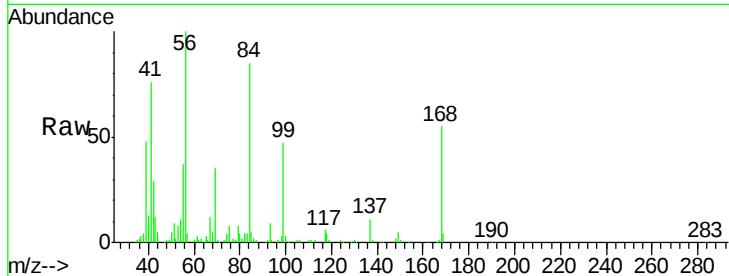
Tot Ion: 56 Resp: 62140

Ion Ratio Lower Upper

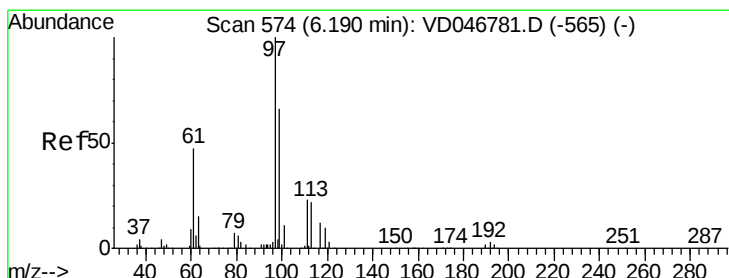
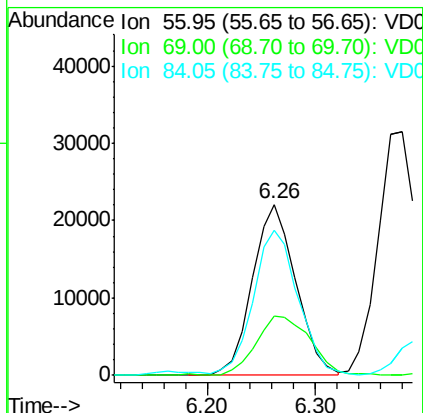
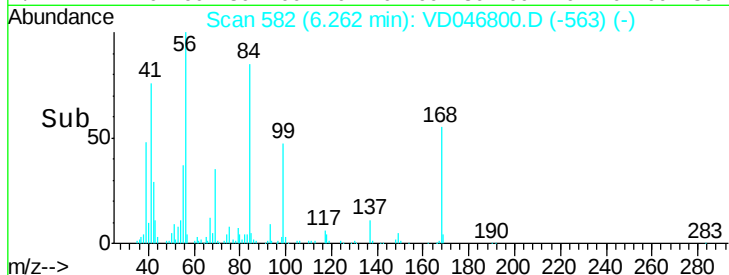
56 100

69 34.9 23.4 35.0

84 84.9 63.8 95.8



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



#32

1,1,1-Trichloroethane

Concen: 22.55 ug/l

RT: 6.17 min Scan# 573

Delta R.T. -0.02 min

Lab File: VD046800.D

Acq: 21 Sep 2015 12:08

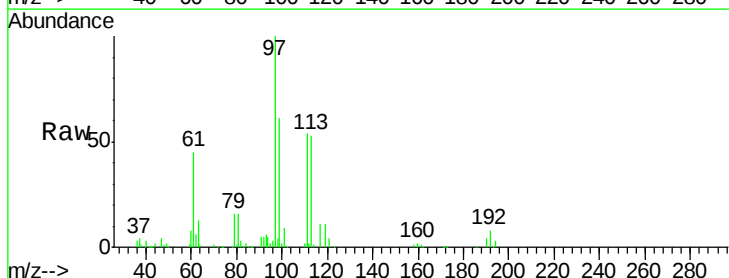
Tgt Ion: 97 Resp: 76587

Ion Ratio Lower Upper

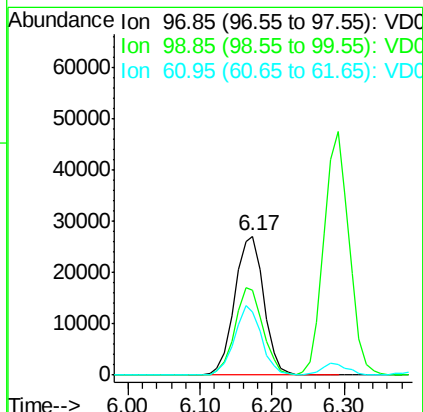
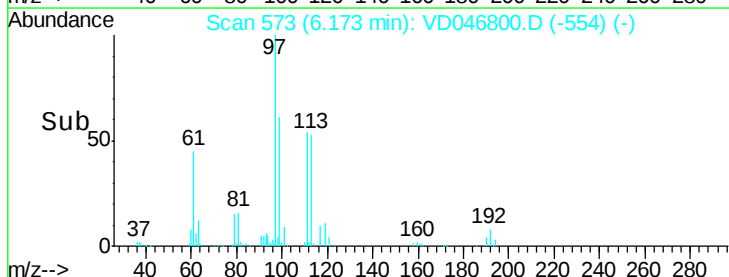
97 100

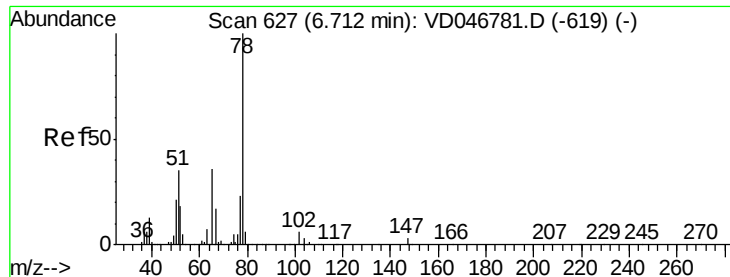
99 60.8 50.2 75.4

61 45.3 38.6 57.8



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





#33

1,2-Dichloroethane-d4

Concen: 22.55 ug/l

RT: 6.70 min Scan# 626

Delta R.T. -0.02 min

Lab File: VD046800.D

Acq: 21 Sep 2015 12:08

Instrument :

MSVOA_D

ClientSampleId :

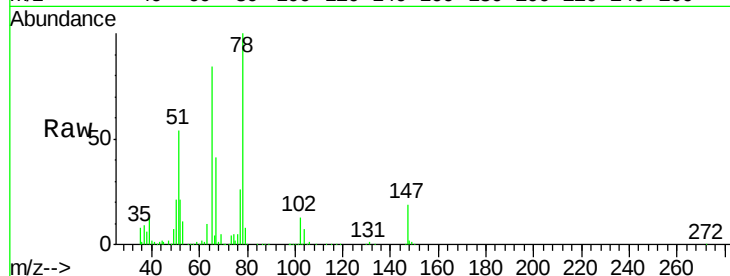
VD0921SBS01

Tot Ion: 65 Resp: 105624

Ion Ratio Lower Upper

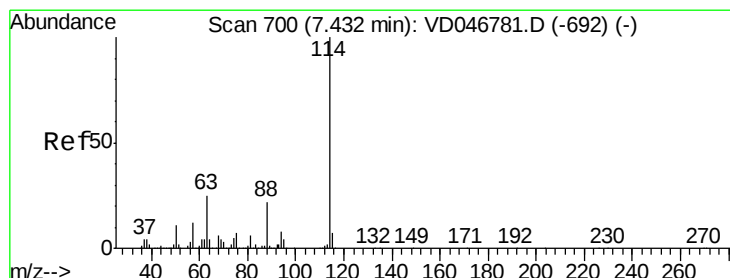
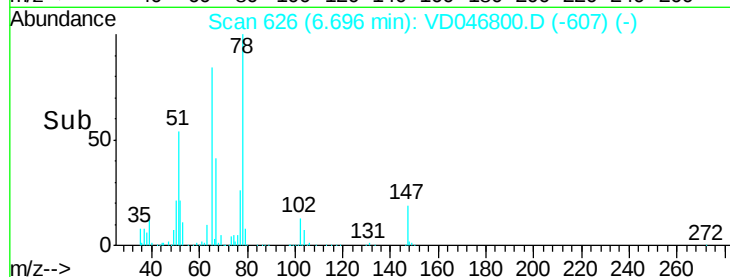
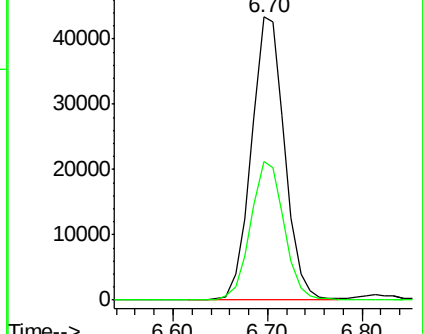
65 100

67 48.8 0.0 105.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 7.42 min Scan# 699

Delta R.T. -0.02 min

Lab File: VD046800.D

Acq: 21 Sep 2015 12:08

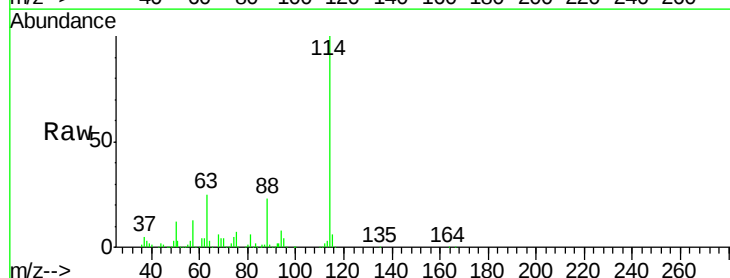
Tgt Ion: 114 Resp: 233349

Ion Ratio Lower Upper

114 100

63 25.3 0.0 49.8

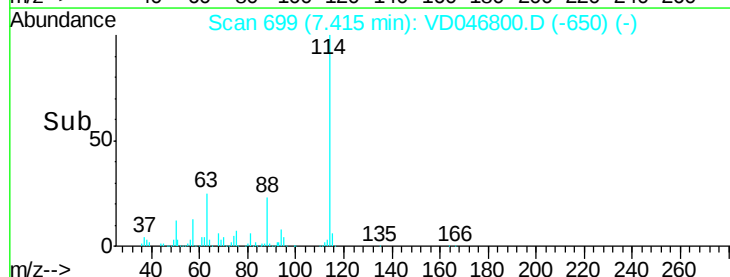
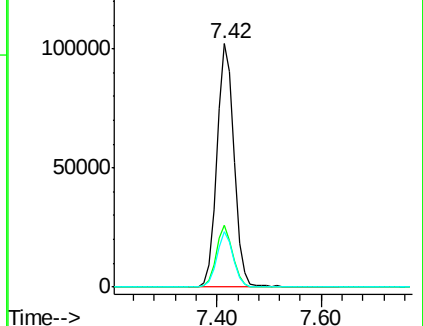
88 22.9 0.0 43.6

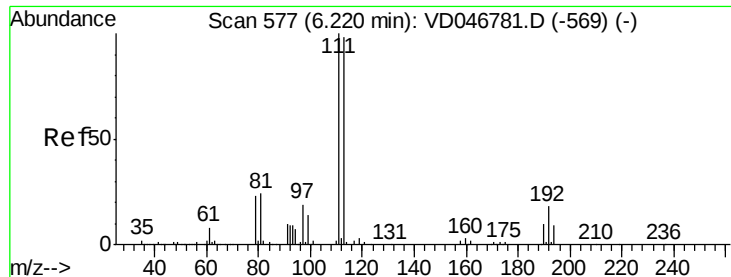


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

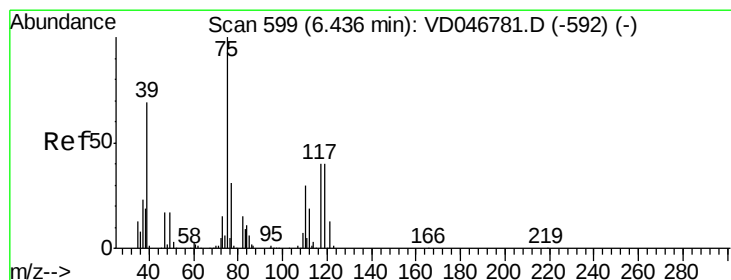
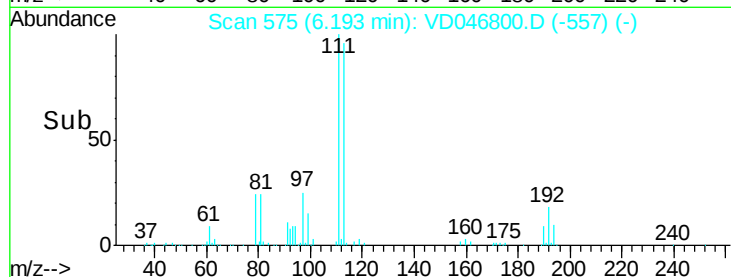
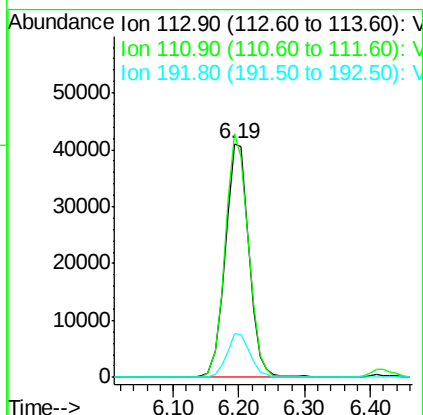
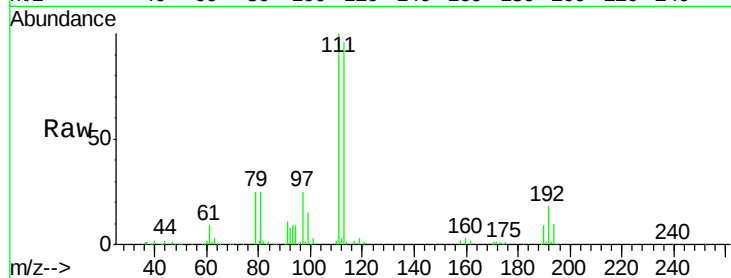




#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 6.19 min Scan# 575
 Delta R.T. -0.03 min
 Lab File: VD046800.D
 Acq: 21 Sep 2015 12:08

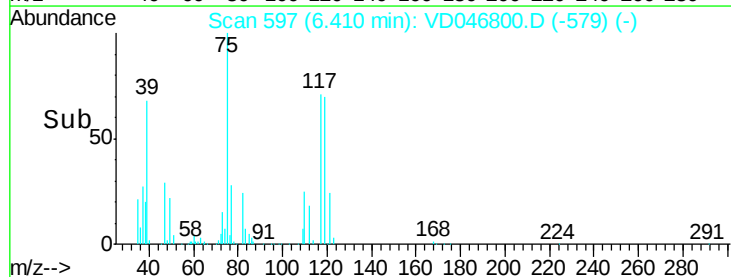
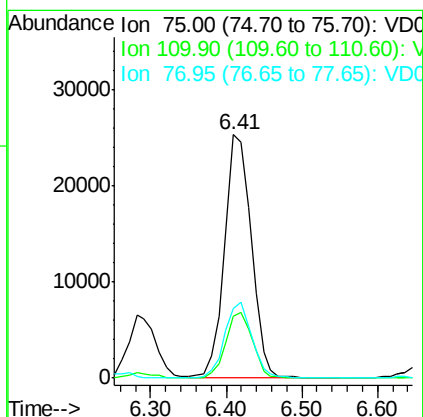
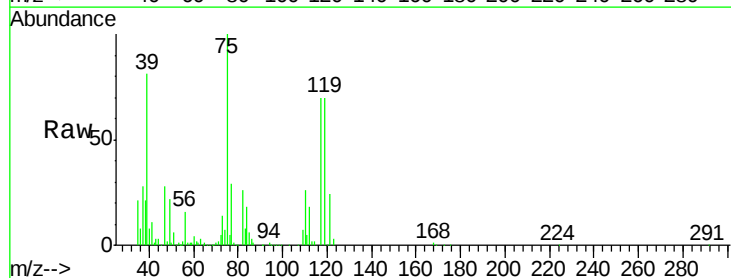
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0921SBS01

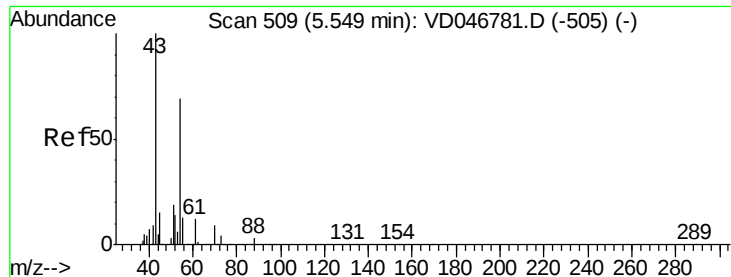
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.3	79.4	119.0
192	18.7	14.6	22.0



#36
 1,1-Dichloropropene
 Concen: 22.90 ug/l
 RT: 6.41 min Scan# 597
 Delta R.T. -0.03 min
 Lab File: VD046800.D
 Acq: 21 Sep 2015 12:08

Tgt Ion	Ratio	Lower	Upper
75	100		
110	25.6	13.7	41.0
77	28.7	24.7	37.1

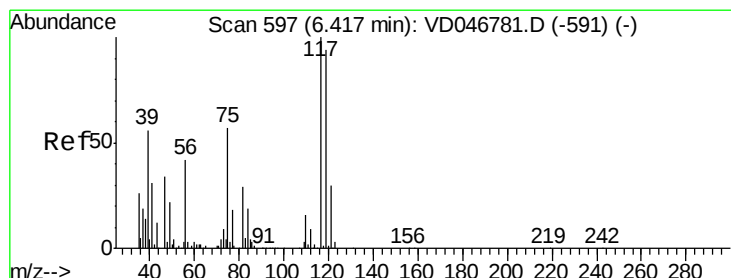
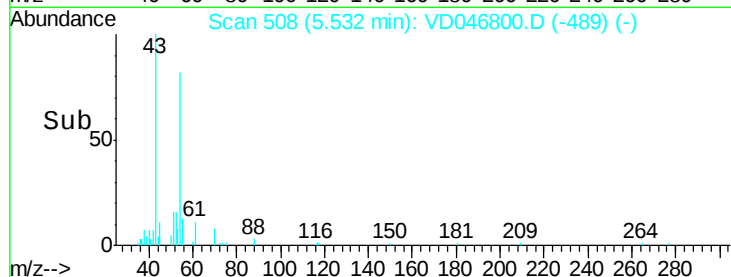
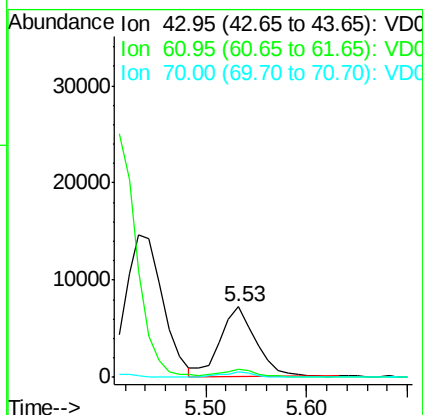
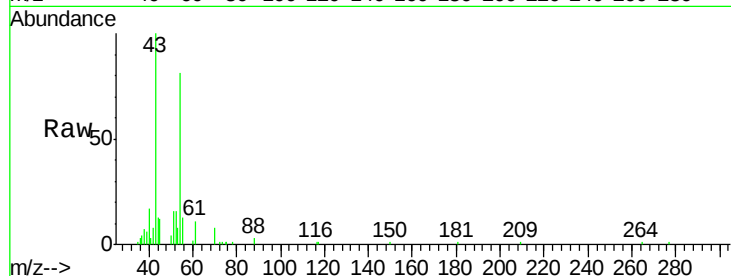




#37
Ethyl Acetate
Concen: 20.06 ug/l
RT: 5.53 min Scan# 508
Delta R.T. -0.02 min
Lab File: VD046800.D
Acq: 21 Sep 2015 12:08

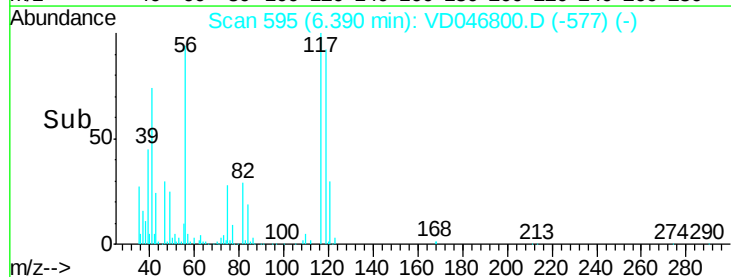
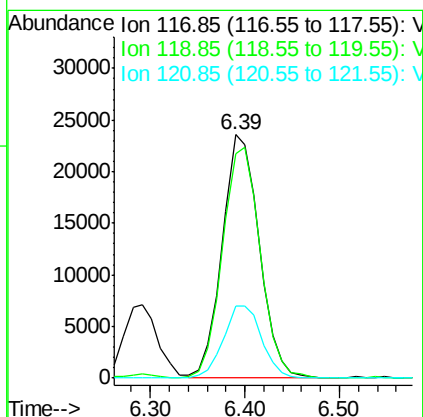
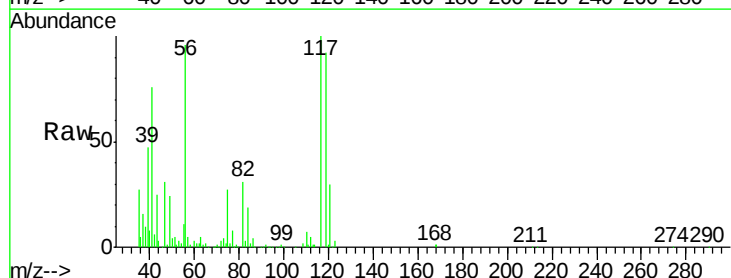
Instrument :
MSVOA_D
ClientSampleId :
VD0921SBS01

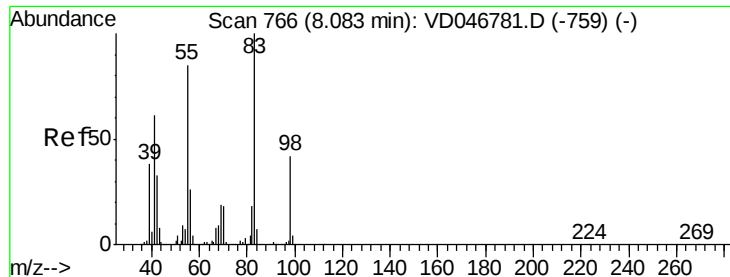
Tot Ion: 43 Resp: 17576
Ion Ratio Lower Upper
43 100
61 10.9 9.4 14.2
70 7.7 6.0 9.0



#38
Carbon Tetrachloride
Concen: 22.51 ug/l
RT: 6.39 min Scan# 595
Delta R.T. -0.03 min
Lab File: VD046800.D
Acq: 21 Sep 2015 12:08

Tgt Ion: 117 Resp: 63794
Ion Ratio Lower Upper
117 100
119 92.1 76.2 114.4
121 29.8 24.5 36.7

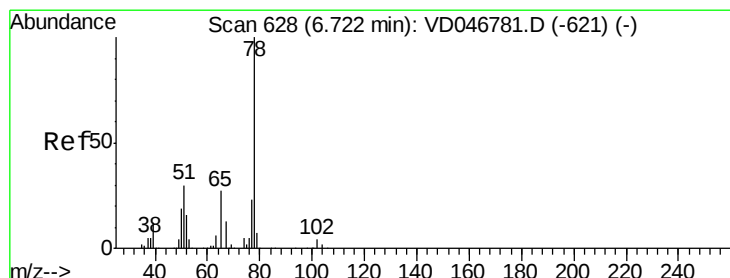
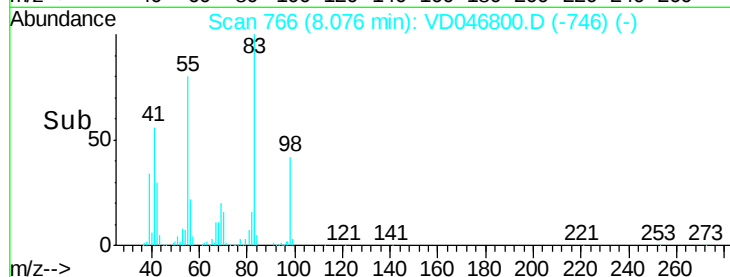
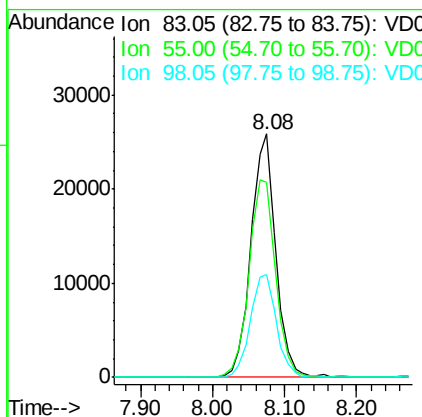
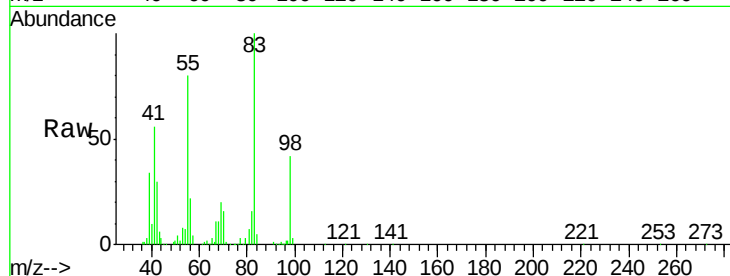




#39
Methvlcvclohexane
Concen: 22.61 ug/l
RT: 8.08 min Scan# 766
Delta R.T. -0.01 min
Lab File: VD046800.D
Acq: 21 Sep 2015 12:08

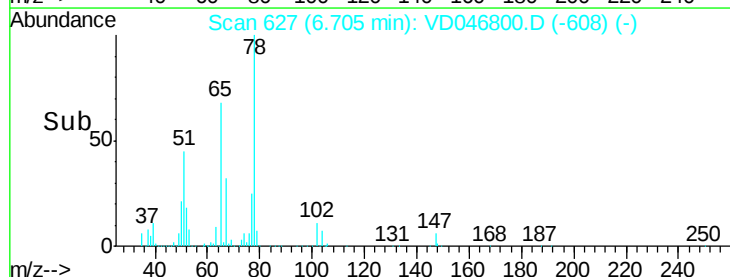
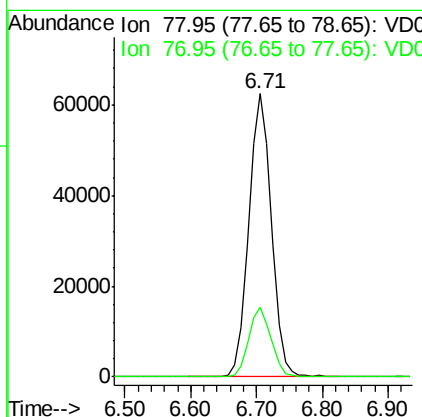
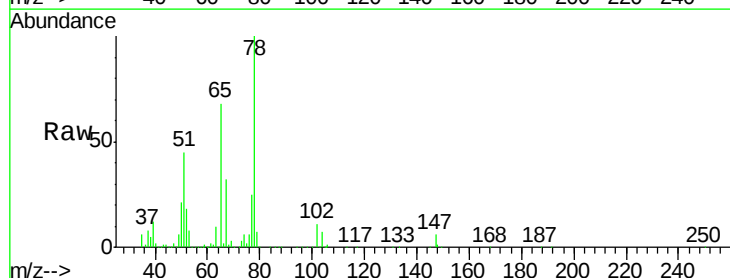
Instrument :
MSVOA_D
ClientSampleId :
VD0921SBS01

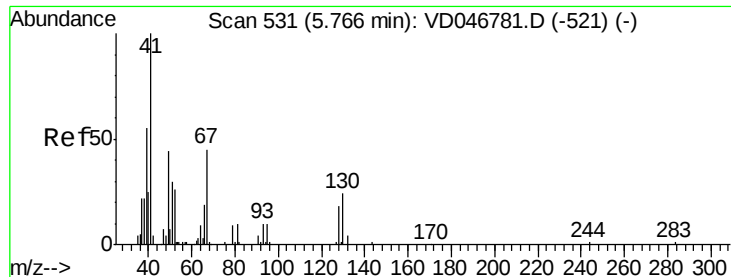
Tot Ion: 83 Resp: 62468
Ion Ratio Lower Upper
83 100
55 79.9 71.1 106.7
98 42.1 34.6 51.8



#40
Benzene
Concen: 21.70 ug/l
RT: 6.71 min Scan# 627
Delta R.T. -0.02 min
Lab File: VD046800.D
Acq: 21 Sep 2015 12:08

Tgt Ion: 78 Resp: 151080
Ion Ratio Lower Upper
78 100
77 24.8 19.9 29.9

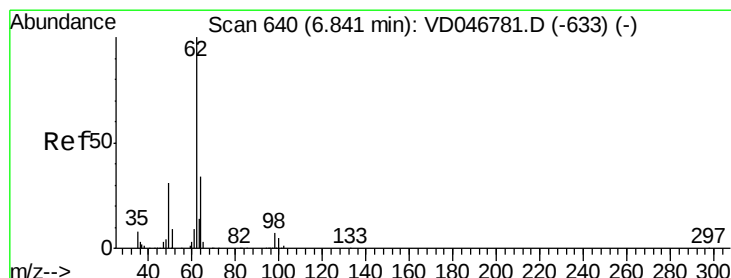
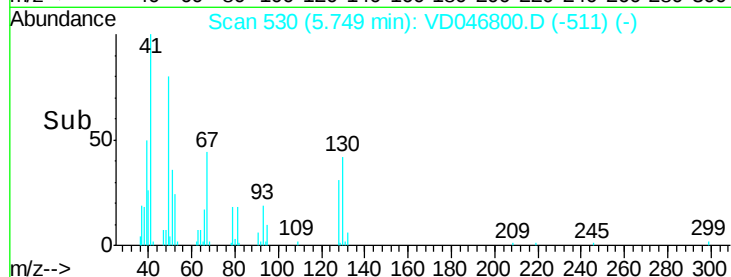
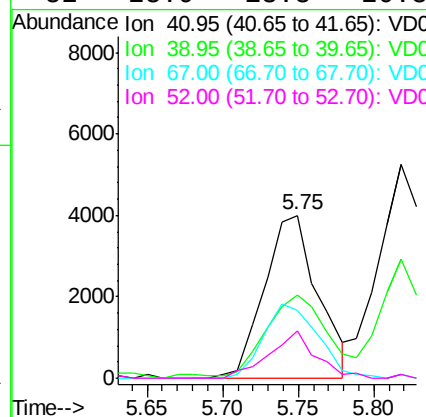
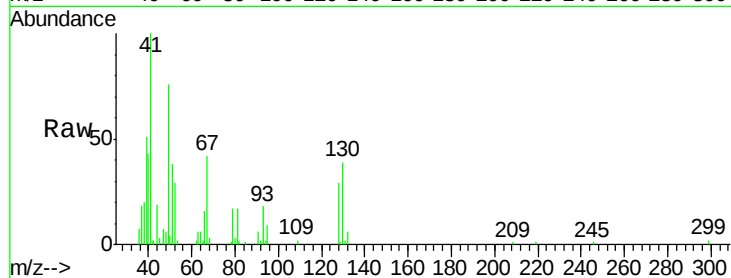




#41
Methacrylonitrile
Concen: 20.19 ug/l
RT: 5.75 min Scan# 530
Delta R.T. -0.02 min
Lab File: VD046800.D
Acq: 21 Sep 2015 12:08

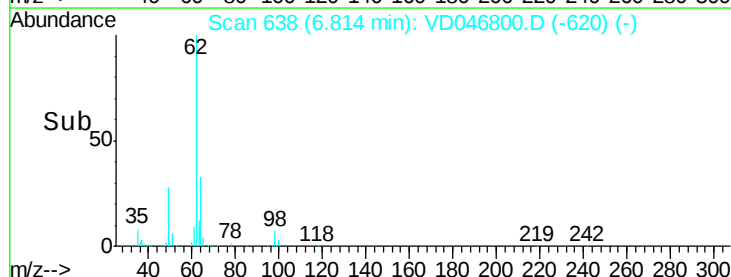
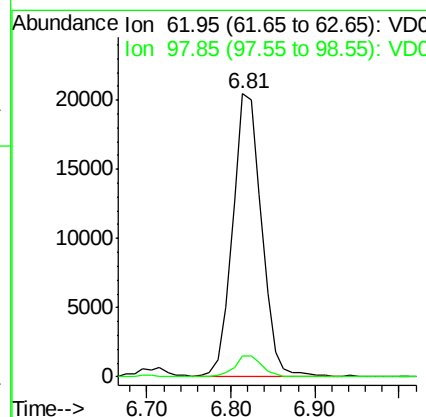
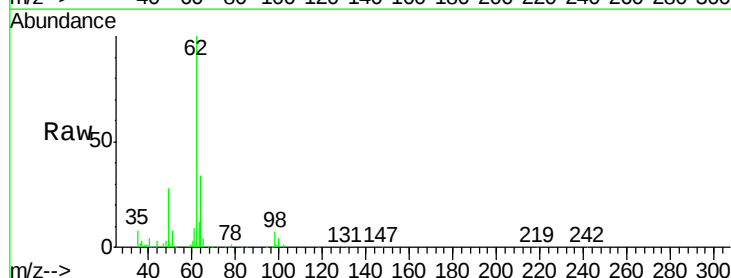
Instrument :
MSVOA_D
ClientSampleId :
VD0921SBS01

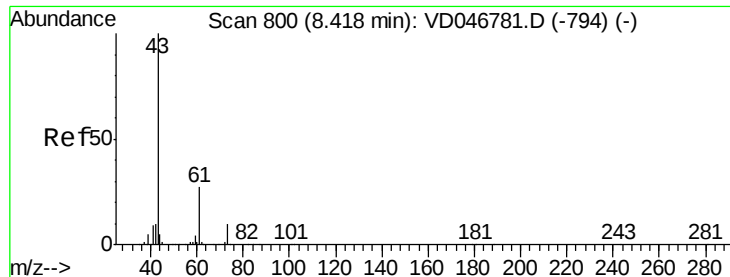
Tot Ion:	41	Resp:	9918
Ion	Ratio	Lower	Upper
41	100		
39	50.8	40.2	60.4
67	41.8	32.0	48.0
52	28.9	13.8	20.8#



#42
1,2-Dichloroethane
Concen: 22.62 ug/l
RT: 6.81 min Scan# 638
Delta R.T. -0.03 min
Lab File: VD046800.D
Acq: 21 Sep 2015 12:08

Tgt Ion:	62	Resp:	48909
Ion	Ratio	Lower	Upper
62	100		
98	7.3	0.0	16.2





#43

Isopropyl Acetate

Concen: 20.09 ug/l

RT: 8.40 min Scan# 799

Delta R.T. -0.02 min

Lab File: VD046800.D

Acq: 21 Sep 2015 12:08

Instrument :

MSVOA_D

ClientSampleId :

VD0921SBS01

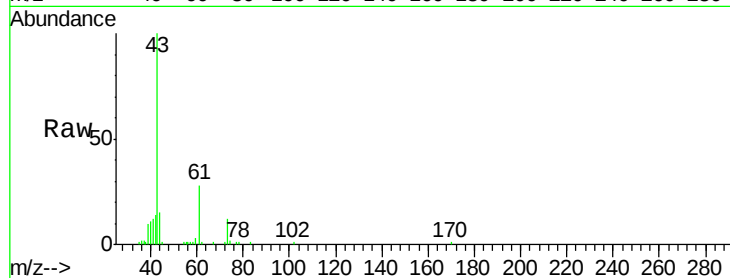
Tot Ion: 43 Resp: 23198

Ion Ratio Lower Upper

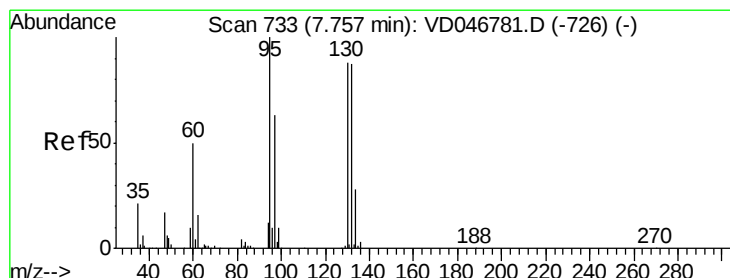
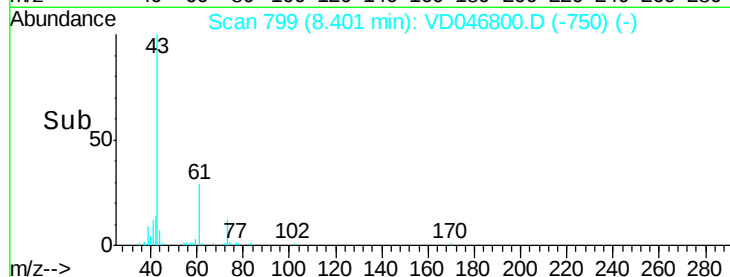
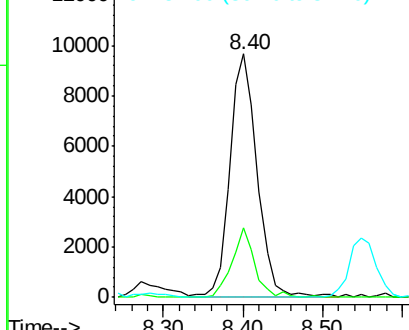
43 100

61 28.3 19.5 29.3

87 0.0 0.2 0.2#



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



#44

Trichloroethene

Concen: 21.41 ug/l

RT: 7.74 min Scan# 732

Delta R.T. -0.02 min

Lab File: VD046800.D

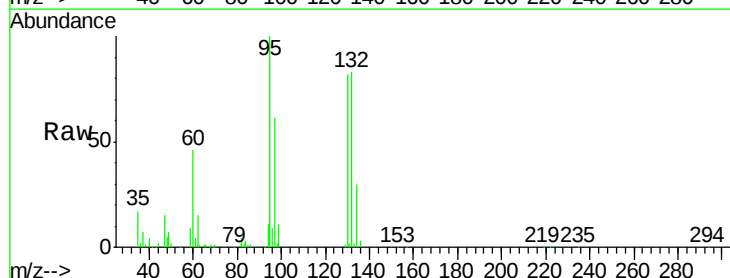
Acq: 21 Sep 2015 12:08

Tgt Ion:130 Resp: 37306

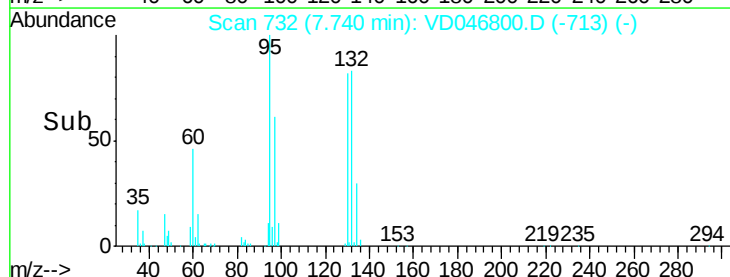
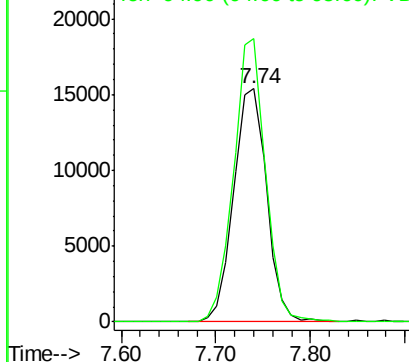
Ion Ratio Lower Upper

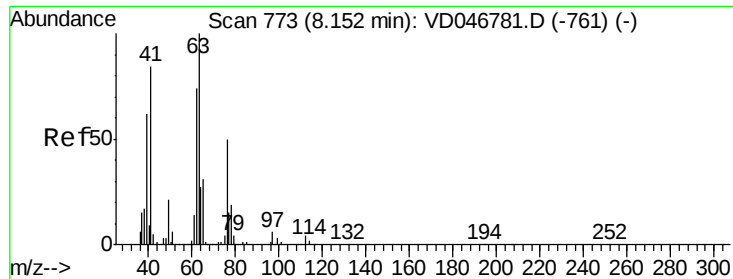
130 100

95 121.3 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: 21.66 ug/l

RT: 8.13 min Scan# 772

Delta R.T. -0.02 min

Lab File: VD046800.D

Acq: 21 Sep 2015 12:08

Instrument :

MSVOA_D

ClientSampleId :

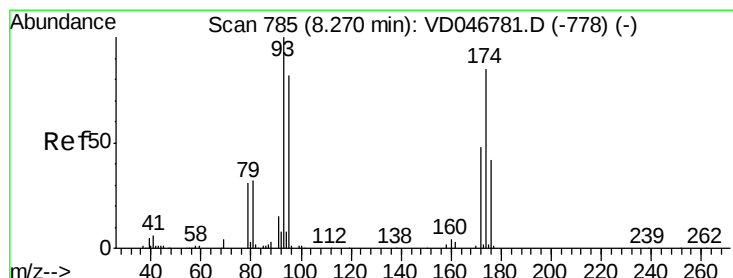
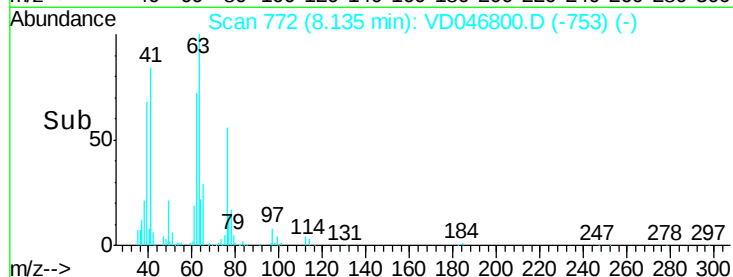
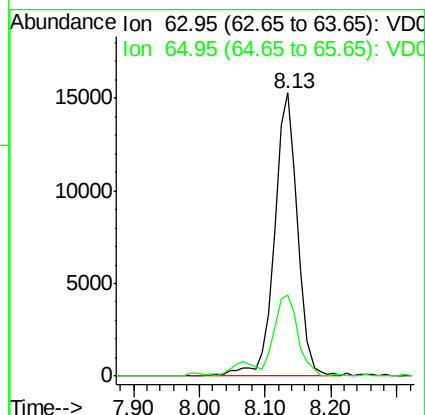
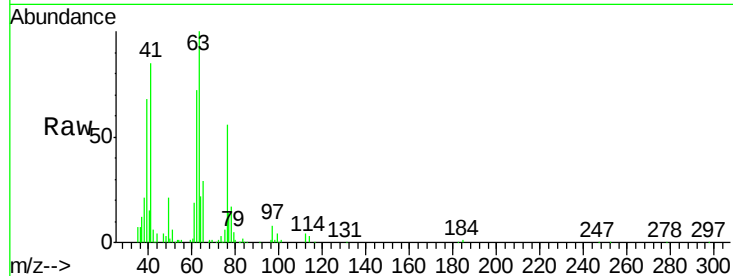
VD0921SBS01

Tot Ion: 63 Resp: 37351

Ion Ratio Lower Upper

63 100

65 28.7 25.1 37.7



#46

Dibromomethane

Concen: 21.12 ug/l

RT: 8.25 min Scan# 784

Delta R.T. -0.02 min

Lab File: VD046800.D

Acq: 21 Sep 2015 12:08

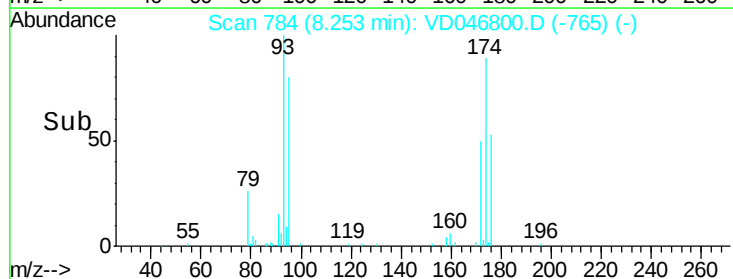
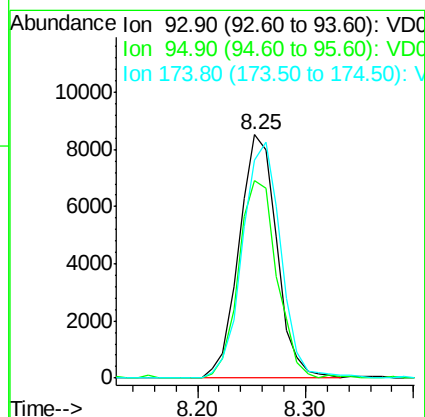
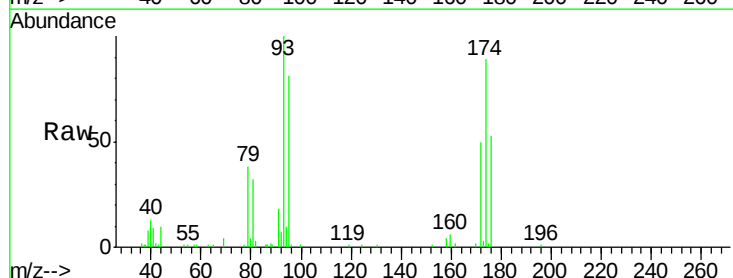
Tgt Ion: 93 Resp: 20686

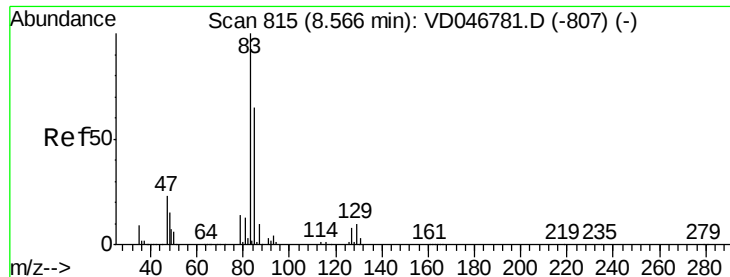
Ion Ratio Lower Upper

93 100

95 81.0 70.2 105.2

174 89.4 79.0 118.4





#47

Bromodichloromethane

Concen: 22.17 ug/l

RT: 8.55 min Scan# 814

Delta R.T. -0.02 min

Lab File: VD046800.D

Acq: 21 Sep 2015 12:08

Instrument :

MSVOA_D

ClientSampleId :

VD0921SBS01

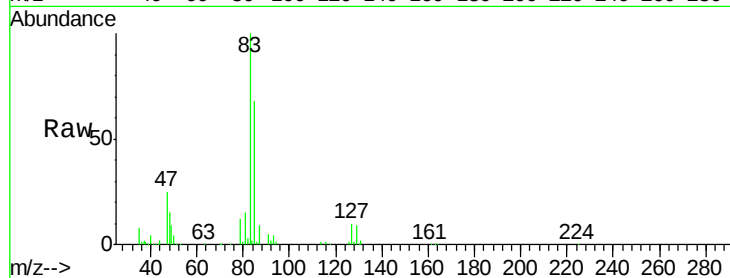
Tot Ion: 83 Resp: 56984

Ion Ratio Lower Upper

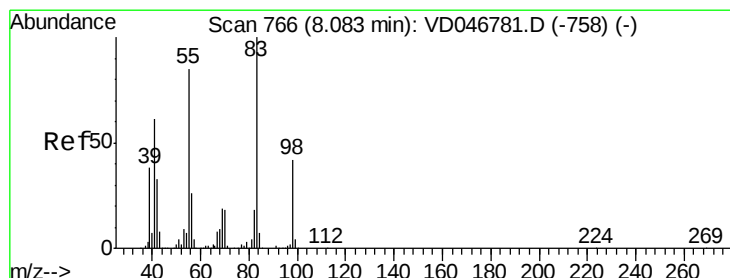
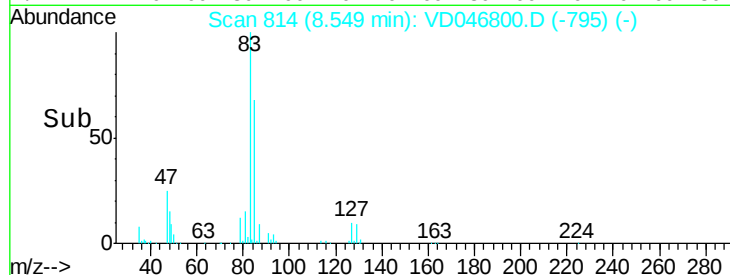
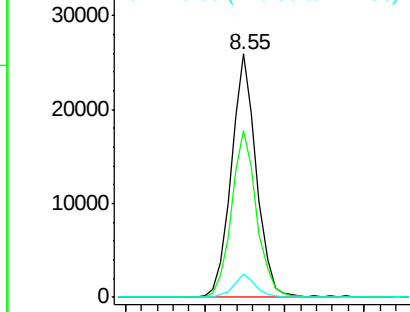
83 100

85 68.5 52.6 78.8

127 9.7 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: 23.41 ug/l

RT: 8.07 min Scan# 765

Delta R.T. -0.02 min

Lab File: VD046800.D

Acq: 21 Sep 2015 12:08

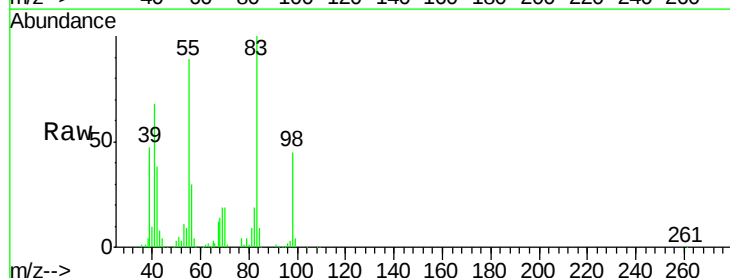
Tgt Ion: 41 Resp: 41326

Ion Ratio Lower Upper

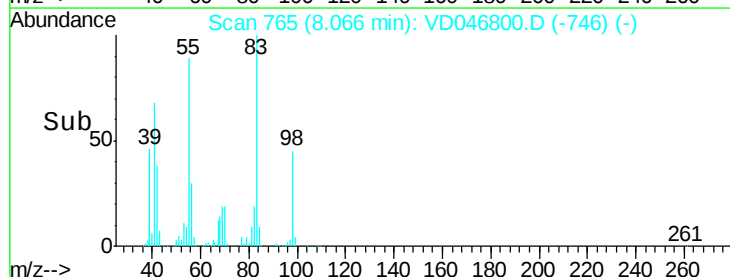
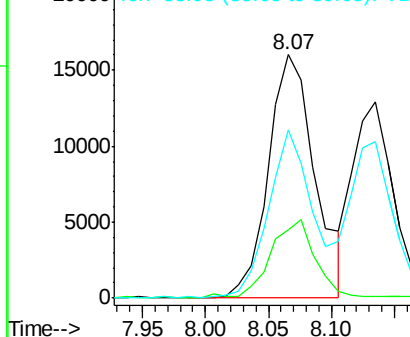
41 100

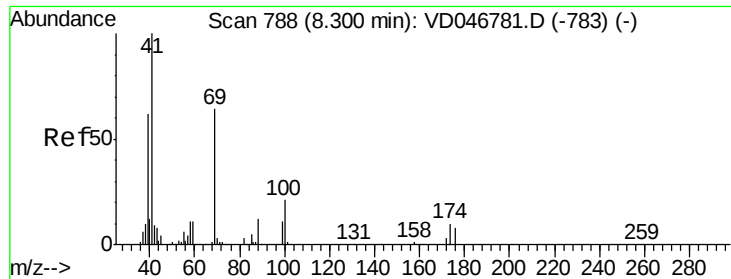
69 28.2 25.3 37.9

39 68.9 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

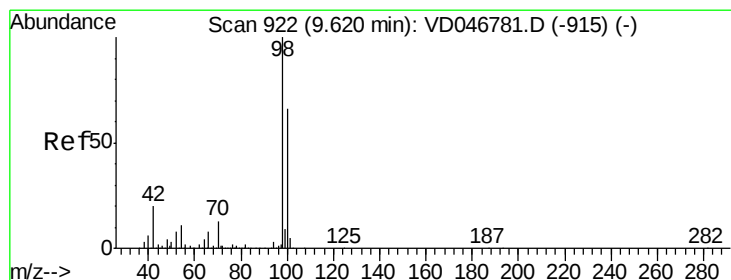
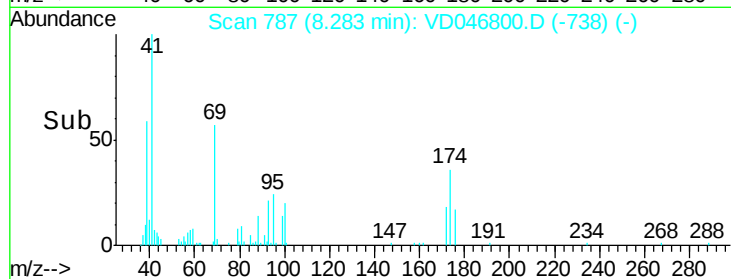
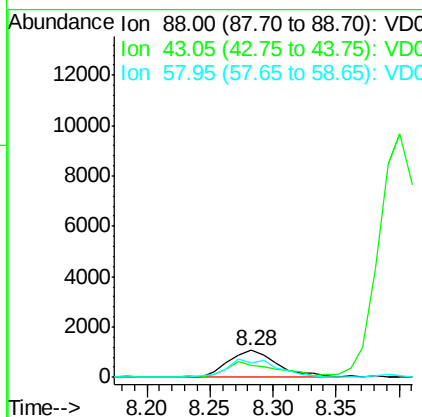
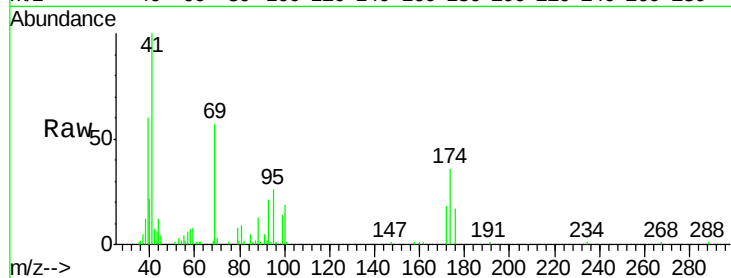




#49
 1,4-Dioxane
 Concen: 435.03 ug/l
 RT: 8.28 min Scan# 787
 Delta R.T. -0.02 min
 Lab File: VD046800.D
 Acq: 21 Sep 2015 12:08

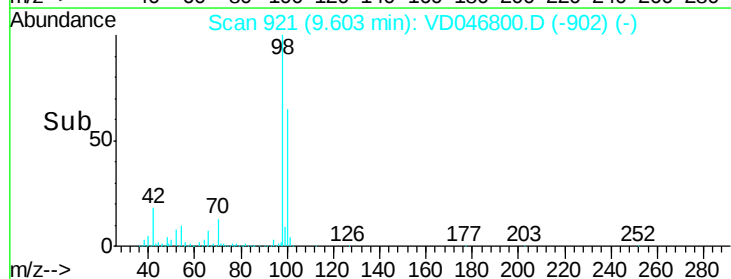
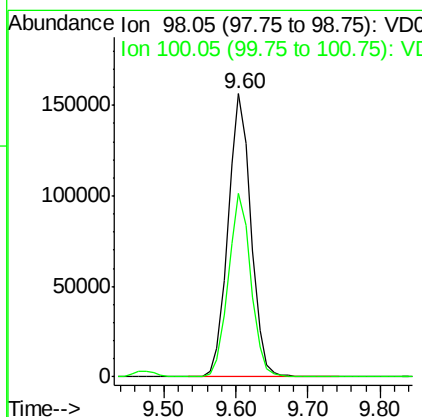
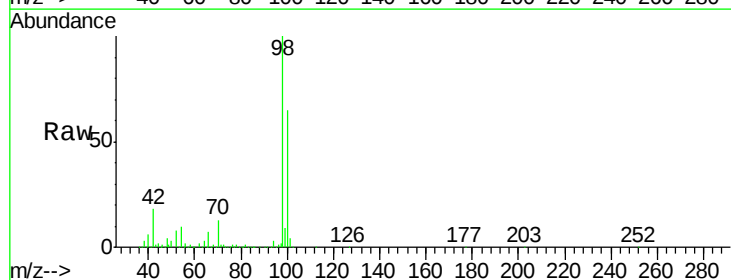
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0921SBS01

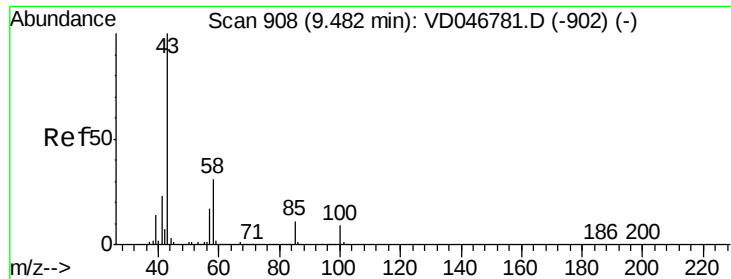
Tot Ion: 88 Resp: 2841
 Ion Ratio Lower Upper
 88 100
 43 44.3 50.0 75.0#
 58 53.7 48.3 72.5



#50
 Toluene-d8
 Concen: 435.03 ug/l
 RT: 9.60 min Scan# 921
 Delta R.T. -0.02 min
 Lab File: VD046800.D
 Acq: 21 Sep 2015 12:08

Tgt Ion: 98 Resp: 345917
 Ion Ratio Lower Upper
 98 100
 100 64.8 49.9 74.9





#51

4-Methyl-2-Pentanone

Concen: 104.74 ug/l

RT: 9.48 min Scan# 908

Delta R.T. -0.01 min

Lab File: VD046800.D

Acq: 21 Sep 2015 12:08

Instrument :

MSVOA_D

ClientSampleId :

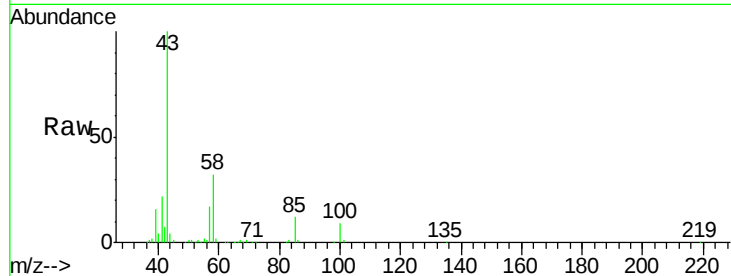
VD0921SBS01

Tot Ion: 43 Resp: 87388

Ion Ratio Lower Upper

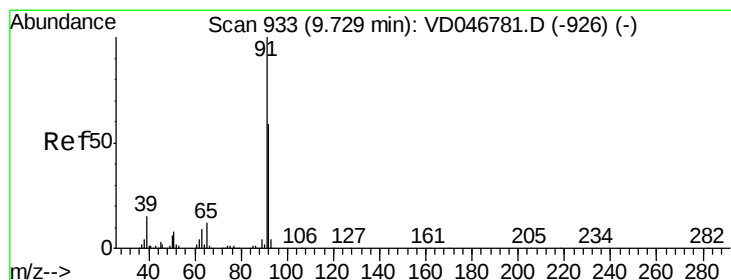
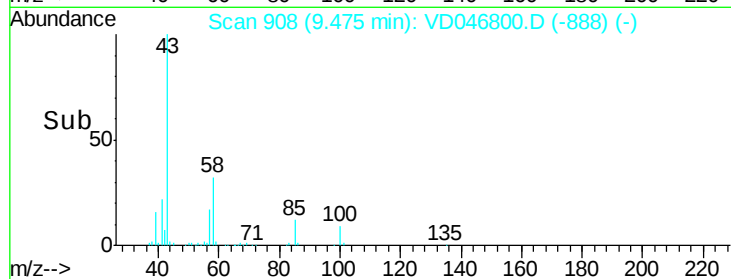
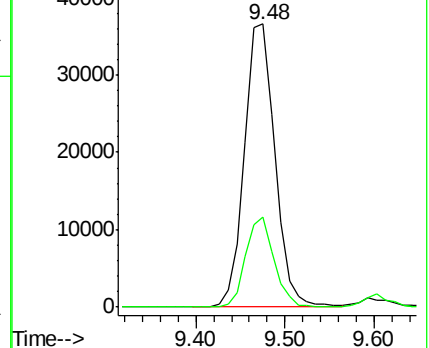
43 100

58 32.0 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: 22.47 ug/l

RT: 9.71 min Scan# 932

Delta R.T. -0.02 min

Lab File: VD046800.D

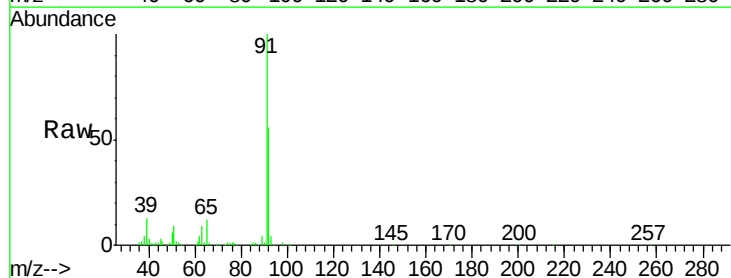
Acq: 21 Sep 2015 12:08

Tgt Ion: 92 Resp: 96486

Ion Ratio Lower Upper

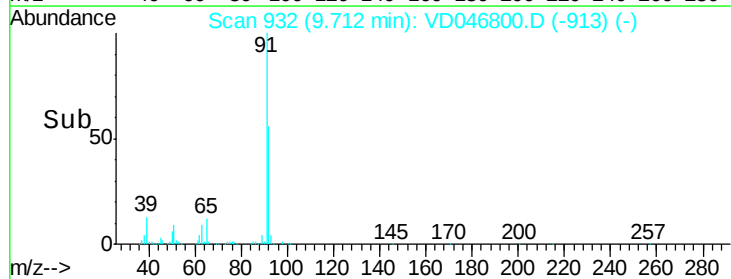
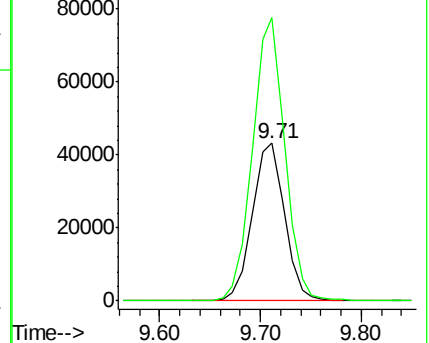
92 100

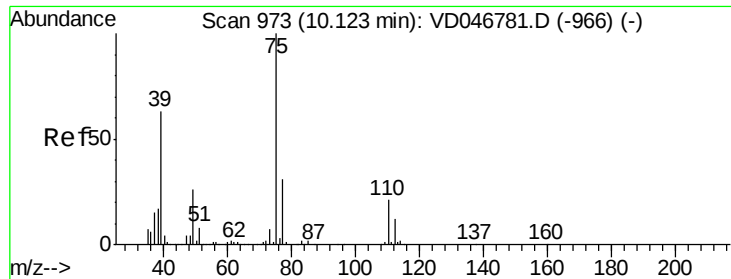
91 179.3 139.4 209.0



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: 21.42 ug/l

RT: 10.11 min Scan# 972

Delta R.T. -0.02 min

Lab File: VD046800.D

Acq: 21 Sep 2015 12:08

Instrument :

MSVOA_D

ClientSampleId :

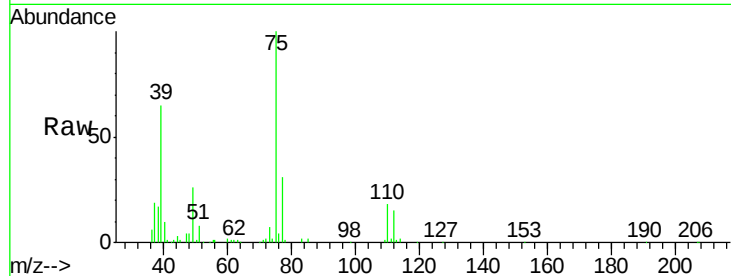
VD0921SBS01

Tot Ion: 75 Resp: 40653

Ion Ratio Lower Upper

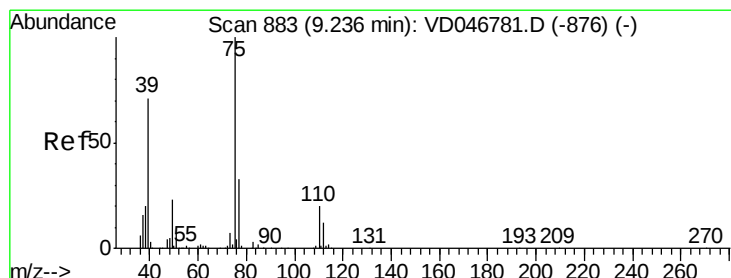
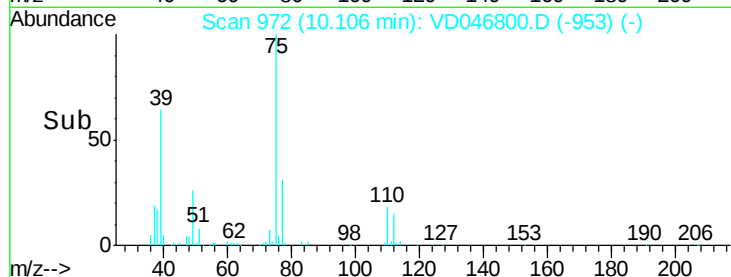
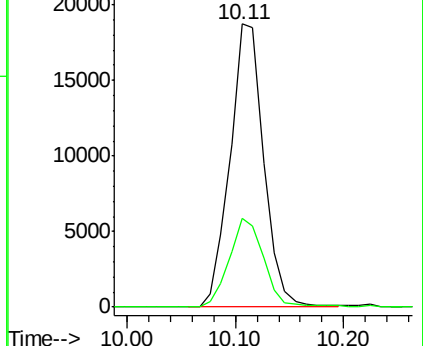
75 100

77 31.3 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: 21.79 ug/l

RT: 9.22 min Scan# 882

Delta R.T. -0.02 min

Lab File: VD046800.D

Acq: 21 Sep 2015 12:08

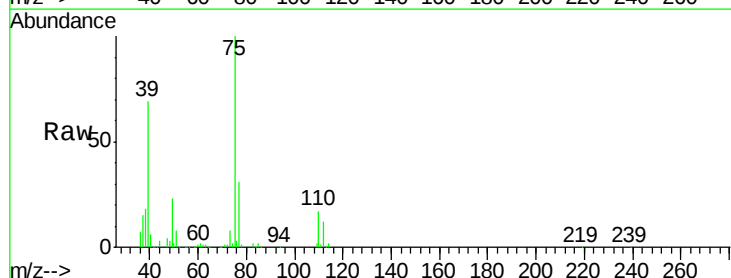
Tgt Ion: 75 Resp: 53263

Ion Ratio Lower Upper

75 100

77 31.1 23.8 35.6

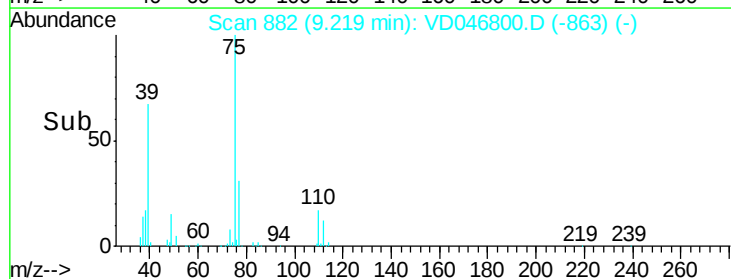
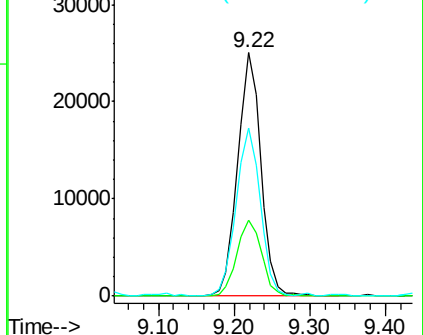
39 68.9 53.0 79.6

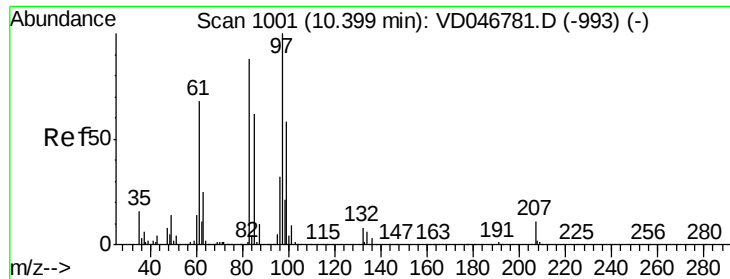


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

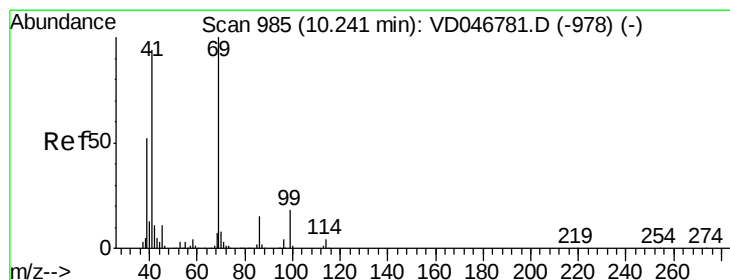
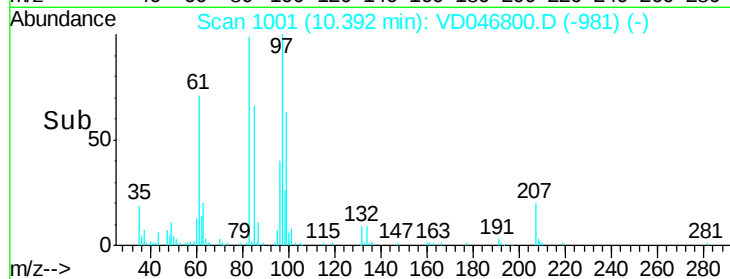
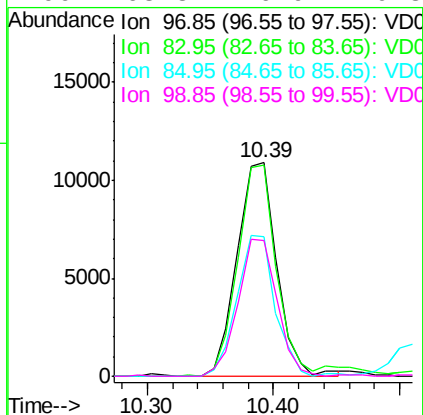
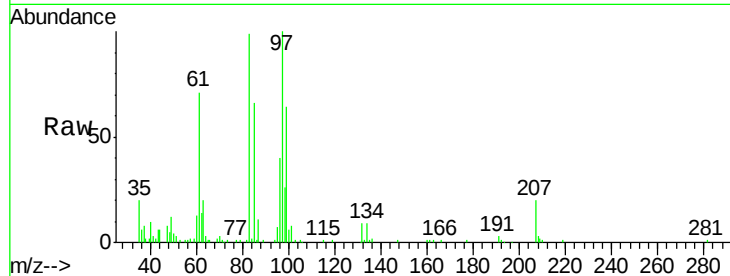




#55
 1,1,2-Trichloroethane
 Concen: 21.51 ug/l
 RT: 10.39 min Scan# 1001
 Delta R.T. -0.01 min
 Lab File: VD046800.D
 Acq: 21 Sep 2015 12:08

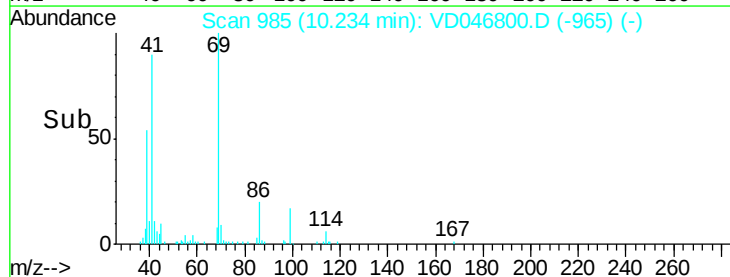
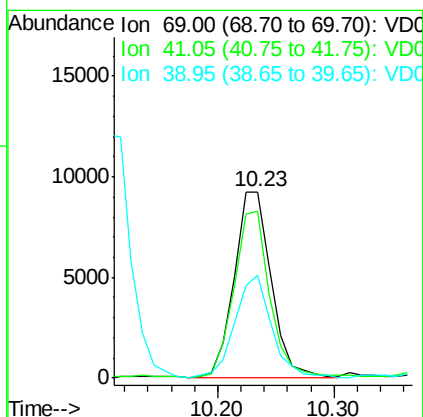
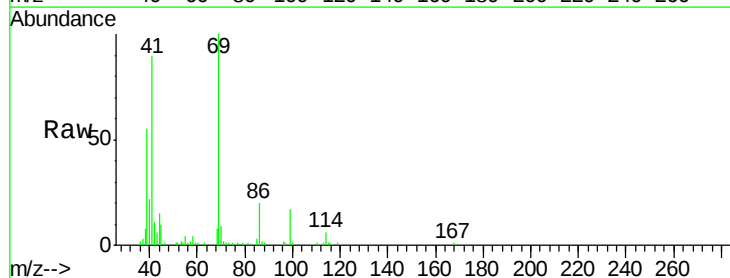
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0921SBS01

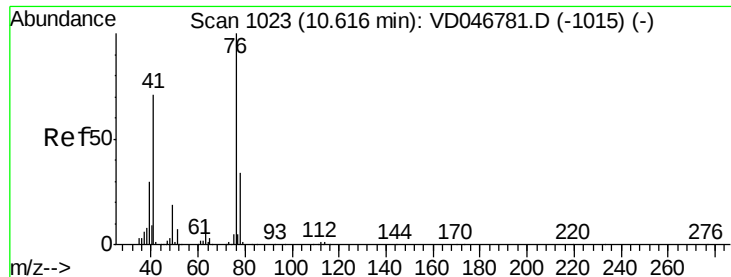
Tot Ion:	97	Resp:	23919
Ion	Ratio	Lower	Upper
97	100		
83	98.6	75.3	112.9
85	65.5	50.9	76.3
99	63.8	46.9	70.3



#56
 Ethyl methacrylate
 Concen: 20.27 ug/l
 RT: 10.23 min Scan# 985
 Delta R.T. -0.01 min
 Lab File: VD046800.D
 Acq: 21 Sep 2015 12:08

Tgt Ion:	69	Resp:	20505
Ion	Ratio	Lower	Upper
69	100		
41	89.6	75.4	113.0
39	55.0	41.0	61.4

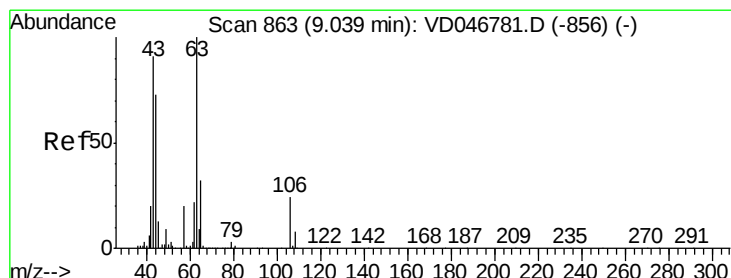
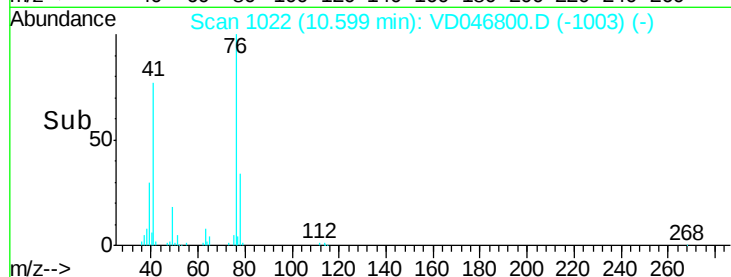
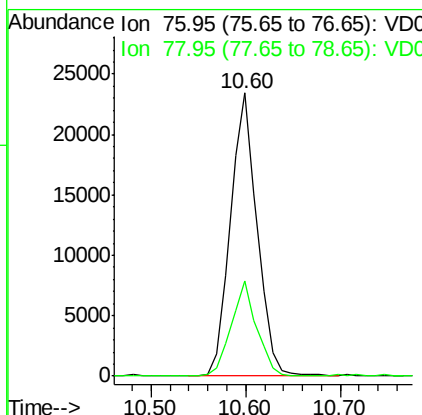
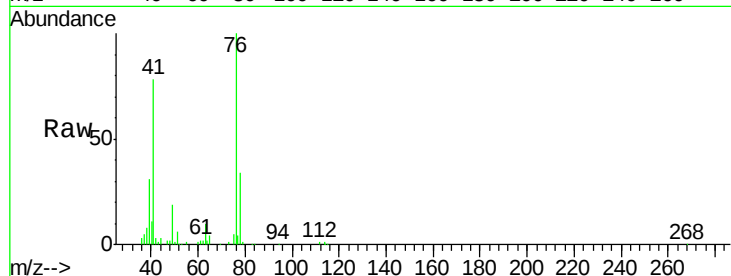




#57
 1,3-Dichloropropane
 Concen: 22.10 ug/l
 RT: 10.60 min Scan# 1022
 Delta R.T. -0.02 min
 Lab File: VD046800.D
 Acq: 21 Sep 2015 12:08

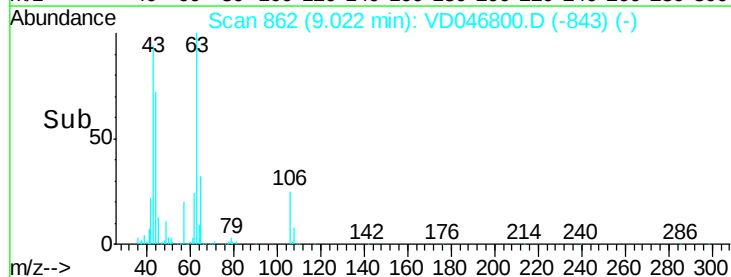
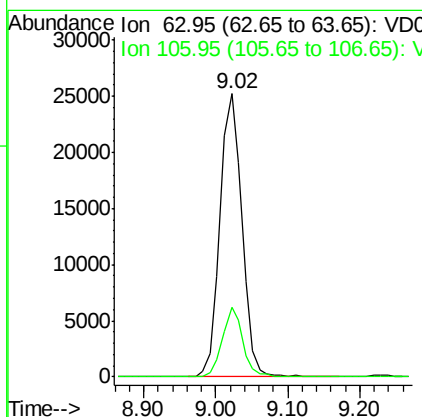
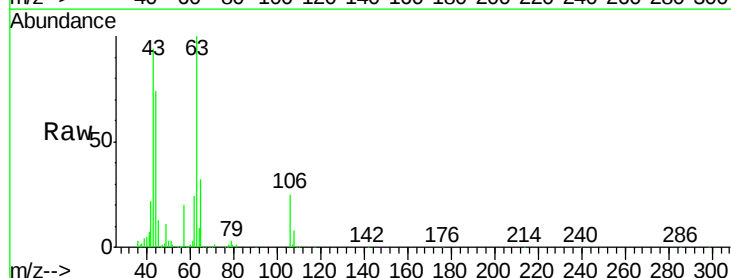
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0921SBS01

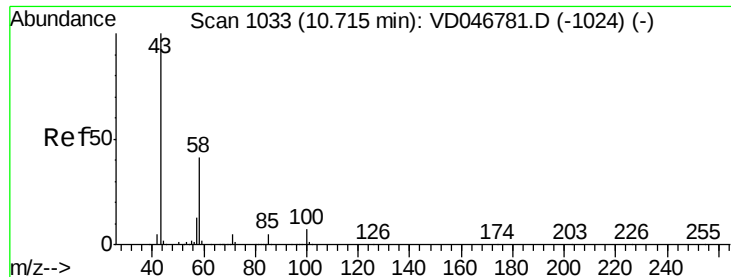
Tot Ion: 76 Resp: 45687
 Ion Ratio Lower Upper
 76 100
 78 33.9 26.6 39.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 100.59 ug/l
 RT: 9.02 min Scan# 862
 Delta R.T. -0.02 min
 Lab File: VD046800.D
 Acq: 21 Sep 2015 12:08

Tgt Ion: 63 Resp: 53017
 Ion Ratio Lower Upper
 63 100
 106 24.8 17.8 26.8





#59

2-Hexanone

Concen: 104.49 ug/l

RT: 10.70 min Scan# 1032

Delta R.T. -0.02 min

Lab File: VD046800.D

Acq: 21 Sep 2015 12:08

Instrument :

MSVOA_D

ClientSampleId :

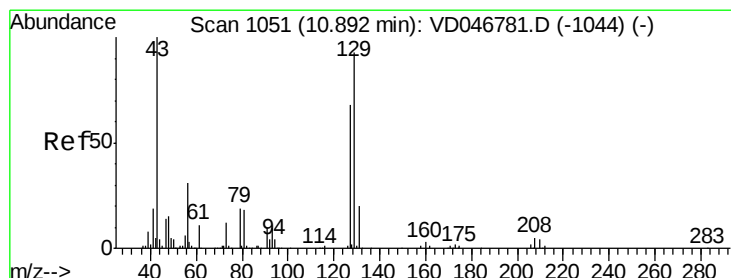
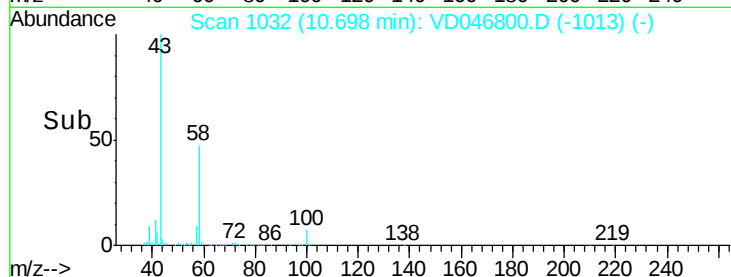
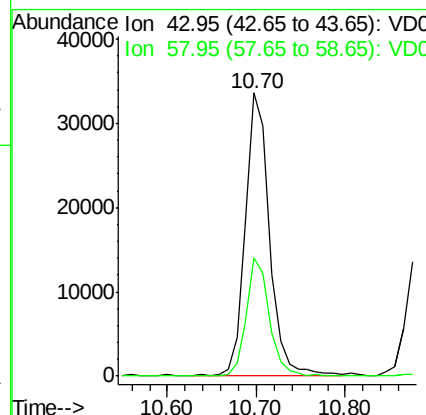
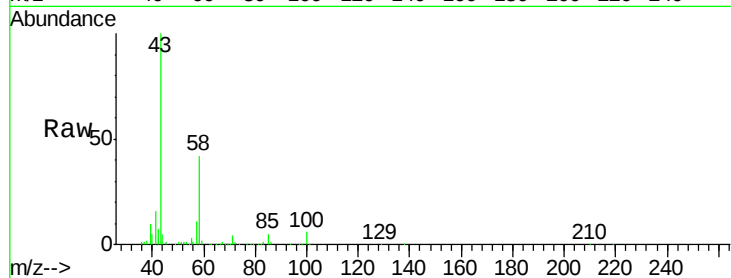
VD0921SBS01

Tot Ion: 43 Resp: 62985

Ion Ratio Lower Upper

43 100

58 41.6 18.6 55.8



#60

Dibromochloromethane

Concen: 22.70 ug/l

RT: 10.87 min Scan# 1050

Delta R.T. -0.02 min

Lab File: VD046800.D

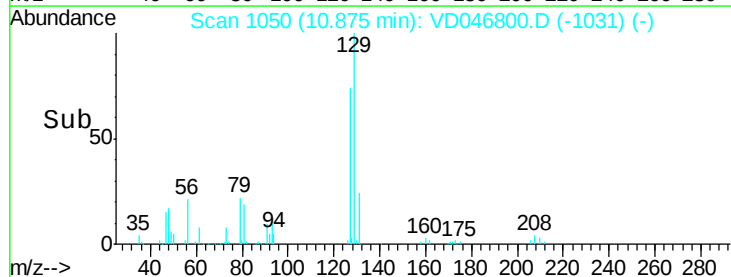
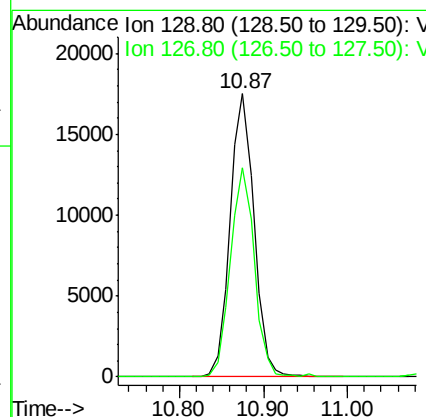
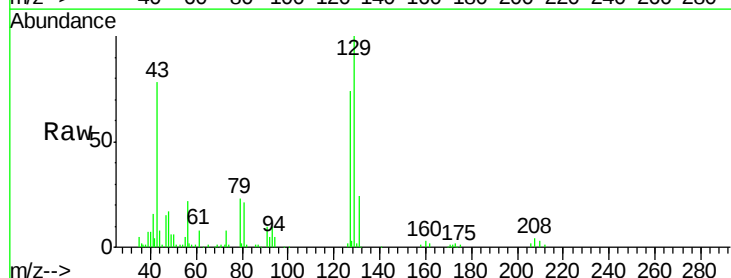
Acq: 21 Sep 2015 12:08

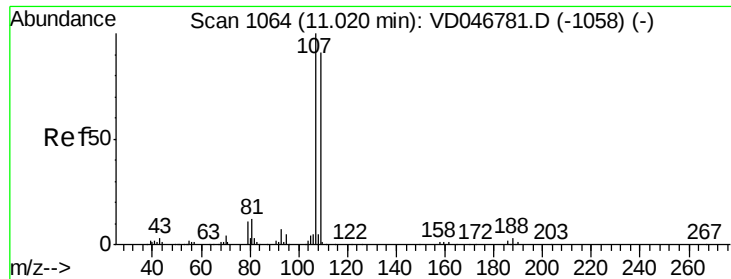
Tgt Ion: 129 Resp: 34644

Ion Ratio Lower Upper

129 100

127 73.9 38.2 114.6





#61

1,2-Dibromoethane

Concen: 21.14 ug/l

RT: 11.01 min Scan# 1064

Delta R.T. -0.01 min

Lab File: VD046800.D

Acq: 21 Sep 2015 12:08

Instrument :

MSVOA_D

ClientSampleId :

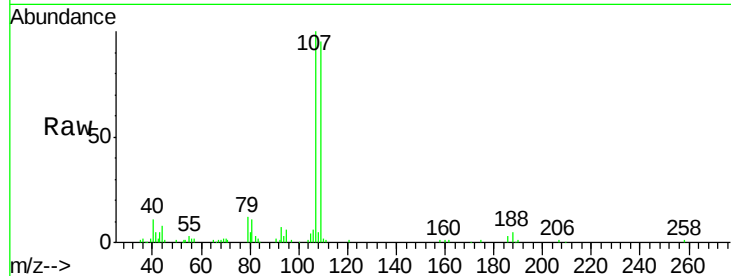
VD0921SBS01

Tot Ion:107 Resp: 23202

Ion Ratio Lower Upper

107 100

109 94.7 71.4 107.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

11.01

15000

10000

5000

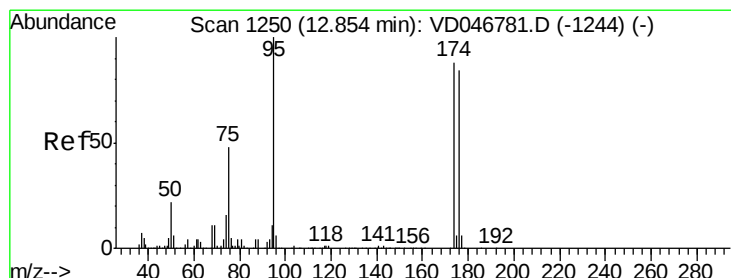
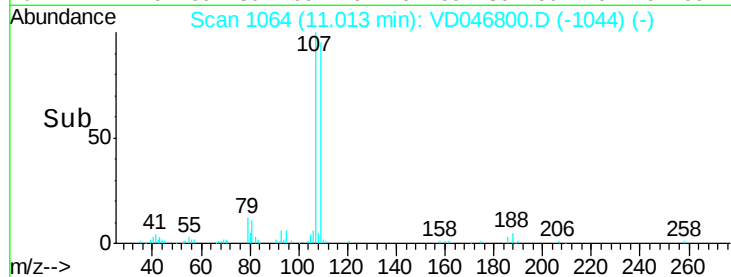
0

Time-->

10.90

11.00

11.10



#62

4-Bromofluorobenzene

Concen: 21.14 ug/l

RT: 12.84 min Scan# 1249

Delta R.T. -0.02 min

Lab File: VD046800.D

Acq: 21 Sep 2015 12:08

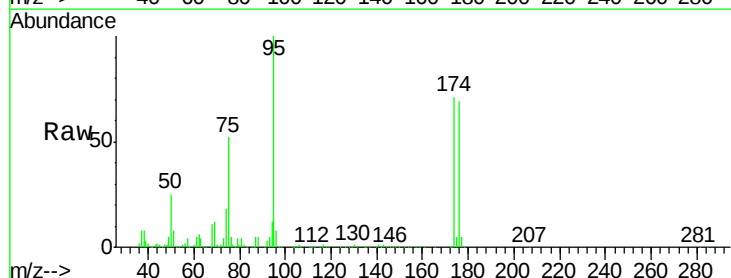
Tgt Ion: 95 Resp: 135219

Ion Ratio Lower Upper

95 100

174 70.7 0.0 149.8

176 69.4 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

12.84

100000

80000

60000

40000

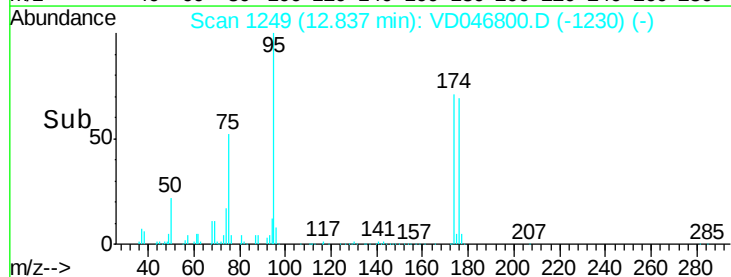
20000

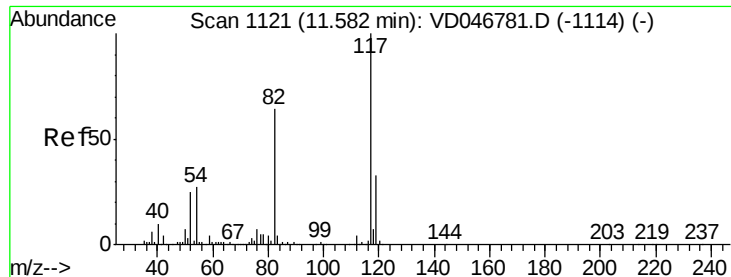
0

Time-->

12.80

12.90

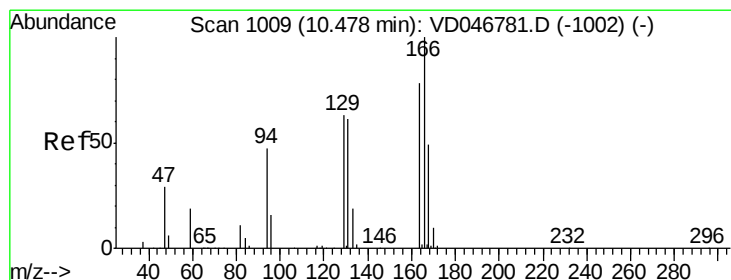
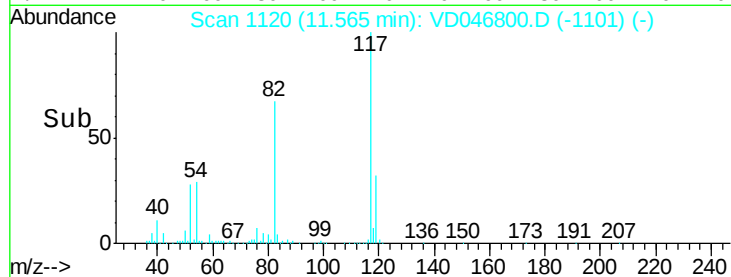
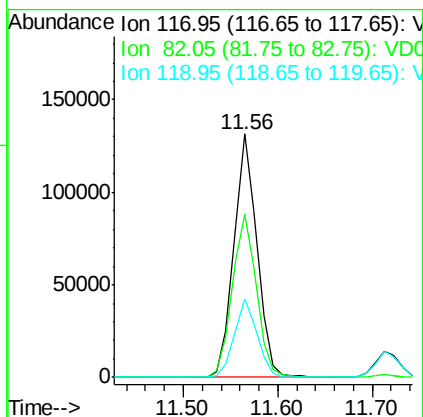
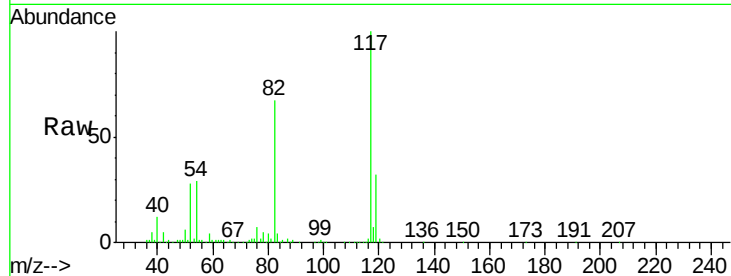




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.56 min Scan# 1120
Delta R.T. -0.02 min
Lab File: VD046800.D
Acq: 21 Sep 2015 12:08

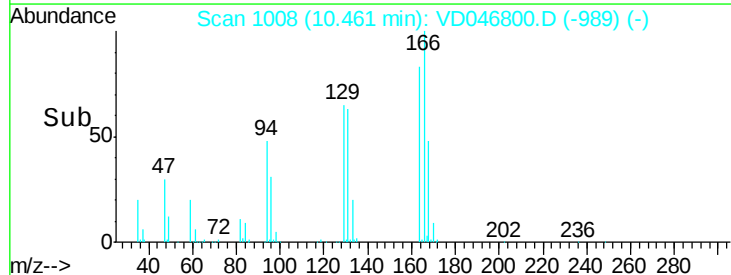
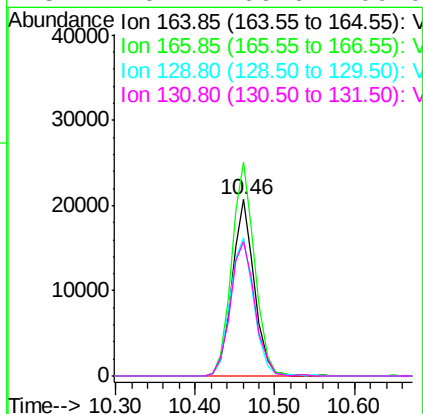
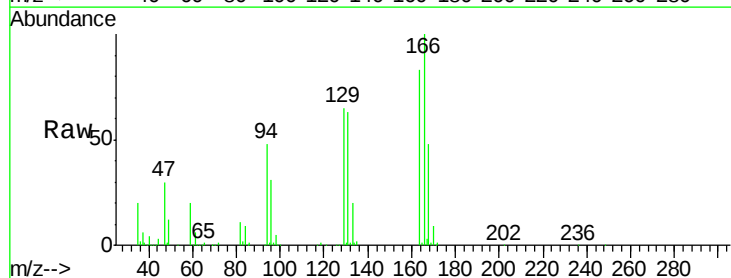
Instrument :
MSVOA_D
ClientSampleId :
VD0921SBS01

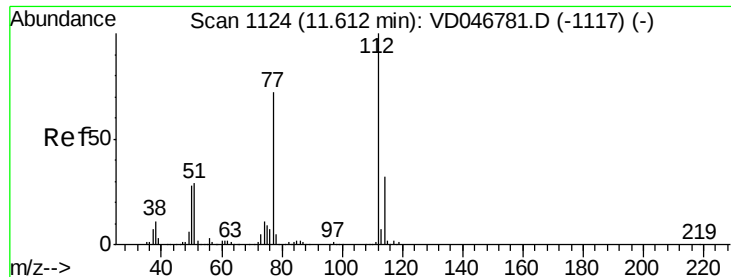
Tot Ion:117 Resp: 223029
Ion Ratio Lower Upper
117 100
82 66.7 50.6 75.8
119 32.1 25.8 38.8



#64
Tetrachloroethene
Concen: 22.44 ug/l
RT: 10.46 min Scan# 1008
Delta R.T. -0.02 min
Lab File: VD046800.D
Acq: 21 Sep 2015 12:08

Tgt Ion:164 Resp: 40412
Ion Ratio Lower Upper
164 100
166 121.2 106.8 160.2
129 78.4 70.6 106.0
131 76.1 66.6 100.0

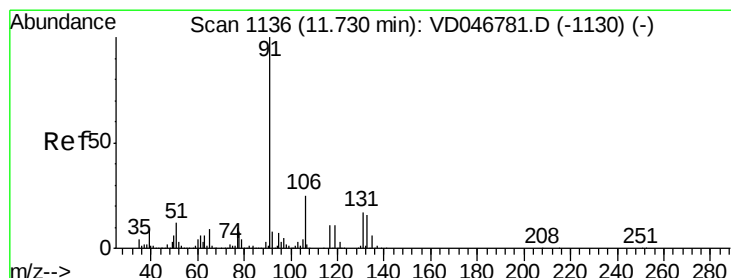
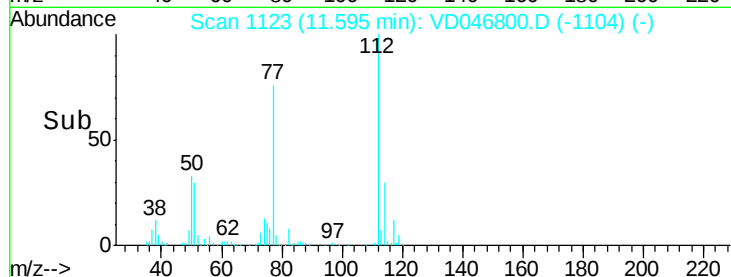
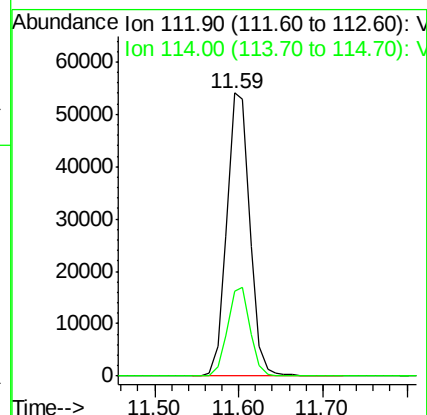
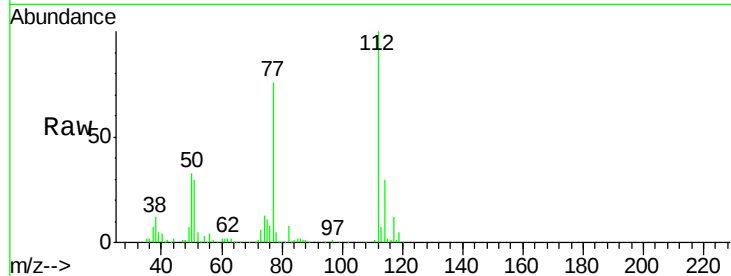




#65
Chlorobenzene
Concen: 21.81 ug/l
RT: 11.59 min Scan# 1123
Delta R.T. -0.02 min
Lab File: VD046800.D
Acq: 21 Sep 2015 12:08

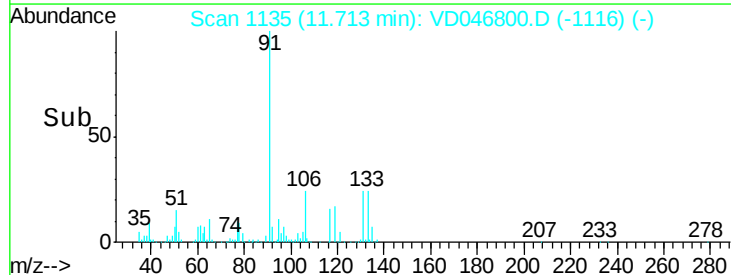
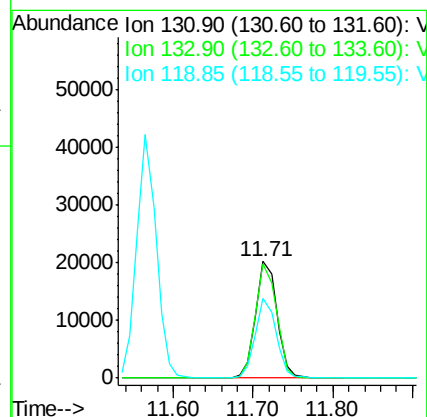
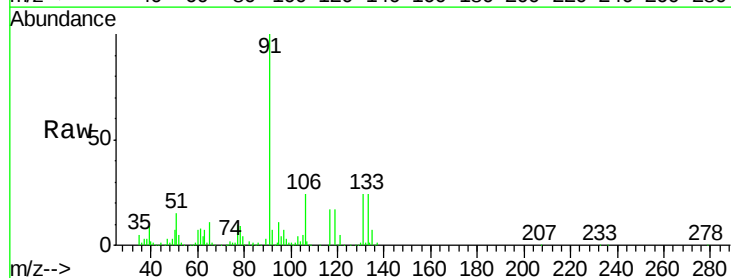
Instrument :
MSVOA_D
ClientSampleId :
VD0921SBS01

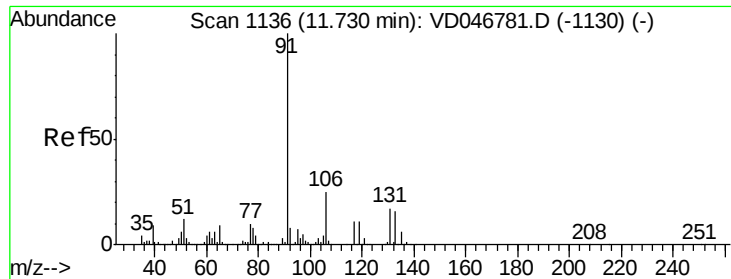
Tot Ion:112 Resp: 102371
Ion Ratio Lower Upper
112 100
114 30.1 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 21.84 ug/l
RT: 11.71 min Scan# 1135
Delta R.T. -0.02 min
Lab File: VD046800.D
Acq: 21 Sep 2015 12:08

Tgt Ion:131 Resp: 37652
Ion Ratio Lower Upper
131 100
133 98.3 48.4 145.0
119 68.4 31.5 94.5





#67

Ethyl Benzene

Concen: 22.20 ug/l

RT: 11.72 min Scan# 1136

Delta R.T. -0.01 min

Lab File: VD046800.D

Acq: 21 Sep 2015 12:08

Instrument :

MSVOA_D

ClientSampleId :

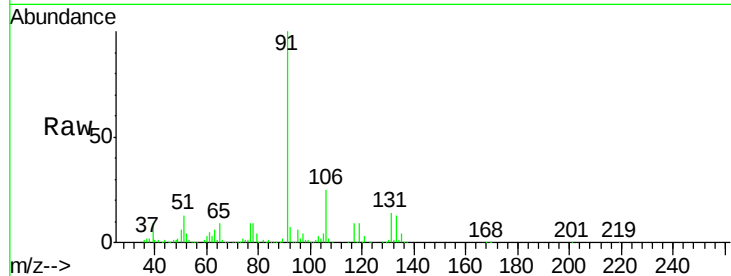
VD0921SBS01

Tot Ion: 91 Resp: 209396

Ion Ratio Lower Upper

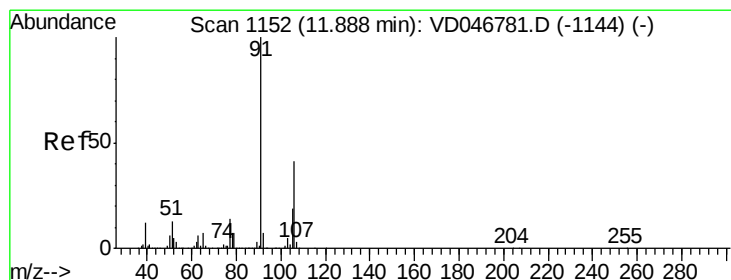
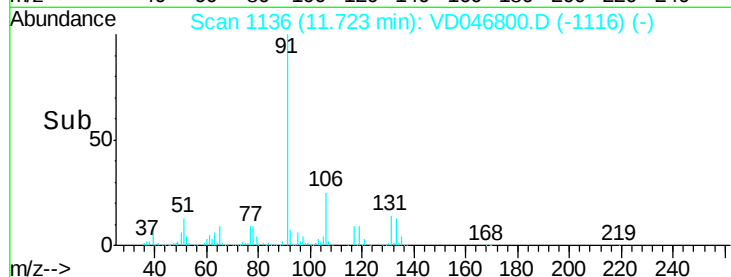
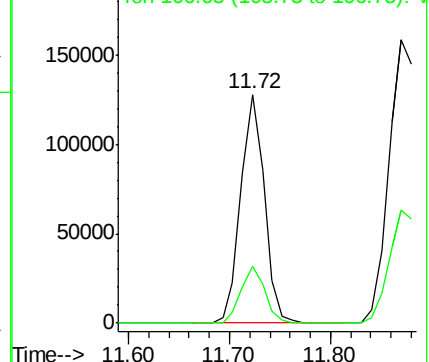
91 100

106 25.1 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: 45.93 ug/l

RT: 11.87 min Scan# 1151

Delta R.T. -0.02 min

Lab File: VD046800.D

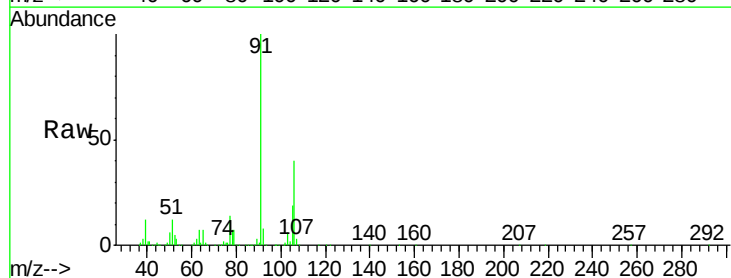
Acq: 21 Sep 2015 12:08

Tgt Ion:106 Resp: 136623

Ion Ratio Lower Upper

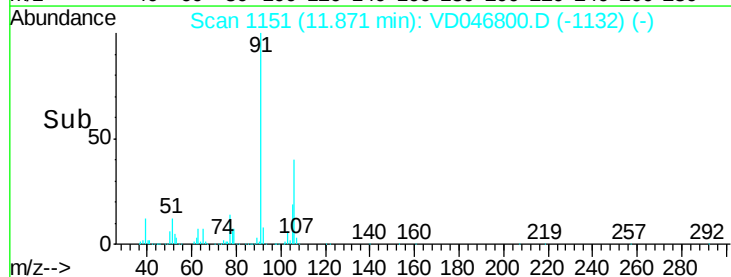
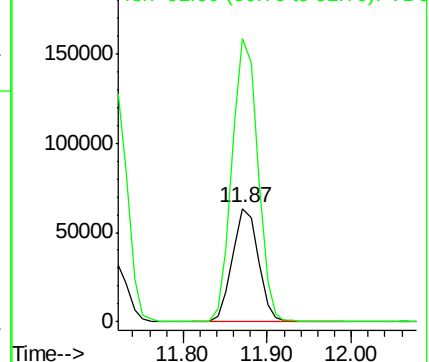
106 100

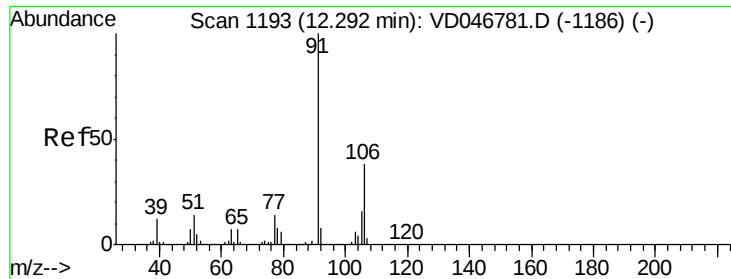
91 250.1 187.9 281.9



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): VDC

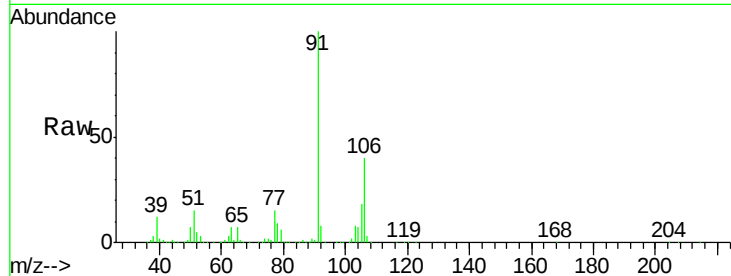




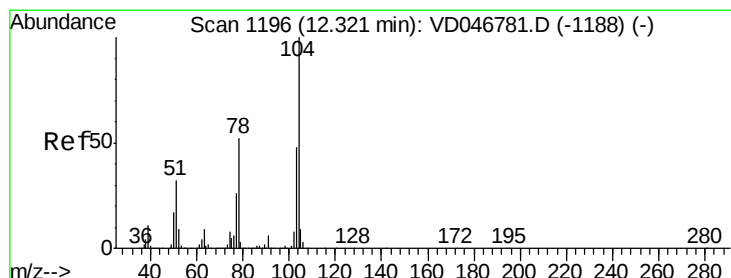
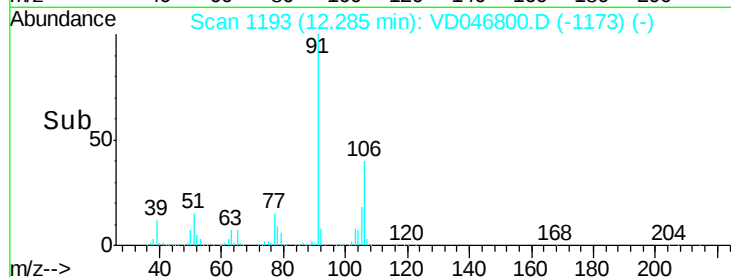
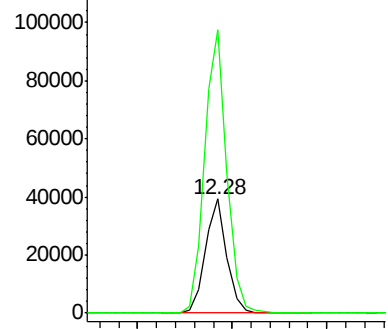
#69
o-Xylene
Concen: 22.94 ug/l
RT: 12.28 min Scan# 1193
Delta R.T. -0.01 min
Lab File: VD046800.D
Acq: 21 Sep 2015 12:08

Instrument :
MSVOA_D
ClientSampleId :
VD0921SBS01

Tot Ion:106 Resp: 61432
Ion Ratio Lower Upper
106 100
91 248.2 124.8 374.5

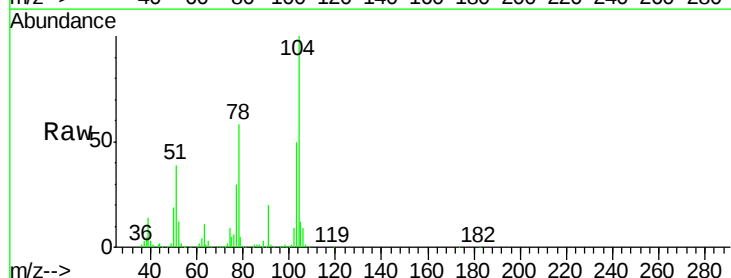


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

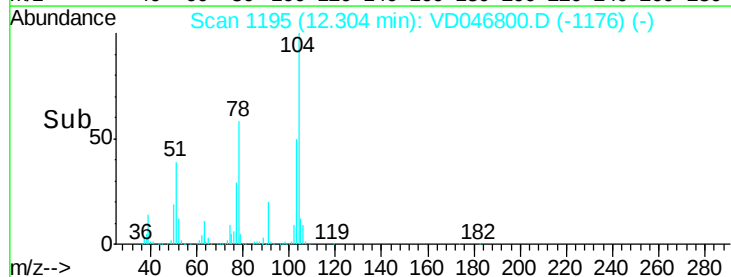
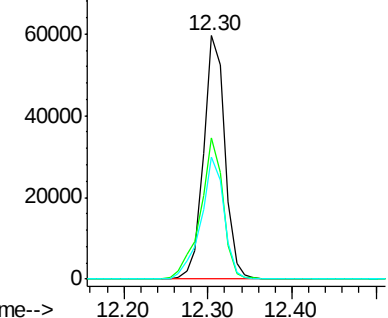


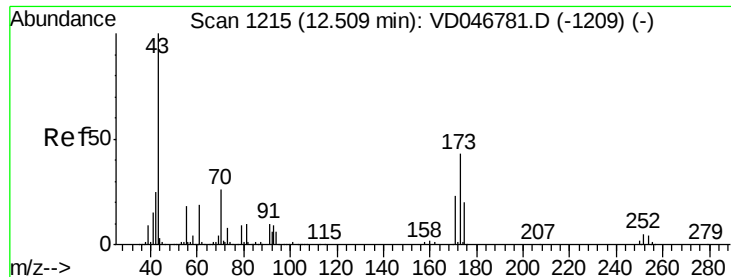
#70
Styrene
Concen: 22.57 ug/l
RT: 12.30 min Scan# 1195
Delta R.T. -0.02 min
Lab File: VD046800.D
Acq: 21 Sep 2015 12:08

Tgt Ion:104 Resp: 104772
Ion Ratio Lower Upper
104 100
78 58.0 44.5 66.7
103 50.2 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

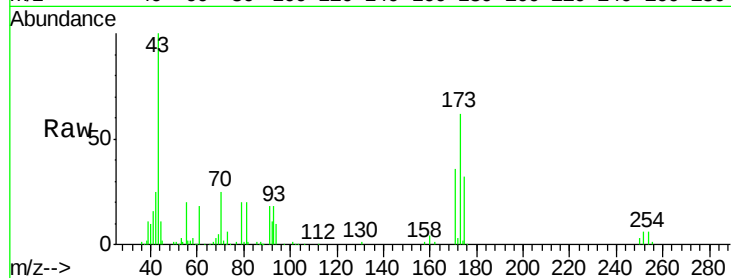




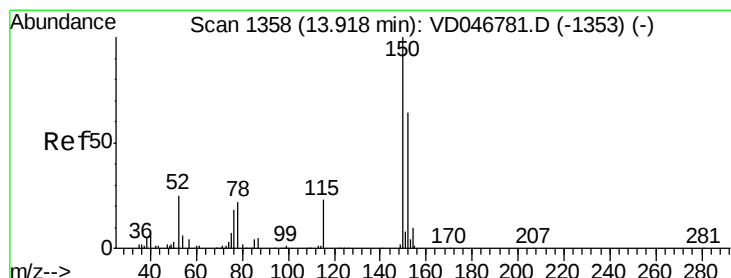
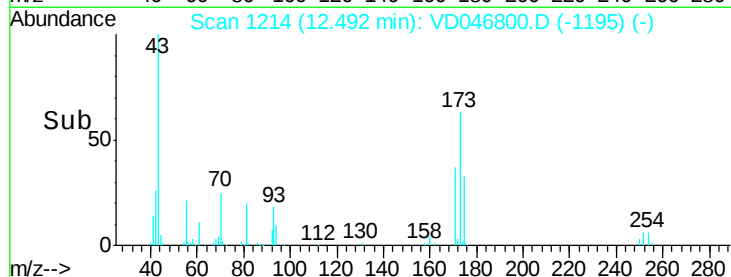
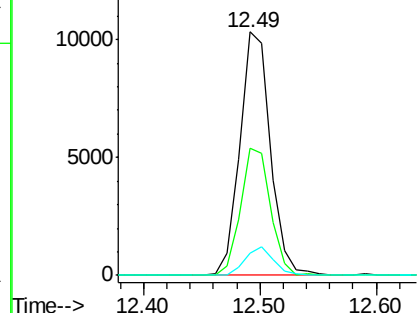
#71
Bromoform
Concen: 20.41 ug/l
RT: 12.49 min Scan# 1214
Delta R.T. -0.02 min
Lab File: VD046800.D
Acq: 21 Sep 2015 12:08

Instrument :
MSVOA_D
ClientSampleId :
VD0921SBS01

Tot Ion:173 Resp: 18745
Ion Ratio Lower Upper
173 100
175 52.0 23.1 69.3
254 9.1 8.7 13.1

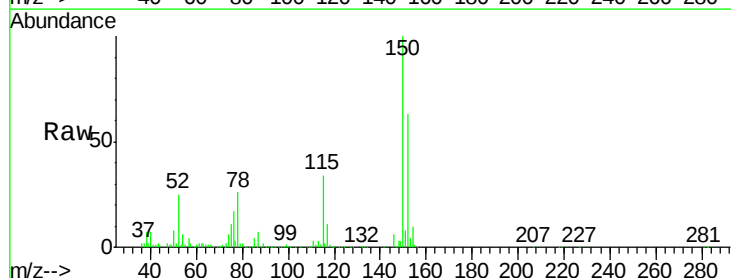


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

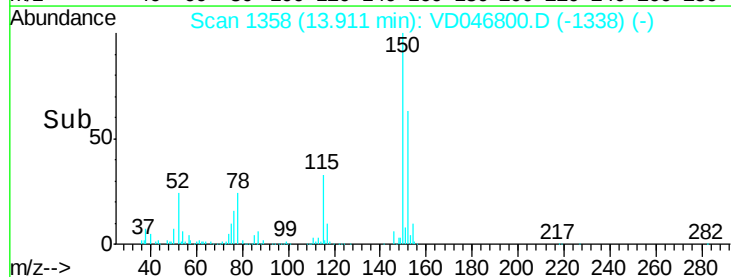
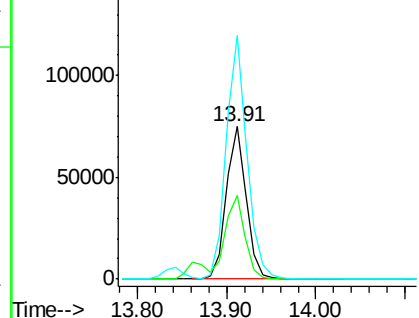


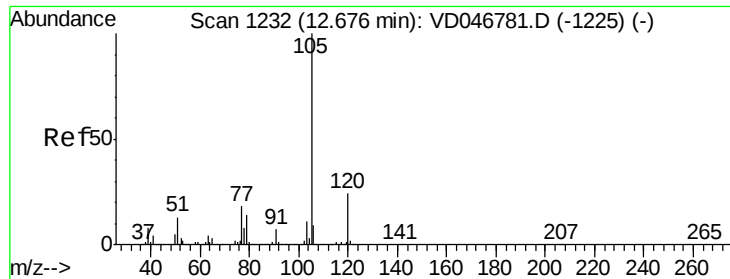
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.91 min Scan# 1358
Delta R.T. -0.01 min
Lab File: VD046800.D
Acq: 21 Sep 2015 12:08

Tgt Ion:152 Resp: 119246
Ion Ratio Lower Upper
152 100
115 54.5 26.2 78.6
150 159.7 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: 22.26 ug/l

RT: 12.66 min Scan# 1231

Delta R.T. -0.02 min

Lab File: VD046800.D

Acq: 21 Sep 2015 12:08

Instrument :

MSVOA_D

ClientSampleId :

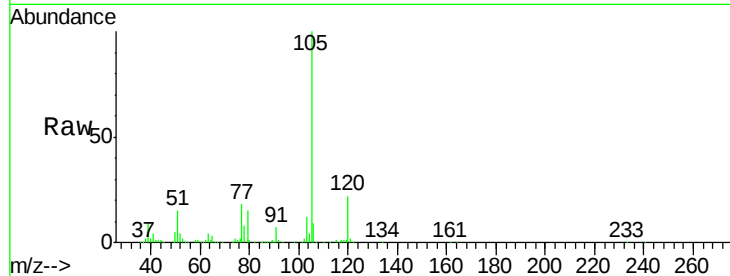
VD0921SBS01

Tot Ion:105 Resp: 187129

Ion Ratio Lower Upper

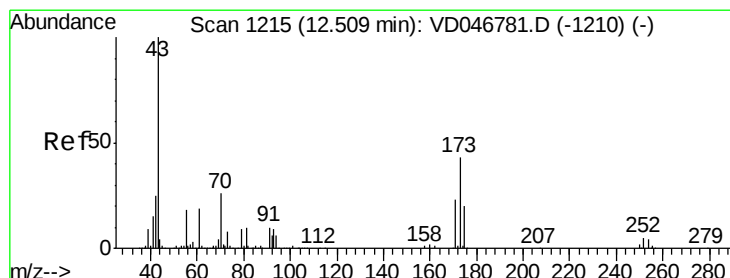
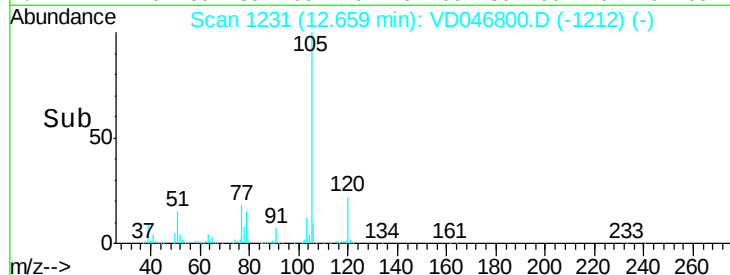
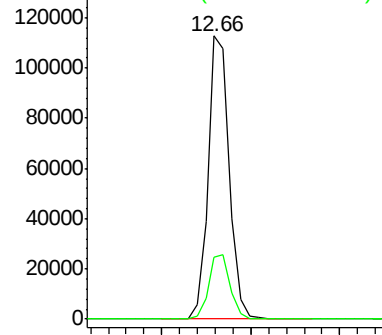
105 100

120 22.0 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: 19.46 ug/l

RT: 12.50 min Scan# 1215

Delta R.T. -0.01 min

Lab File: VD046800.D

Acq: 21 Sep 2015 12:08

Tgt Ion: 43 Resp: 34426

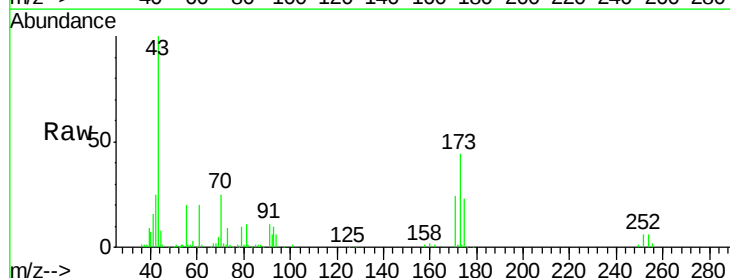
Ion Ratio Lower Upper

43 100

70 24.9 22.1 33.1

55 20.5 14.5 21.7

61 20.3 14.6 21.8

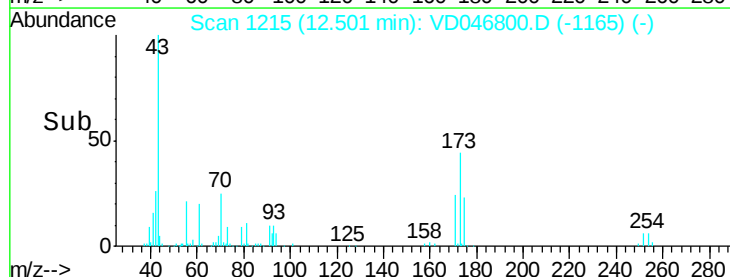
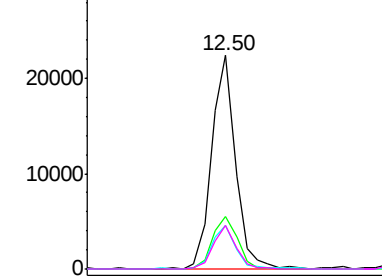


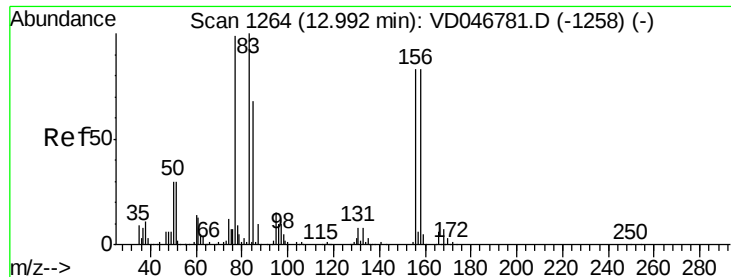
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 20.37 ug/l

RT: 12.98 min Scan# 1264

Delta R.T. -0.01 min

Lab File: VD046800.D

Acq: 21 Sep 2015 12:08

Instrument :

MSVOA_D

ClientSampleId :

VD0921SBS01

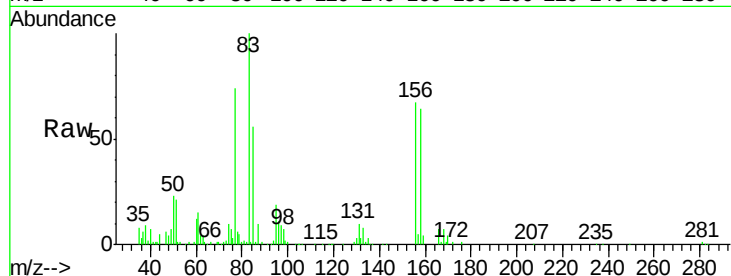
Tot Ion: 83 Resp: 27636

Ion Ratio Lower Upper

83 100

131 9.6 3.9 11.7

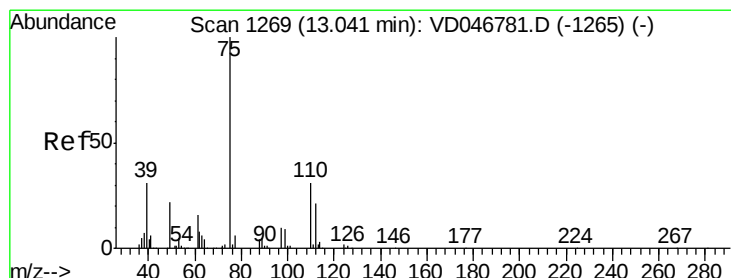
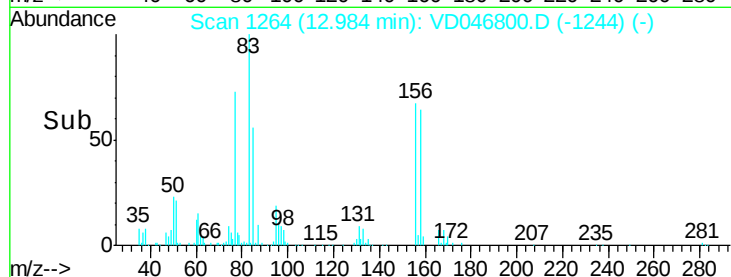
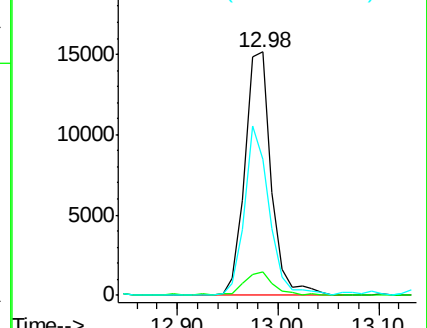
85 55.9 30.5 91.5



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: 21.00 ug/l

RT: 13.02 min Scan# 1268

Delta R.T. -0.02 min

Lab File: VD046800.D

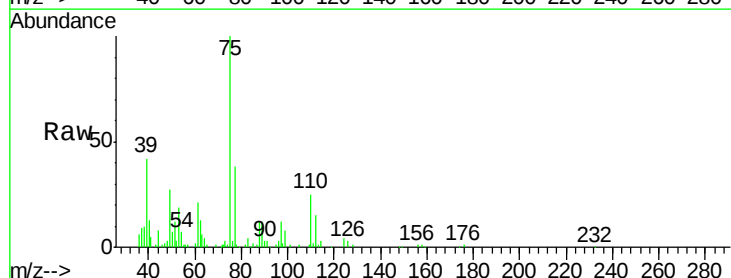
Acq: 21 Sep 2015 12:08

Tgt Ion: 75 Resp: 30479

Ion Ratio Lower Upper

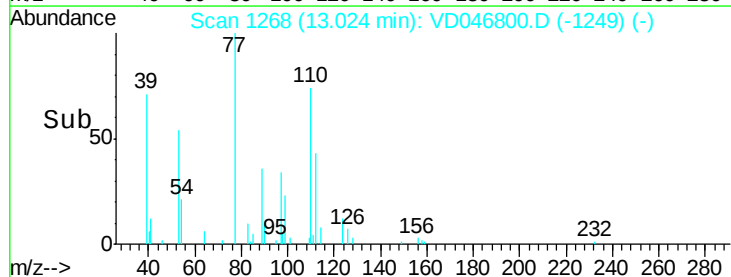
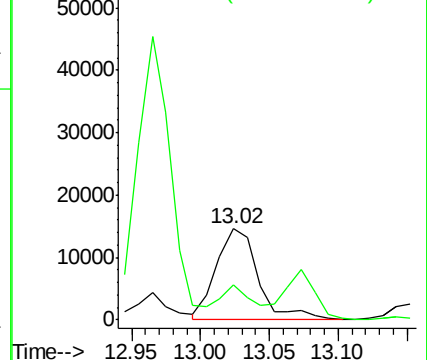
75 100

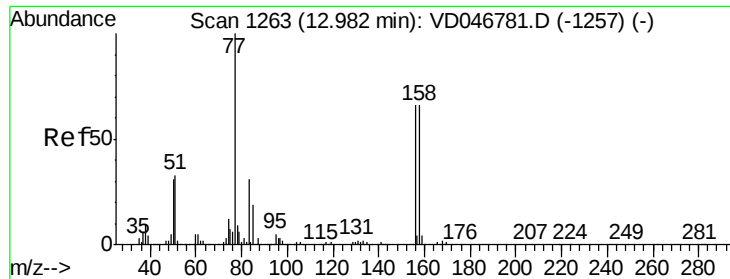
77 38.2 16.0 48.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

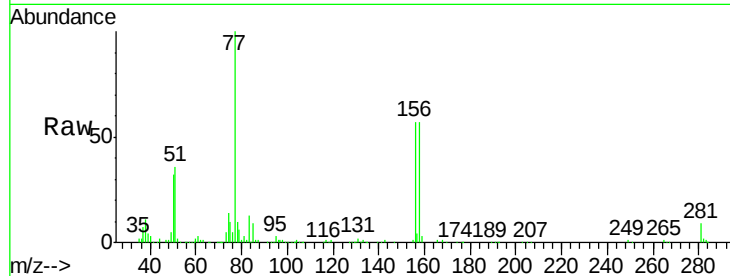




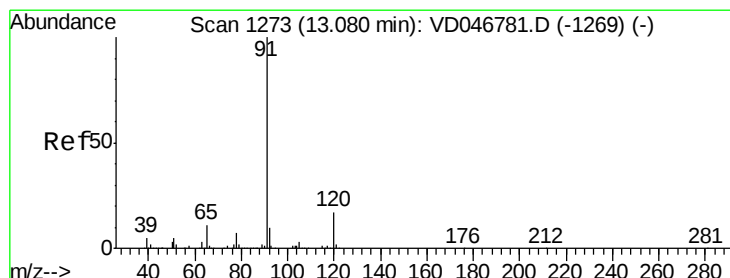
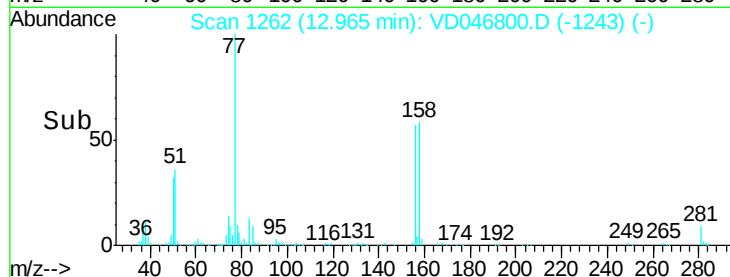
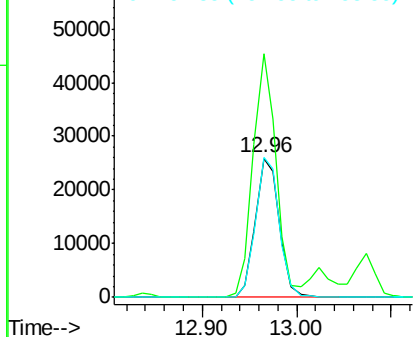
#77
Bromobenzene
Concen: 21.59 ug/l
RT: 12.96 min Scan# 1262
Delta R.T. -0.02 min
Lab File: VD046800.D
Acq: 21 Sep 2015 12:08

Instrument :
MSVOA_D
ClientSampleId :
VD0921SBS01

Tot Ion:156 Resp: 45645
Ion Ratio Lower Upper
156 100
77 175.3 70.3 210.8
158 100.7 49.0 147.0

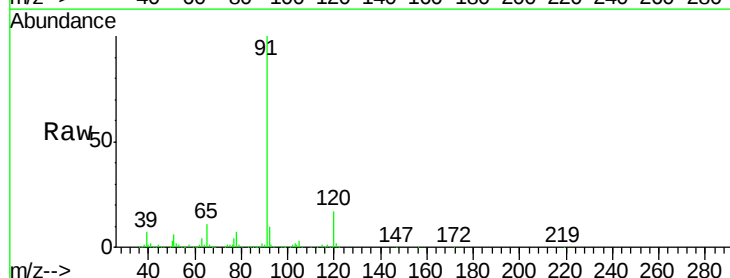


Abundance Ion 155.90 (155.60 to 156.60): V
Ion 76.95 (76.65 to 77.65): VDC
Ion 157.85 (157.55 to 158.55): V

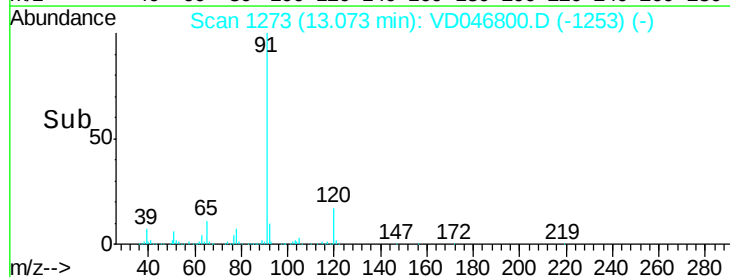
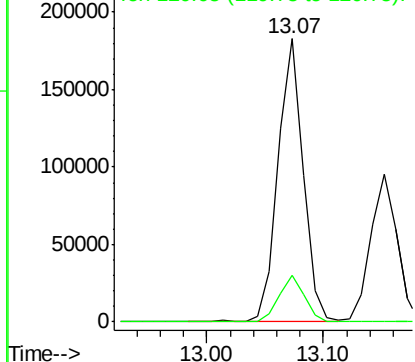


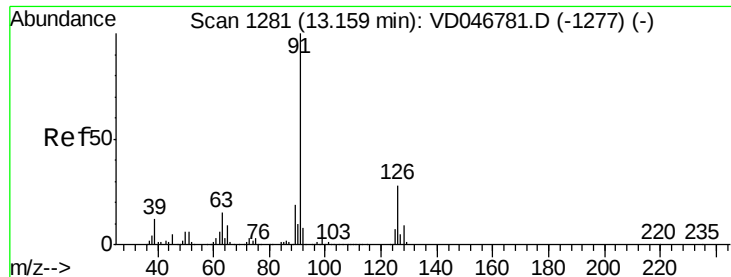
#78
n-propylbenzene
Concen: 23.11 ug/l
RT: 13.07 min Scan# 1273
Delta R.T. -0.01 min
Lab File: VD046800.D
Acq: 21 Sep 2015 12:08

Tgt Ion: 91 Resp: 274303
Ion Ratio Lower Upper
91 100
120 16.6 9.3 27.7



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 22.86 ug/l

RT: 13.15 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD046800.D

Acq: 21 Sep 2015 12:08

Instrument :

MSVOA_D

ClientSampleId :

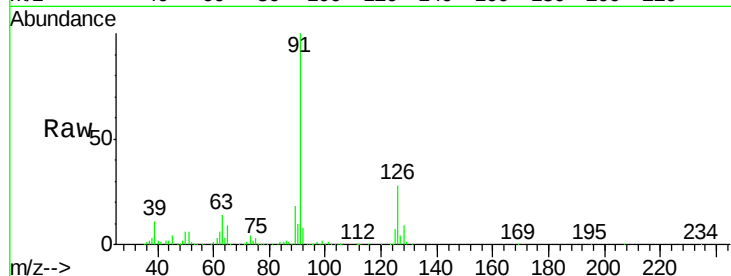
VD0921SBS01

Tot Ion: 91 Resp: 150683

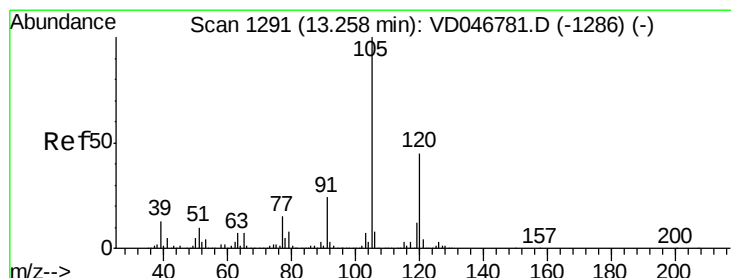
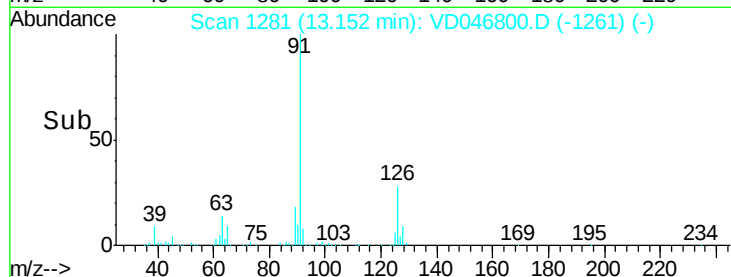
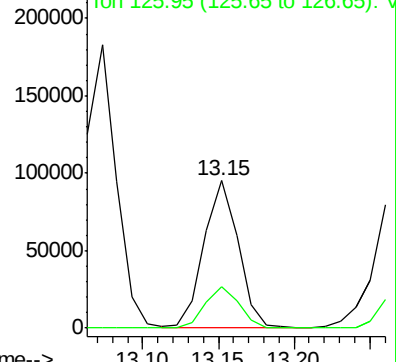
Ion Ratio Lower Upper

91 100

126 27.8 14.1 42.4



Abundance Ion 91.00 (90.70 to 91.70): V



#80

1,3,5-Trimethylbenzene

Concen: 22.57 ug/l

RT: 13.24 min Scan# 1290

Delta R.T. -0.02 min

Lab File: VD046800.D

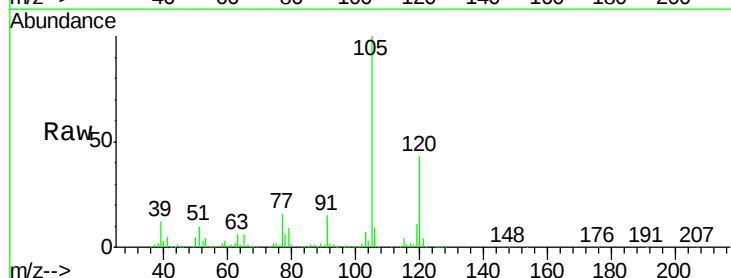
Acq: 21 Sep 2015 12:08

Tgt Ion:105 Resp: 151209

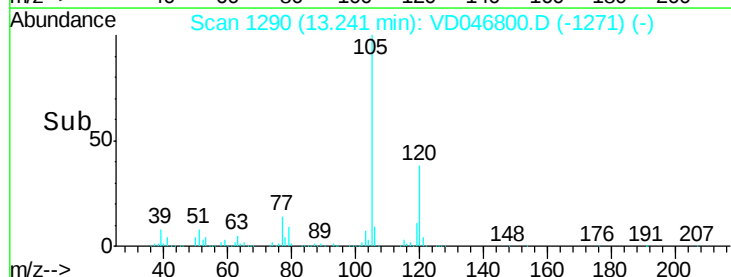
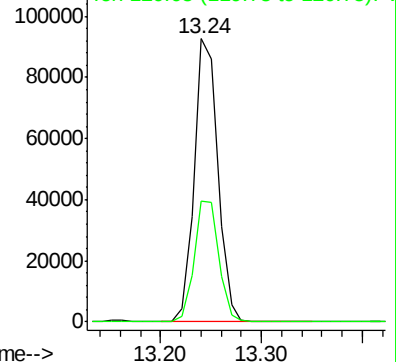
Ion Ratio Lower Upper

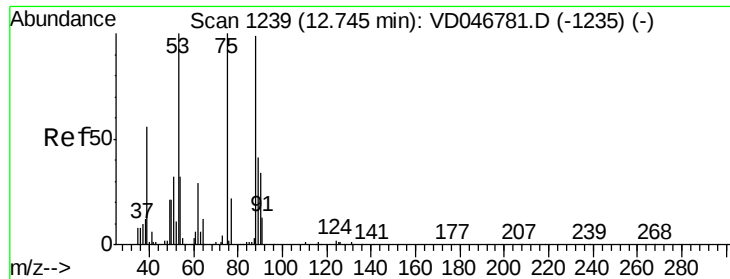
105 100

120 42.7 22.3 66.8



Abundance Ion 105.05 (104.75 to 105.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 20.46 ug/l

RT: 12.74 min Scan# 1239

Delta R.T. -0.01 min

Lab File: VD046800.D

Acq: 21 Sep 2015 12:08

Instrument :

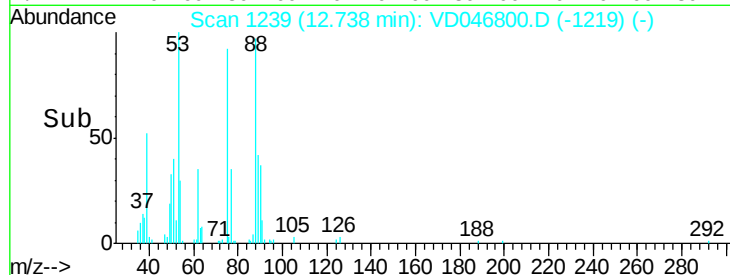
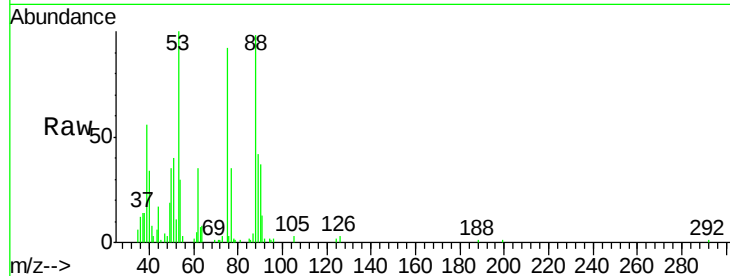
MSVOA_D

ClientSampleId :

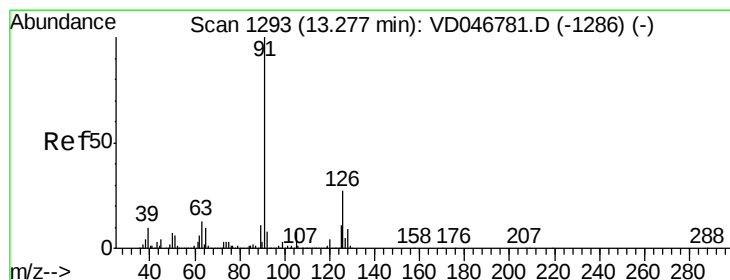
VD0921SBS01

Tot Ion: 75 Resp: 7214

Ion	Ratio	Lower	Upper
75	100		
53	108.8	82.3	123.5
89	45.2	36.6	54.8



Time-->



#82

4-Chlorotoluene

Concen: 22.33 ug/l

RT: 13.27 min Scan# 1293

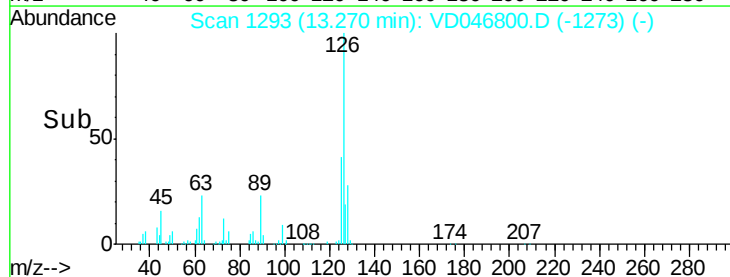
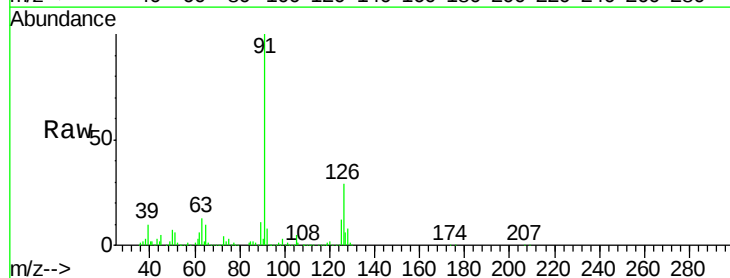
Delta R.T. -0.01 min

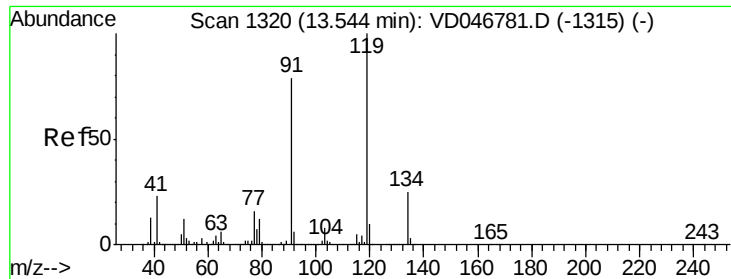
Lab File: VD046800.D

Acq: 21 Sep 2015 12:08

Tgt Ion: 91 Resp: 175187

Ion	Ratio	Lower	Upper
91	100		
126	28.9	14.1	42.4

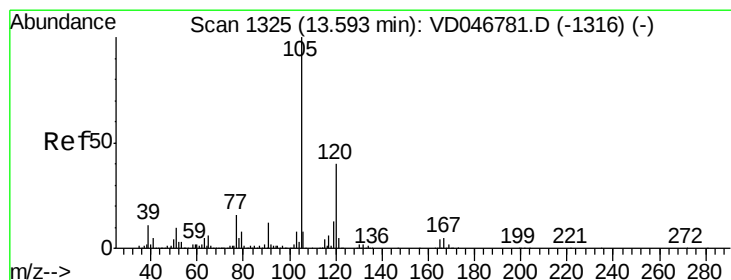
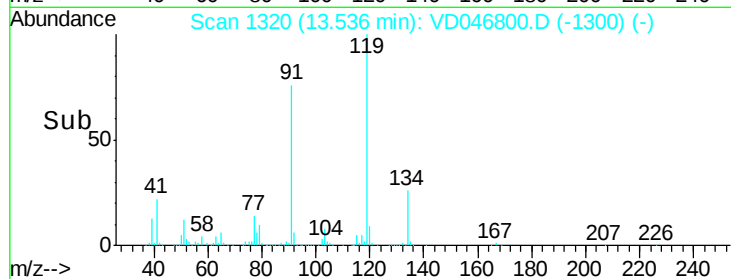
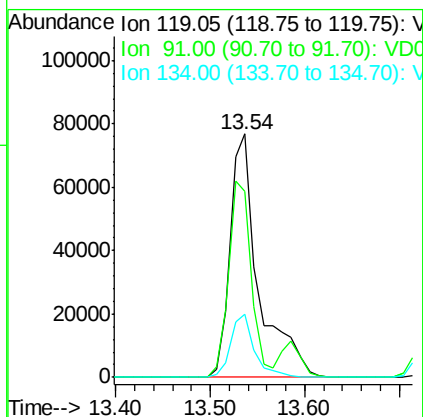
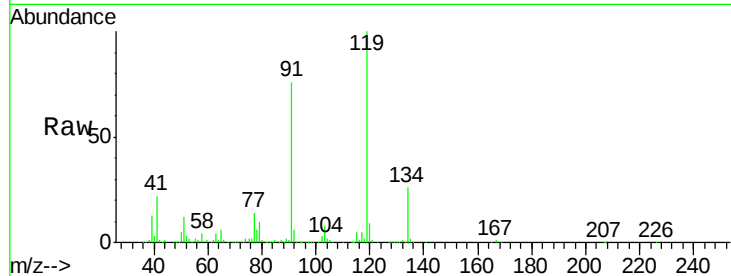




#83
 tert-Butylbenzene
 Concen: 26.75 ug/l
 RT: 13.54 min Scan# 1320
 Delta R.T. -0.01 min
 Lab File: VD046800.D
 Acq: 21 Sep 2015 12:08

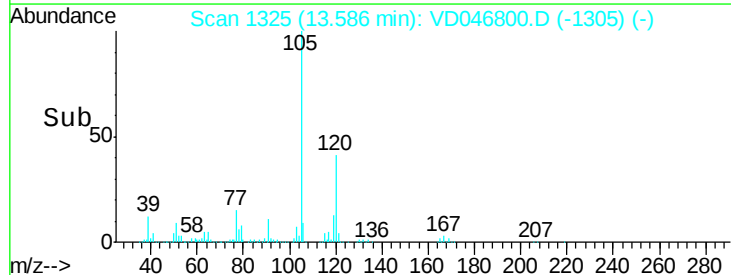
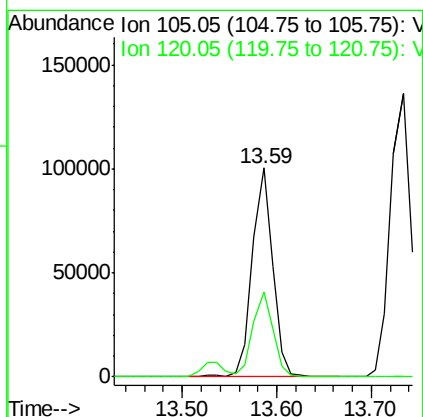
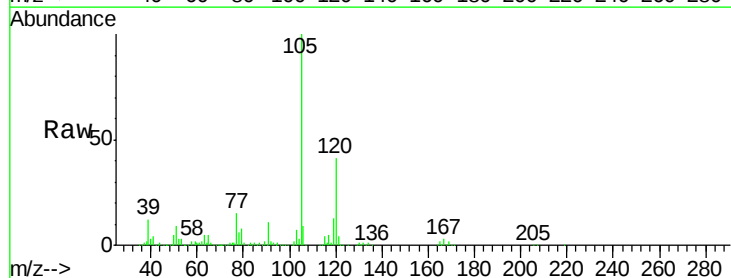
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0921SBS01

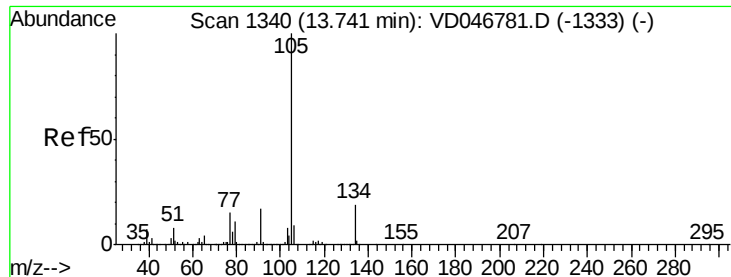
Tot Ion:119 Resp: 161543
 Ion Ratio Lower Upper
 119 100
 91 76.4 41.6 124.9
 134 25.8 12.4 37.4



#84
 1,2,4-Trimethylbenzene
 Concen: 22.35 ug/l
 RT: 13.59 min Scan# 1325
 Delta R.T. -0.01 min
 Lab File: VD046800.D
 Acq: 21 Sep 2015 12:08

Tgt Ion:105 Resp: 150689
 Ion Ratio Lower Upper
 105 100
 120 40.8 21.1 63.1





#85

sec-Butylbenzene

Concen: 23.33 ug/l

RT: 13.73 min Scan# 1340

Delta R.T. -0.01 min

Lab File: VD046800.D

Acq: 21 Sep 2015 12:08

Instrument :

MSVOA_D

ClientSampleId :

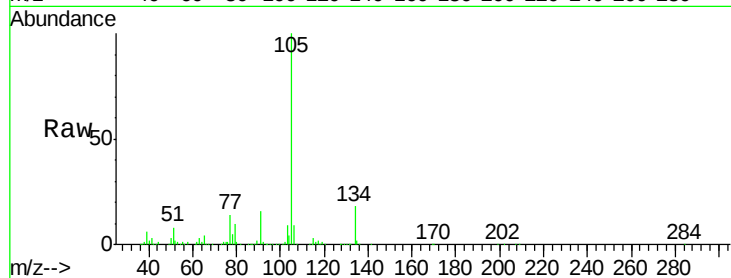
VD0921SBS01

Tot Ion:105 Resp: 207091

Ion Ratio Lower Upper

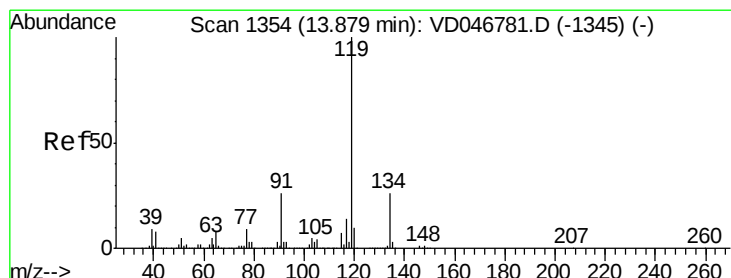
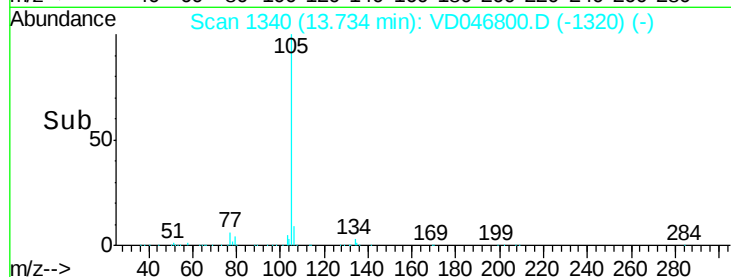
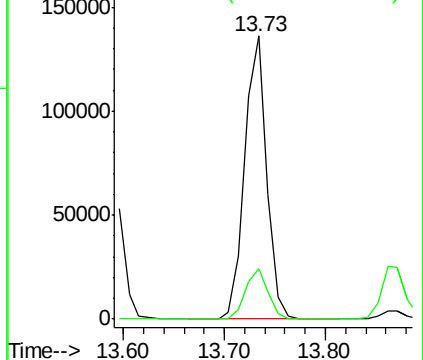
105 100

134 17.9 10.1 30.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 23.08 ug/l

RT: 13.86 min Scan# 1353

Delta R.T. -0.02 min

Lab File: VD046800.D

Acq: 21 Sep 2015 12:08

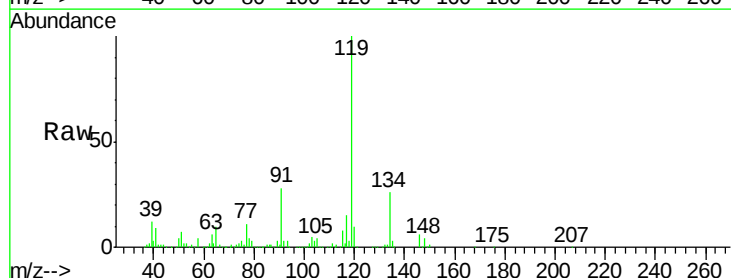
Tgt Ion:119 Resp: 161027

Ion Ratio Lower Upper

119 100

134 25.6 13.0 38.9

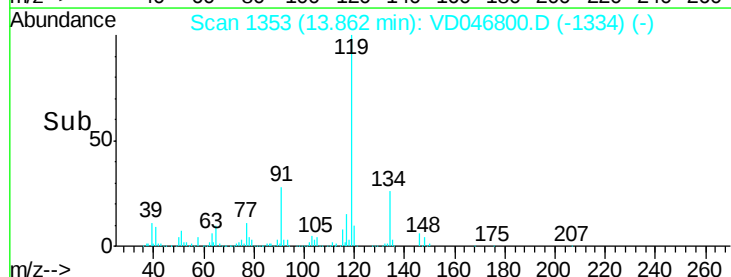
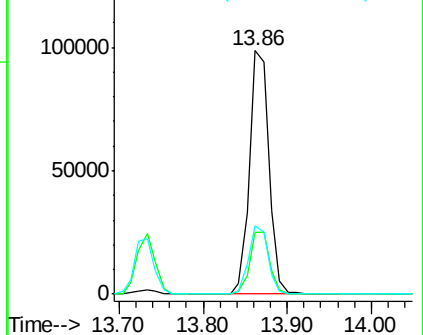
91 28.2 13.8 41.3

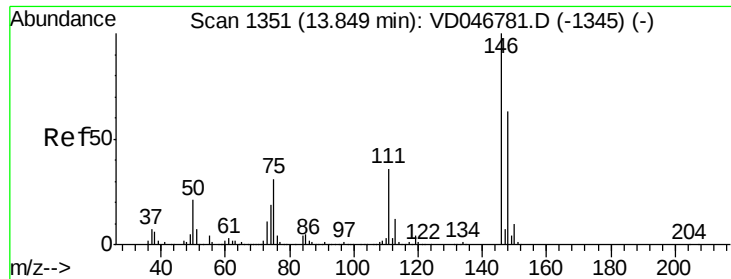


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

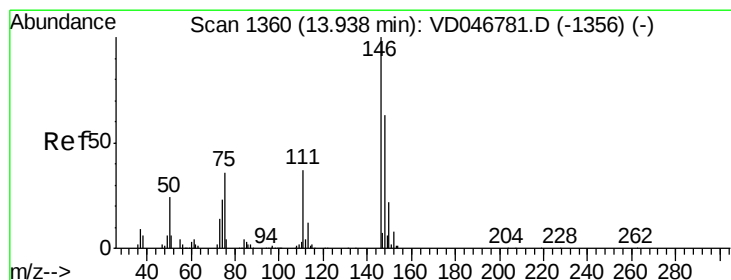
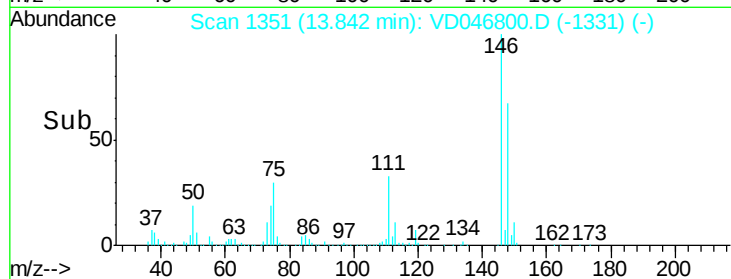
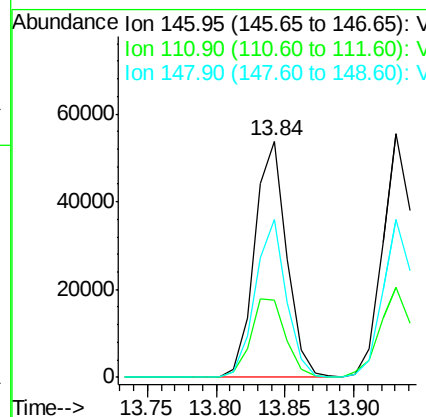
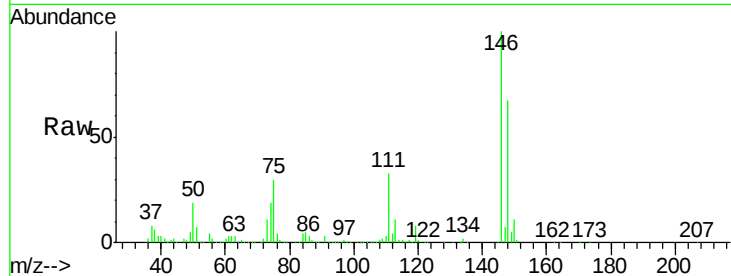




#87
 1,3-Dichlorobenzene
 Concen: 22.22 ug/l
 RT: 13.84 min Scan# 1351
 Delta R.T. -0.01 min
 Lab File: VD046800.D
 Acq: 21 Sep 2015 12:08

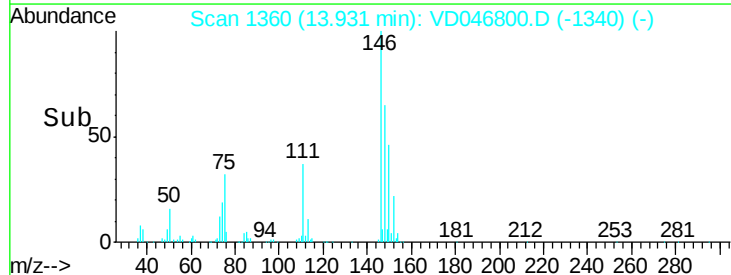
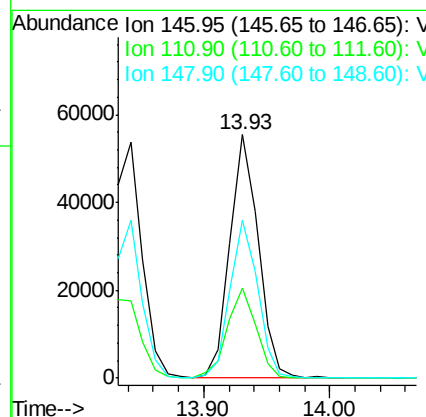
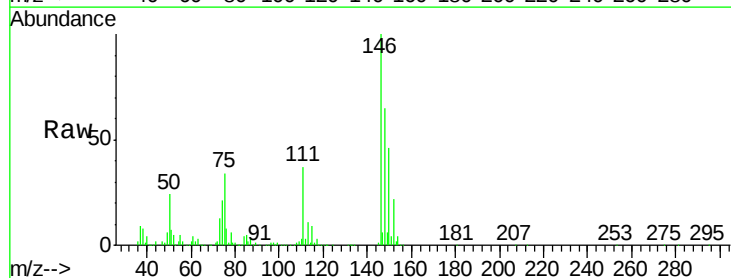
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0921SBS01

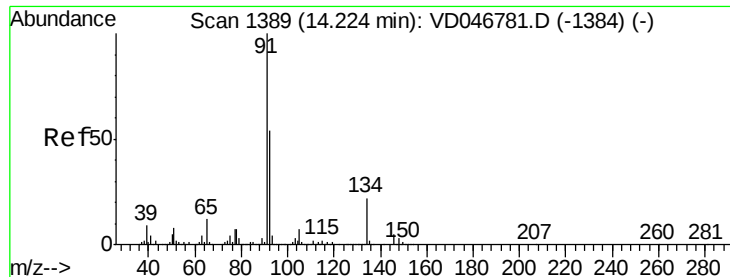
Tot Ion	Ratio	Lower	Upper
146	100		
111	32.9	17.4	52.2
148	66.6	33.0	99.0



#88
 1,4-Dichlorobenzene
 Concen: 21.98 ug/l
 RT: 13.93 min Scan# 1360
 Delta R.T. -0.01 min
 Lab File: VD046800.D
 Acq: 21 Sep 2015 12:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	17.0	51.0
148	64.7	31.9	95.7





#89

n-Butylbenzene

Concen: 23.61 ug/l

RT: 14.22 min Scan# 1389

Delta R.T. -0.01 min

Lab File: VD046800.D

Acq: 21 Sep 2015 12:08

Instrument :

MSVOA_D

ClientSampleId :

VD0921SBS01

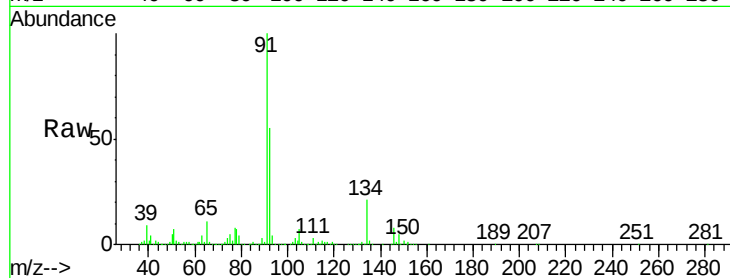
Tot Ion: 91 Resp: 185974

Ion Ratio Lower Upper

91 100

92 54.7 27.1 81.2

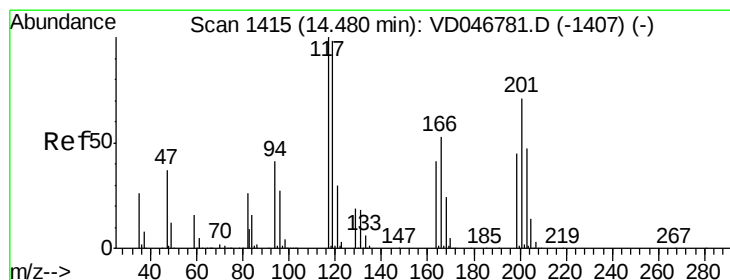
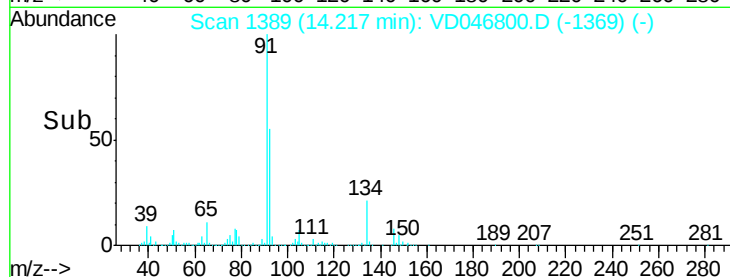
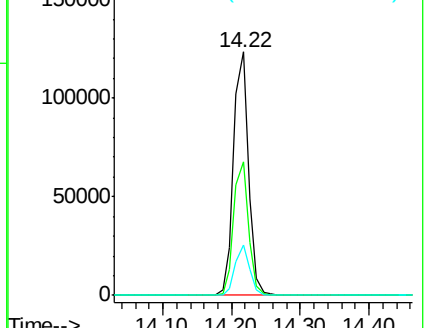
134 20.8 9.6 28.6



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 22.19 ug/l

RT: 14.47 min Scan# 1415

Delta R.T. -0.01 min

Lab File: VD046800.D

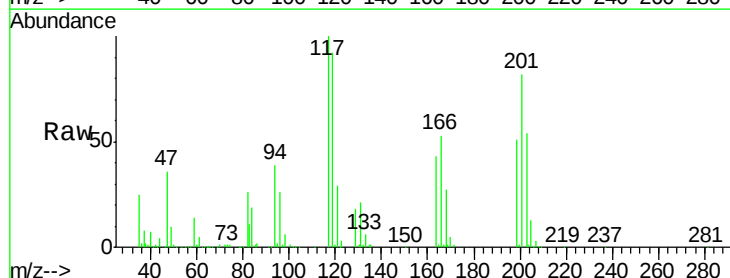
Acq: 21 Sep 2015 12:08

Tgt Ion: 117 Resp: 35889

Ion Ratio Lower Upper

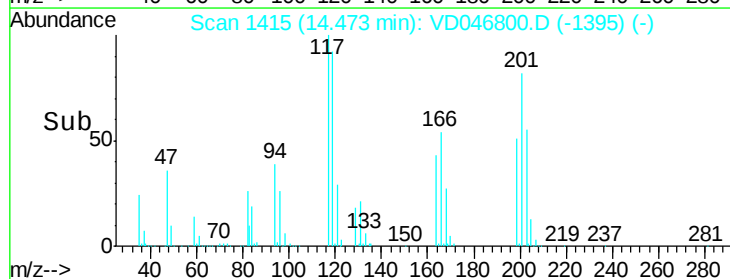
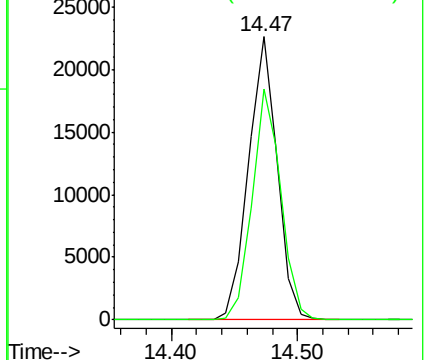
117 100

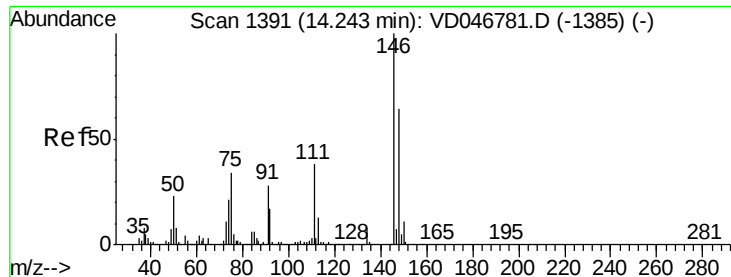
201 81.6 41.0 123.0



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

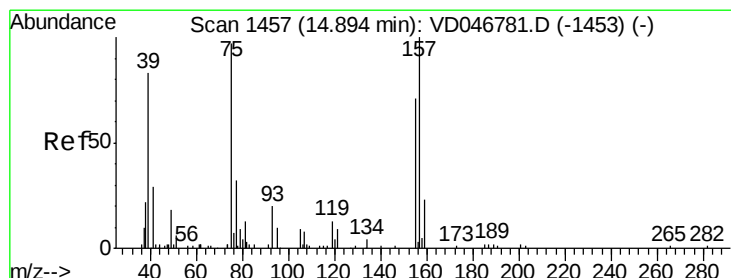
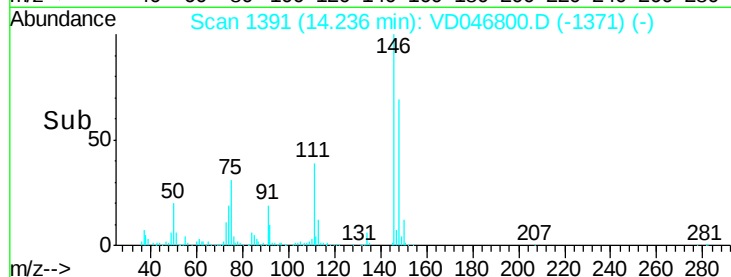
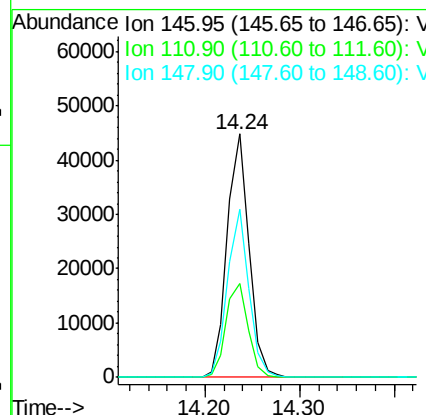
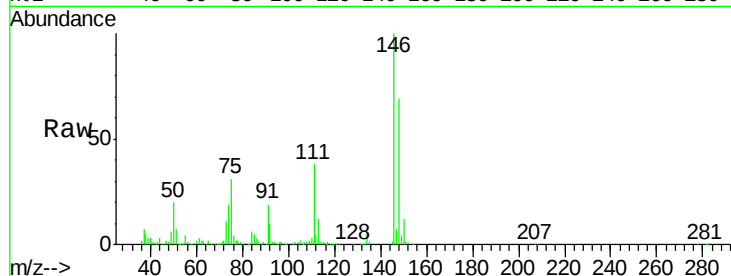




#91
 1,2-Dichlorobenzene
 Concen: 21.76 ug/l
 RT: 14.24 min Scan# 1391
 Delta R.T. -0.01 min
 Lab File: VD046800.D
 Acq: 21 Sep 2015 12:08

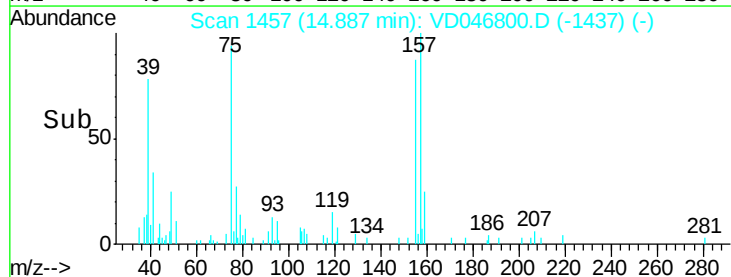
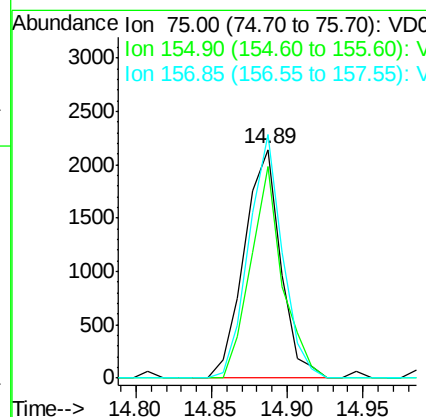
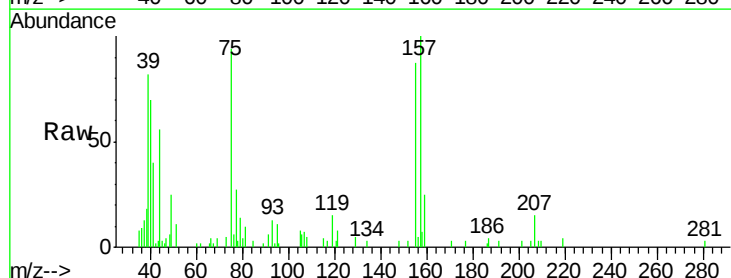
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0921SBS01

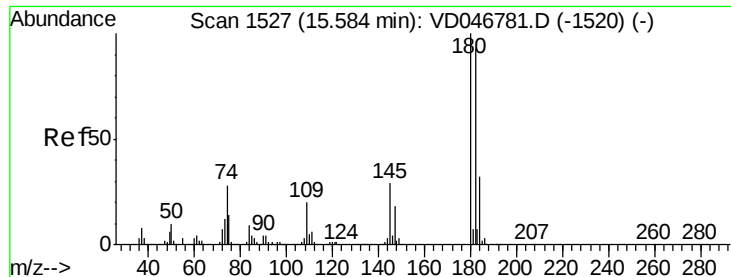
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	18.2	54.6
148	68.8	31.1	93.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.68 ug/l
 RT: 14.89 min Scan# 1457
 Delta R.T. -0.01 min
 Lab File: VD046800.D
 Acq: 21 Sep 2015 12:08

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.4	41.4	124.4
157	106.4	65.0	195.1

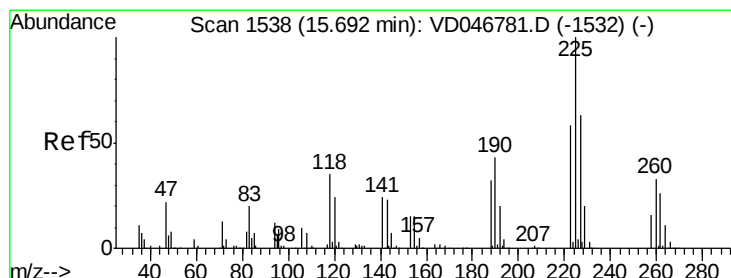
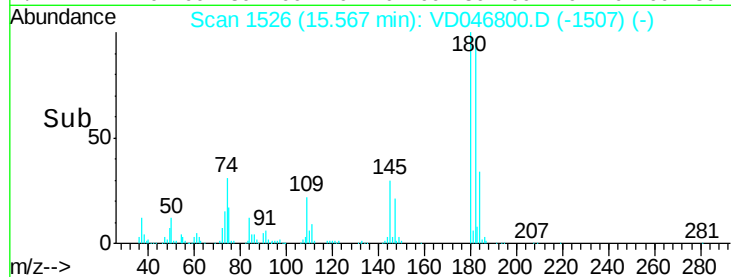
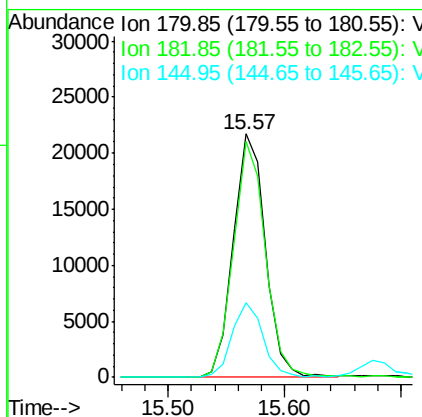
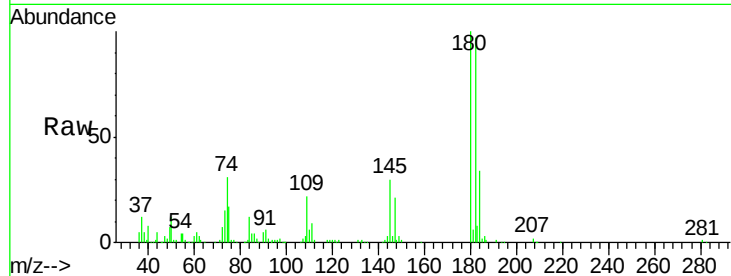




#93
 1,2,4-Trichlorobenzene
 Concen: 21.72 ug/l
 RT: 15.57 min Scan# 1526
 Delta R.T. -0.02 min
 Lab File: VD046800.D
 Acq: 21 Sep 2015 12:08

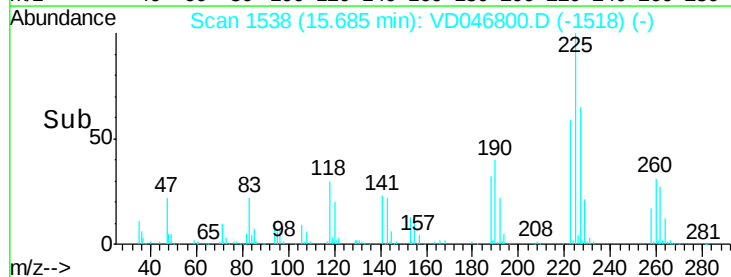
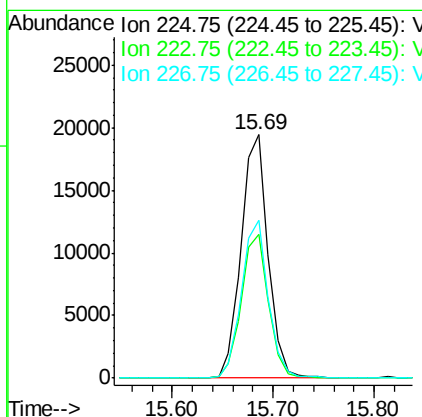
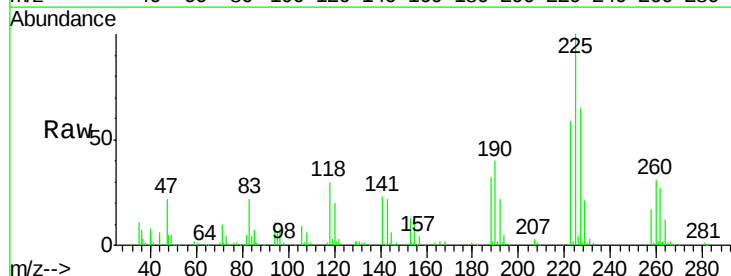
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0921SBS01

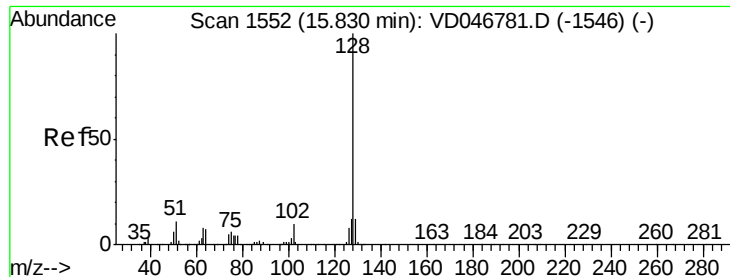
Tot Ion:180 Resp: 41426
 Ion Ratio Lower Upper
 180 100
 182 96.8 47.5 142.5
 145 30.4 14.6 44.0



#94
 Hexachlorobutadiene
 Concen: 23.03 ug/l
 RT: 15.69 min Scan# 1538
 Delta R.T. -0.01 min
 Lab File: VD046800.D
 Acq: 21 Sep 2015 12:08

Tgt Ion:225 Resp: 36172
 Ion Ratio Lower Upper
 225 100
 223 58.9 30.4 91.2
 227 64.7 31.3 93.9





#95

Naphthalene

Concen: 19.82 ug/l

RT: 15.81 min Scan# 1551

Delta R.T. -0.02 min

Lab File: VD046800.D

Acq: 21 Sep 2015 12:08

Instrument :

MSVOA_D

ClientSampleId :

VD0921SBS01

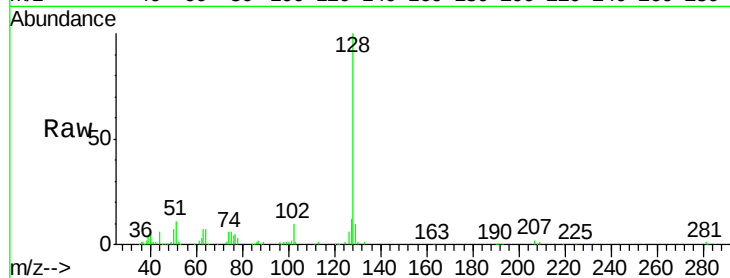
Tot Ion:128 Resp: 46233

Ion Ratio Lower Upper

128 100

127 12.1 9.8 14.6

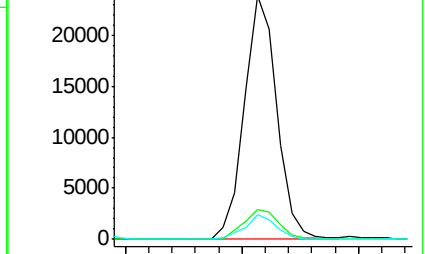
129 10.4 8.6 12.8



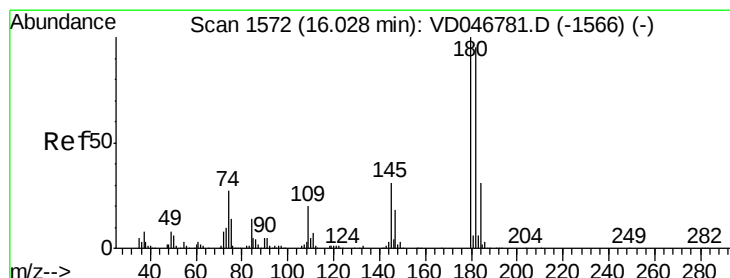
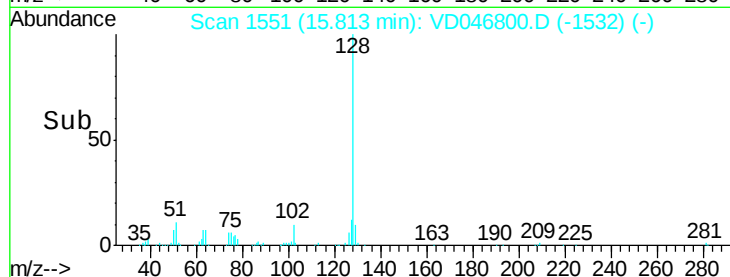
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



Time--> 15.70 15.80 15.90



#96

1,2,3-Trichlorobenzene

Concen: 22.54 ug/l

RT: 16.01 min Scan# 1571

Delta R.T. -0.02 min

Lab File: VD046800.D

Acq: 21 Sep 2015 12:08

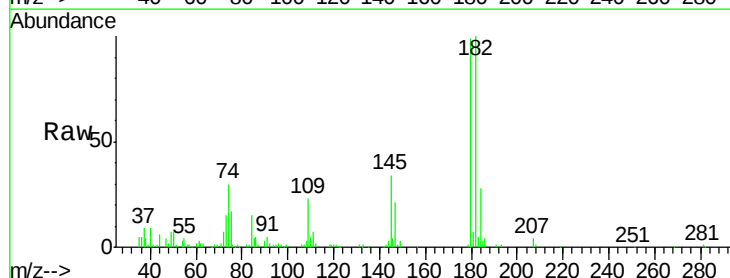
Tgt Ion:180 Resp: 35927

Ion Ratio Lower Upper

180 100

182 101.4 47.4 142.3

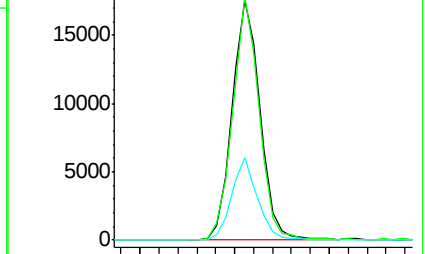
145 34.4 15.4 46.4



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V



Time--> 15.90 16.00 16.10

