

Data Path : W:\HPCHEM1\MSVOA D\DATA\VD092315\
 Data File : VD046851.D
 Acq On : 23 Sep 2015 13:24
 Operator : FY/SY
 Sample : VD0923SBSD01
 Misc : 5.00qm/5mL/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0923SBSD01

Quant Time: Sep 24 01:44:46 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	173616	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.42	114	210030	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.57	117	200123	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.90	152	112877	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.70	65	94990	52.62	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	105.24%	
35) Dibromofluoromethane	6.19	113	91249	55.53	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	111.06%	
50) Toluene-d8	9.60	98	292082	56.34	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	112.68%	
62) 4-Bromofluorobenzene	12.84	95	120063	57.52	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	115.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.41	85	42814	24.83	ug/l	99
3) Chlorodifluoromethane	1.43	51	30732	20.02	ug/l #	90
4) Chloromethane	1.57	50	20801	20.32	ug/l	99
5) Vinyl Chloride	1.67	62	20701	21.54	ug/l	94
6) Bromomethane	1.96	94	21615	23.82	ug/l	93
7) Chloroethane	2.07	64	13476	22.40	ug/l	99
8) Trichlorofluoromethane	2.32	101	68594	24.12	ug/l	93
9) Diethyl Ether	2.63	74	10062	19.96	ug/l	74
10) 1,1,2-Trichlorotrifluoroet	2.88	101	37024	20.81	ug/l	94
11) Methyl Iodide	3.04	142	39027	19.87	ug/l	92
12) Tert butyl alcohol	3.67	59	7348	85.10	ug/l	96
13) 1,1-Dichloroethene	2.86	96	29665	21.33	ug/l	84
14) Acrolein	2.76	56	6688	72.52	ug/l #	82
15) Allyl chloride	3.32	41	55118	19.52	ug/l #	78
16) Acrylonitrile	3.82	53	18389	87.25	ug/l	92
17) Acetone	2.93	43	30756	100.84	ug/l #	90
18) Carbon Disulfide	3.12	76	101624	19.50	ug/l	100
19) Methyl Acetate	3.33	43	32888	18.61	ug/l	96
20) Methyl tert-butyl Ether	3.89	73	44364	20.36	ug/l	91
21) Methylene Chloride	3.49	84	31648	19.11	ug/l	91
22) trans-1,2-Dichloroethene	3.88	96	32235	20.55	ug/l	94
23) Diisopropyl ether	4.64	45	92487	19.73	ug/l #	87
24) Vinyl Acetate	4.59	43	83493	86.41	ug/l #	96
25) 1,1-Dichloroethane	4.54	63	59820	20.71	ug/l	99
26) 2-Butanone	5.43	43	33973	99.11	ug/l	98
27) 2,2-Dichloropropane	5.41	77	66800	22.51	ug/l	91
28) cis-1,2-Dichloroethene	5.41	96	32464	19.88	ug/l	93
29) Bromochloromethane	5.77	49	22103	19.42	ug/l #	93
30) Chloroform	5.96	83	77565	22.14	ug/l	98
31) Cyclohexane	6.26	56	52252	19.28	ug/l	87
32) 1,1,1-Trichloroethane	6.16	97	71102	22.80	ug/l	98
36) 1,1-Dichloropropene	6.41	75	55680	22.68	ug/l	97
37) Ethyl Acetate	5.53	43	16429	20.84	ug/l #	96
38) Carbon Tetrachloride	6.39	117	62028	24.32	ug/l	99

Data Path : W:\HPCHEM1\MSVOA D\DATA\VD092315\
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 Misc : 5.00qm/5mL/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0923SBS01

Quant Time: Sep 24 01:44:46 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	8.07	83	53348	21.45	ug/l	94
40) Benzene	6.71	78	136045	21.71	ug/l	97
41) Methacrylonitrile	5.75	41	9101	20.58	ug/l #	92
42) 1,2-Dichloroethane	6.81	62	46308	23.79	ug/l	97
43) Isopropyl Acetate	8.39	43	20237	19.47	ug/l #	93
44) Trichloroethene	7.73	130	37774	24.08	ug/l	94
45) 1,2-Dichloropropane	8.13	63	30480	19.63	ug/l	91
46) Dibromomethane	8.25	93	18978	21.53	ug/l	93
47) Bromodichloromethane	8.55	83	53982	23.33	ug/l	97
48) Methyl methacrylate	8.07	41	35241	22.18	ug/l	90
49) 1,4-Dioxane	8.27	88	2140	364.07	ug/l #	90
51) 4-Methyl-2-Pentanone	9.47	43	73878	98.38	ug/l	93
52) Toluene	9.70	92	90258	23.35	ug/l	97
53) t-1,3-Dichloropropene	10.11	75	37406	21.90	ug/l #	87
54) cis-1,3-Dichloropropene	9.22	75	47878	21.77	ug/l #	92
55) 1,1,2-Trichloroethane	10.38	97	22954	22.94	ug/l	91
56) Ethyl methacrylate	10.23	69	17223	19.18	ug/l	96
57) 1,3-Dichloropropane	10.59	76	39900	21.44	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.01	63	45950	97.09	ug/l	97
59) 2-Hexanone	10.70	43	55488	102.27	ug/l	97
60) Dibromochloromethane	10.87	129	31650	23.04	ug/l	97
61) 1,2-Dibromoethane	11.00	107	21656	21.92	ug/l	97
64) Tetrachloroethene	10.45	164	36764	22.75	ug/l	92
65) Chlorobenzene	11.60	112	93988	22.31	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.71	131	36133	23.36	ug/l	98
67) Ethyl Benzene	11.72	91	196017	23.16	ug/l	99
68) m/p-Xylenes	11.87	106	128043	47.97	ug/l	94
69) o-Xylene	12.28	106	56071	23.34	ug/l	95
70) Styrene	12.31	104	97781	23.47	ug/l	95
71) Bromoform	12.49	173	17549	21.30	ug/l	92
73) Isopropylbenzene	12.66	105	177683	22.33	ug/l	99
74) N-amyl acetate	12.49	43	30771	18.64	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.98	83	26582	20.70	ug/l	97
76) 1,2,3-Trichloropropane	13.02	75	28088	20.45	ug/l	99
77) Bromobenzene	12.97	156	43206	21.59	ug/l	92
78) n-propylbenzene	13.06	91	249135	22.17	ug/l	98
79) 2-Chlorotoluene	13.14	91	137516	22.04	ug/l	99
80) 1,3,5-Trimethylbenzene	13.24	105	141592	22.33	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.73	75	6421	19.47	ug/l	89
82) 4-Chlorotoluene	13.26	91	169545	22.83	ug/l	95
83) tert-Butylbenzene	13.53	119	152970	26.76	ug/l	100
84) 1,2,4-Trimethylbenzene	13.58	105	146057	22.88	ug/l	97
85) sec-Butylbenzene	13.72	105	191227	22.76	ug/l	95
86) p-Isopropyltoluene	13.86	119	154360	23.37	ug/l	99
87) 1,3-Dichlorobenzene	13.83	146	81721	21.89	ug/l	98
88) 1,4-Dichlorobenzene	13.93	146	80500	21.68	ug/l	96
89) n-Butylbenzene	14.21	91	173927	23.33	ug/l	99
90) Hexachloroethane	14.46	117	33474	21.86	ug/l	91
91) 1,2-Dichlorobenzene	14.23	146	69851	22.27	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.89	75	2986	18.09	ug/l	89

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Instrument :
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ClientSampleId :
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Quant Time: Sep 24 01:44:46 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

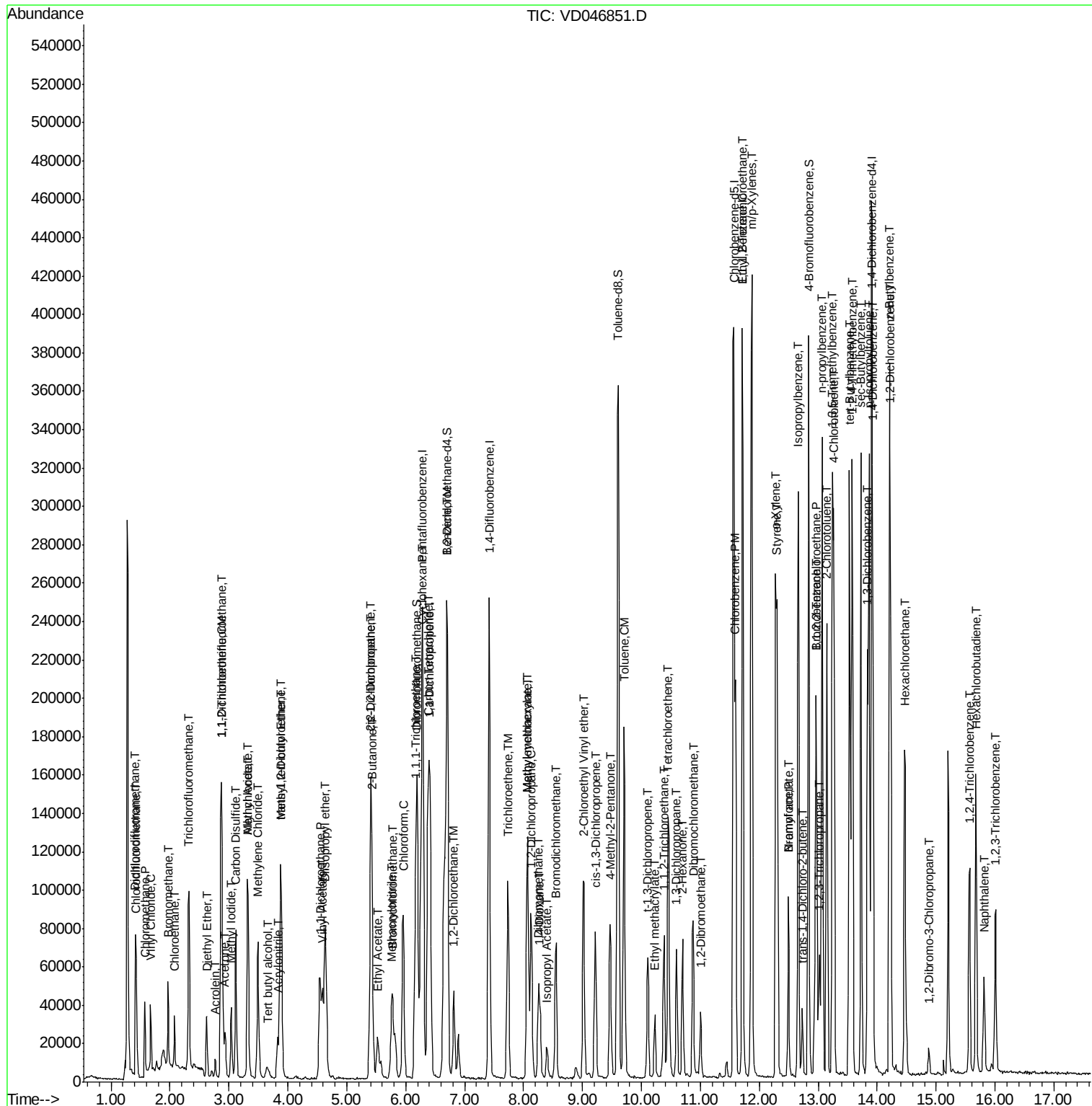
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.57	180	39438	21.84	ug/l	98
94) Hexachlorobutadiene	15.68	225	33736	22.69	ug/l	99
95) Naphthalene	15.81	128	44700	20.19	ug/l	97
96) 1,2,3-Trichlorobenzene	16.01	180	33355	22.10	ug/l	98

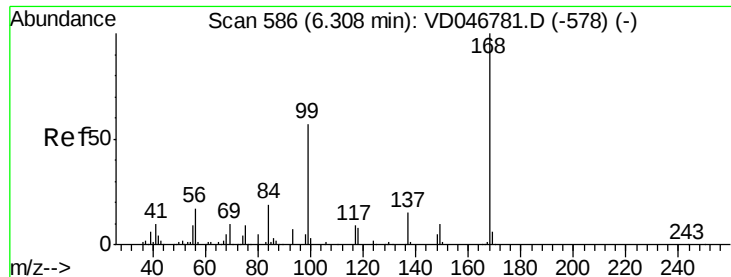
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : W:\HPCHEM1\MSVOA D\DATA\VD092315\
 Data File : VD046851.D
 Acq On : 23 Sep 2015 13:24
 Operator : FY/SY
 Sample : VD0923SBSD01
 Misc : 5.00µm/5mL/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0923SBSD01

Quant Time: Sep 24 01:44:46 2015
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 Quant Title : SW846 8260
 QLast Update : Fri Sep 18 15:47:18 2015
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.29 min Scan# 585

Delta R.T. -0.02 min

Lab File: VD046851.D

Acq: 23 Sep 2015 13:24

Instrument :

MSVOA_D

ClientSampleId :

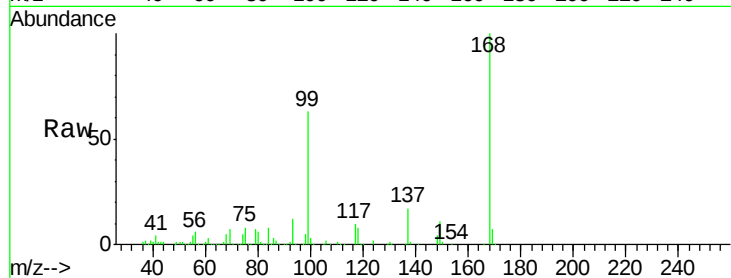
VD0923SBSD01

Tot Ion:168 Resp: 173616

Ion Ratio Lower Upper

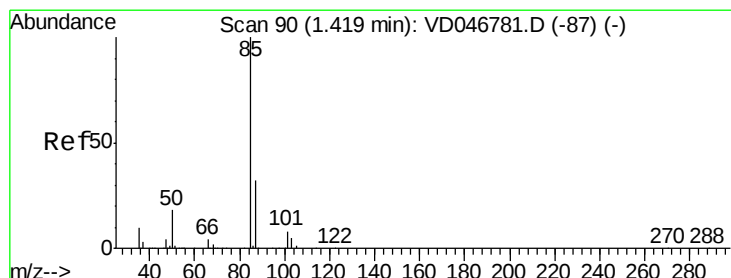
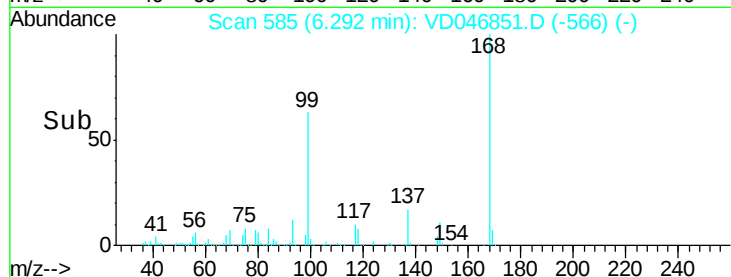
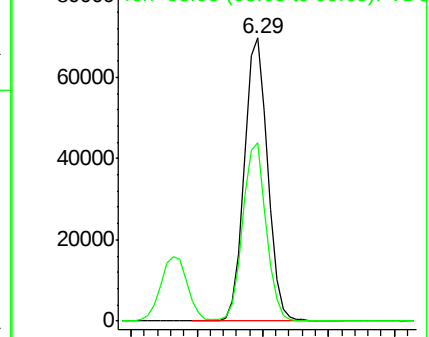
168 100

99 63.0 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: 24.83 ug/l

RT: 1.41 min Scan# 90

Delta R.T. -0.01 min

Lab File: VD046851.D

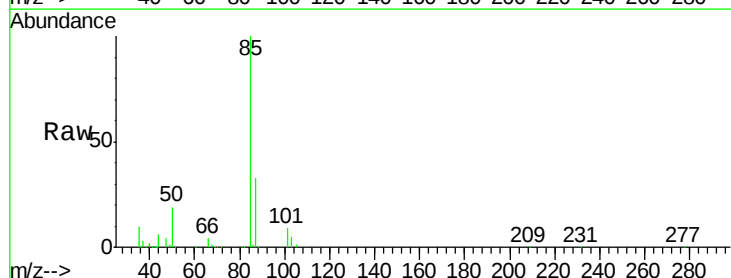
Acq: 23 Sep 2015 13:24

Tgt Ion: 85 Resp: 42814

Ion Ratio Lower Upper

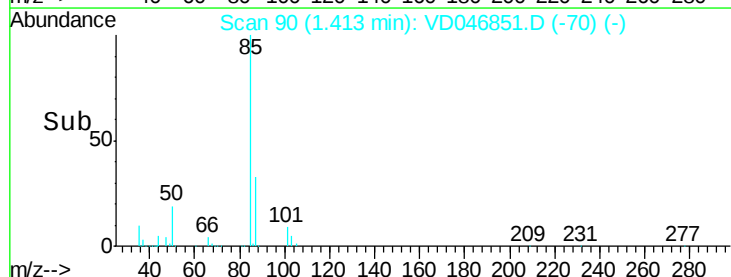
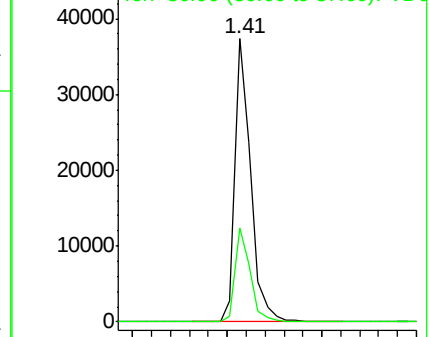
85 100

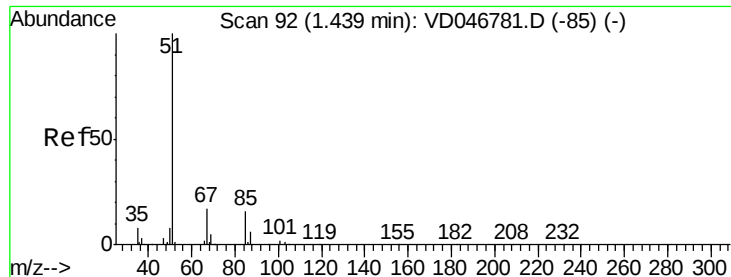
87 33.1 16.2 48.5



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chlorodifluoromethane

Concen: 20.02 ug/l

RT: 1.43 min Scan# 92

Delta R.T. -0.01 min

Lab File: VD046851.D

Acq: 23 Sep 2015 13:24

Instrument :

MSVOA_D

ClientSampleId :

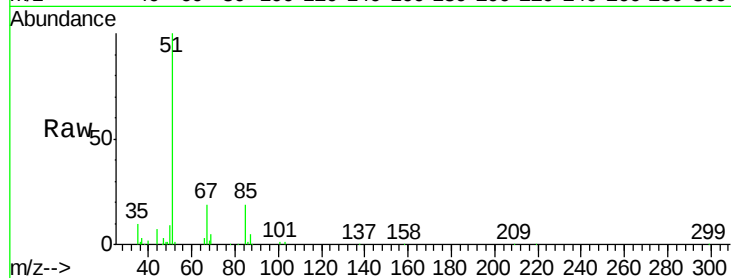
VD0923SBSD01

Tot Ion: 51 Resp: 30732

Ion Ratio Lower Upper

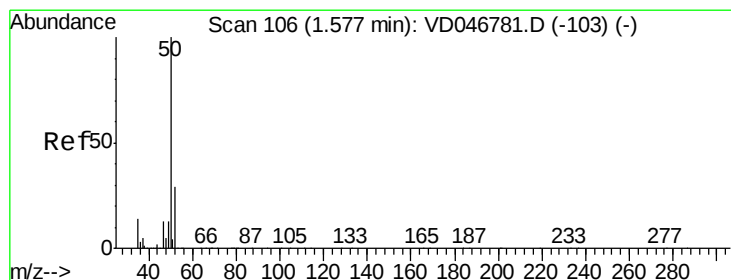
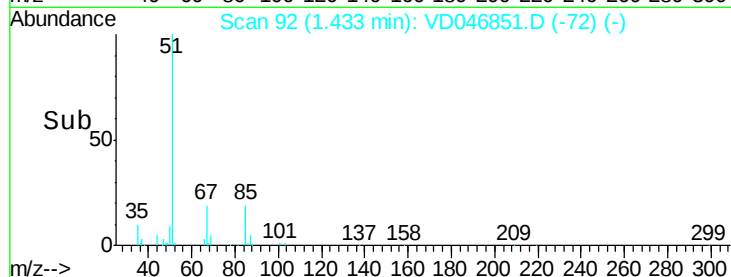
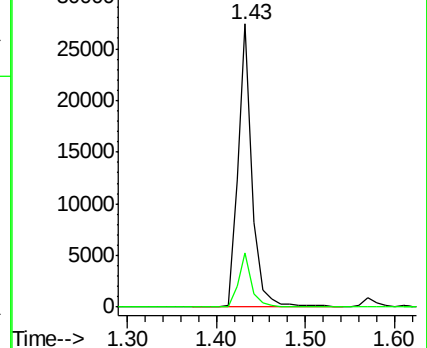
51 100

67 17.7 10.9 16.3#



Abundance Ion 51.00 (50.70 to 51.70): VDC

Ion 67.00 (66.70 to 67.70): VDC



#4

Chloromethane

Concen: 20.32 ug/l

RT: 1.57 min Scan# 106

Delta R.T. -0.01 min

Lab File: VD046851.D

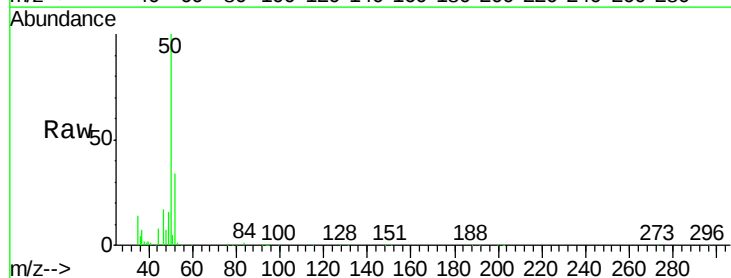
Acq: 23 Sep 2015 13:24

Tgt Ion: 50 Resp: 20801

Ion Ratio Lower Upper

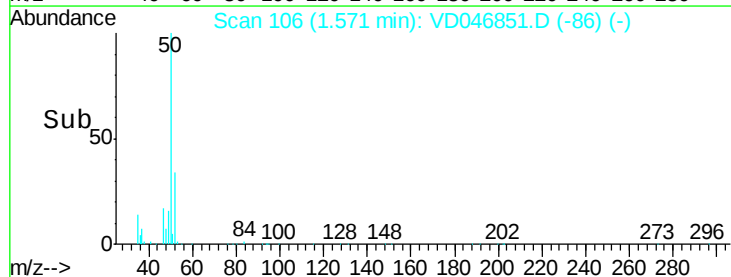
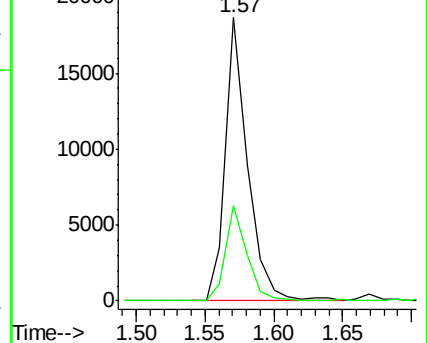
50 100

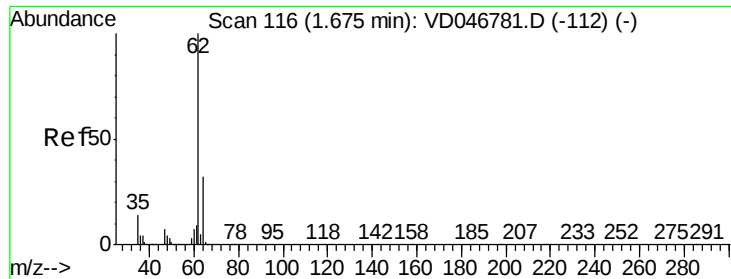
52 33.5 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC





#5

Vinyl Chloride

Concen: 21.54 ug/l

RT: 1.67 min Scan# 116

Delta R.T. -0.01 min

Lab File: VD046851.D

Acq: 23 Sep 2015 13:24

Instrument :

MSVOA_D

ClientSampleId :

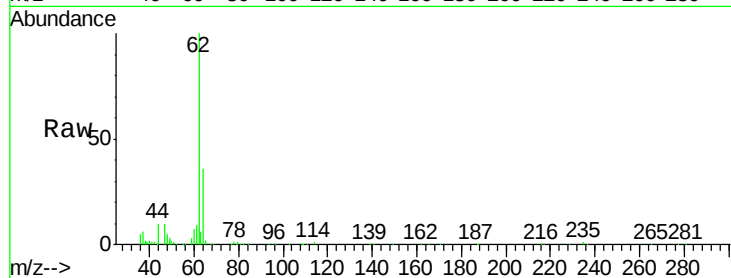
VD0923SBS01

Tot Ion: 62 Resp: 20701

Ion Ratio Lower Upper

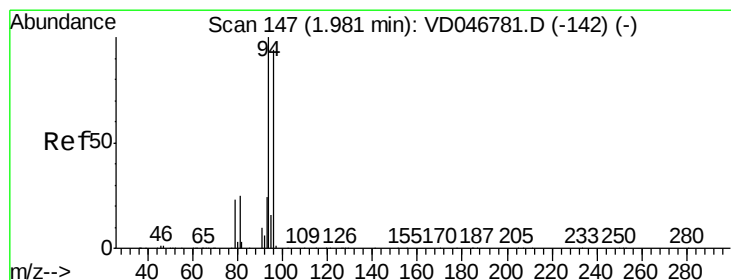
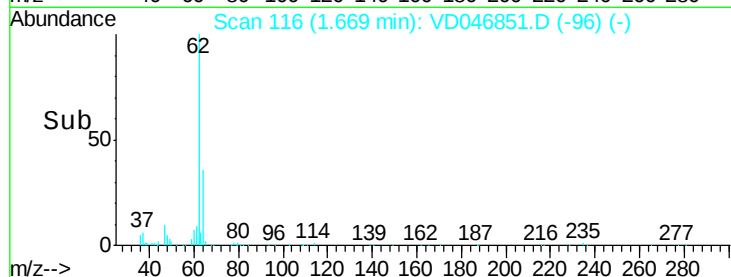
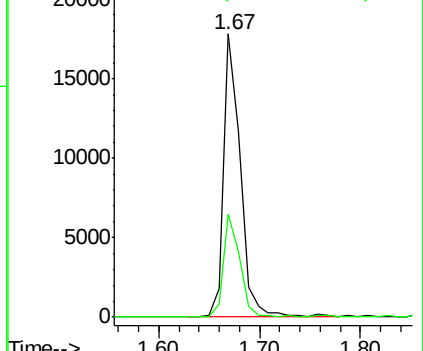
62 100

64 36.4 26.4 39.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC



#6

Bromomethane

Concen: 23.82 ug/l

RT: 1.96 min Scan# 146

Delta R.T. -0.02 min

Lab File: VD046851.D

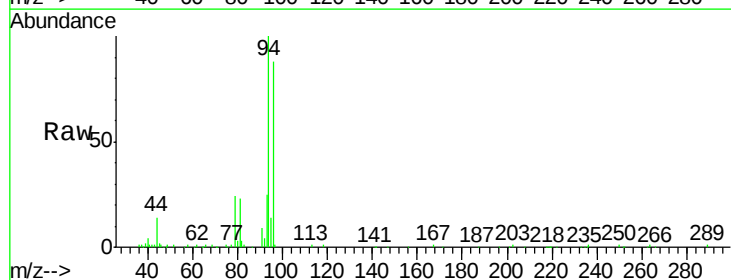
Acq: 23 Sep 2015 13:24

Tgt Ion: 94 Resp: 21615

Ion Ratio Lower Upper

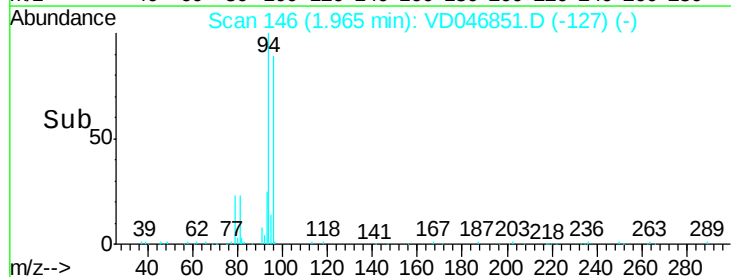
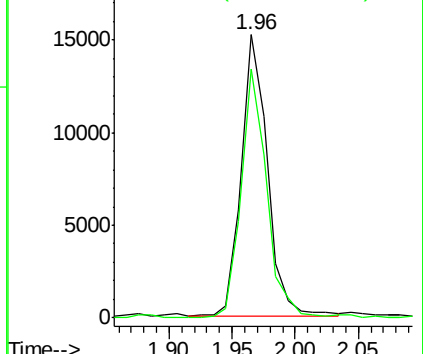
94 100

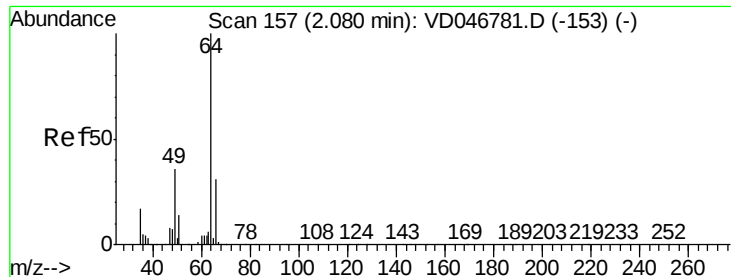
96 87.8 76.0 114.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC





#7

Chloroethane

Concen: 22.40 ug/l

RT: 2.07 min Scan# 157

Delta R.T. -0.01 min

Lab File: VD046851.D

Acq: 23 Sep 2015 13:24

Instrument :

MSVOA_D

ClientSampleId :

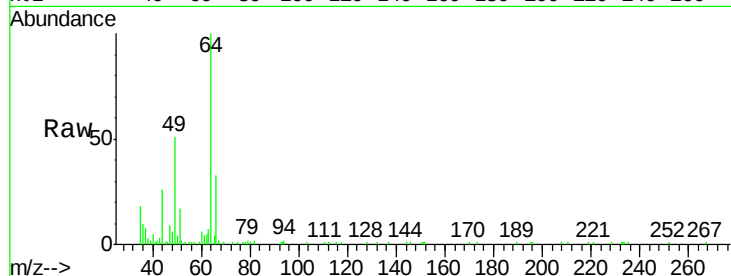
VD0923SBSD01

Tot Ion: 64 Resp: 13476

Ion Ratio Lower Upper

64 100

66 32.5 26.6 39.8



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.07

10000

8000

6000

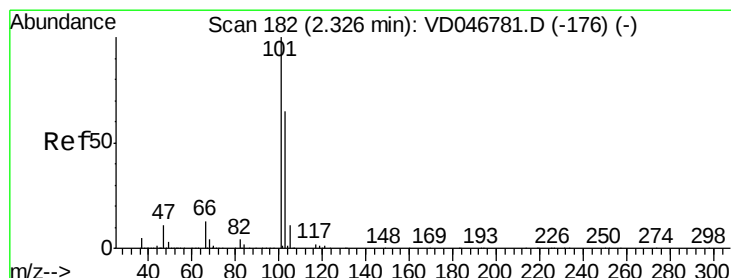
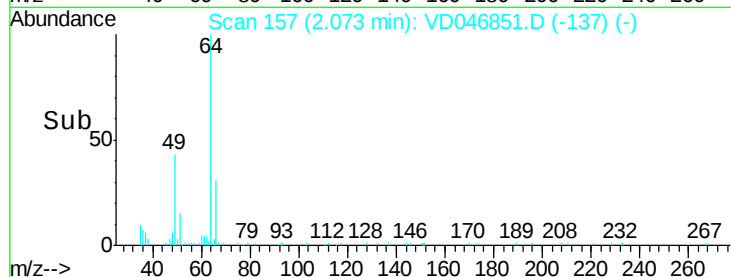
4000

2000

0

Time-->

2.00 2.10 2.20



#8

Trichlorofluoromethane

Concen: 24.12 ug/l

RT: 2.32 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD046851.D

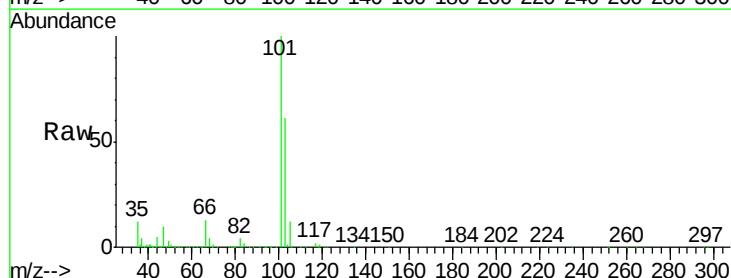
Acq: 23 Sep 2015 13:24

Tgt Ion: 101 Resp: 68594

Ion Ratio Lower Upper

101 100

103 61.1 53.2 79.8



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V

2.32

40000

30000

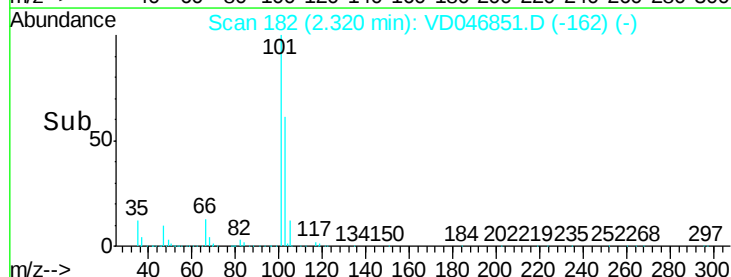
20000

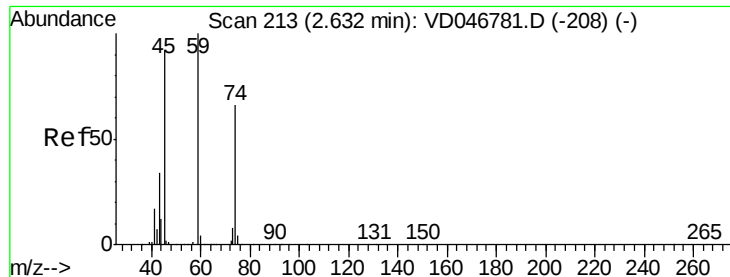
10000

0

Time-->

2.20 2.30 2.40





#9

Diethyl Ether

Concen: 19.96 ug/l

RT: 2.63 min Scan# 213

Delta R.T. -0.01 min

Lab File: VD046851.D

Acq: 23 Sep 2015 13:24

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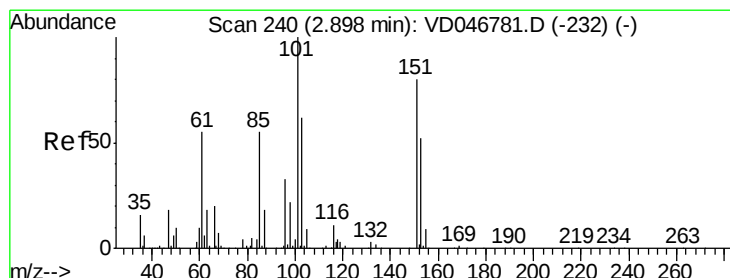
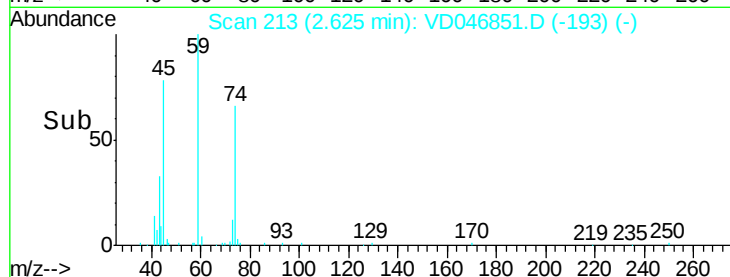
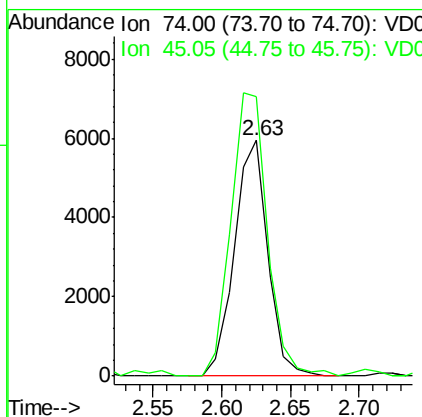
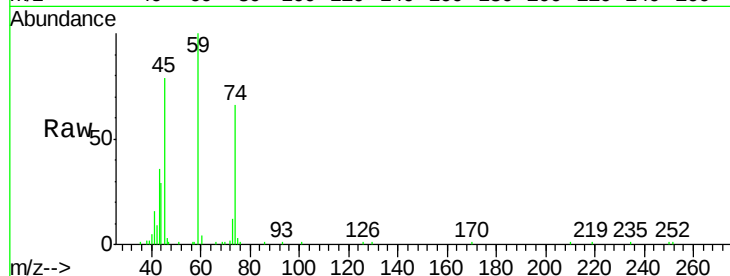
VD0923SBSD01

Tot Ion: 74 Resp: 10062

Ion Ratio Lower Upper

74 100

45 118.9 76.2 228.6



#10

1,1,2-Trichlorotrifluoroethane

Concen: 20.81 ug/l

RT: 2.88 min Scan# 239

Delta R.T. -0.02 min

Lab File: VD046851.D

Acq: 23 Sep 2015 13:24

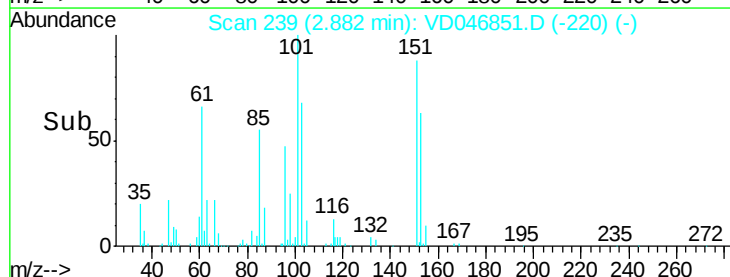
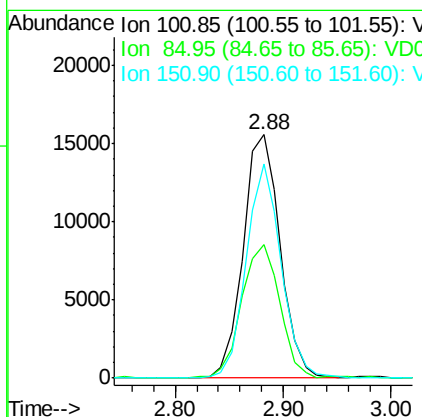
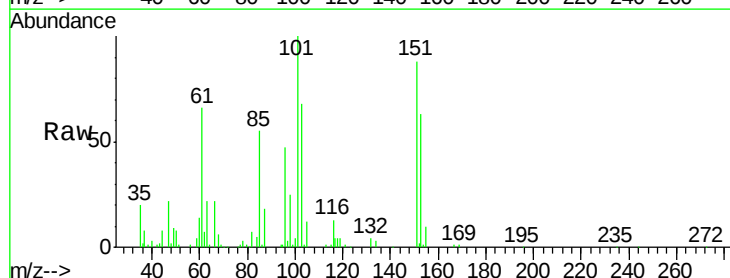
Tgt Ion: 101 Resp: 37024

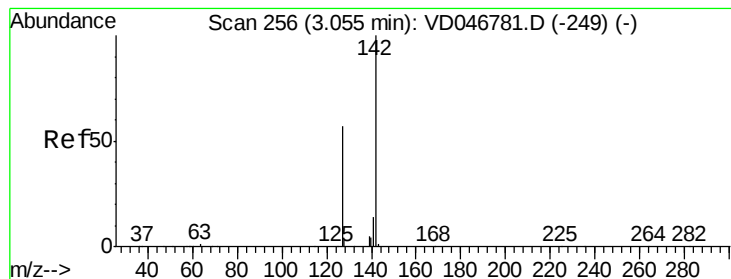
Ion Ratio Lower Upper

101 100

85 54.9 42.0 63.0

151 88.2 65.2 97.8





#11

Methvl Iodide

Concen: 19.87 ug/l

RT: 3.04 min Scan# 255

Delta R.T. -0.02 min

Lab File: VD046851.D

Acq: 23 Sep 2015 13:24

Instrument :

MSVOA_D

ClientSampleId :

VD0923SBSD01

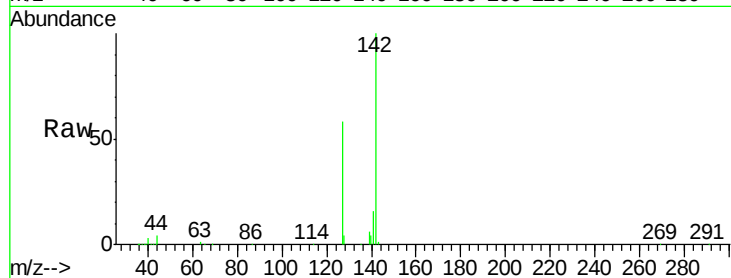
Tot Ion:142 Resp: 39027

Ion Ratio Lower Upper

142 100

127 57.9 41.2 61.8

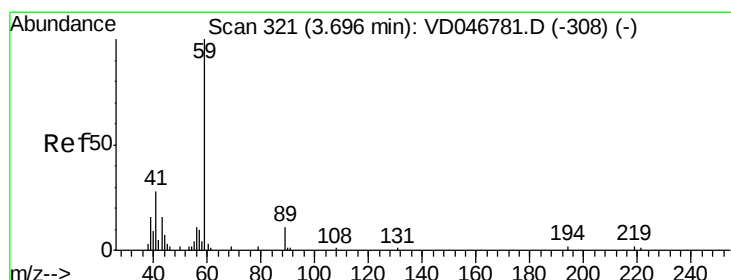
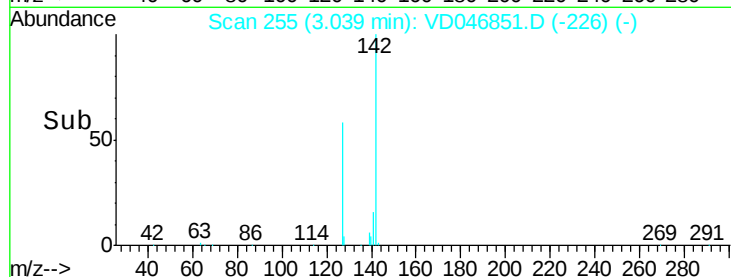
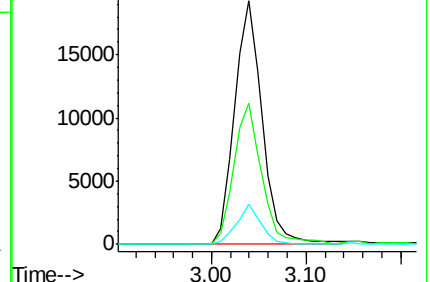
141 16.4 11.6 17.4



Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



#12

Tert butyl alcohol

Concen: 85.10 ug/l

RT: 3.67 min Scan# 319

Delta R.T. -0.03 min

Lab File: VD046851.D

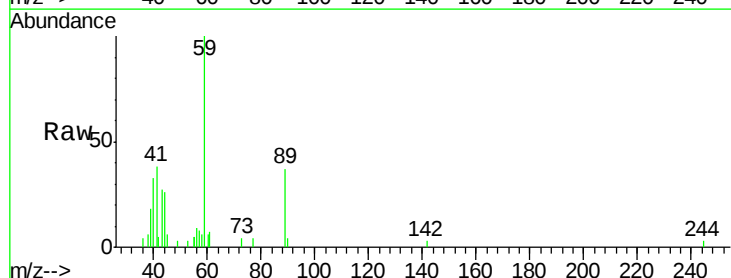
Acq: 23 Sep 2015 13:24

Tgt Ion: 59 Resp: 7348

Ion Ratio Lower Upper

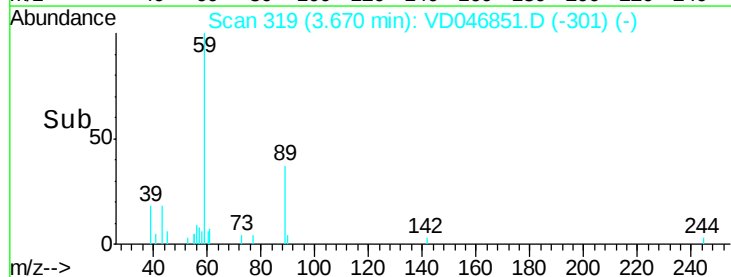
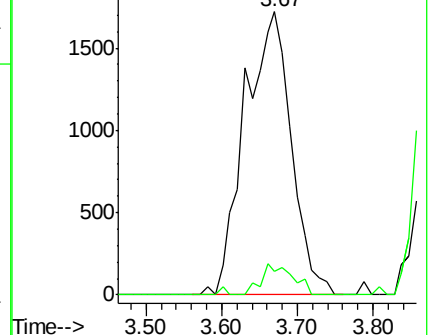
59 100

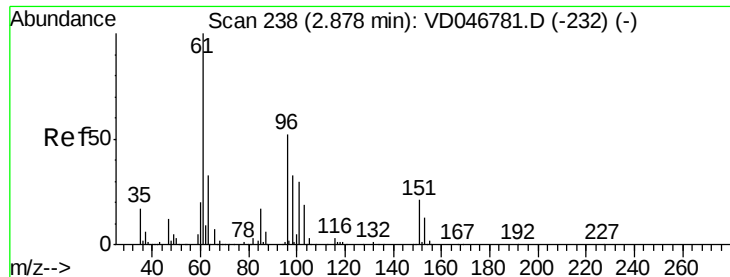
57 8.4 7.8 11.6



Abundance Ion 58.95 (58.65 to 59.65): V

Ion 56.95 (56.65 to 57.65): V





#13

1,1-Dichloroethene

Concen: 21.33 ug/l

RT: 2.86 min Scan# 237

Delta R.T. -0.02 min

Lab File: VD046851.D

Acq: 23 Sep 2015 13:24

Instrument :

MSVOA_D

ClientSampleId :

VD0923SBS01

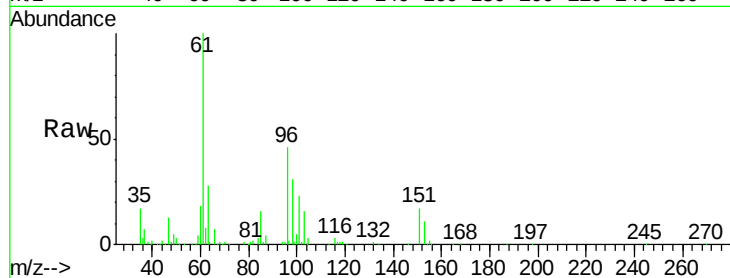
Tot Ion: 96 Resp: 29665

Ion Ratio Lower Upper

96 100

61 218.3 152.2 228.4

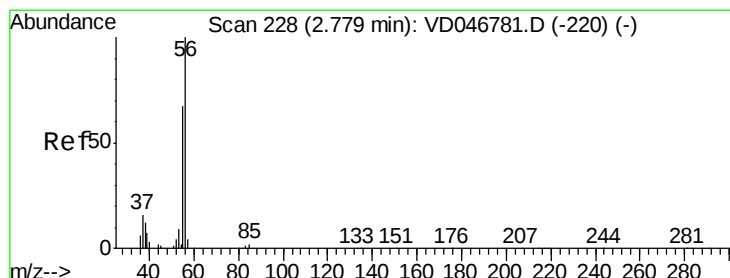
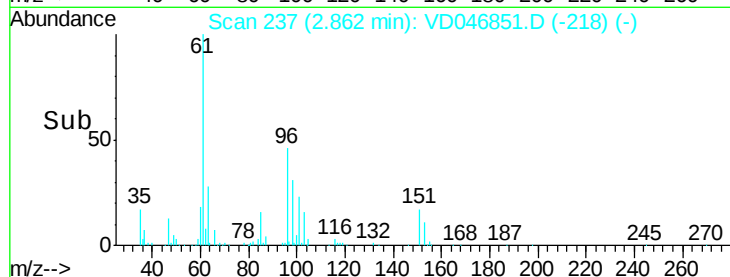
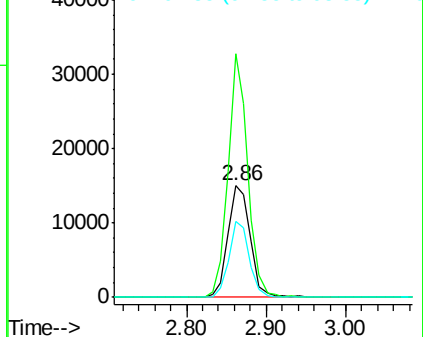
98 68.4 51.2 76.8



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: 72.52 ug/l

RT: 2.76 min Scan# 227

Delta R.T. -0.02 min

Lab File: VD046851.D

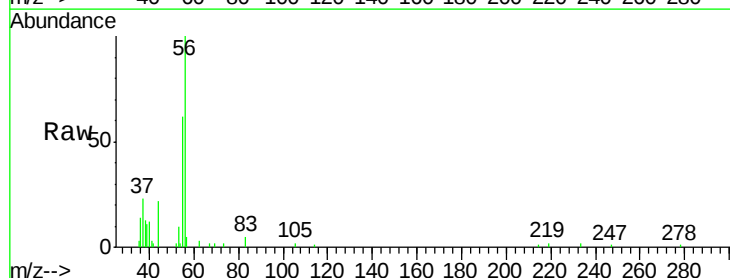
Acq: 23 Sep 2015 13:24

Tgt Ion: 56 Resp: 6688

Ion Ratio Lower Upper

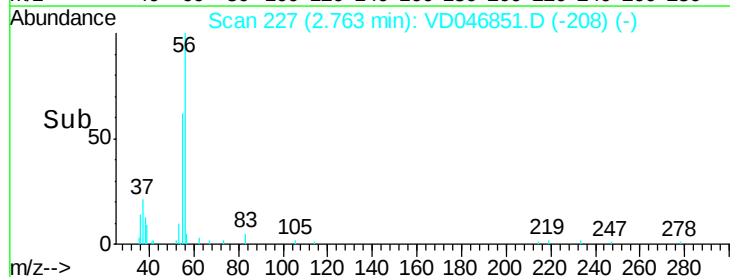
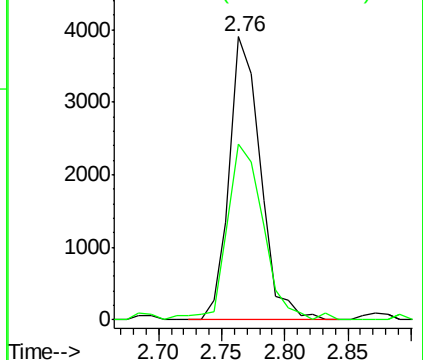
56 100

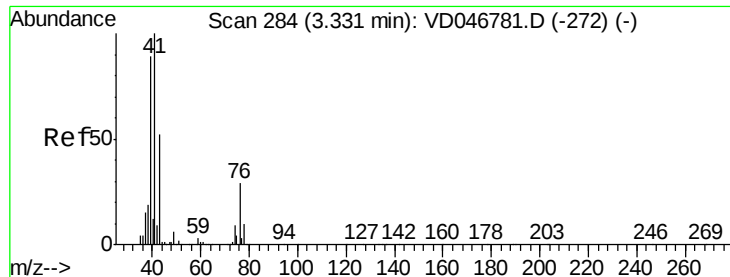
55 62.2 62.6 93.8#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC





#15

Allvl chloride

Concen: 19.52 ug/l

RT: 3.32 min Scan# 283

Delta R.T. -0.02 min

Lab File: VD046851.D

Acq: 23 Sep 2015 13:24

Instrument :

MSVOA_D

ClientSampleId :

VD0923SBSD01

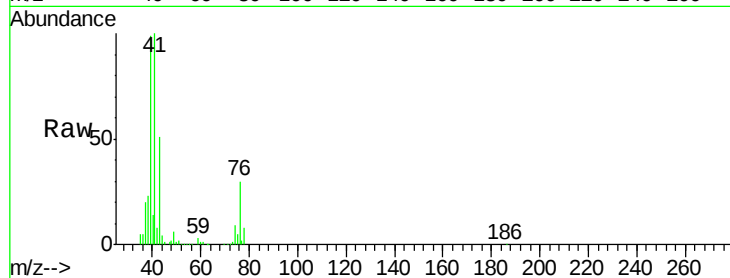
Tot Ion: 41 Resp: 55118

Ion Ratio Lower Upper

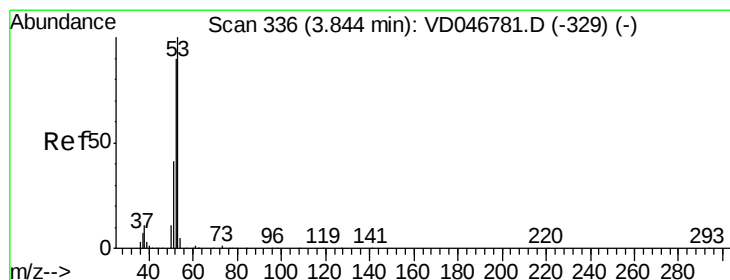
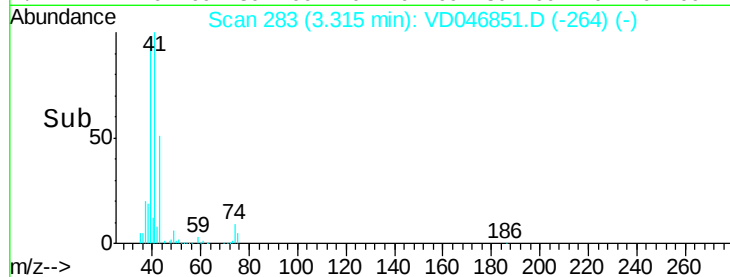
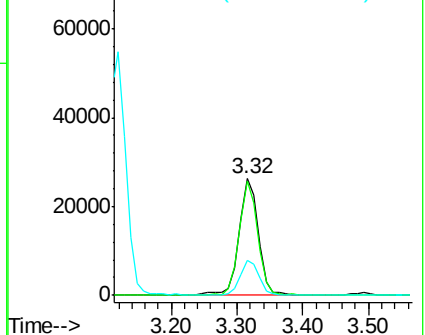
41 100

39 98.5 58.8 88.2#

76 29.6 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: 87.25 ug/l

RT: 3.82 min Scan# 334

Delta R.T. -0.03 min

Lab File: VD046851.D

Acq: 23 Sep 2015 13:24

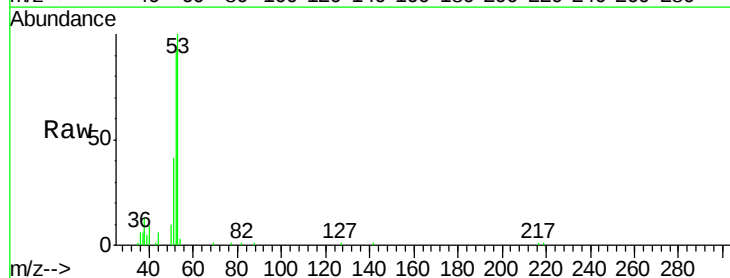
Tgt Ion: 53 Resp: 18389

Ion Ratio Lower Upper

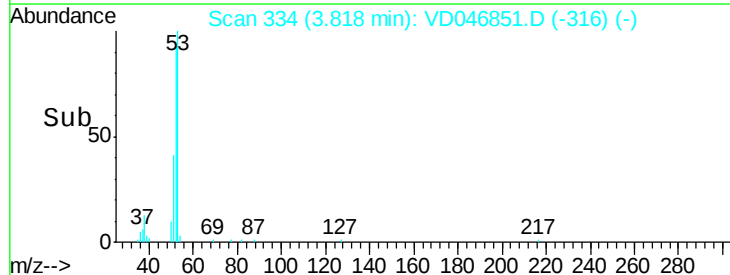
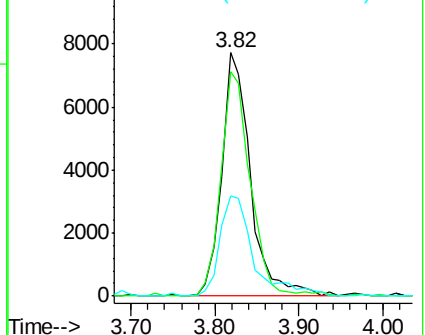
53 100

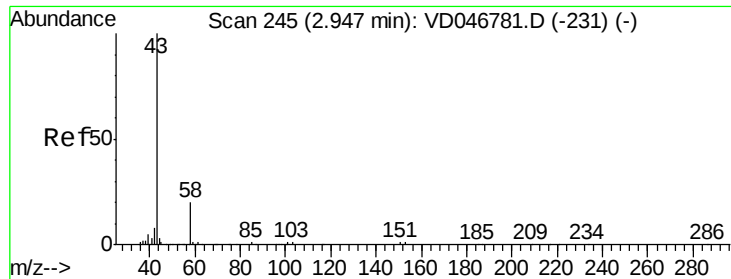
52 92.3 66.8 100.2

51 41.2 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

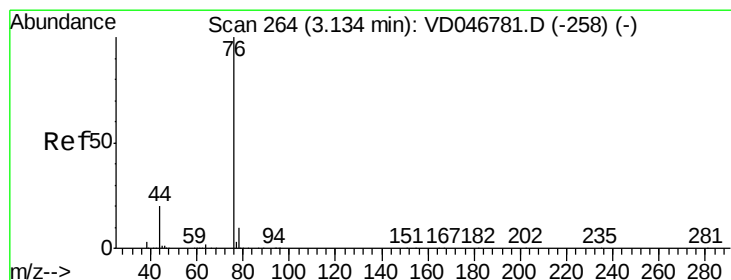
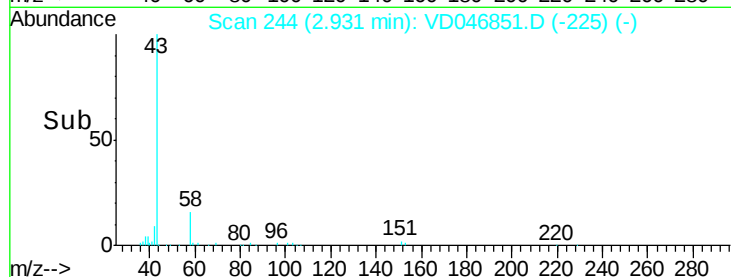
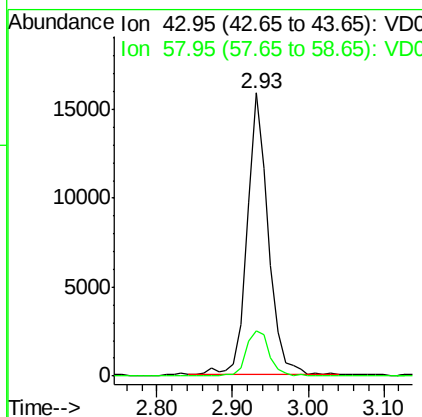
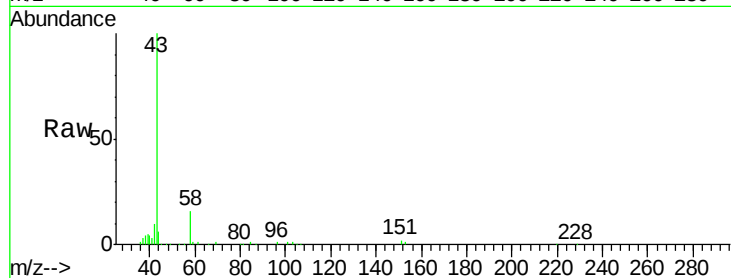




#17
Acetone
Concen: 100.84 ug/l
RT: 2.93 min Scan# 244
Delta R.T. -0.02 min
Lab File: VD046851.D
Acq: 23 Sep 2015 13:24

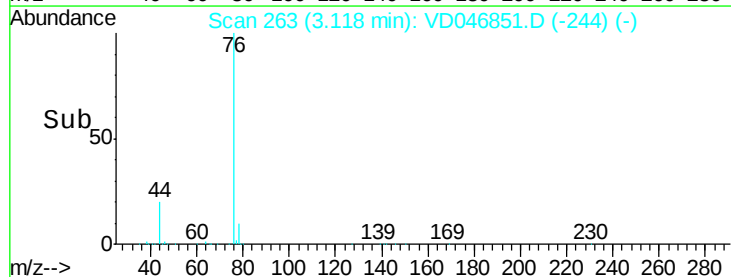
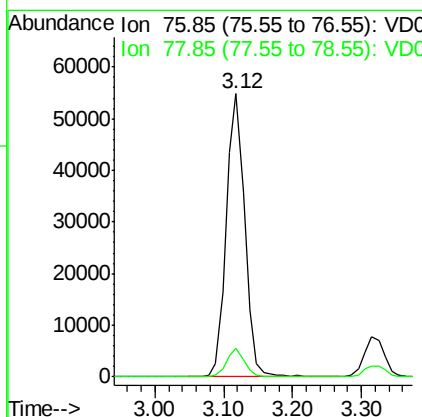
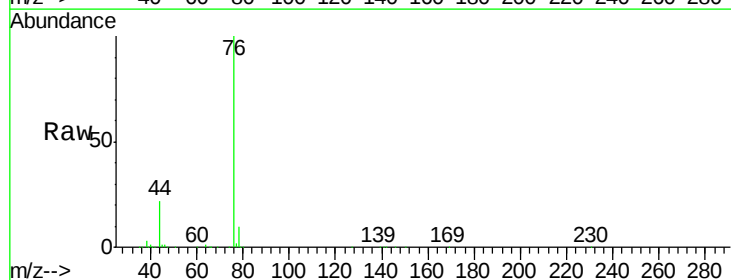
Instrument :
MSVOA_D
ClientSampleId :
VD0923SBSD01

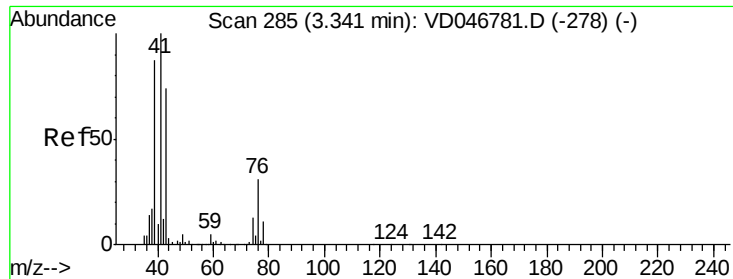
Tot Ion: 43 Resp: 30756
Ion Ratio Lower Upper
43 100
58 15.9 16.6 24.8#



#18
Carbon Disulfide
Concen: 19.50 ug/l
RT: 3.12 min Scan# 263
Delta R.T. -0.02 min
Lab File: VD046851.D
Acq: 23 Sep 2015 13:24

Tgt Ion: 76 Resp: 101624
Ion Ratio Lower Upper
76 100
78 9.9 8.0 12.0

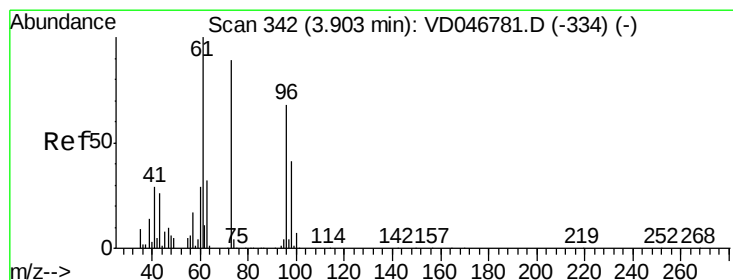
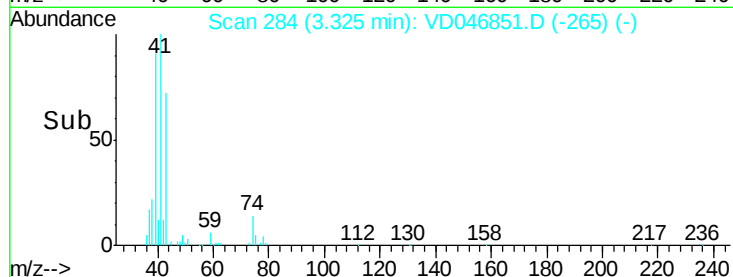
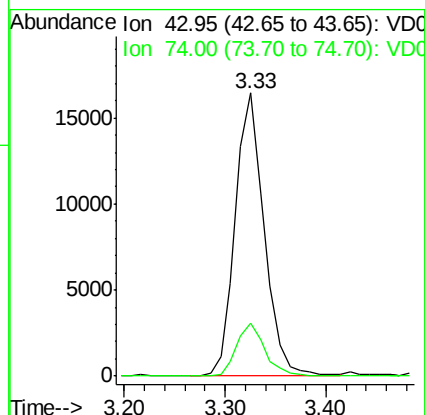
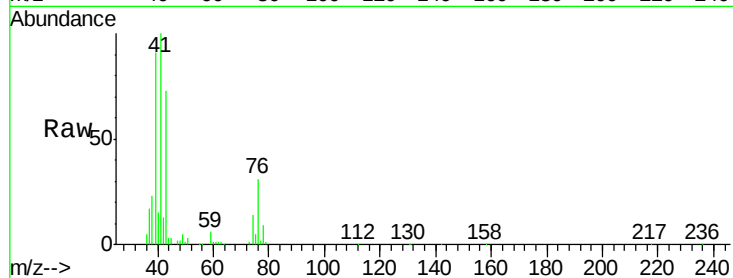




#19
Methyl Acetate
Concen: 18.61 ug/l
RT: 3.33 min Scan# 284
Delta R.T. -0.02 min
Lab File: VD046851.D
Acq: 23 Sep 2015 13:24

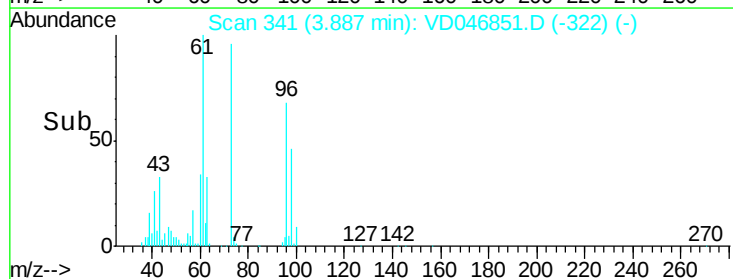
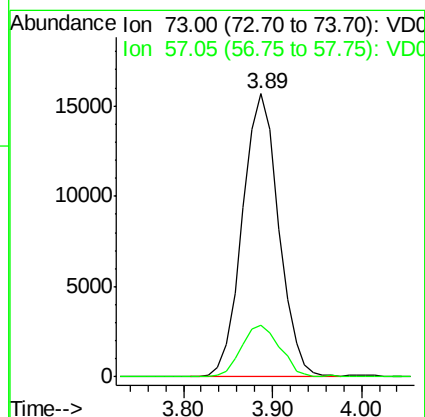
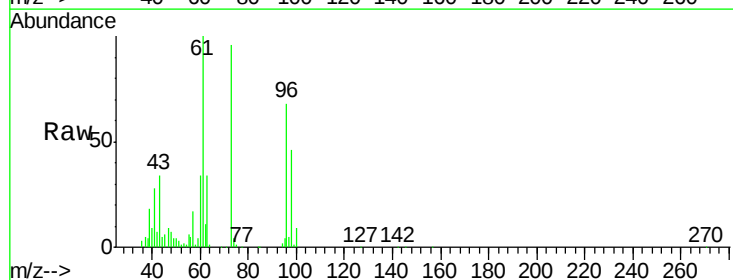
Instrument :
MSVOA_D
ClientSampleId :
VD0923SBS01

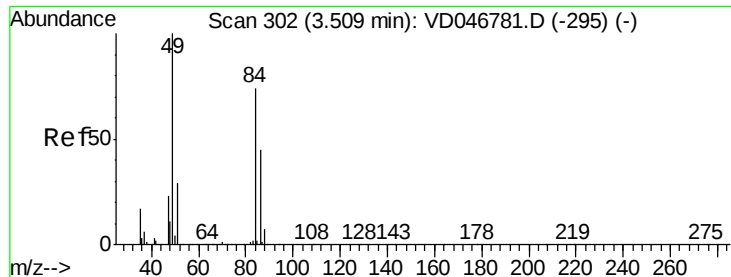
Tot Ion: 43 Resp: 32888
Ion Ratio Lower Upper
43 100
74 18.8 13.7 20.5



#20
Methyl tert-butyl Ether
Concen: 20.36 ug/l
RT: 3.89 min Scan# 341
Delta R.T. -0.02 min
Lab File: VD046851.D
Acq: 23 Sep 2015 13:24

Tgt Ion: 73 Resp: 44364
Ion Ratio Lower Upper
73 100
57 18.1 18.1 27.1

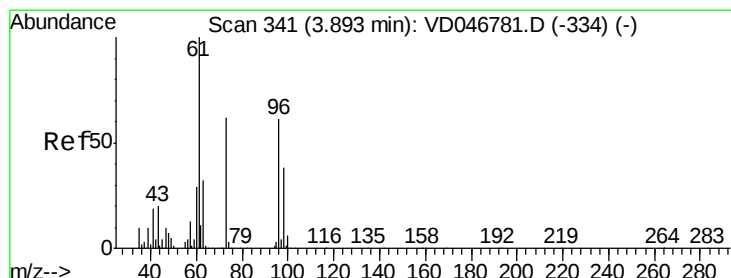
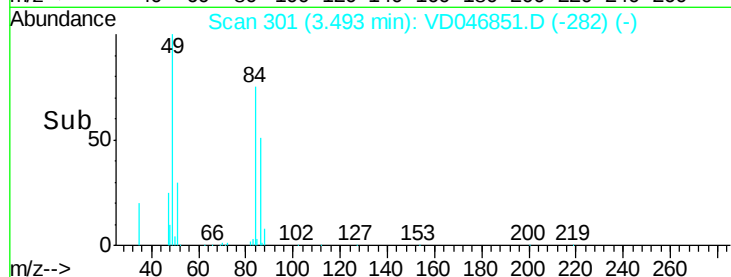
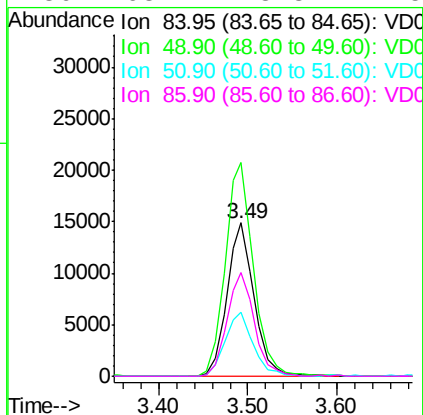
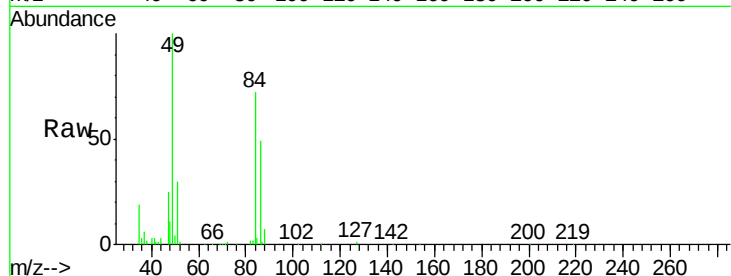




#21
Methylene Chloride
Concen: 19.11 ug/l
RT: 3.49 min Scan# 301
Delta R.T. -0.02 min
Lab File: VD046851.D
Acq: 23 Sep 2015 13:24

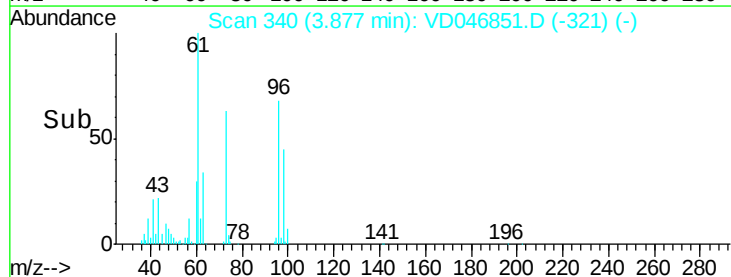
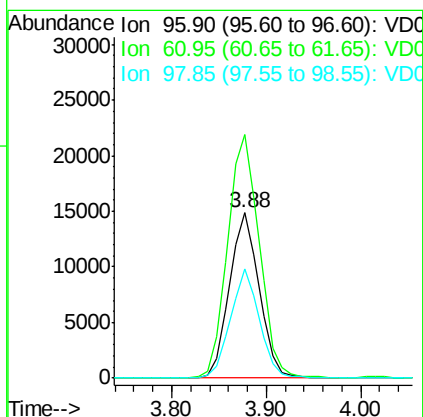
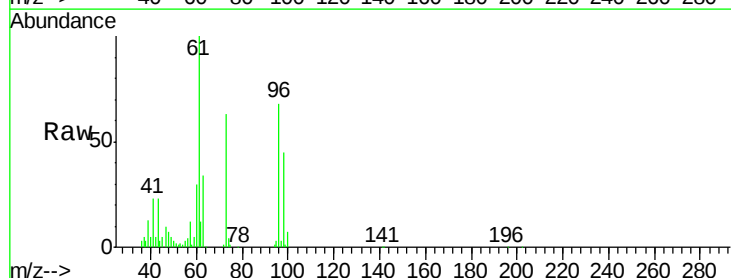
Instrument :
MSVOA_D
ClientSampleId :
VD0923SBSD01

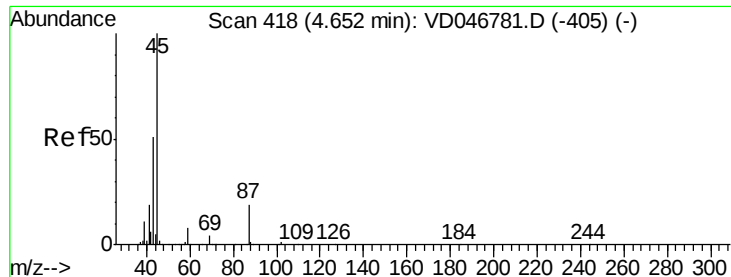
Tot Ion: 84 Resp: 31648
Ion Ratio Lower Upper
84 100
49 139.5 122.1 183.1
51 42.1 33.6 50.4
86 68.1 48.3 72.5



#22
trans-1,2-Dichloroethene
Concen: 20.55 ug/l
RT: 3.88 min Scan# 340
Delta R.T. -0.02 min
Lab File: VD046851.D
Acq: 23 Sep 2015 13:24

Tgt Ion: 96 Resp: 32235
Ion Ratio Lower Upper
96 100
61 147.4 125.8 188.6
98 65.9 54.5 81.7

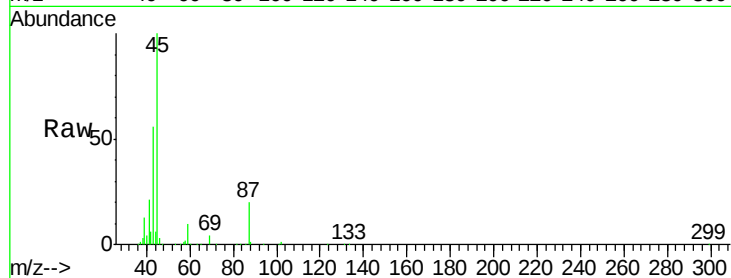




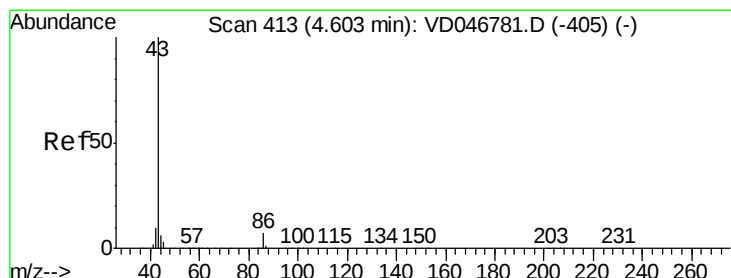
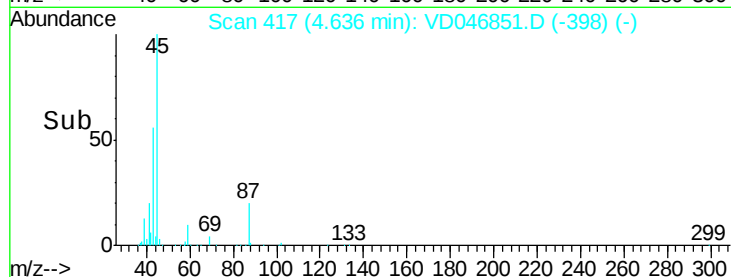
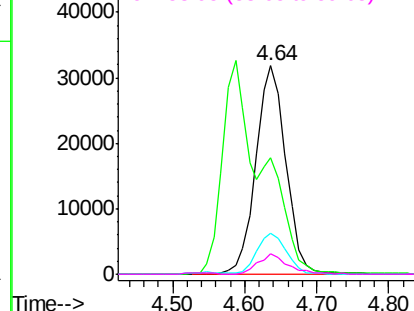
#23
Diisopropyl ether
Concen: 19.73 ug/l
RT: 4.64 min Scan# 417
Delta R.T. -0.02 min
Lab File: VD046851.D
Acq: 23 Sep 2015 13:24

Instrument :
MSVOA_D
ClientSampleId :
VD0923SBSD01

Tot Ion:	45	Resp:	92487
Ion	Ratio	Lower	Upper
45	100		
43	55.7	35.9	53.9#
87	19.8	13.0	19.6#
59	9.7	7.0	10.6

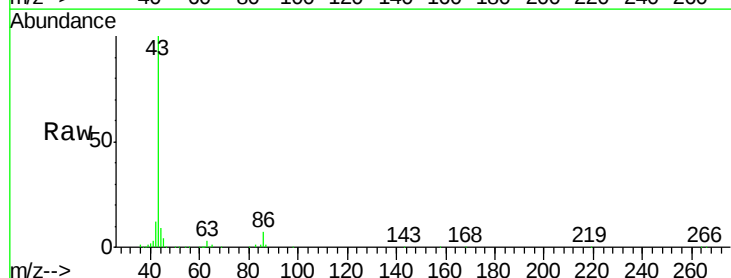


Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC

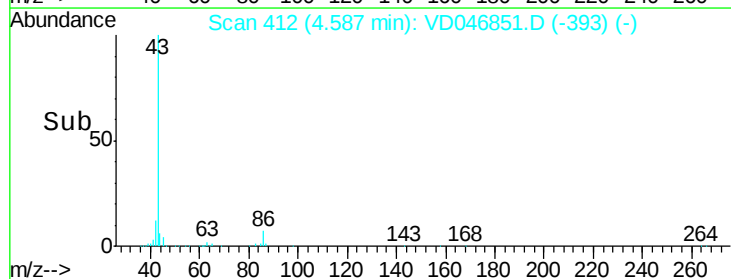
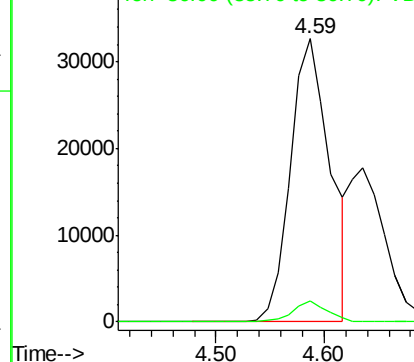


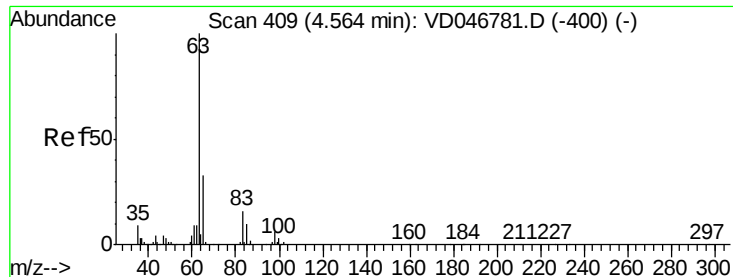
#24
Vinyl Acetate
Concen: 86.41 ug/l
RT: 4.59 min Scan# 412
Delta R.T. -0.02 min
Lab File: VD046851.D
Acq: 23 Sep 2015 13:24

Tgt Ion:	43	Resp:	83493
Ion	Ratio	Lower	Upper
43	100		
86	7.5	4.9	7.3#



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





#25

1,1-Dichloroethane

Concen: 20.71 ug/l

RT: 4.54 min Scan# 407

Delta R.T. -0.03 min

Lab File: VD046851.D

Acq: 23 Sep 2015 13:24

Instrument :

MSVOA_D

ClientSampleId :

VD0923SBSD01

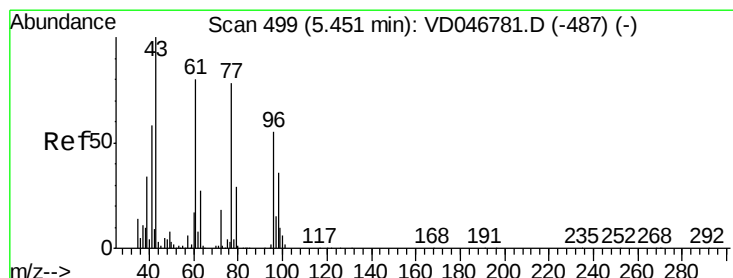
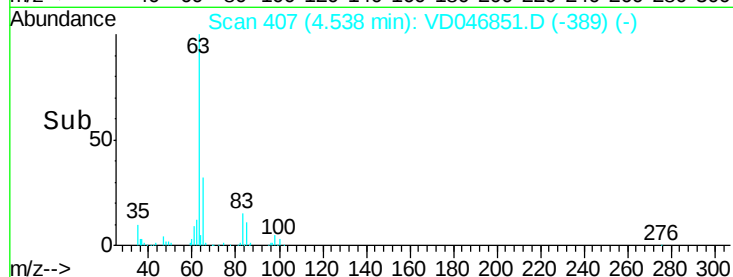
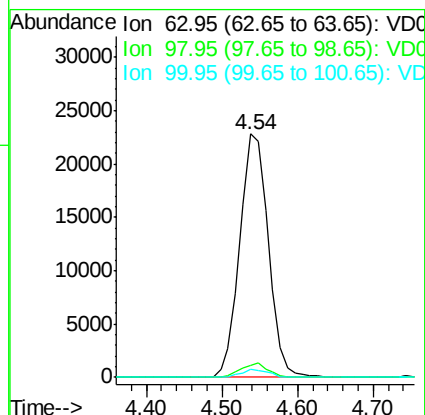
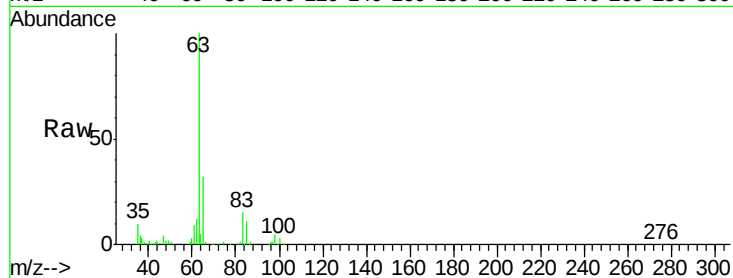
Tot Ion: 63 Resp: 59820

Ion Ratio Lower Upper

63 100

98 4.7 2.5 7.5

100 3.1 1.5 4.5



#26

2-Butanone

Concen: 99.11 ug/l

RT: 5.43 min Scan# 498

Delta R.T. -0.02 min

Lab File: VD046851.D

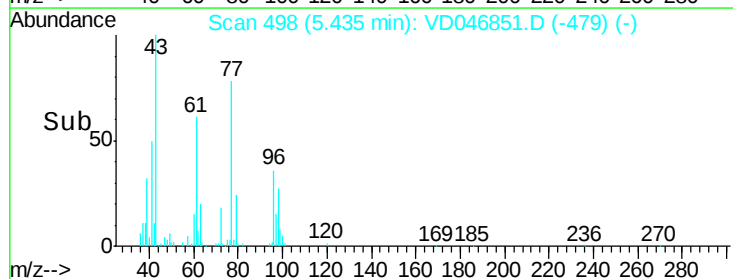
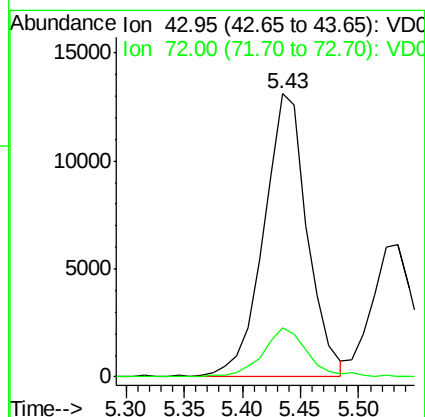
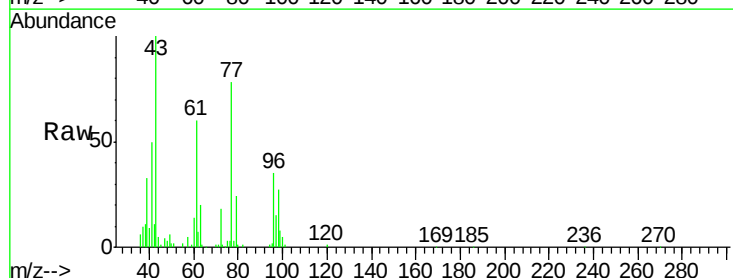
Acq: 23 Sep 2015 13:24

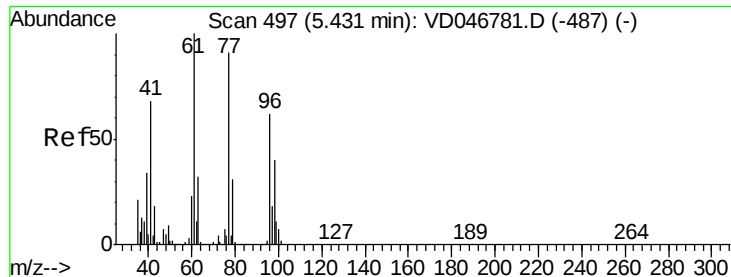
Tgt Ion: 43 Resp: 33973

Ion Ratio Lower Upper

43 100

72 17.6 13.4 20.0





#27

2,2-Dichloropropane

Concen: 22.51 ug/l

RT: 5.41 min Scan# 495

Delta R.T. -0.03 min

Lab File: VD046851.D

Acq: 23 Sep 2015 13:24

Instrument :

MSVOA_D

ClientSampleId :

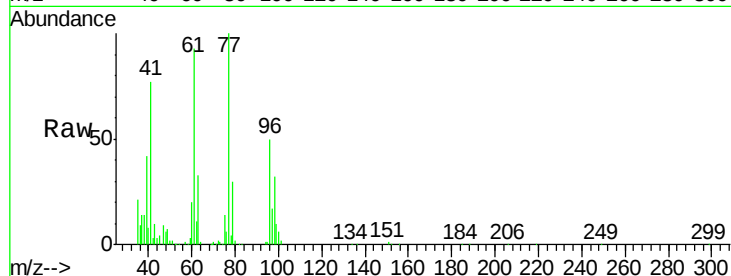
VD0923SBSD01

Tot Ion: 77 Resp: 66800

Ion Ratio Lower Upper

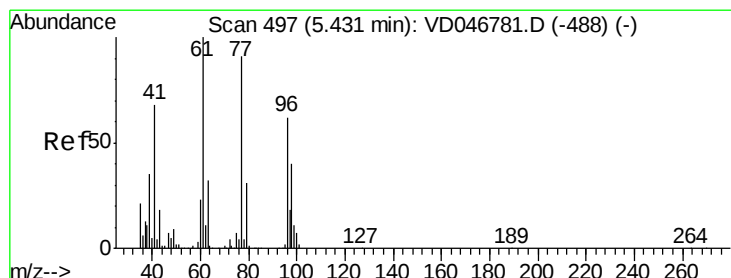
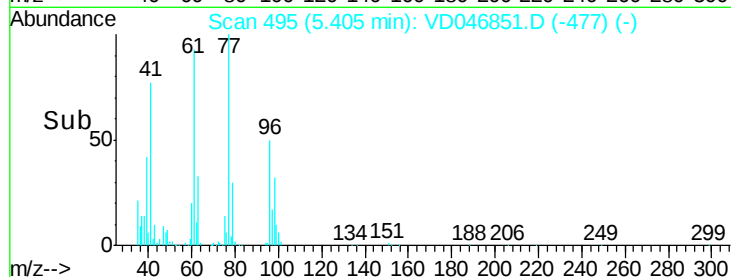
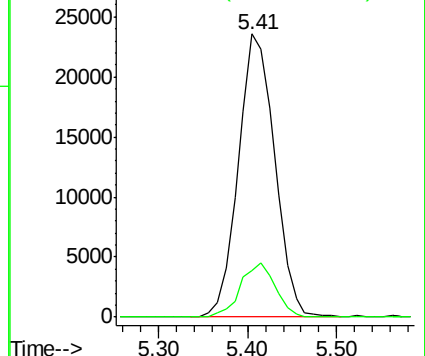
77 100

97 16.7 10.4 31.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



#28

cis-1,2-Dichloroethene

Concen: 19.88 ug/l

RT: 5.41 min Scan# 496

Delta R.T. -0.02 min

Lab File: VD046851.D

Acq: 23 Sep 2015 13:24

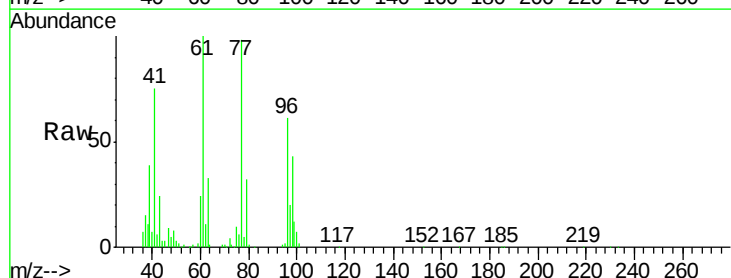
Tgt Ion: 96 Resp: 32464

Ion Ratio Lower Upper

96 100

61 164.0 0.0 348.0

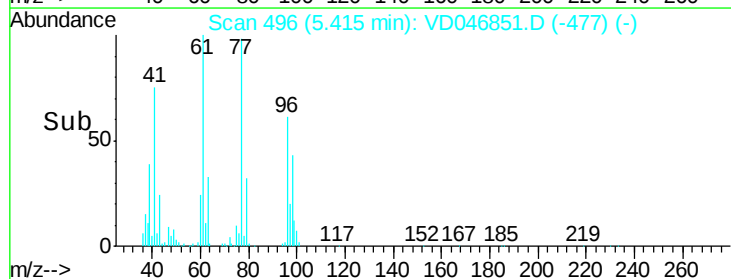
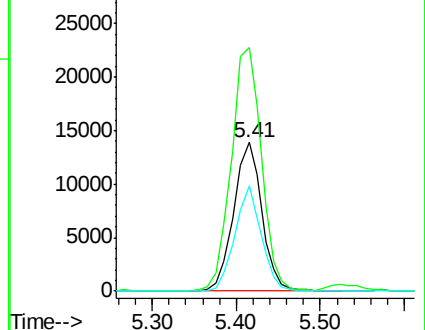
98 70.7 0.0 128.8

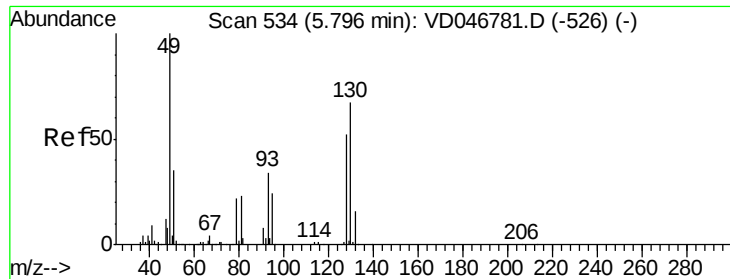


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#29

Bromochloromethane

Concen: 19.42 ug/l

RT: 5.77 min Scan# 532

Delta R.T. -0.03 min

Lab File: VD046851.D

Acq: 23 Sep 2015 13:24

Instrument :

MSVOA_D

ClientSampleId :

VD0923SBS01

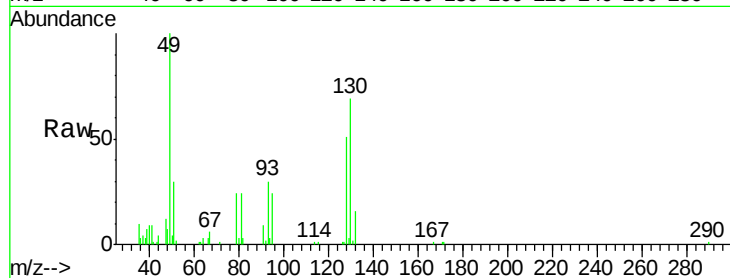
Tot Ion: 49 Resp: 22103

Ion Ratio Lower Upper

49 100

129 3.0 0.0 2.8#

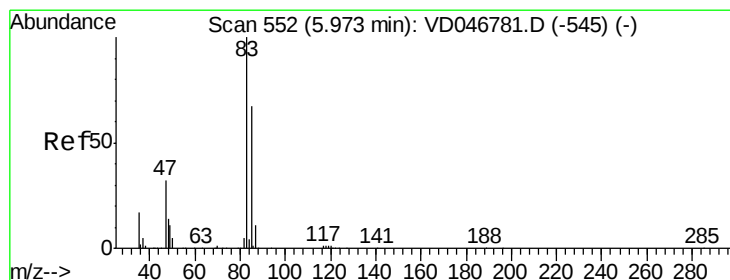
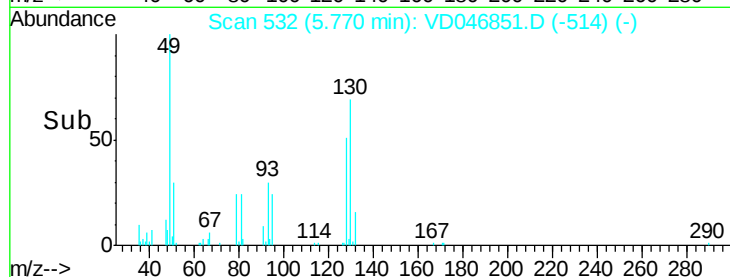
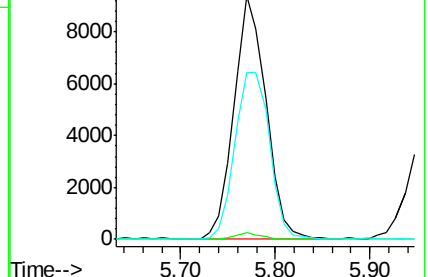
130 68.7 50.2 75.4



Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): VDC

Ion 129.80 (129.50 to 130.50): VDC



#30

Chloroform

Concen: 22.14 ug/l

RT: 5.96 min Scan# 551

Delta R.T. -0.02 min

Lab File: VD046851.D

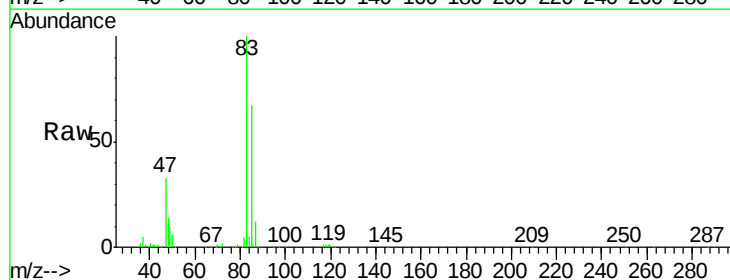
Acq: 23 Sep 2015 13:24

Tgt Ion: 83 Resp: 77565

Ion Ratio Lower Upper

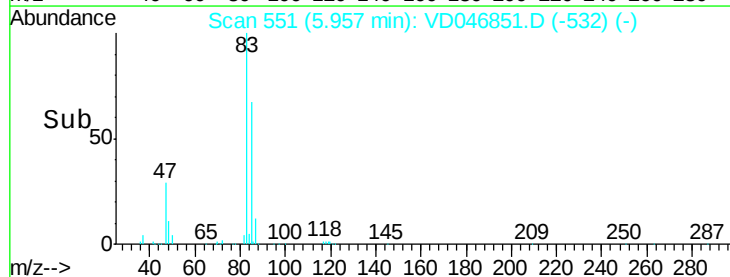
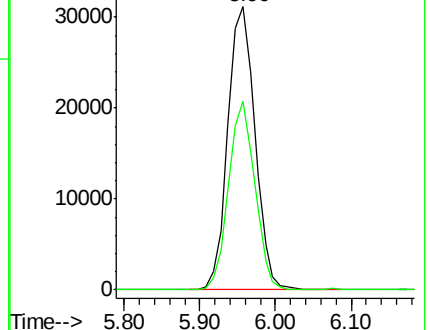
83 100

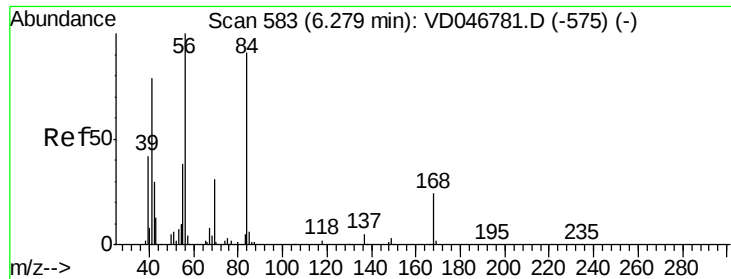
85 66.8 52.5 78.7



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

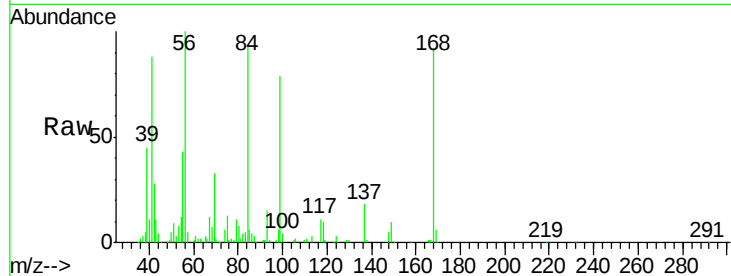




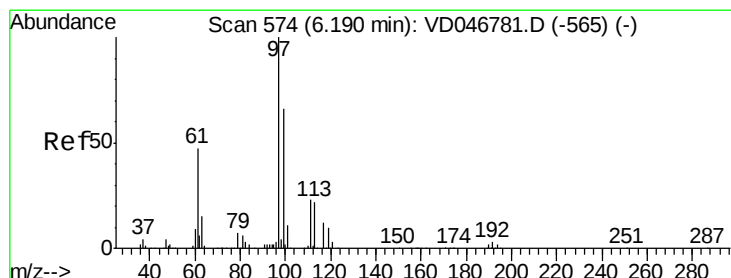
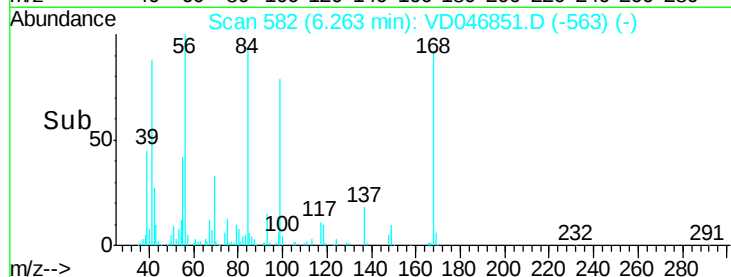
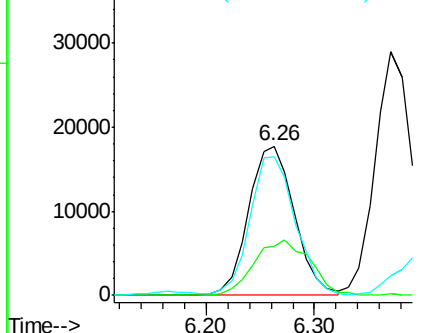
#31
Cyclohexane
Concen: 19.28 ug/l
RT: 6.26 min Scan# 582
Delta R.T. -0.02 min
Lab File: VD046851.D
Acq: 23 Sep 2015 13:24

Instrument :
MSVOA_D
ClientSampleId :
VD0923SBSD01

Tot Ion: 56 Resp: 52252
Ion Ratio Lower Upper
56 100
69 32.7 23.4 35.0
84 92.9 63.8 95.8

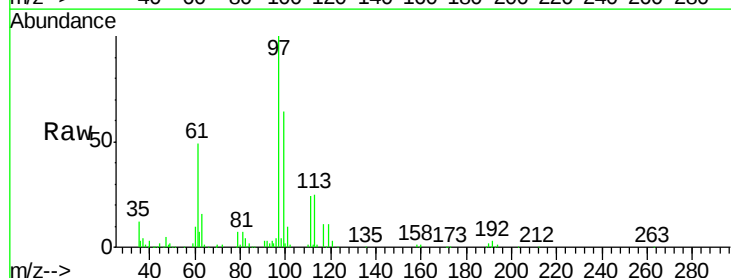


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

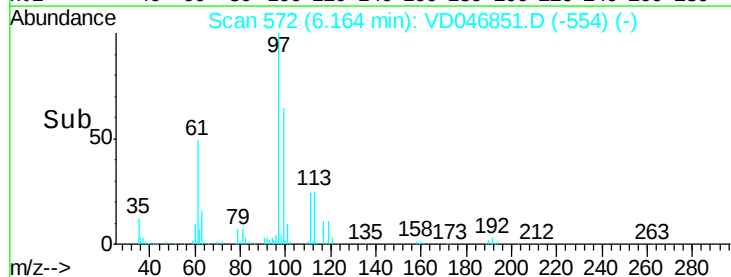
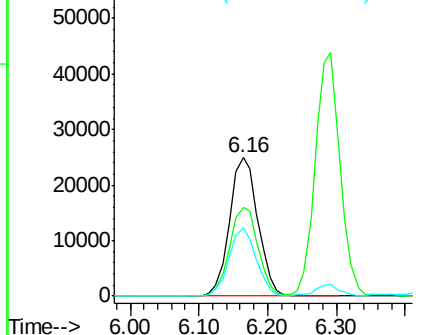


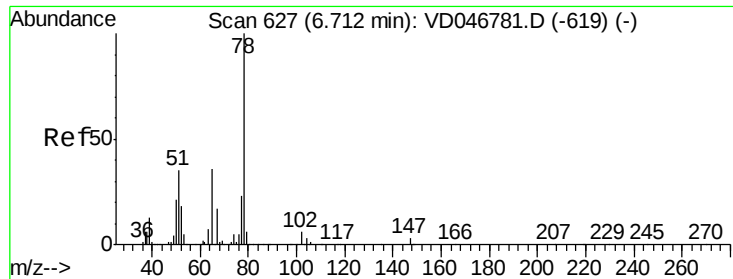
#32
1,1,1-Trichloroethane
Concen: 22.80 ug/l
RT: 6.16 min Scan# 572
Delta R.T. -0.03 min
Lab File: VD046851.D
Acq: 23 Sep 2015 13:24

Tgt Ion: 97 Resp: 71102
Ion Ratio Lower Upper
97 100
99 64.2 50.2 75.4
61 49.0 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: 22.80 ug/l

RT: 6.70 min Scan# 626

Delta R.T. -0.02 min

Lab File: VD046851.D

Acq: 23 Sep 2015 13:24

Instrument :

MSVOA_D

ClientSampleId :

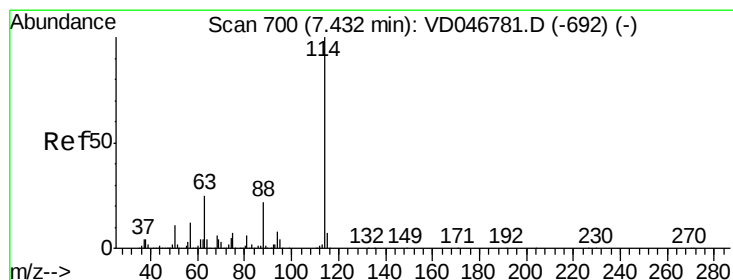
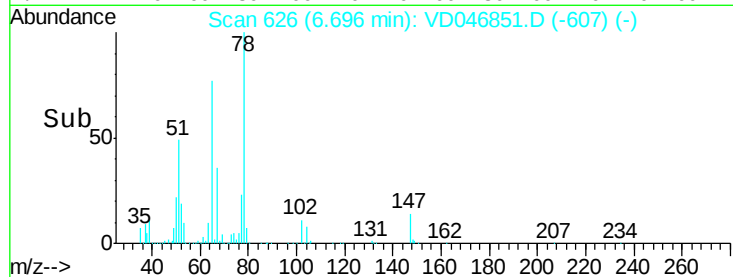
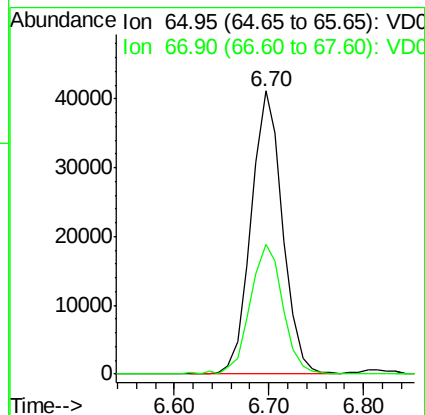
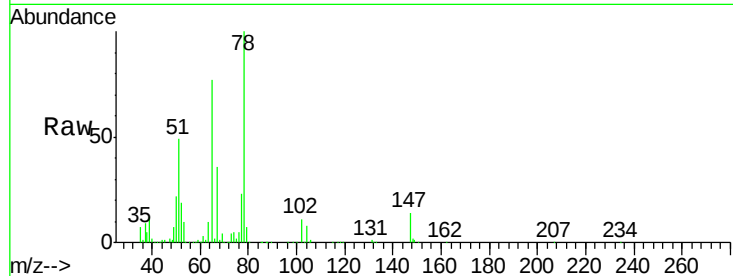
VD0923SBS01

Tot Ion: 65 Resp: 94990

Ion Ratio Lower Upper

65 100

67 46.0 0.0 105.4



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 7.42 min Scan# 699

Delta R.T. -0.02 min

Lab File: VD046851.D

Acq: 23 Sep 2015 13:24

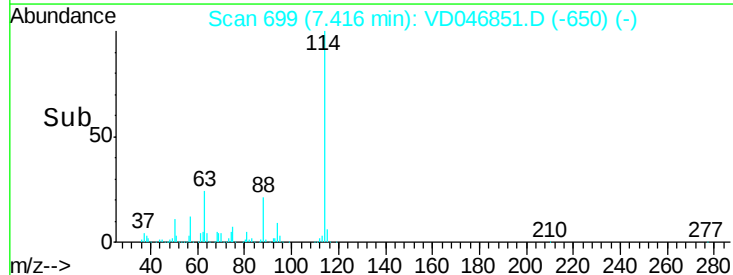
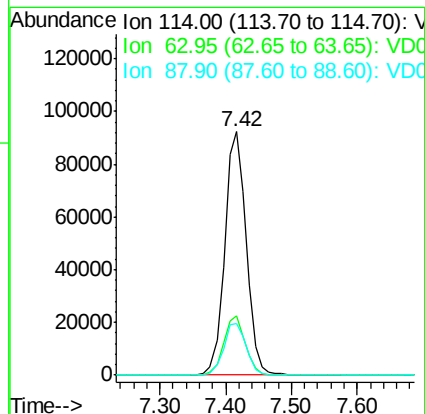
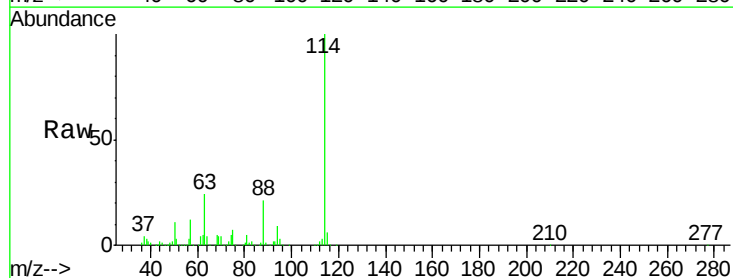
Tgt Ion: 114 Resp: 210030

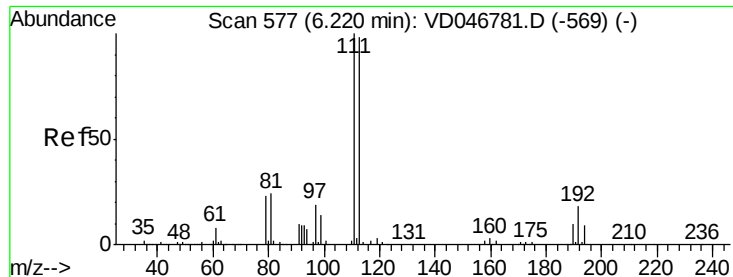
Ion Ratio Lower Upper

114 100

63 24.1 0.0 49.8

88 21.3 0.0 43.6

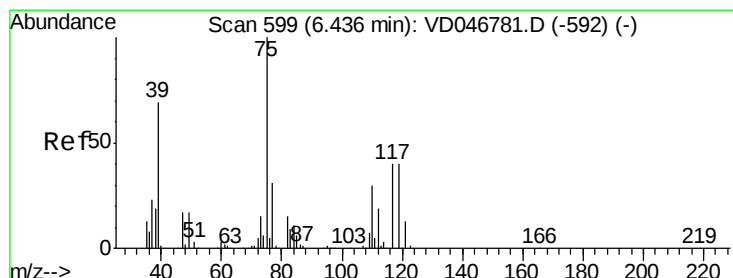
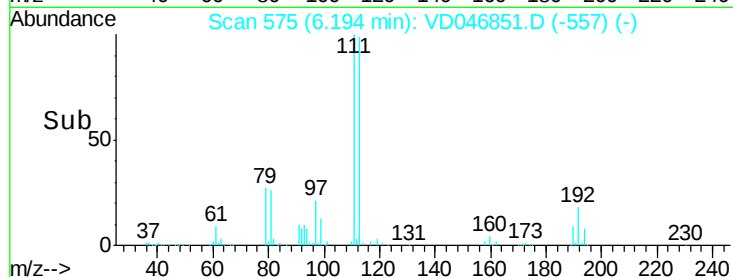
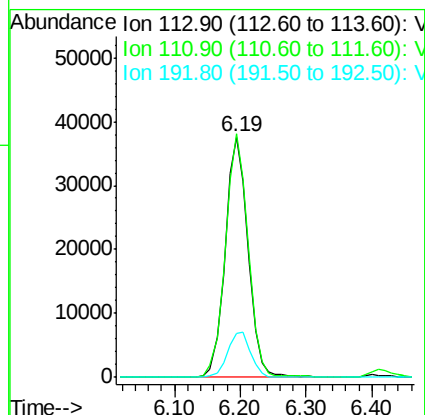
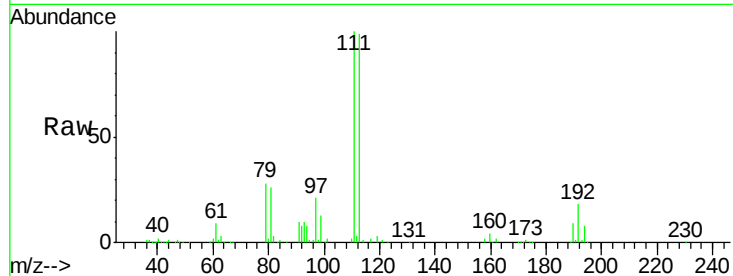




#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 6.19 min Scan# 575
 Delta R.T. -0.03 min
 Lab File: VD046851.D
 Acq: 23 Sep 2015 13:24

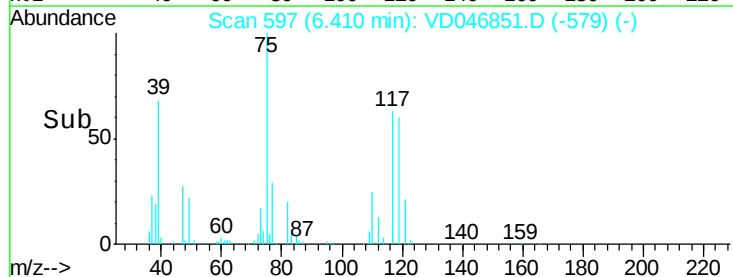
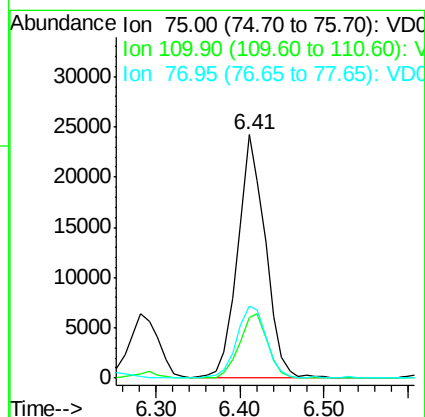
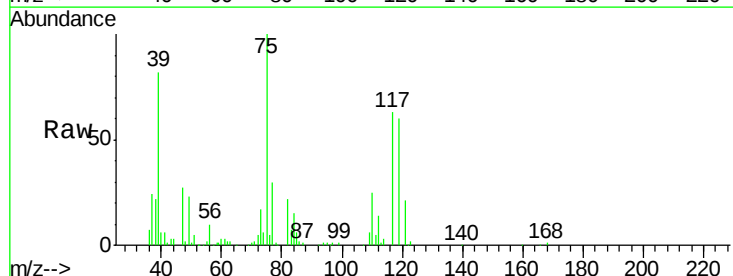
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0923SBSD01

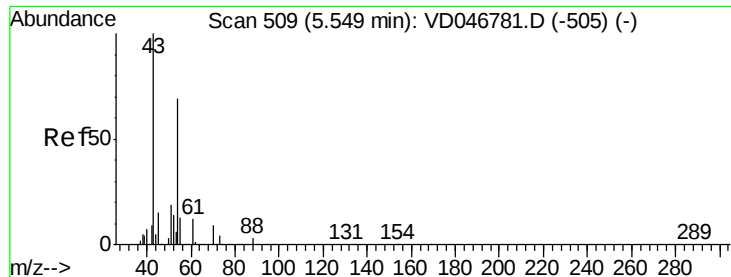
Tot Ion:113 Resp: 91249
 Ion Ratio Lower Upper
 113 100
 111 101.4 79.4 119.0
 192 18.5 14.6 22.0



#36
 1,1-Dichloropropene
 Concen: 22.68 ug/l
 RT: 6.41 min Scan# 597
 Delta R.T. -0.03 min
 Lab File: VD046851.D
 Acq: 23 Sep 2015 13:24

Tgt Ion: 75 Resp: 55680
 Ion Ratio Lower Upper
 75 100
 110 25.0 13.7 41.0
 77 29.7 24.7 37.1

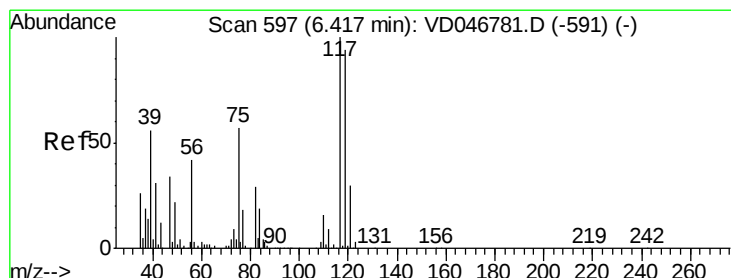
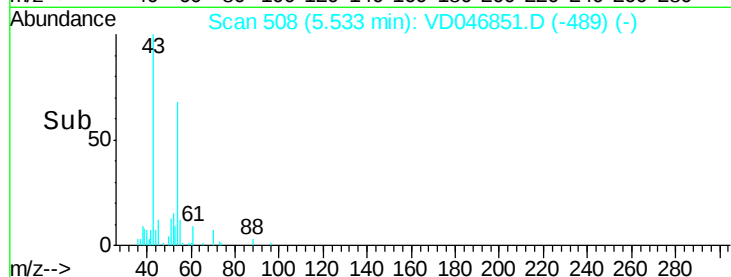
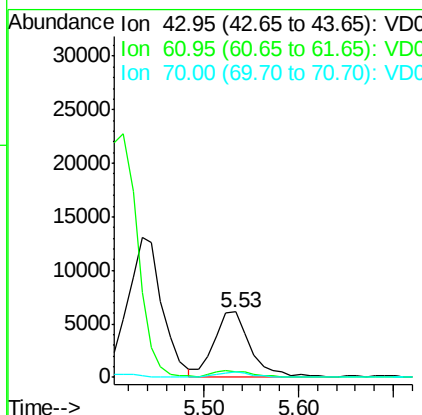
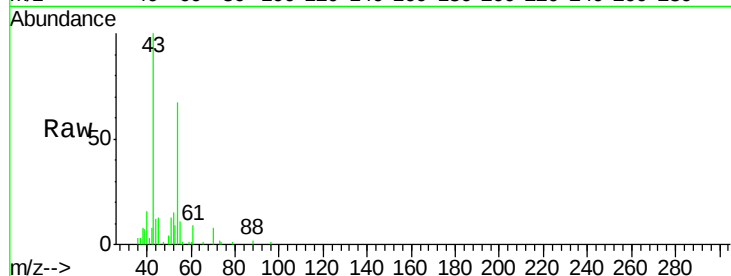




#37
Ethyl Acetate
Concen: 20.84 ug/l
RT: 5.53 min Scan# 508
Delta R.T. -0.02 min
Lab File: VD046851.D
Acq: 23 Sep 2015 13:24

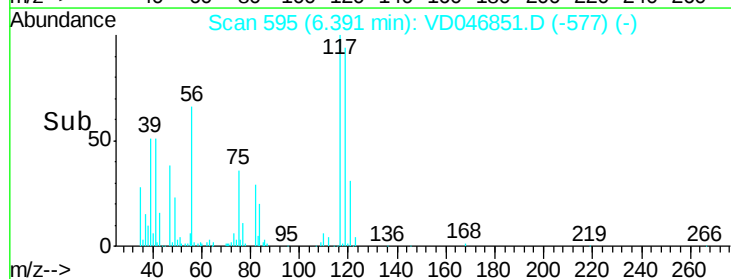
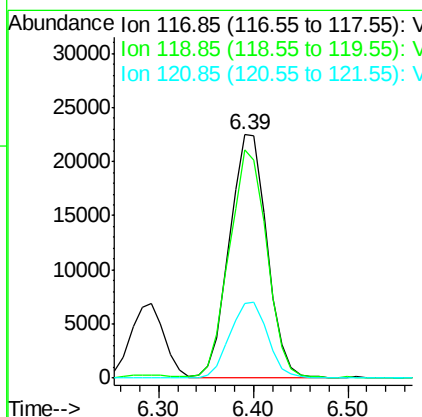
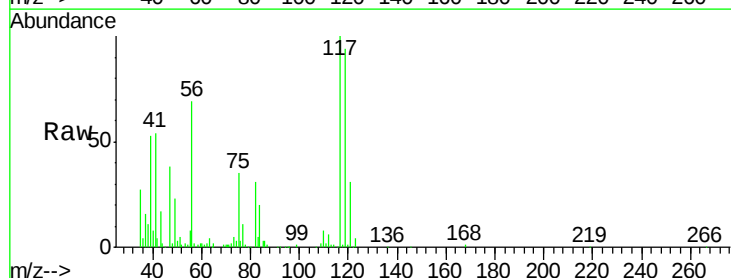
Instrument :
MSVOA_D
ClientSampleID :
VD0923SBSD01

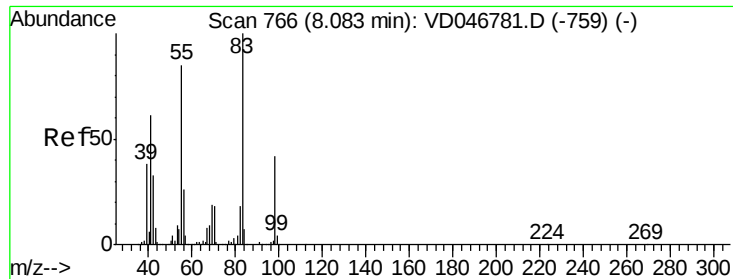
Tot Ion: 43 Resp: 16429
Ion Ratio Lower Upper
43 100
61 9.3 9.4 14.2#
70 7.7 6.0 9.0



#38
Carbon Tetrachloride
Concen: 24.32 ug/l
RT: 6.39 min Scan# 595
Delta R.T. -0.03 min
Lab File: VD046851.D
Acq: 23 Sep 2015 13:24

Tgt Ion: 117 Resp: 62028
Ion Ratio Lower Upper
117 100
119 93.6 76.2 114.4
121 30.8 24.5 36.7

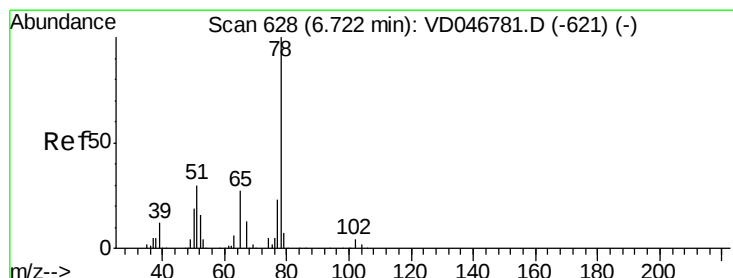
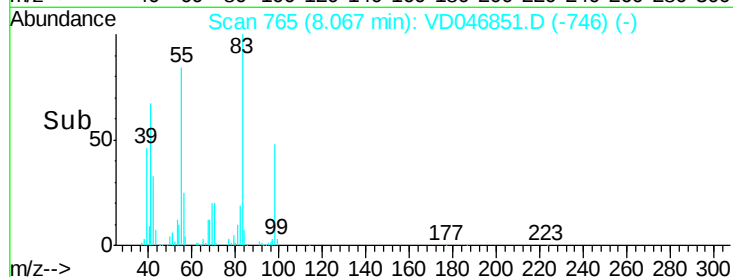
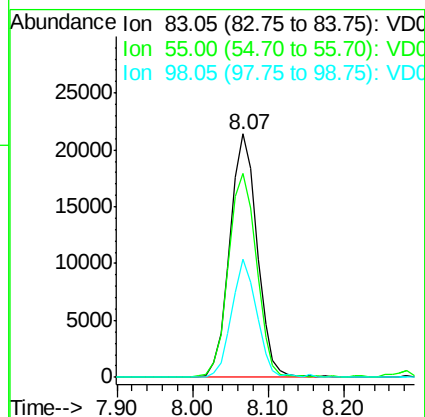
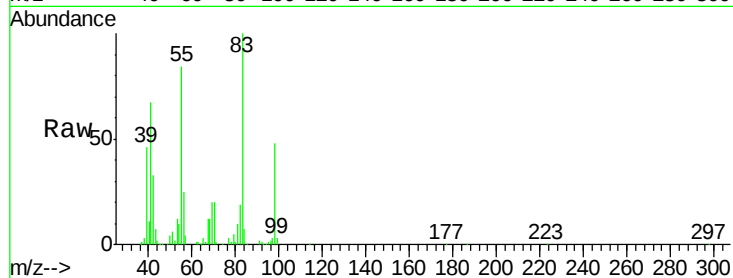




#39
Methvlcvclohexane
Concen: 21.45 ug/l
RT: 8.07 min Scan# 765
Delta R.T. -0.02 min
Lab File: VD046851.D
Acq: 23 Sep 2015 13:24

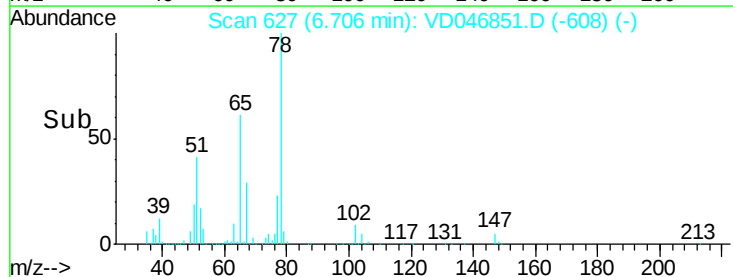
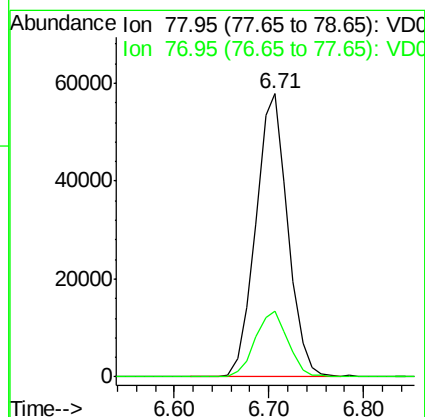
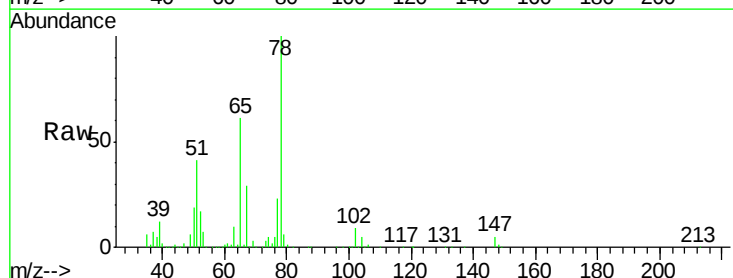
Instrument :
MSVOA_D
ClientSampleId :
VD0923SBSD01

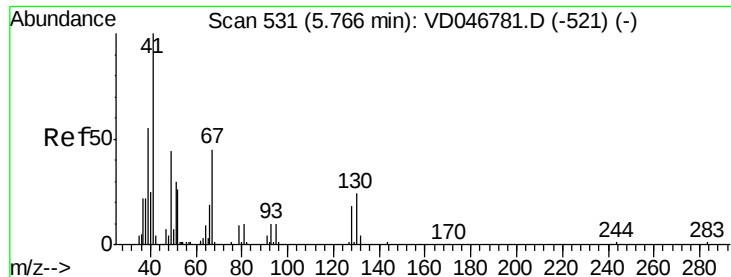
Tot Ion: 83 Resp: 53348
Ion Ratio Lower Upper
83 100
55 83.9 71.1 106.7
98 48.4 34.6 51.8



#40
Benzene
Concen: 21.71 ug/l
RT: 6.71 min Scan# 627
Delta R.T. -0.02 min
Lab File: VD046851.D
Acq: 23 Sep 2015 13:24

Tgt Ion: 78 Resp: 136045
Ion Ratio Lower Upper
78 100
77 23.3 19.9 29.9

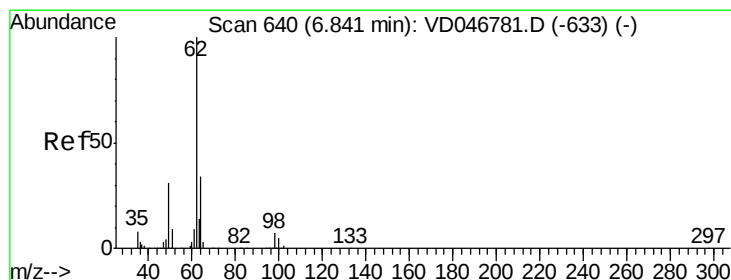
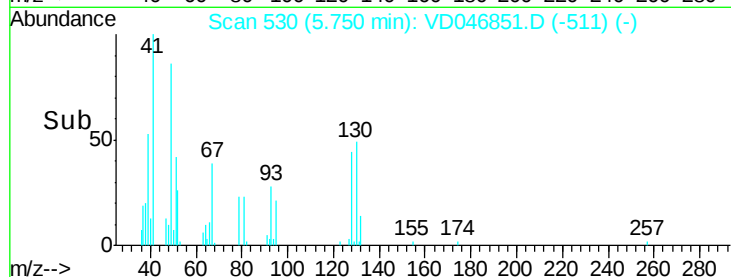
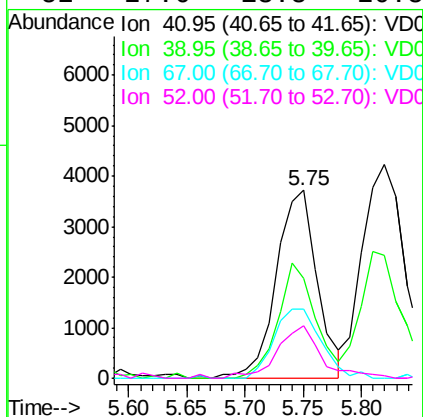
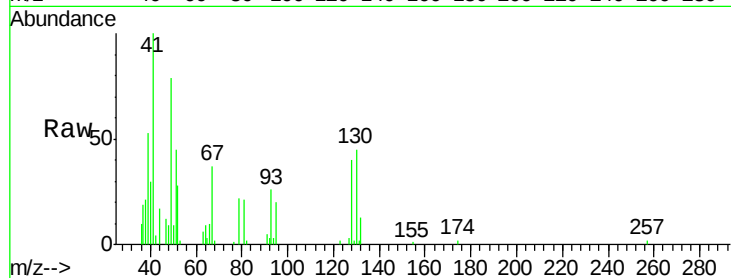




#41
Methacrylonitrile
Concen: 20.58 ug/l
RT: 5.75 min Scan# 530
Delta R.T. -0.02 min
Lab File: VD046851.D
Acq: 23 Sep 2015 13:24

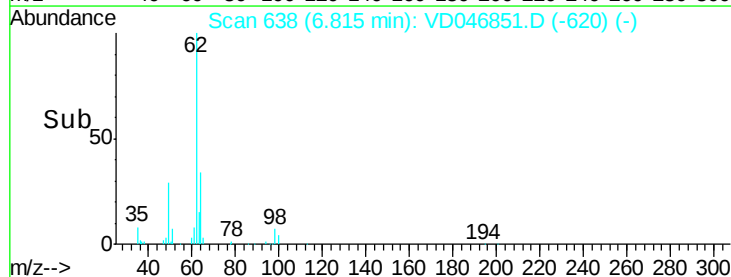
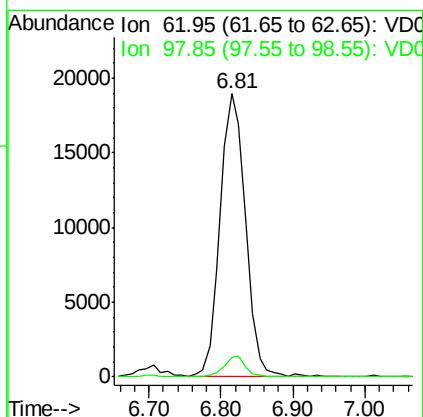
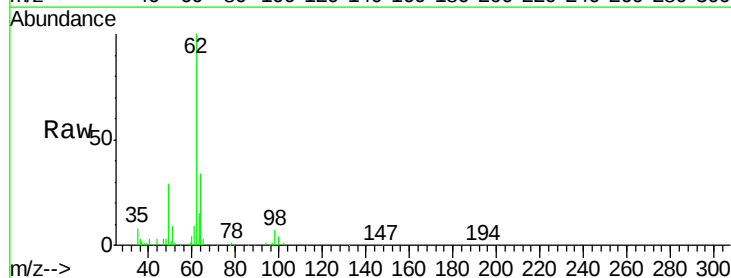
Instrument :
MSVOA_D
ClientSampleId :
VD0923SBSD01

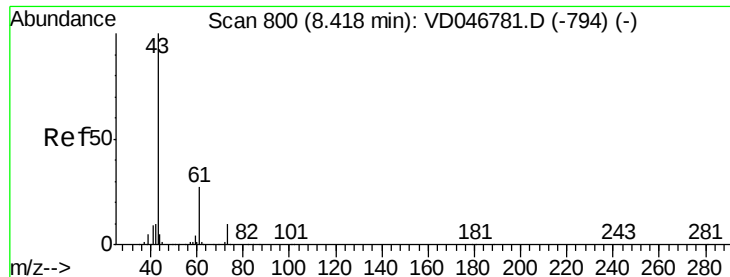
Tot Ion:	41	Resp:	9101
Ion	Ratio	Lower	Upper
41	100		
39	53.0	40.2	60.4
67	36.5	32.0	48.0
52	27.6	13.8	20.8#



#42
1,2-Dichloroethane
Concen: 23.79 ug/l
RT: 6.81 min Scan# 638
Delta R.T. -0.03 min
Lab File: VD046851.D
Acq: 23 Sep 2015 13:24

Tgt Ion:	62	Resp:	46308
Ion	Ratio	Lower	Upper
62	100		
98	7.0	0.0	16.2





#43

Isopropyl Acetate

Concen: 19.47 ug/l

RT: 8.39 min Scan# 798

Delta R.T. -0.03 min

Lab File: VD046851.D

Acq: 23 Sep 2015 13:24

Instrument :

MSVOA_D

ClientSampleId :

VD0923SBS01

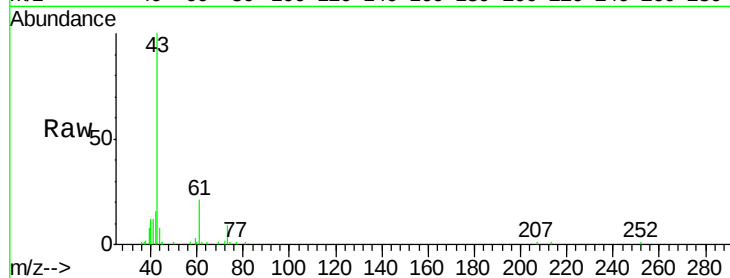
Tot Ion: 43 Resp: 20237

Ion Ratio Lower Upper

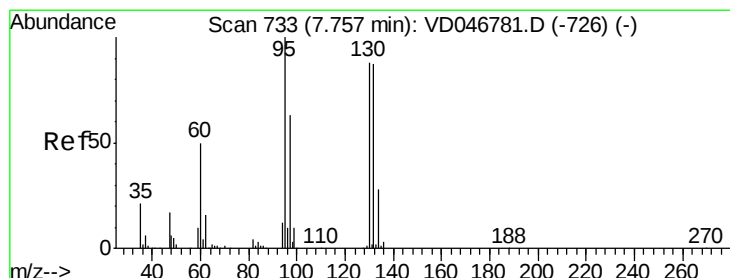
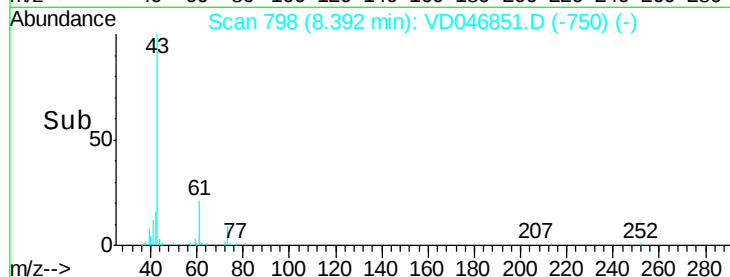
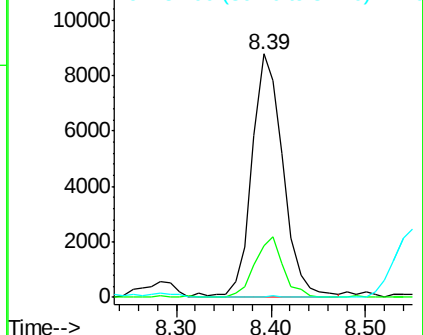
43 100

61 21.1 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: 24.08 ug/l

RT: 7.73 min Scan# 731

Delta R.T. -0.03 min

Lab File: VD046851.D

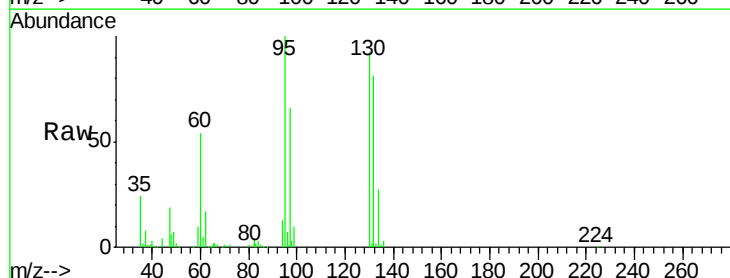
Acq: 23 Sep 2015 13:24

Tgt Ion:130 Resp: 37774

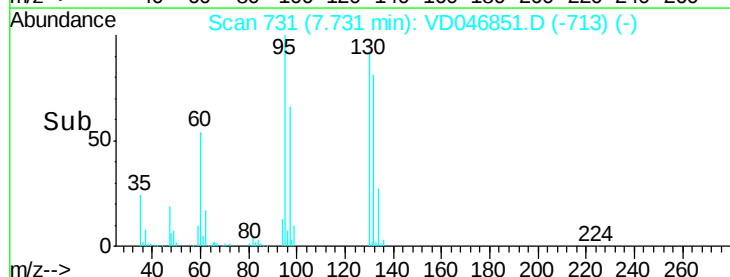
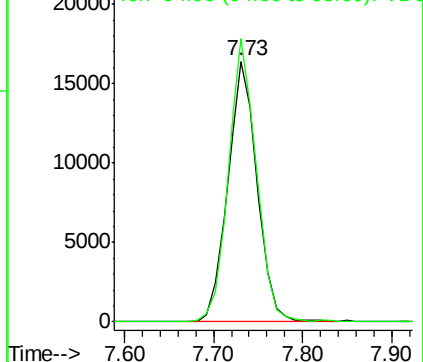
Ion Ratio Lower Upper

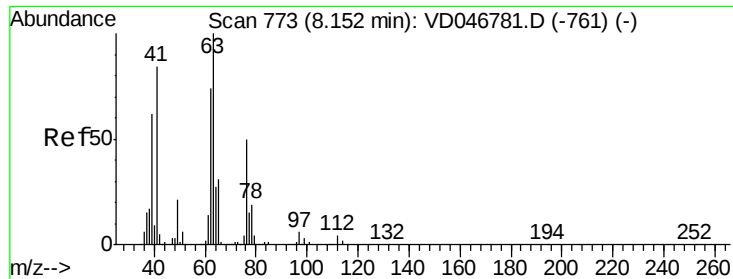
130 100

95 108.6 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: 19.63 ug/l

RT: 8.13 min Scan# 771

Delta R.T. -0.03 min

Lab File: VD046851.D

Acq: 23 Sep 2015 13:24

Instrument :

MSVOA_D

ClientSampleId :

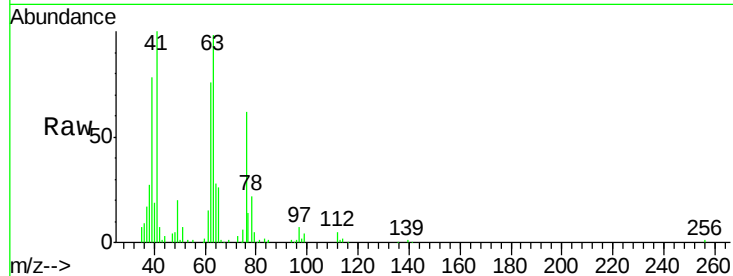
VD0923SBSD01

Tot Ion: 63 Resp: 30480

Ion Ratio Lower Upper

63 100

65 26.3 25.1 37.7



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

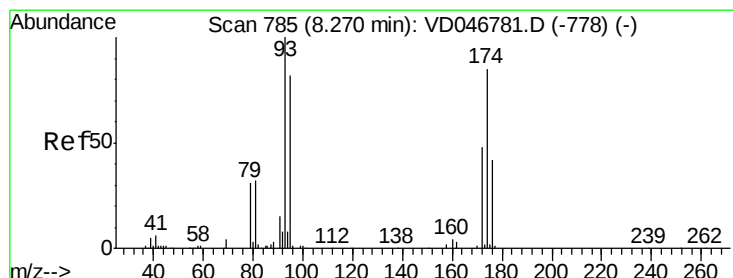
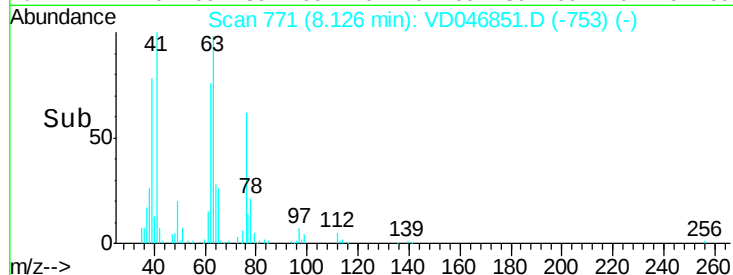
8.13

10000

5000

0

Time--> 8.00 8.10 8.20



#46

Dibromomethane

Concen: 21.53 ug/l

RT: 8.25 min Scan# 784

Delta R.T. -0.02 min

Lab File: VD046851.D

Acq: 23 Sep 2015 13:24

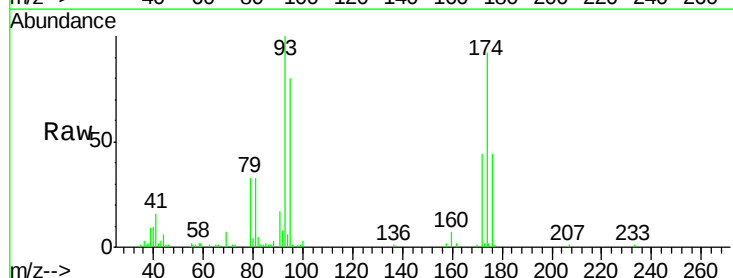
Tgt Ion: 93 Resp: 18978

Ion Ratio Lower Upper

93 100

95 79.6 70.2 105.2

174 92.4 79.0 118.4



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC

8.25

12000

10000

8000

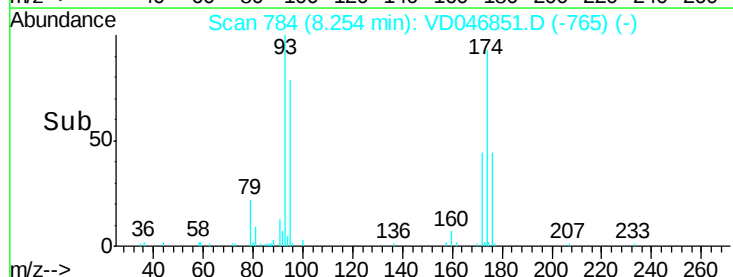
6000

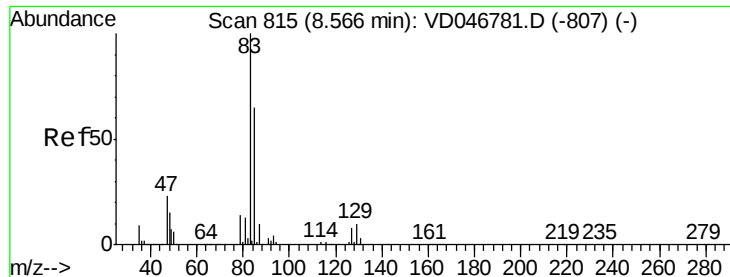
4000

2000

0

Time--> 8.10 8.20 8.30 8.40





#47

Bromodichloromethane

Concen: 23.33 ug/l

RT: 8.55 min Scan# 814

Delta R.T. -0.02 min

Lab File: VD046851.D

Acq: 23 Sep 2015 13:24

Instrument :

MSVOA_D

ClientSampleId :

VD0923SBS01

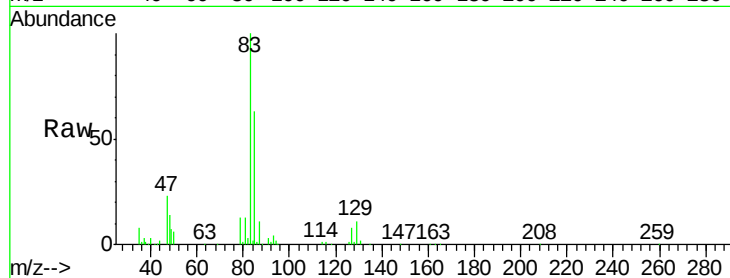
Tot Ion: 83 Resp: 53982

Ion Ratio Lower Upper

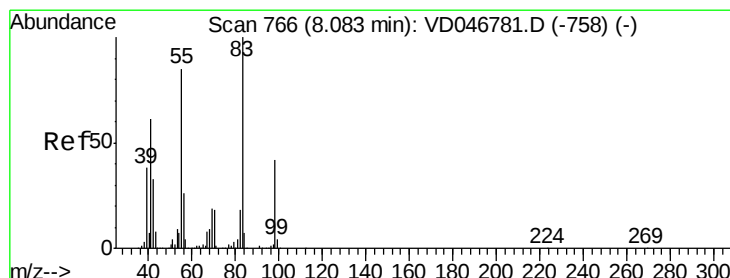
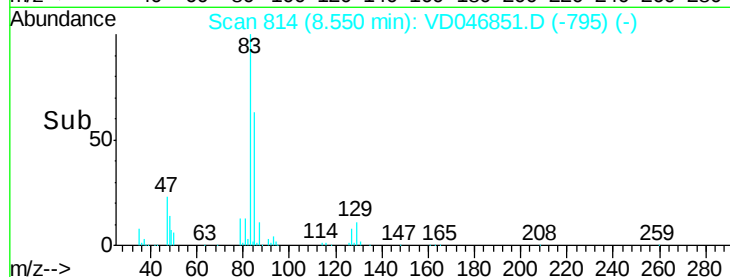
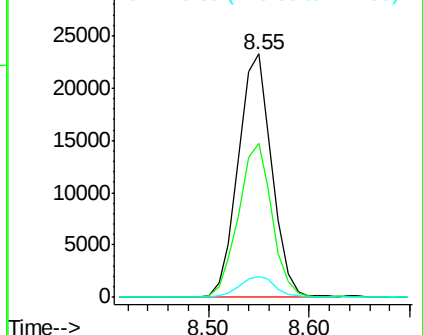
83 100

85 63.0 52.6 78.8

127 8.4 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: 22.18 ug/l

RT: 8.07 min Scan# 765

Delta R.T. -0.02 min

Lab File: VD046851.D

Acq: 23 Sep 2015 13:24

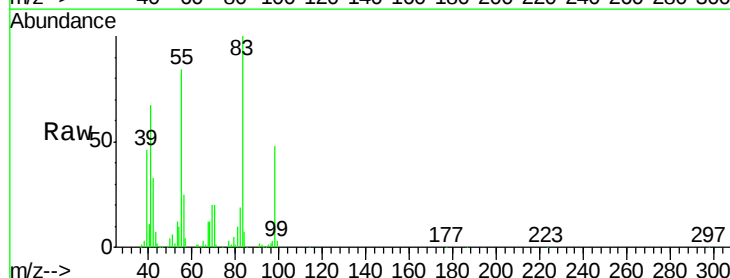
Tgt Ion: 41 Resp: 35241

Ion Ratio Lower Upper

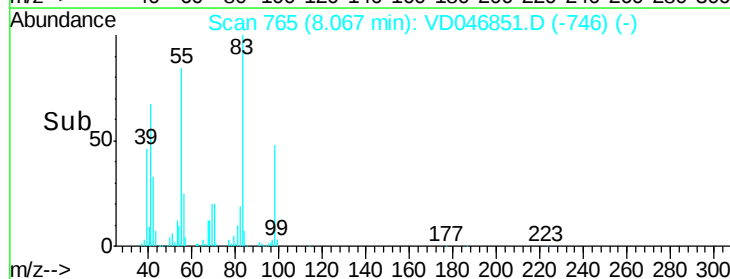
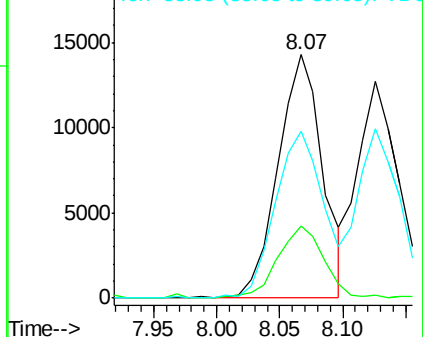
41 100

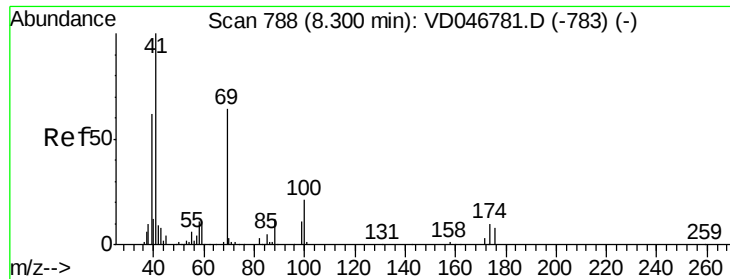
69 29.6 25.3 37.9

39 68.7 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

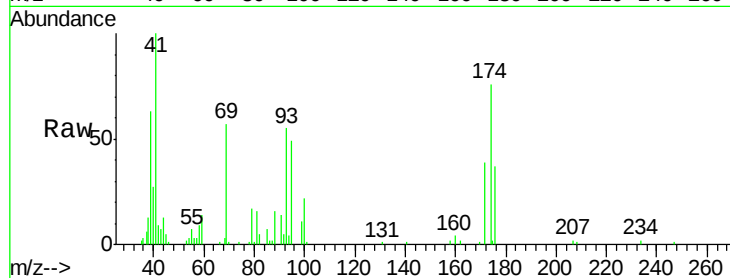




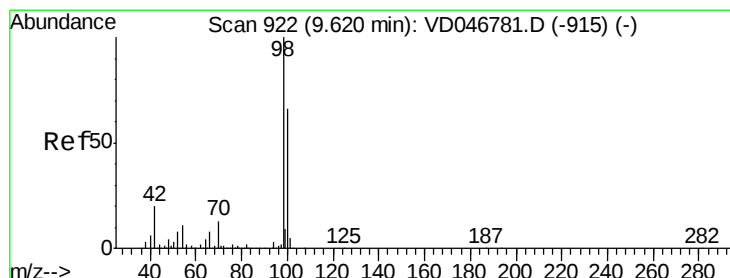
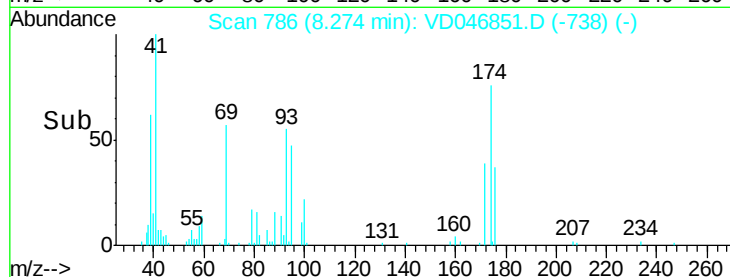
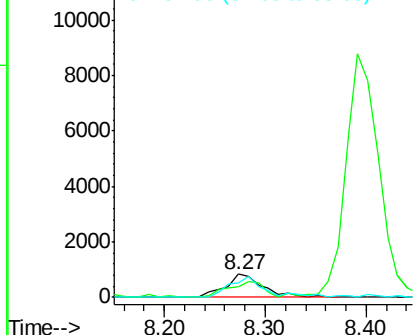
#49
1,4-Dioxane
Concen: 364.07 ug/l
RT: 8.27 min Scan# 786
Delta R.T. -0.03 min
Lab File: VD046851.D
Acq: 23 Sep 2015 13:24

Instrument :
MSVOA_D
ClientSampleId :
VD0923SBS01

Tot Ion: 88 Resp: 2140
Ion Ratio Lower Upper
88 100
43 47.1 50.0 75.0#
58 60.1 48.3 72.5

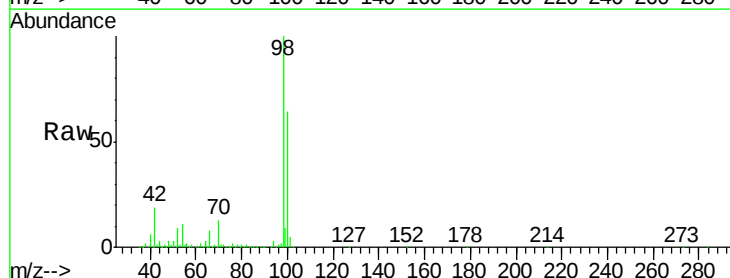


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

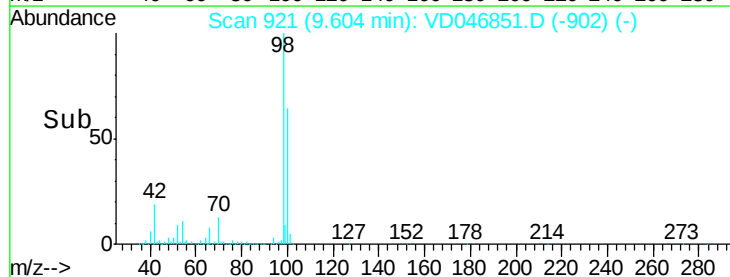
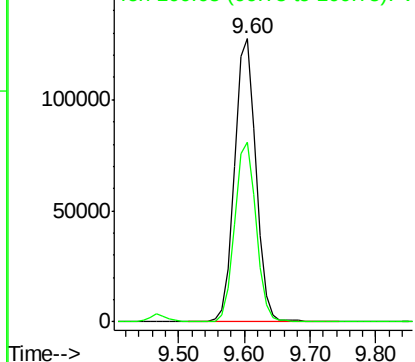


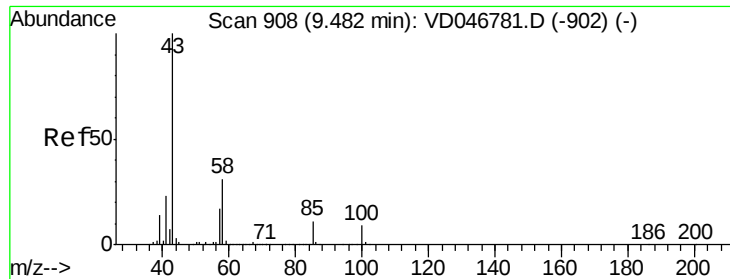
#50
Toluene-d8
Concen: 364.07 ug/l
RT: 9.60 min Scan# 921
Delta R.T. -0.02 min
Lab File: VD046851.D
Acq: 23 Sep 2015 13:24

Tgt Ion: 98 Resp: 292082
Ion Ratio Lower Upper
98 100
100 63.5 49.9 74.9



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 98.38 ug/l

RT: 9.47 min Scan# 907

Delta R.T. -0.02 min

Lab File: VD046851.D

Acq: 23 Sep 2015 13:24

Instrument :

MSVOA_D

ClientSampleId :

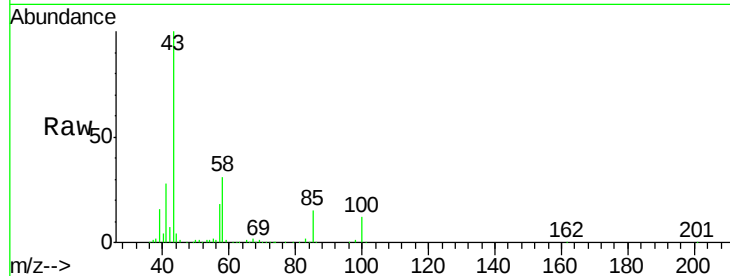
VD0923SBS01

Tot Ion: 43 Resp: 73878

Ion Ratio Lower Upper

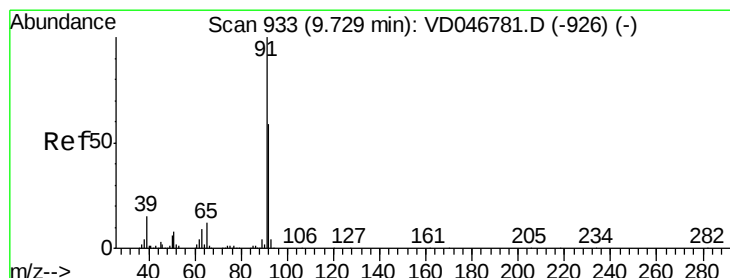
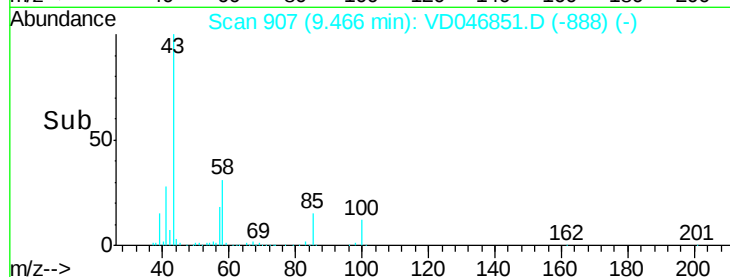
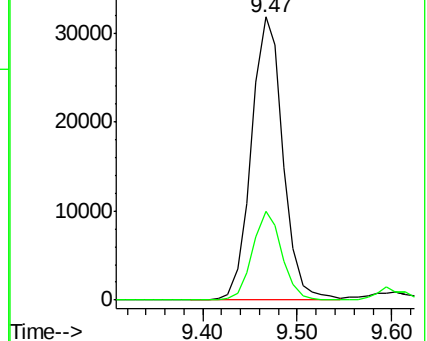
43 100

58 31.4 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: 23.35 ug/l

RT: 9.70 min Scan# 931

Delta R.T. -0.03 min

Lab File: VD046851.D

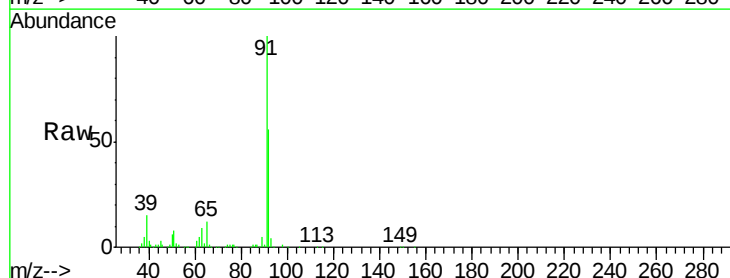
Acq: 23 Sep 2015 13:24

Tgt Ion: 92 Resp: 90258

Ion Ratio Lower Upper

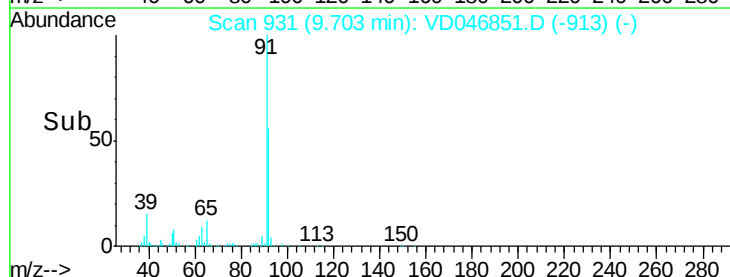
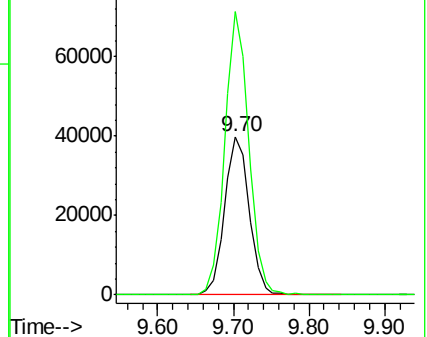
92 100

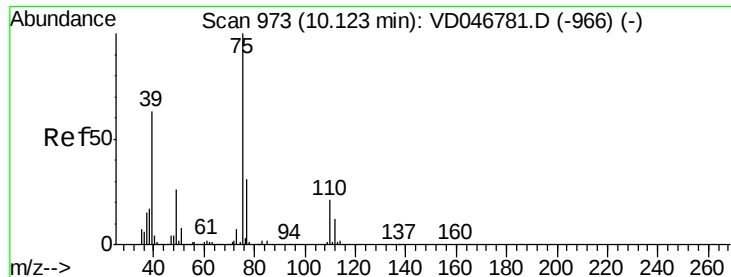
91 178.7 139.4 209.0



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 21.90 ug/l

RT: 10.11 min Scan# 972

Delta R.T. -0.02 min

Lab File: VD046851.D

Acq: 23 Sep 2015 13:24

Instrument :

MSVOA_D

ClientSampleId :

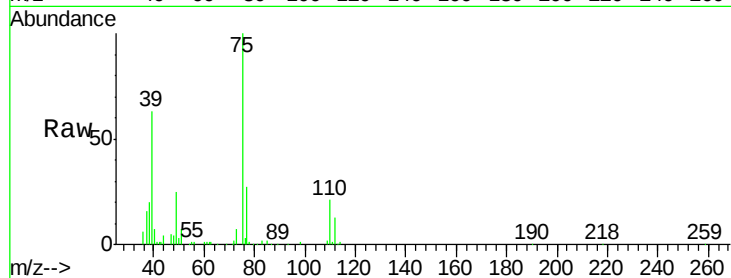
VD0923SBSD01

Tot Ion: 75 Resp: 37406

Ion Ratio Lower Upper

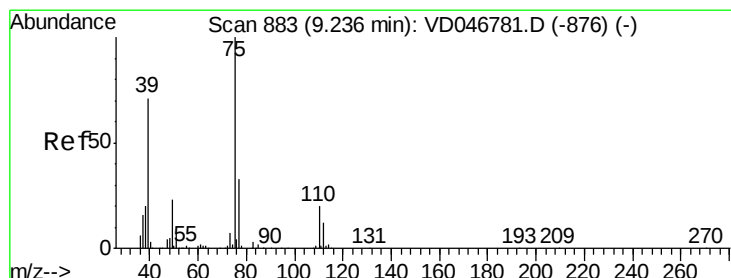
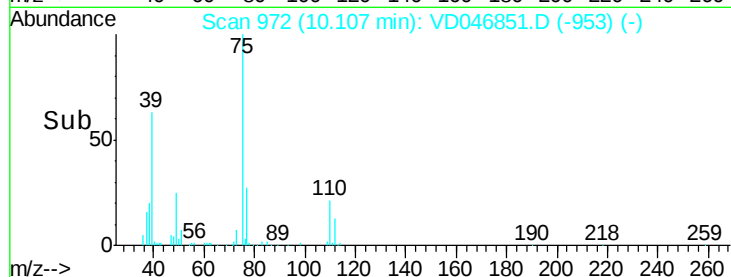
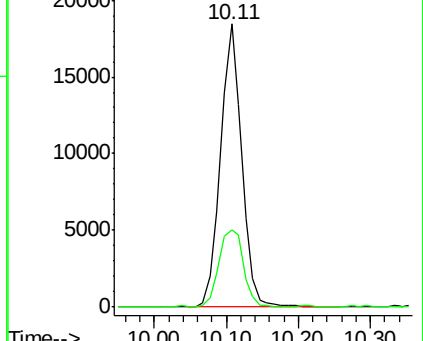
75 100

77 27.2 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: 21.77 ug/l

RT: 9.22 min Scan# 882

Delta R.T. -0.02 min

Lab File: VD046851.D

Acq: 23 Sep 2015 13:24

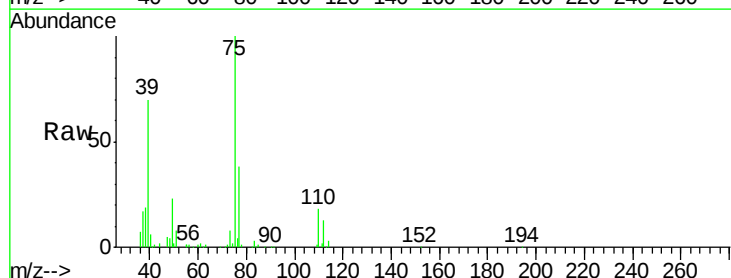
Tgt Ion: 75 Resp: 47878

Ion Ratio Lower Upper

75 100

77 38.0 23.8 35.6#

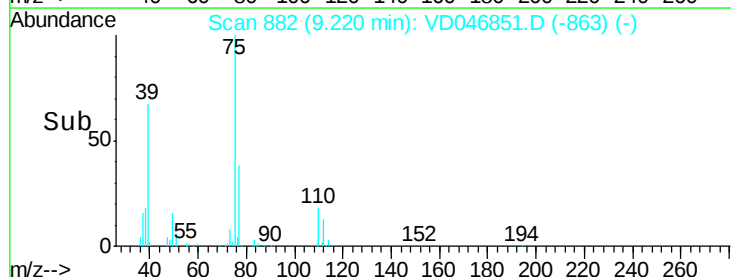
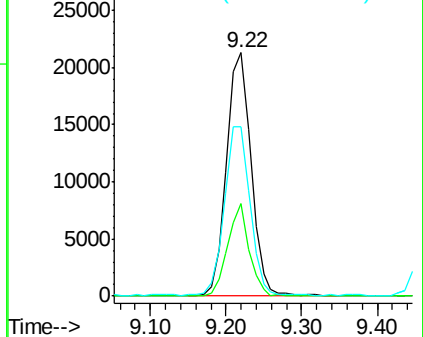
39 69.8 53.0 79.6

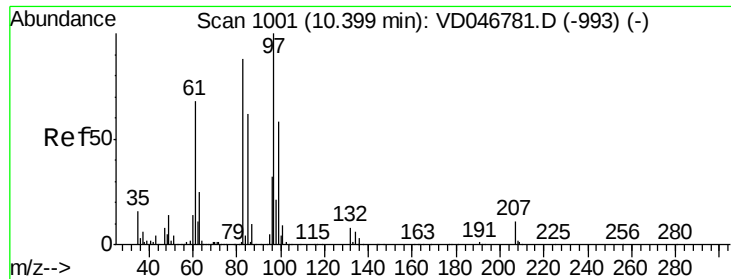


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

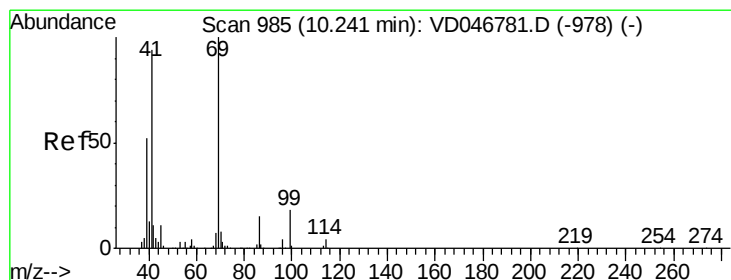
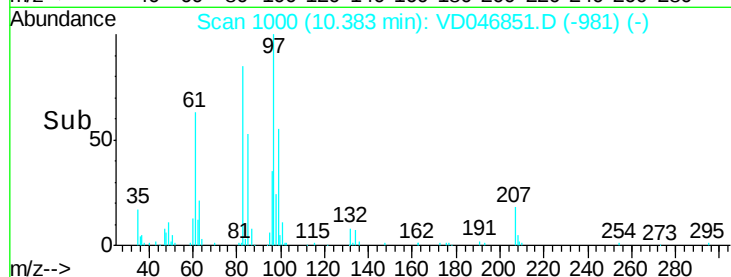
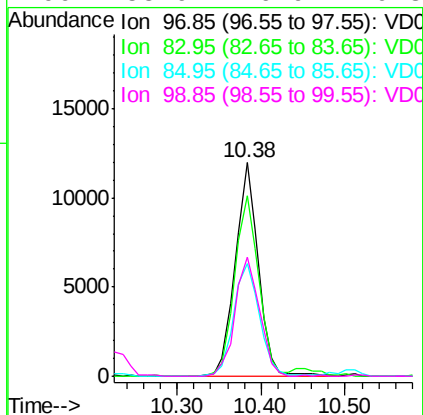
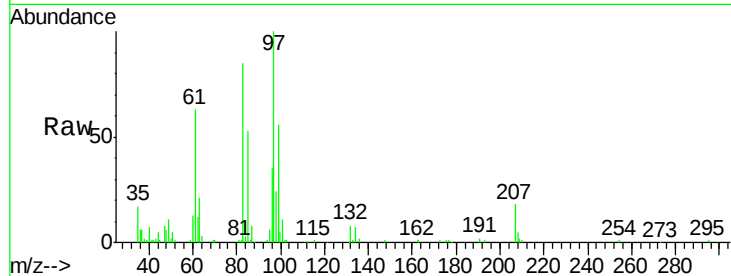




#55
 1,1,2-Trichloroethane
 Concen: 22.94 ug/l
 RT: 10.38 min Scan# 1000
 Delta R.T. -0.02 min
 Lab File: VD046851.D
 Acq: 23 Sep 2015 13:24

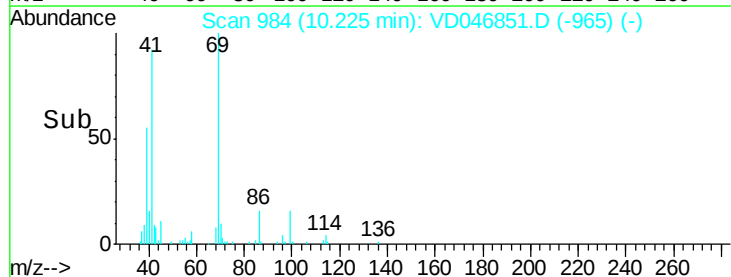
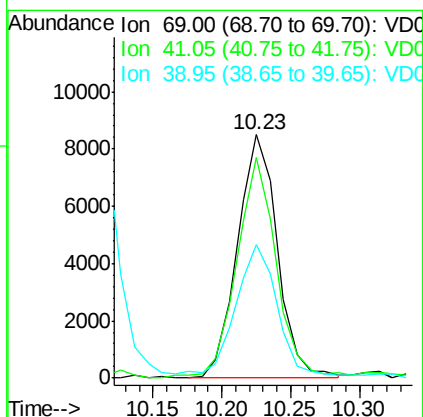
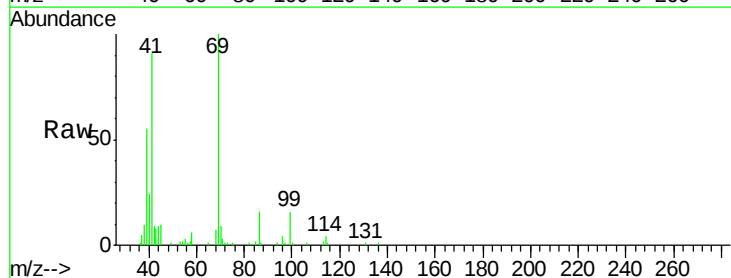
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0923SBS01

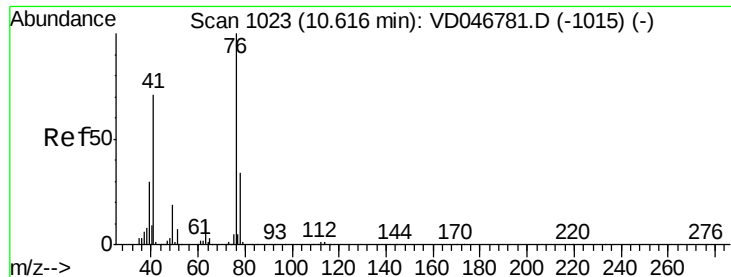
Tot Ion: 97 Resp: 22954
 Ion Ratio Lower Upper
 97 100
 83 84.6 75.3 112.9
 85 52.6 50.9 76.3
 99 55.9 46.9 70.3



#56
 Ethyl methacrylate
 Concen: 19.18 ug/l
 RT: 10.23 min Scan# 984
 Delta R.T. -0.02 min
 Lab File: VD046851.D
 Acq: 23 Sep 2015 13:24

Tgt Ion: 69 Resp: 17223
 Ion Ratio Lower Upper
 69 100
 41 90.6 75.4 113.0
 39 54.9 41.0 61.4

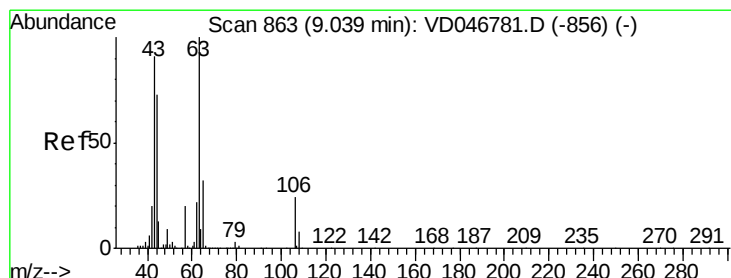
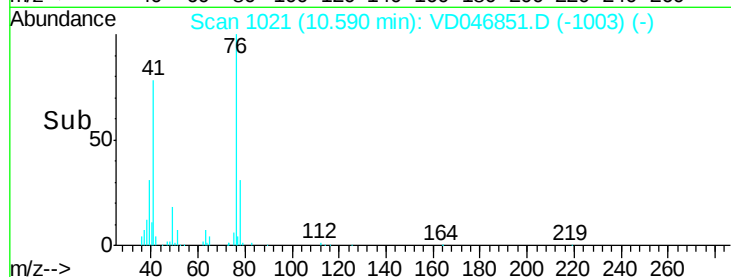
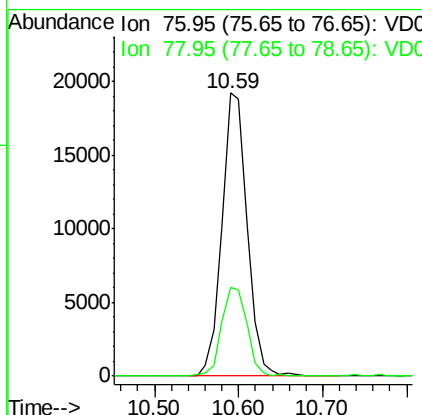
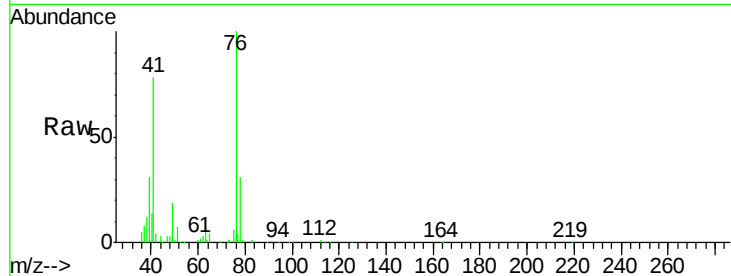




#57
 1,3-Dichloropropane
 Concen: 21.44 ug/l
 RT: 10.59 min Scan# 1021
 Delta R.T. -0.03 min
 Lab File: VD046851.D
 Acq: 23 Sep 2015 13:24

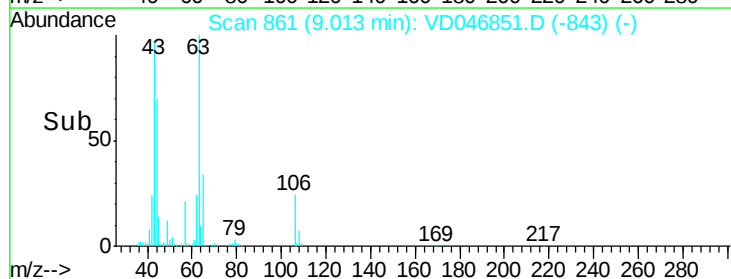
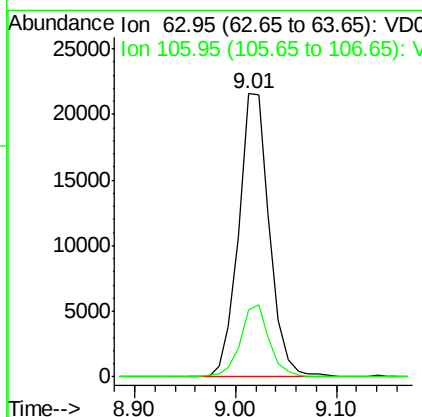
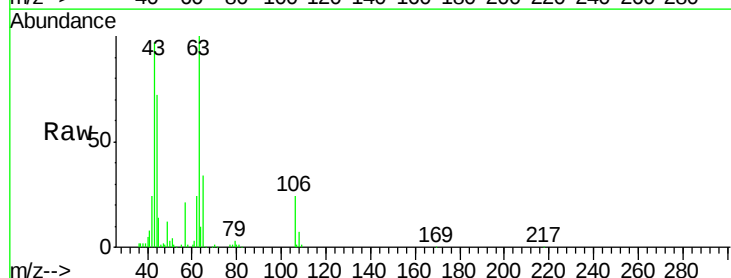
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0923SBSD01

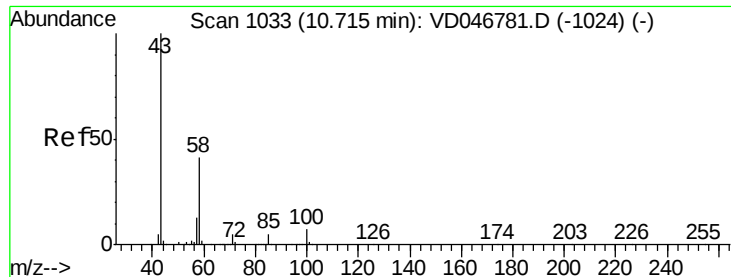
Tot Ion: 76 Resp: 39900
 Ion Ratio Lower Upper
 76 100
 78 31.3 26.6 39.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 97.09 ug/l
 RT: 9.01 min Scan# 861
 Delta R.T. -0.03 min
 Lab File: VD046851.D
 Acq: 23 Sep 2015 13:24

Tgt Ion: 63 Resp: 45950
 Ion Ratio Lower Upper
 63 100
 106 23.7 17.8 26.8

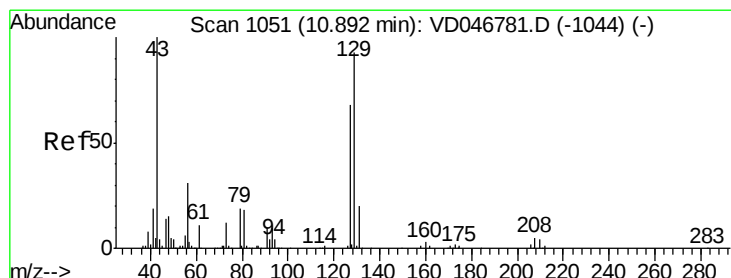
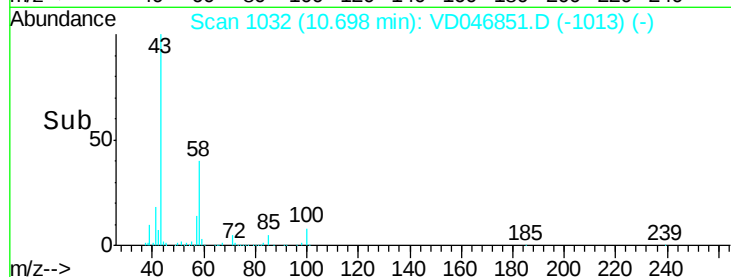
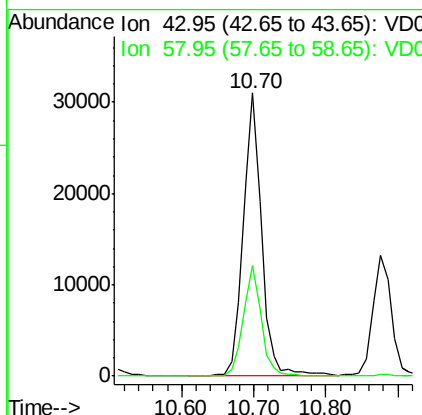
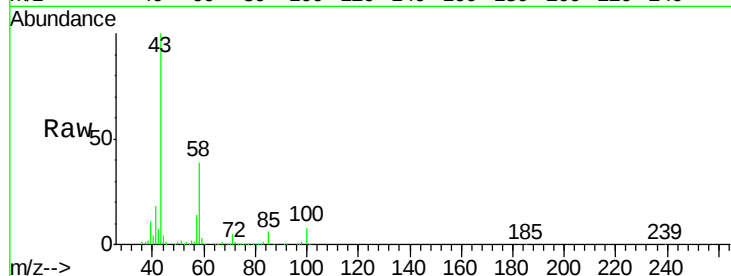




#59
2-Hexanone
Concen: 102.27 ug/l
RT: 10.70 min Scan# 1032
Delta R.T. -0.02 min
Lab File: VD046851.D
Acq: 23 Sep 2015 13:24

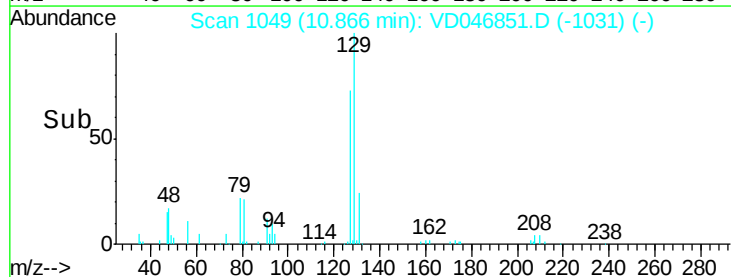
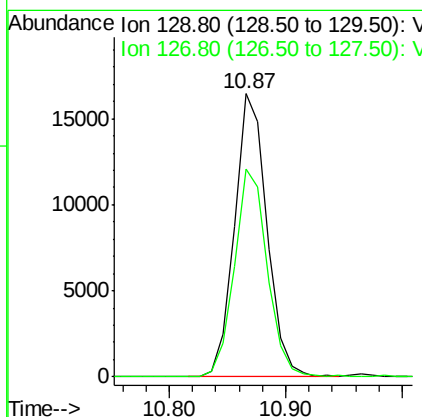
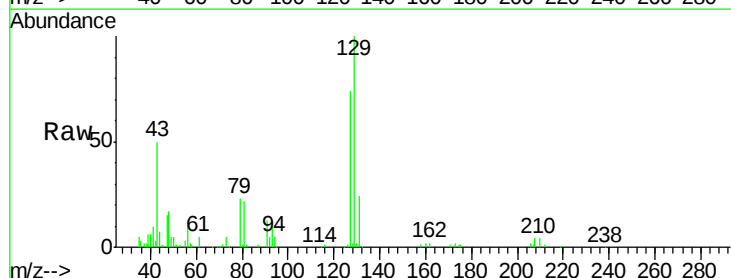
Instrument :
MSVOA_D
ClientSampleId :
VD0923SBS01

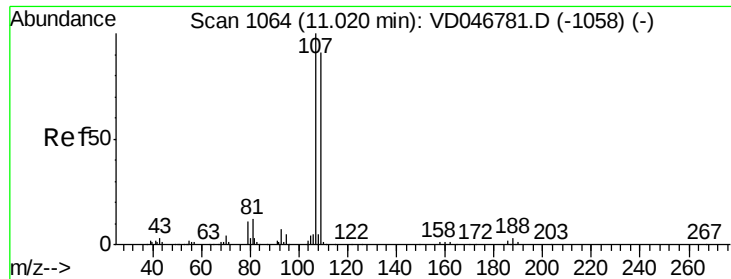
Tot Ion: 43 Resp: 55488
Ion Ratio Lower Upper
43 100
58 38.9 18.6 55.8



#60
Dibromochloromethane
Concen: 23.04 ug/l
RT: 10.87 min Scan# 1049
Delta R.T. -0.03 min
Lab File: VD046851.D
Acq: 23 Sep 2015 13:24

Tgt Ion: 129 Resp: 31650
Ion Ratio Lower Upper
129 100
127 73.6 38.2 114.6

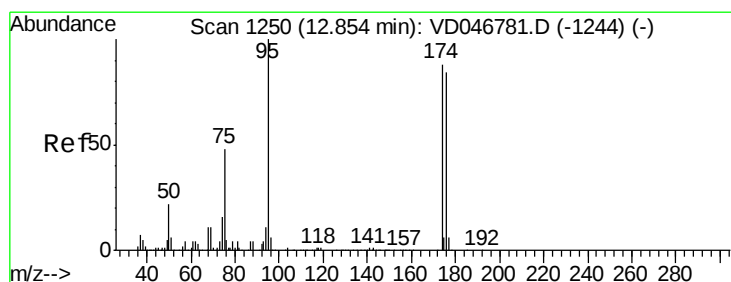
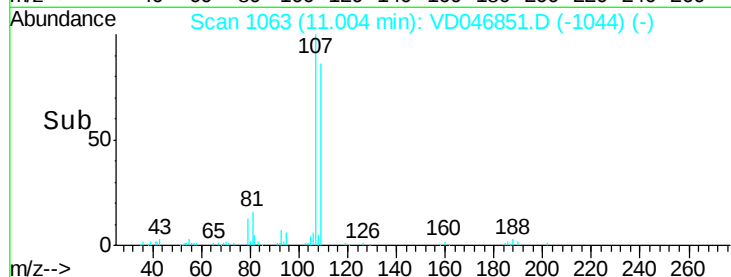
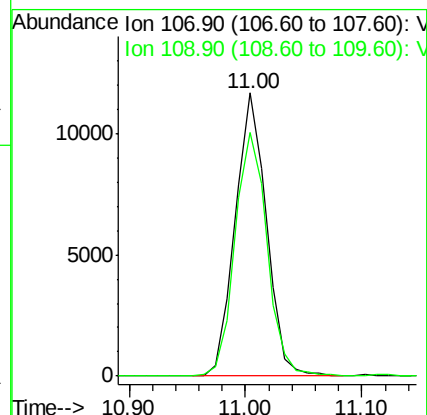
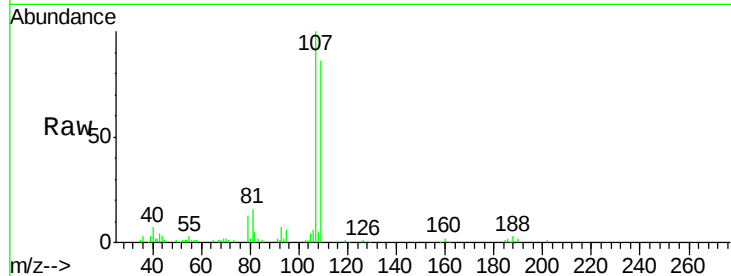




#61
 1,2-Dibromoethane
 Concen: 21.92 ug/l
 RT: 11.00 min Scan# 1063
 Delta R.T. -0.02 min
 Lab File: VD046851.D
 Acq: 23 Sep 2015 13:24

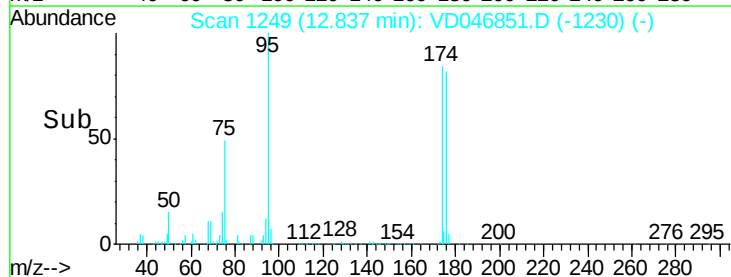
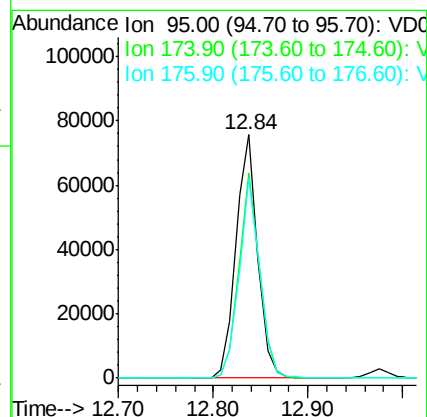
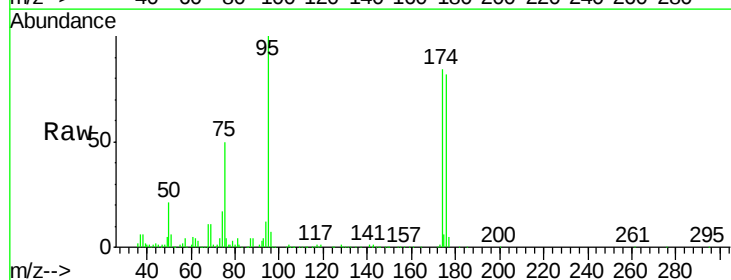
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0923SBSD01

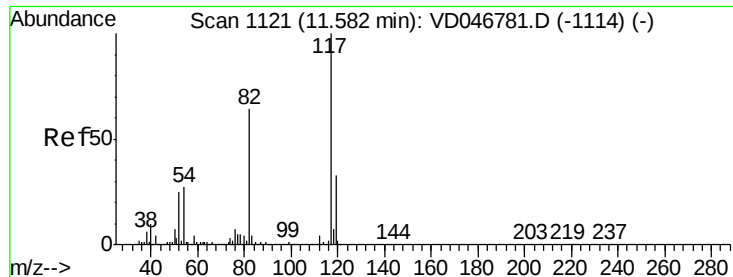
Tot Ion:107 Resp: 21656
 Ion Ratio Lower Upper
 107 100
 109 86.3 71.4 107.0



#62
 4-Bromofluorobenzene
 Concen: 21.92 ug/l
 RT: 12.84 min Scan# 1249
 Delta R.T. -0.02 min
 Lab File: VD046851.D
 Acq: 23 Sep 2015 13:24

Tgt Ion: 95 Resp: 120063
 Ion Ratio Lower Upper
 95 100
 174 84.4 0.0 149.8
 176 82.1 0.0 143.4

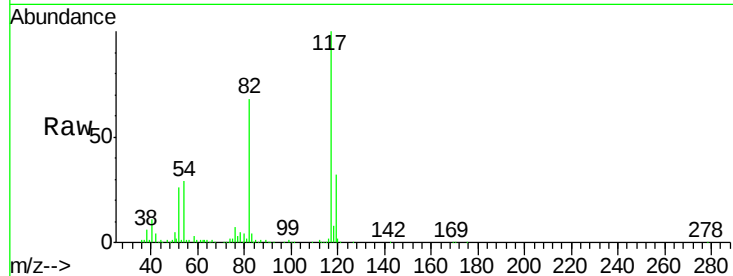




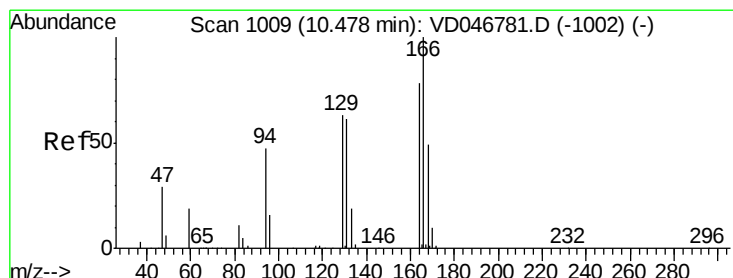
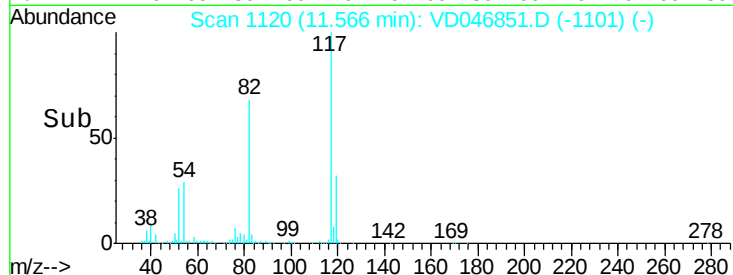
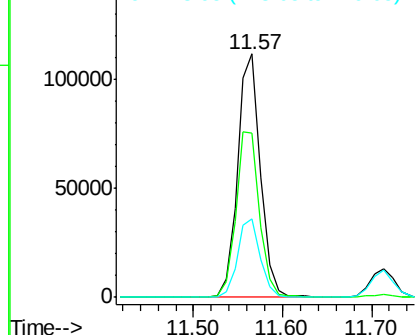
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.57 min Scan# 1120
Delta R.T. -0.02 min
Lab File: VD046851.D
Acq: 23 Sep 2015 13:24

Instrument :
MSVOA_D
ClientSampleId :
VD0923SBSD01

Tot Ion:117 Resp: 200123
Ion Ratio Lower Upper
117 100
82 67.7 50.6 75.8
119 32.4 25.8 38.8

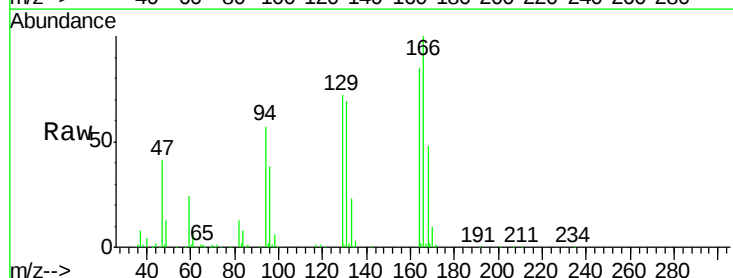


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

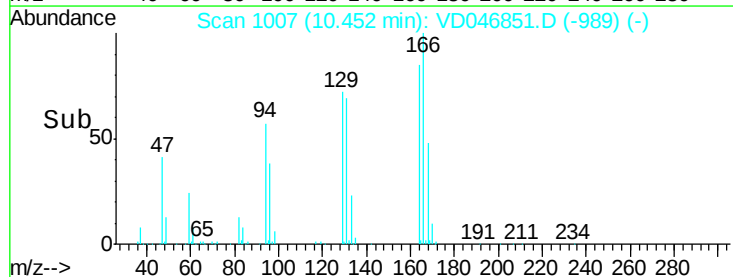
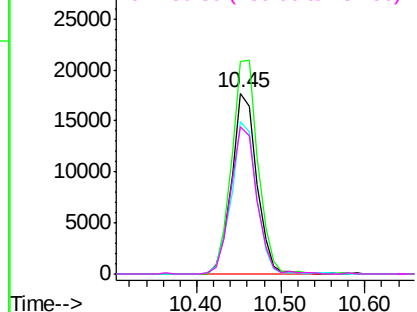


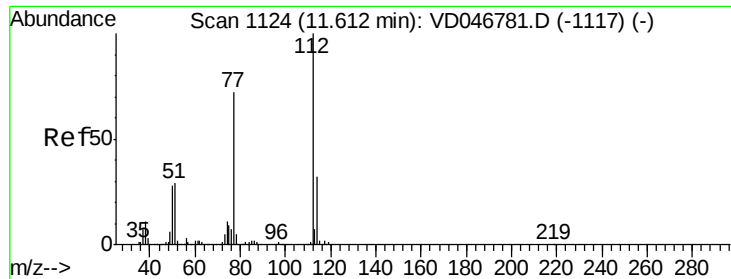
#64
Tetrachloroethene
Concen: 22.75 ug/l
RT: 10.45 min Scan# 1007
Delta R.T. -0.03 min
Lab File: VD046851.D
Acq: 23 Sep 2015 13:24

Tgt Ion:164 Resp: 36764
Ion Ratio Lower Upper
164 100
166 117.1 106.8 160.2
129 84.2 70.6 106.0
131 81.3 66.6 100.0



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





#65

Chlorobenzene

Concen: 22.31 ug/l

RT: 11.60 min Scan# 1123

Delta R.T. -0.02 min

Lab File: VD046851.D

Acq: 23 Sep 2015 13:24

Instrument :

MSVOA_D

ClientSampleId :

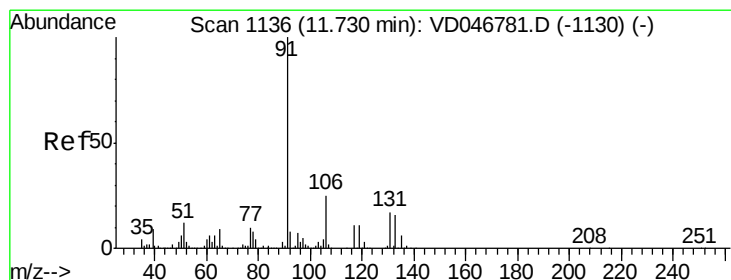
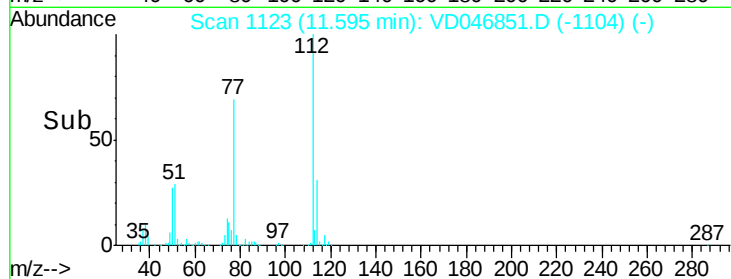
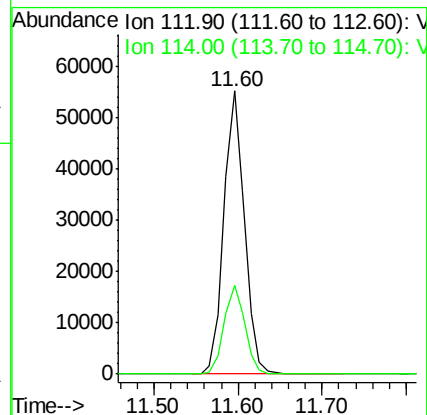
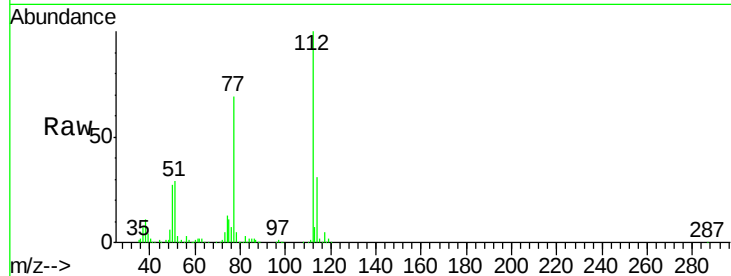
VD0923SBSD01

Tot Ion:112 Resp: 93988

Ion Ratio Lower Upper

112 100

114 31.4 25.3 37.9



#66

1,1,1,2-Tetrachloroethane

Concen: 23.36 ug/l

RT: 11.71 min Scan# 1135

Delta R.T. -0.02 min

Lab File: VD046851.D

Acq: 23 Sep 2015 13:24

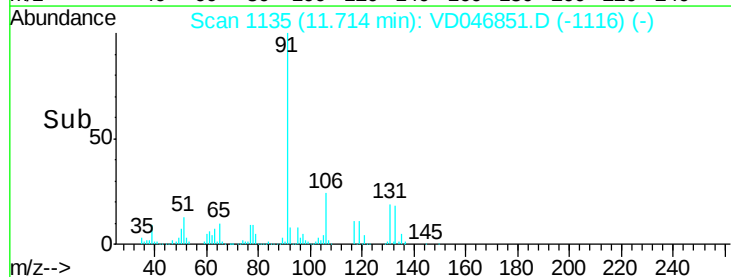
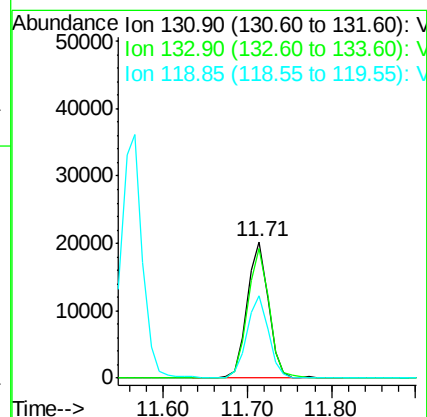
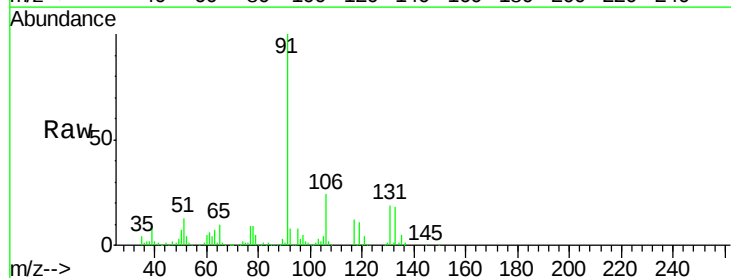
Tgt Ion:131 Resp: 36133

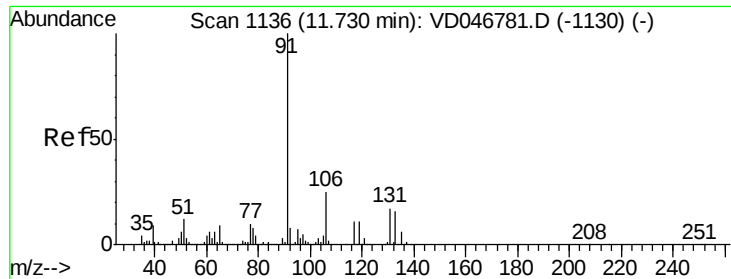
Ion Ratio Lower Upper

131 100

133 95.4 48.4 145.0

119 60.5 31.5 94.5





#67

Ethyl Benzene

Concen: 23.16 ug/l

RT: 11.72 min Scan# 1136

Delta R.T. -0.01 min

Lab File: VD046851.D

Acq: 23 Sep 2015 13:24

Instrument :

MSVOA_D

ClientSampleId :

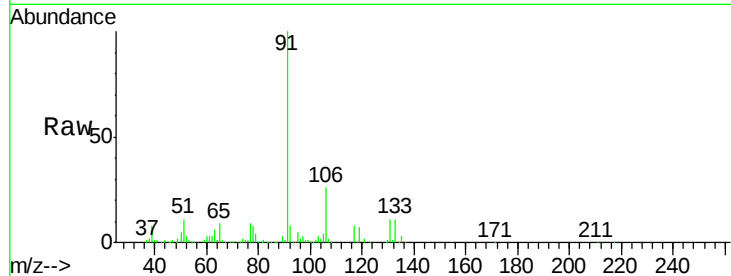
VD0923SBS01

Tot Ion: 91 Resp: 196017

Ion Ratio Lower Upper

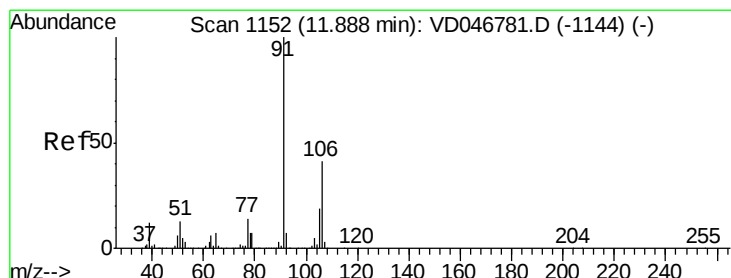
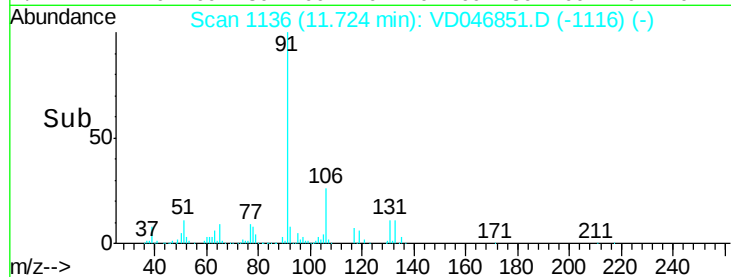
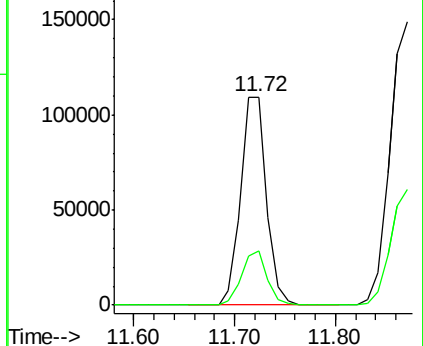
91 100

106 25.9 20.2 30.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.05 (105.75 to 106.75): V



#68

m/p-Xylenes

Concen: 47.97 ug/l

RT: 11.87 min Scan# 1151

Delta R.T. -0.02 min

Lab File: VD046851.D

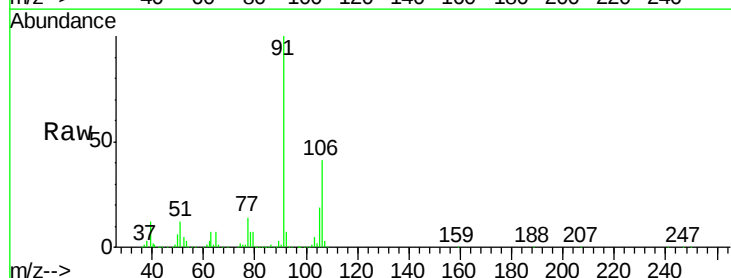
Acq: 23 Sep 2015 13:24

Tgt Ion: 106 Resp: 128043

Ion Ratio Lower Upper

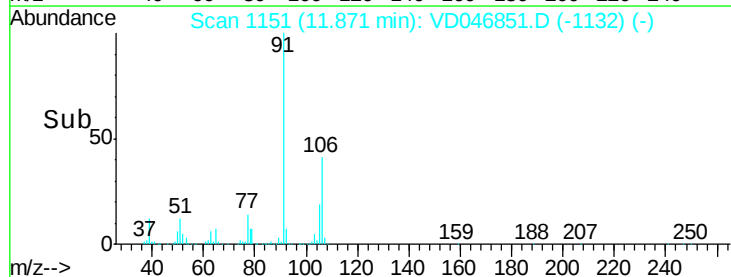
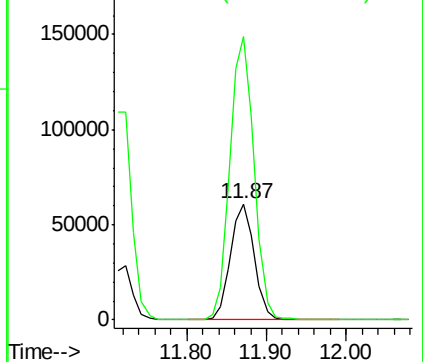
106 100

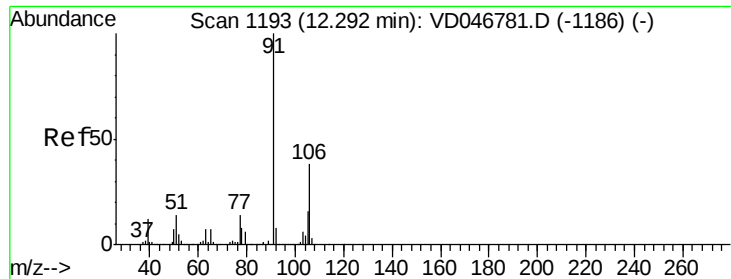
91 244.2 187.9 281.9



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): V

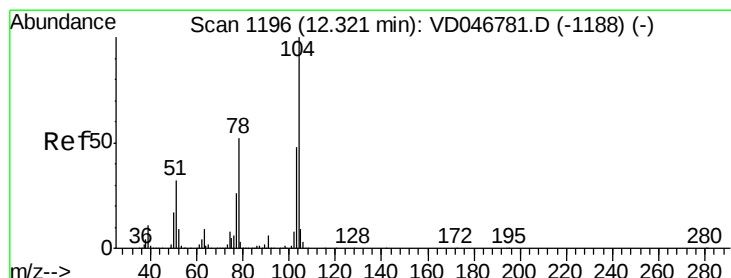
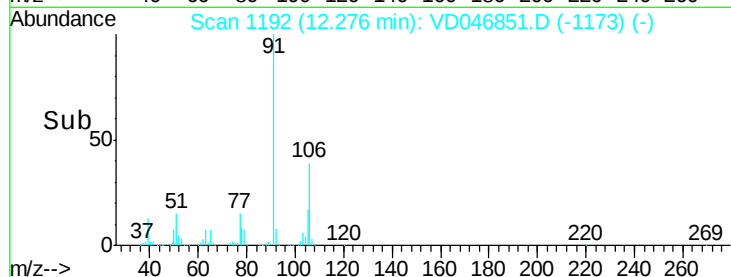
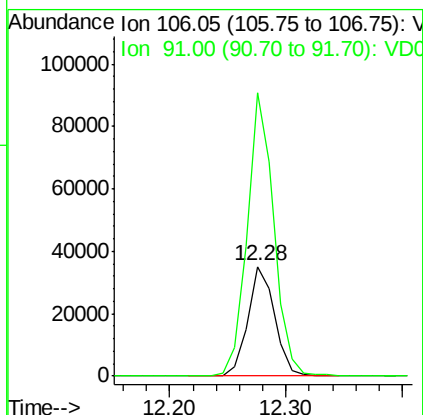
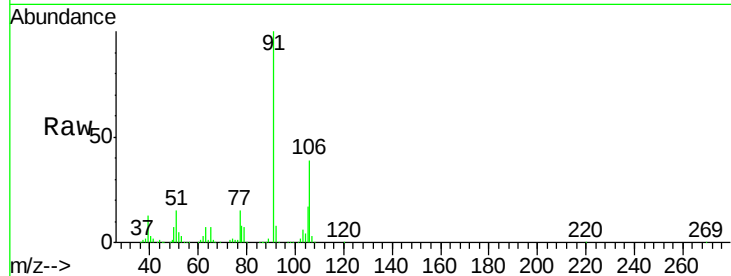




#69
o-Xylene
Concen: 23.34 ug/l
RT: 12.28 min Scan# 1192
Delta R.T. -0.02 min
Lab File: VD046851.D
Acq: 23 Sep 2015 13:24

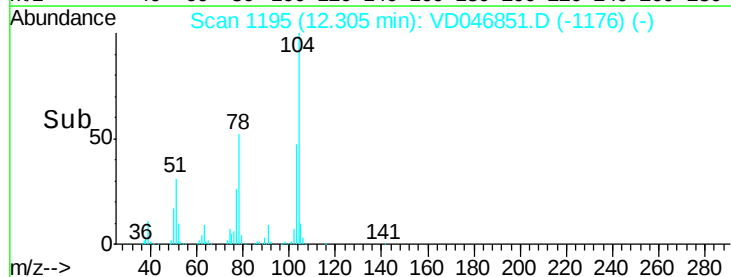
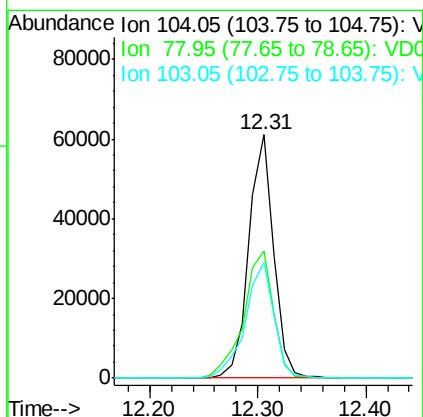
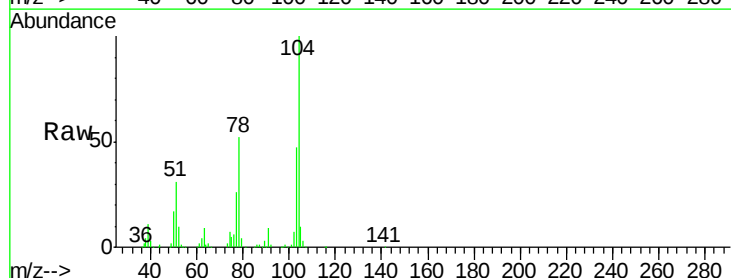
Instrument :
MSVOA_D
ClientSampleId :
VD0923SBS01

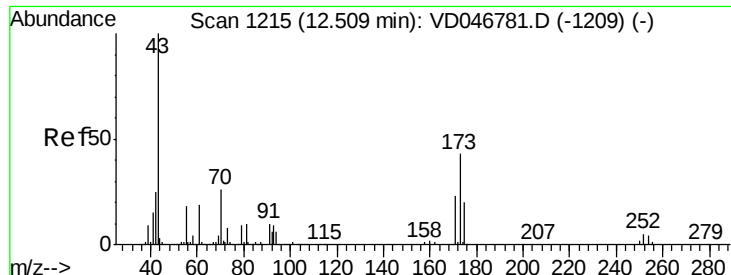
Tot Ion:106 Resp: 56071
Ion Ratio Lower Upper
106 100
91 257.9 124.8 374.5



#70
Styrene
Concen: 23.47 ug/l
RT: 12.31 min Scan# 1195
Delta R.T. -0.02 min
Lab File: VD046851.D
Acq: 23 Sep 2015 13:24

Tgt Ion:104 Resp: 97781
Ion Ratio Lower Upper
104 100
78 52.1 44.5 66.7
103 47.3 40.3 60.5

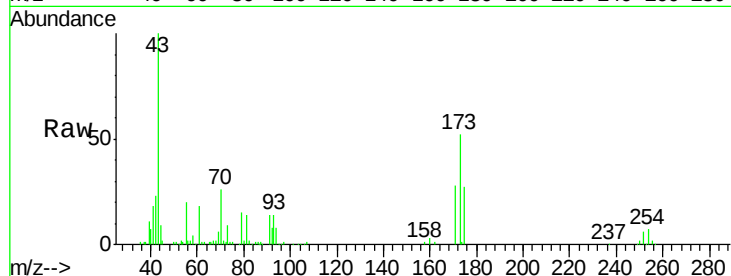




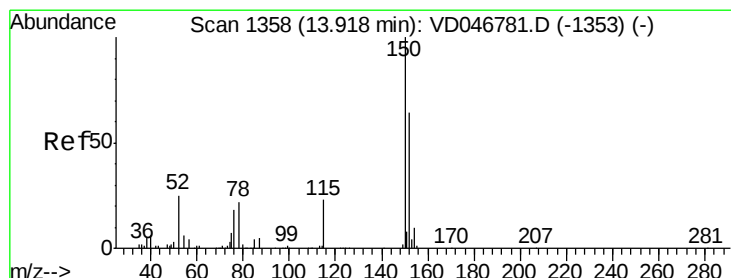
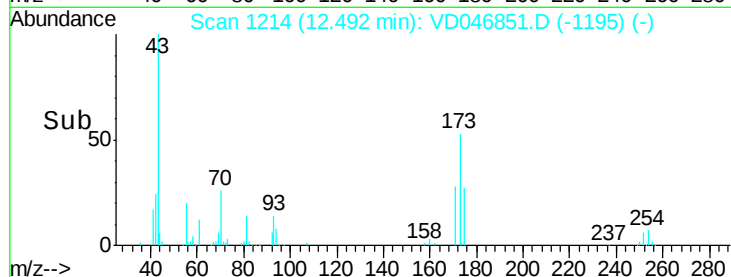
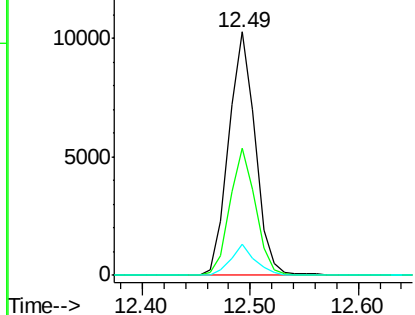
#71
Bromoform
Concen: 21.30 ug/l
RT: 12.49 min Scan# 1214
Delta R.T. -0.02 min
Lab File: VD046851.D
Acq: 23 Sep 2015 13:24

Instrument :
MSVOA_D
ClientSampleId :
VD0923SBSD01

Tot Ion:173 Resp: 17549
Ion Ratio Lower Upper
173 100
175 52.2 23.1 69.3
254 12.7 8.7 13.1

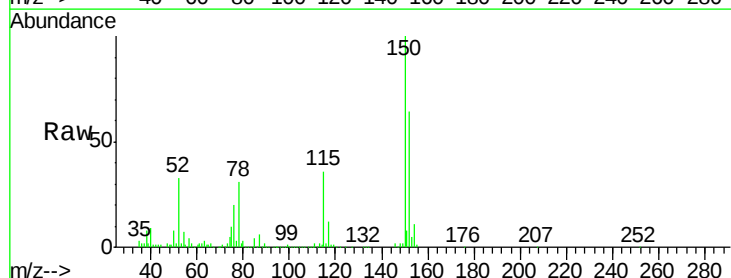


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

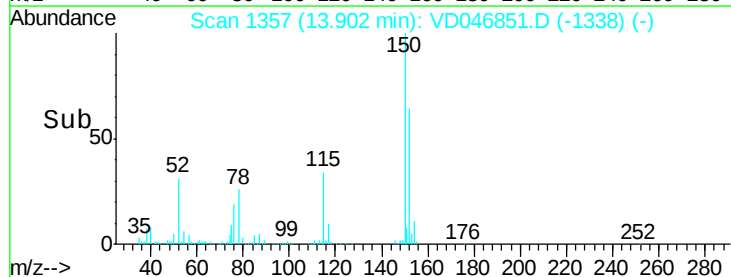
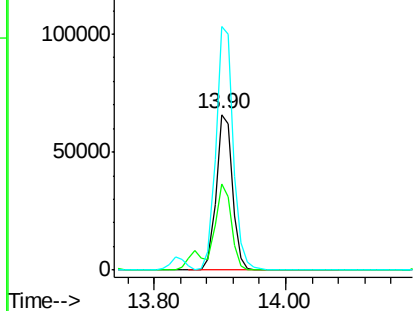


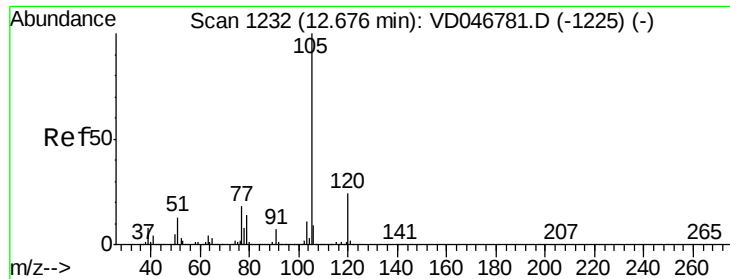
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.90 min Scan# 1357
Delta R.T. -0.02 min
Lab File: VD046851.D
Acq: 23 Sep 2015 13:24

Tgt Ion:152 Resp: 112877
Ion Ratio Lower Upper
152 100
115 55.6 26.2 78.6
150 156.5 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: 22.33 ug/l

RT: 12.66 min Scan# 1231

Delta R.T. -0.02 min

Lab File: VD046851.D

Acq: 23 Sep 2015 13:24

Instrument :

MSVOA_D

ClientSampleId :

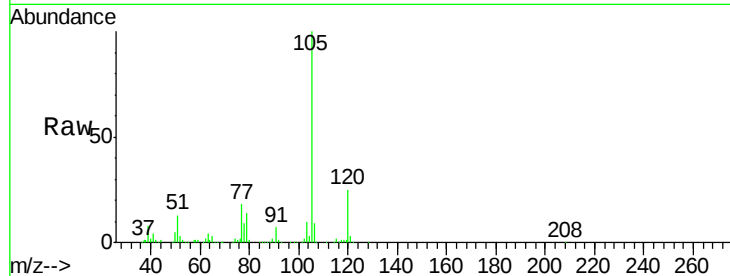
VD0923SBSD01

Tot Ion:105 Resp: 177683

Ion Ratio Lower Upper

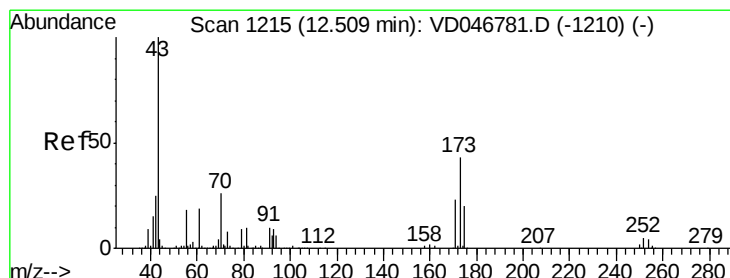
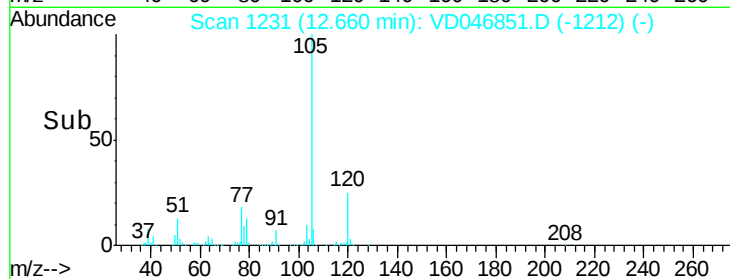
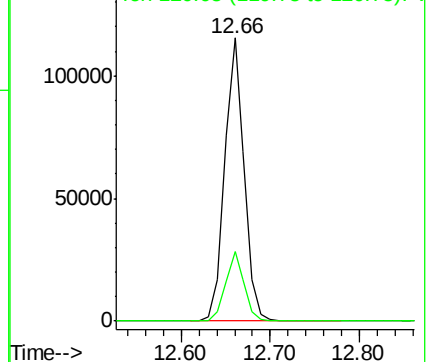
105 100

120 24.6 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: 18.64 ug/l

RT: 12.49 min Scan# 1214

Delta R.T. -0.02 min

Lab File: VD046851.D

Acq: 23 Sep 2015 13:24

Tgt Ion: 43 Resp: 30771

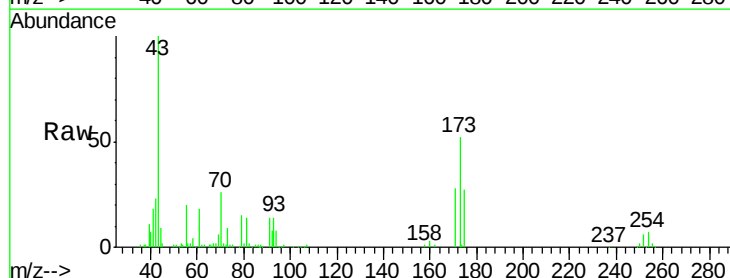
Ion Ratio Lower Upper

43 100

70 26.1 22.1 33.1

55 19.8 14.5 21.7

61 18.0 14.6 21.8

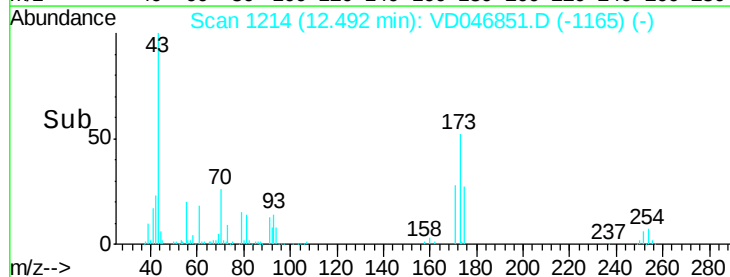
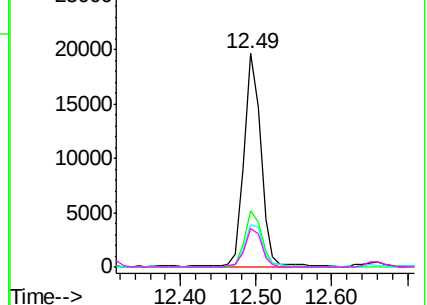


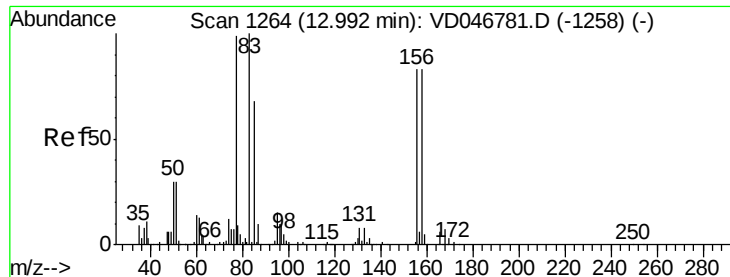
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 20.70 ug/l

RT: 12.98 min Scan# 1263

Delta R.T. -0.02 min

Lab File: VD046851.D

Acq: 23 Sep 2015 13:24

Instrument :

MSVOA_D

ClientSampleId :

VD0923SBSD01

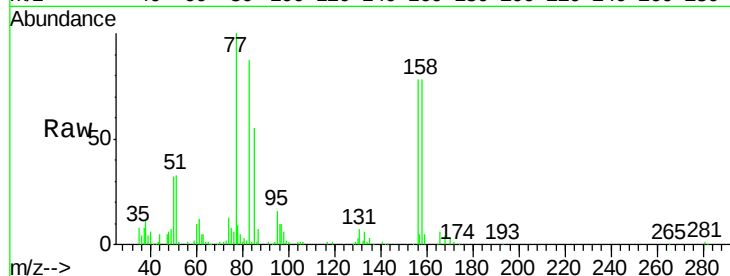
Tot Ion: 83 Resp: 26582

Ion Ratio Lower Upper

83 100

131 7.7 3.9 11.7

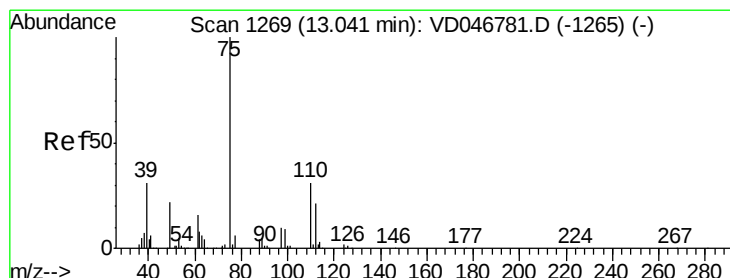
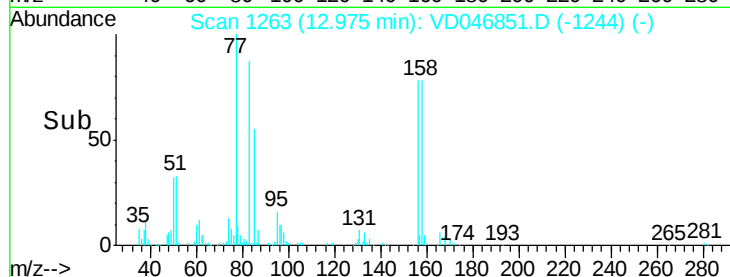
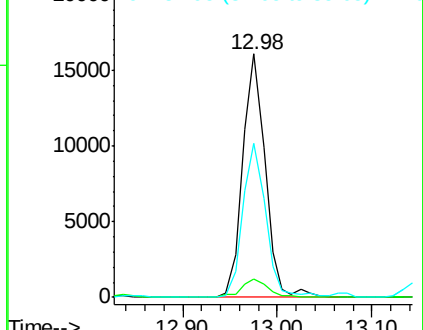
85 63.1 30.5 91.5



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 20.45 ug/l

RT: 13.02 min Scan# 1268

Delta R.T. -0.02 min

Lab File: VD046851.D

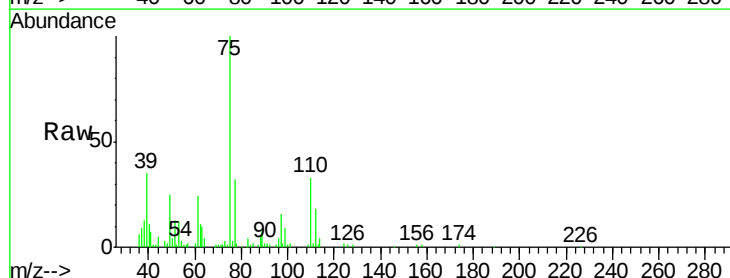
Acq: 23 Sep 2015 13:24

Tgt Ion: 75 Resp: 28088

Ion Ratio Lower Upper

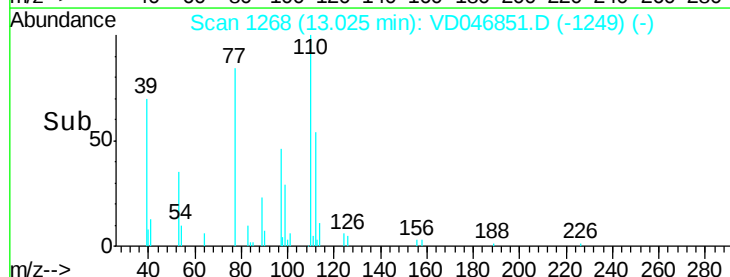
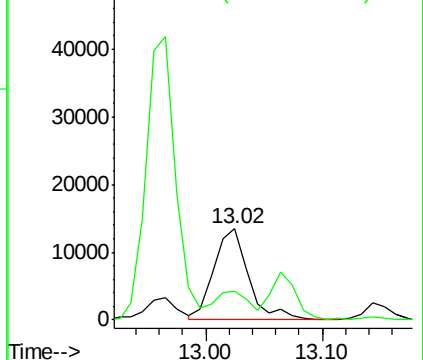
75 100

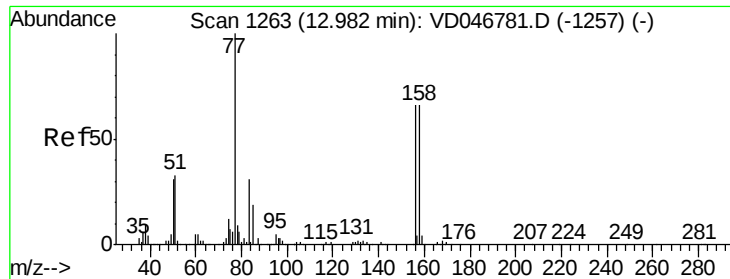
77 31.6 16.0 48.0



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: 12.97 min Scan# 1262

Delta R.T. -0.02 min

Lab File: VD046851.D

Acq: 23 Sep 2015 13:24

Instrument :

MSVOA_D

ClientSampleId :

VD0923SBSD01

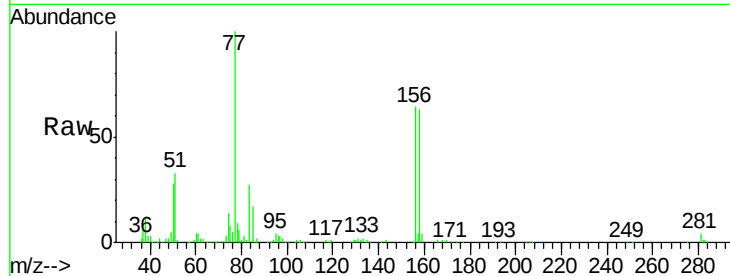
Tot Ion:156 Resp: 43206

Ion Ratio Lower Upper

156 100

77 156.1 70.3 210.8

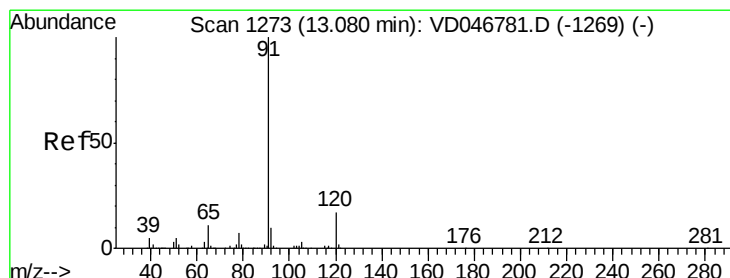
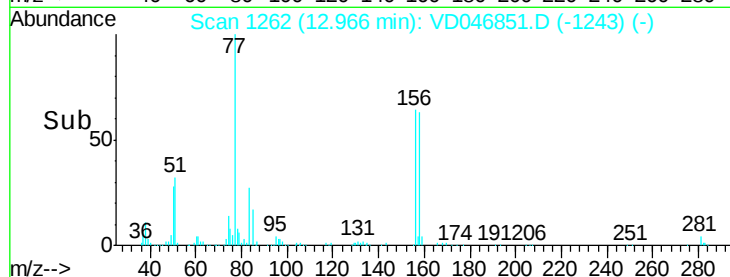
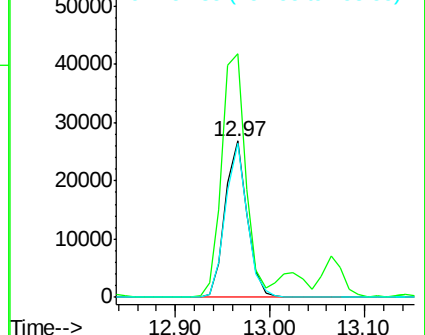
158 98.8 49.0 147.0



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 22.17 ug/l

RT: 13.06 min Scan# 1272

Delta R.T. -0.02 min

Lab File: VD046851.D

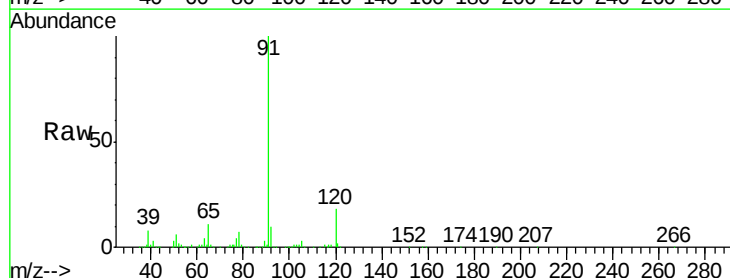
Acq: 23 Sep 2015 13:24

Tgt Ion: 91 Resp: 249135

Ion Ratio Lower Upper

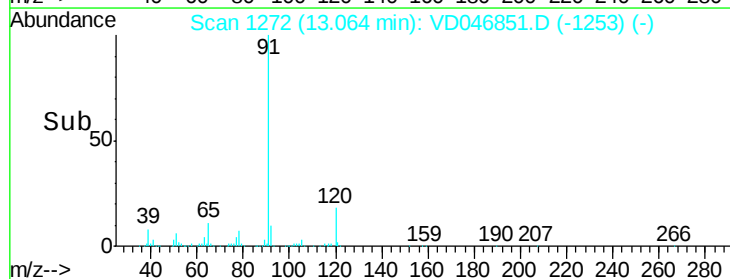
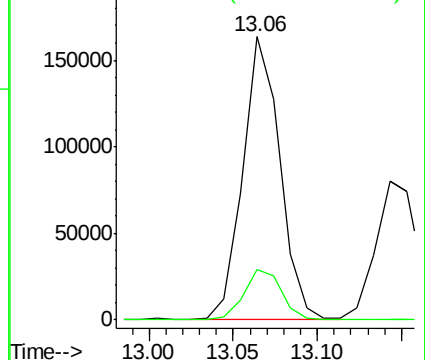
91 100

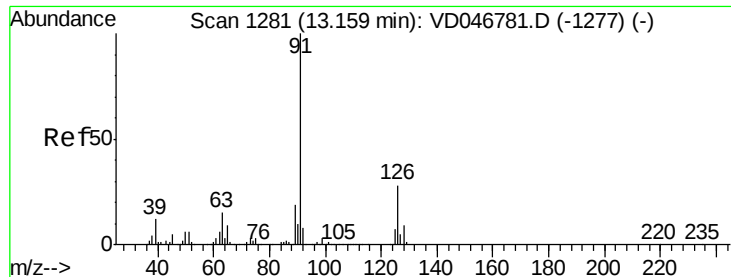
120 17.6 9.3 27.7



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

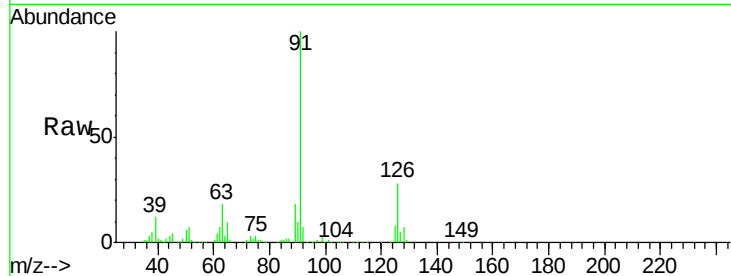




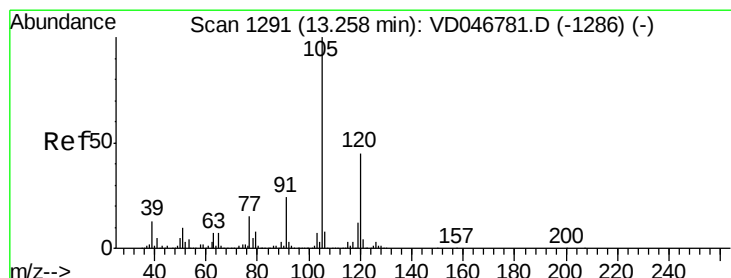
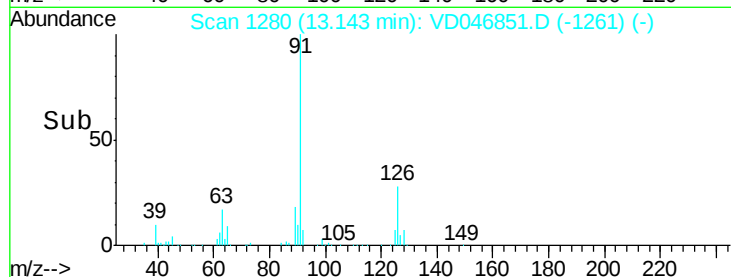
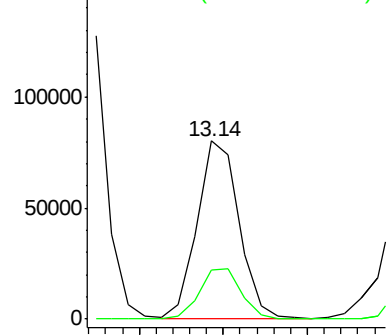
#79
 2-Chlorotoluene
 Concen: 22.04 ug/l
 RT: 13.14 min Scan# 1280
 Delta R.T. -0.02 min
 Lab File: VD046851.D
 Acq: 23 Sep 2015 13:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0923SBS01

Tot Ion: 91 Resp: 137516
 Ion Ratio Lower Upper
 91 100
 126 27.7 14.1 42.4

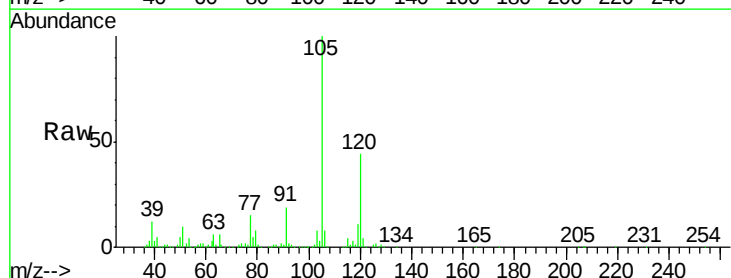


Abundance Ion 91.00 (90.70 to 91.70): VD046851.D (-1277) (-)
 Ion 125.95 (125.65 to 126.65): VD046851.D (-1277) (-)

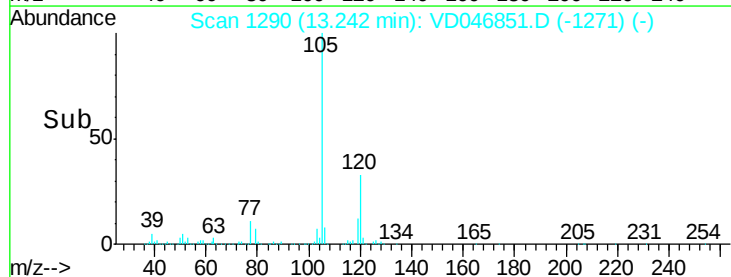
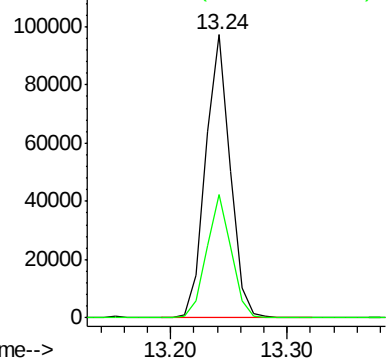


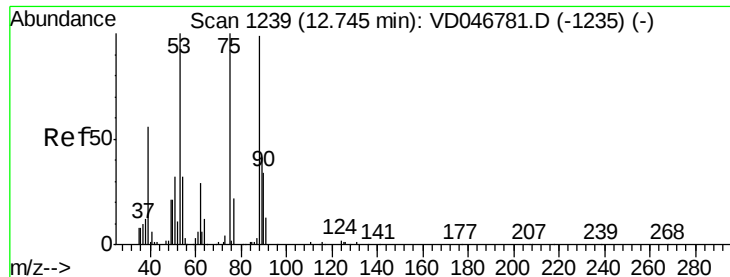
#80
 1,3,5-Trimethylbenzene
 Concen: 22.33 ug/l
 RT: 13.24 min Scan# 1290
 Delta R.T. -0.02 min
 Lab File: VD046851.D
 Acq: 23 Sep 2015 13:24

Tgt Ion: 105 Resp: 141592
 Ion Ratio Lower Upper
 105 100
 120 43.8 22.3 66.8



Abundance Ion 105.05 (104.75 to 105.75): VD046851.D (-1286) (-)
 Ion 120.05 (119.75 to 120.75): VD046851.D (-1286) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 19.47 ug/l

RT: 12.73 min Scan# 1238

Delta R.T. -0.02 min

Lab File: VD046851.D

Acq: 23 Sep 2015 13:24

Instrument :

MSVOA_D

ClientSampleId :

VD0923SBSD01

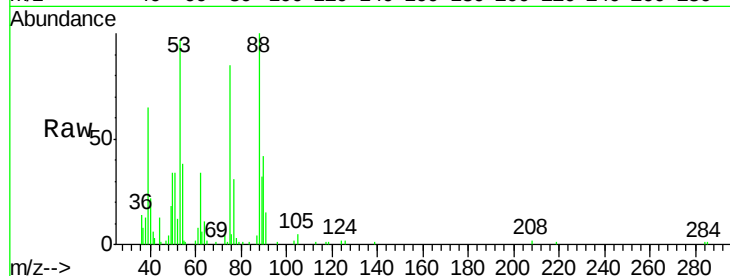
Tot Ion: 75 Resp: 6421

Ion Ratio Lower Upper

75 100

53 113.8 82.3 123.5

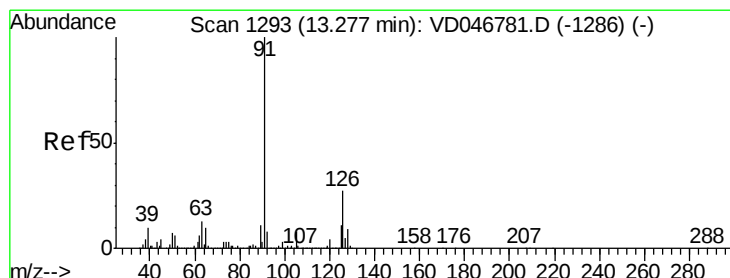
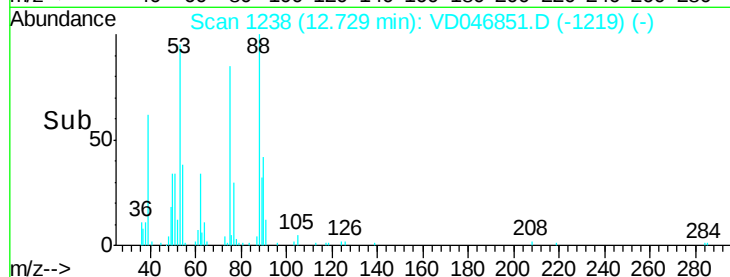
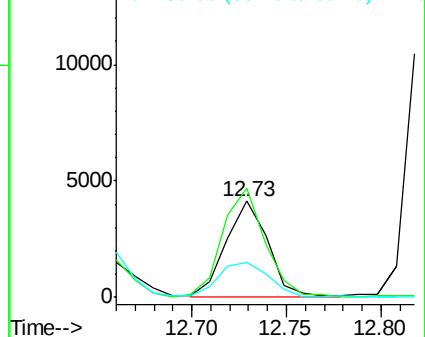
89 37.1 36.6 54.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 22.83 ug/l

RT: 13.26 min Scan# 1292

Delta R.T. -0.02 min

Lab File: VD046851.D

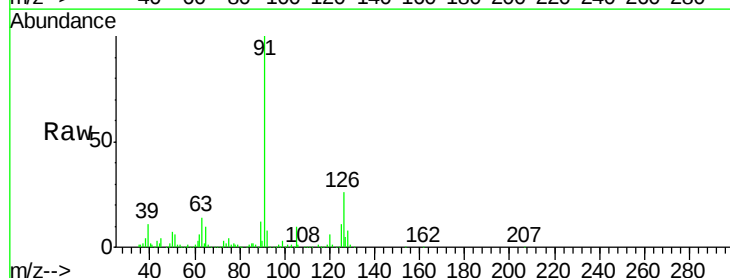
Acq: 23 Sep 2015 13:24

Tgt Ion: 91 Resp: 169545

Ion Ratio Lower Upper

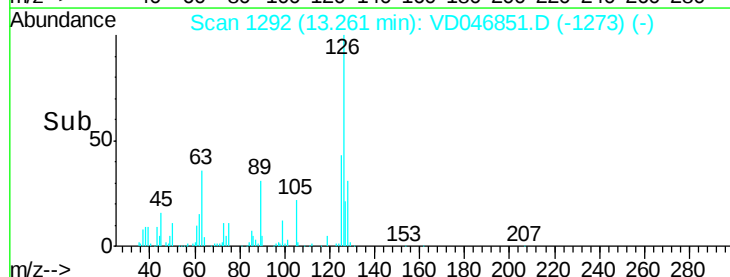
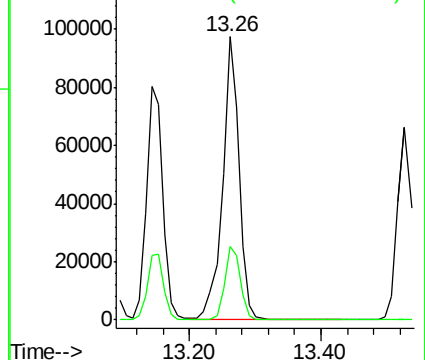
91 100

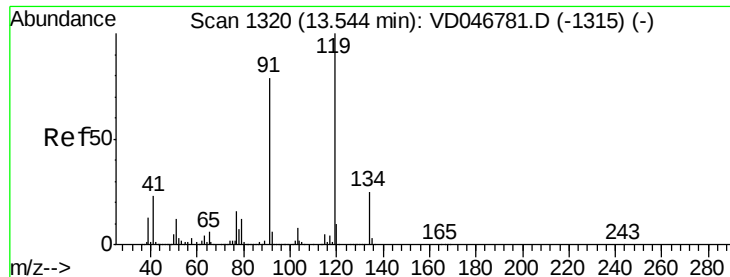
126 25.9 14.1 42.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

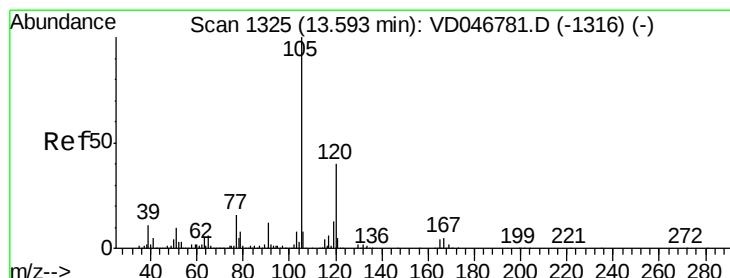
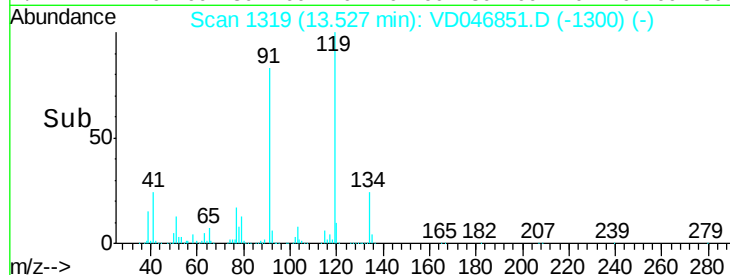
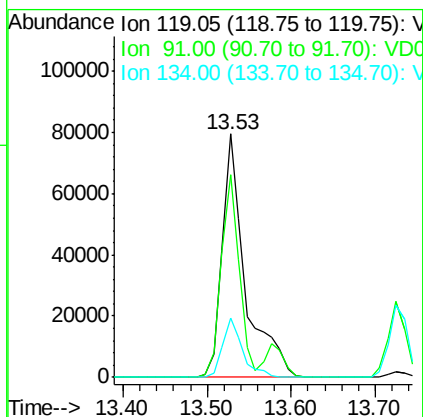
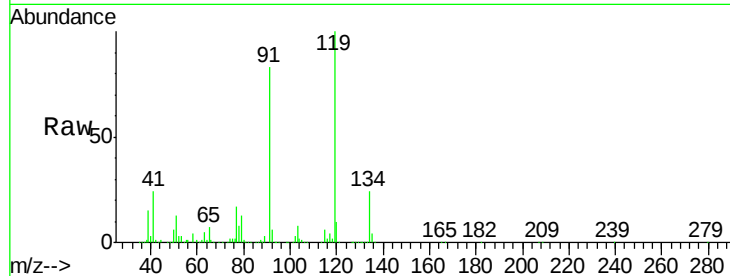




#83
 tert-Butylbenzene
 Concen: 26.76 ug/l
 RT: 13.53 min Scan# 1319
 Delta R.T. -0.02 min
 Lab File: VD046851.D
 Acq: 23 Sep 2015 13:24

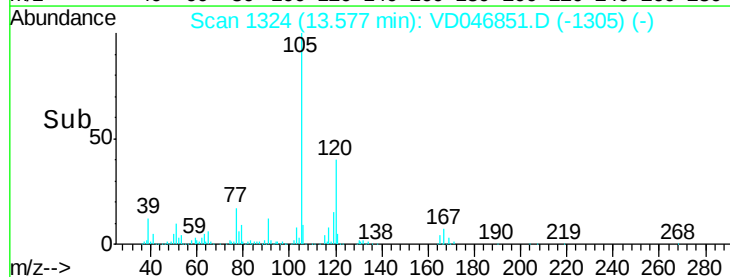
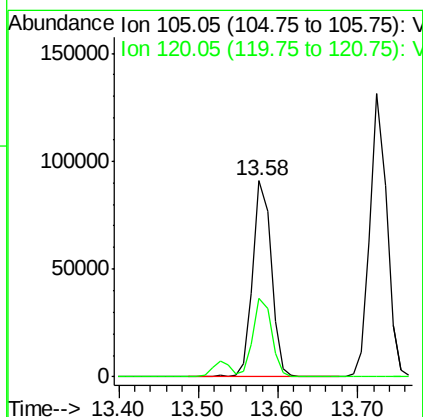
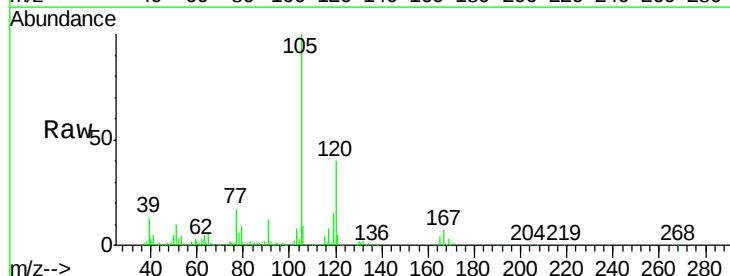
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0923SBSD01

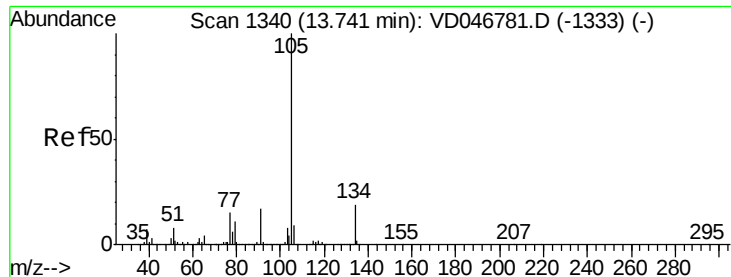
Tot Ion:119 Resp: 152970
 Ion Ratio Lower Upper
 119 100
 91 83.3 41.6 124.9
 134 24.4 12.4 37.4



#84
 1,2,4-Trimethylbenzene
 Concen: 22.88 ug/l
 RT: 13.58 min Scan# 1324
 Delta R.T. -0.02 min
 Lab File: VD046851.D
 Acq: 23 Sep 2015 13:24

Tgt Ion:105 Resp: 146057
 Ion Ratio Lower Upper
 105 100
 120 40.2 21.1 63.1





#85

sec-Butylbenzene

Concen: 22.76 ug/l

RT: 13.72 min Scan# 1339

Delta R.T. -0.02 min

Lab File: VD046851.D

Acq: 23 Sep 2015 13:24

Instrument :

MSVOA_D

ClientSampleId :

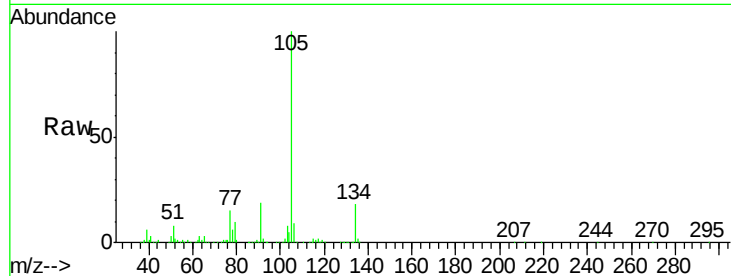
VD0923SBSD01

Tot Ion:105 Resp: 191227

Ion Ratio Lower Upper

105 100

134 17.8 10.1 30.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V

13.72

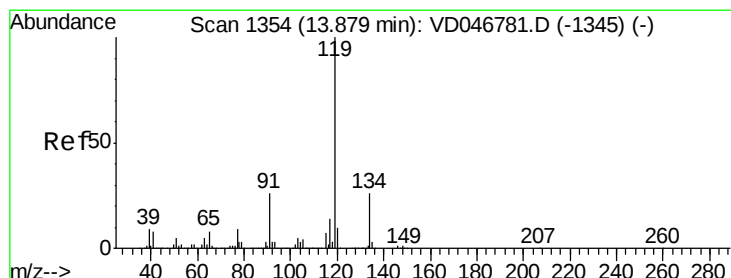
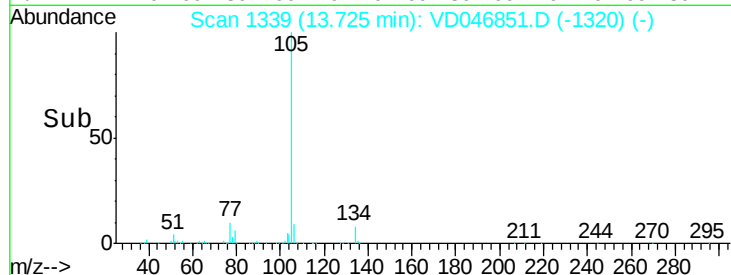
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 23.37 ug/l

RT: 13.86 min Scan# 1353

Delta R.T. -0.02 min

Lab File: VD046851.D

Acq: 23 Sep 2015 13:24

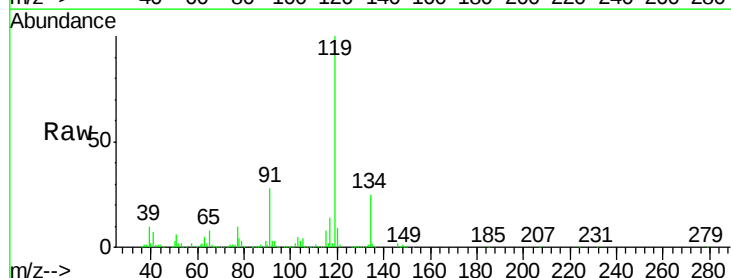
Tgt Ion:119 Resp: 154360

Ion Ratio Lower Upper

119 100

134 25.2 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

13.86

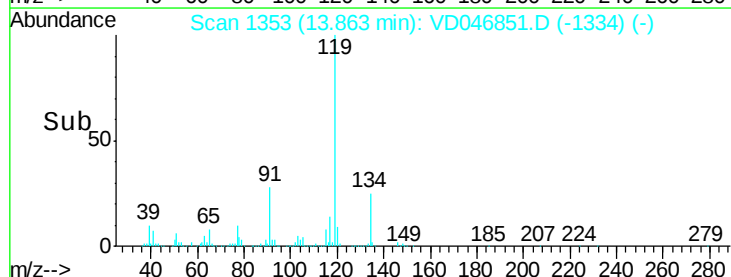
150000

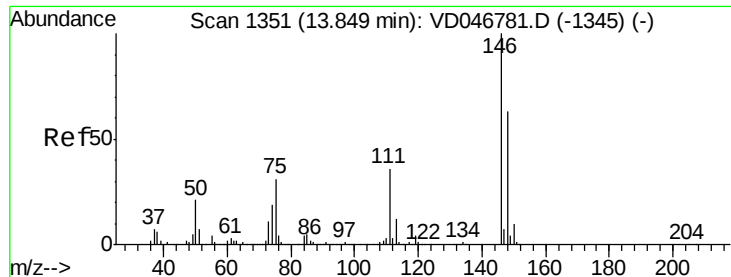
100000

50000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 21.89 ug/l

RT: 13.83 min Scan# 1350

Delta R.T. -0.02 min

Lab File: VD046851.D

Acq: 23 Sep 2015 13:24

Instrument :

MSVOA_D

ClientSampleId :

VD0923SBS01

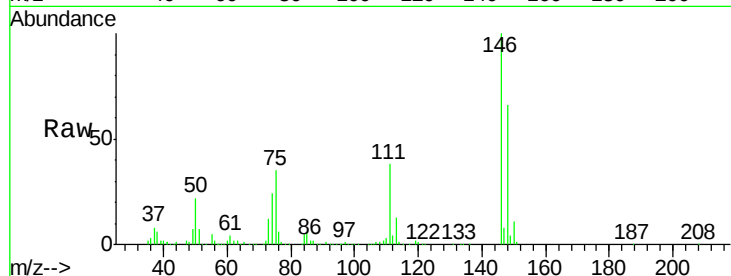
Tot Ion:146 Resp: 81721

Ion Ratio Lower Upper

146 100

111 37.6 17.4 52.2

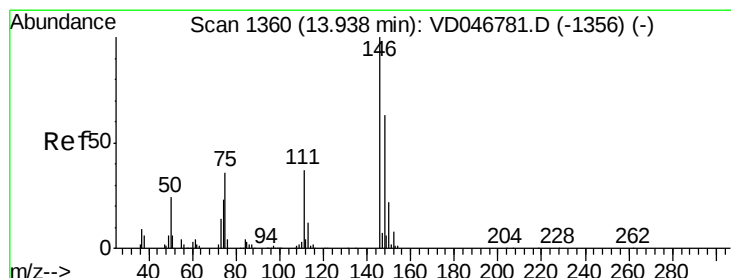
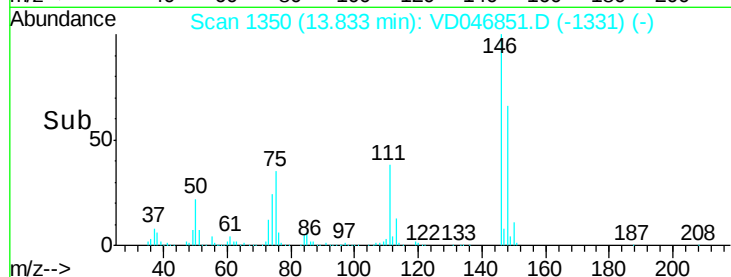
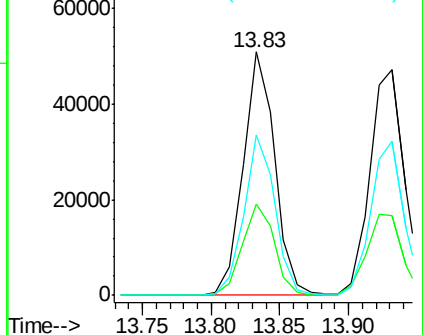
148 65.8 33.0 99.0



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 21.68 ug/l

RT: 13.93 min Scan# 1360

Delta R.T. -0.01 min

Lab File: VD046851.D

Acq: 23 Sep 2015 13:24

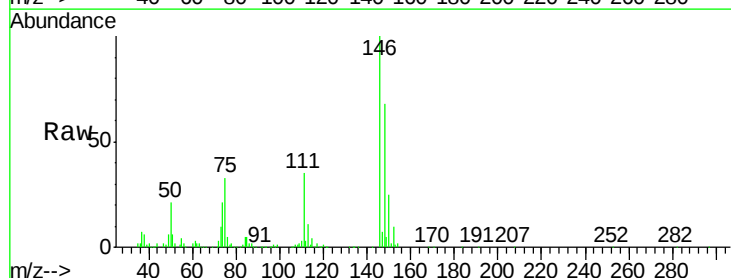
Tgt Ion:146 Resp: 80500

Ion Ratio Lower Upper

146 100

111 35.4 17.0 51.0

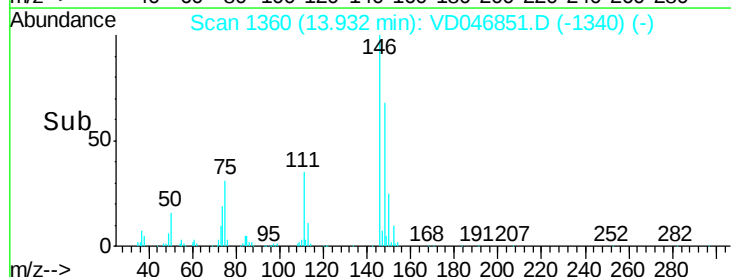
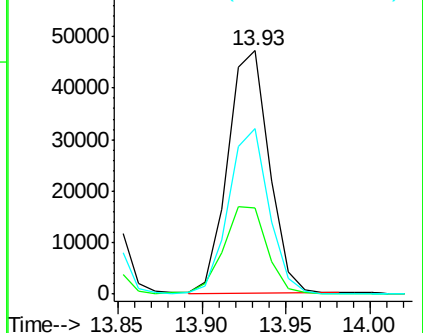
148 68.1 31.9 95.7

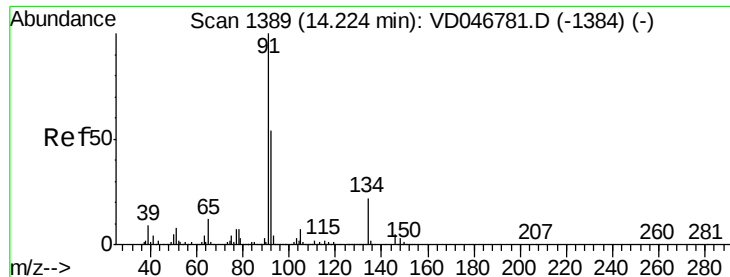


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 23.33 ug/l

RT: 14.21 min Scan# 1388

Delta R.T. -0.02 min

Lab File: VD046851.D

Acq: 23 Sep 2015 13:24

Instrument :

MSVOA_D

ClientSampleId :

VD0923SBSD01

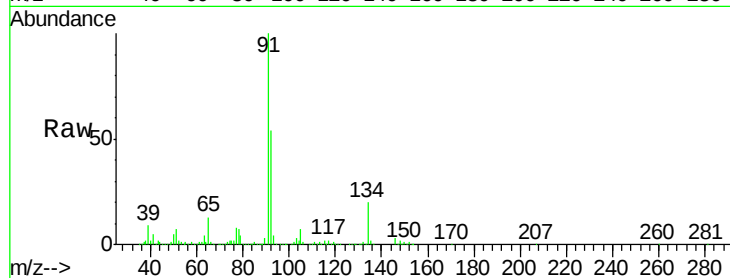
Tot Ion: 91 Resp: 173927

Ion Ratio Lower Upper

91 100

92 54.0 27.1 81.2

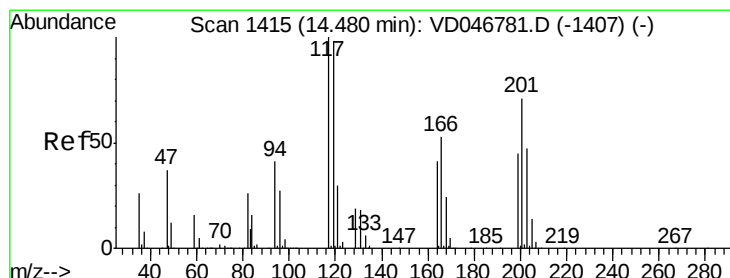
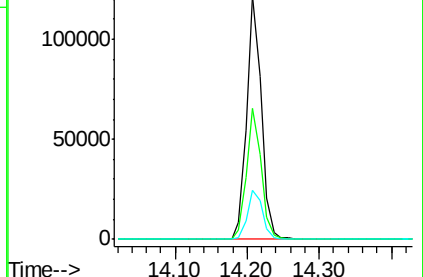
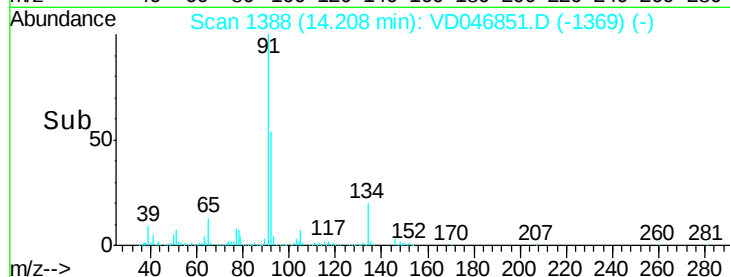
134 20.1 9.6 28.6



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 21.86 ug/l

RT: 14.46 min Scan# 1414

Delta R.T. -0.02 min

Lab File: VD046851.D

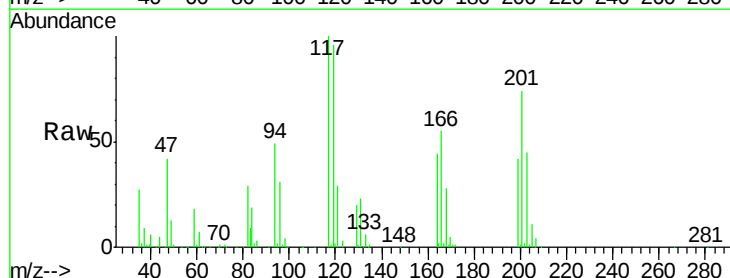
Acq: 23 Sep 2015 13:24

Tgt Ion: 117 Resp: 33474

Ion Ratio Lower Upper

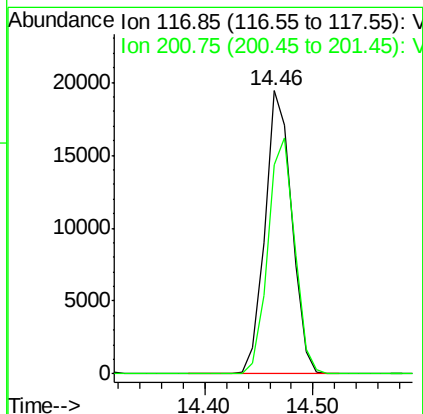
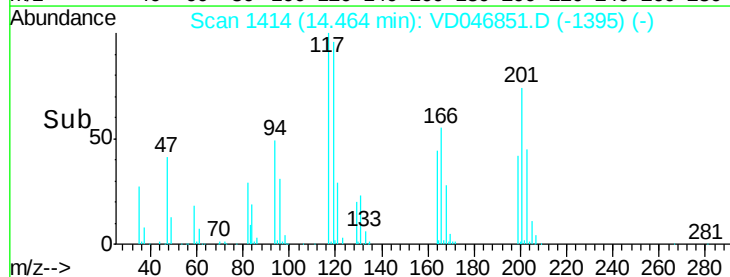
117 100

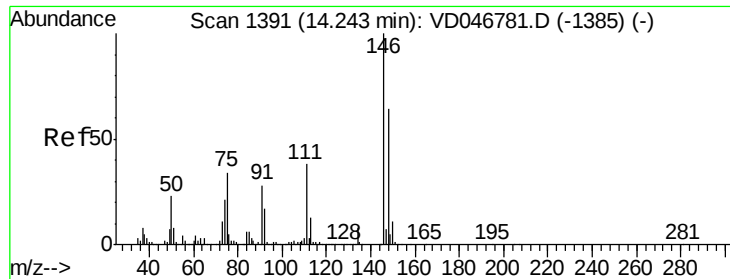
201 74.1 41.0 123.0



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

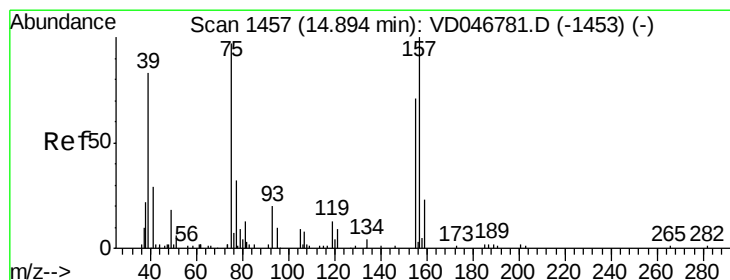
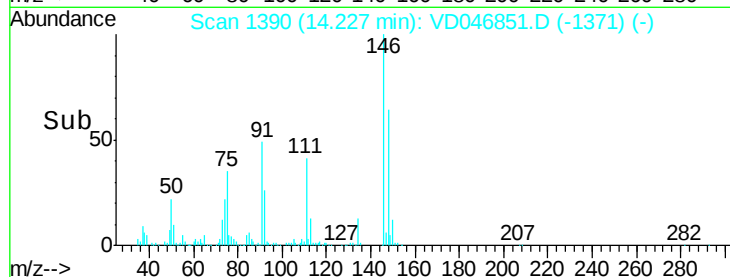
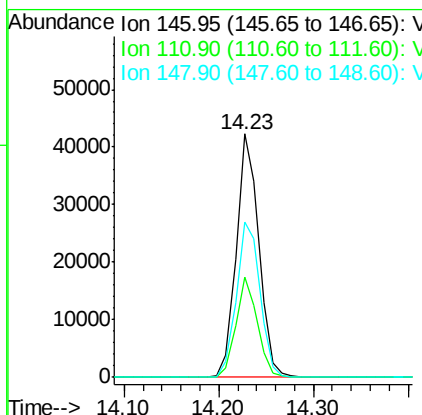
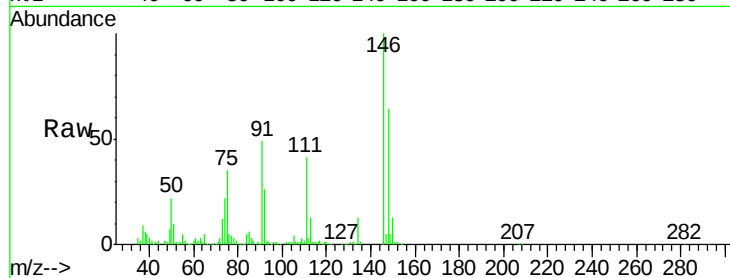




#91
 1,2-Dichlorobenzene
 Concen: 22.27 ug/l
 RT: 14.23 min Scan# 1390
 Delta R.T. -0.02 min
 Lab File: VD046851.D
 Acq: 23 Sep 2015 13:24

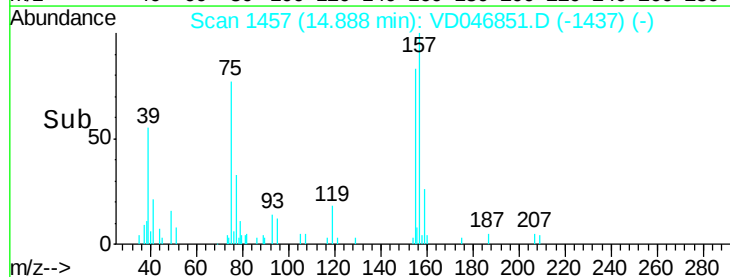
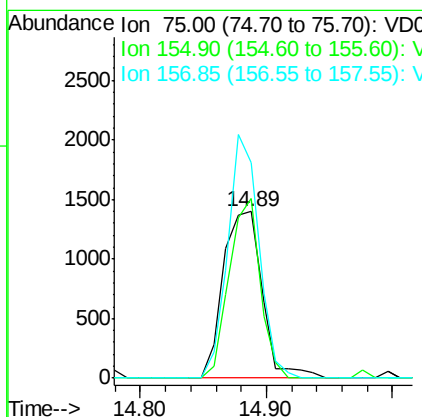
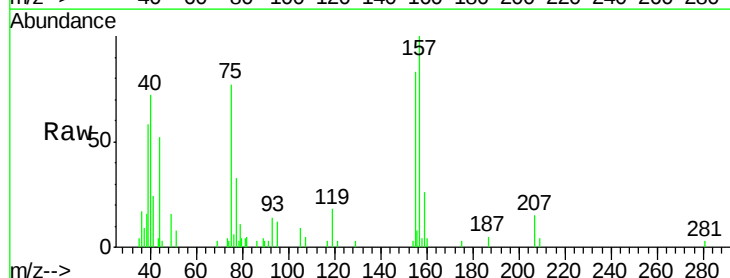
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0923SBSD01

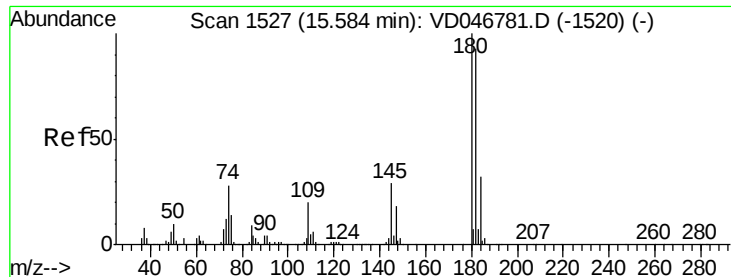
Tot Ion:146 Resp: 69851
 Ion Ratio Lower Upper
 146 100
 111 41.2 18.2 54.6
 148 63.5 31.1 93.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.09 ug/l
 RT: 14.89 min Scan# 1457
 Delta R.T. -0.01 min
 Lab File: VD046851.D
 Acq: 23 Sep 2015 13:24

Tgt Ion: 75 Resp: 2986
 Ion Ratio Lower Upper
 75 100
 155 108.3 41.4 124.4
 157 129.9 65.0 195.1

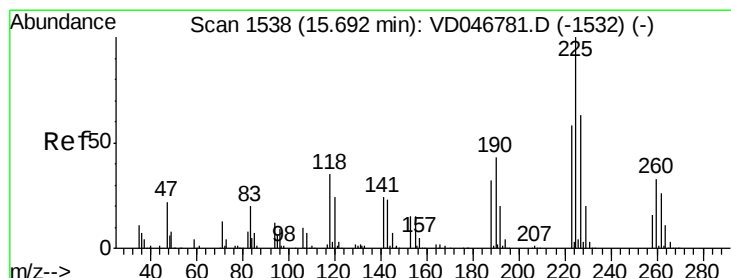
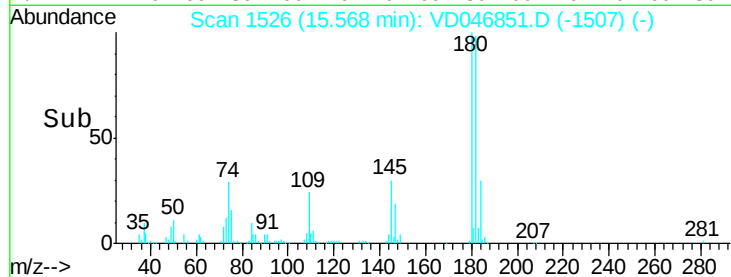
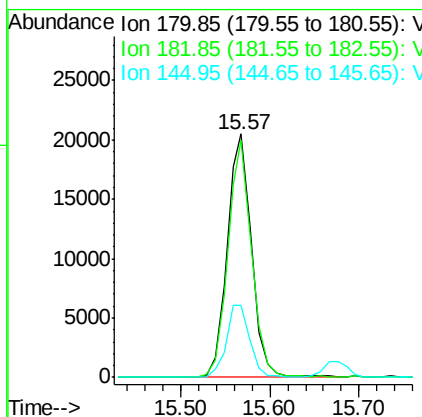
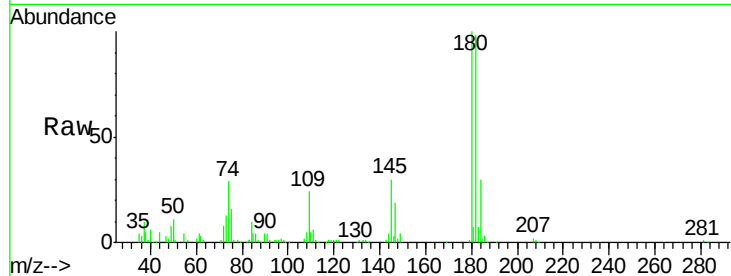




#93
 1,2,4-Trichlorobenzene
 Concen: 21.84 ug/l
 RT: 15.57 min Scan# 1526
 Delta R.T. -0.02 min
 Lab File: VD046851.D
 Acq: 23 Sep 2015 13:24

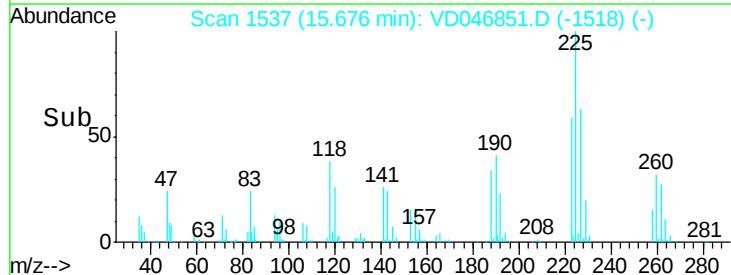
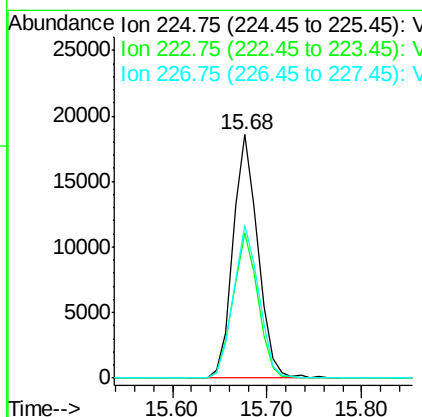
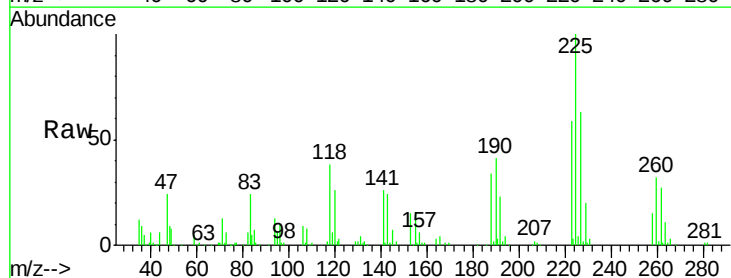
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0923SBSD01

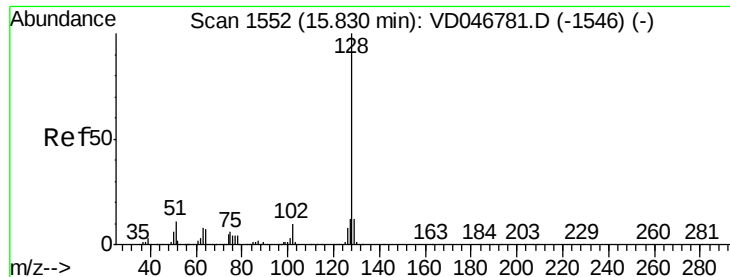
Tot Ion:180 Resp: 39438
 Ion Ratio Lower Upper
 180 100
 182 97.6 47.5 142.5
 145 29.7 14.6 44.0



#94
 Hexachlorobutadiene
 Concen: 22.69 ug/l
 RT: 15.68 min Scan# 1537
 Delta R.T. -0.02 min
 Lab File: VD046851.D
 Acq: 23 Sep 2015 13:24

Tgt Ion:225 Resp: 33736
 Ion Ratio Lower Upper
 225 100
 223 59.4 30.4 91.2
 227 62.7 31.3 93.9





#95

Naphthalene

Concen: 20.19 ug/l

RT: 15.81 min Scan# 1551

Delta R.T. -0.02 min

Lab File: VD046851.D

Acq: 23 Sep 2015 13:24

Instrument :

MSVOA_D

ClientSampleId :

VD0923SBSD01

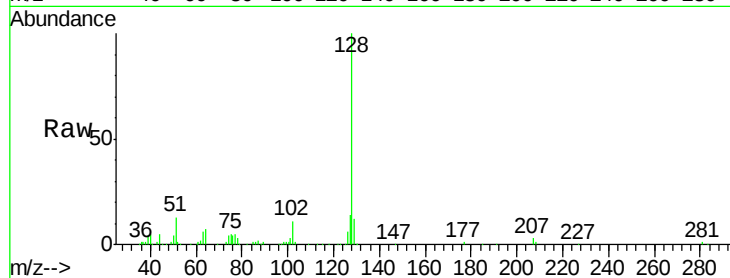
Tot Ion:128 Resp: 44700

Ion Ratio Lower Upper

128 100

127 13.5 9.8 14.6

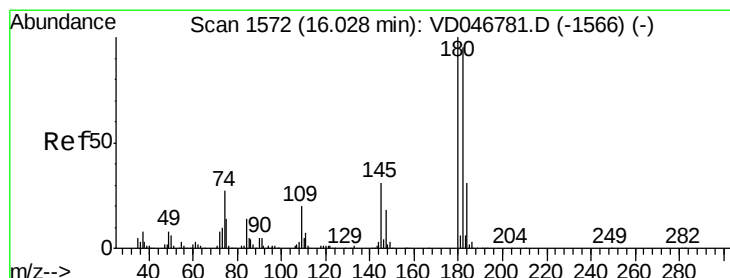
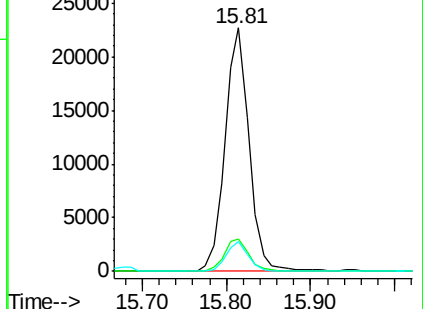
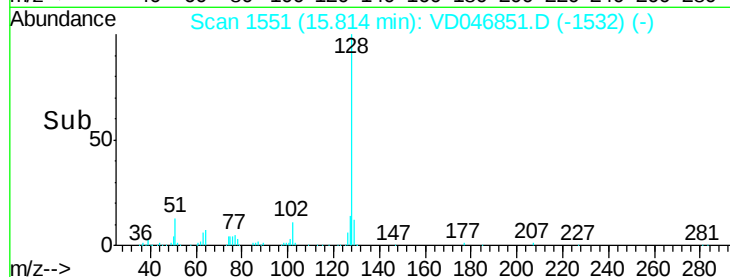
129 12.0 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 22.10 ug/l

RT: 16.01 min Scan# 1571

Delta R.T. -0.02 min

Lab File: VD046851.D

Acq: 23 Sep 2015 13:24

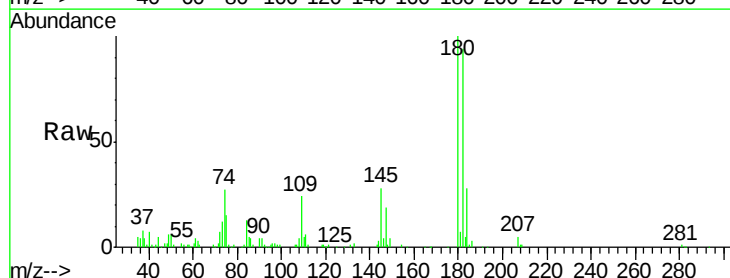
Tgt Ion:180 Resp: 33355

Ion Ratio Lower Upper

180 100

182 94.0 47.4 142.3

145 27.6 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

