

Data Path : W:\HPCHEM1\MSVOA D\DATA\VD092115\
 Data File : VD046801.D
 Acq On : 21 Sep 2015 12:34
 Operator : FY/SY
 Sample : VD0921SBS01
 Misc : 5.00µm/5mL/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0921SBS01

Quant Time: Sep 22 01:02:15 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	198193	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.42	114	249022	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.57	117	237771	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	13.90	152	127403	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.70	65	111572	54.14	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	108.28%	
35) Dibromofluoromethane	6.19	113	102786	52.76	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	105.52%	
50) Toluene-d8	9.60	98	366456	59.62	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	119.24%	
62) 4-Bromofluorobenzene	12.84	95	144629	58.44	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	116.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.41	85	44245	22.01	ug/l	97
3) Chlorodifluoromethane	1.43	51	35556	20.37	ug/l #	92
4) Chloromethane	1.57	50	23812	20.38	ug/l	99
5) Vinyl Chloride	1.67	62	23456	21.38	ug/l	97
6) Bromomethane	1.96	94	22687	21.54	ug/l	98
7) Chloroethane	2.07	64	14475	21.07	ug/l	97
8) Trichlorofluoromethane	2.32	101	67812	20.89	ug/l	100
9) Diethyl Ether	2.63	74	10954	19.04	ug/l	90
10) 1,1,2-Trichlorotrifluoroet	2.88	101	42157	20.76	ug/l	96
11) Methyl Iodide	3.04	142	43707	19.52	ug/l	93
12) Tert butyl alcohol	3.65	59	8223	81.44	ug/l #	91
13) 1,1-Dichloroethene	2.87	96	33557	21.13	ug/l	97
14) Acrolein	2.77	56	10136	96.28	ug/l #	82
15) Allyl chloride	3.32	41	65488	20.31	ug/l	90
16) Acrylonitrile	3.83	53	24046	99.94	ug/l	99
17) Acetone	2.93	43	33817	97.13	ug/l	98
18) Carbon Disulfide	3.12	76	119051	20.01	ug/l	96
19) Methyl Acetate	3.33	43	39476	19.57	ug/l	100
20) Methyl tert-butyl Ether	3.89	73	51923	20.87	ug/l	93
21) Methylene Chloride	3.49	84	38298	20.26	ug/l	91
22) trans-1,2-Dichloroethene	3.88	96	36897	20.61	ug/l	97
23) Diisopropyl ether	4.64	45	109354	20.43	ug/l	94
24) Vinyl Acetate	4.59	43	146859	125.03	ug/l #	95
25) 1,1-Dichloroethane	4.55	63	67828	20.57	ug/l	99
26) 2-Butanone	5.44	43	39736	101.54	ug/l	97
27) 2,2-Dichloropropane	5.41	77	69427	20.50	ug/l	97
28) cis-1,2-Dichloroethene	5.41	96	38530	20.67	ug/l	97
29) Bromochloromethane	5.77	49	27054	20.83	ug/l #	93
30) Chloroform	5.96	83	82795	20.70	ug/l	97
31) Cyclohexane	6.26	56	61805	19.98	ug/l	88
32) 1,1,1-Trichloroethane	6.16	97	74075	20.80	ug/l	98
36) 1,1-Dichloropropene	6.41	75	60085	20.65	ug/l	99
37) Ethyl Acetate	5.53	43	17766	19.01	ug/l #	97
38) Carbon Tetrachloride	6.40	117	62396	20.63	ug/l	99

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Quant Time: Sep 22 01:02:15 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	62718	21.27	µg/l	99
40) Benzene	6.71	78	152445	20.52	µg/l	99
41) Methacrylonitrile	5.75	41	10578	20.17	µg/l #	95
42) 1,2-Dichloroethane	6.81	62	47968	20.79	µg/l	98
43) Isopropyl Acetate	8.39	43	23704	19.24	µg/l #	96
44) Trichloroethene	7.73	130	37860	20.36	µg/l	92
45) 1,2-Dichloropropane	8.13	63	37734	20.50	µg/l	99
46) Dibromomethane	8.25	93	21264	20.35	µg/l	95
47) Bromodichloromethane	8.55	83	55302	20.16	µg/l	97
48) Methyl methacrylate	8.07	41	38039	20.19	µg/l	97
49) 1,4-Dioxane	8.28	88	2765	396.74	µg/l #	65
51) 4-Methyl-2-Pentanone	9.47	43	89884	100.95	µg/l	97
52) Toluene	9.70	92	100113	21.85	µg/l	95
53) t-1,3-Dichloropropene	10.11	75	40117	19.81	µg/l	98
54) cis-1,3-Dichloropropene	9.22	75	53865	20.65	µg/l	94
55) 1,1,2-Trichloroethane	10.38	97	25078	21.14	µg/l	99
56) Ethyl methacrylate	10.23	69	20758	19.43	µg/l	93
57) 1,3-Dichloropropane	10.59	76	44942	20.37	µg/l	94
58) 2-Chloroethyl Vinyl ether	9.02	63	59547	105.53	µg/l	97
59) 2-Hexanone	10.70	43	65971	102.55	µg/l	95
60) Dibromochloromethane	10.88	129	33835	20.78	µg/l	92
61) 1,2-Dibromoethane	11.00	107	23925	20.42	µg/l	96
64) Tetrachloroethene	10.46	164	39505	20.57	µg/l	96
65) Chlorobenzene	11.60	112	103230	20.63	µg/l	98
66) 1,1,1,2-Tetrachloroethane	11.71	131	37767	20.55	µg/l	99
67) Ethyl Benzene	11.72	91	208422	20.73	µg/l	96
68) m/p-Xylenes	11.87	106	134281	42.34	µg/l	89
69) o-Xylene	12.28	106	61777	21.64	µg/l	93
70) Styrene	12.31	104	105358	21.29	µg/l	99
71) Bromoform	12.49	173	19868	20.30	µg/l	99
73) Isopropylbenzene	12.66	105	188619	21.00	µg/l	94
74) N-amyl acetate	12.49	43	35015	18.75	µg/l #	92
75) 1,1,2,2-Tetrachloroethane	12.98	83	28429	19.61	µg/l	97
76) 1,2,3-Trichloropropane	13.02	75	29963	19.32	µg/l	90
77) Bromobenzene	12.97	156	45588	20.18	µg/l	89
78) n-propylbenzene	13.06	91	268276	21.15	µg/l	96
79) 2-Chlorotoluene	13.14	91	145395	20.65	µg/l	97
80) 1,3,5-Trimethylbenzene	13.24	105	148433	20.74	µg/l	99
81) trans-1,4-Dichloro-2-buten	12.73	75	7003	18.94	µg/l	95
82) 4-Chlorotoluene	13.26	91	176334	21.04	µg/l	97
83) tert-Butylbenzene	13.53	119	161449	25.02	µg/l	99
84) 1,2,4-Trimethylbenzene	13.59	105	149063	20.69	µg/l	98
85) sec-Butylbenzene	13.72	105	202293	21.33	µg/l	96
86) p-Isopropyltoluene	13.86	119	158457	21.26	µg/l	98
87) 1,3-Dichlorobenzene	13.83	146	87821	20.84	µg/l	99
88) 1,4-Dichlorobenzene	13.93	146	85416	20.38	µg/l	97
89) n-Butylbenzene	14.21	91	184172	21.88	µg/l	100
90) Hexachloroethane	14.47	117	35692	20.65	µg/l	95
91) 1,2-Dichlorobenzene	14.23	146	72799	20.57	µg/l	94
92) 1,2-Dibromo-3-Chloropropan	14.88	75	3711	19.92	µg/l	70

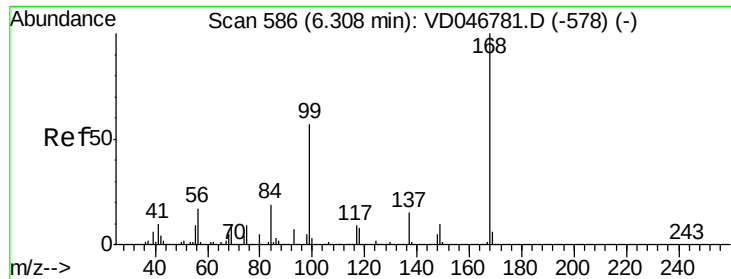
Data Path : W:\HPCHEM1\MSVOA D\DATA\VD092115\
Data File : VD046801.D
Acq On : 21 Sep 2015 12:34
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Sample : VD0921SBSD01
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Quant Method : W:\HPCHEM1\MSVOA_D\METHOD\82D091815S.M
Quant Title : SW846 8260
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	43237	21.21	ug/l	100
94) Hexachlorobutadiene	15.68	225	35113	20.93	ug/l	98
95) Naphthalene	15.81	128	48732	19.58	ug/l	98
96) 1,2,3-Trichlorobenzene	16.01	180	36172	21.24	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.29 min Scan# 585

Delta R.T. -0.02 min

Lab File: VD046801.D

Acq: 21 Sep 2015 12:34

Instrument :

MSVOA_D

ClientSampleId :

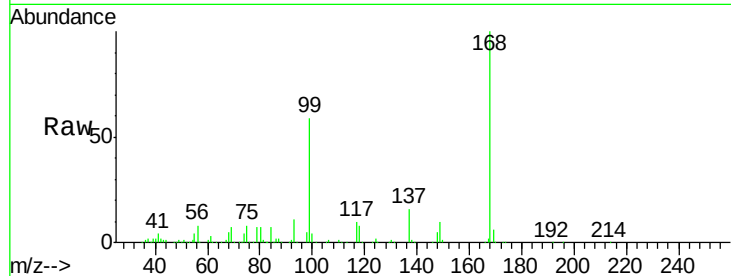
VD0921SBS01

Tot Ion:168 Resp: 198193

Ion Ratio Lower Upper

168 100

99 58.7 42.4 63.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.29

80000

60000

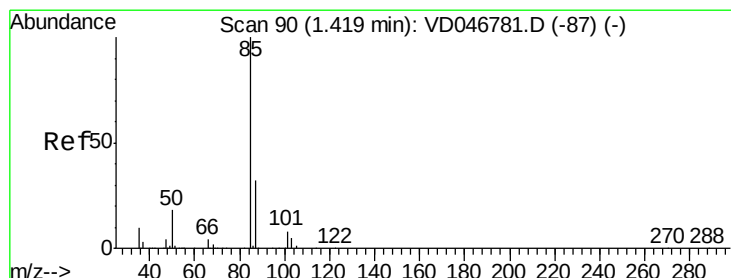
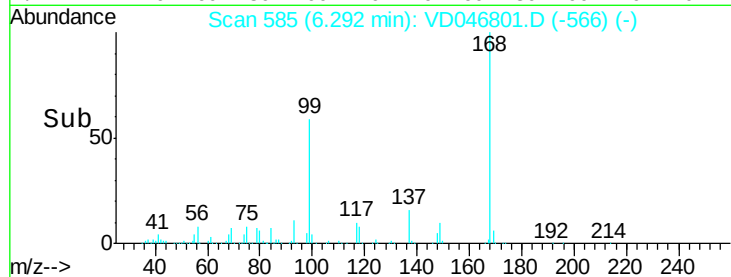
40000

20000

0

6.20 6.30 6.40

Time-->



#2

Dichlorodifluoromethane

Concen: 22.01 ug/l

RT: 1.41 min Scan# 90

Delta R.T. -0.01 min

Lab File: VD046801.D

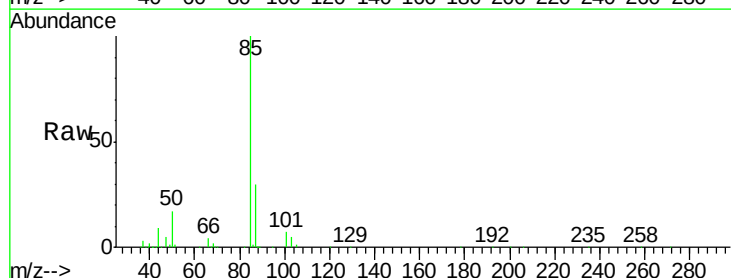
Acq: 21 Sep 2015 12:34

Tgt Ion: 85 Resp: 44245

Ion Ratio Lower Upper

85 100

87 30.4 16.2 48.5



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.41

40000

30000

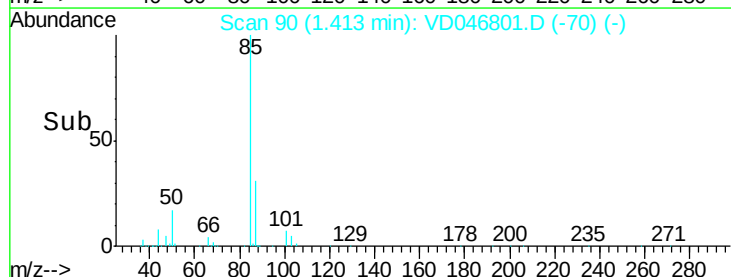
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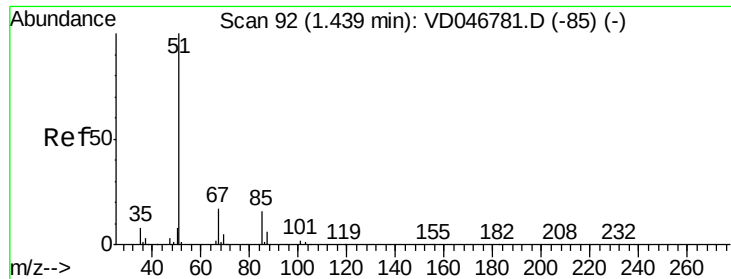
10000

0

1.35 1.40 1.45 1.50

Time-->

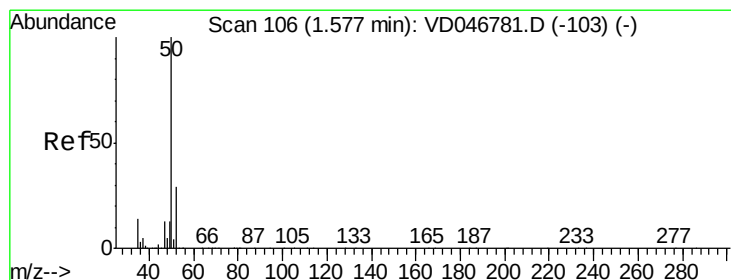
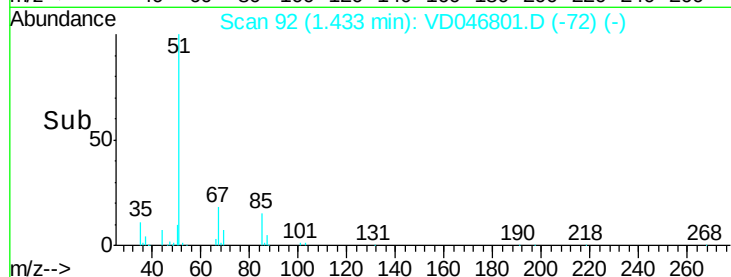
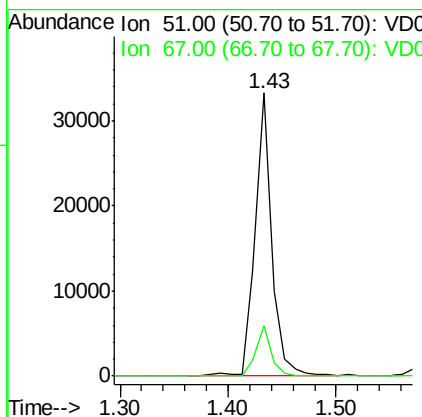
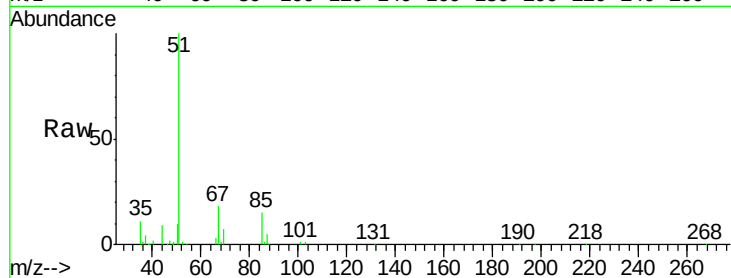




#3
 Chlorodifluoromethane
 Concen: 20.37 ug/l
 RT: 1.43 min Scan# 92
 Delta R.T. -0.01 min
 Lab File: VD046801.D
 Acq: 21 Sep 2015 12:34

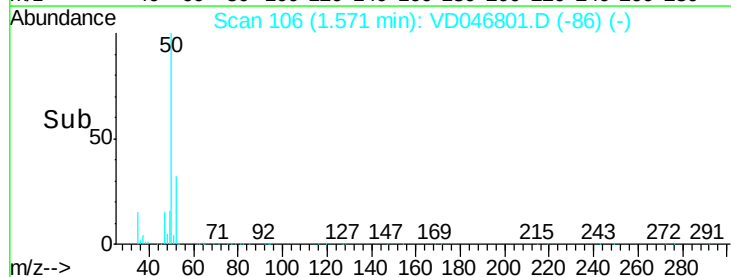
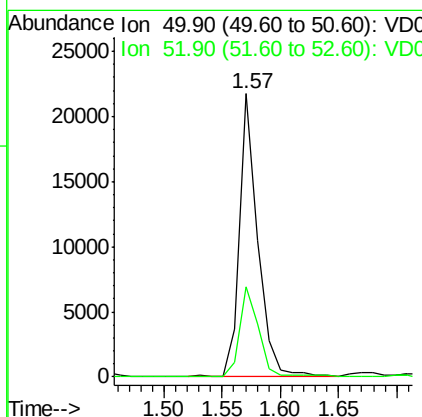
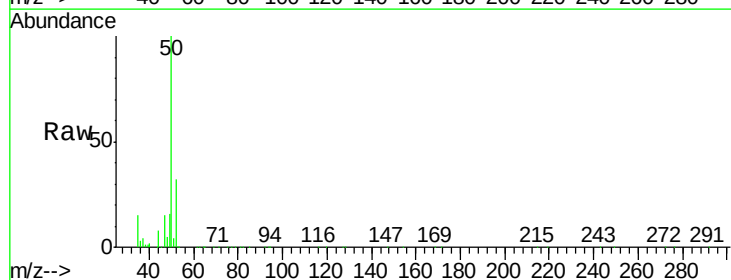
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0921SBSD01

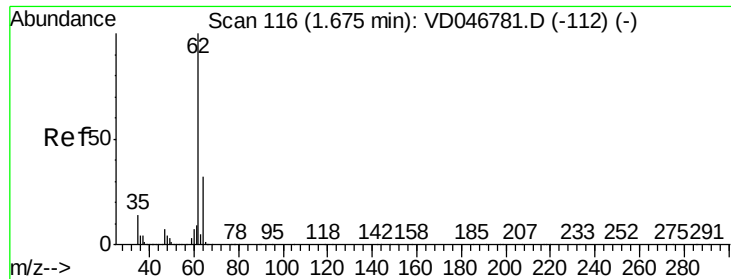
Tot Ion: 51 Resp: 35556
 Ion Ratio Lower Upper
 51 100
 67 16.7 10.9 16.3#



#4
 Chloromethane
 Concen: 20.38 ug/l
 RT: 1.57 min Scan# 106
 Delta R.T. -0.01 min
 Lab File: VD046801.D
 Acq: 21 Sep 2015 12:34

Tgt Ion: 50 Resp: 23812
 Ion Ratio Lower Upper
 50 100
 52 31.9 26.2 39.2





#5

Vinyl Chloride

Concen: 21.38 ug/l

RT: 1.67 min Scan# 116

Delta R.T. -0.01 min

Lab File: VD046801.D

Acq: 21 Sep 2015 12:34

Instrument :

MSVOA_D

ClientSampleId :

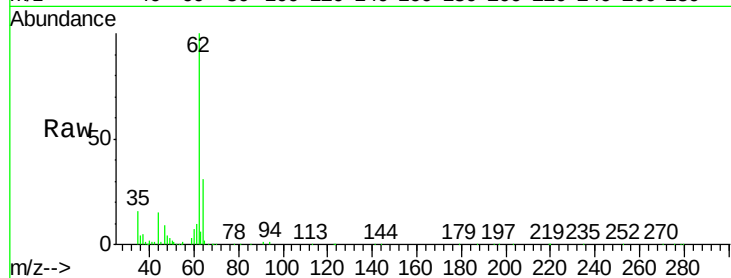
VD0921SBSD01

Tot Ion: 62 Resp: 23456

Ion Ratio Lower Upper

62 100

64 31.4 26.4 39.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

20000

15000

10000

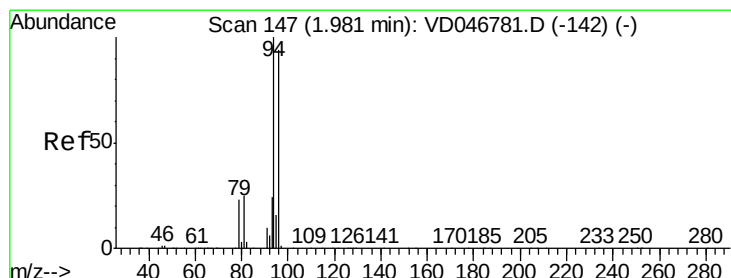
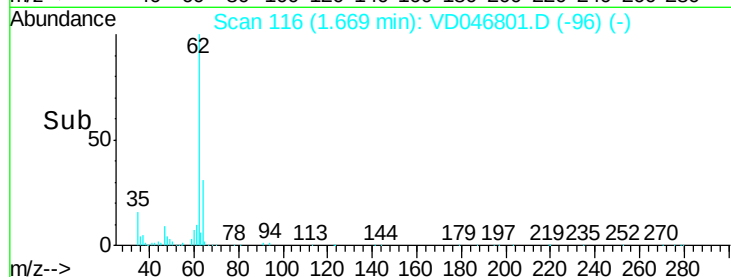
5000

0

1.67

1.60 1.65 1.70 1.75

Time-->



#6

Bromomethane

Concen: 21.54 ug/l

RT: 1.96 min Scan# 146

Delta R.T. -0.02 min

Lab File: VD046801.D

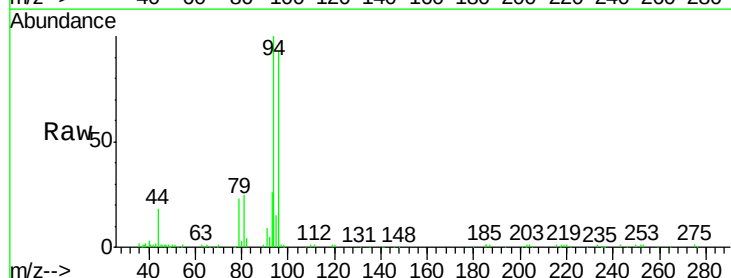
Acq: 21 Sep 2015 12:34

Tgt Ion: 94 Resp: 22687

Ion Ratio Lower Upper

94 100

96 93.2 76.0 114.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

15000

10000

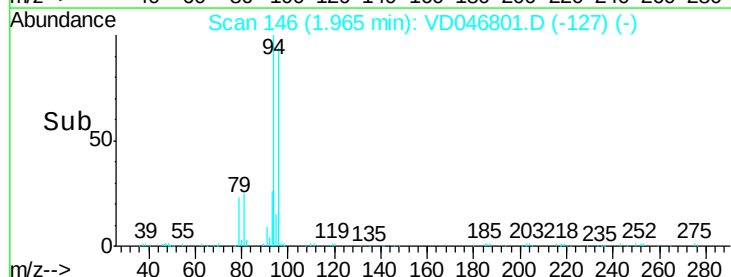
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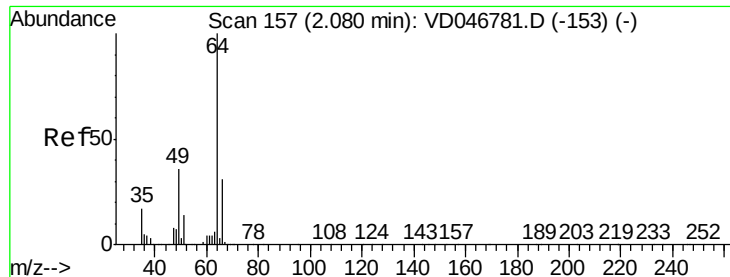
0

1.96

1.90 1.95 2.00 2.05 2.10

Time-->





#7

Chloroethane

Concen: 21.07 ug/l

RT: 2.07 min Scan# 157

Delta R.T. -0.01 min

Lab File: VD046801.D

Acq: 21 Sep 2015 12:34

Instrument :

MSVOA_D

ClientSampleId :

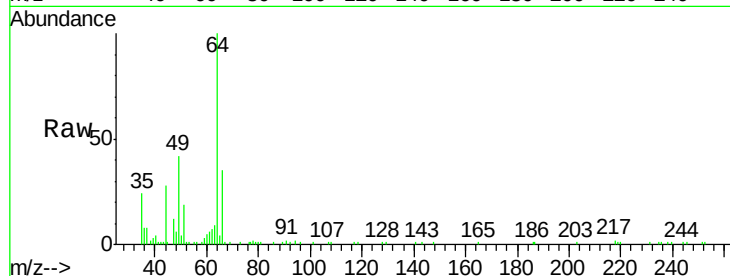
VD0921SBSD01

Tot Ion: 64 Resp: 14475

Ion Ratio Lower Upper

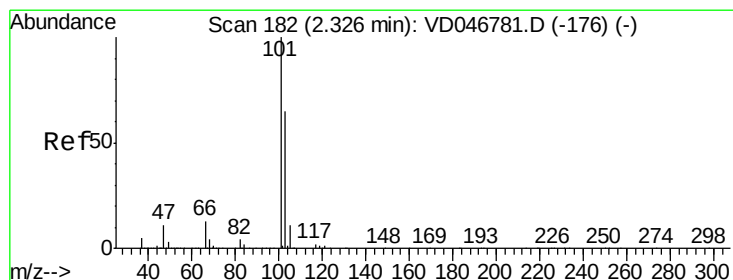
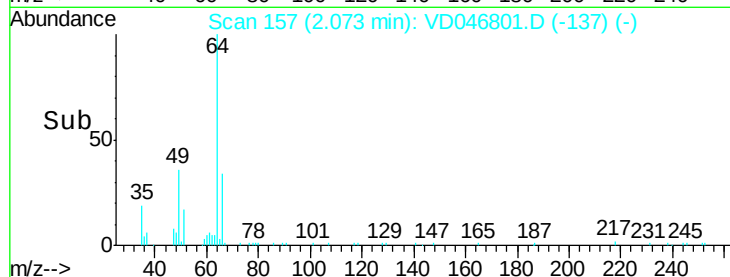
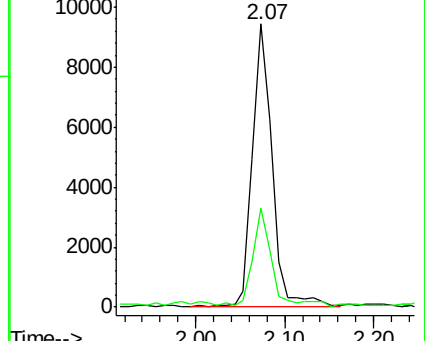
64 100

66 35.1 26.6 39.8



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



#8

Trichlorofluoromethane

Concen: 20.89 ug/l

RT: 2.32 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD046801.D

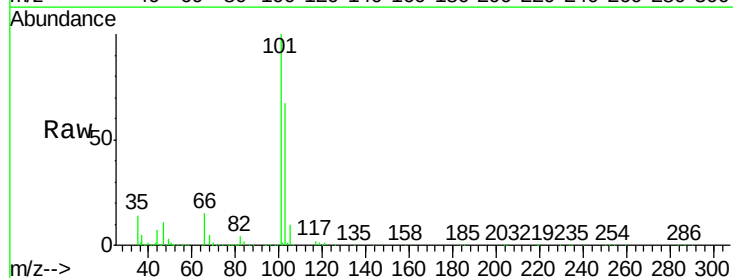
Acq: 21 Sep 2015 12:34

Tgt Ion: 101 Resp: 67812

Ion Ratio Lower Upper

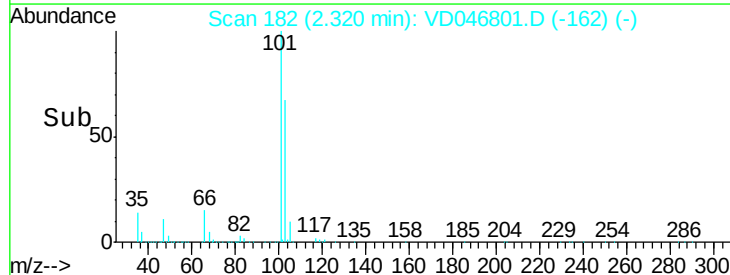
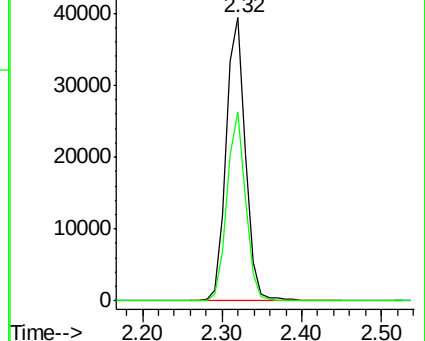
101 100

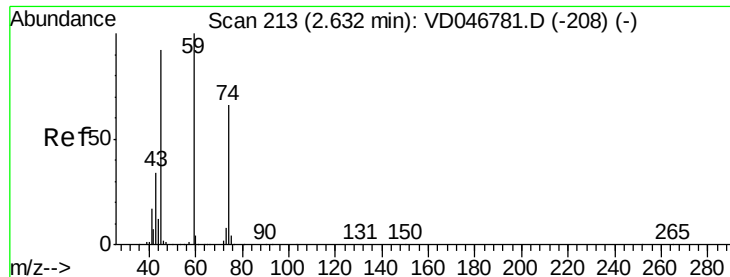
103 66.8 53.2 79.8



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V





#9

Diethyl Ether

Concen: 19.04 ug/l

RT: 2.63 min Scan# 213

Delta R.T. -0.01 min

Lab File: VD046801.D

Acq: 21 Sep 2015 12:34

Instrument :

MSVOA_D

ClientSampleId :

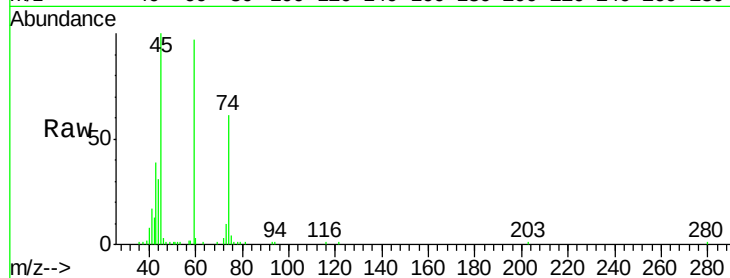
VD0921SBSD01

Tot Ion: 74 Resp: 10954

Ion Ratio Lower Upper

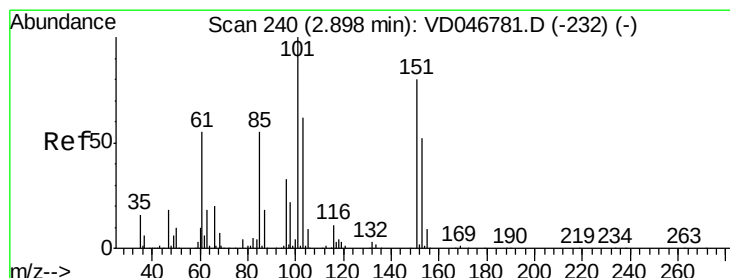
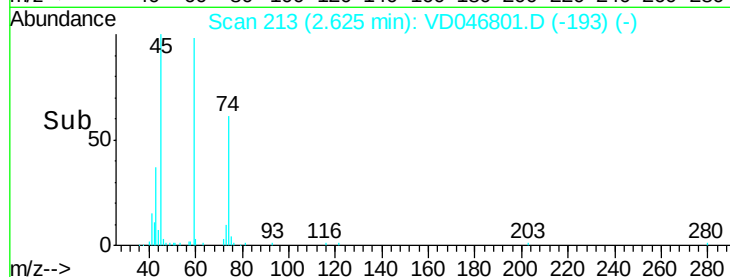
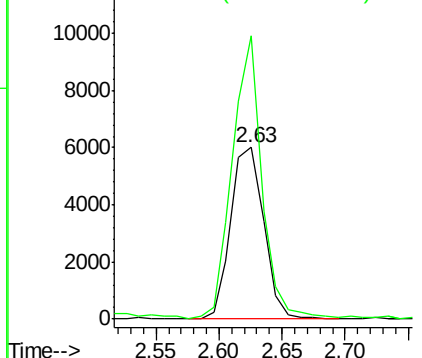
74 100

45 164.9 76.2 228.6



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC



#10

1,1,2-Trichlorotrifluoroethane

Concen: 20.76 ug/l

RT: 2.88 min Scan# 239

Delta R.T. -0.02 min

Lab File: VD046801.D

Acq: 21 Sep 2015 12:34

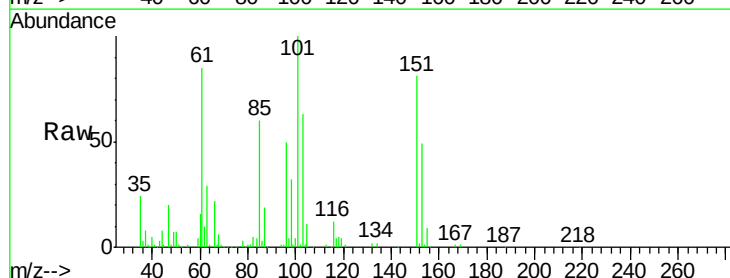
Tgt Ion: 101 Resp: 42157

Ion Ratio Lower Upper

101 100

85 59.8 42.0 63.0

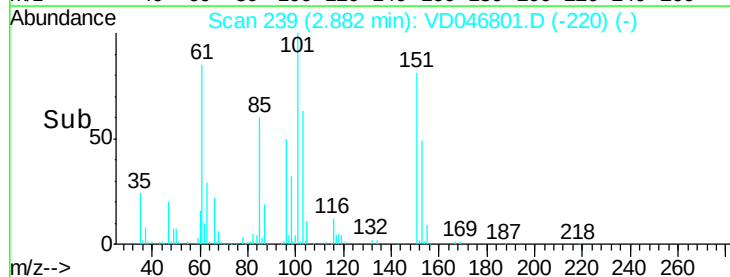
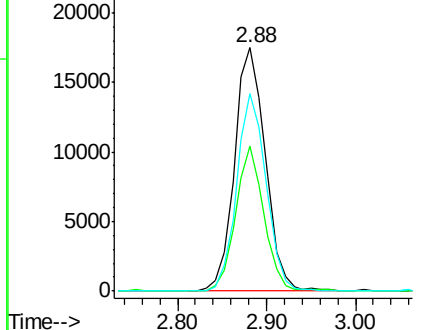
151 81.4 65.2 97.8

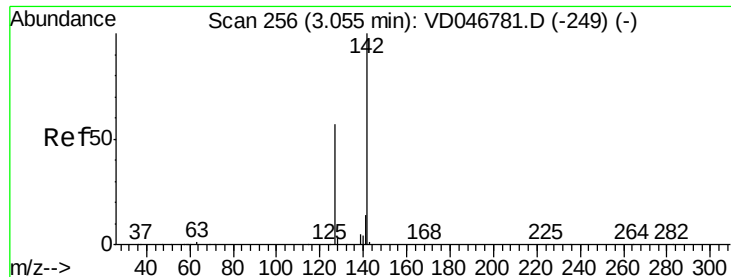


Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): VDC

Ion 150.90 (150.60 to 151.60): V

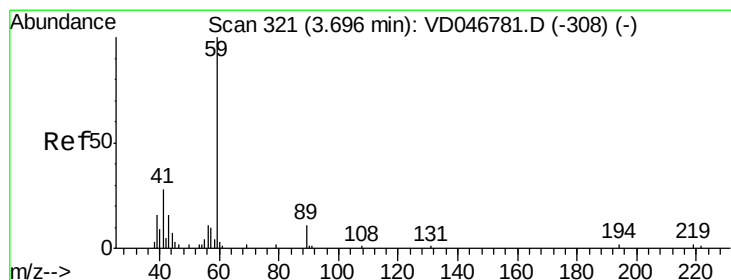
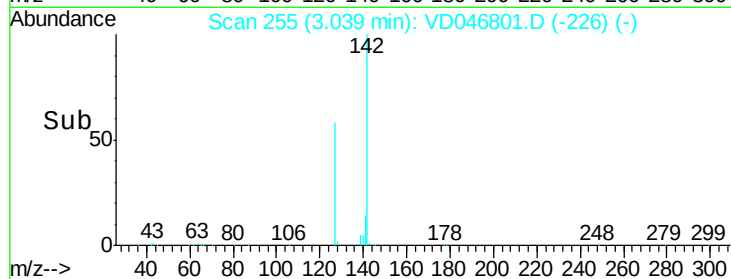
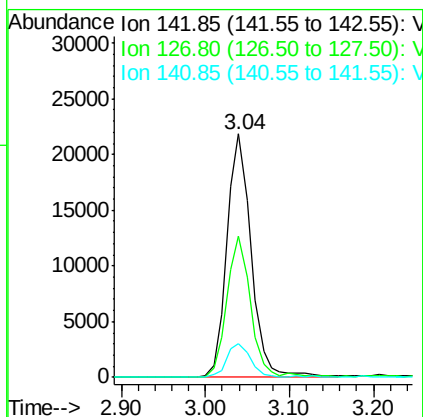
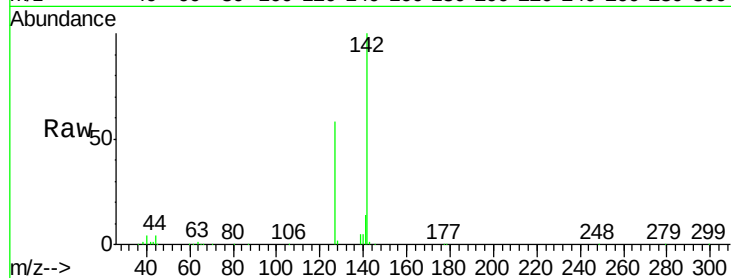




#11
Methvl Iodide
Concen: 19.52 ug/l
RT: 3.04 min Scan# 255
Delta R.T. -0.02 min
Lab File: VD046801.D
Acq: 21 Sep 2015 12:34

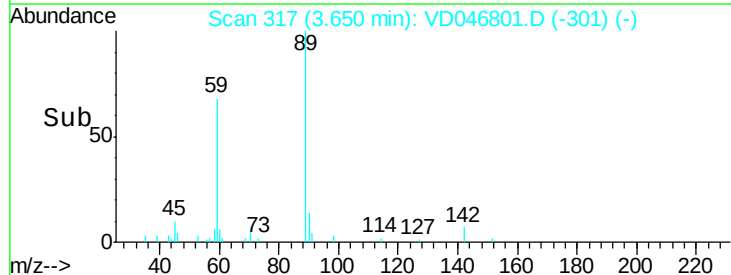
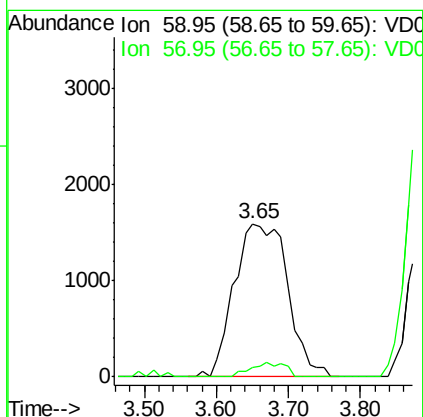
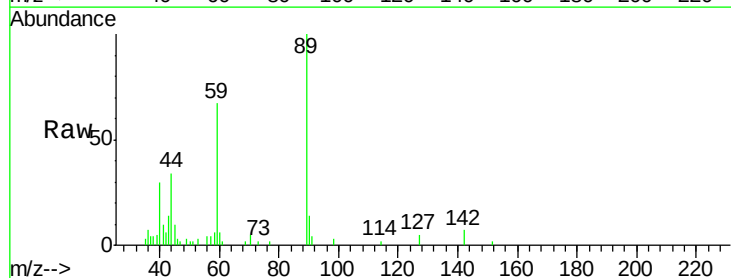
Instrument :
MSVOA_D
ClientSampleId :
VD0921SBSD01

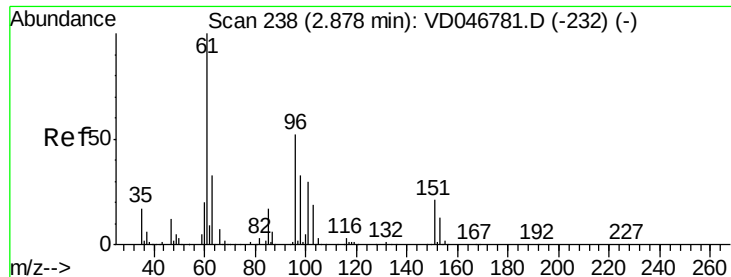
Tot Ion:142 Resp: 43707
Ion Ratio Lower Upper
142 100
127 57.8 41.2 61.8
141 14.0 11.6 17.4



#12
Tert butyl alcohol
Concen: 81.44 ug/l
RT: 3.65 min Scan# 317
Delta R.T. -0.05 min
Lab File: VD046801.D
Acq: 21 Sep 2015 12:34

Tgt Ion: 59 Resp: 8223
Ion Ratio Lower Upper
59 100
57 6.5 7.8 11.6#

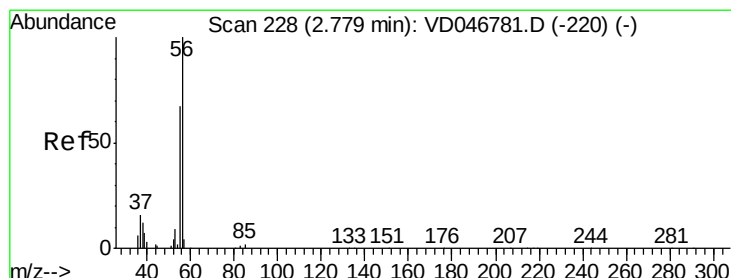
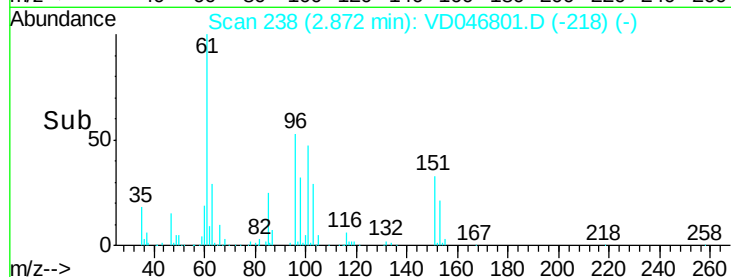
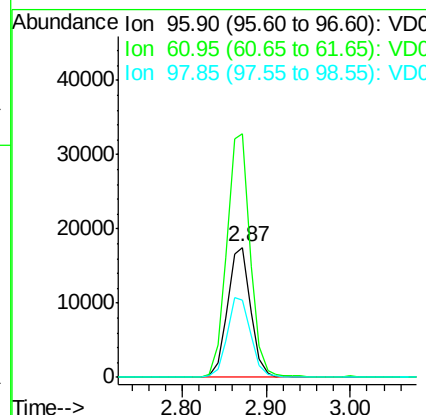
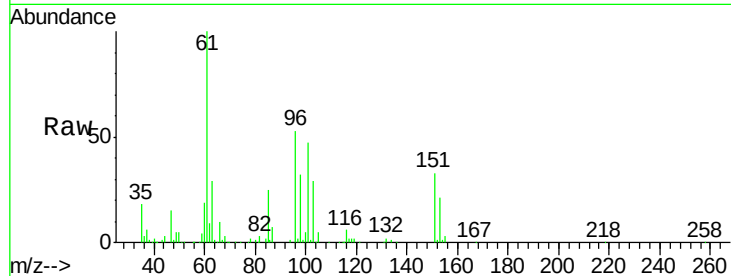




#13
 1,1-Dichloroethene
 Concen: 21.13 ug/l
 RT: 2.87 min Scan# 238
 Delta R.T. -0.01 min
 Lab File: VD046801.D
 Acq: 21 Sep 2015 12:34

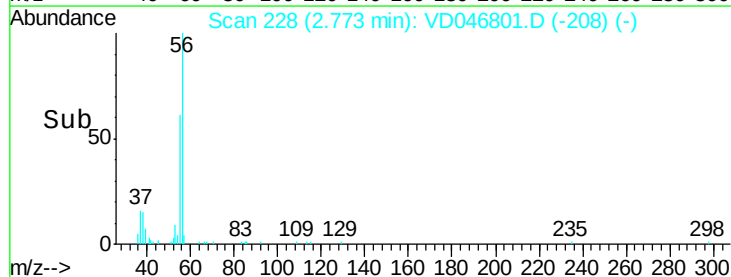
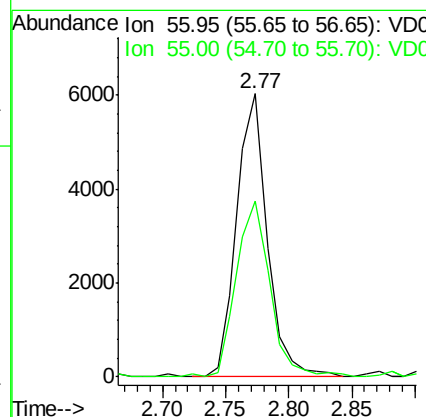
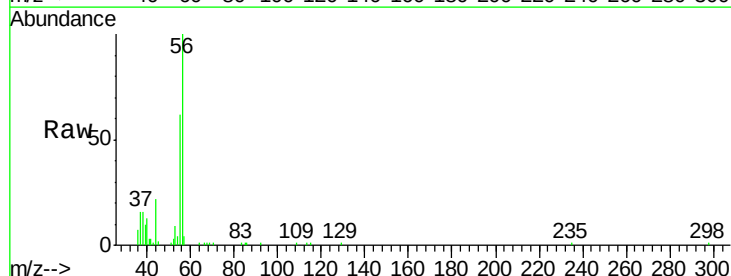
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0921SBSD01

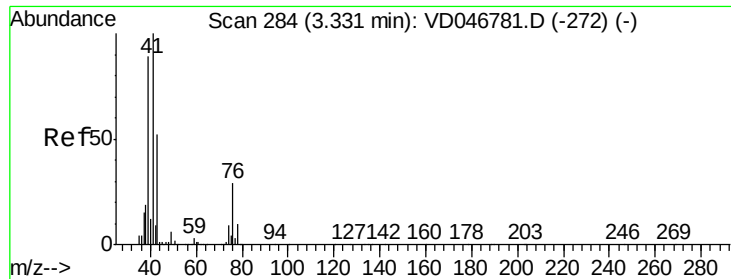
Tot Ion: 96 Resp: 33557
 Ion Ratio Lower Upper
 96 100
 61 187.0 152.2 228.4
 98 59.2 51.2 76.8



#14
 Acrolein
 Concen: 96.28 ug/l
 RT: 2.77 min Scan# 228
 Delta R.T. -0.01 min
 Lab File: VD046801.D
 Acq: 21 Sep 2015 12:34

Tgt Ion: 56 Resp: 10136
 Ion Ratio Lower Upper
 56 100
 55 62.3 62.6 93.8#

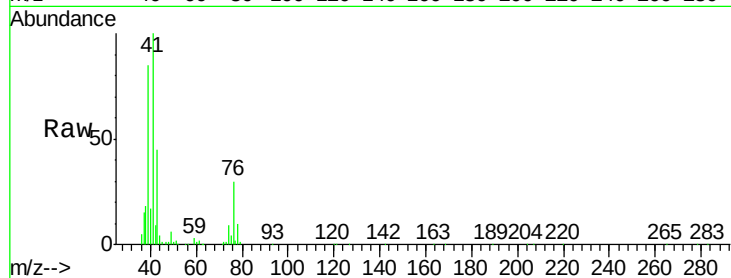




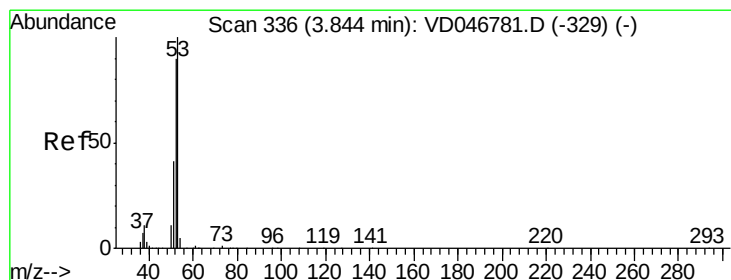
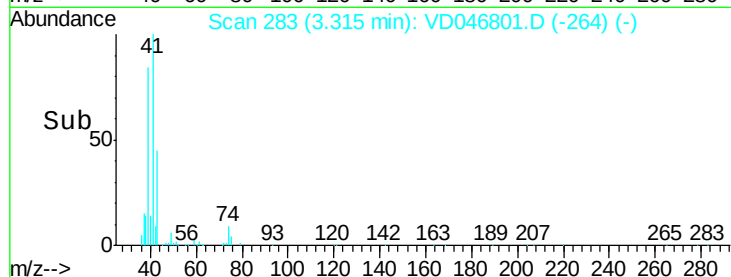
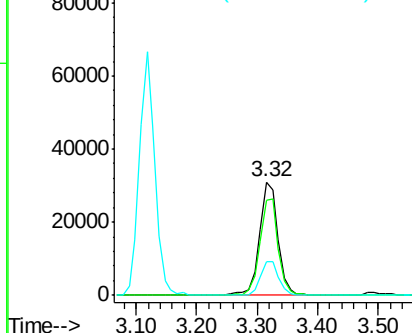
#15
Allvl chloride
Concen: 20.31 ug/l
RT: 3.32 min Scan# 283
Delta R.T. -0.02 min
Lab File: VD046801.D
Acq: 21 Sep 2015 12:34

Instrument :
MSVOA_D
ClientSampleId :
VD0921SBSD01

Tot Ion: 41 Resp: 65488
Ion Ratio Lower Upper
41 100
39 84.7 58.8 88.2
76 29.7 22.7 34.1

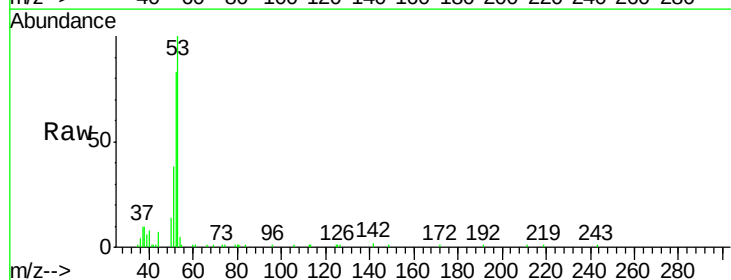


Abundance Ion 41.05 (40.75 to 41.75): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 75.95 (75.65 to 76.65): VDC

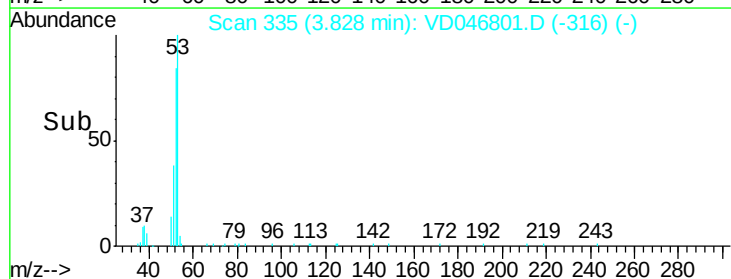
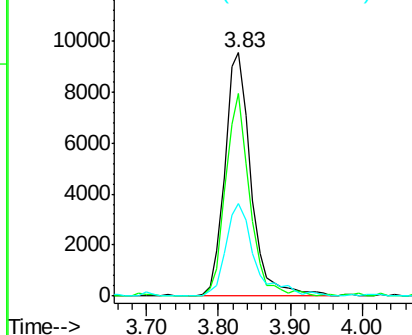


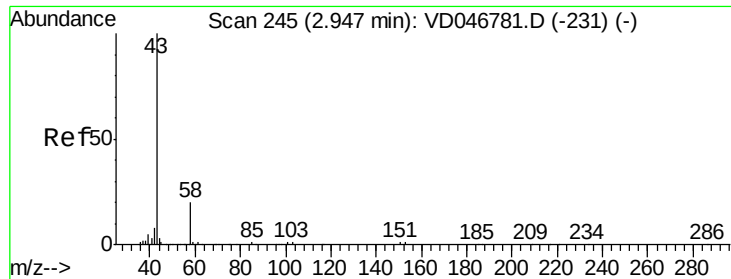
#16
Acrylonitrile
Concen: 99.94 ug/l
RT: 3.83 min Scan# 335
Delta R.T. -0.02 min
Lab File: VD046801.D
Acq: 21 Sep 2015 12:34

Tgt Ion: 53 Resp: 24046
Ion Ratio Lower Upper
53 100
52 83.3 66.8 100.2
51 38.1 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: 97.13 ug/l

RT: 2.93 min Scan# 244

Delta R.T. -0.02 min

Lab File: VD046801.D

Acq: 21 Sep 2015 12:34

Instrument :

MSVOA_D

ClientSampleId :

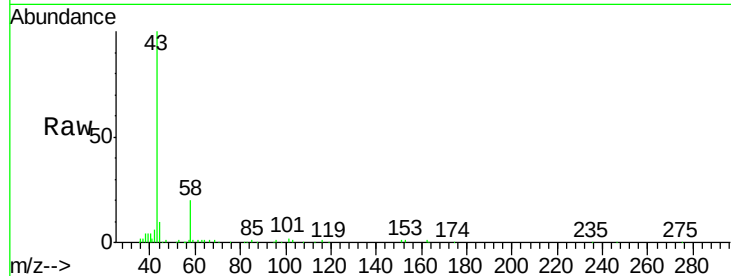
VD0921SBSD01

Tot Ion: 43 Resp: 33817

Ion Ratio Lower Upper

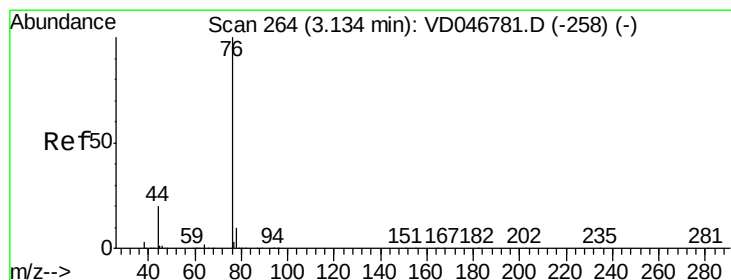
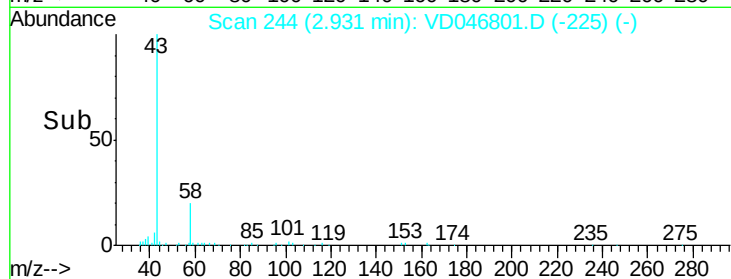
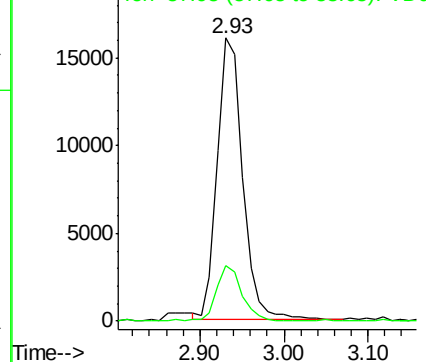
43 100

58 19.8 16.6 24.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#18

Carbon Disulfide

Concen: 20.01 ug/l

RT: 3.12 min Scan# 263

Delta R.T. -0.02 min

Lab File: VD046801.D

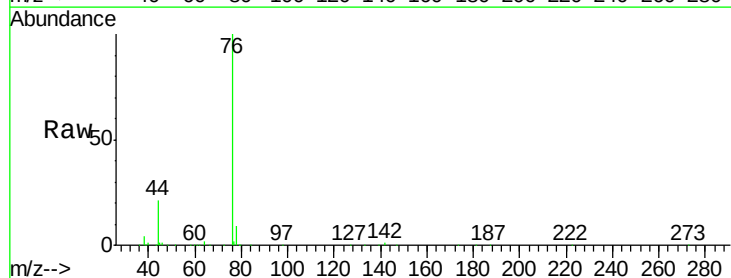
Acq: 21 Sep 2015 12:34

Tgt Ion: 76 Resp: 119051

Ion Ratio Lower Upper

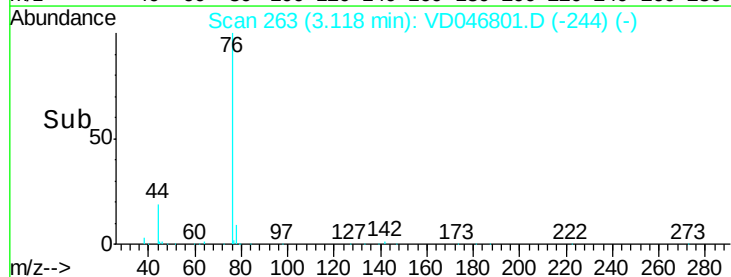
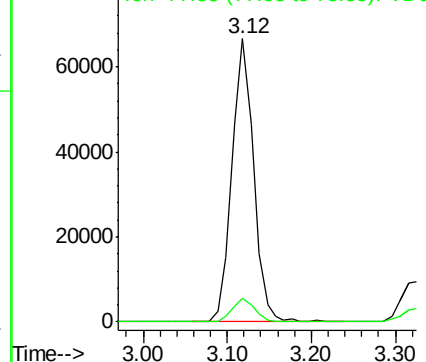
76 100

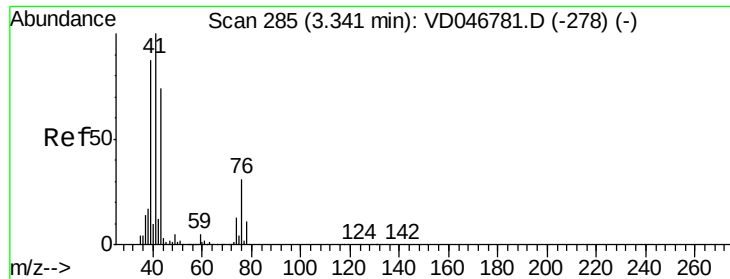
78 8.5 8.0 12.0



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

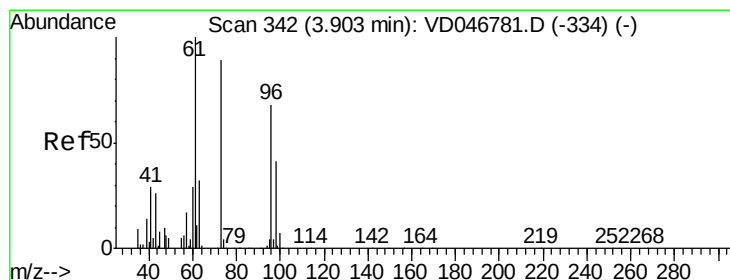
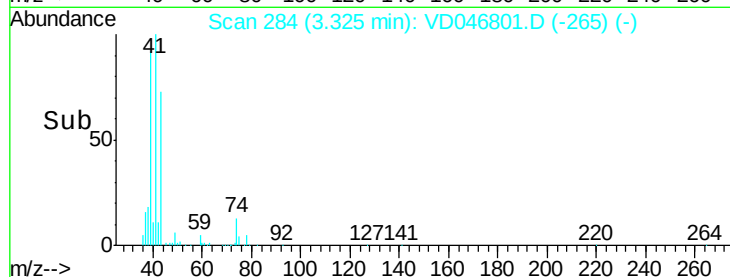
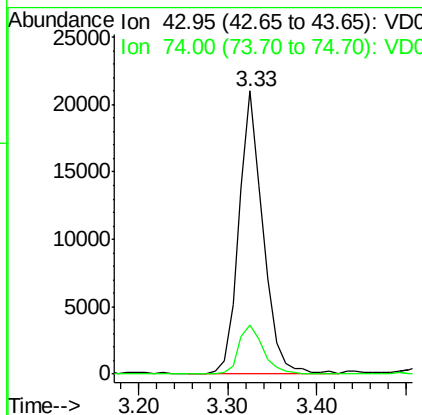
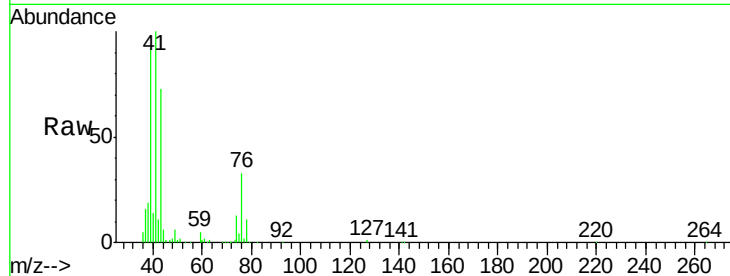




#19
Methvl Acetate
Concen: 19.57 ug/l
RT: 3.33 min Scan# 284
Delta R.T. -0.02 min
Lab File: VD046801.D
Acq: 21 Sep 2015 12:34

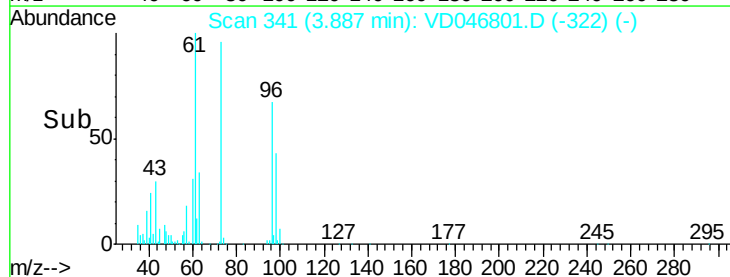
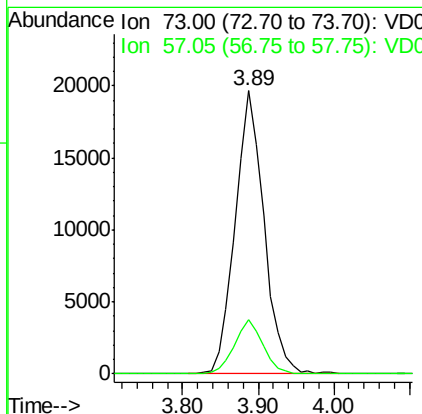
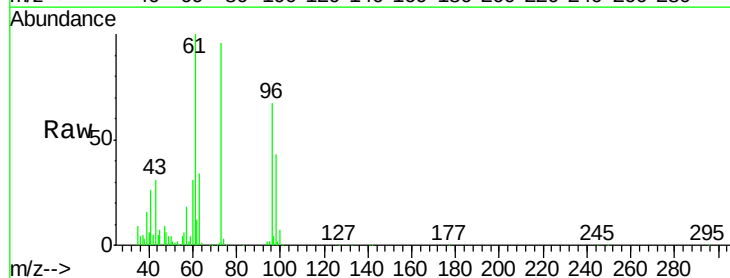
Instrument :
MSVOA_D
ClientSampleId :
VD0921SBSD01

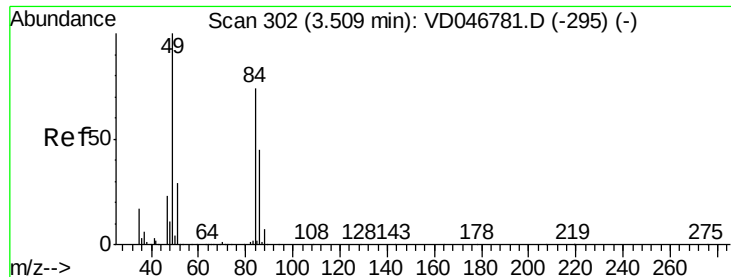
Tot Ion: 43 Resp: 39476
Ion Ratio Lower Upper
43 100
74 17.2 13.7 20.5



#20
Methyl tert-butyl Ether
Concen: 20.87 ug/l
RT: 3.89 min Scan# 341
Delta R.T. -0.02 min
Lab File: VD046801.D
Acq: 21 Sep 2015 12:34

Tgt Ion: 73 Resp: 51923
Ion Ratio Lower Upper
73 100
57 19.0 18.1 27.1

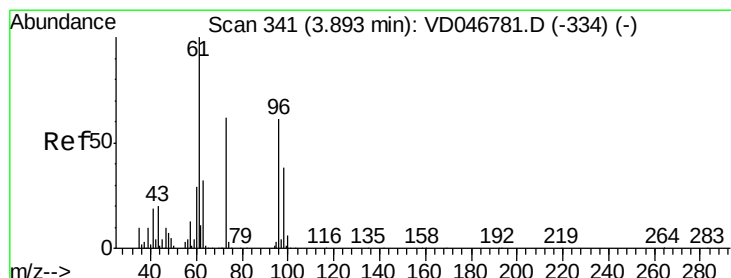
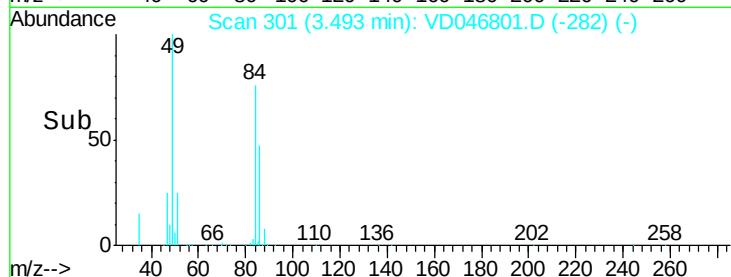
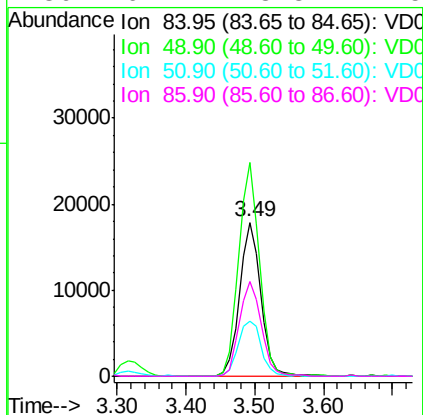
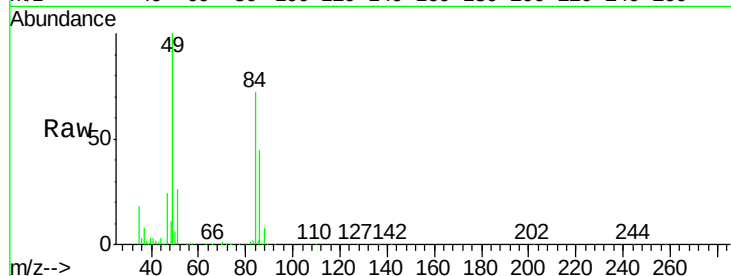




#21
Methylene Chloride
Concen: 20.26 ug/l
RT: 3.49 min Scan# 301
Delta R.T. -0.02 min
Lab File: VD046801.D
Acq: 21 Sep 2015 12:34

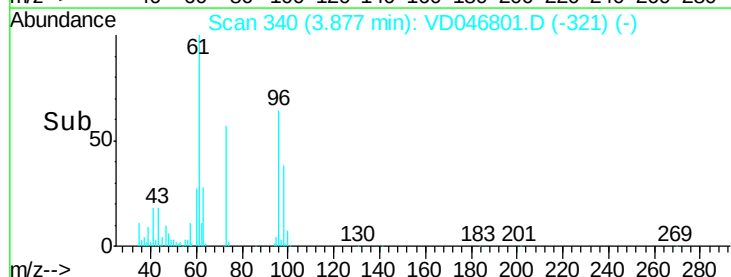
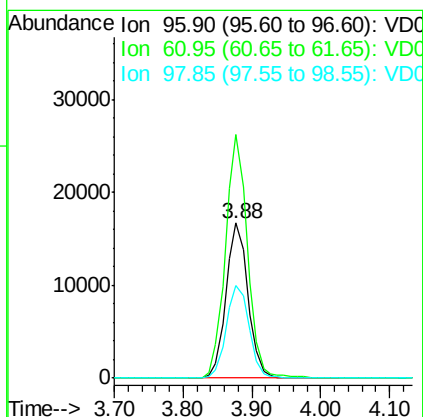
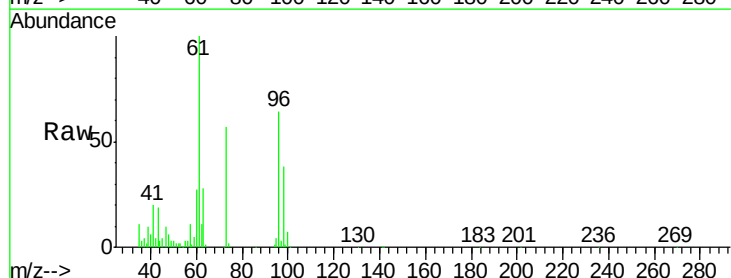
Instrument :
MSVOA_D
ClientSampleId :
VD0921SBSD01

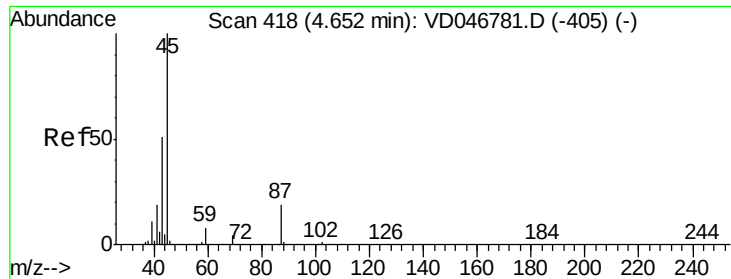
Tot Ion: 84 Resp: 38298
Ion Ratio Lower Upper
84 100
49 138.6 122.1 183.1
51 35.5 33.6 50.4
86 61.7 48.3 72.5



#22
trans-1,2-Dichloroethene
Concen: 20.61 ug/l
RT: 3.88 min Scan# 340
Delta R.T. -0.02 min
Lab File: VD046801.D
Acq: 21 Sep 2015 12:34

Tgt Ion: 96 Resp: 36897
Ion Ratio Lower Upper
96 100
61 157.1 125.8 188.6
98 59.7 54.5 81.7





#23

Diisopropyl ether

Concen: 20.43 ug/l

RT: 4.64 min Scan# 417

Delta R.T. -0.02 min

Lab File: VD046801.D

Acq: 21 Sep 2015 12:34

Instrument :

MSVOA_D

ClientSampleId :

VD0921SBSD01

Tot Ion: 45 Resp: 109354

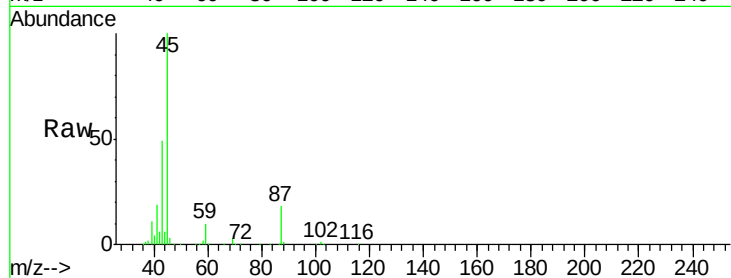
Ion Ratio Lower Upper

45 100

43 49.3 35.9 53.9

87 18.0 13.0 19.6

59 9.8 7.0 10.6

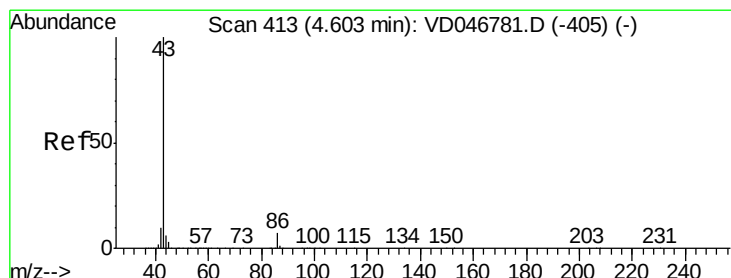
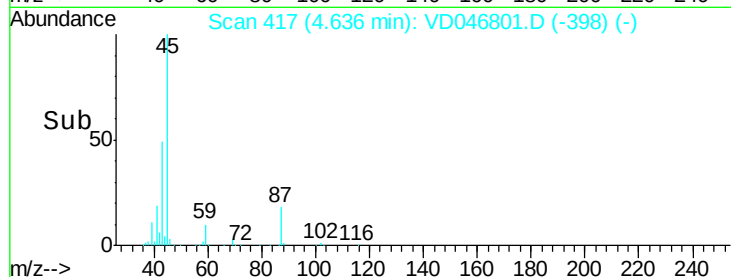
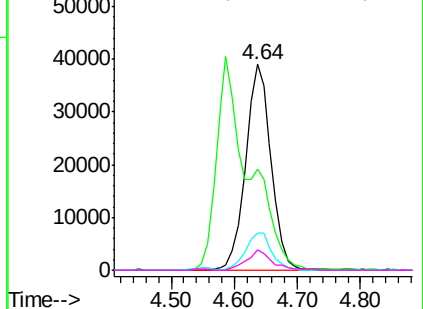


Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 125.03 ug/l

RT: 4.59 min Scan# 412

Delta R.T. -0.02 min

Lab File: VD046801.D

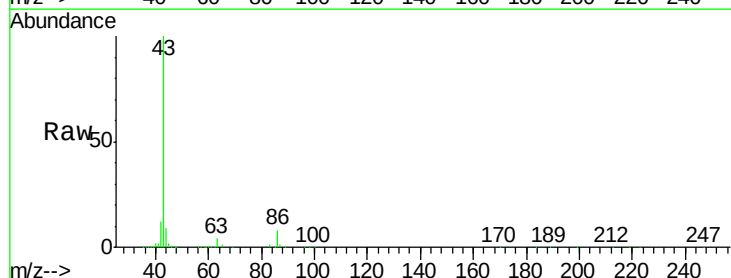
Acq: 21 Sep 2015 12:34

Tgt Ion: 43 Resp: 146859

Ion Ratio Lower Upper

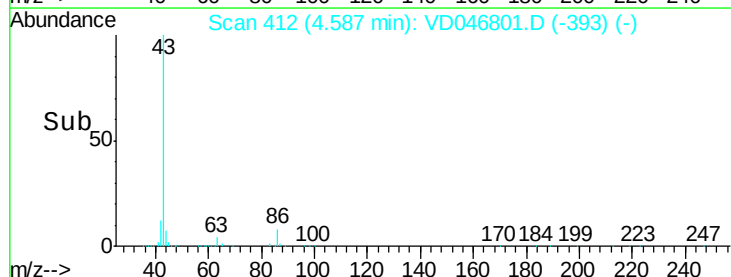
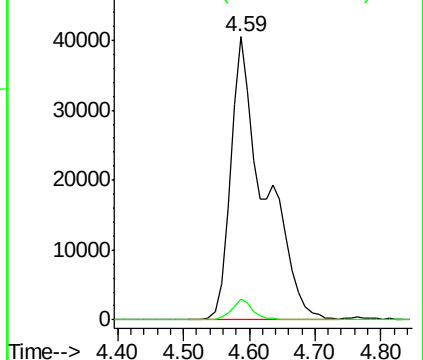
43 100

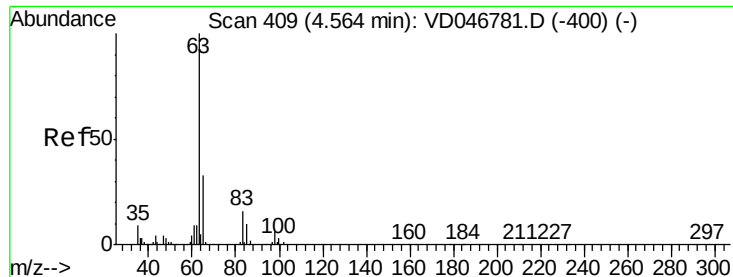
86 7.6 4.9 7.3#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC





#25

1,1-Dichloroethane

Concen: 20.57 ug/l

RT: 4.55 min Scan# 408

Delta R.T. -0.02 min

Lab File: VD046801.D

Acq: 21 Sep 2015 12:34

Instrument :

MSVOA_D

ClientSampleId :

VD0921SBSD01

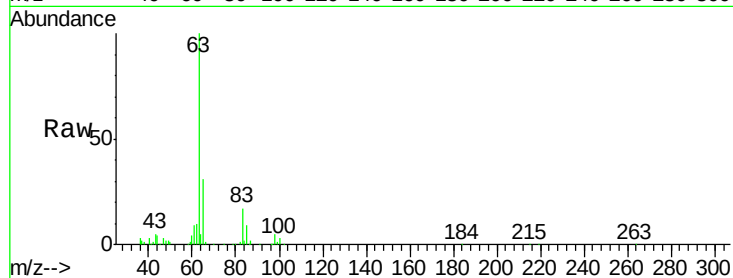
Tot Ion: 63 Resp: 67828

Ion Ratio Lower Upper

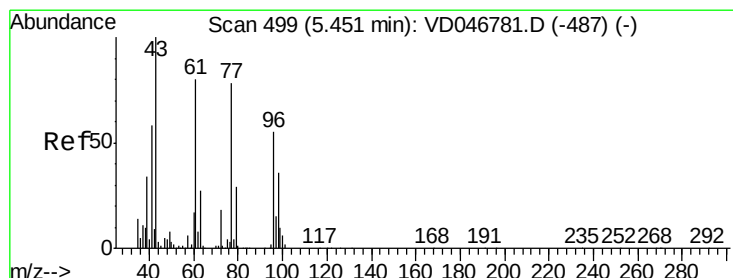
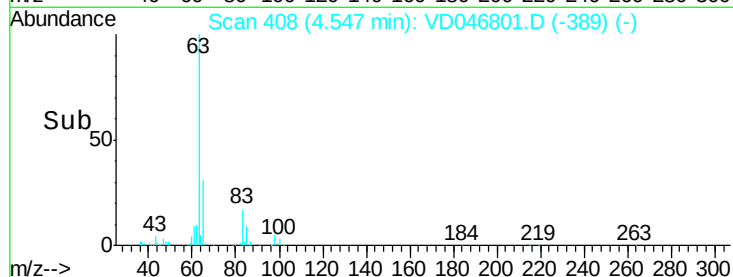
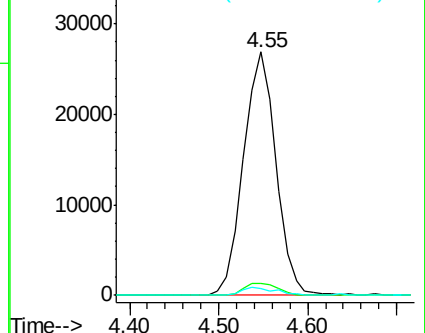
63 100

98 4.7 2.5 7.5

100 2.8 1.5 4.5



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



#26

2-Butanone

Concen: 101.54 ug/l

RT: 5.44 min Scan# 499

Delta R.T. -0.01 min

Lab File: VD046801.D

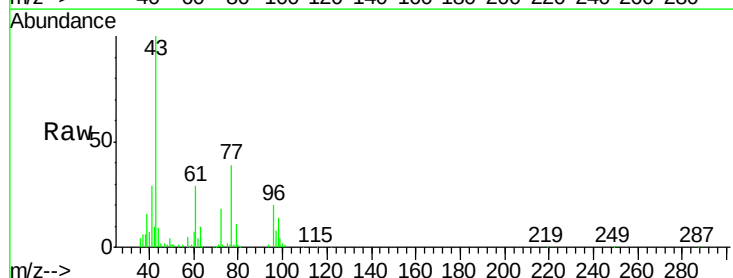
Acq: 21 Sep 2015 12:34

Tgt Ion: 43 Resp: 39736

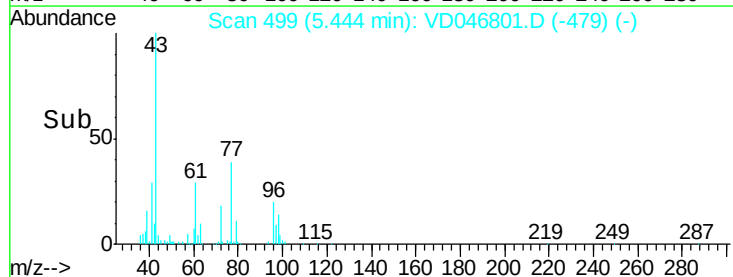
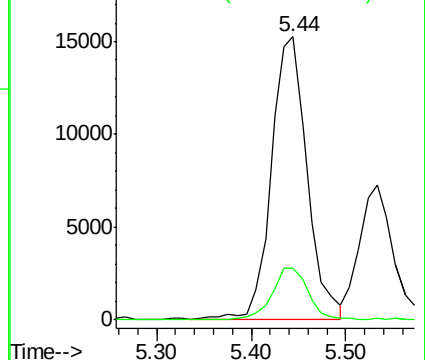
Ion Ratio Lower Upper

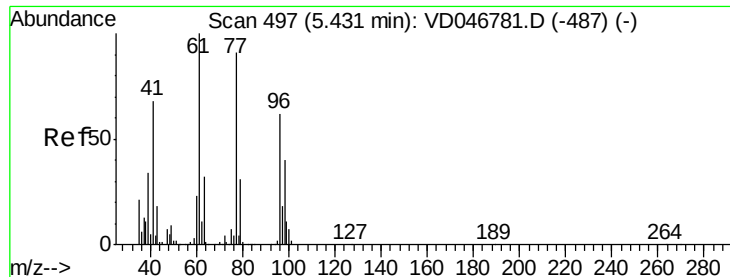
43 100

72 18.1 13.4 20.0



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

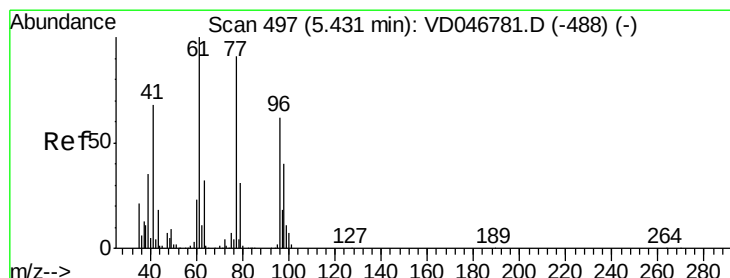
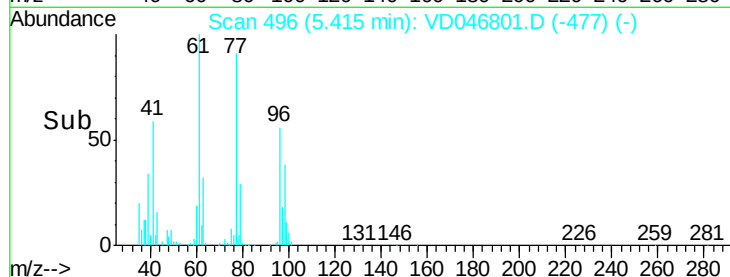
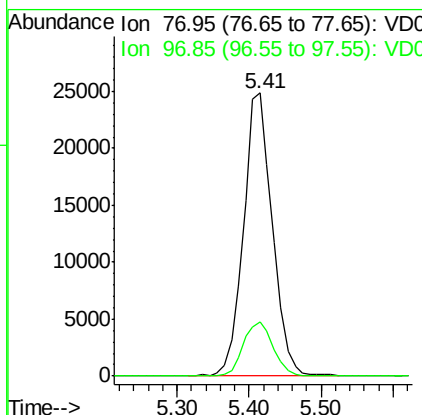
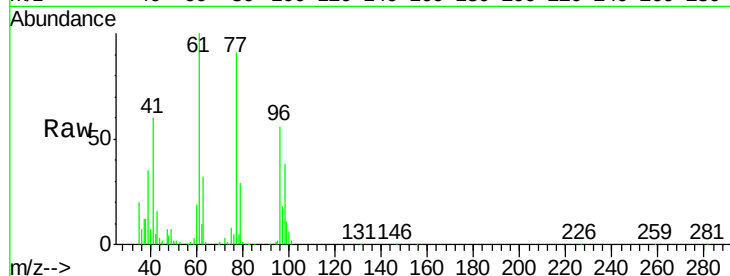




#27
 2,2-Dichloropropane
 Concen: 20.50 ug/l
 RT: 5.41 min Scan# 496
 Delta R.T. -0.02 min
 Lab File: VD046801.D
 Acq: 21 Sep 2015 12:34

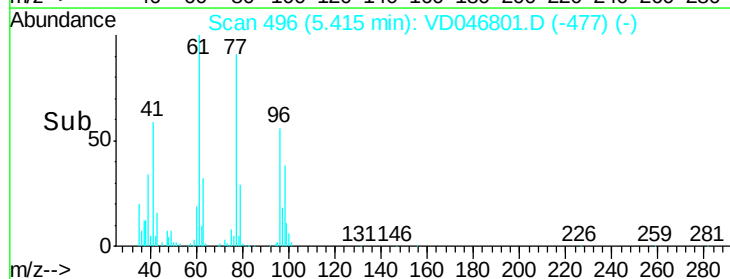
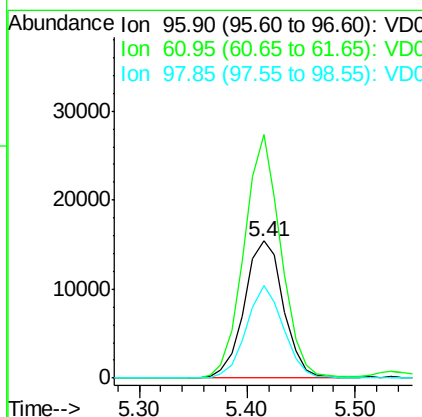
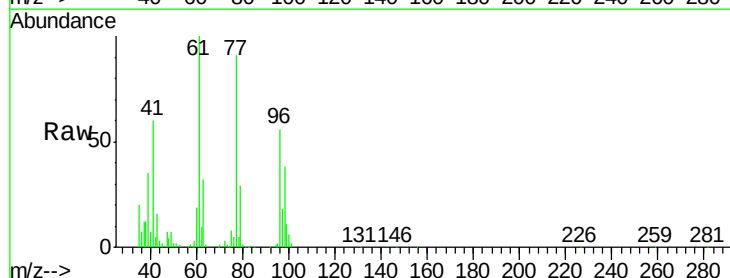
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0921SBS01

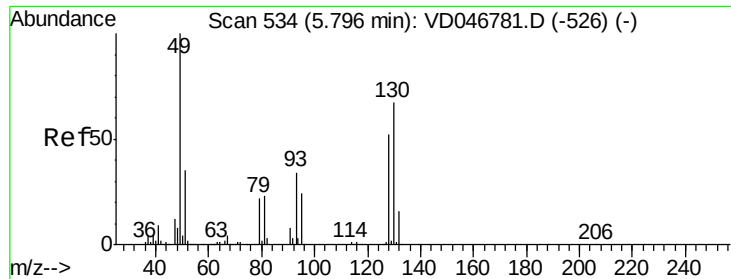
Tot Ion: 77 Resp: 69427
 Ion Ratio Lower Upper
 77 100
 97 19.3 10.4 31.1



#28
 cis-1,2-Dichloroethene
 Concen: 20.67 ug/l
 RT: 5.41 min Scan# 496
 Delta R.T. -0.02 min
 Lab File: VD046801.D
 Acq: 21 Sep 2015 12:34

Tgt Ion: 96 Resp: 38530
 Ion Ratio Lower Upper
 96 100
 61 177.6 0.0 348.0
 98 67.4 0.0 128.8





#29

Bromochloromethane

Concen: 20.83 ug/l

RT: 5.77 min Scan# 532

Delta R.T. -0.03 min

Lab File: VD046801.D

Acq: 21 Sep 2015 12:34

Instrument :

MSVOA_D

ClientSampleId :

VD0921SBSD01

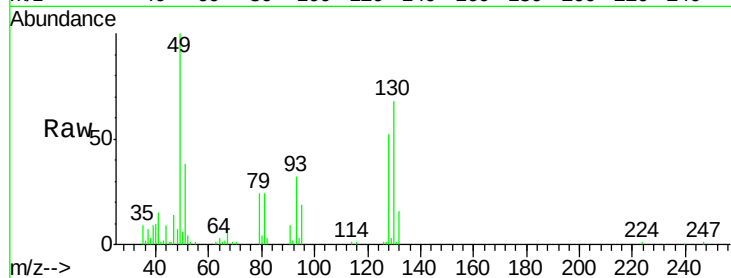
Tot Ion: 49 Resp: 27054

Ion Ratio Lower Upper

49 100

129 3.4 0.0 2.8#

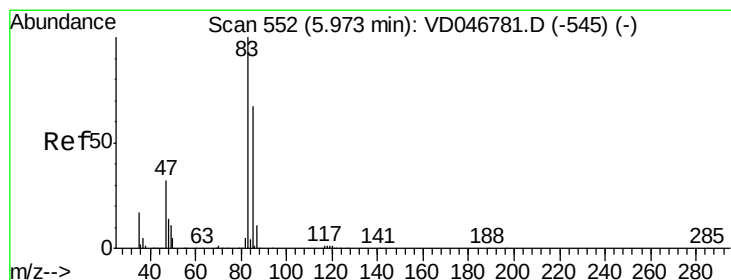
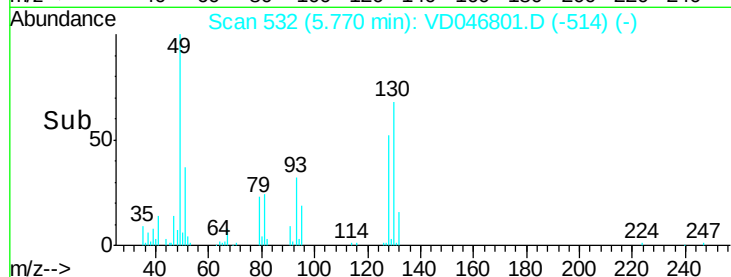
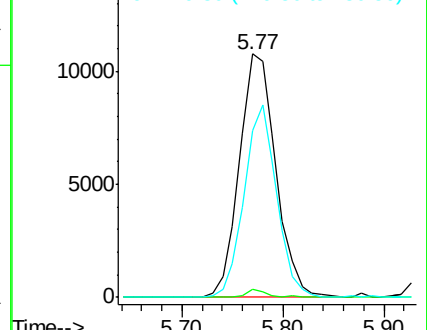
130 68.3 50.2 75.4



Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): VDC

Ion 129.80 (129.50 to 130.50): VDC



#30

Chloroform

Concen: 20.70 ug/l

RT: 5.96 min Scan# 551

Delta R.T. -0.02 min

Lab File: VD046801.D

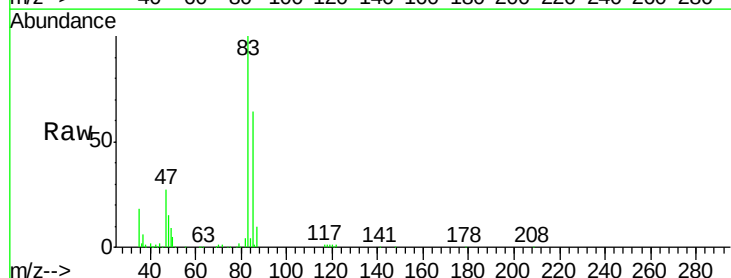
Acq: 21 Sep 2015 12:34

Tgt Ion: 83 Resp: 82795

Ion Ratio Lower Upper

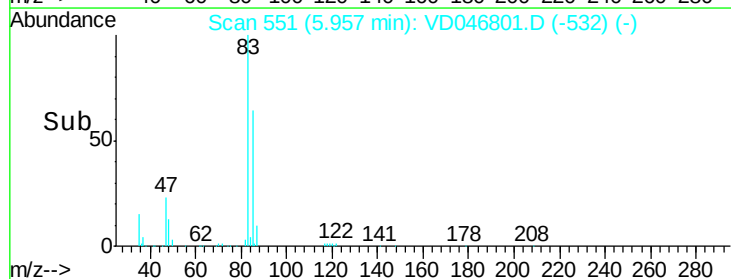
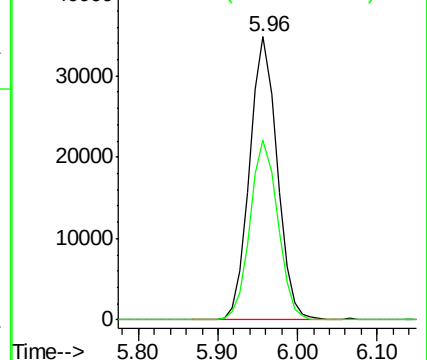
83 100

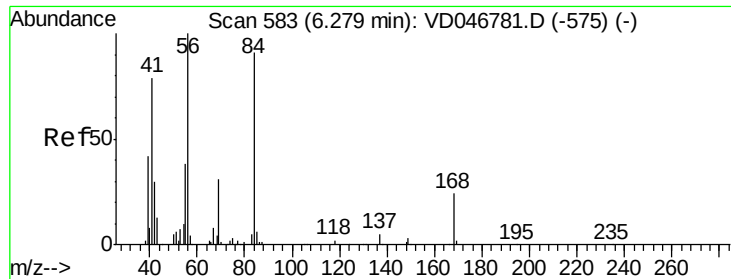
85 63.5 52.5 78.7



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

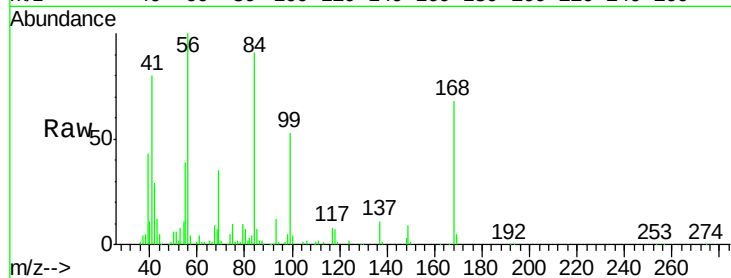




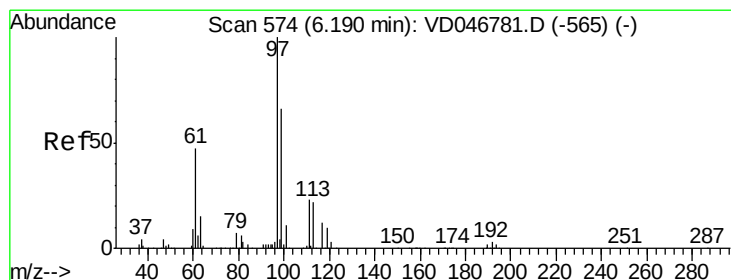
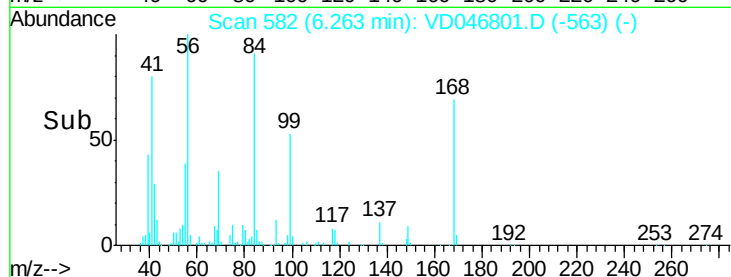
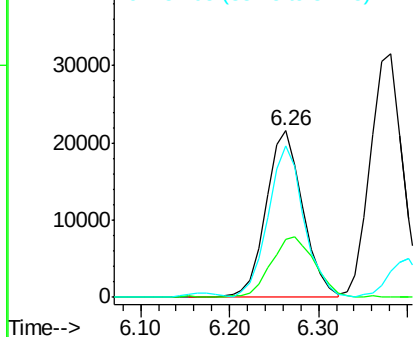
#31
Cyclohexane
Concen: 19.98 ug/l
RT: 6.26 min Scan# 582
Delta R.T. -0.02 min
Lab File: VD046801.D
Acq: 21 Sep 2015 12:34

Instrument :
MSVOA_D
ClientSampleId :
VD0921SBS01

Tot Ion: 56 Resp: 61805
Ion Ratio Lower Upper
56 100
69 34.9 23.4 35.0
84 91.1 63.8 95.8

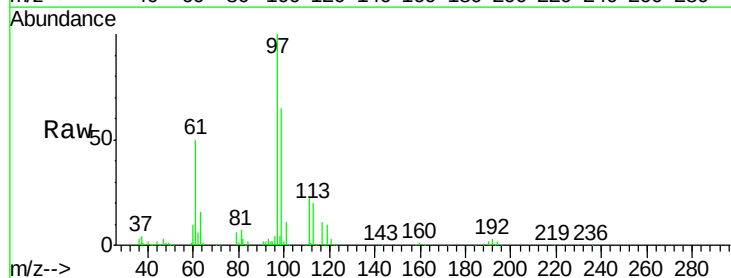


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

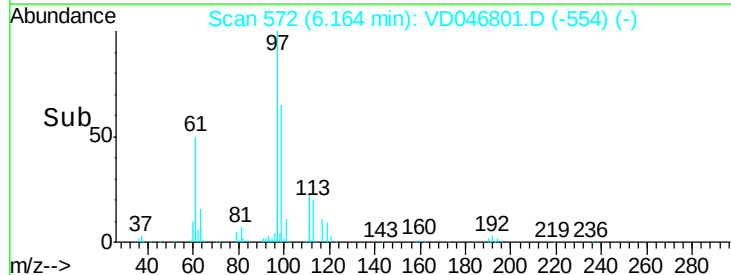
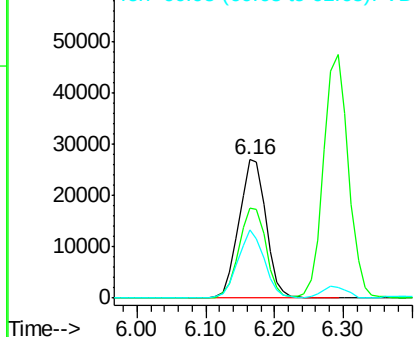


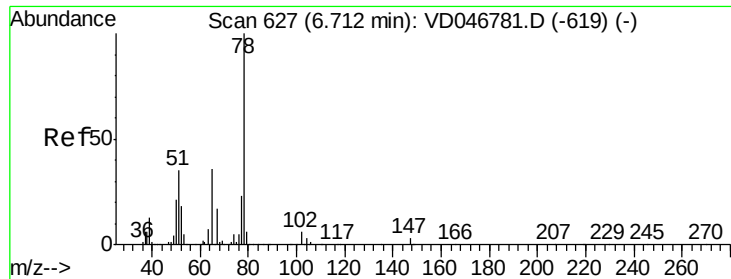
#32
1,1,1-Trichloroethane
Concen: 20.80 ug/l
RT: 6.16 min Scan# 572
Delta R.T. -0.03 min
Lab File: VD046801.D
Acq: 21 Sep 2015 12:34

Tgt Ion: 97 Resp: 74075
Ion Ratio Lower Upper
97 100
99 64.9 50.2 75.4
61 49.6 38.6 57.8



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

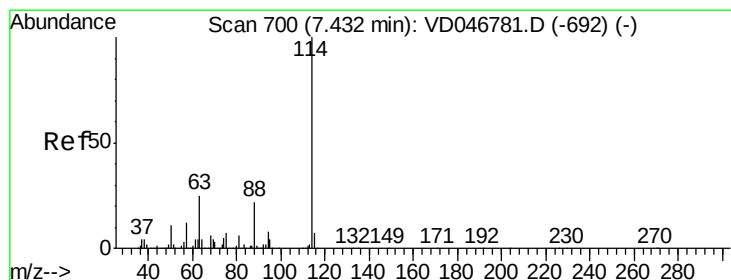
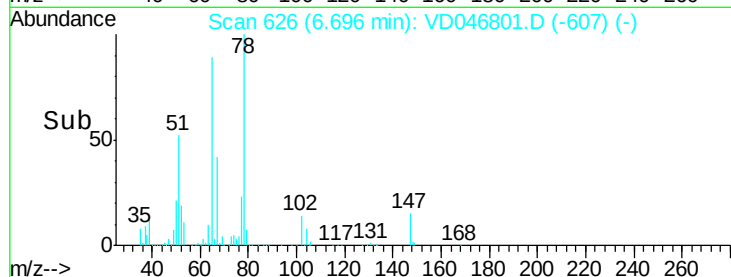
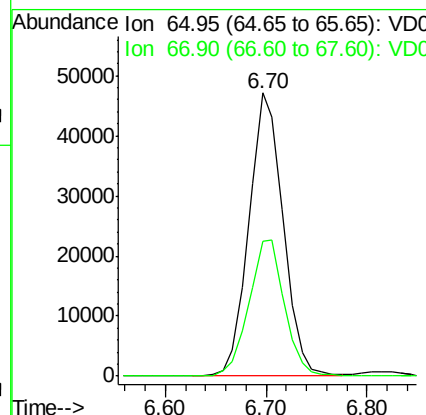
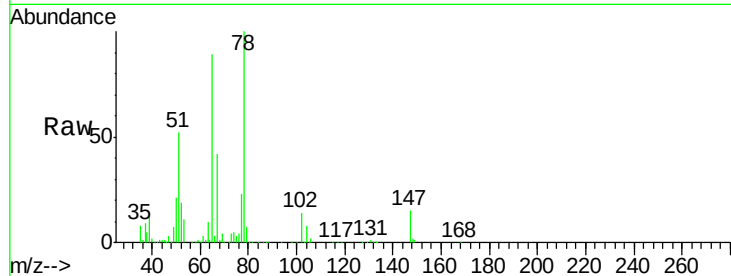




#33
 1,2-Dichloroethane-d4
 Concen: 20.80 ug/l
 RT: 6.70 min Scan# 626
 Delta R.T. -0.02 min
 Lab File: VD046801.D
 Acq: 21 Sep 2015 12:34

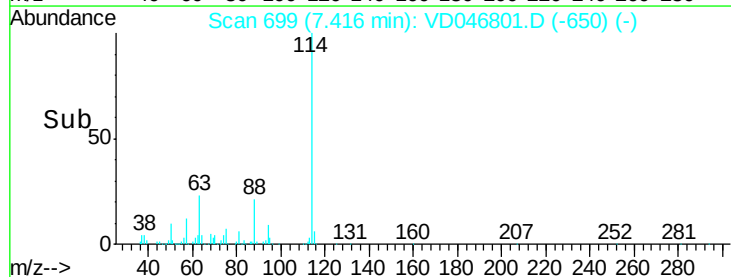
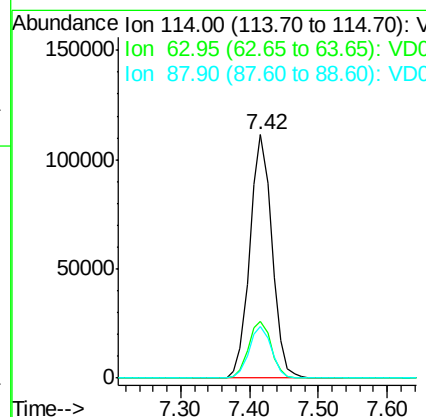
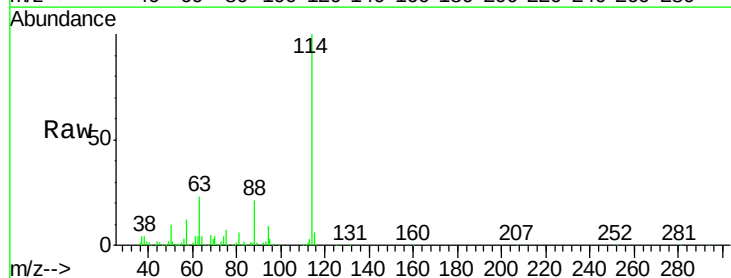
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0921SBSD01

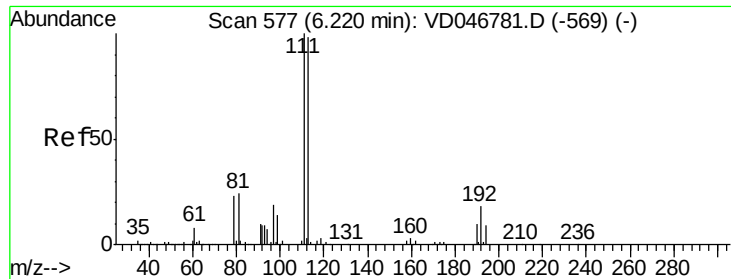
Tot Ion: 65 Resp: 111572
 Ion Ratio Lower Upper
 65 100
 67 47.5 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 7.42 min Scan# 699
 Delta R.T. -0.02 min
 Lab File: VD046801.D
 Acq: 21 Sep 2015 12:34

Tgt Ion: 114 Resp: 249022
 Ion Ratio Lower Upper
 114 100
 63 23.4 0.0 49.8
 88 21.4 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: VD046801.D

Acq: 21 Sep 2015 12:34

Instrument :

MSVOA_D

ClientSampleId :

VD0921SBSD01

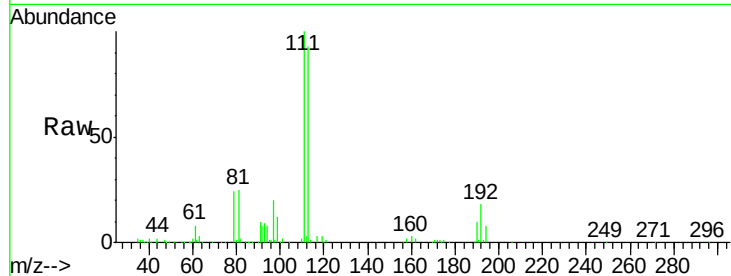
Tot Ion:113 Resp: 102786

Ion Ratio Lower Upper

113 100

111 107.6 79.4 119.0

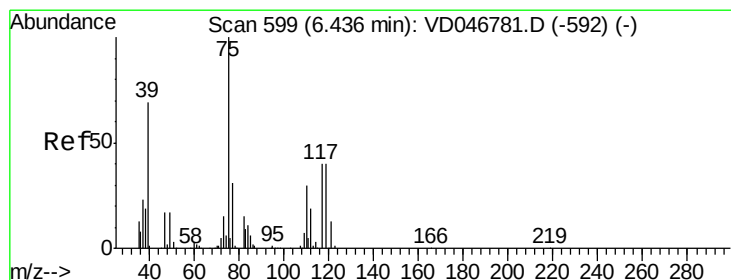
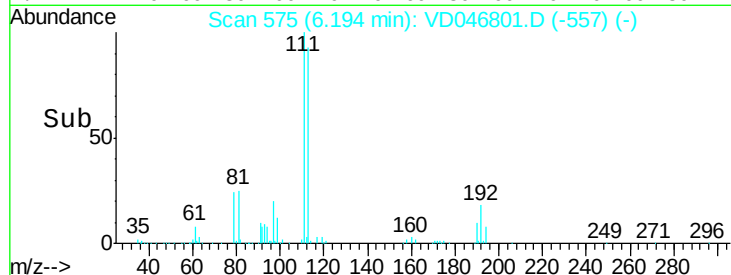
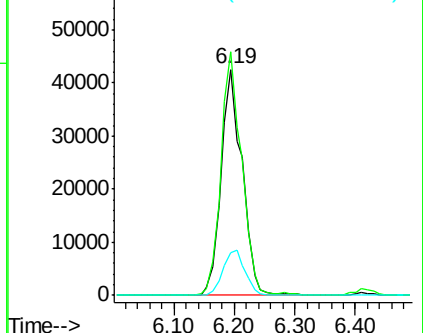
192 18.8 14.6 22.0



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 20.65 ug/l

RT: 6.41 min Scan# 597

Delta R.T. -0.03 min

Lab File: VD046801.D

Acq: 21 Sep 2015 12:34

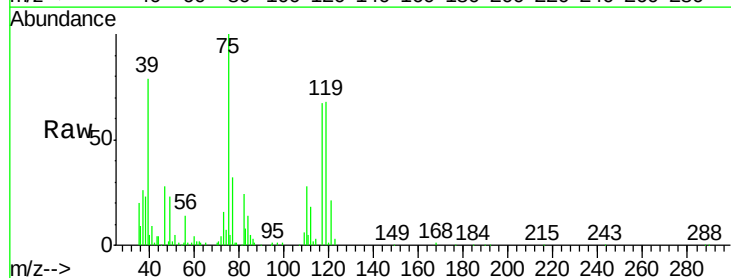
Tgt Ion: 75 Resp: 60085

Ion Ratio Lower Upper

75 100

110 27.6 13.7 41.0

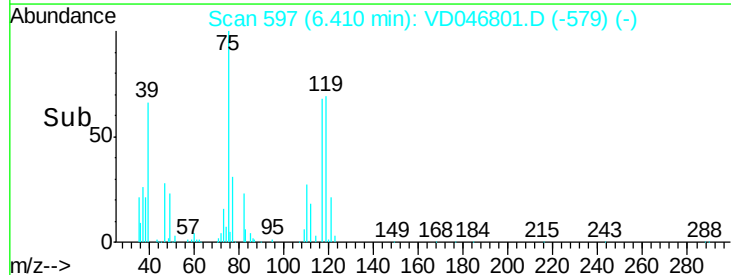
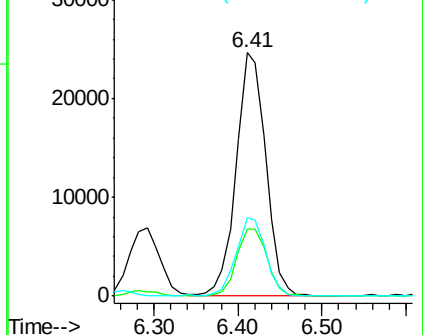
77 32.1 24.7 37.1

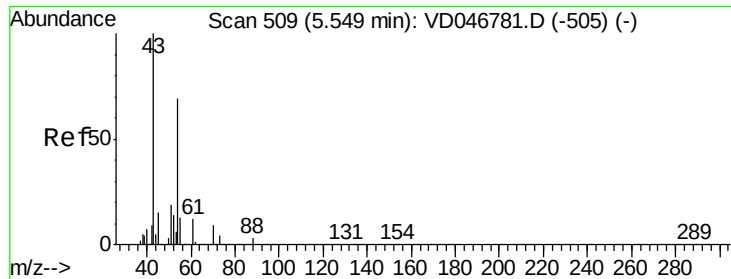


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

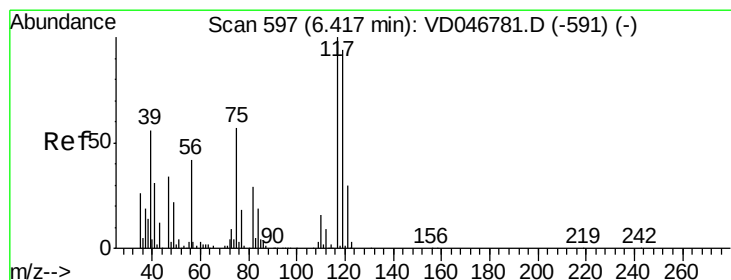
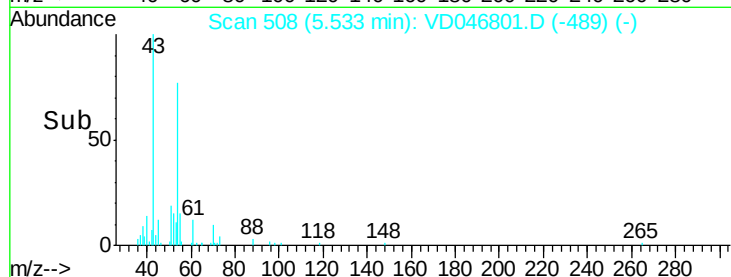
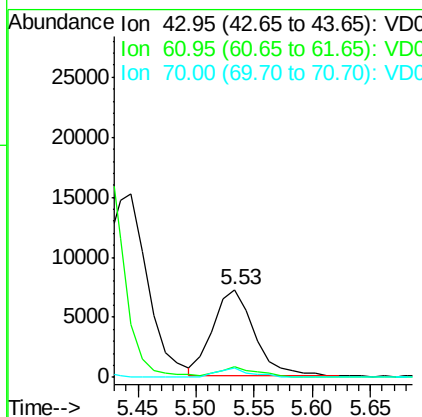
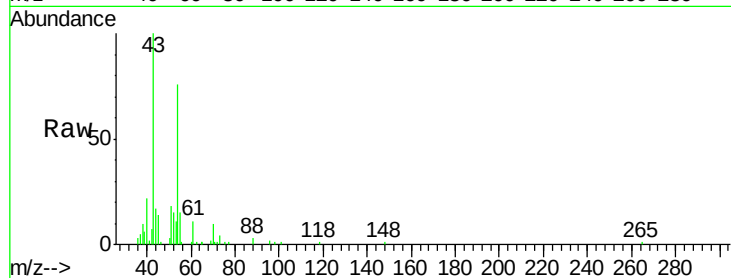




#37
Ethyl Acetate
Concen: 19.01 ug/l
RT: 5.53 min Scan# 508
Delta R.T. -0.02 min
Lab File: VD046801.D
Acq: 21 Sep 2015 12:34

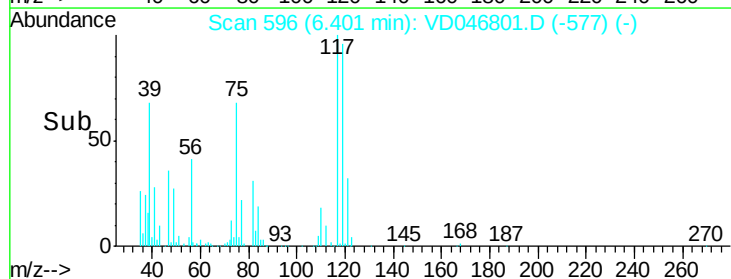
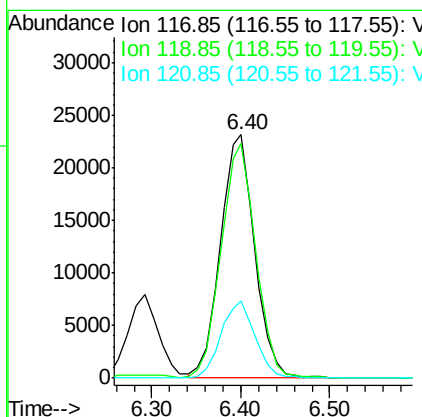
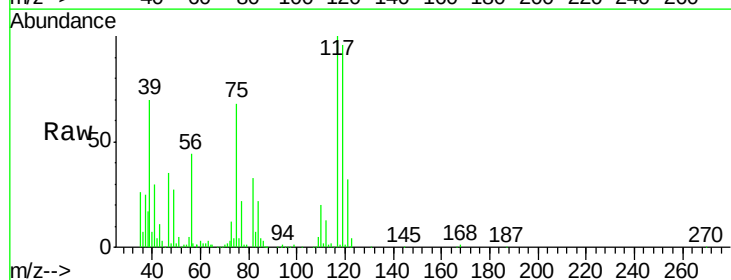
Instrument :
MSVOA_D
ClientSampleId :
VD0921SBS01

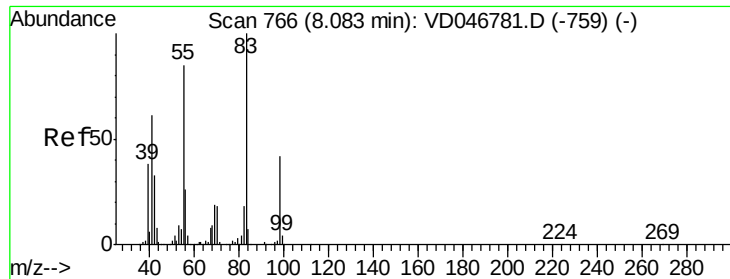
Tot Ion: 43 Resp: 17766
Ion Ratio Lower Upper
43 100
61 11.4 9.4 14.2
70 10.0 6.0 9.0#



#38
Carbon Tetrachloride
Concen: 20.63 ug/l
RT: 6.40 min Scan# 596
Delta R.T. -0.02 min
Lab File: VD046801.D
Acq: 21 Sep 2015 12:34

Tgt Ion: 117 Resp: 62396
Ion Ratio Lower Upper
117 100
119 96.2 76.2 114.4
121 31.9 24.5 36.7





#39

Methylvlcyclohexane

Concen: 21.27 ug/l

RT: 8.07 min Scan# 765

Delta R.T. -0.02 min

Lab File: VD046801.D

Acq: 21 Sep 2015 12:34

Instrument :

MSVOA_D

ClientSampleId :

VD0921SBS01

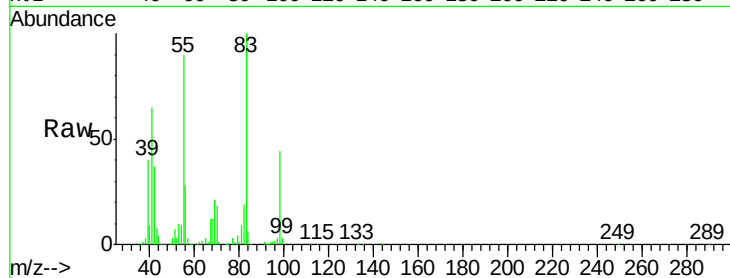
Tot Ion: 83 Resp: 62718

Ion Ratio Lower Upper

83 100

55 90.2 71.1 106.7

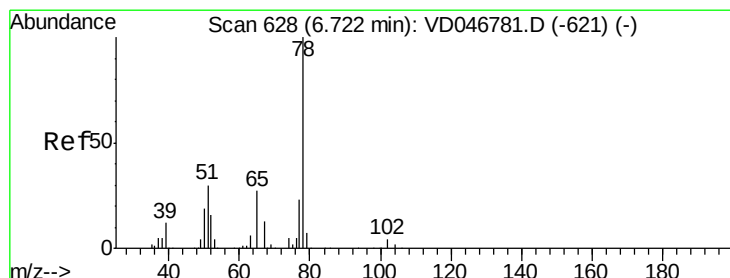
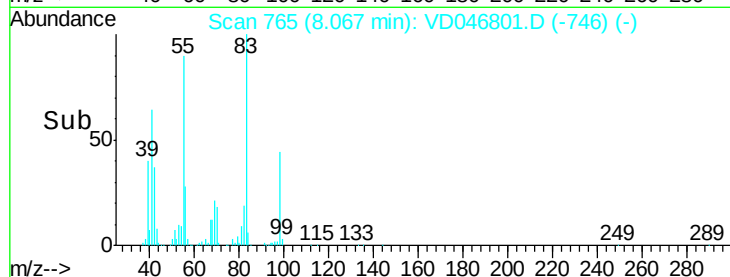
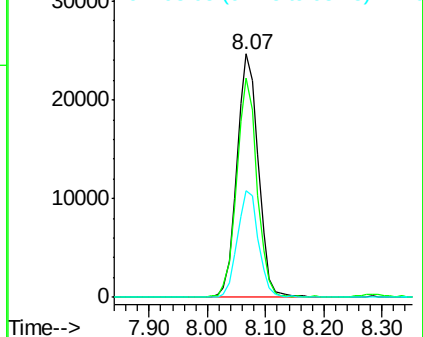
98 43.6 34.6 51.8



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 20.52 ug/l

RT: 6.71 min Scan# 627

Delta R.T. -0.02 min

Lab File: VD046801.D

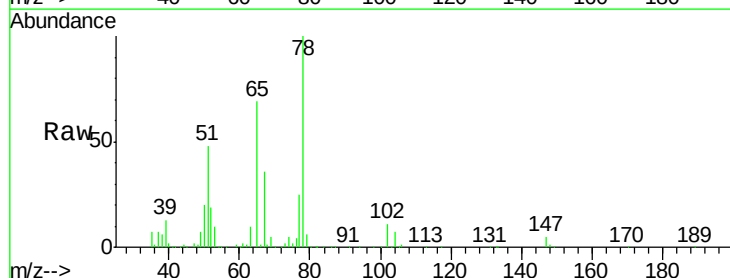
Acq: 21 Sep 2015 12:34

Tgt Ion: 78 Resp: 152445

Ion Ratio Lower Upper

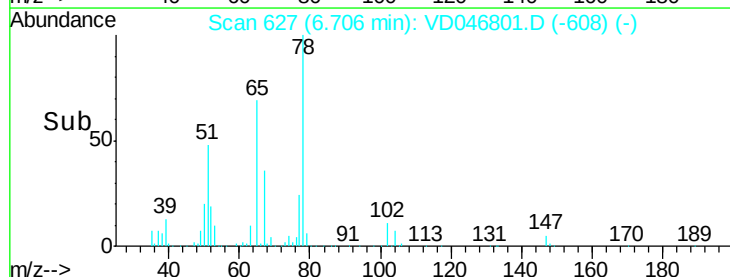
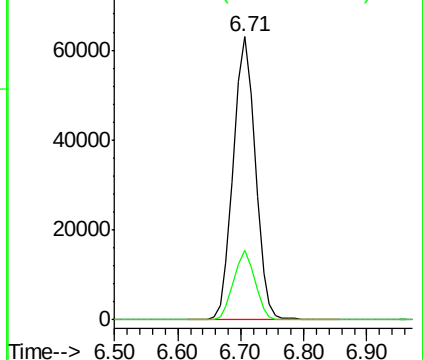
78 100

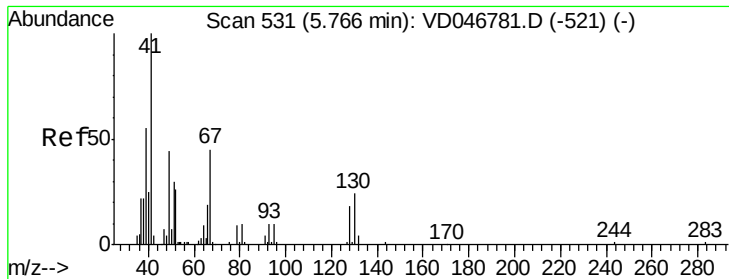
77 24.5 19.9 29.9



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 20.17 ug/l

RT: 5.75 min Scan# 530

Delta R.T. -0.02 min

Lab File: VD046801.D

Acq: 21 Sep 2015 12:34

Instrument :

MSVOA_D

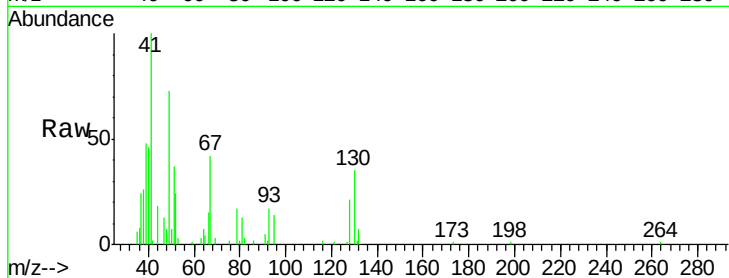
ClientSampleId :

VD0921SBSD01

Tot Ion: 41 Resp: 10578

Ion Ratio Lower Upper

41	100		
39	48.1	40.2	60.4
67	41.8	32.0	48.0
52	24.1	13.8	20.8#

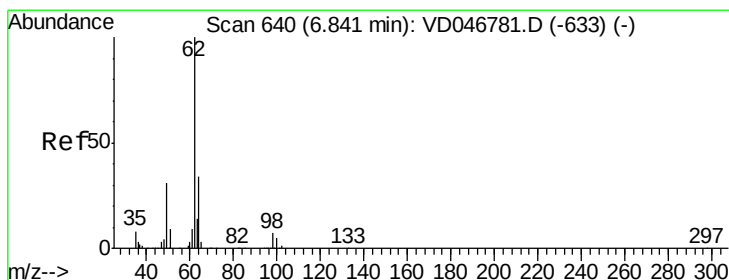
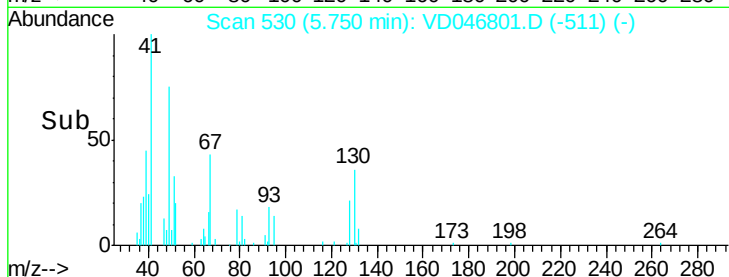
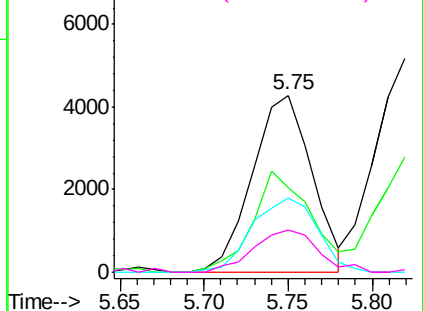


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 20.79 ug/l

RT: 6.81 min Scan# 638

Delta R.T. -0.03 min

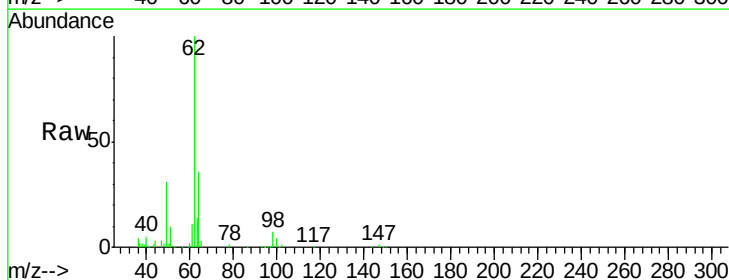
Lab File: VD046801.D

Acq: 21 Sep 2015 12:34

Tgt Ion: 62 Resp: 47968

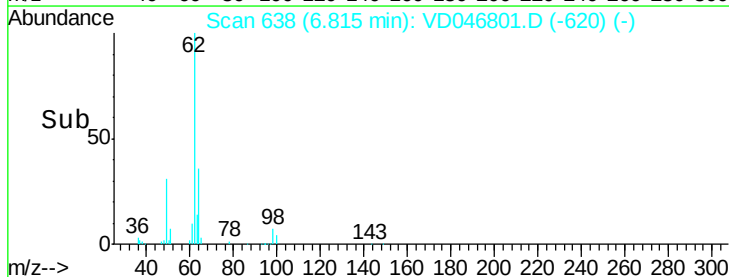
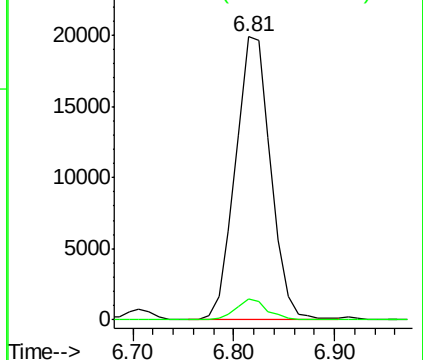
Ion Ratio Lower Upper

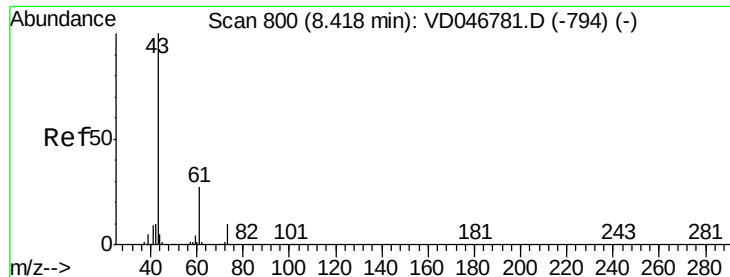
62	100		
98	7.4	0.0	16.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 19.24 ug/l

RT: 8.39 min Scan# 798

Delta R.T. -0.03 min

Lab File: VD046801.D

Acq: 21 Sep 2015 12:34

Instrument :

MSVOA_D

ClientSampleId :

VD0921SBSD01

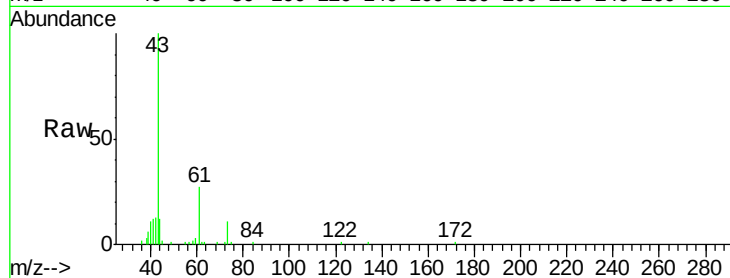
Tot Ion: 43 Resp: 23704

Ion Ratio Lower Upper

43 100

61 26.6 19.5 29.3

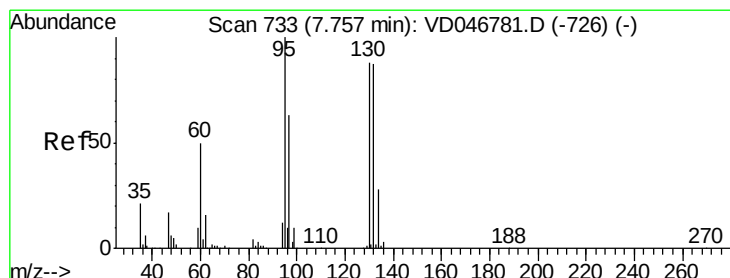
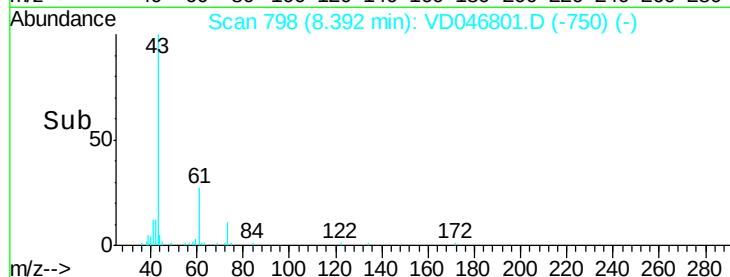
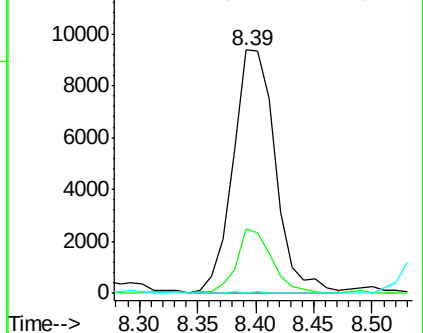
87 0.0 0.2 0.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 20.36 ug/l

RT: 7.73 min Scan# 731

Delta R.T. -0.03 min

Lab File: VD046801.D

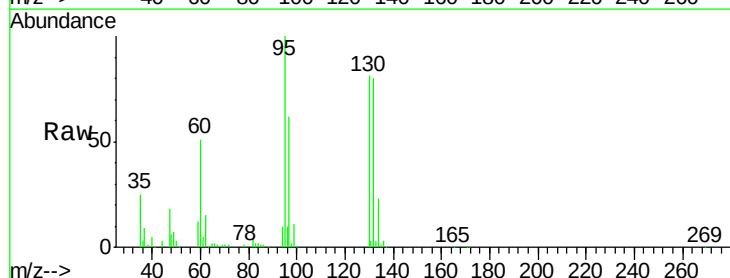
Acq: 21 Sep 2015 12:34

Tgt Ion:130 Resp: 37860

Ion Ratio Lower Upper

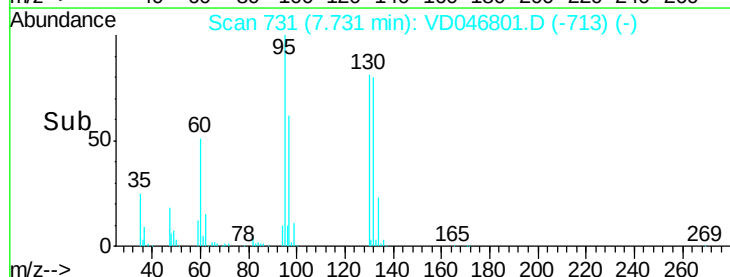
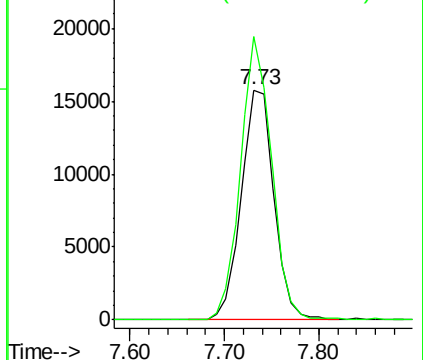
130 100

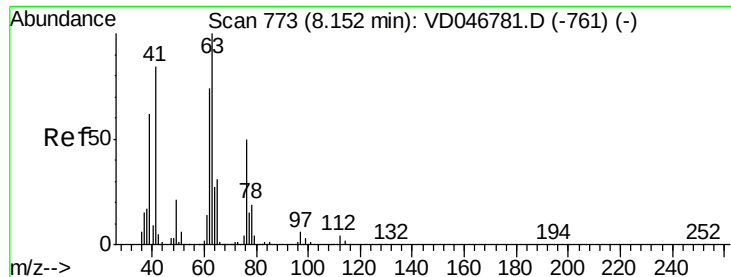
95 123.0 0.0 229.4



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 20.50 ug/l

RT: 8.13 min Scan# 771

Delta R.T. -0.03 min

Lab File: VD046801.D

Acq: 21 Sep 2015 12:34

Instrument :

MSVOA_D

ClientSampleId :

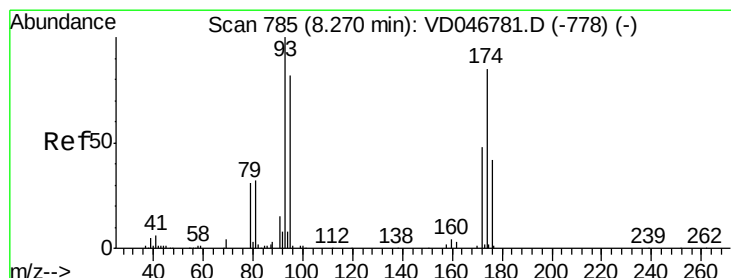
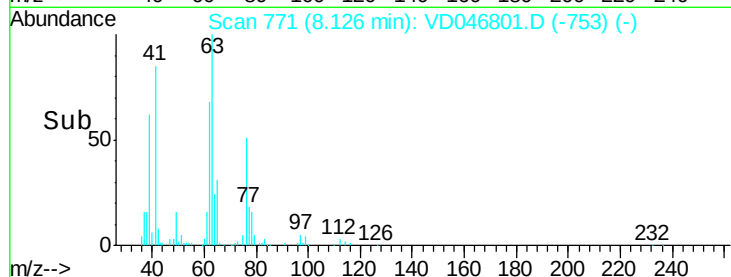
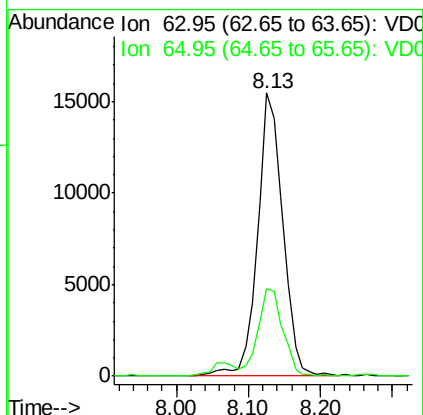
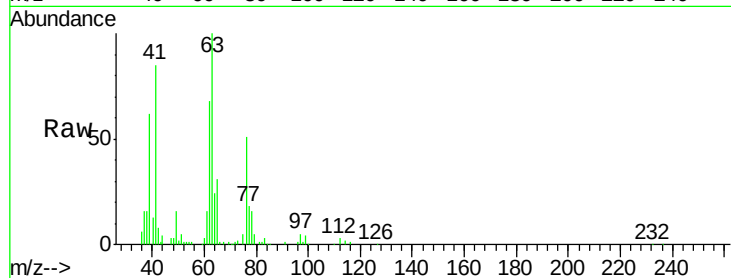
VD0921SBSD01

Tot Ion: 63 Resp: 37734

Ion Ratio Lower Upper

63 100

65 30.7 25.1 37.7



#46

Dibromomethane

Concen: 20.35 ug/l

RT: 8.25 min Scan# 784

Delta R.T. -0.02 min

Lab File: VD046801.D

Acq: 21 Sep 2015 12:34

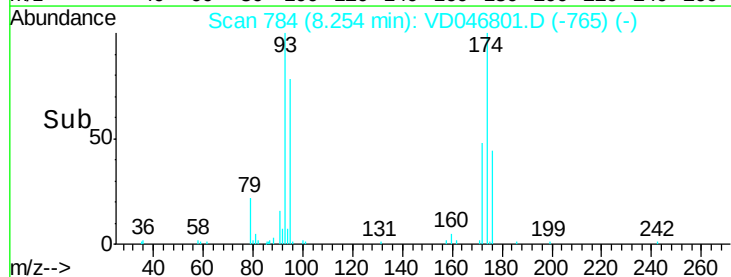
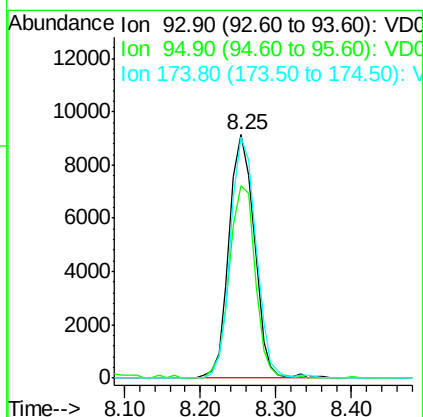
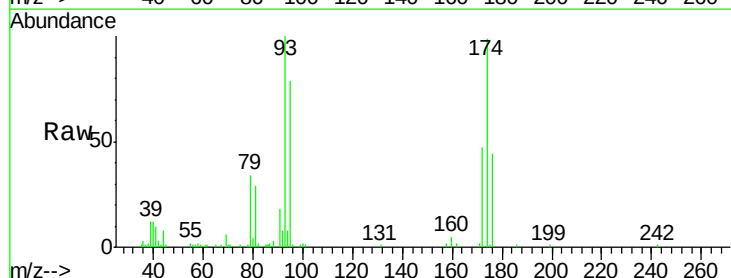
Tgt Ion: 93 Resp: 21264

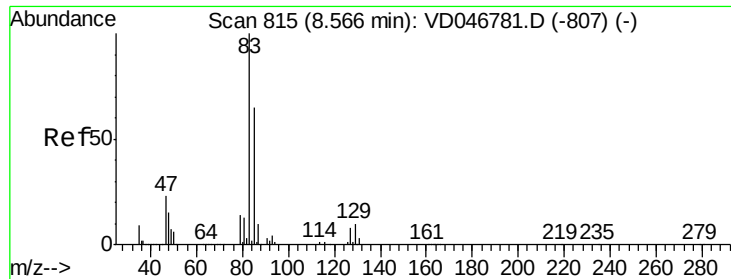
Ion Ratio Lower Upper

93 100

95 79.1 70.2 105.2

174 98.9 79.0 118.4





#47

Bromodichloromethane

Concen: 20.16 ug/l

RT: 8.55 min Scan# 814

Delta R.T. -0.02 min

Lab File: VD046801.D

Acq: 21 Sep 2015 12:34

Instrument :

MSVOA_D

ClientSampleId :

VD0921SBSD01

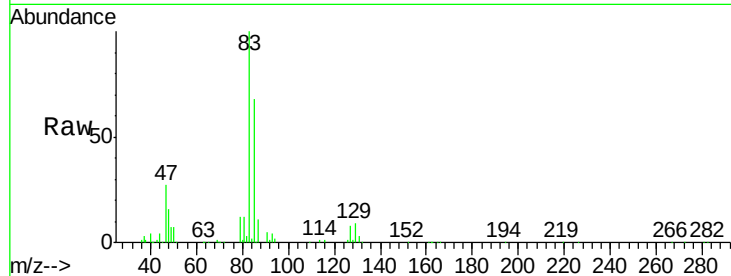
Tot Ion: 83 Resp: 55302

Ion Ratio Lower Upper

83 100

85 67.6 52.6 78.8

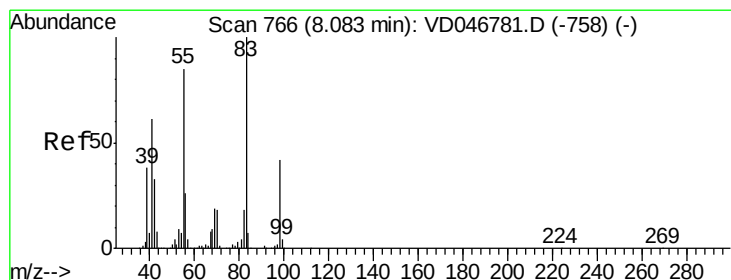
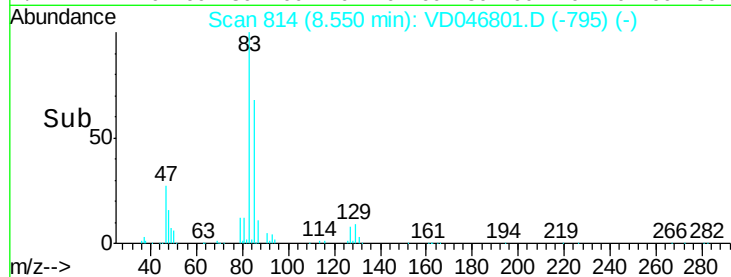
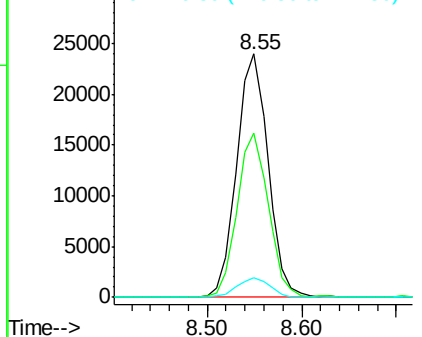
127 8.3 5.7 8.5



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: 20.19 ug/l

RT: 8.07 min Scan# 765

Delta R.T. -0.02 min

Lab File: VD046801.D

Acq: 21 Sep 2015 12:34

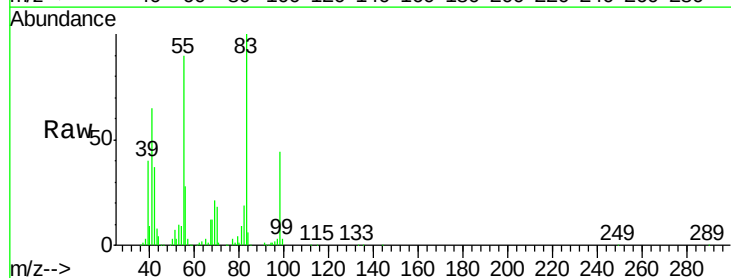
Tgt Ion: 41 Resp: 38039

Ion Ratio Lower Upper

41 100

69 32.8 25.3 37.9

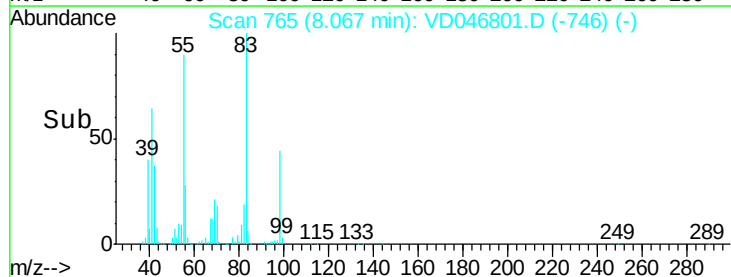
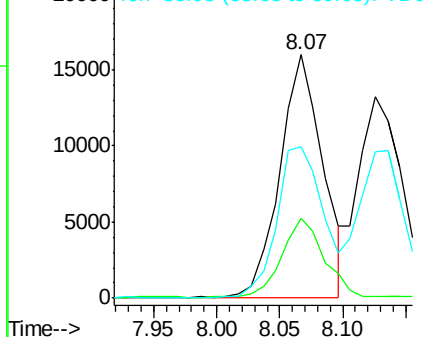
39 62.0 47.4 71.0

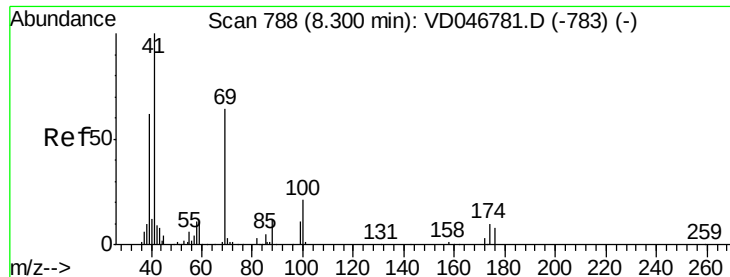


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 38.95 (38.65 to 39.65): VDC





#49

1,4-Dioxane

Concen: 396.74 ug/l

RT: 8.28 min Scan# 787

Delta R.T. -0.02 min

Lab File: VD046801.D

Acq: 21 Sep 2015 12:34

Instrument :

MSVOA_D

ClientSampleId :

VD0921SBS01

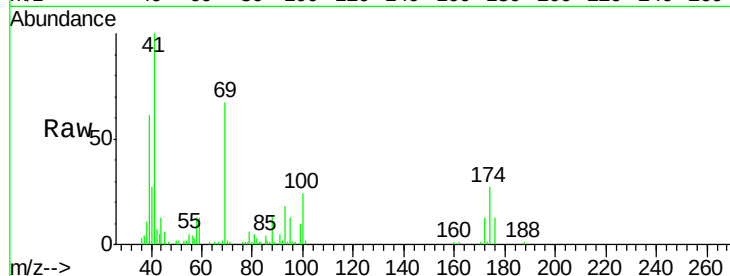
Tot Ion: 88 Resp: 2765

Ion Ratio Lower Upper

88 100

43 35.3 50.0 75.0#

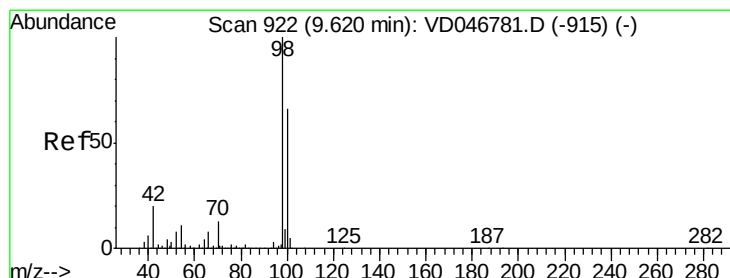
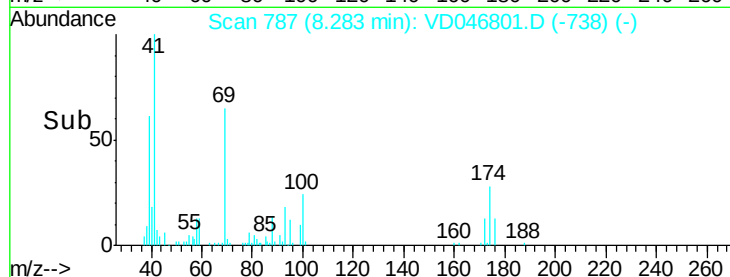
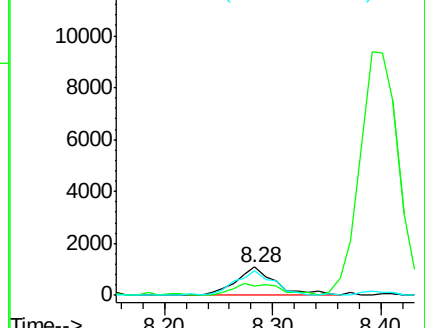
58 86.7 48.3 72.5#



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: 396.74 ug/l

RT: 9.60 min Scan# 921

Delta R.T. -0.02 min

Lab File: VD046801.D

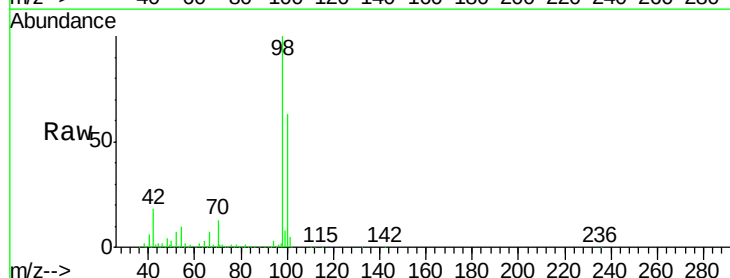
Acq: 21 Sep 2015 12:34

Tgt Ion: 98 Resp: 366456

Ion Ratio Lower Upper

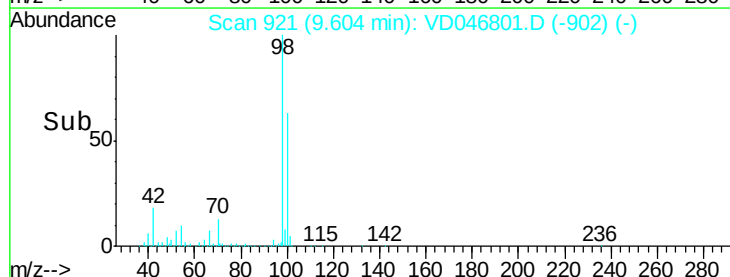
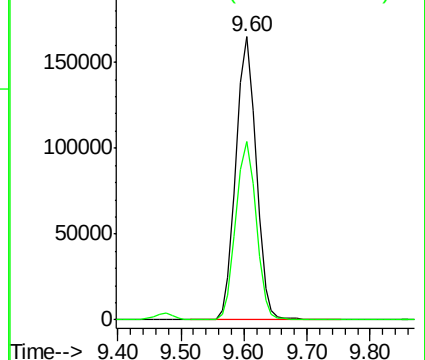
98 100

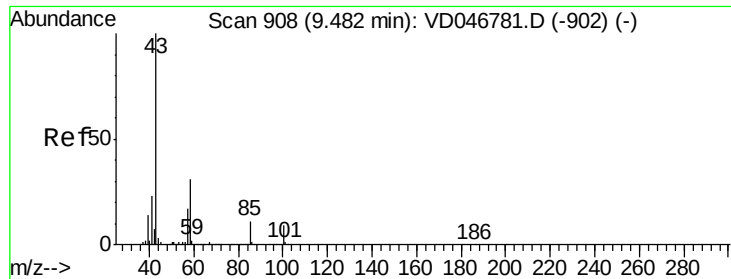
100 63.0 49.9 74.9



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 100.95 ug/l

RT: 9.47 min Scan# 907

Delta R.T. -0.02 min

Lab File: VD046801.D

Acq: 21 Sep 2015 12:34

Instrument :

MSVOA_D

ClientSampleId :

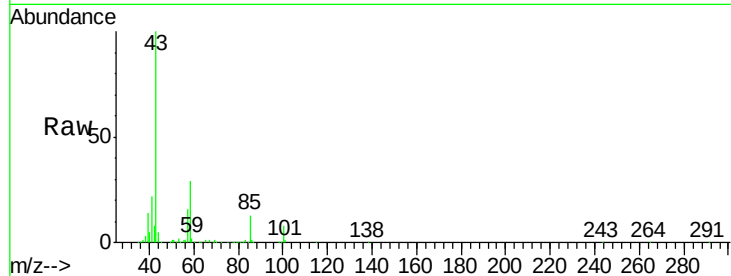
VD0921SBS01

Tot Ion: 43 Resp: 89884

Ion Ratio Lower Upper

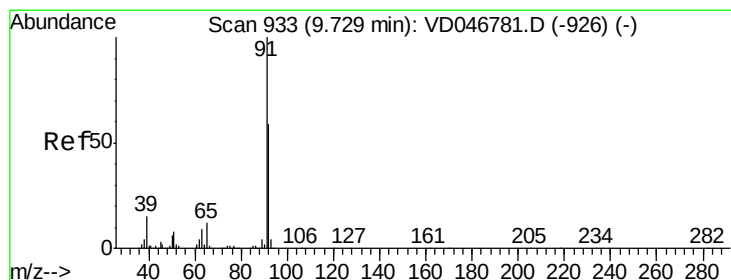
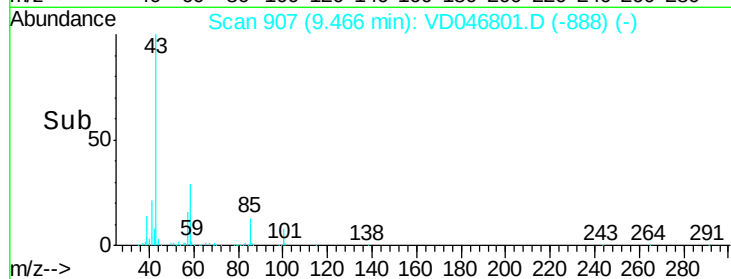
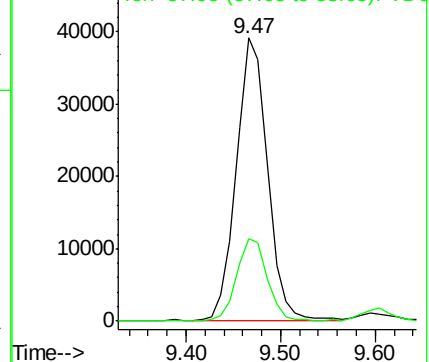
43 100

58 29.1 22.2 33.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 21.85 ug/l

RT: 9.70 min Scan# 931

Delta R.T. -0.03 min

Lab File: VD046801.D

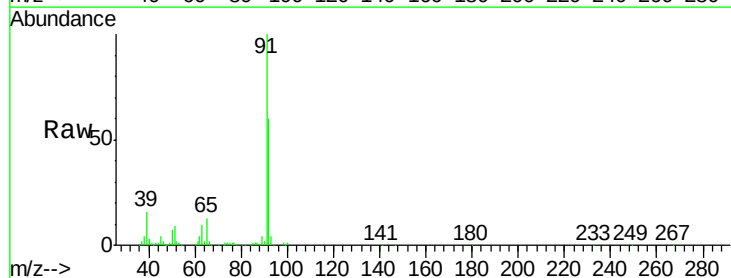
Acq: 21 Sep 2015 12:34

Tgt Ion: 92 Resp: 100113

Ion Ratio Lower Upper

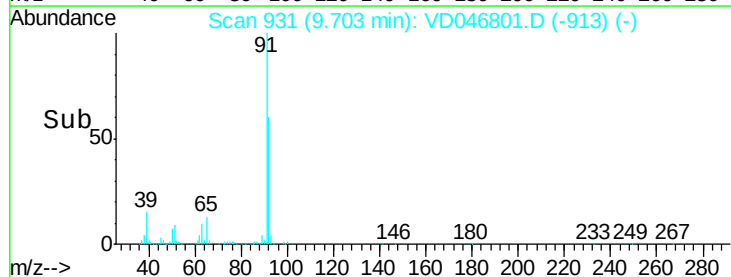
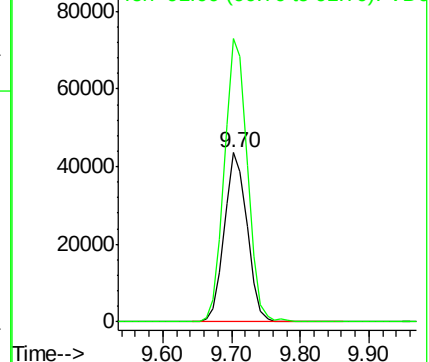
92 100

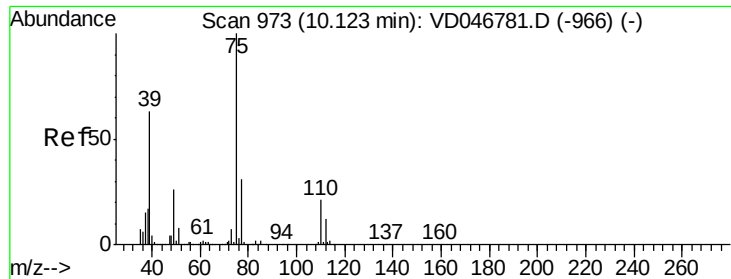
91 167.5 139.4 209.0



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: 19.81 ug/l

RT: 10.11 min Scan# 972

Delta R.T. -0.02 min

Lab File: VD046801.D

Acq: 21 Sep 2015 12:34

Instrument :

MSVOA_D

ClientSampleId :

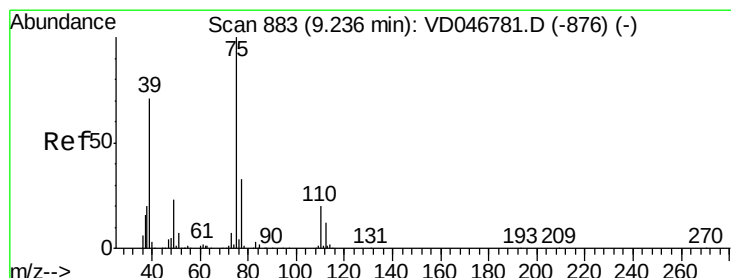
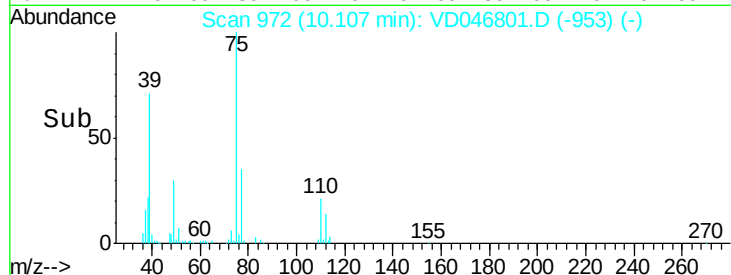
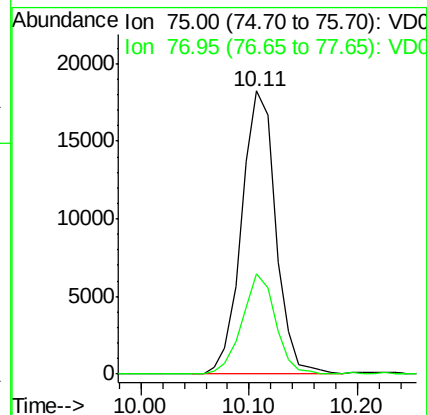
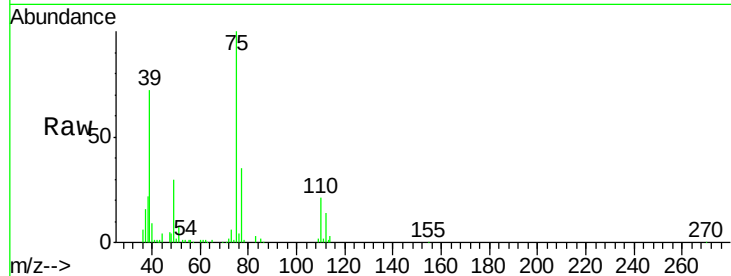
VD0921SBSD01

Tot Ion: 75 Resp: 40117

Ion Ratio Lower Upper

75 100

77 35.5 27.6 41.4



#54

cis-1,3-Dichloropropene

Concen: 20.65 ug/l

RT: 9.22 min Scan# 882

Delta R.T. -0.02 min

Lab File: VD046801.D

Acq: 21 Sep 2015 12:34

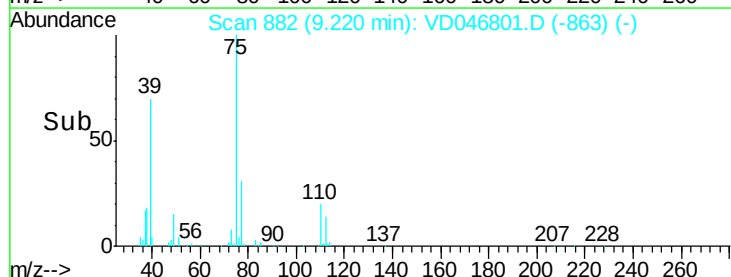
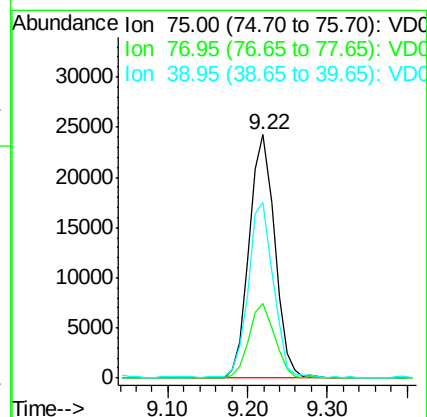
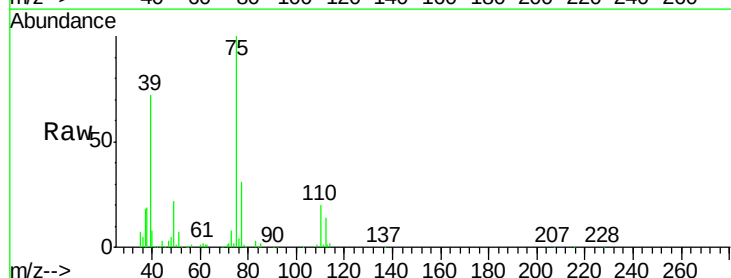
Tgt Ion: 75 Resp: 53865

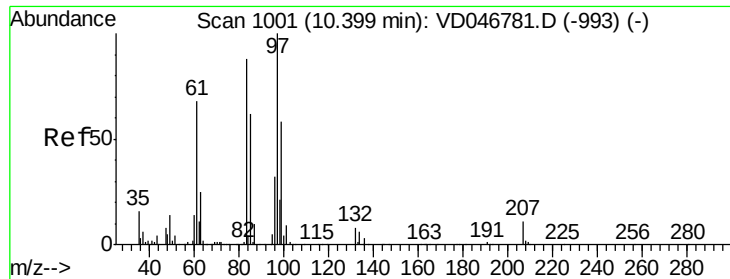
Ion Ratio Lower Upper

75 100

77 30.6 23.8 35.6

39 72.3 53.0 79.6





#55

1,1,2-Trichloroethane

Concen: 21.14 ug/l

RT: 10.38 min Scan# 1000

Delta R.T. -0.02 min

Lab File: VD046801.D

Acq: 21 Sep 2015 12:34

Instrument :

MSVOA_D

ClientSampleId :

VD0921SBS01

Tot Ion: 97 Resp: 25078

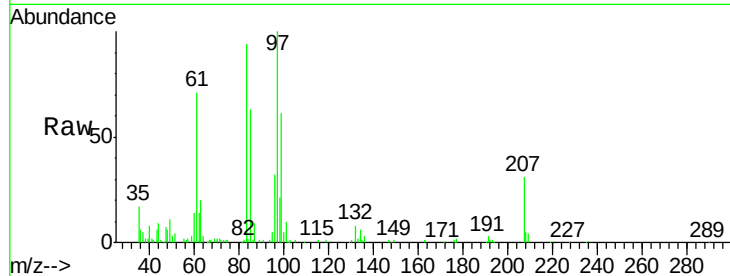
Ion Ratio Lower Upper

97 100

83 93.9 75.3 112.9

85 63.3 50.9 76.3

99 61.4 46.9 70.3

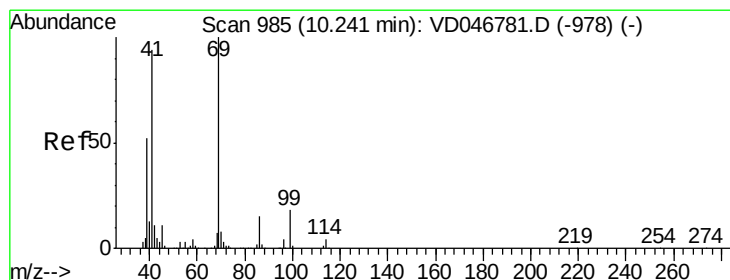
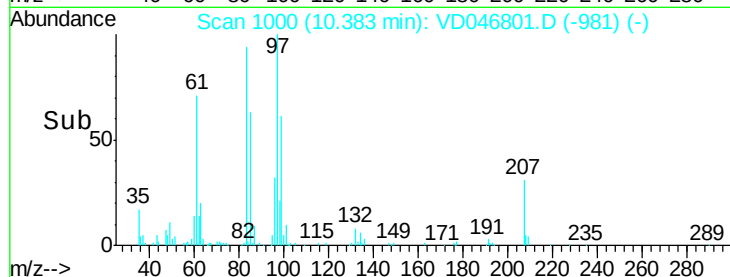
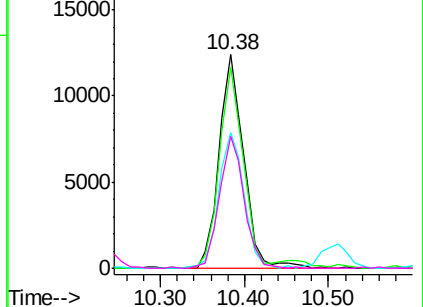


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 19.43 ug/l

RT: 10.23 min Scan# 984

Delta R.T. -0.02 min

Lab File: VD046801.D

Acq: 21 Sep 2015 12:34

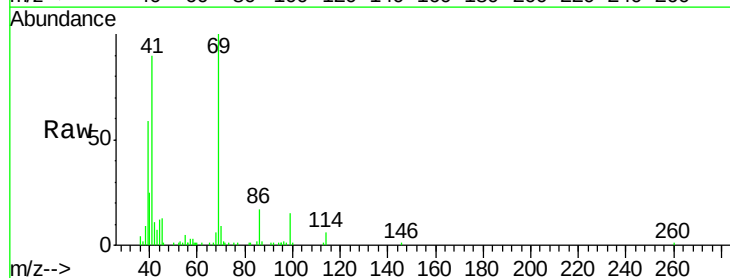
Tgt Ion: 69 Resp: 20758

Ion Ratio Lower Upper

69 100

41 90.2 75.4 113.0

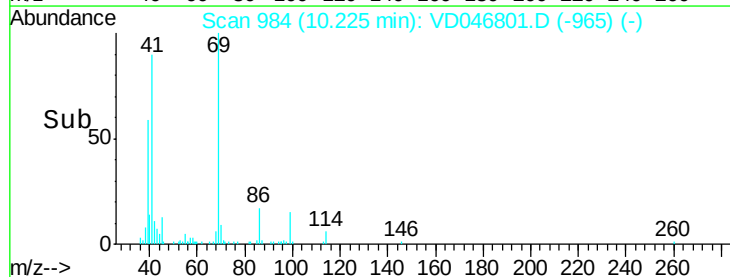
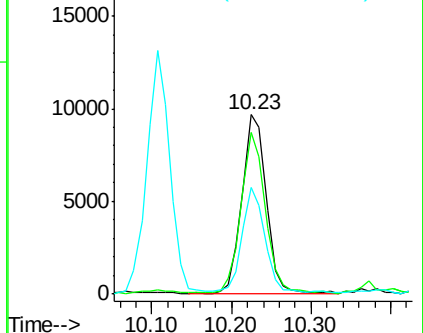
39 59.4 41.0 61.4

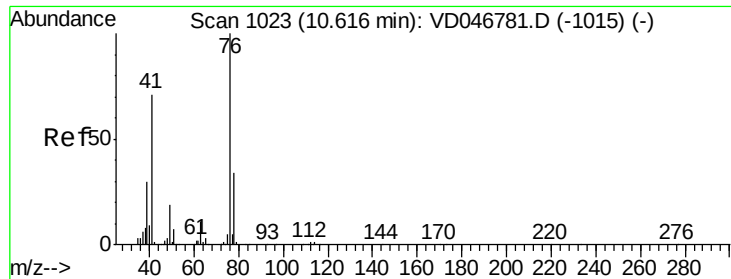


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

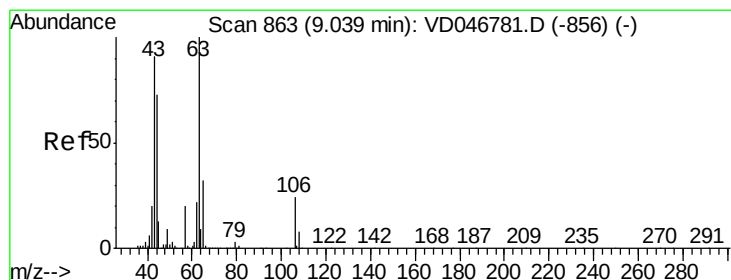
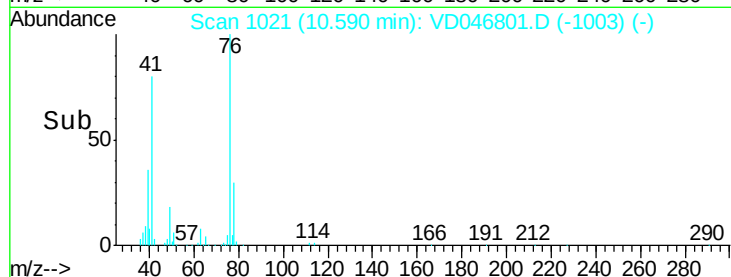
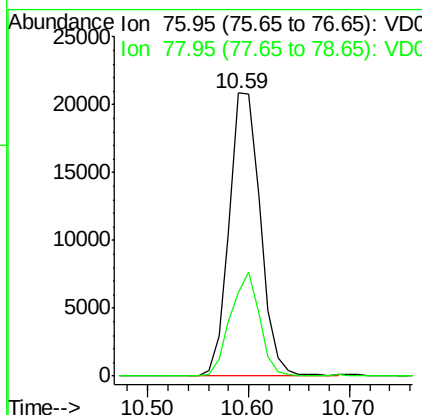
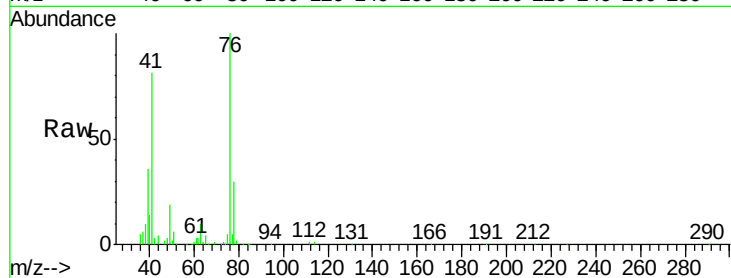




#57
 1,3-Dichloropropane
 Concen: 20.37 ug/l
 RT: 10.59 min Scan# 1021
 Delta R.T. -0.03 min
 Lab File: VD046801.D
 Acq: 21 Sep 2015 12:34

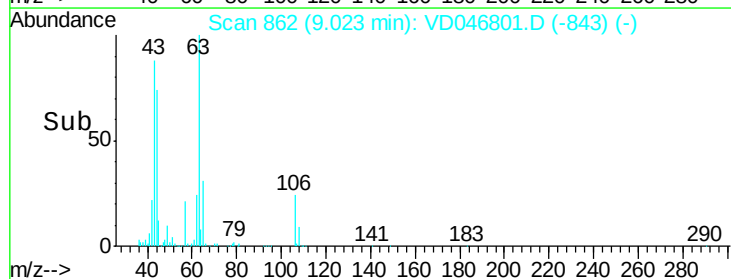
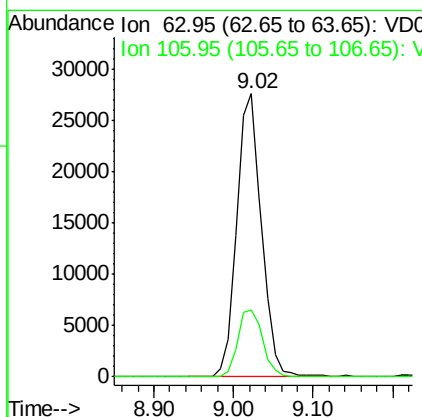
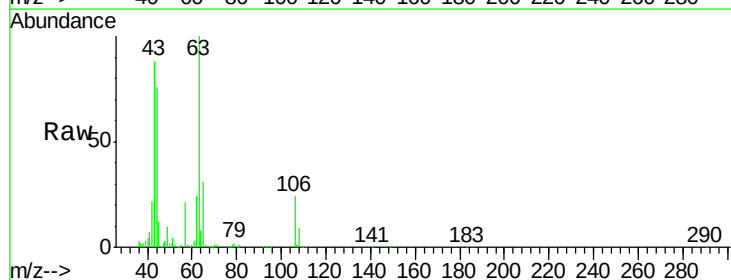
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0921SBSD01

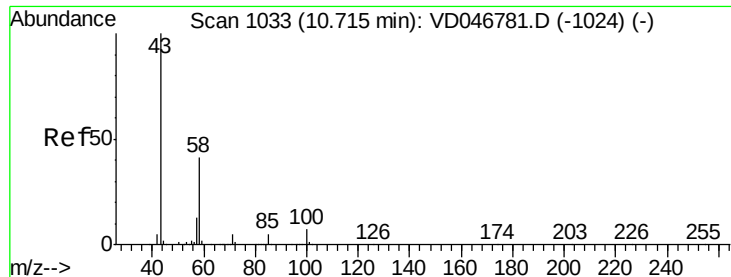
Tot Ion: 76 Resp: 44942
 Ion Ratio Lower Upper
 76 100
 78 29.7 26.6 39.8



#58
 2-Chloroethyl Vinyl ether
 Concen: 105.53 ug/l
 RT: 9.02 min Scan# 862
 Delta R.T. -0.02 min
 Lab File: VD046801.D
 Acq: 21 Sep 2015 12:34

Tgt Ion: 63 Resp: 59547
 Ion Ratio Lower Upper
 63 100
 106 23.9 17.8 26.8

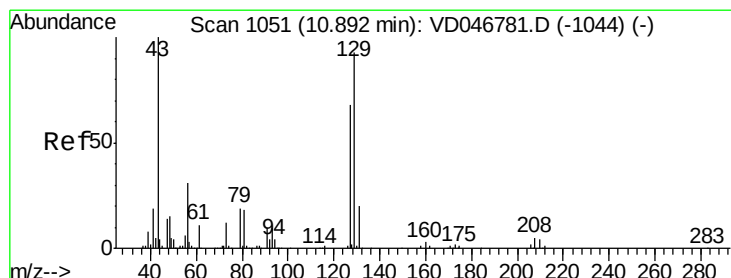
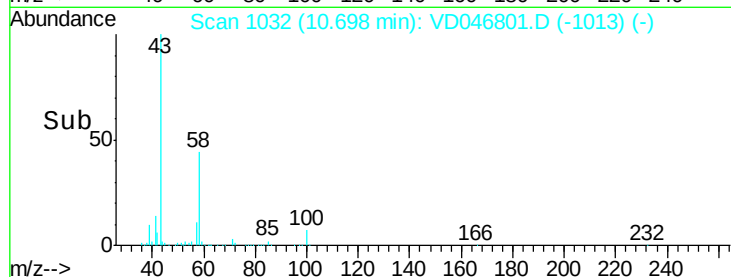
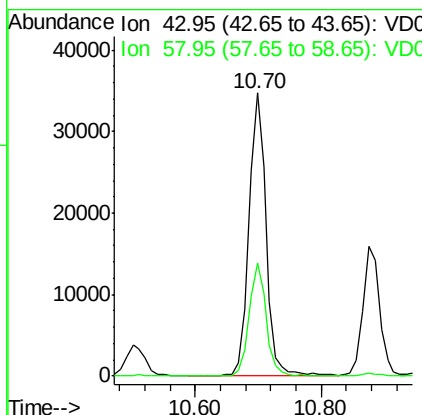
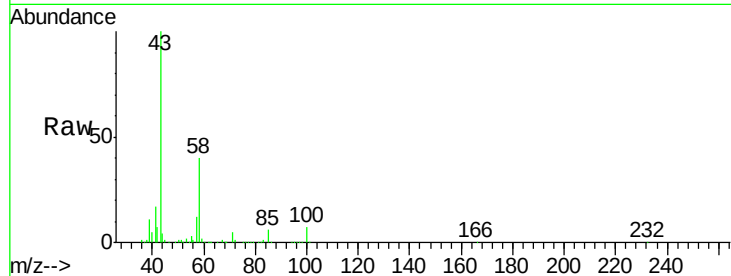




#59
2-Hexanone
Concen: 102.55 ug/l
RT: 10.70 min Scan# 1032
Delta R.T. -0.02 min
Lab File: VD046801.D
Acq: 21 Sep 2015 12:34

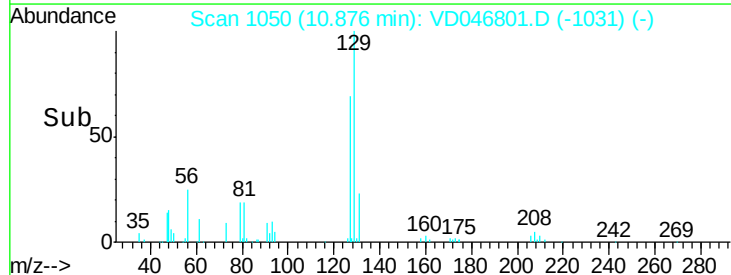
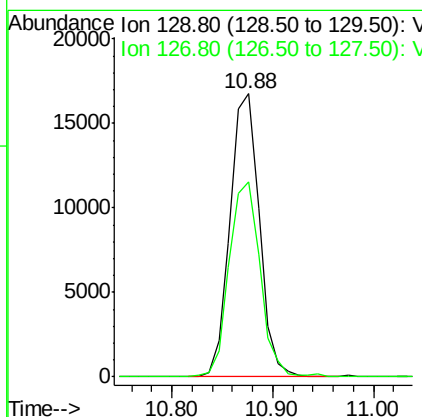
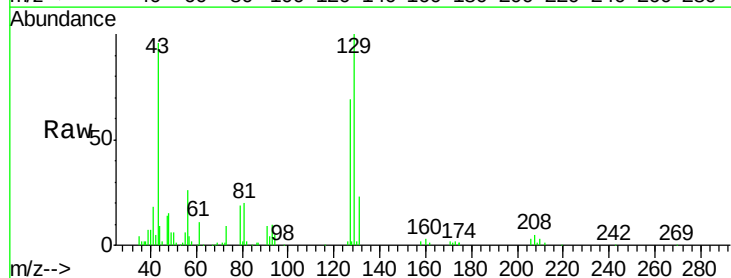
Instrument :
MSVOA_D
ClientSampleId :
VD0921SBSD01

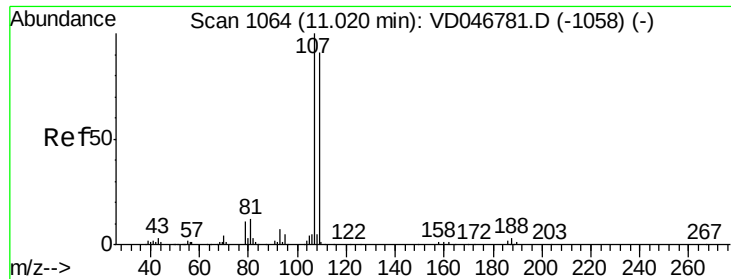
Tot Ion: 43 Resp: 65971
Ion Ratio Lower Upper
43 100
58 40.0 18.6 55.8



#60
Dibromochloromethane
Concen: 20.78 ug/l
RT: 10.88 min Scan# 1050
Delta R.T. -0.02 min
Lab File: VD046801.D
Acq: 21 Sep 2015 12:34

Tgt Ion: 129 Resp: 33835
Ion Ratio Lower Upper
129 100
127 69.1 38.2 114.6





#61

1,2-Dibromoethane

Concen: 20.42 ug/l

RT: 11.00 min Scan# 1063

Delta R.T. -0.02 min

Lab File: VD046801.D

Acq: 21 Sep 2015 12:34

Instrument :

MSVOA_D

ClientSampleId :

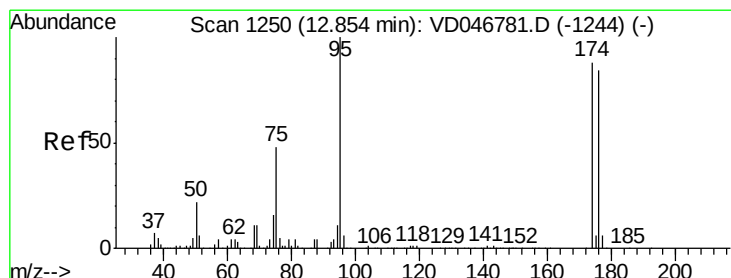
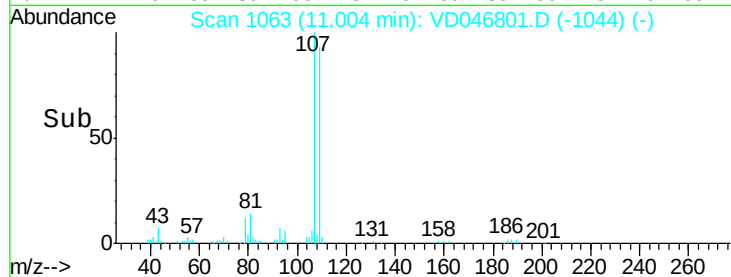
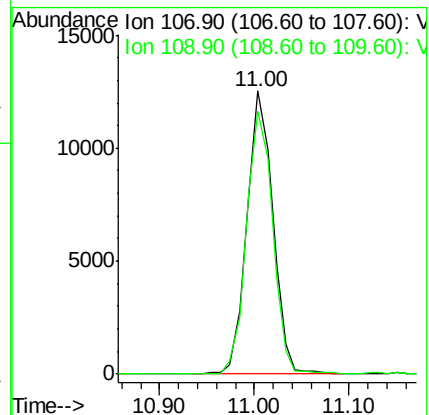
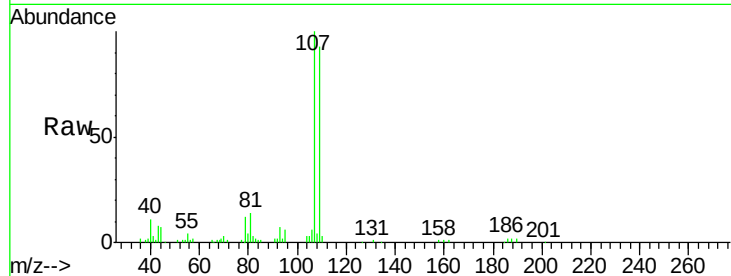
VD0921SBSD01

Tot Ion:107 Resp: 23925

Ion Ratio Lower Upper

107 100

109 92.9 71.4 107.0



#62

4-Bromofluorobenzene

Concen: 20.42 ug/l

RT: 12.84 min Scan# 1249

Delta R.T. -0.02 min

Lab File: VD046801.D

Acq: 21 Sep 2015 12:34

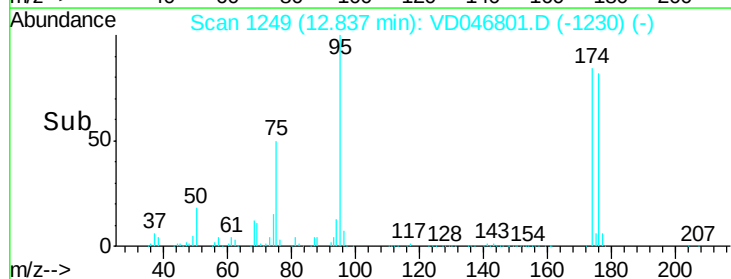
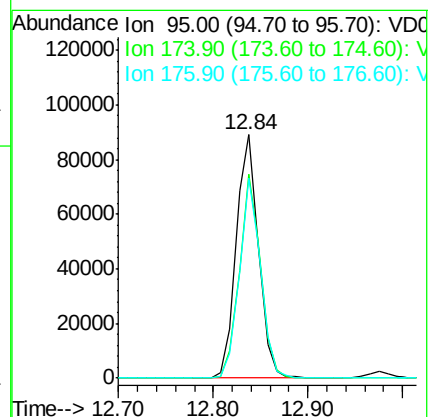
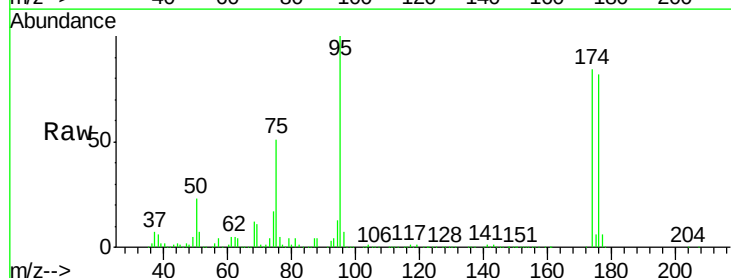
Tgt Ion: 95 Resp: 144629

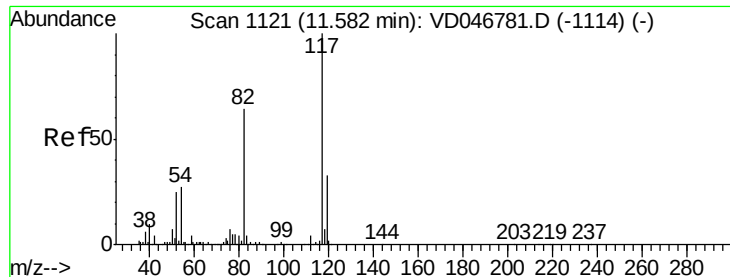
Ion Ratio Lower Upper

95 100

174 83.5 0.0 149.8

176 82.2 0.0 143.4

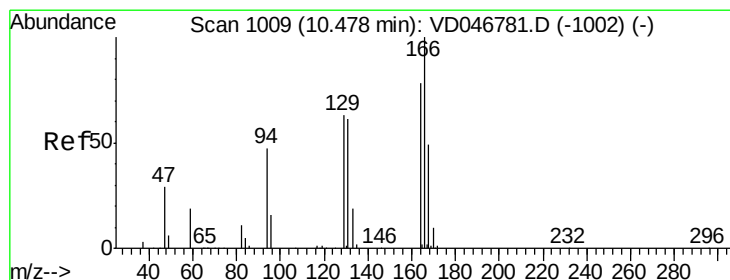
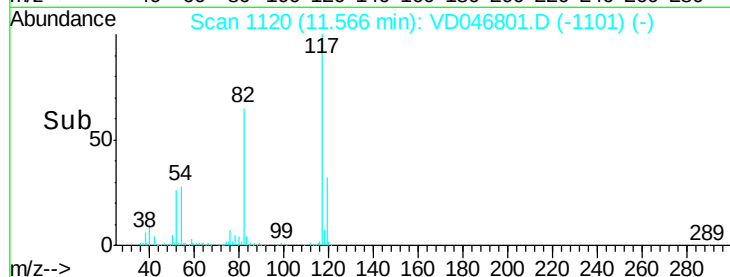
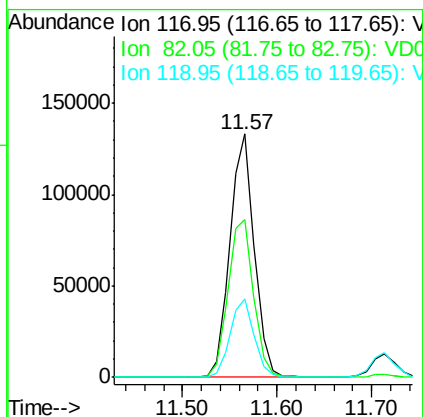
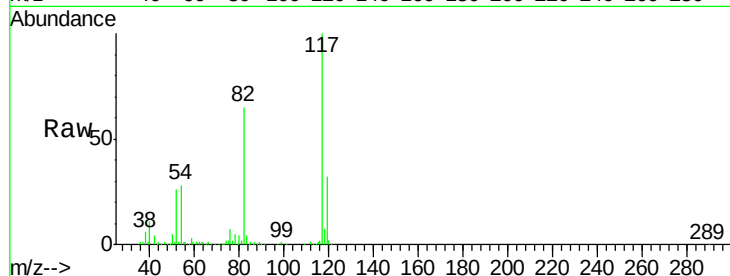




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.57 min Scan# 1120
Delta R.T. -0.02 min
Lab File: VD046801.D
Acq: 21 Sep 2015 12:34

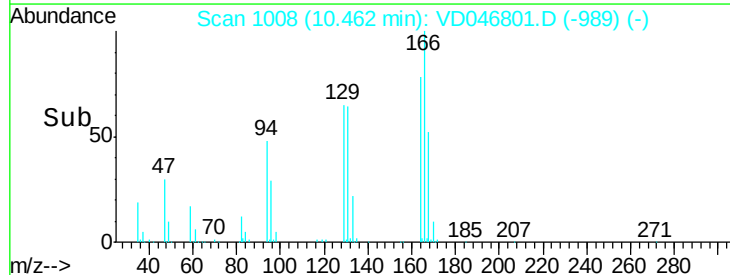
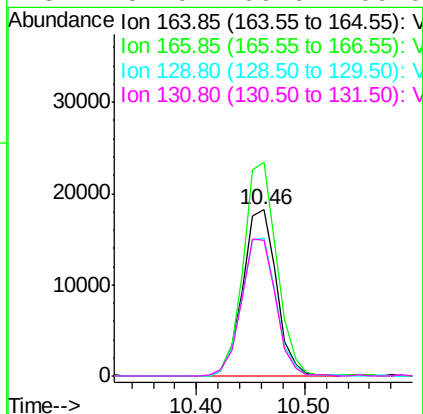
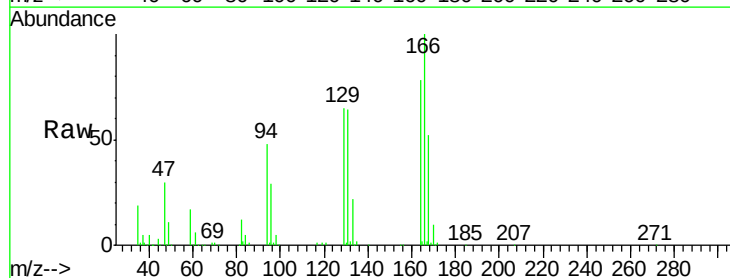
Instrument :
MSVOA_D
ClientSampleId :
VD0921SBSD01

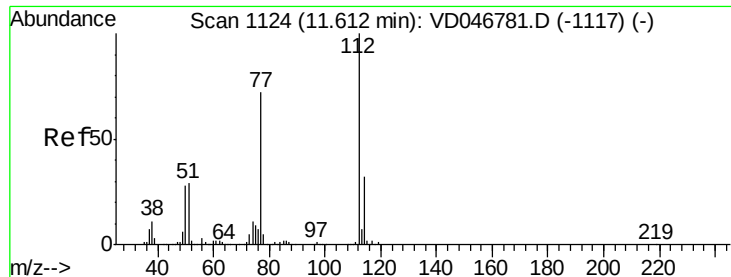
Tot Ion:117 Resp: 237771
Ion Ratio Lower Upper
117 100
82 64.9 50.6 75.8
119 32.1 25.8 38.8



#64
Tetrachloroethene
Concen: 20.57 ug/l
RT: 10.46 min Scan# 1008
Delta R.T. -0.02 min
Lab File: VD046801.D
Acq: 21 Sep 2015 12:34

Tgt Ion:164 Resp: 39505
Ion Ratio Lower Upper
164 100
166 128.6 106.8 160.2
129 83.3 70.6 106.0
131 82.0 66.6 100.0

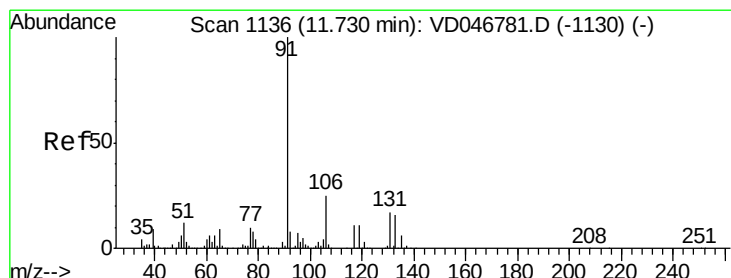
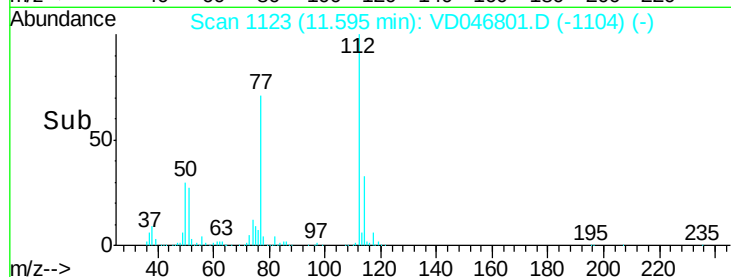
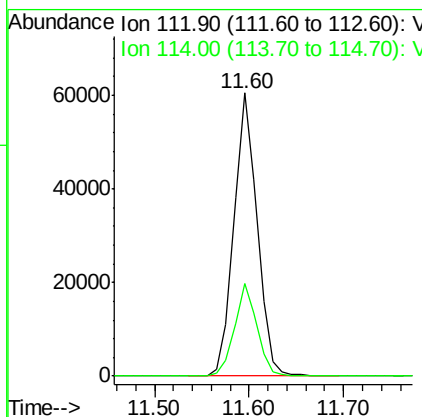
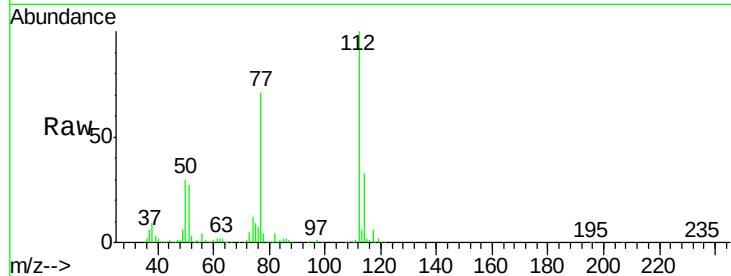




#65
Chlorobenzene
Concen: 20.63 ug/l
RT: 11.60 min Scan# 1123
Delta R.T. -0.02 min
Lab File: VD046801.D
Acq: 21 Sep 2015 12:34

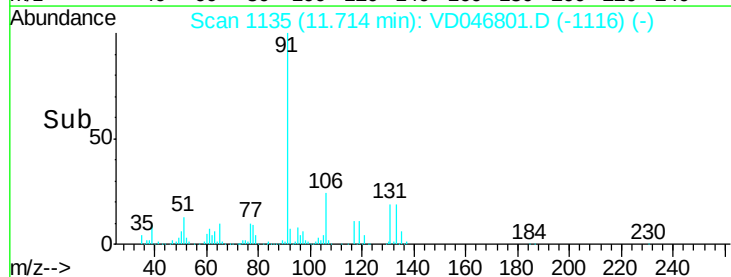
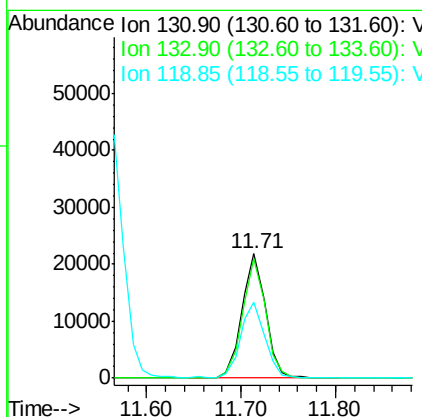
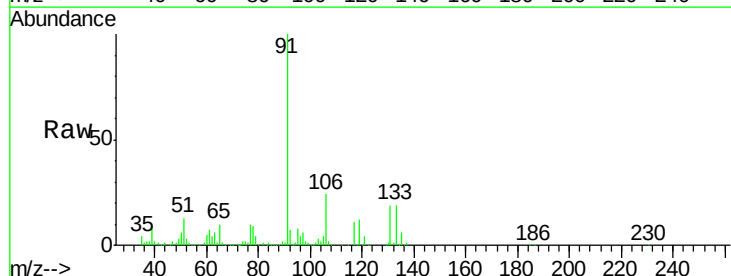
Instrument :
MSVOA_D
ClientSampleId :
VD0921SBSD01

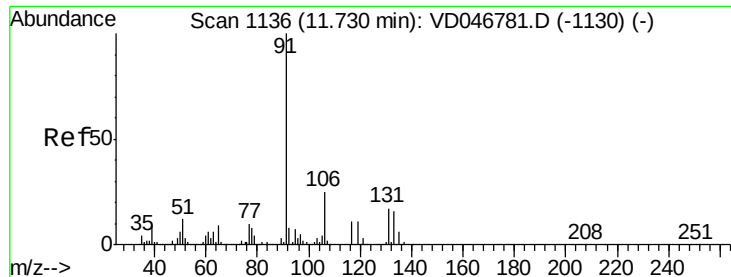
Tot Ion:112 Resp: 103230
Ion Ratio Lower Upper
112 100
114 32.9 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 20.55 ug/l
RT: 11.71 min Scan# 1135
Delta R.T. -0.02 min
Lab File: VD046801.D
Acq: 21 Sep 2015 12:34

Tgt Ion:131 Resp: 37767
Ion Ratio Lower Upper
131 100
133 96.3 48.4 145.0
119 60.9 31.5 94.5





#67

Ethyl Benzene

Concen: 20.73 ug/l

RT: 11.72 min Scan# 1136

Delta R.T. -0.01 min

Lab File: VD046801.D

Acq: 21 Sep 2015 12:34

Instrument :

MSVOA_D

ClientSampleId :

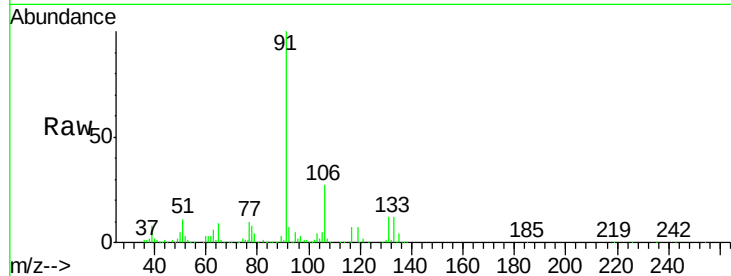
VD0921SBSD01

Tot Ion: 91 Resp: 208422

Ion Ratio Lower Upper

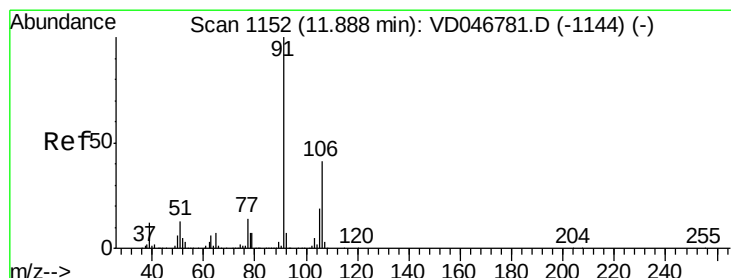
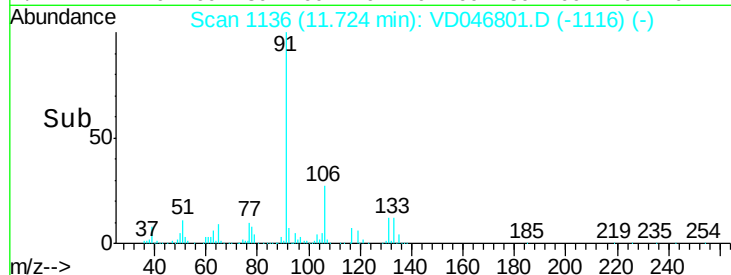
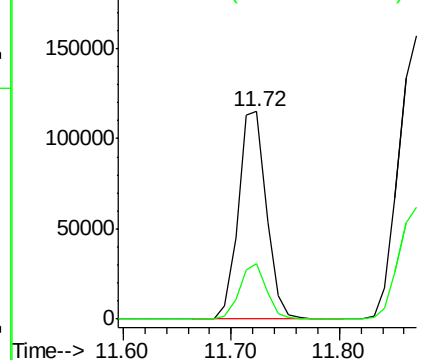
91 100

106 27.0 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: 42.34 ug/l

RT: 11.87 min Scan# 1151

Delta R.T. -0.02 min

Lab File: VD046801.D

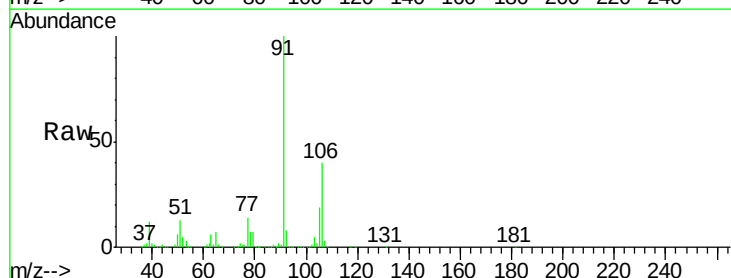
Acq: 21 Sep 2015 12:34

Tgt Ion: 106 Resp: 134281

Ion Ratio Lower Upper

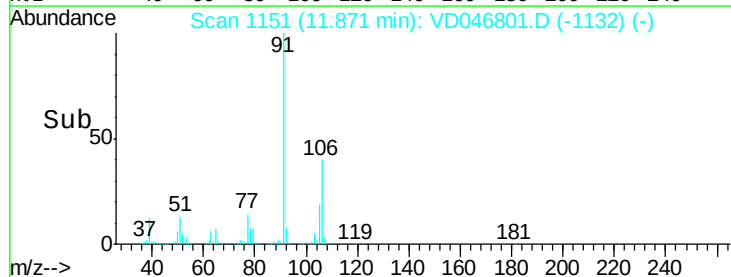
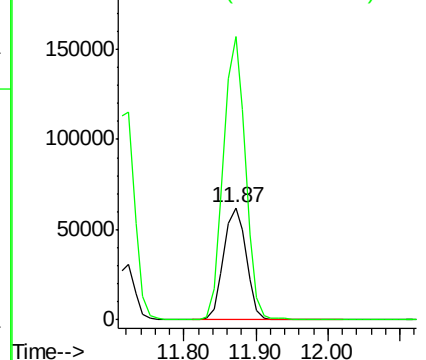
106 100

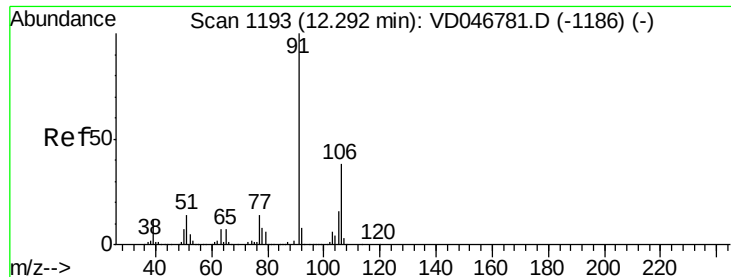
91 253.0 187.9 281.9



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): V





#69

o-Xylene

Concen: 21.64 ug/l

RT: 12.28 min Scan# 1192

Delta R.T. -0.02 min

Lab File: VD046801.D

Acq: 21 Sep 2015 12:34

Instrument :

MSVOA_D

ClientSampleId :

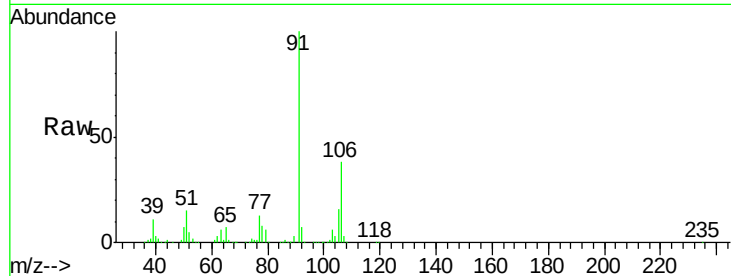
VD0921SBSD01

Tot Ion:106 Resp: 61777

Ion Ratio Lower Upper

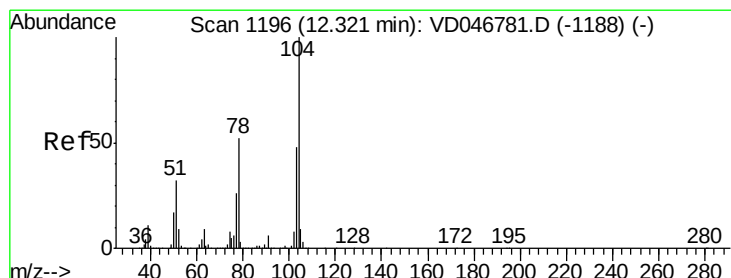
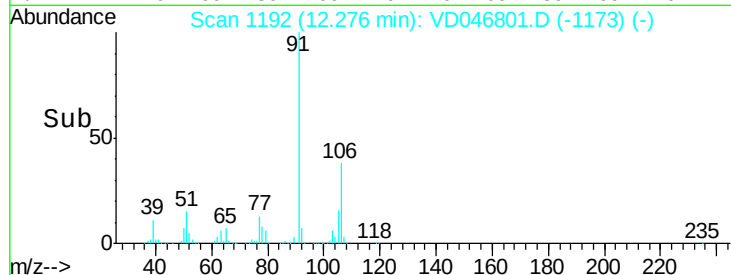
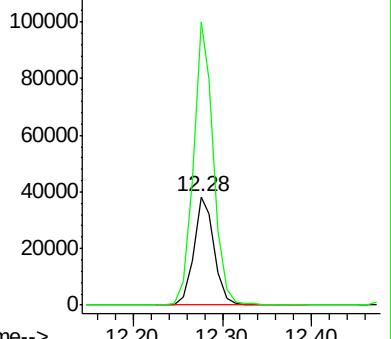
106 100

91 261.3 124.8 374.5



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): VDC



#70

Styrene

Concen: 21.29 ug/l

RT: 12.31 min Scan# 1195

Delta R.T. -0.02 min

Lab File: VD046801.D

Acq: 21 Sep 2015 12:34

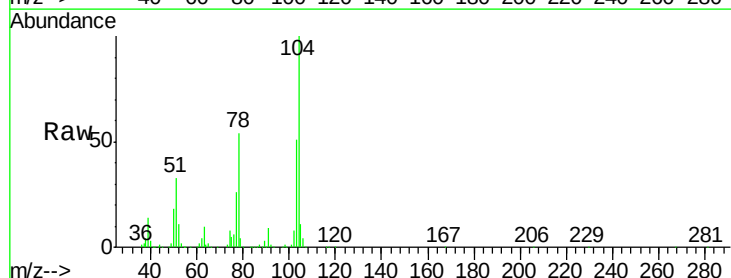
Tgt Ion:104 Resp: 105358

Ion Ratio Lower Upper

104 100

78 54.1 44.5 66.7

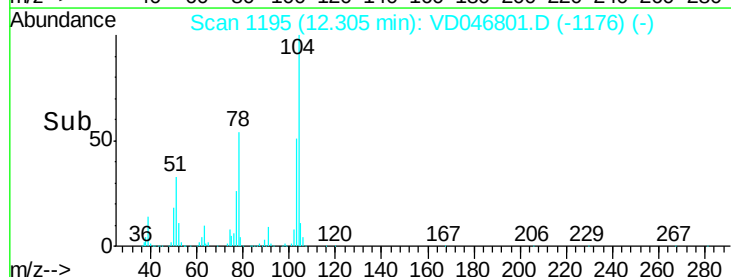
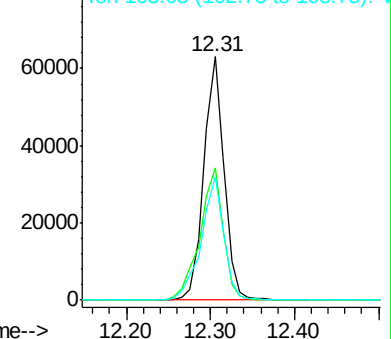
103 50.6 40.3 60.5

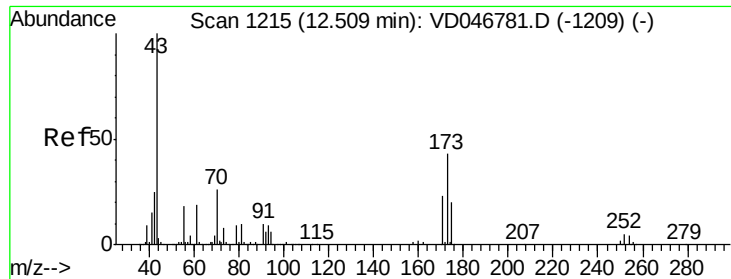


Abundance Ion 104.05 (103.75 to 104.75): V

Ion 77.95 (77.65 to 78.65): VDC

Ion 103.05 (102.75 to 103.75): V

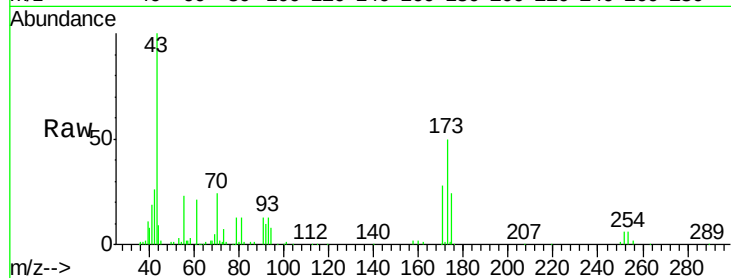




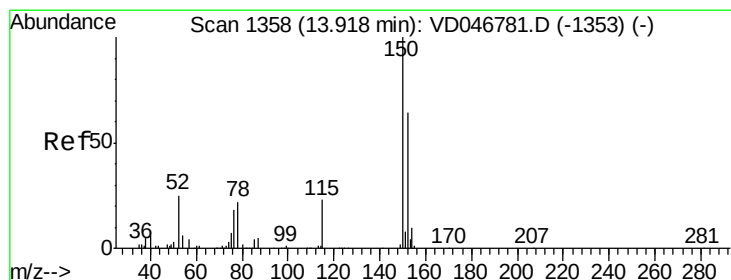
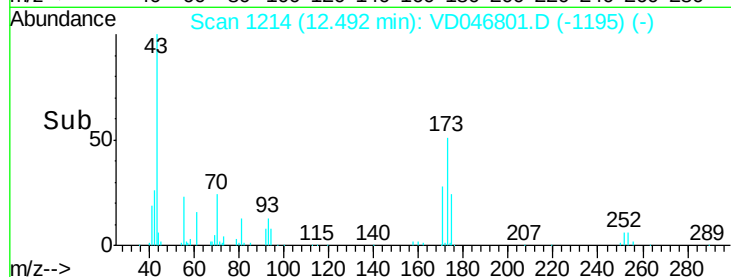
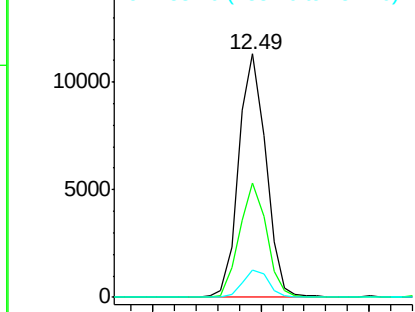
#71
Bromoform
Concen: 20.30 ug/l
RT: 12.49 min Scan# 1214
Delta R.T. -0.02 min
Lab File: VD046801.D
Acq: 21 Sep 2015 12:34

Instrument :
MSVOA_D
ClientSampleId :
VD0921SBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.0	23.1	69.3
254	11.5	8.7	13.1

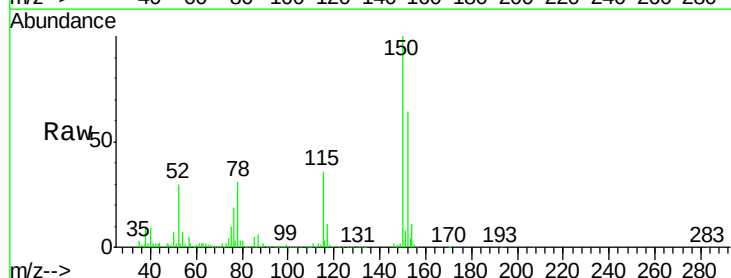


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

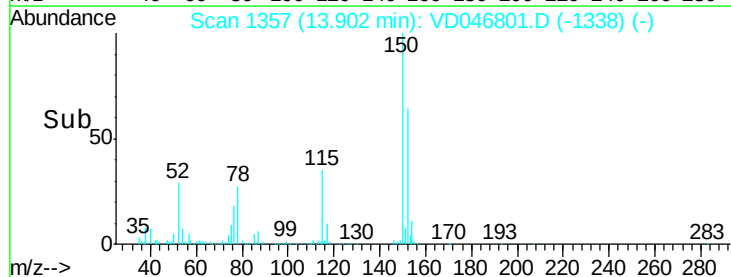
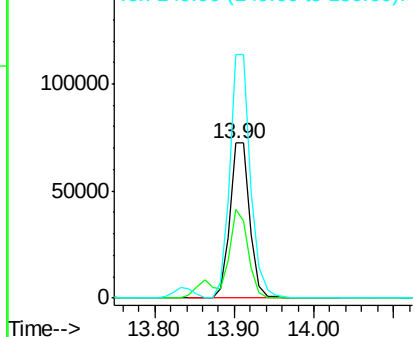


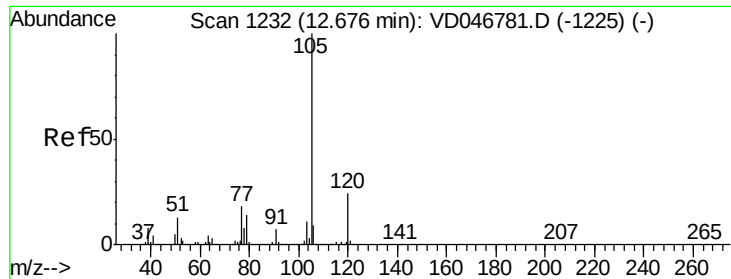
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.90 min Scan# 1357
Delta R.T. -0.02 min
Lab File: VD046801.D
Acq: 21 Sep 2015 12:34

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.1	26.2	78.6
150	157.2	0.0	311.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.00 ug/l

RT: 12.66 min Scan# 1231

Delta R.T. -0.02 min

Lab File: VD046801.D

Acq: 21 Sep 2015 12:34

Instrument :

MSVOA_D

ClientSampleId :

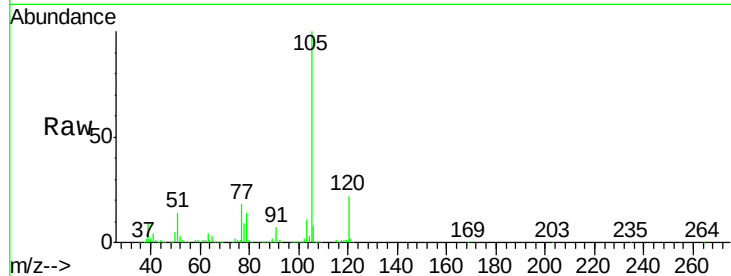
VD0921SBSD01

Tot Ion:105 Resp: 188619

Ion Ratio Lower Upper

105 100

120 22.1 12.4 37.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

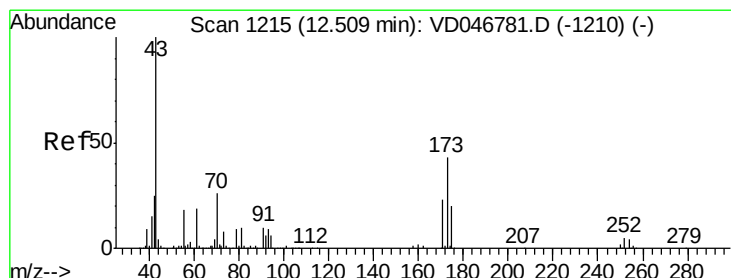
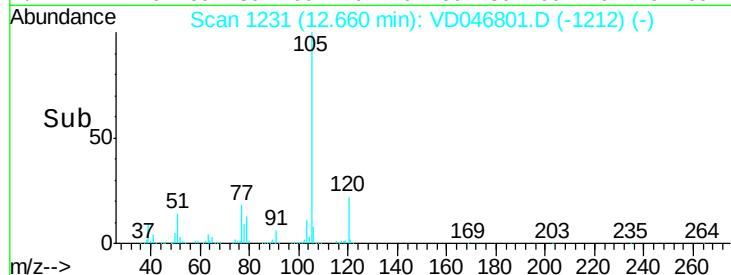
12.66

100000

50000

0

Time--> 12.50 12.60 12.70 12.80



#74

N-ethyl acetate

Concen: 18.75 ug/l

RT: 12.49 min Scan# 1214

Delta R.T. -0.02 min

Lab File: VD046801.D

Acq: 21 Sep 2015 12:34

Tgt Ion: 43 Resp: 35015

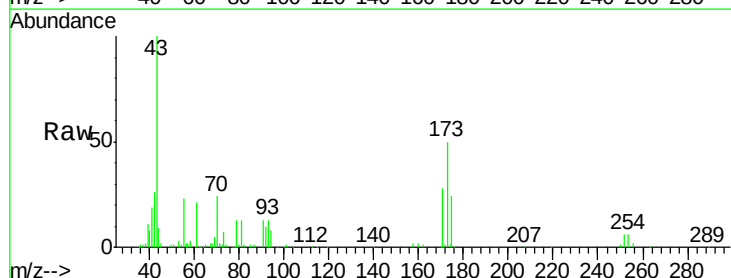
Ion Ratio Lower Upper

43 100

70 23.9 22.1 33.1

55 22.6 14.5 21.7#

61 21.0 14.6 21.8



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

12.49

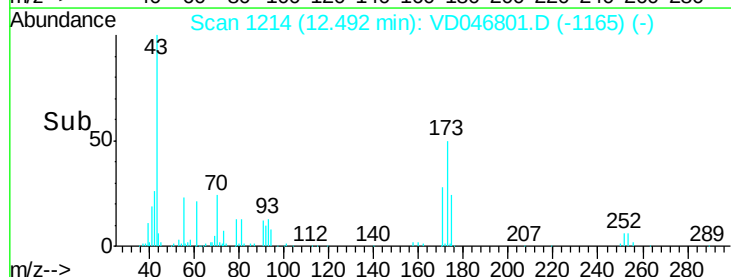
30000

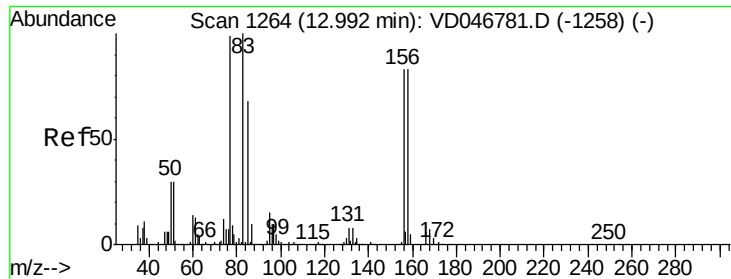
20000

10000

0

Time--> 12.40 12.50 12.60





#75

1,1,2,2-Tetrachloroethane

Concen: 19.61 ug/l

RT: 12.98 min Scan# 1263

Delta R.T. -0.02 min

Lab File: VD046801.D

Acq: 21 Sep 2015 12:34

Instrument :

MSVOA_D

ClientSampleId :

VD0921SBS01

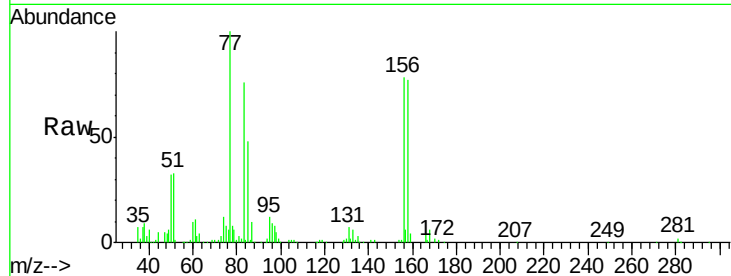
Tot Ion: 83 Resp: 28429

Ion Ratio Lower Upper

83 100

131 9.6 3.9 11.7

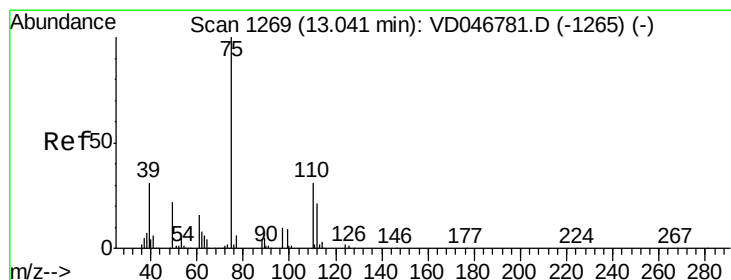
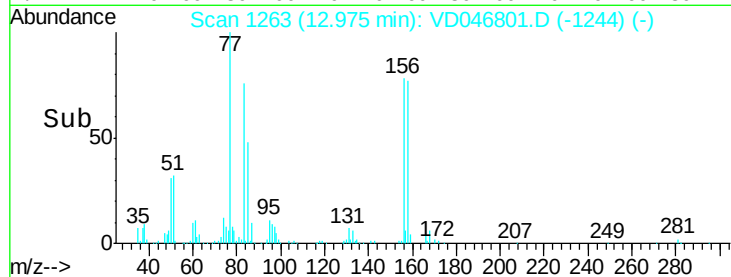
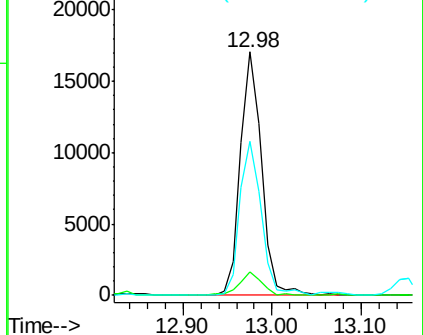
85 63.0 30.5 91.5



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: 19.32 ug/l

RT: 13.02 min Scan# 1268

Delta R.T. -0.02 min

Lab File: VD046801.D

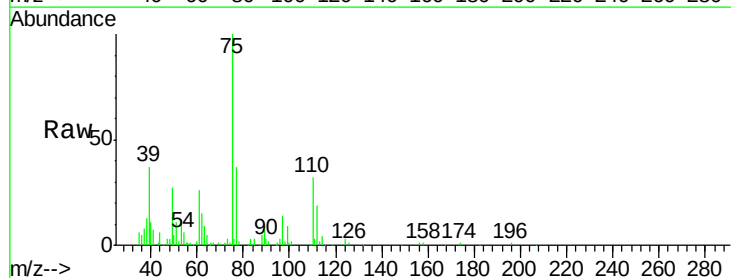
Acq: 21 Sep 2015 12:34

Tgt Ion: 75 Resp: 29963

Ion Ratio Lower Upper

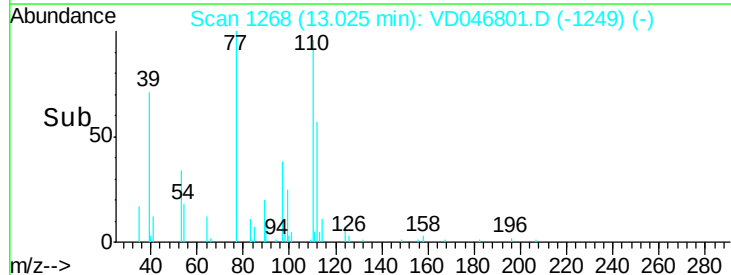
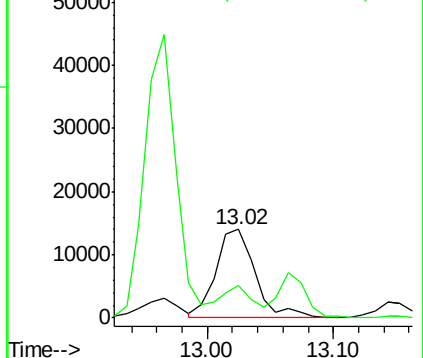
75 100

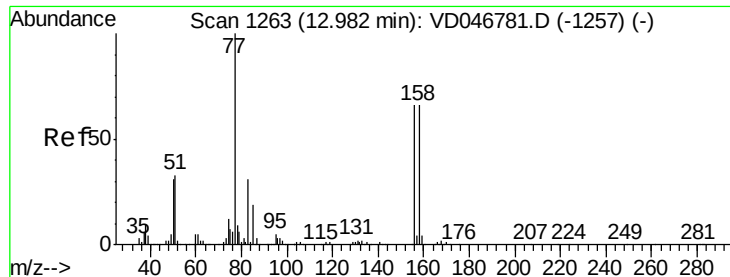
77 37.4 16.0 48.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 20.18 ug/l

RT: 12.97 min Scan# 1262

Delta R.T. -0.02 min

Lab File: VD046801.D

Acq: 21 Sep 2015 12:34

Instrument :

MSVOA_D

ClientSampleId :

VD0921SBSD01

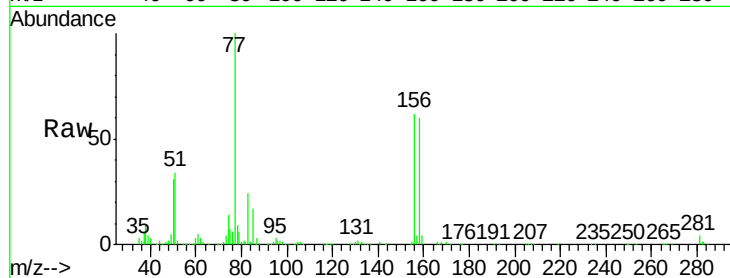
Tot Ion:156 Resp: 45588

Ion Ratio Lower Upper

156 100

77 161.2 70.3 210.8

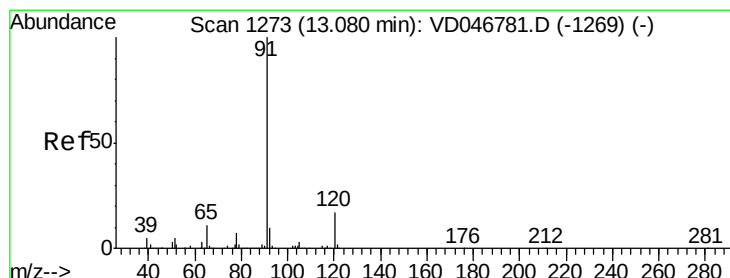
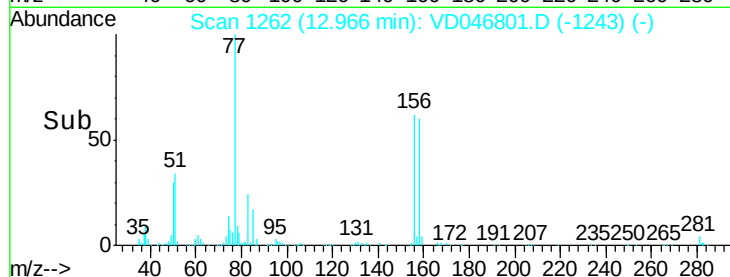
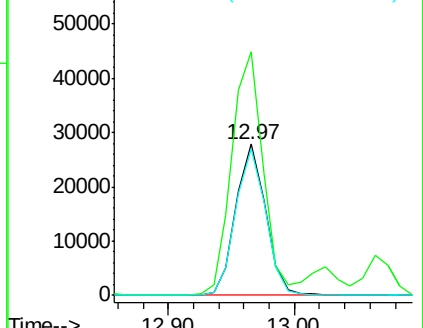
158 96.5 49.0 147.0



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 21.15 ug/l

RT: 13.06 min Scan# 1272

Delta R.T. -0.02 min

Lab File: VD046801.D

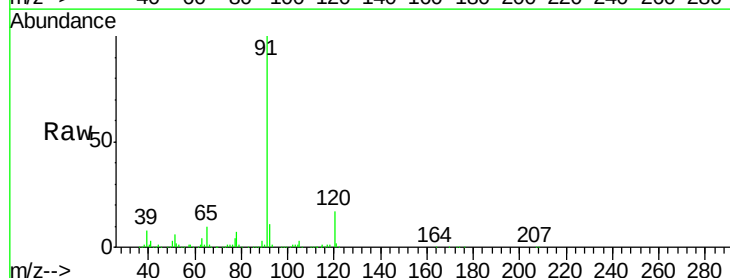
Acq: 21 Sep 2015 12:34

Tgt Ion: 91 Resp: 268276

Ion Ratio Lower Upper

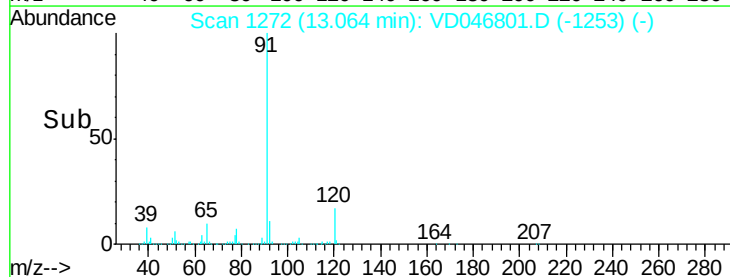
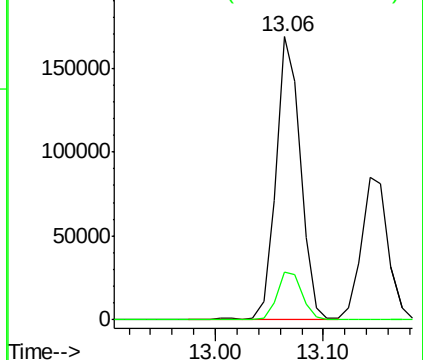
91 100

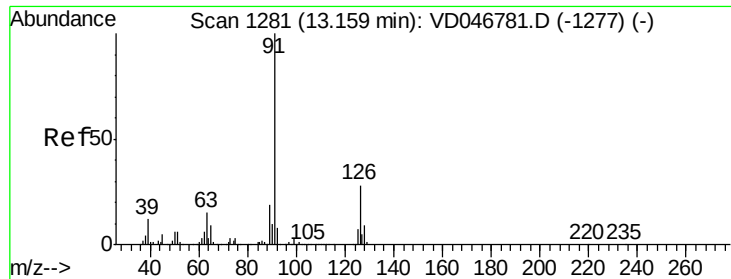
120 16.7 9.3 27.7



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 20.65 ug/l

RT: 13.14 min Scan# 1280

Delta R.T. -0.02 min

Lab File: VD046801.D

Acq: 21 Sep 2015 12:34

Instrument :

MSVOA_D

ClientSampleId :

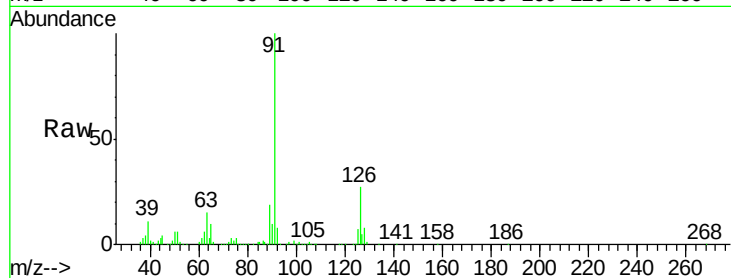
VD0921SBS01

Tot Ion: 91 Resp: 145395

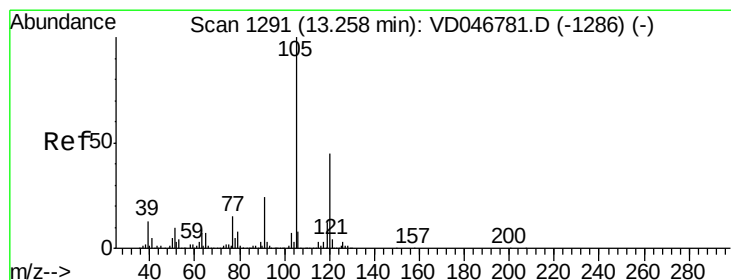
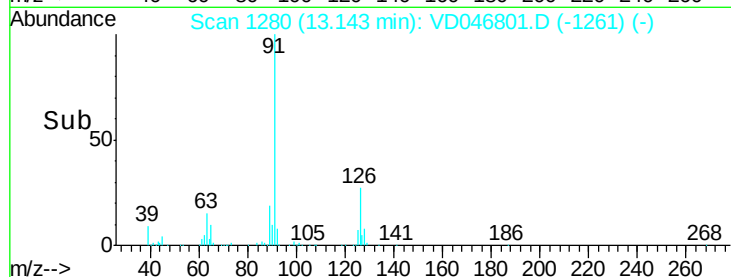
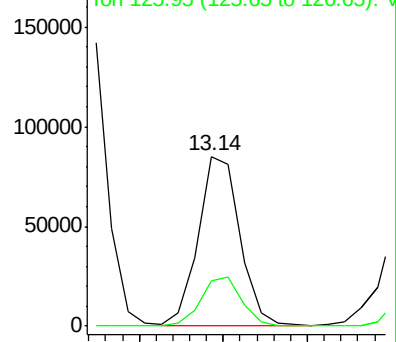
Ion Ratio Lower Upper

91 100

126 26.7 14.1 42.4



Abundance Ion 91.00 (90.70 to 91.70): V



#80

1,3,5-Trimethylbenzene

Concen: 20.74 ug/l

RT: 13.24 min Scan# 1290

Delta R.T. -0.02 min

Lab File: VD046801.D

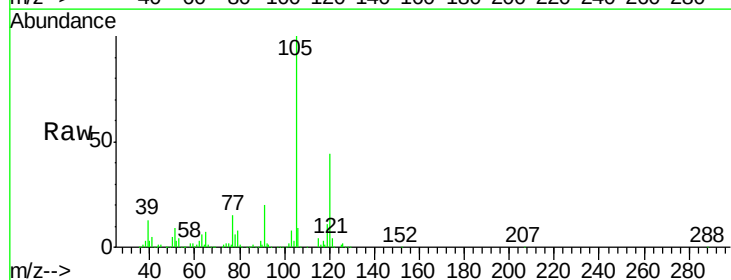
Acq: 21 Sep 2015 12:34

Tgt Ion: 105 Resp: 148433

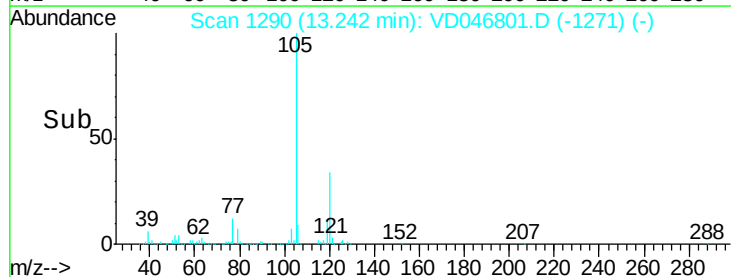
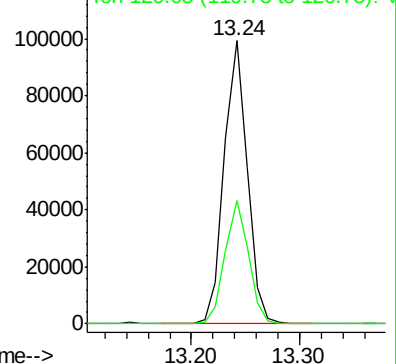
Ion Ratio Lower Upper

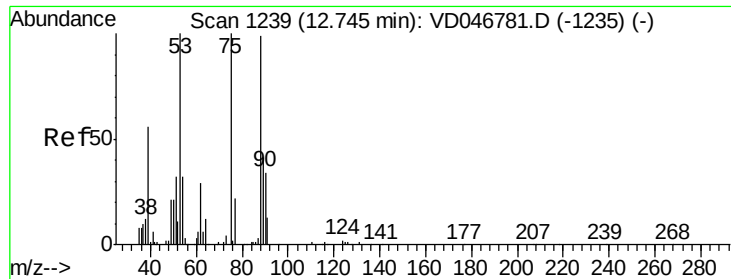
105 100

120 43.7 22.3 66.8



Abundance Ion 105.05 (104.75 to 105.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 18.94 ug/l

RT: 12.73 min Scan# 1238

Delta R.T. -0.02 min

Lab File: VD046801.D

Acq: 21 Sep 2015 12:34

Instrument :

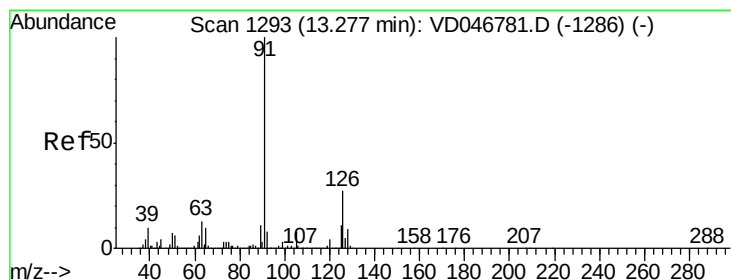
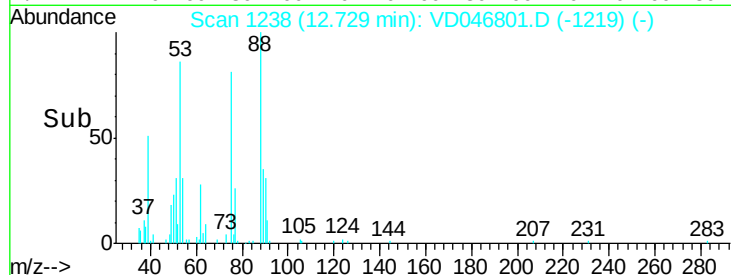
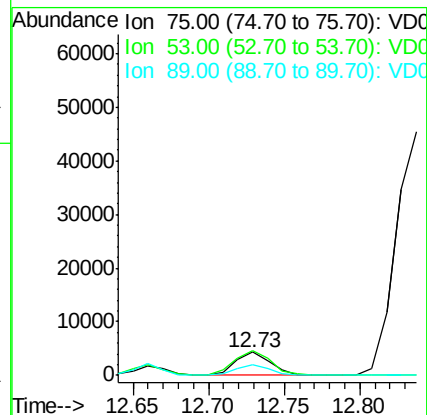
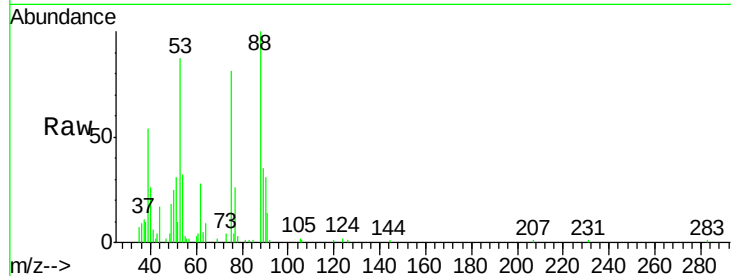
MSVOA_D

ClientSampleId :

VD0921SBS01

Tot Ion: 75 Resp: 7003

Ion	Ratio	Lower	Upper
75	100		
53	107.9	82.3	123.5
89	43.2	36.6	54.8



#82

4-Chlorotoluene

Concen: 21.04 ug/l

RT: 13.26 min Scan# 1292

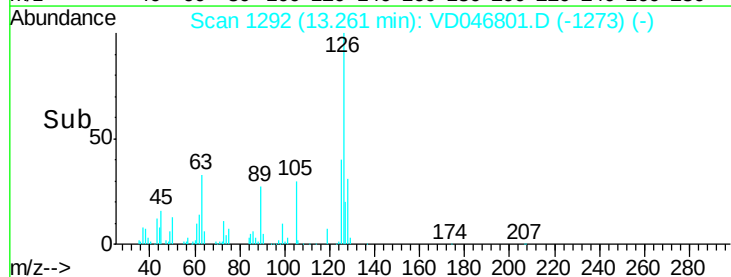
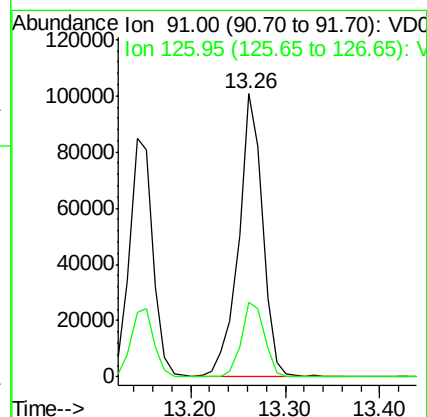
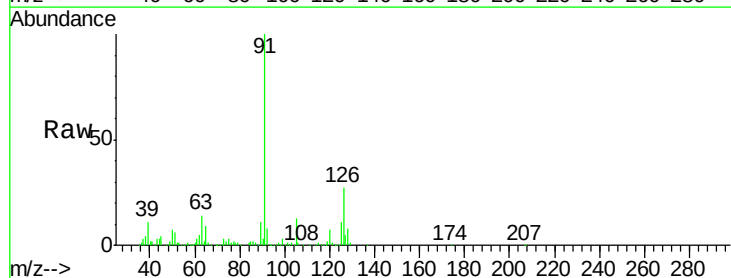
Delta R.T. -0.02 min

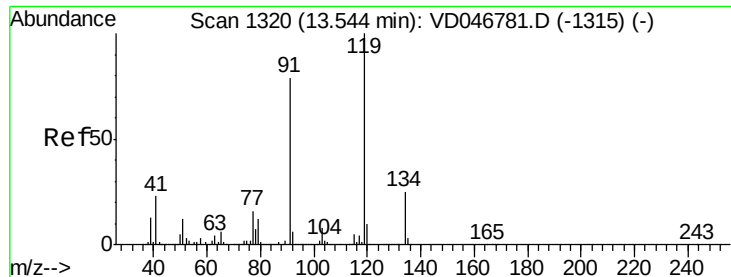
Lab File: VD046801.D

Acq: 21 Sep 2015 12:34

Tgt Ion: 91 Resp: 176334

Ion	Ratio	Lower	Upper
91	100		
126	26.6	14.1	42.4

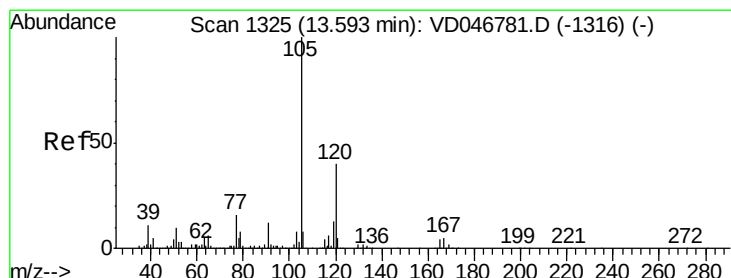
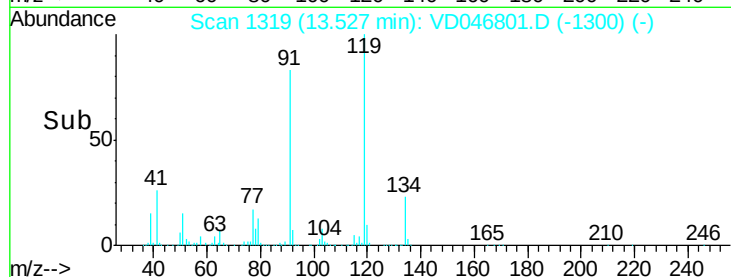
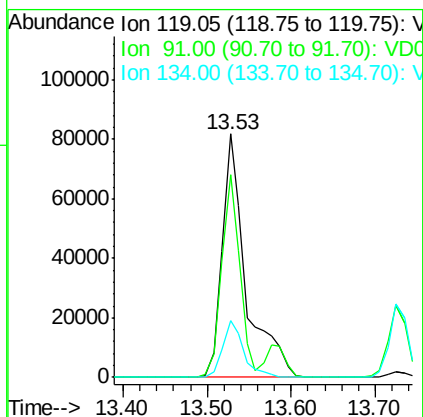
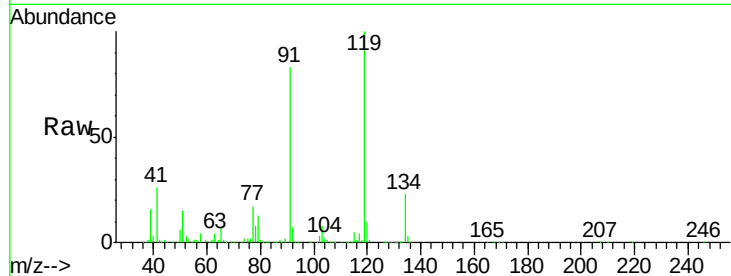




#83
 tert-Butylbenzene
 Concen: 25.02 ug/l
 RT: 13.53 min Scan# 1319
 Delta R.T. -0.02 min
 Lab File: VD046801.D
 Acq: 21 Sep 2015 12:34

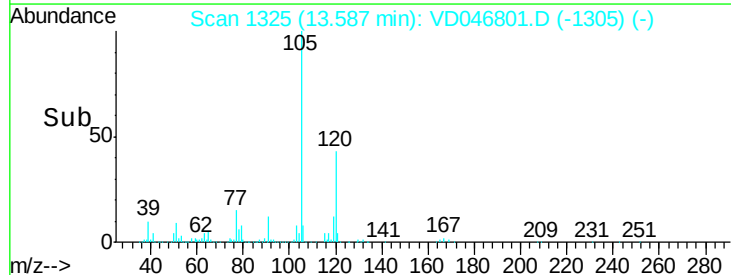
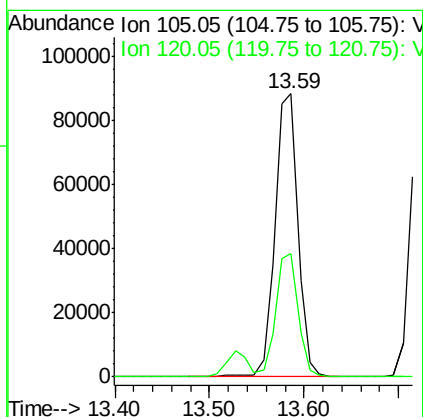
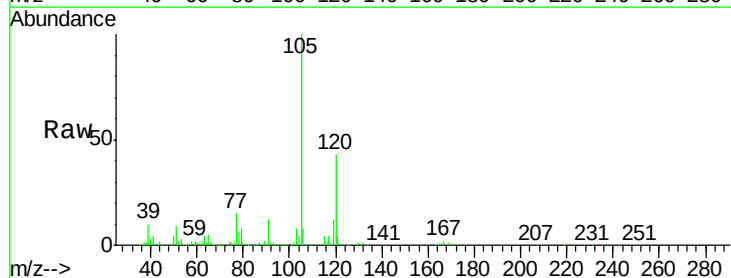
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0921SBS01

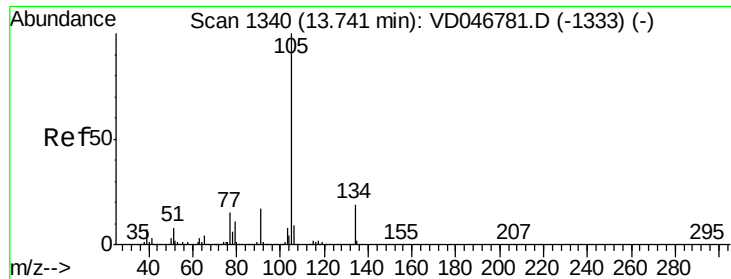
Tot Ion:119 Resp: 161449
 Ion Ratio Lower Upper
 119 100
 91 83.3 41.6 124.9
 134 23.4 12.4 37.4



#84
 1,2,4-Trimethylbenzene
 Concen: 20.69 ug/l
 RT: 13.59 min Scan# 1325
 Delta R.T. -0.01 min
 Lab File: VD046801.D
 Acq: 21 Sep 2015 12:34

Tgt Ion:105 Resp: 149063
 Ion Ratio Lower Upper
 105 100
 120 43.5 21.1 63.1





#85

sec-Butylbenzene

Concen: 21.33 ug/l

RT: 13.72 min Scan# 1339

Delta R.T. -0.02 min

Lab File: VD046801.D

Acq: 21 Sep 2015 12:34

Instrument :

MSVOA_D

ClientSampleId :

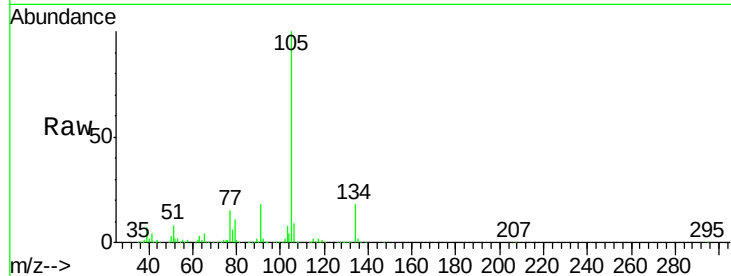
VD0921SBS01

Tot Ion:105 Resp: 202293

Ion Ratio Lower Upper

105 100

134 18.3 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

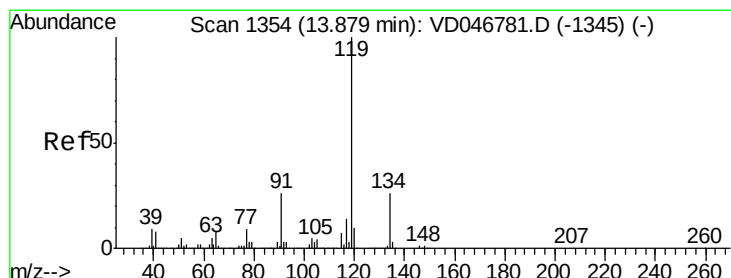
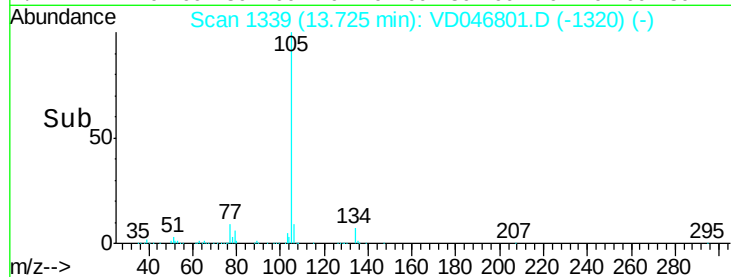
150000

100000

50000

0

Time--> 13.65 13.70 13.75 13.80



#86

p-Isopropyltoluene

Concen: 21.26 ug/l

RT: 13.86 min Scan# 1353

Delta R.T. -0.02 min

Lab File: VD046801.D

Acq: 21 Sep 2015 12:34

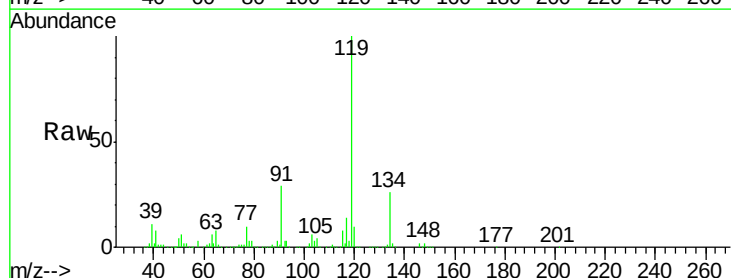
Tgt Ion:119 Resp: 158457

Ion Ratio Lower Upper

119 100

134 25.6 13.0 38.9

91 28.7 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

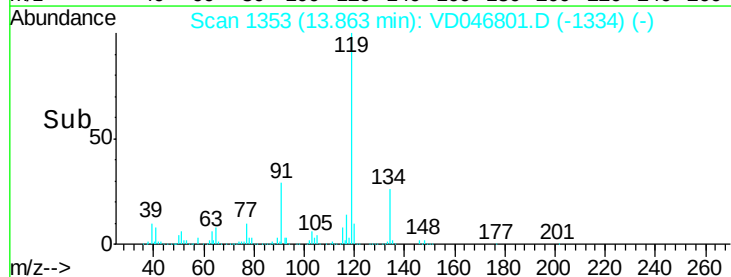
150000

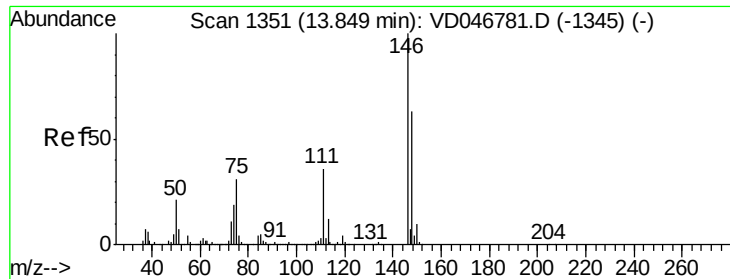
100000

50000

0

Time--> 13.70 13.80 13.90 14.00

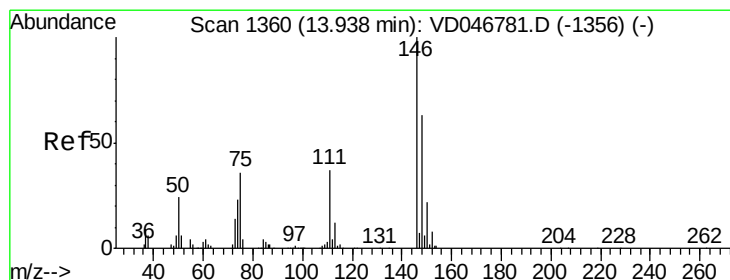
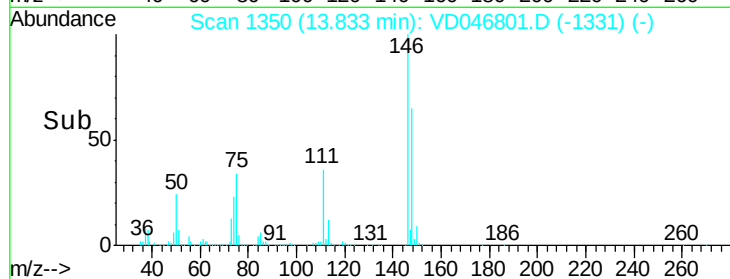
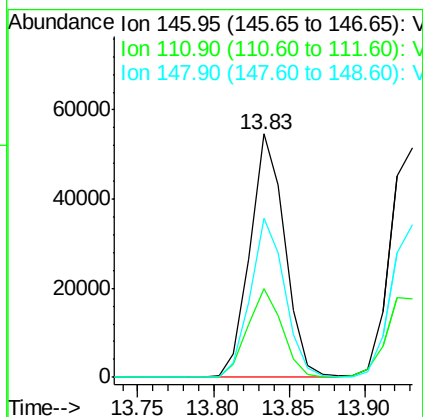
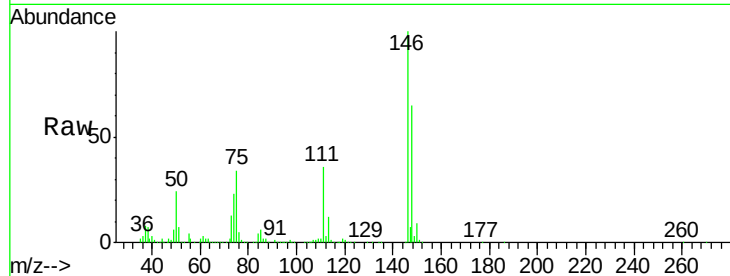




#87
 1,3-Dichlorobenzene
 Concen: 20.84 ug/l
 RT: 13.83 min Scan# 1350
 Delta R.T. -0.02 min
 Lab File: VD046801.D
 Acq: 21 Sep 2015 12:34

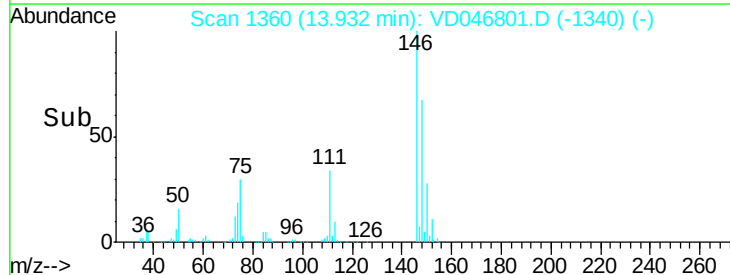
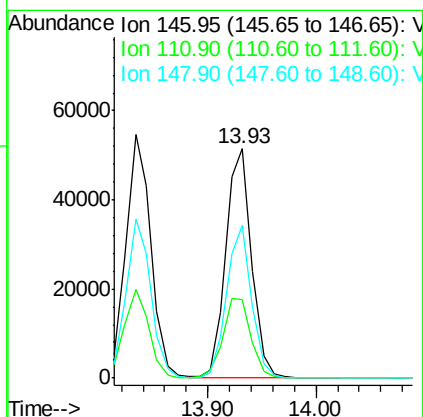
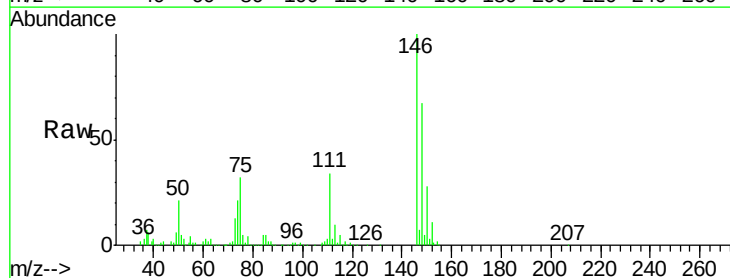
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0921SBSD01

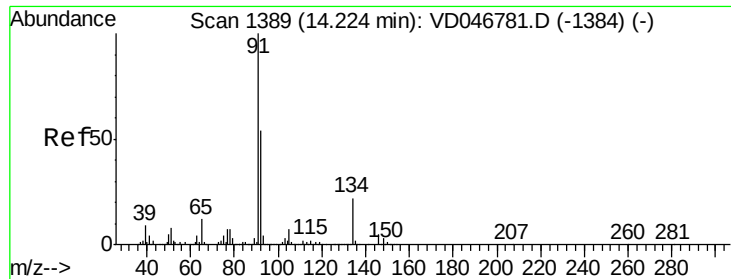
Tot Ion:146 Resp: 87821
 Ion Ratio Lower Upper
 146 100
 111 36.3 17.4 52.2
 148 65.5 33.0 99.0



#88
 1,4-Dichlorobenzene
 Concen: 20.38 ug/l
 RT: 13.93 min Scan# 1360
 Delta R.T. -0.01 min
 Lab File: VD046801.D
 Acq: 21 Sep 2015 12:34

Tgt Ion:146 Resp: 85416
 Ion Ratio Lower Upper
 146 100
 111 34.5 17.0 51.0
 148 66.7 31.9 95.7





#89

n-Butylbenzene

Concen: 21.88 ug/l

RT: 14.21 min Scan# 1388

Delta R.T. -0.02 min

Lab File: VD046801.D

Acq: 21 Sep 2015 12:34

Instrument :

MSVOA_D

ClientSampleId :

VD0921SBS01

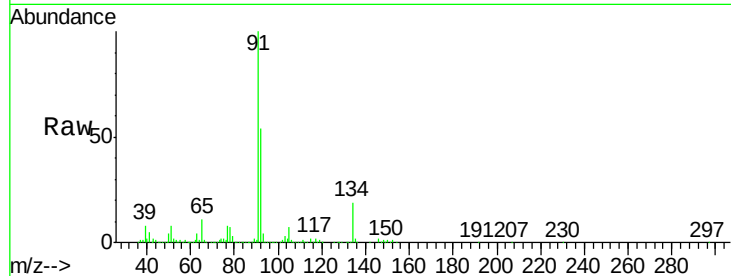
Tot Ion: 91 Resp: 184172

Ion Ratio Lower Upper

91 100

92 53.7 27.1 81.2

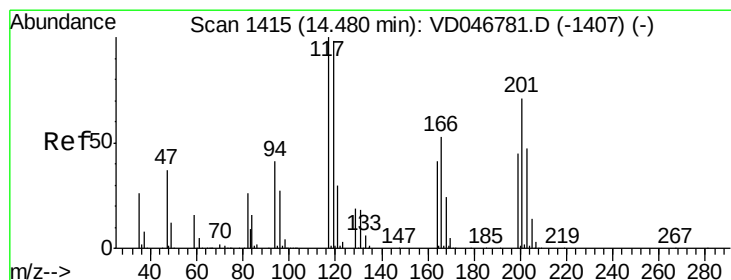
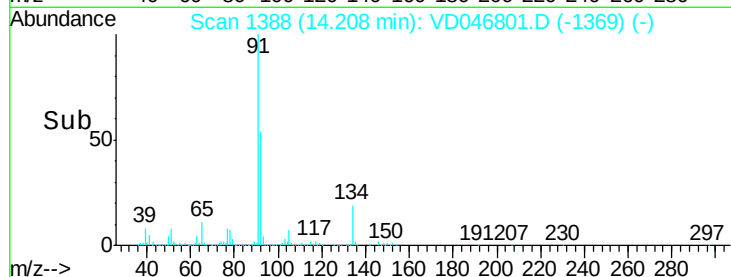
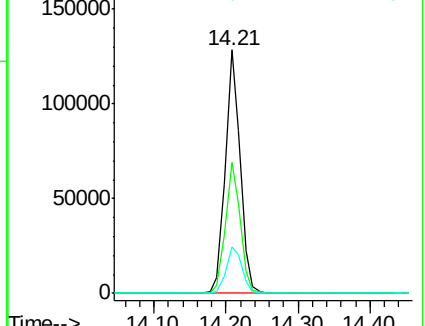
134 19.1 9.6 28.6



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 20.65 ug/l

RT: 14.47 min Scan# 1415

Delta R.T. -0.01 min

Lab File: VD046801.D

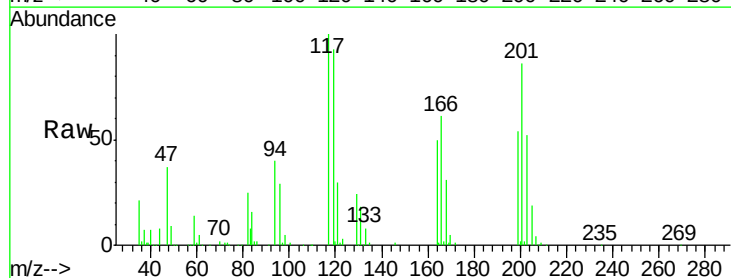
Acq: 21 Sep 2015 12:34

Tgt Ion: 117 Resp: 35692

Ion Ratio Lower Upper

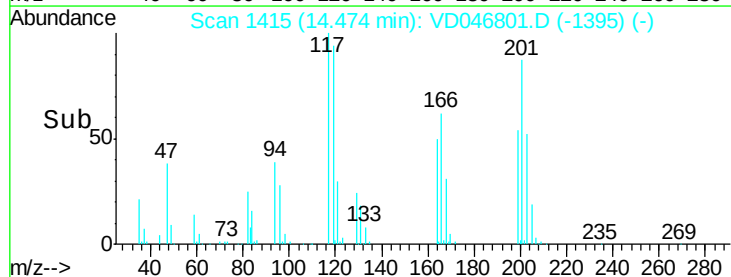
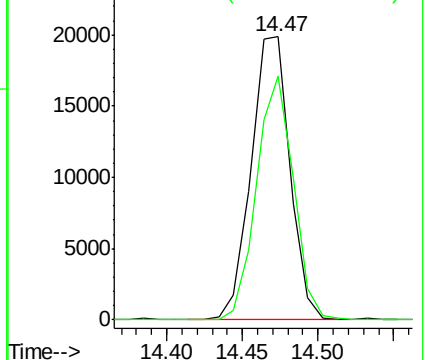
117 100

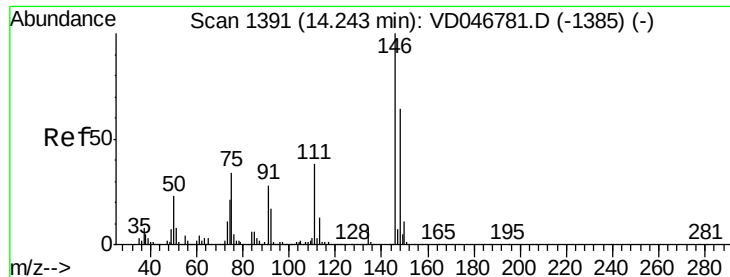
201 86.3 41.0 123.0



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V





#91

1,2-Dichlorobenzene

Concen: 20.57 ug/l

RT: 14.23 min Scan# 1390

Delta R.T. -0.02 min

Lab File: VD046801.D

Acq: 21 Sep 2015 12:34

Instrument :

MSVOA_D

ClientSampleId :

VD0921SBS01

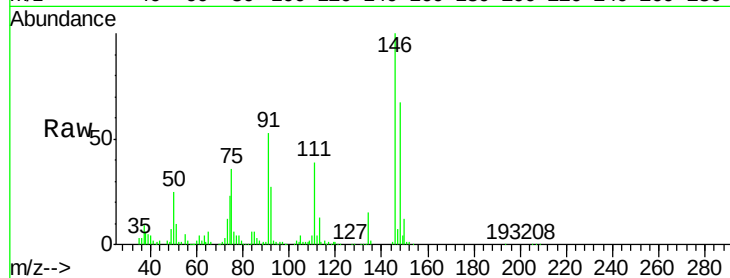
Tot Ion:146 Resp: 72799

Ion Ratio Lower Upper

146 100

111 39.4 18.2 54.6

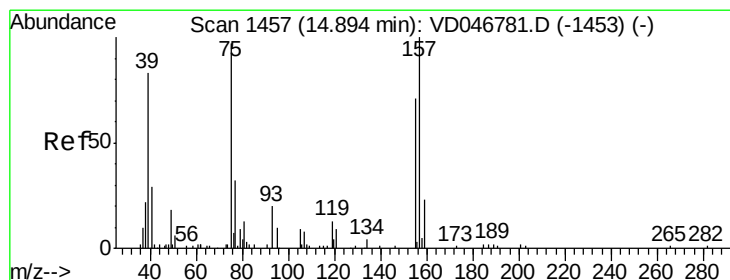
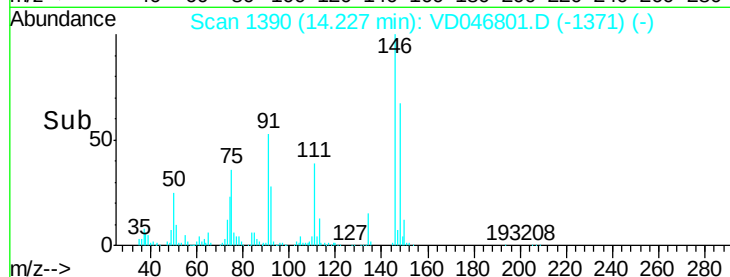
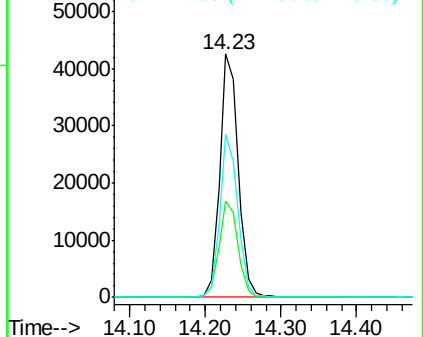
148 67.0 31.1 93.3



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.92 ug/l

RT: 14.88 min Scan# 1456

Delta R.T. -0.02 min

Lab File: VD046801.D

Acq: 21 Sep 2015 12:34

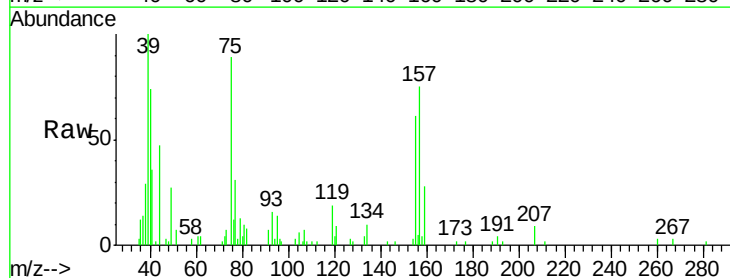
Tgt Ion: 75 Resp: 3711

Ion Ratio Lower Upper

75 100

155 68.7 41.4 124.4

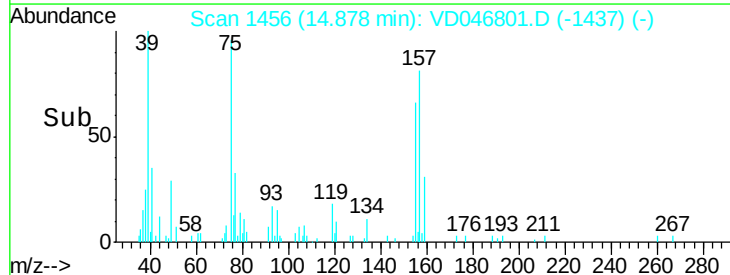
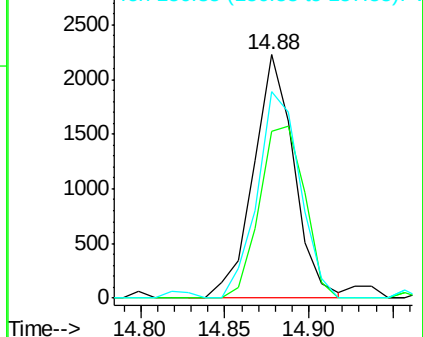
157 84.7 65.0 195.1

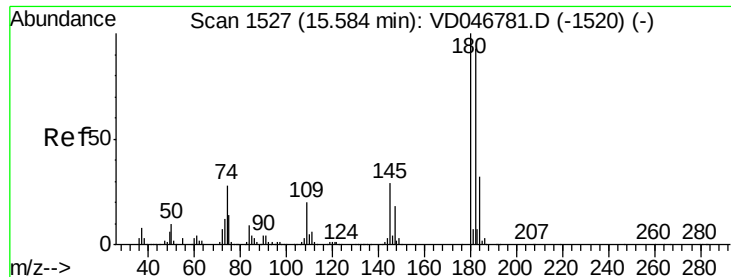


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

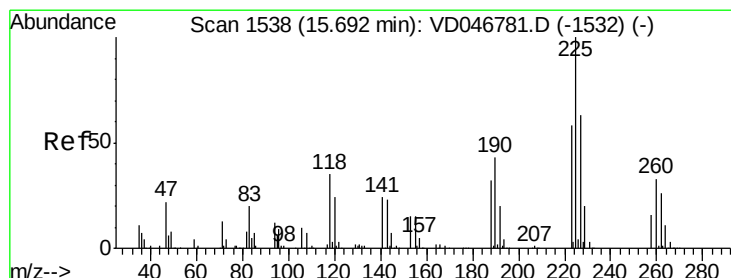
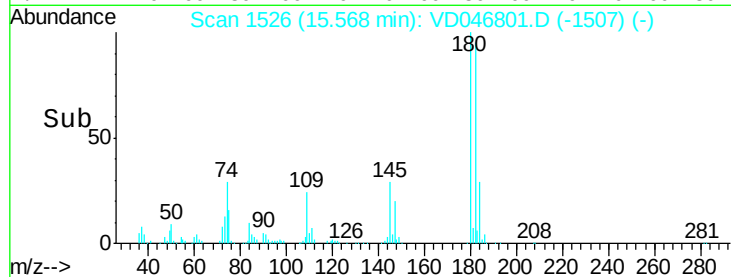
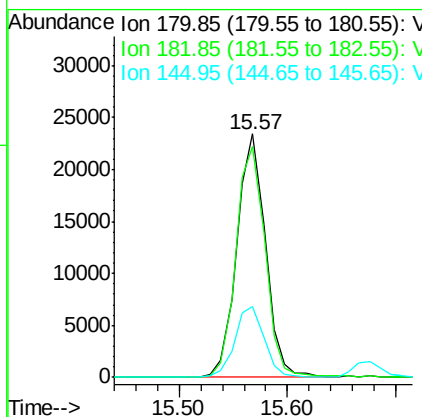
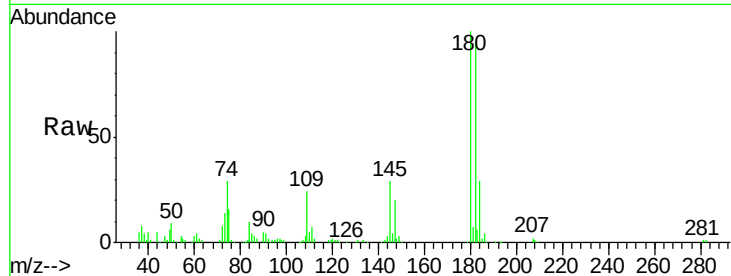




#93
 1,2,4-Trichlorobenzene
 Concen: 21.21 ug/l
 RT: 15.57 min Scan# 1526
 Delta R.T. -0.02 min
 Lab File: VD046801.D
 Acq: 21 Sep 2015 12:34

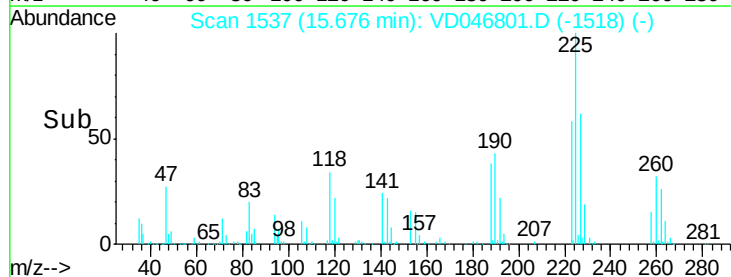
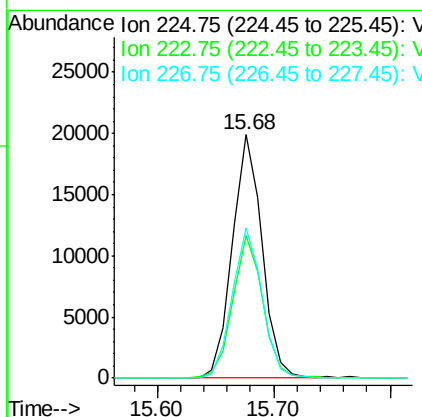
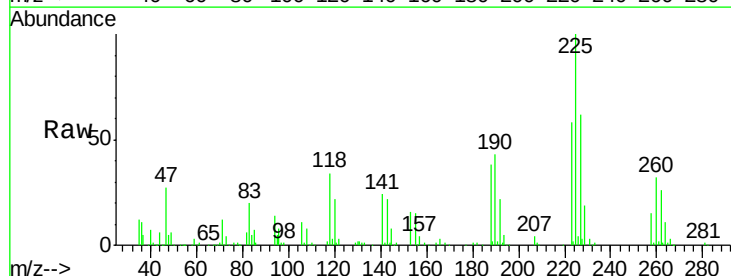
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0921SBS01

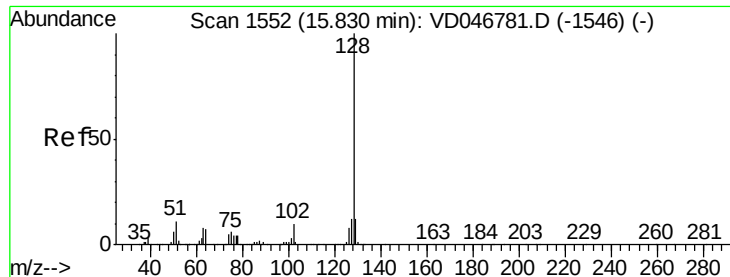
Tot Ion:180 Resp: 43237
 Ion Ratio Lower Upper
 180 100
 182 94.6 47.5 142.5
 145 29.2 14.6 44.0



#94
 Hexachlorobutadiene
 Concen: 20.93 ug/l
 RT: 15.68 min Scan# 1537
 Delta R.T. -0.02 min
 Lab File: VD046801.D
 Acq: 21 Sep 2015 12:34

Tgt Ion:225 Resp: 35113
 Ion Ratio Lower Upper
 225 100
 223 58.5 30.4 91.2
 227 61.5 31.3 93.9





#95

Naphthalene

Concen: 19.58 ug/l

RT: 15.81 min Scan# 1551

Delta R.T. -0.02 min

Lab File: VD046801.D

Acq: 21 Sep 2015 12:34

Instrument :

MSVOA_D

ClientSampleId :

VD0921SBSD01

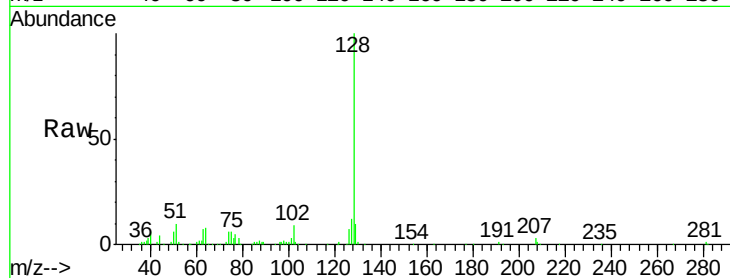
Tot Ion:128 Resp: 48732

Ion Ratio Lower Upper

128 100

127 12.5 9.8 14.6

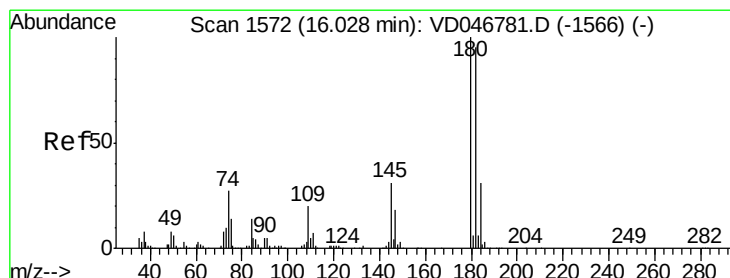
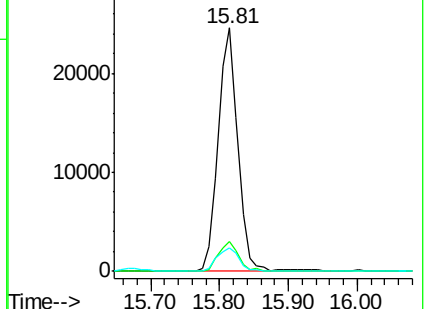
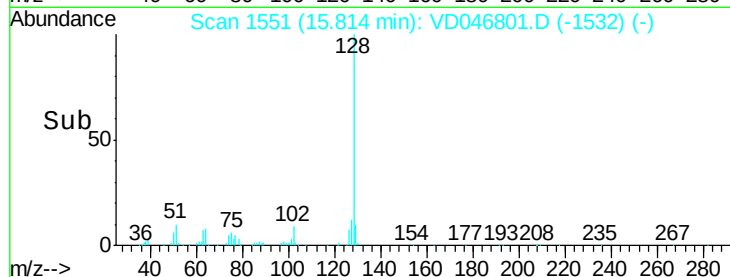
129 9.7 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 21.24 ug/l

RT: 16.01 min Scan# 1571

Delta R.T. -0.02 min

Lab File: VD046801.D

Acq: 21 Sep 2015 12:34

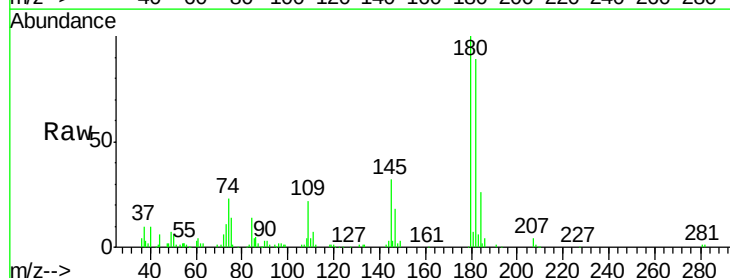
Tgt Ion:180 Resp: 36172

Ion Ratio Lower Upper

180 100

182 88.5 47.4 142.3

145 31.7 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

