

Data Path : W:\HPCHEM1\MSVOA D\DATA\VD091815\
 Data File : VD046787.D
 Acq On : 18 Sep 2015 17:27
 Operator : FY/SY
 Sample : VD0918SBS01
 Misc : 5.00µm/5mL/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 18 19:32:05 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	6.31	168	201635	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.44	114	256663	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.58	117	247071	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.92	152	130107	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.72	65	98629	47.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.10%	
35) Dibromofluoromethane	6.22	113	98888	49.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.48%	
50) Toluene-d8	9.63	98	324066	51.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.30%	
62) 4-Bromofluorobenzene	12.85	95	130637	51.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.43	85	43148	20.89	ug/l	94
3) Chlorodifluoromethane	1.44	51	35713	20.03	ug/l #	93
4) Chloromethane	1.58	50	24378	20.51	ug/l	99
5) Vinyl Chloride	1.68	62	23722	21.25	ug/l	99
6) Bromomethane	1.98	94	23917	22.48	ug/l	99
7) Chloroethane	2.09	64	13724	19.64	ug/l	98
8) Trichlorofluoromethane	2.33	101	66599	20.17	ug/l	97
9) Diethyl Ether	2.64	74	12207	20.85	ug/l	85
10) 1,1,2-Trichlorotrifluoroet	2.89	101	41820	20.24	ug/l	98
11) Methyl Iodide	3.05	142	38913	17.30	ug/l	97
12) Tert butyl alcohol	3.66	59	5793	25.31	ug/l #	74
13) 1,1-Dichloroethene	2.88	96	33225	20.57	ug/l	96
14) Acrolein	2.79	56	11454	106.95	ug/l	84
15) Allyl chloride	3.34	41	65872	20.08	ug/l	89
16) Acrylonitrile	3.85	53	25178	102.86	ug/l	98
17) Acetone	2.95	43	36472	102.96	ug/l	94
18) Carbon Disulfide	3.14	76	121398	20.06	ug/l	98
19) Methyl Acetate	3.35	43	43454	21.18	ug/l #	92
20) Methyl tert-butyl Ether	3.91	73	52943	20.92	ug/l	93
21) Methylene Chloride	3.52	84	41348	21.50	ug/l	93
22) trans-1,2-Dichloroethene	3.90	96	37925	20.82	ug/l	94
23) Diisopropyl ether	4.66	45	113156	20.78	ug/l #	93
24) Vinyl Acetate	4.61	43	113852	98.84	ug/l	100
25) 1,1-Dichloroethane	4.57	63	66675	19.88	ug/l	99
26) 2-Butanone	5.46	43	41522	104.30	ug/l	99
27) 2,2-Dichloropropane	5.44	77	67292	19.53	ug/l	99
28) cis-1,2-Dichloroethene	5.44	96	40054	21.12	ug/l	89
29) Bromochloromethane	5.80	49	27904	21.11	ug/l	88
30) Chloroform	5.98	83	82724	20.33	ug/l	100
31) Cyclohexane	6.29	56	62551	19.88	ug/l	88
32) 1,1,1-Trichloroethane	6.19	97	71958	19.86	ug/l	99
36) 1,1-Dichloropropene	6.44	75	60708	20.24	ug/l	98
37) Ethyl Acetate	5.56	43	20548	21.33	ug/l #	94
38) Carbon Tetrachloride	6.42	117	62344	20.00	ug/l	96

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 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
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Quant Time: Sep 18 19:32:05 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	8.09	83	61467	20.22	µg/l	97
40) Benzene	6.73	78	154934	20.23	µg/l	94
41) Methacrylonitrile	5.76	41	10725	19.85	µg/l #	91
42) 1,2-Dichloroethane	6.84	62	49403	20.77	µg/l	96
43) Isopropyl Acetate	8.42	43	26593	20.94	µg/l #	97
44) Trichloroethene	7.75	130	39234	20.47	µg/l	100
45) 1,2-Dichloropropane	8.15	63	37944	20.00	µg/l	94
46) Dibromomethane	8.28	93	22061	20.48	µg/l	94
47) Bromodichloromethane	8.57	83	58454	20.68	µg/l	99
48) Methyl methacrylate	8.09	41	39453	20.32	µg/l	90
49) 1,4-Dioxane	8.31	88	2957	411.66	µg/l	99
51) 4-Methyl-2-Pentanone	9.49	43	95559	104.13	µg/l	94
52) Toluene	9.73	92	100096	21.19	µg/l	98
53) t-1,3-Dichloropropene	10.13	75	43851	21.01	µg/l	94
54) cis-1,3-Dichloropropene	9.24	75	56615	21.06	µg/l	96
55) 1,1,2-Trichloroethane	10.41	97	25677	21.00	µg/l	97
56) Ethyl methacrylate	10.25	69	21106	19.22	µg/l	99
57) 1,3-Dichloropropane	10.61	76	45893	20.18	µg/l	93
58) 2-Chloroethyl Vinyl ether	9.04	63	59478	102.47	µg/l	98
59) 2-Hexanone	10.71	43	69965	105.52	µg/l	95
60) Dibromochloromethane	10.89	129	33723	20.09	µg/l	99
61) 1,2-Dibromoethane	11.03	107	24572	20.35	µg/l	95
64) Tetrachloroethene	10.47	164	39477	19.79	µg/l	96
65) Chlorobenzene	11.61	112	103487	19.90	µg/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	37341	19.55	µg/l	98
67) Ethyl Benzene	11.74	91	212649	20.35	µg/l	99
68) m/p-Xylenes	11.88	106	135823	41.22	µg/l	92
69) o-Xylene	12.30	106	60776	20.49	µg/l	97
70) Styrene	12.32	104	110712	21.53	µg/l	96
71) Bromoform	12.51	173	20176	19.83	µg/l #	96
73) Isopropylbenzene	12.67	105	187568	20.45	µg/l	98
74) N-amyl acetate	12.51	43	39089	20.06	µg/l	99
75) 1,1,2,2-Tetrachloroethane	12.99	83	30686	20.73	µg/l	94
76) 1,2,3-Trichloropropane	13.04	75	31797	20.08	µg/l	98
77) Bromobenzene	12.98	156	46772	20.28	µg/l	83
78) n-propylbenzene	13.08	91	269294	20.79	µg/l	96
79) 2-Chlorotoluene	13.17	91	147722	20.54	µg/l	100
80) 1,3,5-Trimethylbenzene	13.25	105	154721	21.17	µg/l	97
81) trans-1,4-Dichloro-2-buten	12.74	75	7825	20.37	µg/l #	85
82) 4-Chlorotoluene	13.27	91	176773	20.65	µg/l	94
83) tert-Butylbenzene	13.54	119	161538	24.51	µg/l	100
84) 1,2,4-Trimethylbenzene	13.59	105	151171	20.55	µg/l	96
85) sec-Butylbenzene	13.74	105	202848	20.94	µg/l	95
86) p-Isopropyltoluene	13.88	119	161898	21.27	µg/l	99
87) 1,3-Dichlorobenzene	13.85	146	86561	20.12	µg/l	97
88) 1,4-Dichlorobenzene	13.94	146	88348	20.65	µg/l	99
89) n-Butylbenzene	14.22	91	178925	20.82	µg/l	96
90) Hexachloroethane	14.49	117	34670	19.64	µg/l	94
91) 1,2-Dichlorobenzene	14.24	146	74631	20.64	µg/l	92
92) 1,2-Dibromo-3-Chloropropan	14.89	75	3814	20.05	µg/l	88

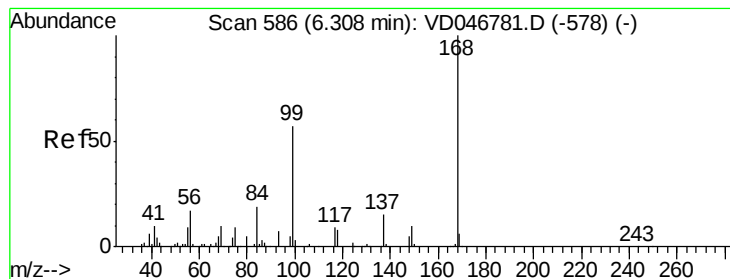
Data Path : W:\HPCHEM1\MSVOA D\DATA\VD091815\
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QLast Update : Fri Sep 18 15:47:18 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.58	180	44548	21.40	µg/l	94
94) Hexachlorobutadiene	15.69	225	34200	19.96	µg/l	93
95) Naphthalene	15.83	128	52643	20.58	µg/l	98
96) 1,2,3-Trichlorobenzene	16.02	180	36311	20.88	µg/l	96

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 6.31 min Scan# 587

Delta R.T. 0.01 min

Lab File: VD046787.D

Acq: 18 Sep 2015 17:27

Instrument :

MSVOA_D

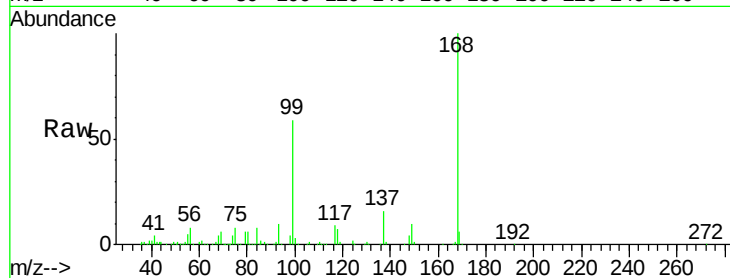
ClientSampleId :

Tot Ion:168 Resp: 201635

Ion Ratio Lower Upper

168 100

99 59.2 42.4 63.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.31

80000

60000

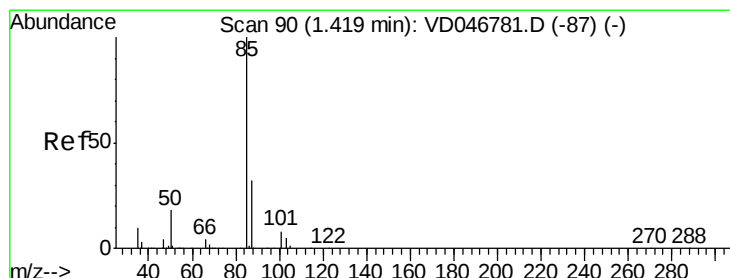
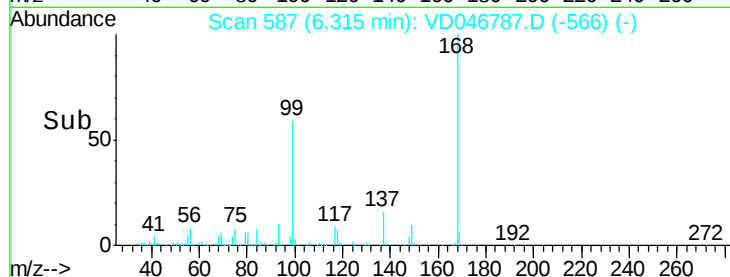
40000

20000

0

6.20 6.30 6.40 6.50

Time-->



#2

Dichlorodifluoromethane

Concen: 20.89 ug/l

RT: 1.43 min Scan# 91

Delta R.T. 0.01 min

Lab File: VD046787.D

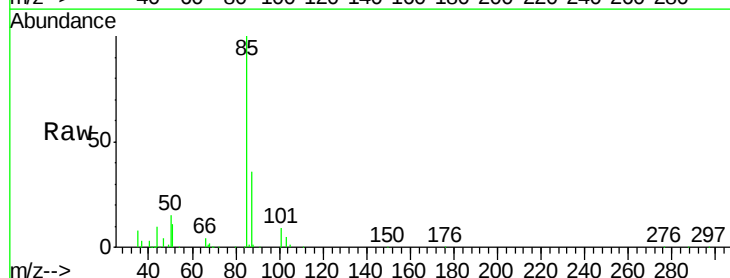
Acq: 18 Sep 2015 17:27

Tgt Ion: 85 Resp: 43148

Ion Ratio Lower Upper

85 100

87 35.8 16.2 48.5



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.43

40000

30000

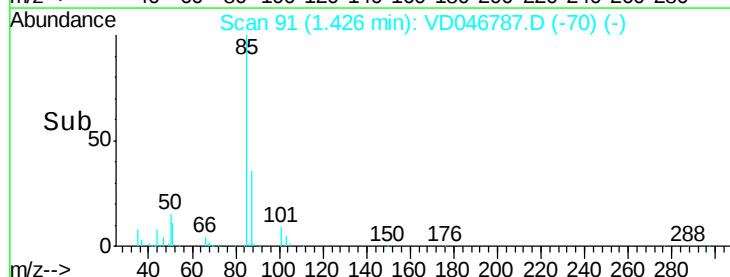
20000

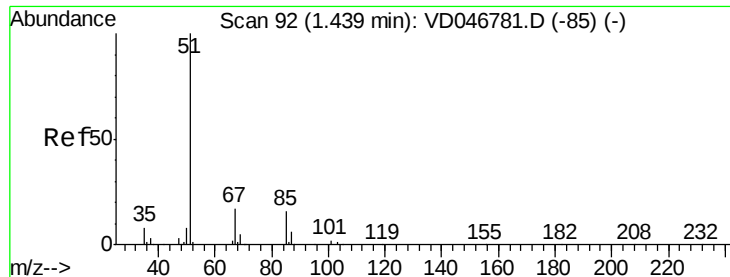
10000

0

1.40 1.50

Time-->





#3

Chlorodifluoromethane

Concen: 20.03 ug/l

RT: 1.44 min Scan# 92

Delta R.T. -0.00 min

Lab File: VD046787.D

Acq: 18 Sep 2015 17:27

Instrument :

MSVOA_D

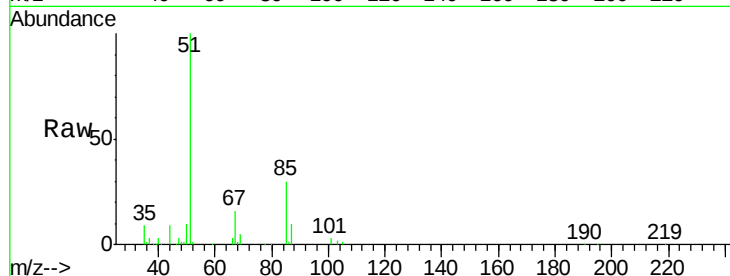
ClientSampleId :

Tot Ion: 51 Resp: 35713

Ion Ratio Lower Upper

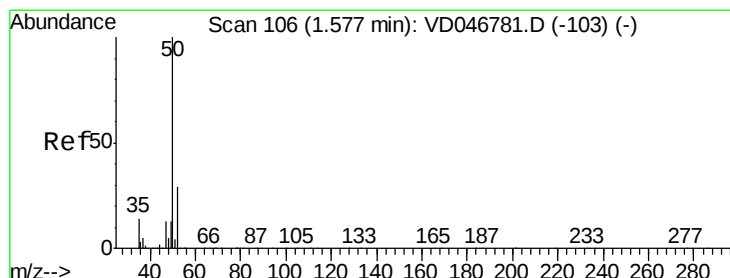
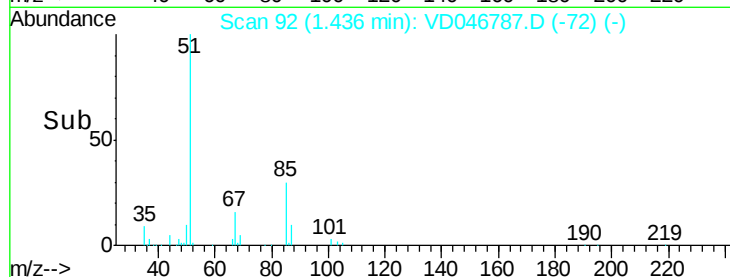
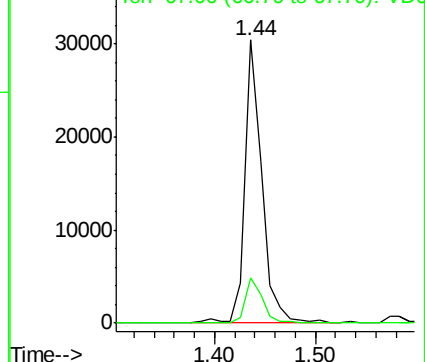
51 100

67 16.4 10.9 16.3#



Abundance Ion 51.00 (50.70 to 51.70): VDC

Ion 67.00 (66.70 to 67.70): VDC



#4

Chloromethane

Concen: 20.51 ug/l

RT: 1.58 min Scan# 107

Delta R.T. 0.01 min

Lab File: VD046787.D

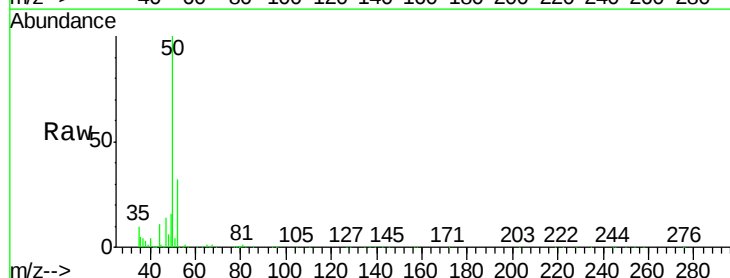
Acq: 18 Sep 2015 17:27

Tgt Ion: 50 Resp: 24378

Ion Ratio Lower Upper

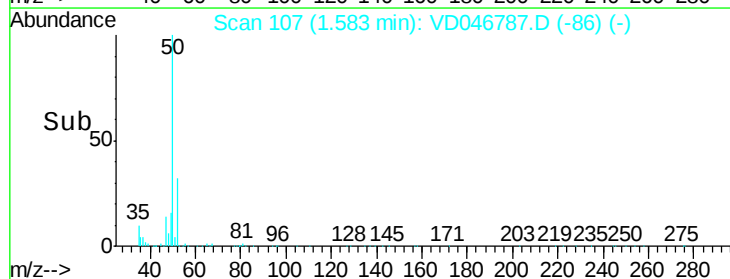
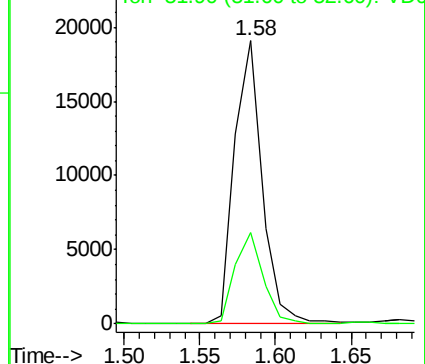
50 100

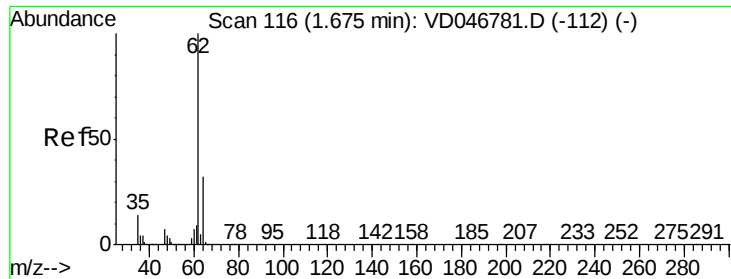
52 32.3 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC





#5

Vinyl Chloride

Concen: 21.25 ug/l

RT: 1.68 min Scan# 117

Delta R.T. 0.01 min

Lab File: VD046787.D

Acq: 18 Sep 2015 17:27

Instrument :

MSVOA_D

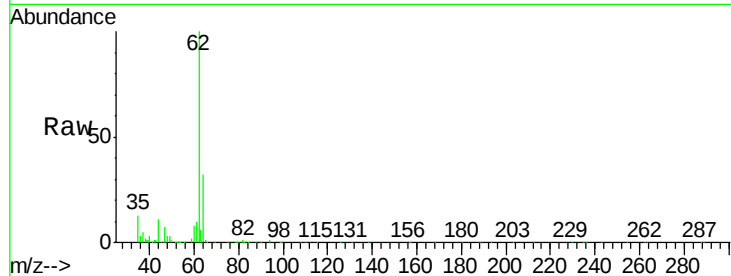
ClientSampled :

Tot Ion: 62 Resp: 23722

Ion Ratio Lower Upper

62 100

64 32.5 26.4 39.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.68

25000

20000

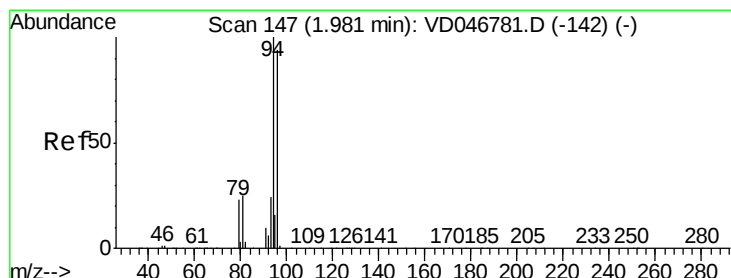
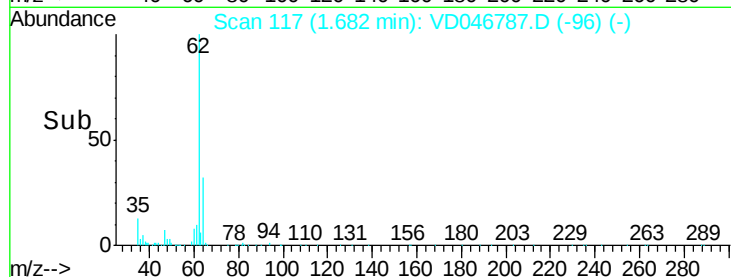
15000

10000

5000

0

Time-->



#6

Bromomethane

Concen: 22.48 ug/l

RT: 1.98 min Scan# 147

Delta R.T. -0.00 min

Lab File: VD046787.D

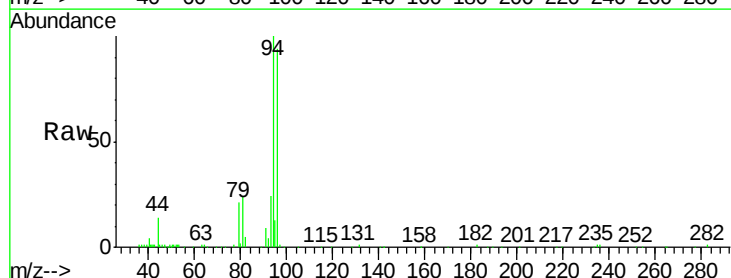
Acq: 18 Sep 2015 17:27

Tgt Ion: 94 Resp: 23917

Ion Ratio Lower Upper

94 100

96 93.9 76.0 114.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

1.98

20000

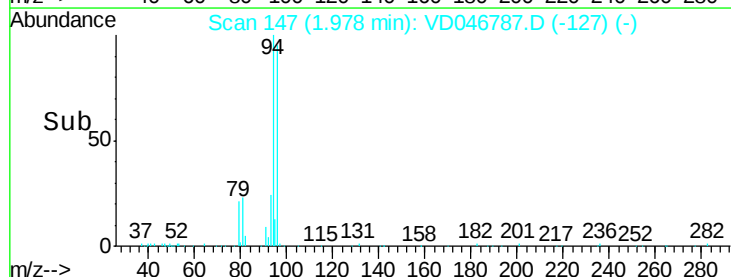
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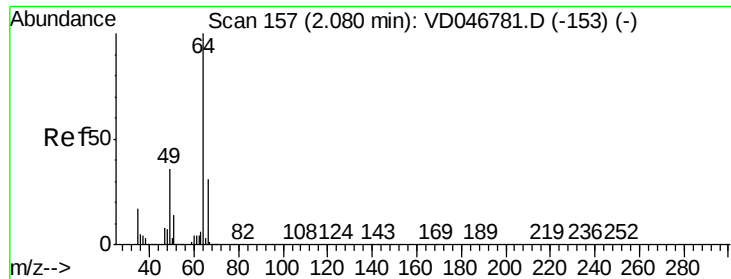
10000

5000

0

Time-->





#7

Chloroethane

Concen: 19.64 ug/l

RT: 2.09 min Scan# 158

Delta R.T. 0.01 min

Lab File: VD046787.D

Acq: 18 Sep 2015 17:27

Instrument :

MSVOA_D

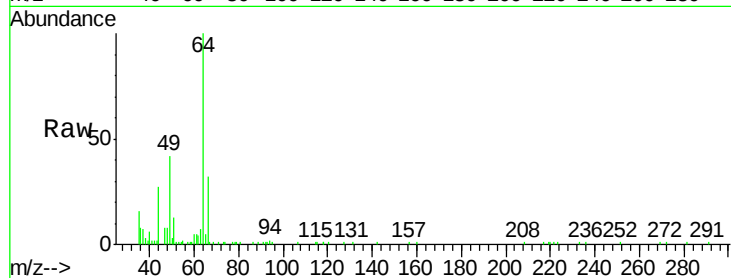
ClientSampleId :

Tot Ion: 64 Resp: 13724

Ion Ratio Lower Upper

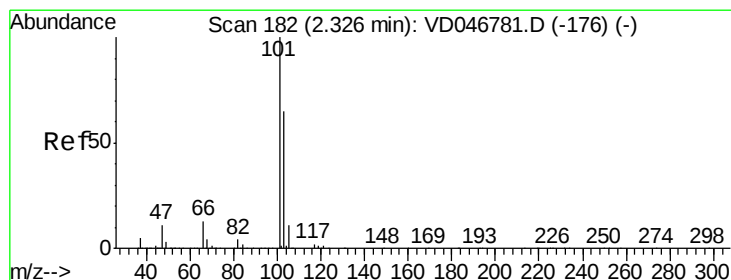
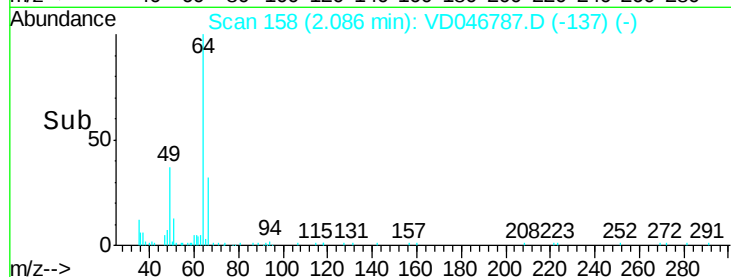
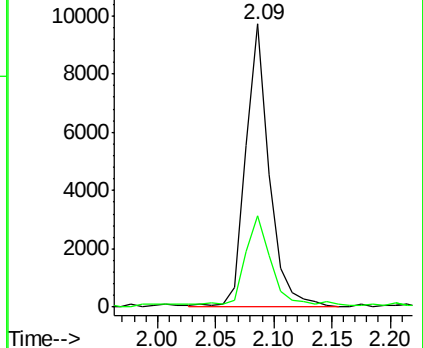
64 100

66 32.1 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: 20.17 ug/l

RT: 2.33 min Scan# 183

Delta R.T. 0.01 min

Lab File: VD046787.D

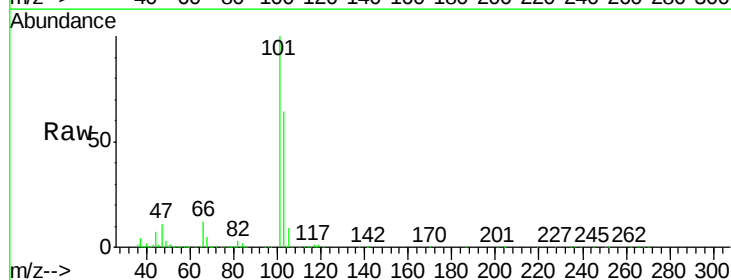
Acq: 18 Sep 2015 17:27

Tgt Ion: 101 Resp: 66599

Ion Ratio Lower Upper

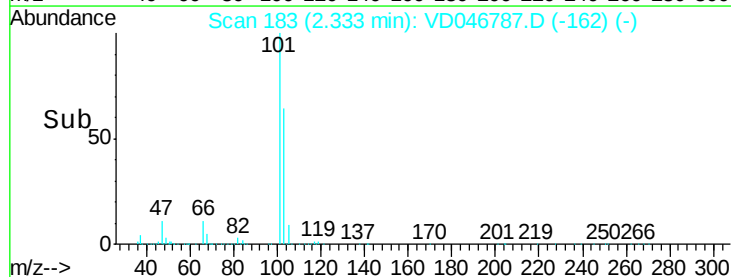
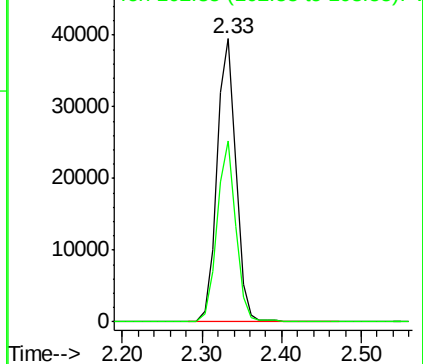
101 100

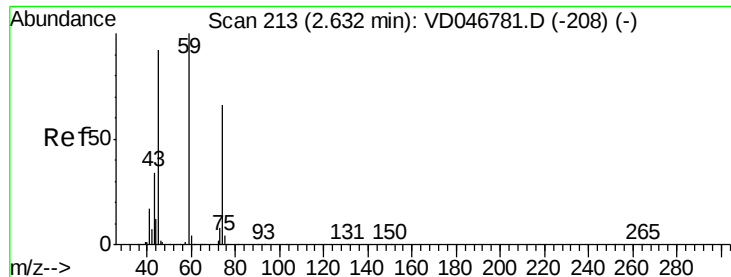
103 64.1 53.2 79.8



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V





#9

Diethyl Ether

Concen: 20.85 ug/l

RT: 2.64 min Scan# 214

Delta R.T. 0.01 min

Lab File: VD046787.D

Acq: 18 Sep 2015 17:27

Instrument :

MSVOA_D

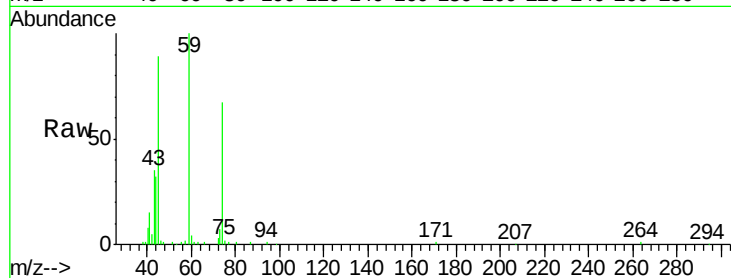
ClientSampled :

Tot Ion: 74 Resp: 12207

Ion Ratio Lower Upper

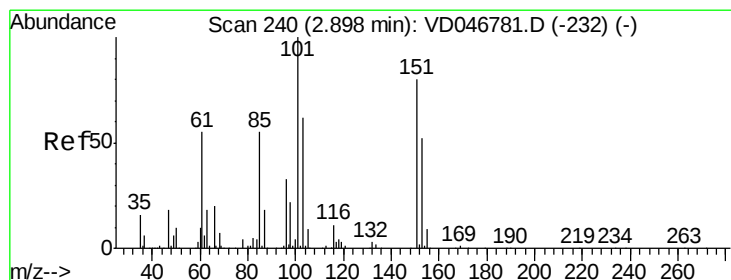
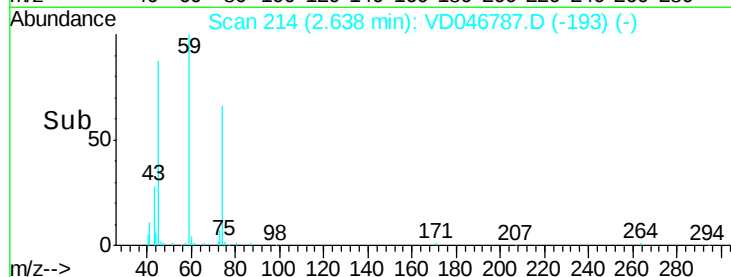
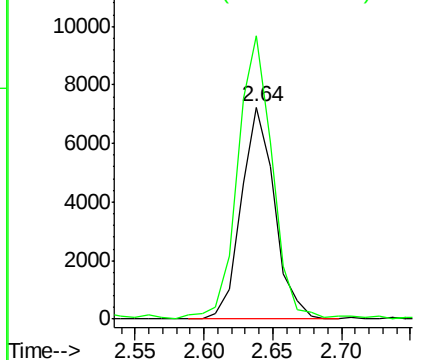
74 100

45 133.4 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: 20.24 ug/l

RT: 2.89 min Scan# 240

Delta R.T. -0.00 min

Lab File: VD046787.D

Acq: 18 Sep 2015 17:27

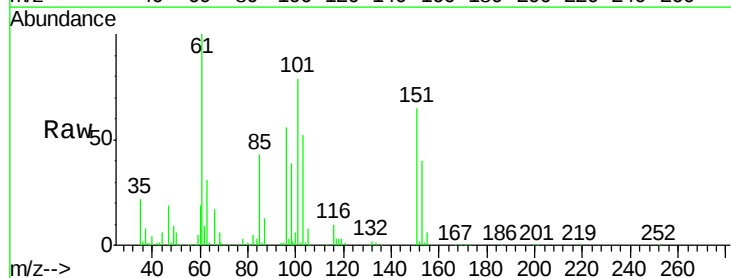
Tgt Ion:101 Resp: 41820

Ion Ratio Lower Upper

101 100

85 54.3 42.0 63.0

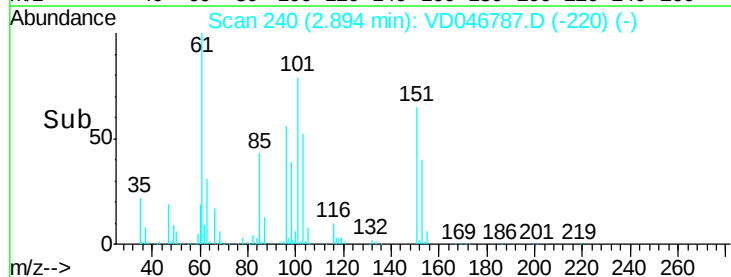
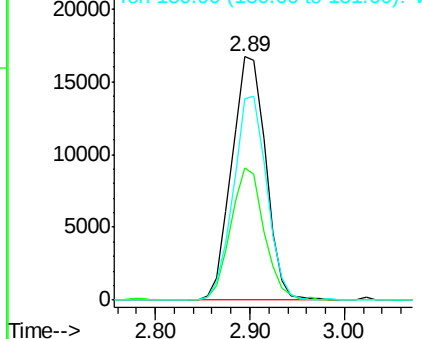
151 82.5 65.2 97.8

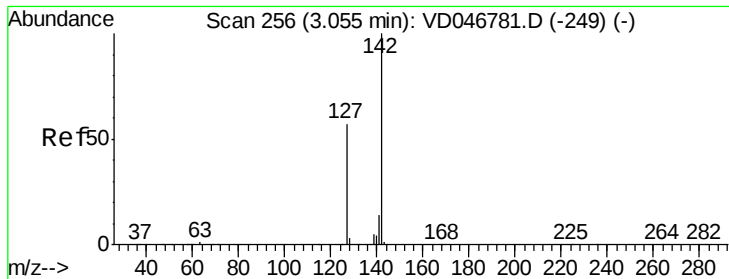


Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): VDC

Ion 150.90 (150.60 to 151.60): V

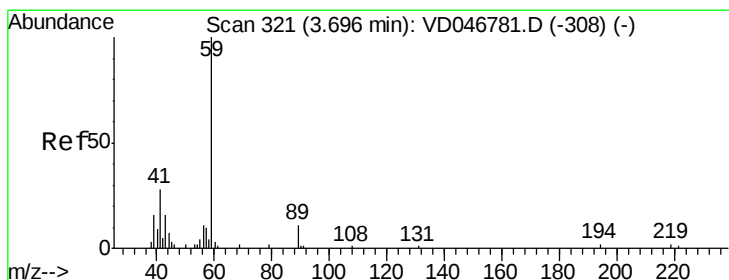
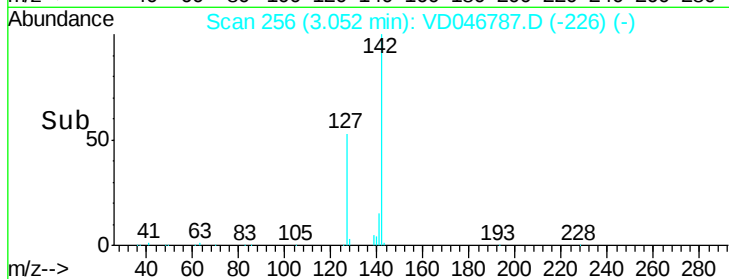
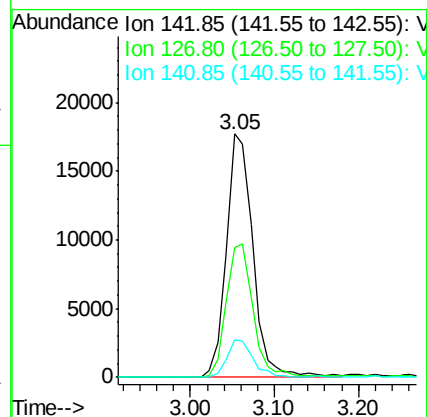
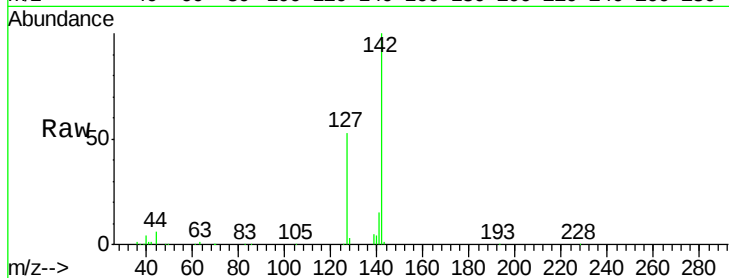




#11
Methvl Iodide
Concen: 17.30 ug/l
RT: 3.05 min Scan# 256
Delta R.T. -0.00 min
Lab File: VD046787.D
Acq: 18 Sep 2015 17:27

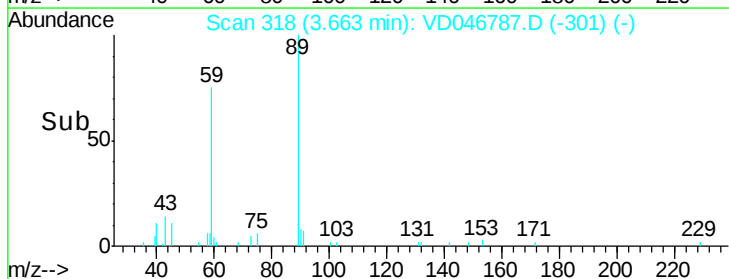
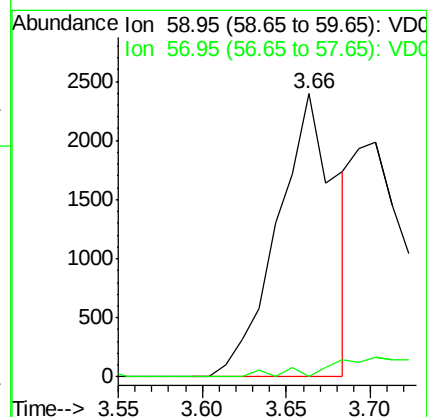
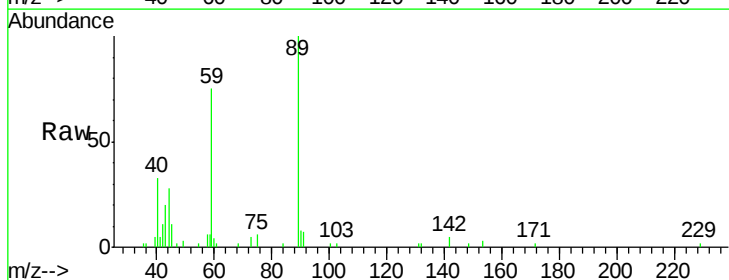
Instrument :
MSVOA_D
ClientSampleId :

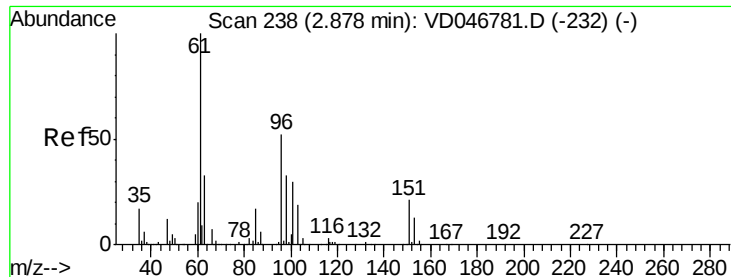
Tot Ion:142 Resp: 38913
Ion Ratio Lower Upper
142 100
127 53.4 41.2 61.8
141 15.4 11.6 17.4



#12
Tert butyl alcohol
Concen: 25.31 ug/l
RT: 3.66 min Scan# 318
Delta R.T. -0.03 min
Lab File: VD046787.D
Acq: 18 Sep 2015 17:27

Tgt Ion: 59 Resp: 5793
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#





#13

1,1-Dichloroethene

Concen: 20.57 ug/l

RT: 2.88 min Scan# 239

Delta R.T. 0.01 min

Lab File: VD046787.D

Acq: 18 Sep 2015 17:27

Instrument :

MSVOA_D

ClientSampled :

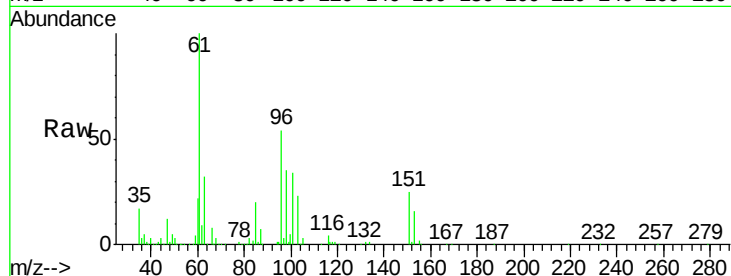
Tot Ion: 96 Resp: 33225

Ion Ratio Lower Upper

96 100

61 183.6 152.2 228.4

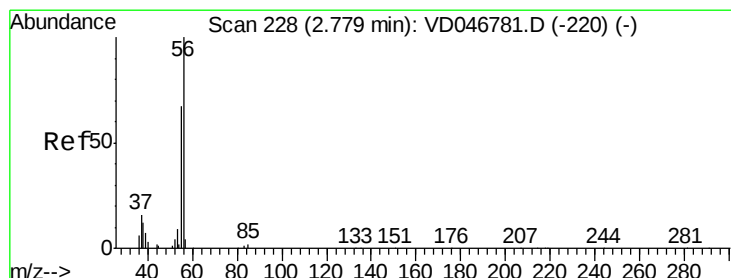
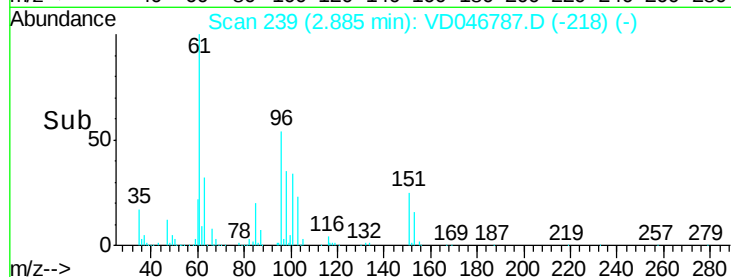
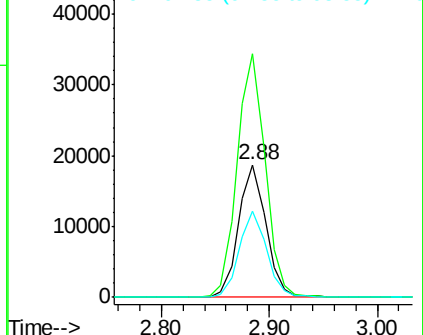
98 64.8 51.2 76.8



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#14

Acrolein

Concen: 106.95 ug/l

RT: 2.79 min Scan# 229

Delta R.T. 0.01 min

Lab File: VD046787.D

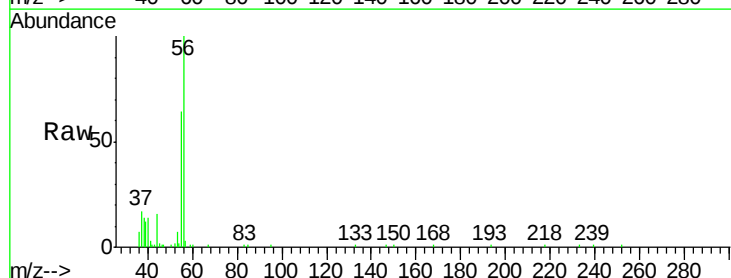
Acq: 18 Sep 2015 17:27

Tgt Ion: 56 Resp: 11454

Ion Ratio Lower Upper

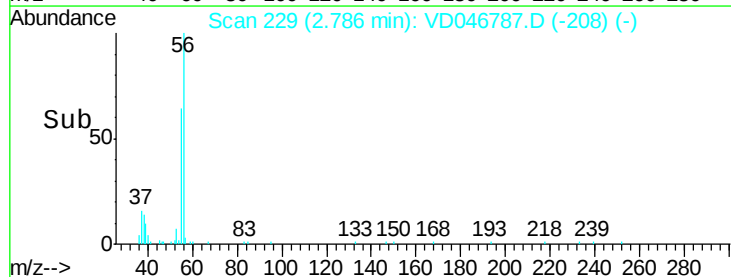
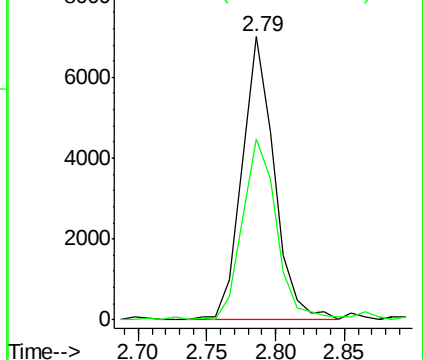
56 100

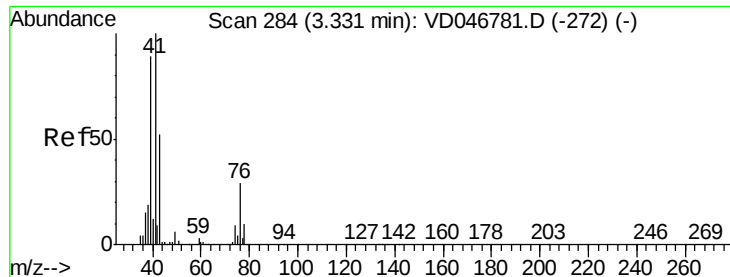
55 64.1 62.6 93.8



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

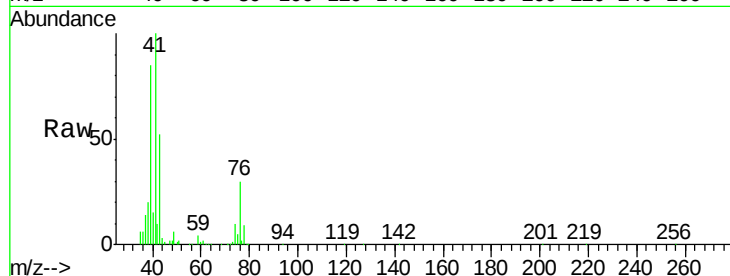




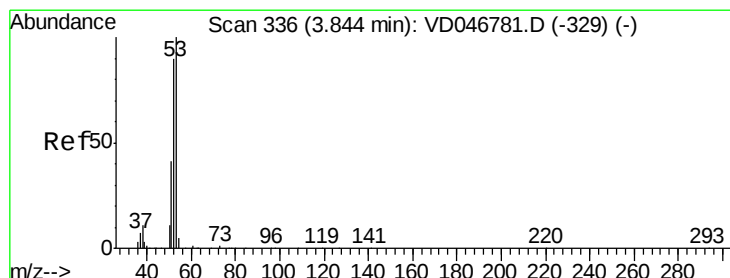
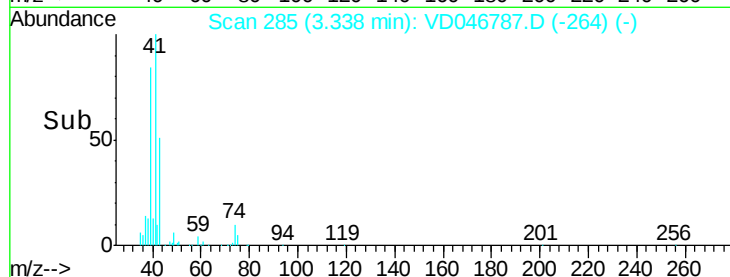
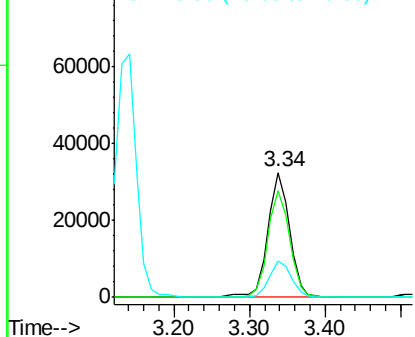
#15
Allvl chloride
Concen: 20.08 ug/l
RT: 3.34 min Scan# 285
Delta R.T. 0.01 min
Lab File: VD046787.D
Acq: 18 Sep 2015 17:27

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 41 Resp: 65872
Ion Ratio Lower Upper
41 100
39 85.2 58.8 88.2
76 29.5 22.7 34.1

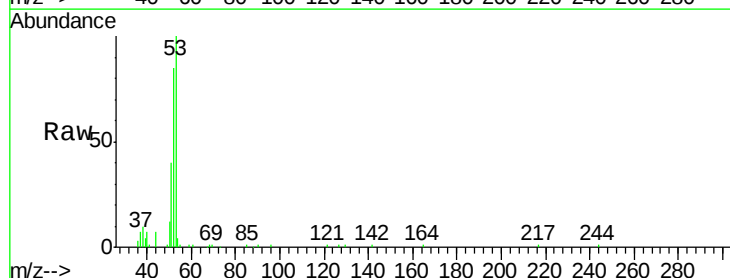


Abundance Ion 41.05 (40.75 to 41.75): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 75.95 (75.65 to 76.65): VDC

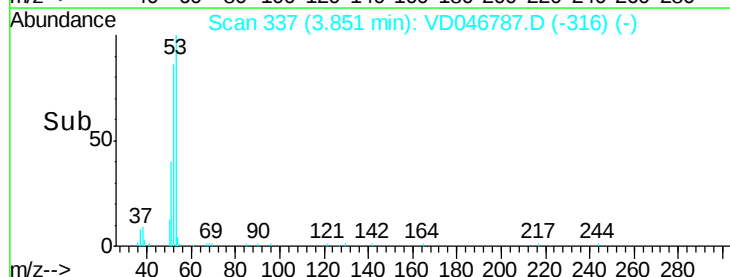
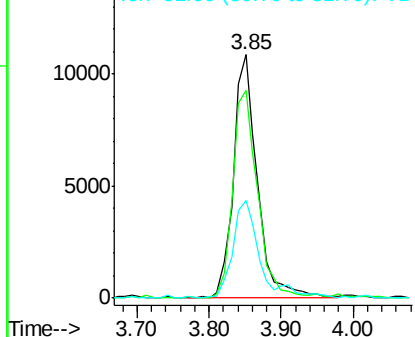


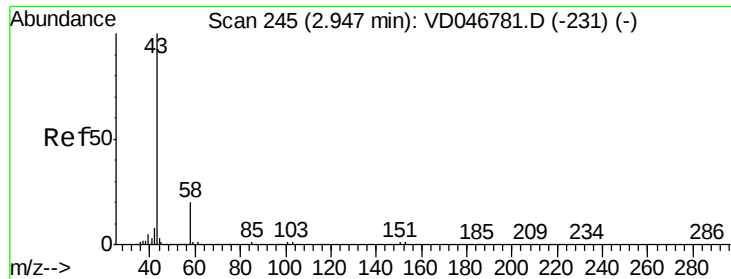
#16
Acrylonitrile
Concen: 102.86 ug/l
RT: 3.85 min Scan# 337
Delta R.T. 0.01 min
Lab File: VD046787.D
Acq: 18 Sep 2015 17:27

Tgt Ion: 53 Resp: 25178
Ion Ratio Lower Upper
53 100
52 85.3 66.8 100.2
51 40.3 31.2 46.8



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC





#17

Acetone

Concen: 102.96 ug/l

RT: 2.95 min Scan# 246

Delta R.T. 0.01 min

Lab File: VD046787.D

Acq: 18 Sep 2015 17:27

Instrument :

MSVOA_D

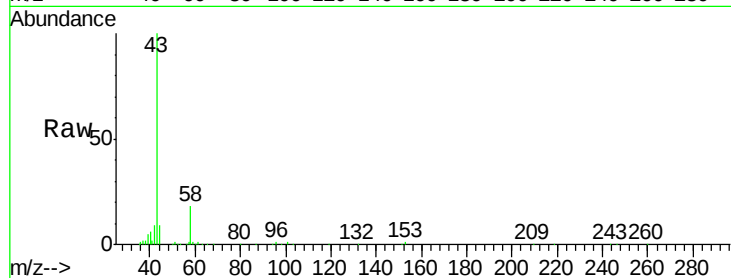
ClientSampleId :

Tot Ion: 43 Resp: 36472

Ion Ratio Lower Upper

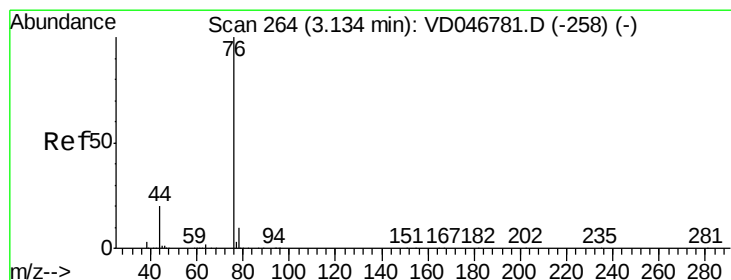
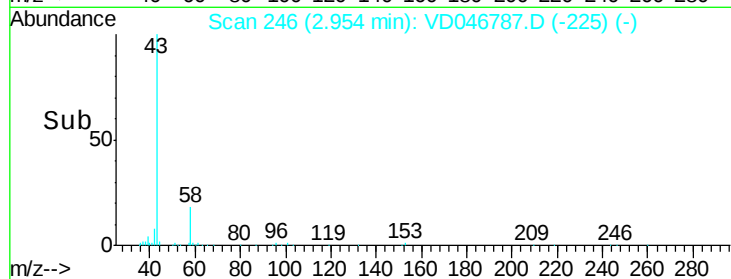
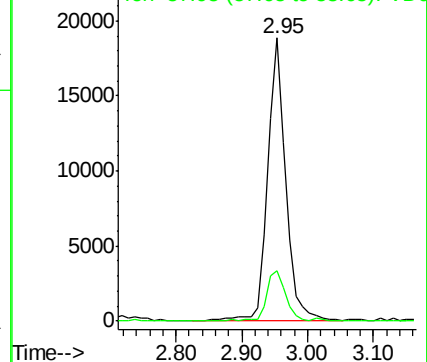
43 100

58 17.8 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: 20.06 ug/l

RT: 3.14 min Scan# 265

Delta R.T. 0.01 min

Lab File: VD046787.D

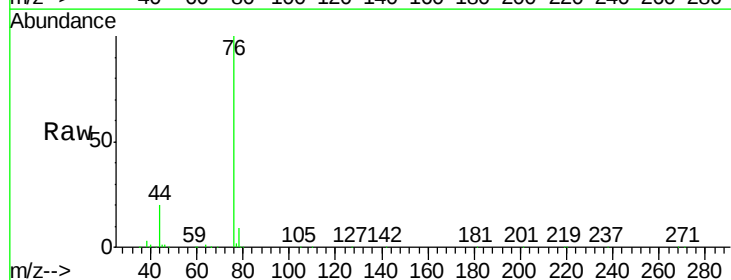
Acq: 18 Sep 2015 17:27

Tgt Ion: 76 Resp: 121398

Ion Ratio Lower Upper

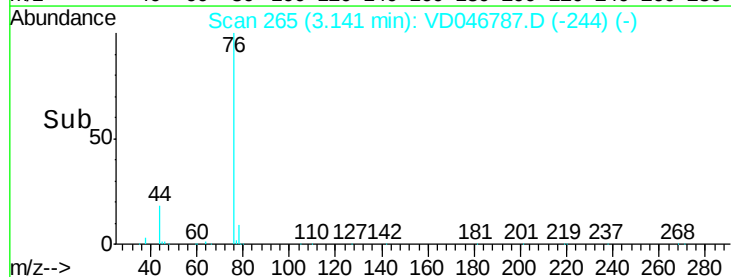
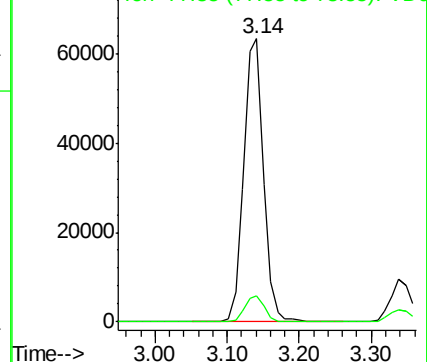
76 100

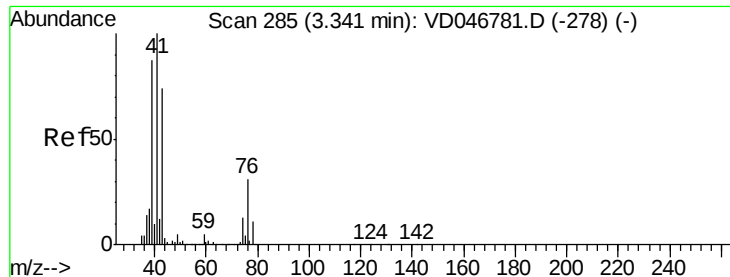
78 9.4 8.0 12.0



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

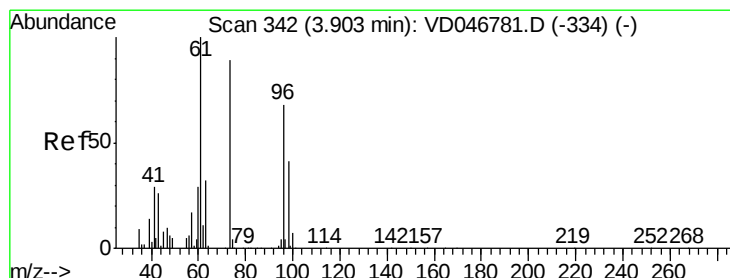
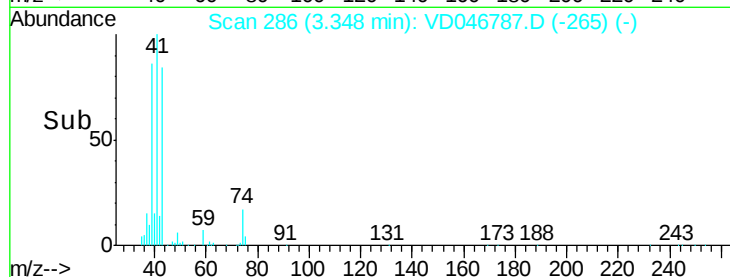
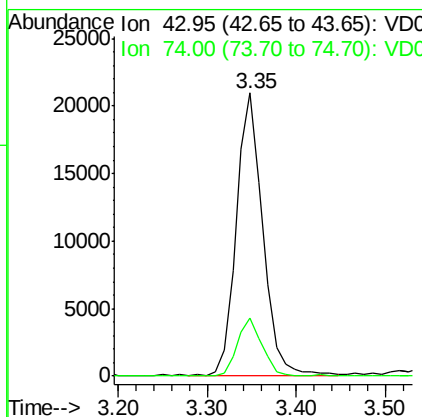
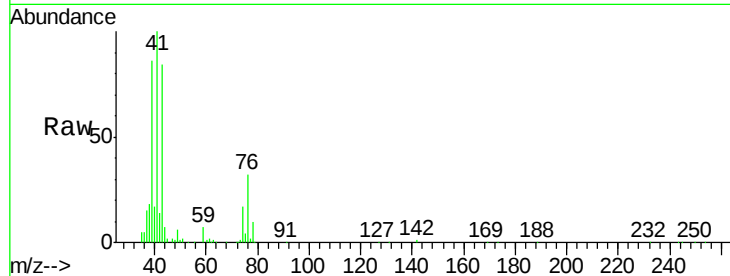




#19
Methvl Acetate
Concen: 21.18 ug/l
RT: 3.35 min Scan# 286
Delta R.T. 0.01 min
Lab File: VD046787.D
Acq: 18 Sep 2015 17:27

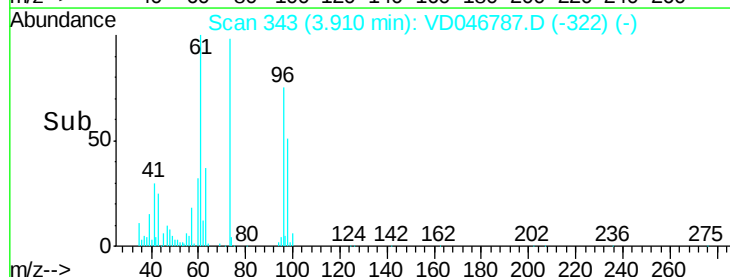
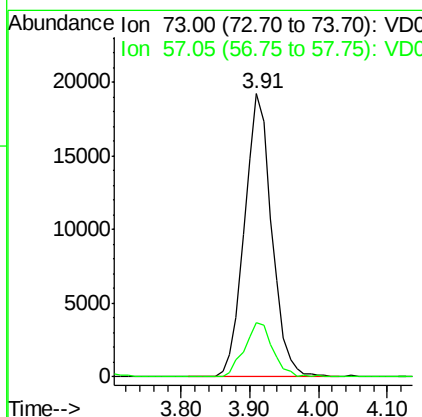
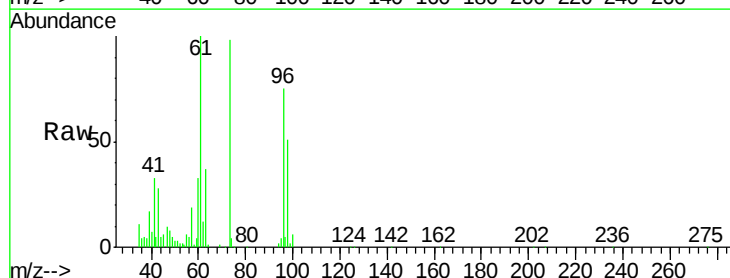
Instrument :
MSVOA_D
ClientSampleId :

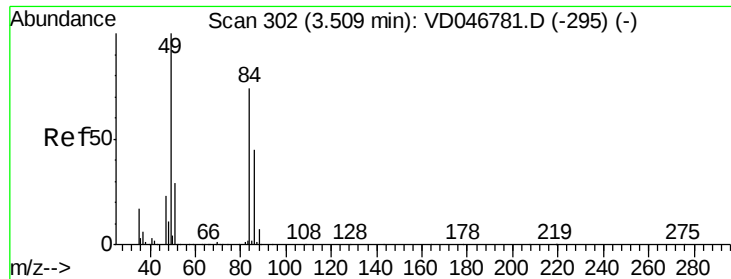
Tot Ion: 43 Resp: 43454
Ion Ratio Lower Upper
43 100
74 20.6 13.7 20.5#



#20
Methyl tert-butyl Ether
Concen: 20.92 ug/l
RT: 3.91 min Scan# 343
Delta R.T. 0.01 min
Lab File: VD046787.D
Acq: 18 Sep 2015 17:27

Tgt Ion: 73 Resp: 52943
Ion Ratio Lower Upper
73 100
57 19.1 18.1 27.1

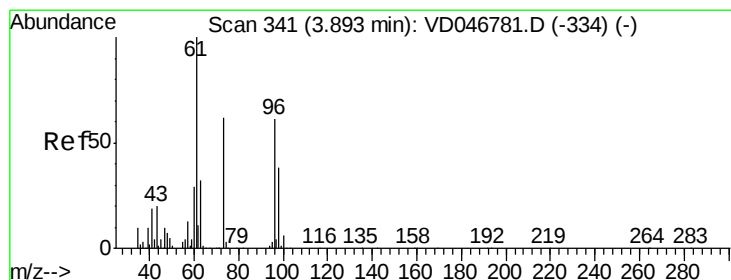
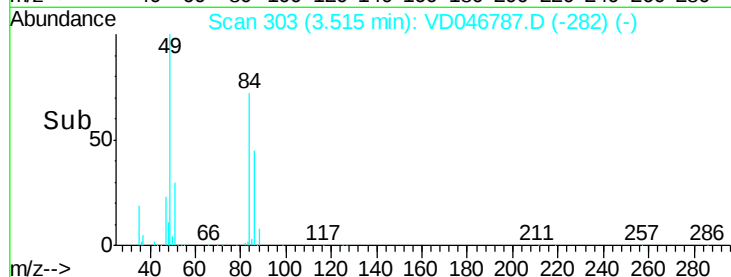
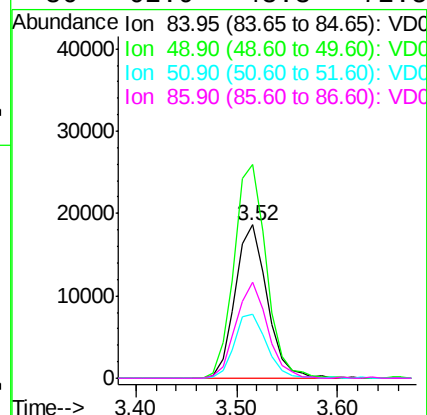
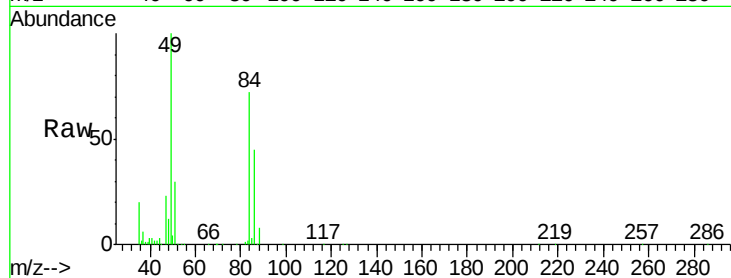




#21
Methylene Chloride
Concen: 21.50 ug/l
RT: 3.52 min Scan# 303
Delta R.T. 0.01 min
Lab File: VD046787.D
Acq: 18 Sep 2015 17:27

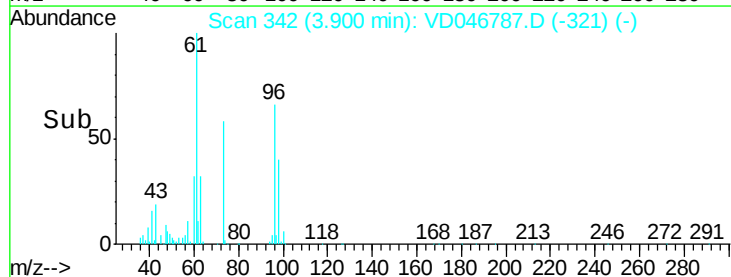
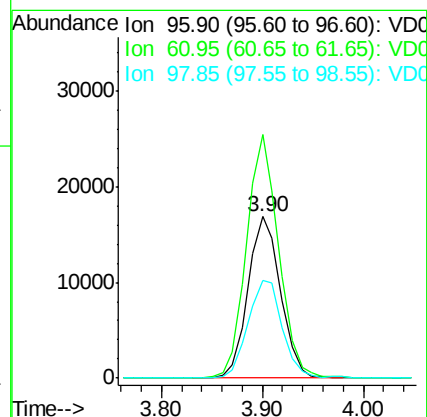
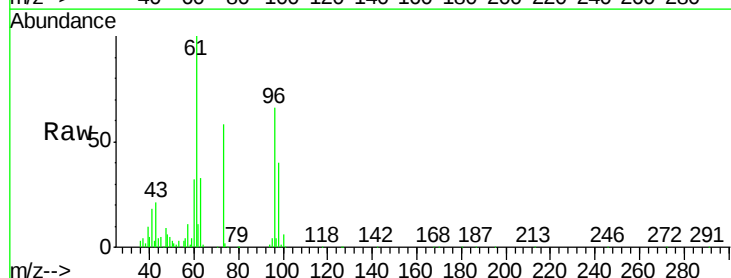
Instrument :
MSVOA_D
ClientSampleId :

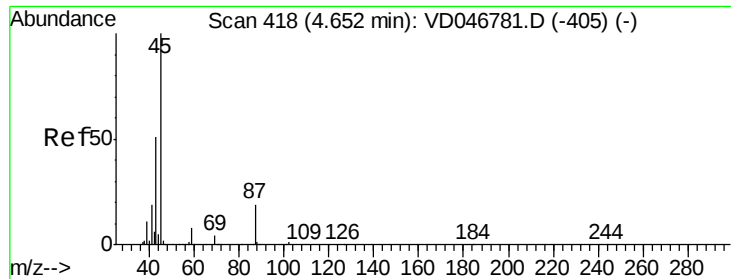
Tot Ion:	84	Resp:	41348
Ion	Ratio	Lower	Upper
84	100		
49	139.2	122.1	183.1
51	41.7	33.6	50.4
86	62.9	48.3	72.5



#22
trans-1,2-Dichloroethene
Concen: 20.82 ug/l
RT: 3.90 min Scan# 342
Delta R.T. 0.01 min
Lab File: VD046787.D
Acq: 18 Sep 2015 17:27

Tgt Ion:	96	Resp:	37925
Ion	Ratio	Lower	Upper
96	100		
61	150.8	125.8	188.6
98	60.9	54.5	81.7

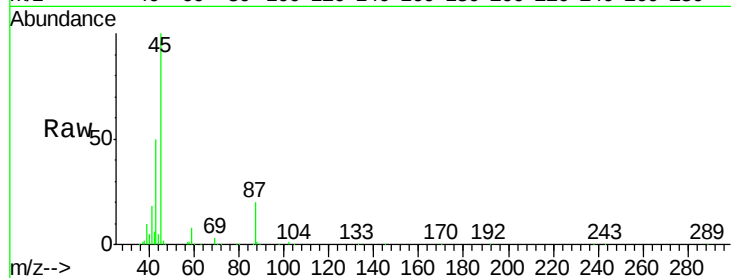




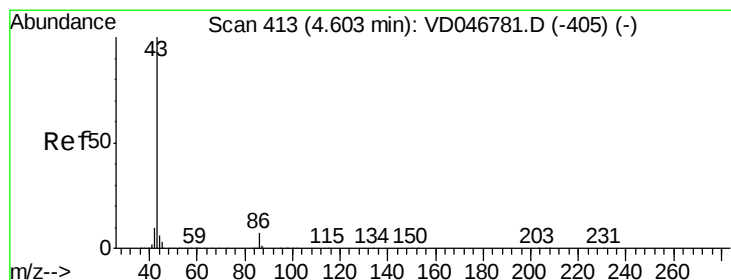
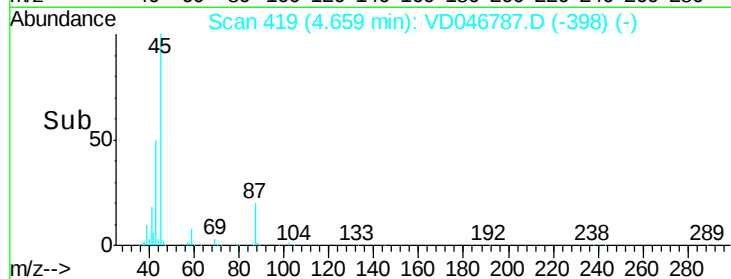
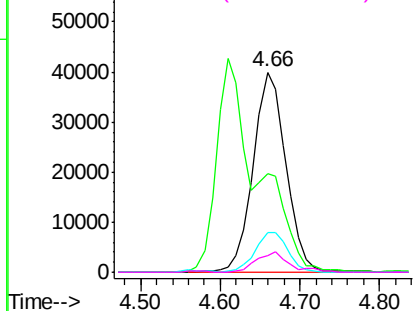
#23
Diisopropyl ether
Concen: 20.78 ug/l
RT: 4.66 min Scan# 419
Delta R.T. 0.01 min
Lab File: VD046787.D
Acq: 18 Sep 2015 17:27

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:	45	Resp:	113156
Ion	Ratio	Lower	Upper
45	100		
43	49.5	35.9	53.9
87	20.0	13.0	19.6#
59	8.3	7.0	10.6

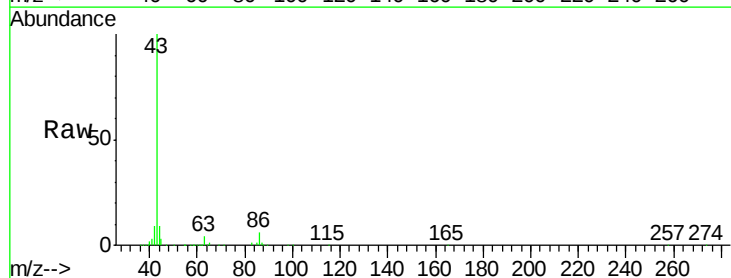


Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC

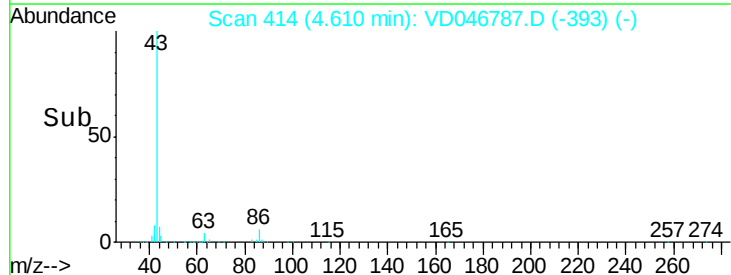
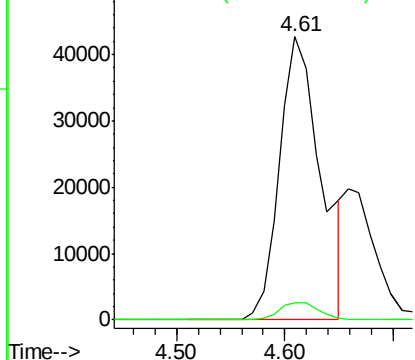


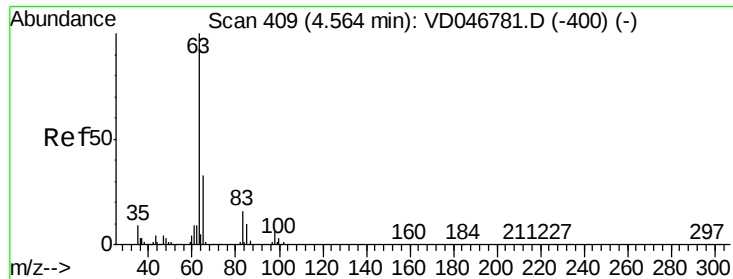
#24
Vinyl Acetate
Concen: 98.84 ug/l
RT: 4.61 min Scan# 414
Delta R.T. 0.01 min
Lab File: VD046787.D
Acq: 18 Sep 2015 17:27

Tgt Ion:	43	Resp:	113852
Ion	Ratio	Lower	Upper
43	100		
86	6.2	4.9	7.3



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





#25

1,1-Dichloroethane

Concen: 19.88 ug/l

RT: 4.57 min Scan# 410

Delta R.T. 0.01 min

Lab File: VD046787.D

Acq: 18 Sep 2015 17:27

Instrument :

MSVOA_D

ClientSampleId :

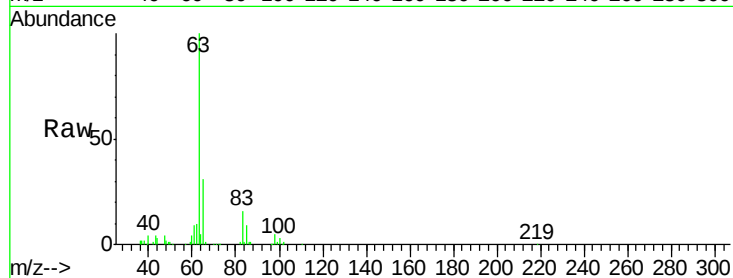
Tot Ion: 63 Resp: 66675

Ion Ratio Lower Upper

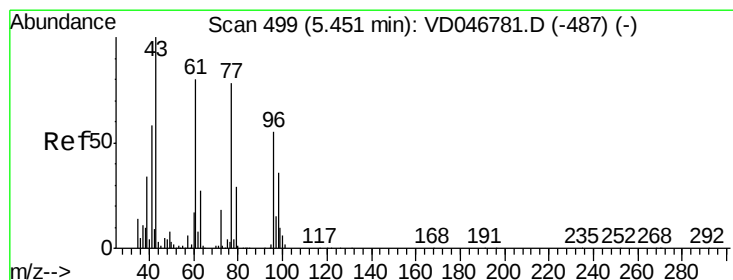
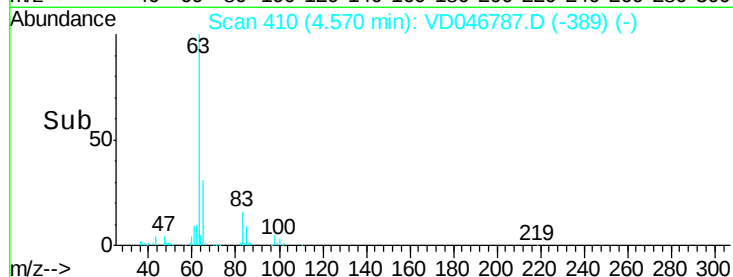
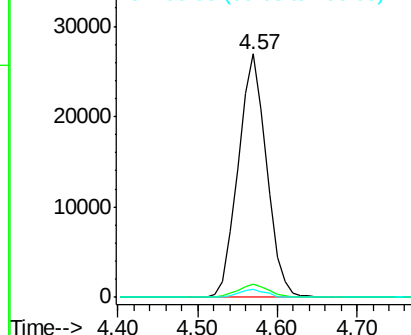
63 100

98 5.2 2.5 7.5

100 3.2 1.5 4.5



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



#26

2-Butanone

Concen: 104.30 ug/l

RT: 5.46 min Scan# 500

Delta R.T. 0.01 min

Lab File: VD046787.D

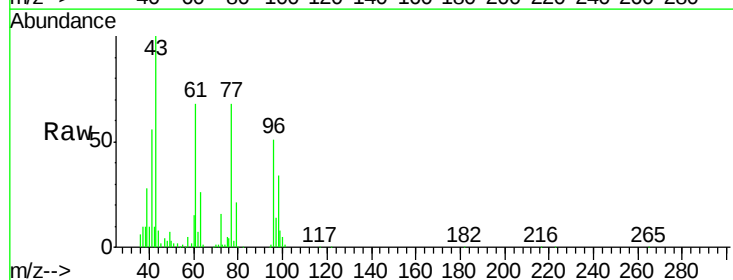
Acq: 18 Sep 2015 17:27

Tgt Ion: 43 Resp: 41522

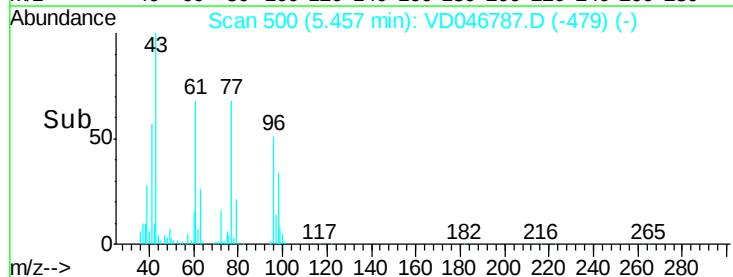
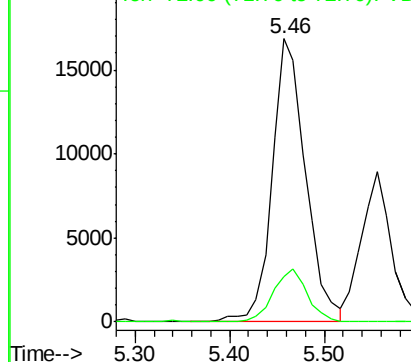
Ion Ratio Lower Upper

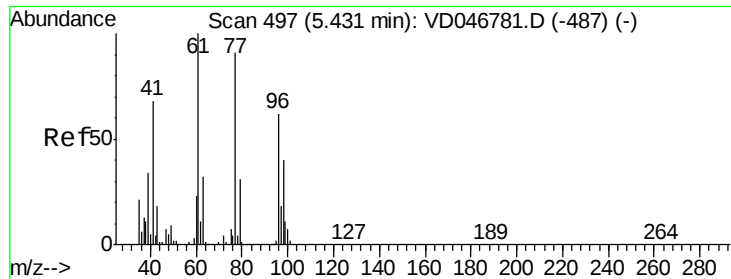
43 100

72 16.1 13.4 20.0



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





#27

2,2-Dichloropropane

Concen: 19.53 ug/l

RT: 5.44 min Scan# 498

Delta R.T. 0.01 min

Lab File: VD046787.D

Acq: 18 Sep 2015 17:27

Instrument :

MSVOA_D

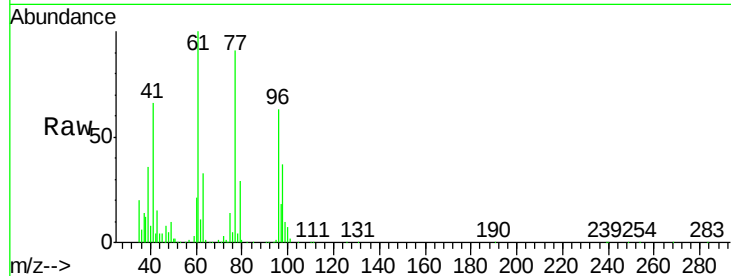
ClientSampled :

Tot Ion: 77 Resp: 67292

Ion Ratio Lower Upper

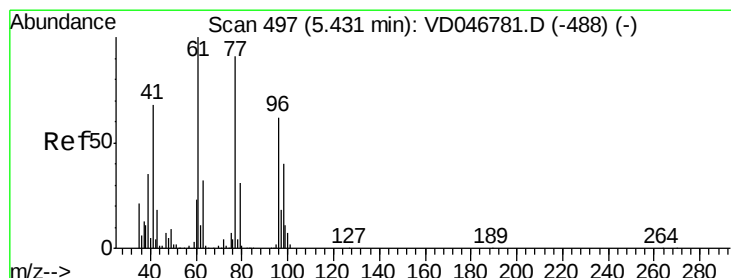
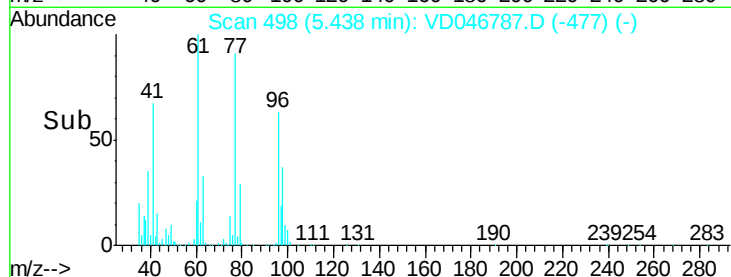
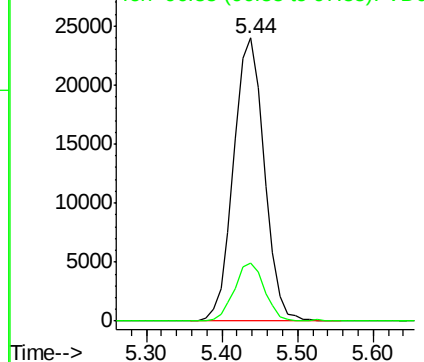
77 100

97 20.4 10.4 31.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



#28

cis-1,2-Dichloroethene

Concen: 21.12 ug/l

RT: 5.44 min Scan# 498

Delta R.T. 0.01 min

Lab File: VD046787.D

Acq: 18 Sep 2015 17:27

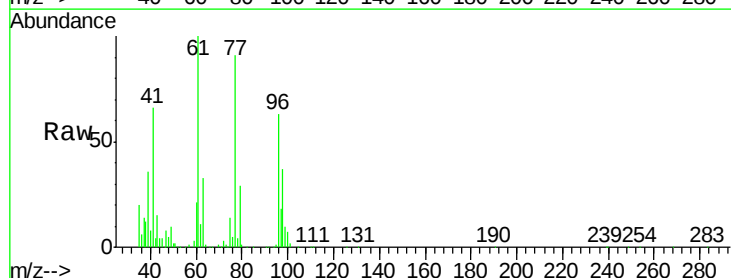
Tgt Ion: 96 Resp: 40054

Ion Ratio Lower Upper

96 100

61 158.1 0.0 348.0

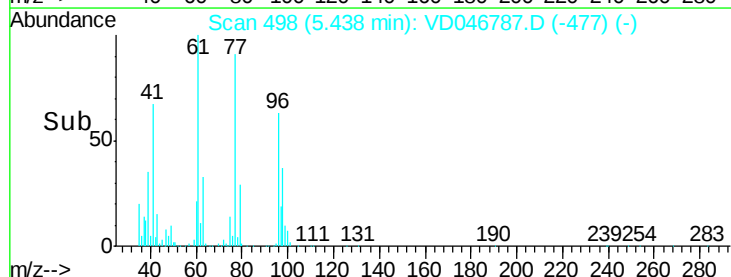
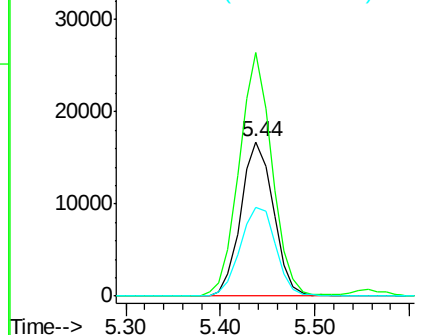
98 57.9 0.0 128.8

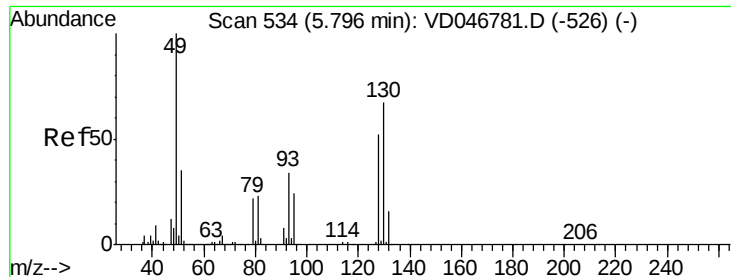


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#29

Bromochloromethane

Concen: 21.11 ug/l

RT: 5.80 min Scan# 535

Delta R.T. 0.01 min

Lab File: VD046787.D

Acq: 18 Sep 2015 17:27

Instrument :
MSVOA_D
ClientSampleId :

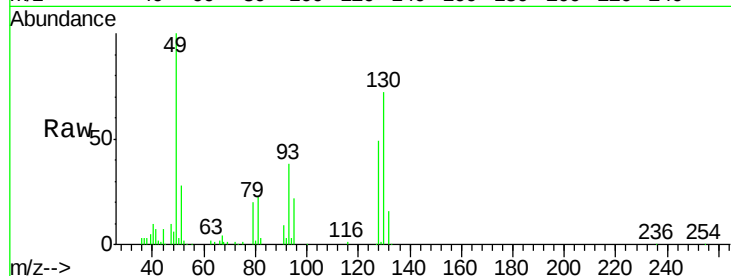
Tot Ion: 49 Resp: 27904

Ion Ratio Lower Upper

49 100

129 1.4 0.0 2.8

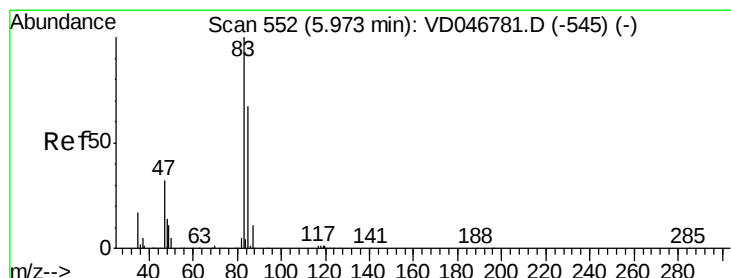
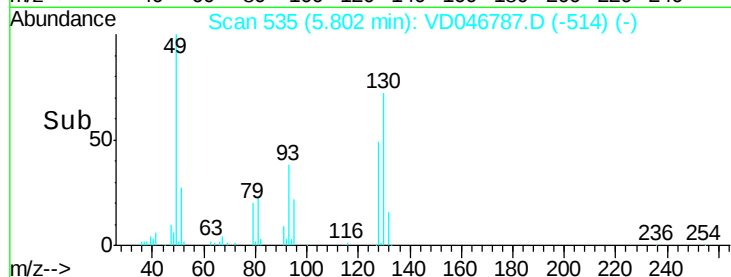
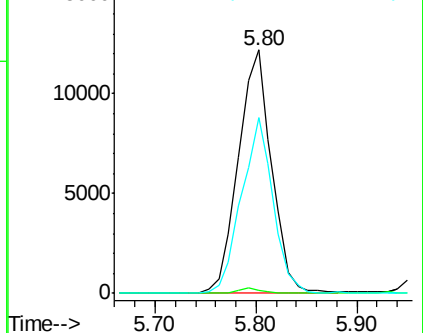
130 72.2 50.2 75.4



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: 20.33 ug/l

RT: 5.98 min Scan# 553

Delta R.T. 0.01 min

Lab File: VD046787.D

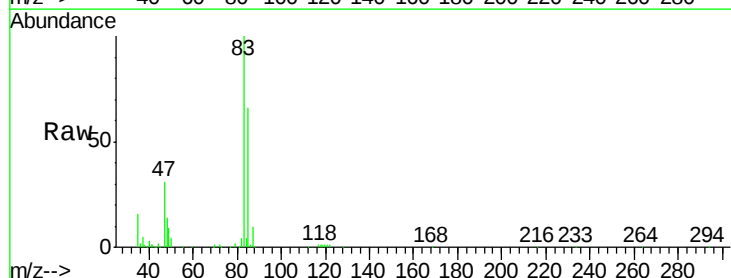
Acq: 18 Sep 2015 17:27

Tgt Ion: 83 Resp: 82724

Ion Ratio Lower Upper

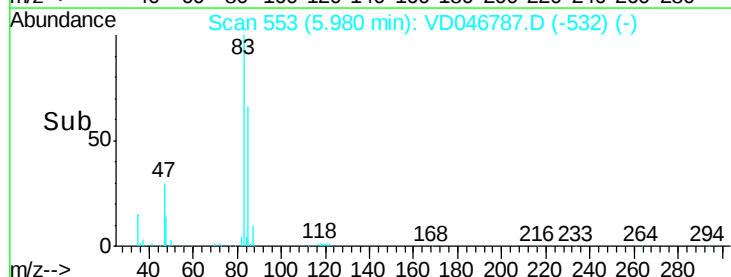
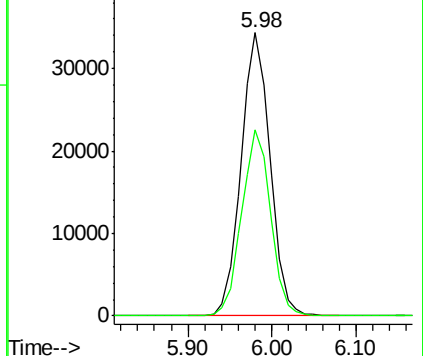
83 100

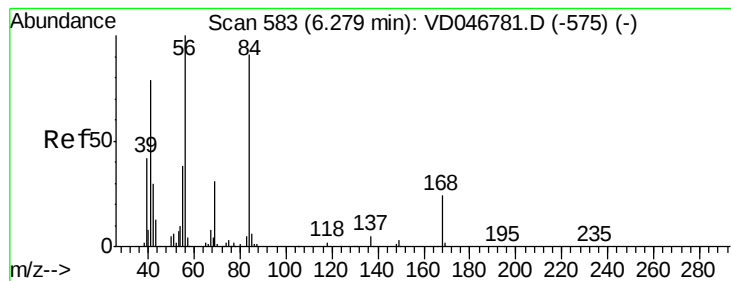
85 65.6 52.5 78.7



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC





#31

Cyclohexane

Concen: 19.88 ug/l

RT: 6.29 min Scan# 584

Delta R.T. 0.01 min

Lab File: VD046787.D

Acq: 18 Sep 2015 17:27

Instrument :
MSVOA_D
ClientSampleId :

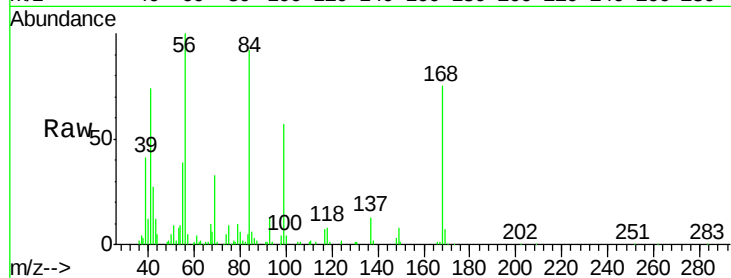
Tot Ion: 56 Resp: 62551

Ion Ratio Lower Upper

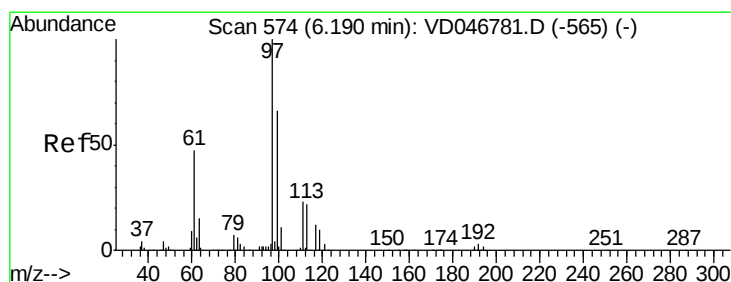
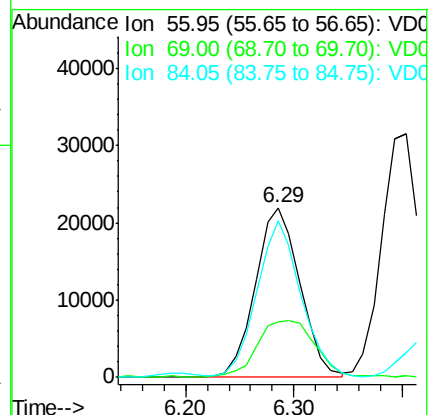
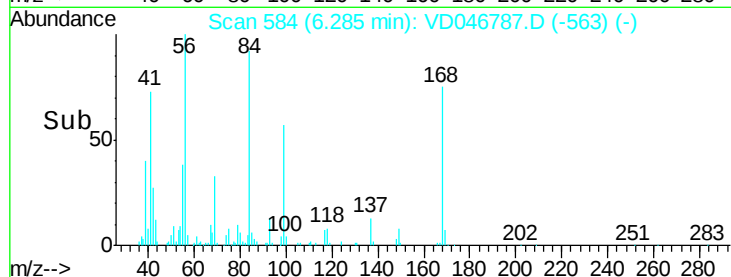
56 100

69 32.9 23.4 35.0

84 92.1 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: 19.86 ug/l

RT: 6.19 min Scan# 574

Delta R.T. -0.00 min

Lab File: VD046787.D

Acq: 18 Sep 2015 17:27

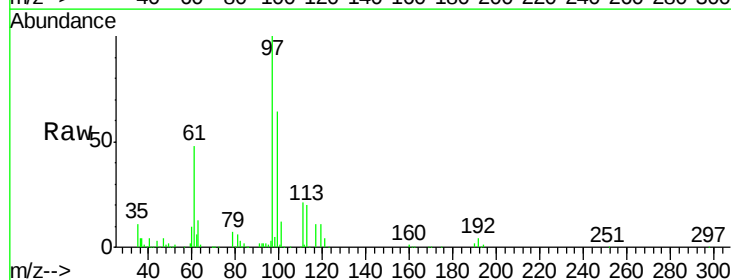
Tgt Ion: 97 Resp: 71958

Ion Ratio Lower Upper

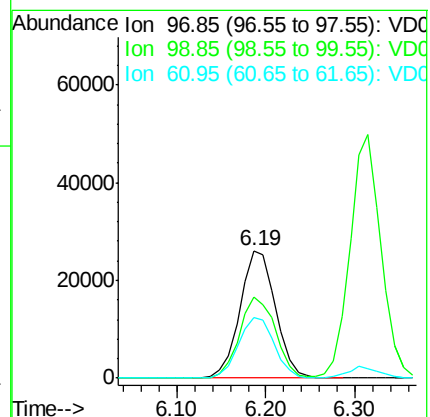
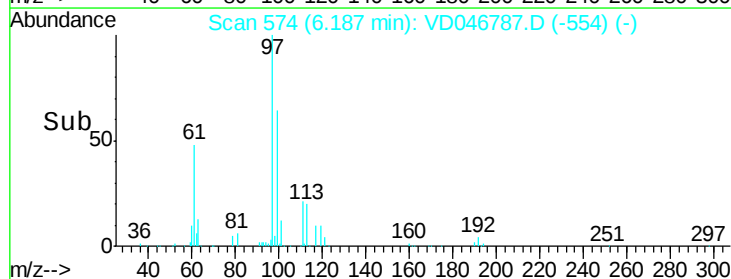
97 100

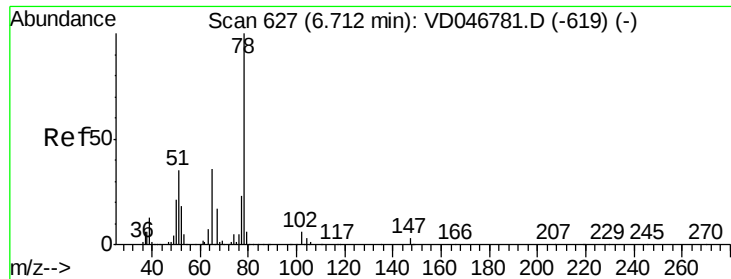
99 63.8 50.2 75.4

61 47.7 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

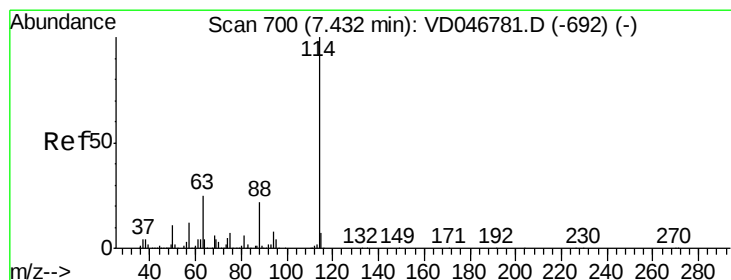
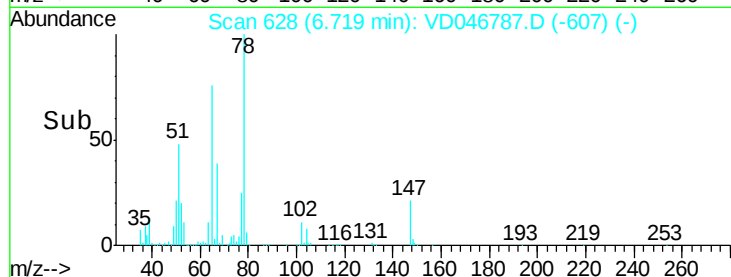
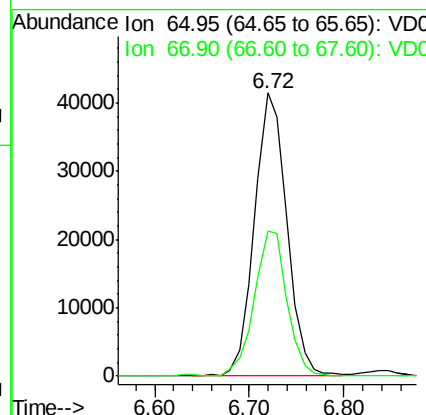
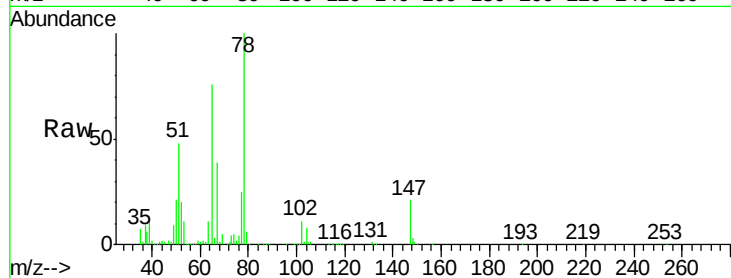




#33
 1,2-Dichloroethane-d4
 Concen: 19.86 ug/l
 RT: 6.72 min Scan# 628
 Delta R.T. 0.01 min
 Lab File: VD046787.D
 Acq: 18 Sep 2015 17:27

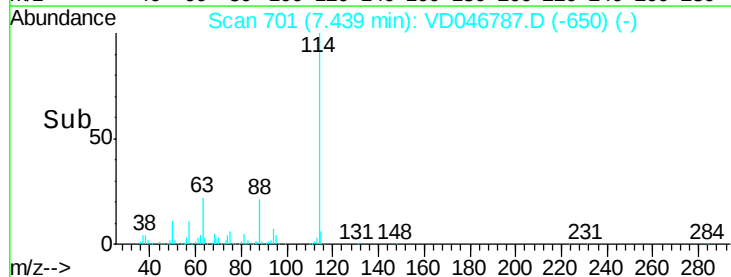
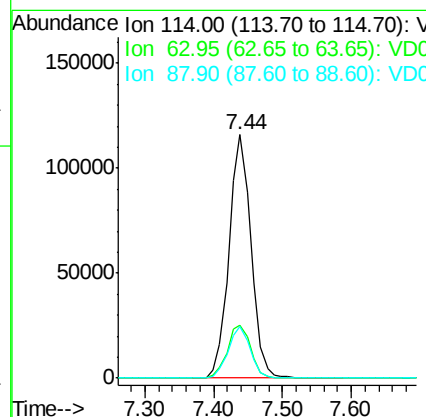
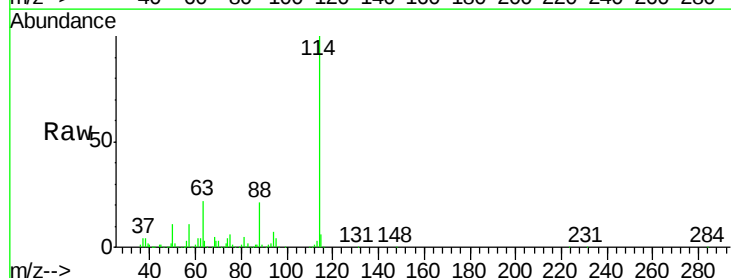
Instrument :
 MSVOA_D
 ClientSampleId :

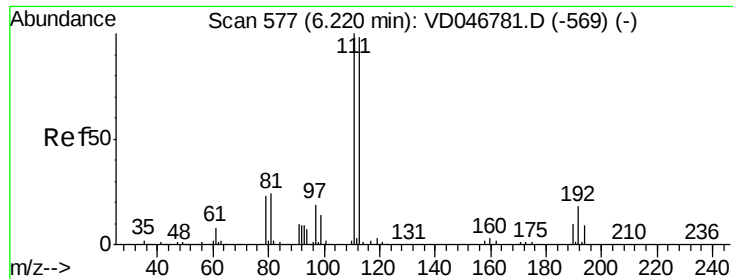
Tot Ion: 65 Resp: 98629
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 7.44 min Scan# 701
 Delta R.T. 0.01 min
 Lab File: VD046787.D
 Acq: 18 Sep 2015 17:27

Tgt Ion: 114 Resp: 256663
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 49.8
 88 21.1 0.0 43.6

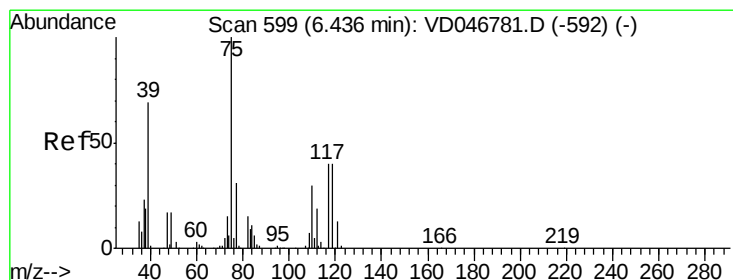
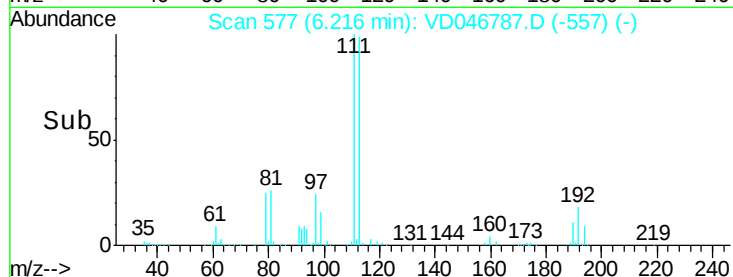
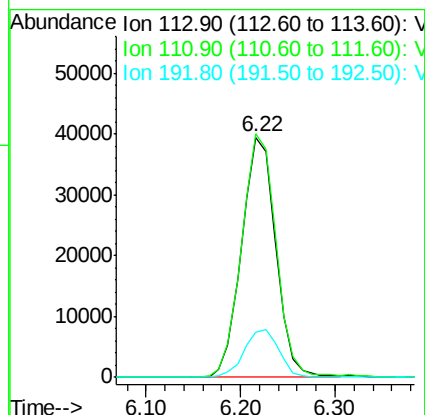
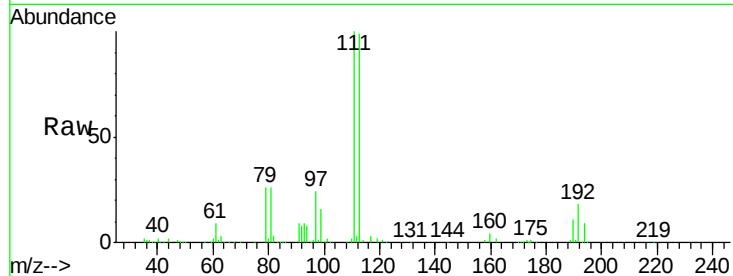




#35
Dibromofluoromethane
Concen: 50.00 ug/l
RT: 6.22 min Scan# 577
Delta R.T. -0.00 min
Lab File: VD046787.D
Acq: 18 Sep 2015 17:27

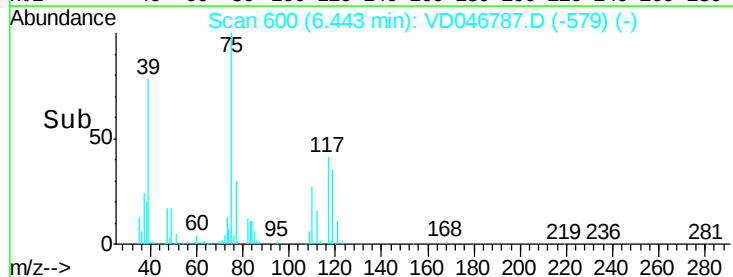
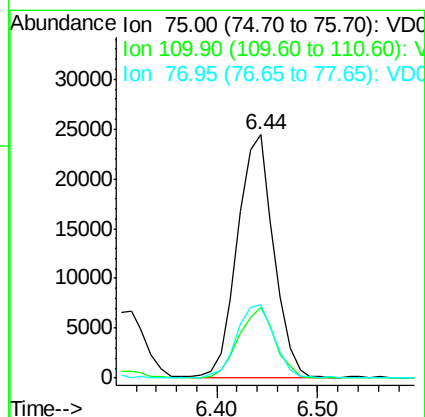
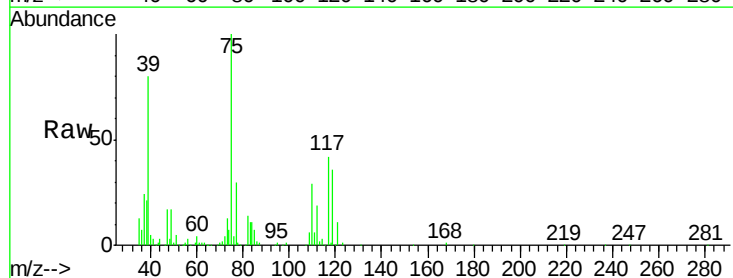
Instrument :
MSVOA_D
ClientSampleId :

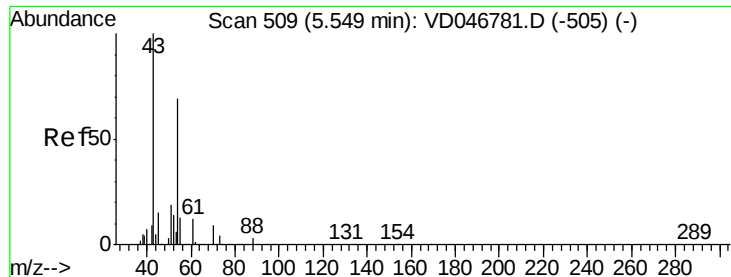
Tot Ion:113 Resp: 98888
Ion Ratio Lower Upper
113 100
111 101.5 79.4 119.0
192 18.6 14.6 22.0



#36
1,1-Dichloropropene
Concen: 20.24 ug/l
RT: 6.44 min Scan# 600
Delta R.T. 0.01 min
Lab File: VD046787.D
Acq: 18 Sep 2015 17:27

Tgt Ion: 75 Resp: 60708
Ion Ratio Lower Upper
75 100
110 28.9 13.7 41.0
77 30.2 24.7 37.1

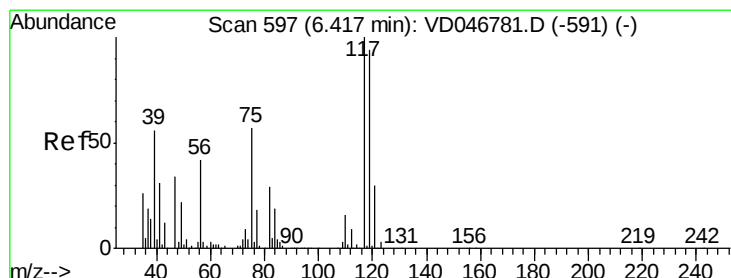
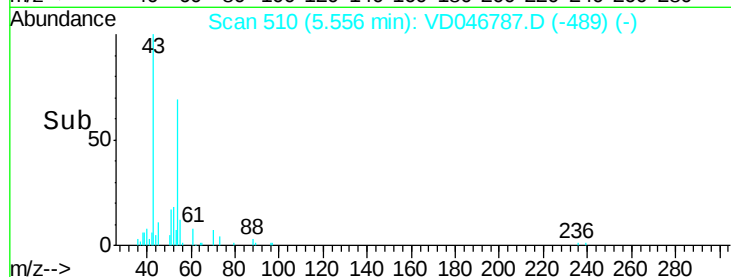
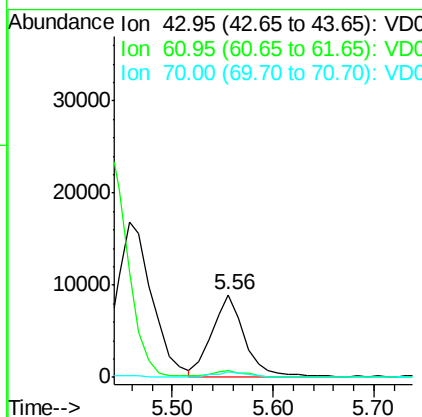
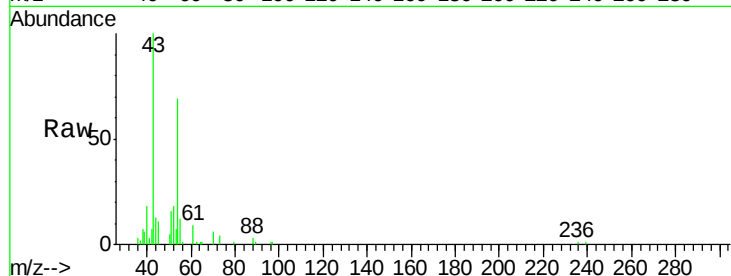




#37
Ethyl Acetate
Concen: 21.33 ug/l
RT: 5.56 min Scan# 510
Delta R.T. 0.01 min
Lab File: VD046787.D
Acq: 18 Sep 2015 17:27

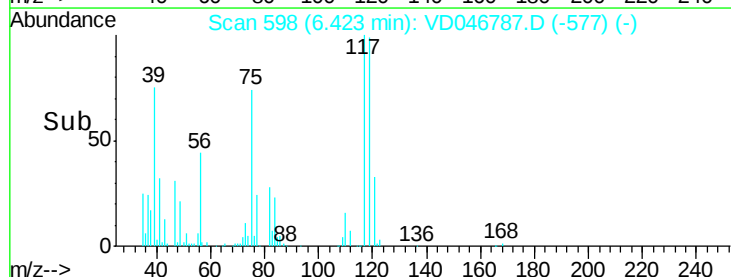
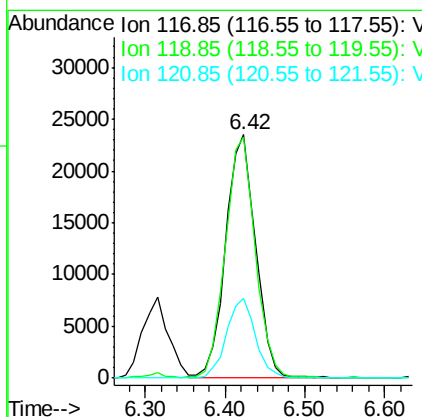
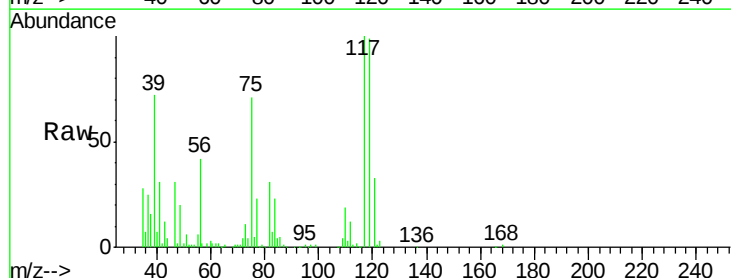
Instrument :
MSVOA_D
ClientSampleId :

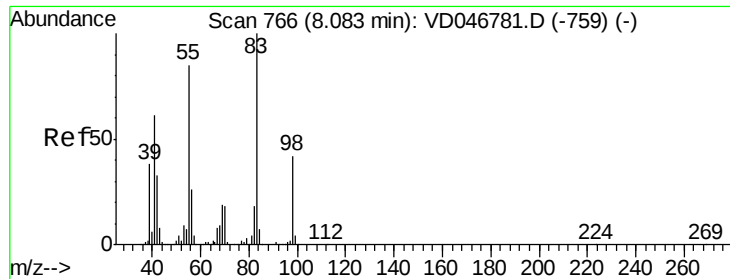
Tot Ion: 43 Resp: 20548
Ion Ratio Lower Upper
43 100
61 8.6 9.4 14.2#
70 6.5 6.0 9.0



#38
Carbon Tetrachloride
Concen: 20.00 ug/l
RT: 6.42 min Scan# 598
Delta R.T. 0.01 min
Lab File: VD046787.D
Acq: 18 Sep 2015 17:27

Tgt Ion: 117 Resp: 62344
Ion Ratio Lower Upper
117 100
119 99.1 76.2 114.4
121 32.9 24.5 36.7

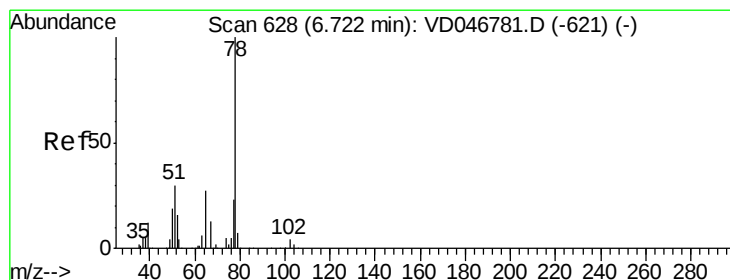
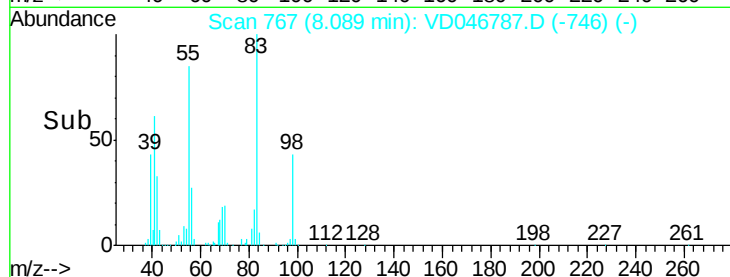
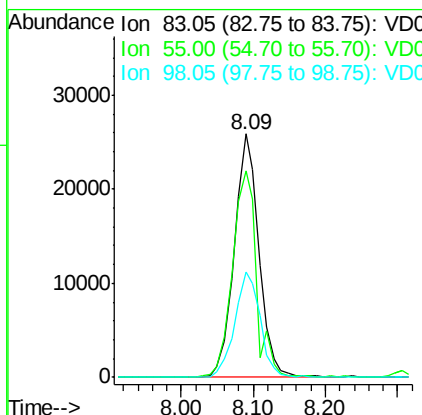
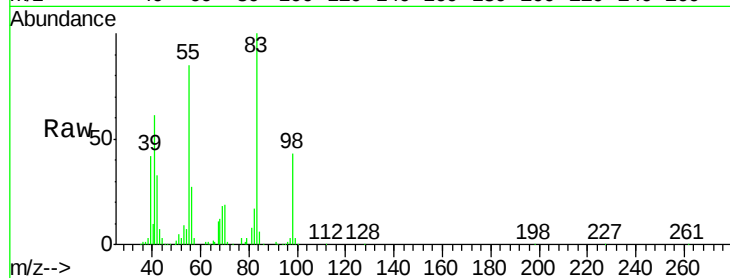




#39
Methvlcvclohexane
Concen: 20.22 ug/l
RT: 8.09 min Scan# 767
Delta R.T. 0.01 min
Lab File: VD046787.D
Acq: 18 Sep 2015 17:27

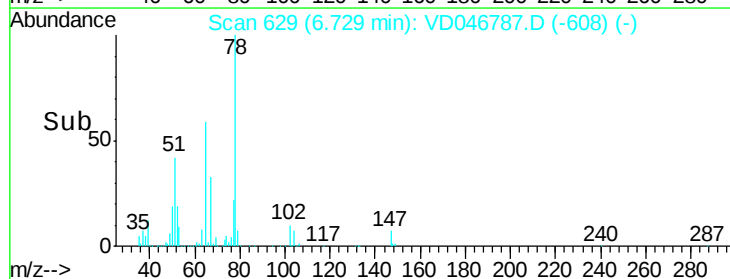
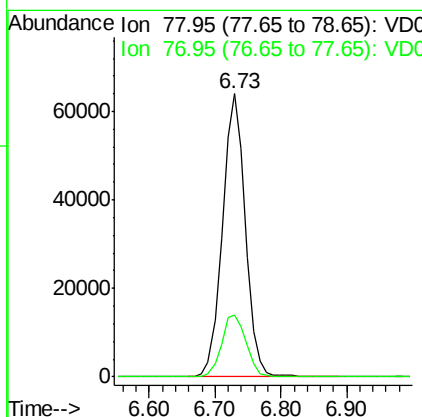
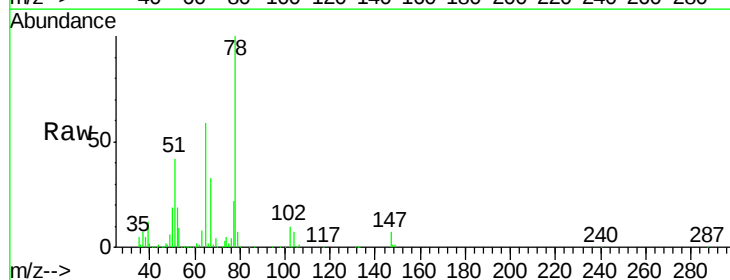
Instrument :
MSVOA_D
ClientSampleId :

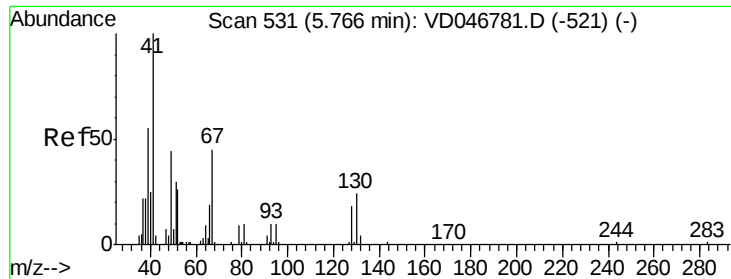
Tot Ion: 83 Resp: 61467
Ion Ratio Lower Upper
83 100
55 84.6 71.1 106.7
98 43.3 34.6 51.8



#40
Benzene
Concen: 20.23 ug/l
RT: 6.73 min Scan# 629
Delta R.T. 0.01 min
Lab File: VD046787.D
Acq: 18 Sep 2015 17:27

Tgt Ion: 78 Resp: 154934
Ion Ratio Lower Upper
78 100
77 21.7 19.9 29.9

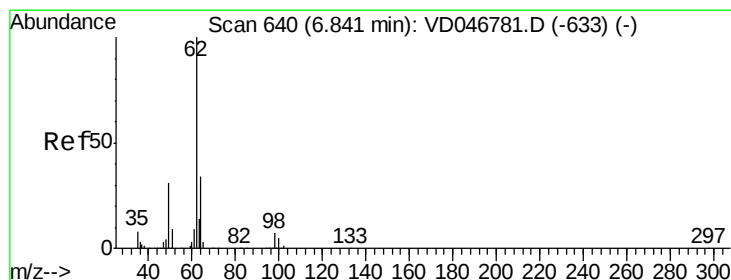
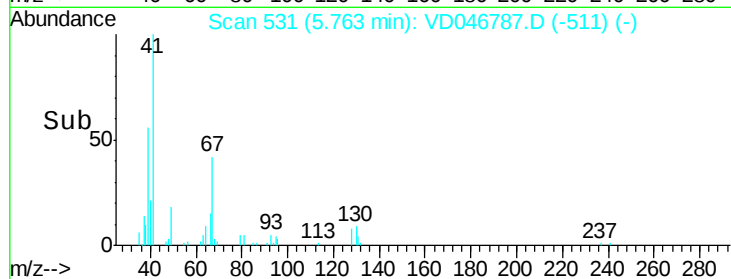
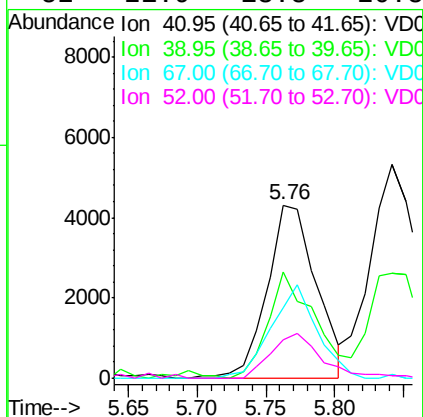
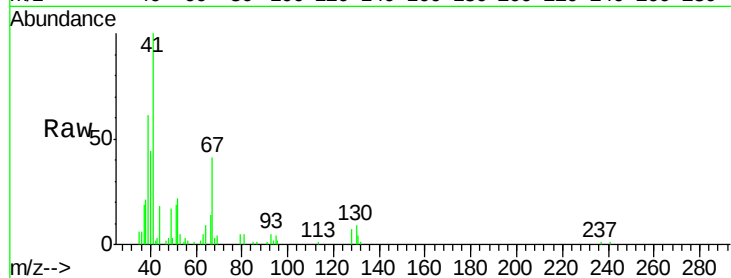




#41
Methacrylonitrile
Concen: 19.85 ug/l
RT: 5.76 min Scan# 531
Delta R.T. -0.00 min
Lab File: VD046787.D
Acq: 18 Sep 2015 17:27

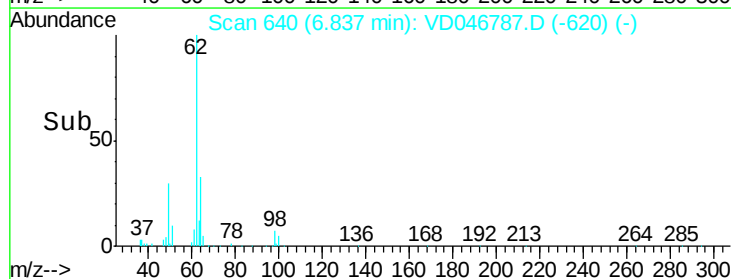
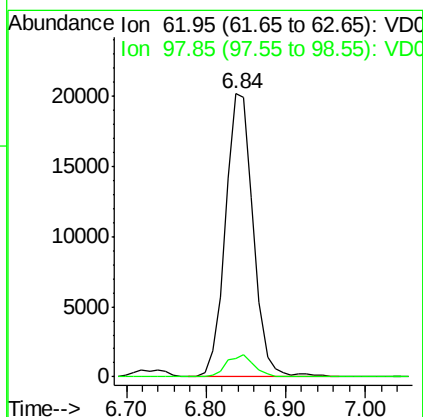
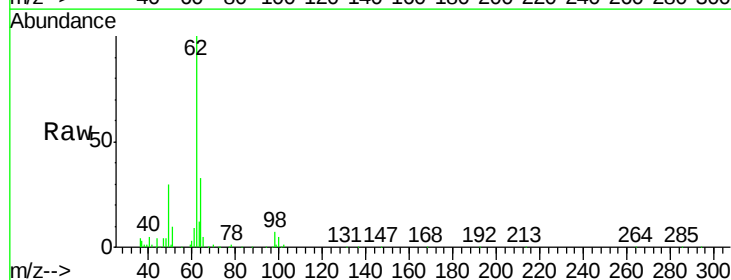
Instrument :
MSVOA_D
ClientSampleId :

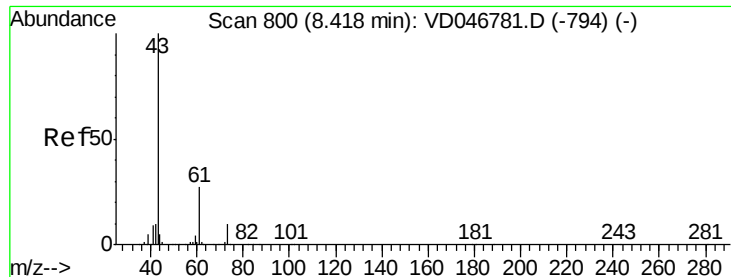
Tot Ion:	41	Resp:	10725
Ion	Ratio	Lower	Upper
41	100		
39	61.1	40.2	60.4#
67	40.6	32.0	48.0
52	21.9	13.8	20.8#



#42
1,2-Dichloroethane
Concen: 20.77 ug/l
RT: 6.84 min Scan# 640
Delta R.T. -0.00 min
Lab File: VD046787.D
Acq: 18 Sep 2015 17:27

Tgt Ion:	62	Resp:	49403
Ion	Ratio	Lower	Upper
62	100		
98	6.7	0.0	16.2



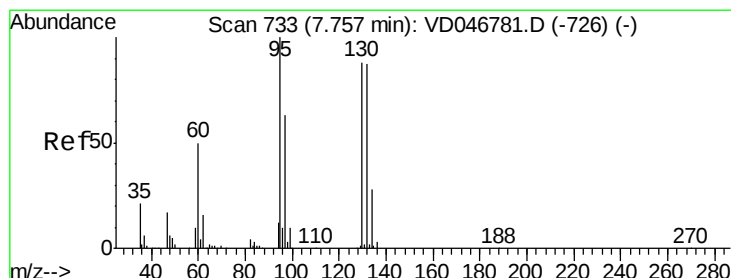
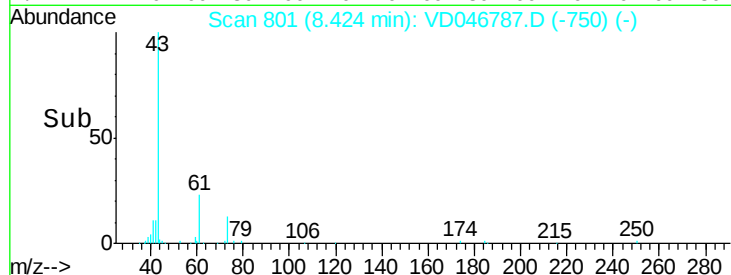
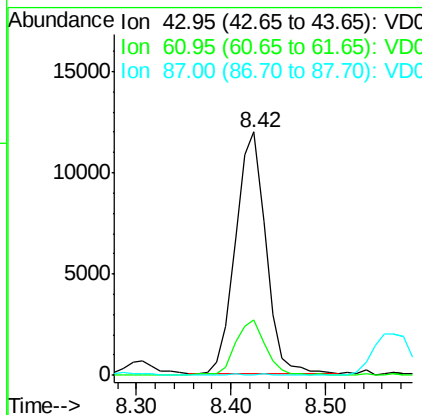
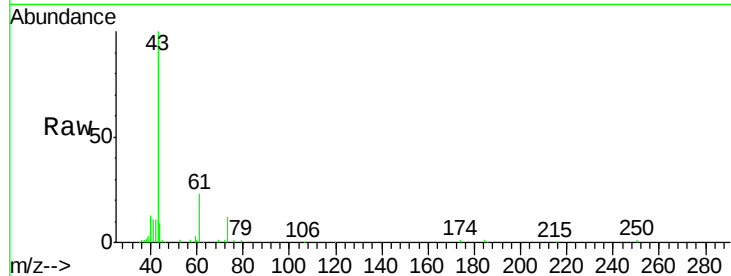


#43

Isopropyl Acetate
 Concen: 20.94 ug/l
 RT: 8.42 min Scan# 801
 Delta R.T. 0.01 min
 Lab File: VD046787.D
 Acq: 18 Sep 2015 17:27

Instrument :
 MSVOA_D
 ClientSampleId :

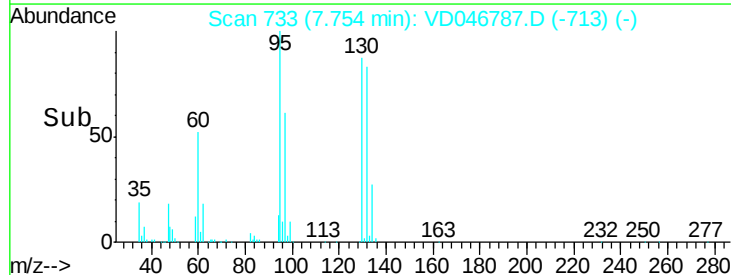
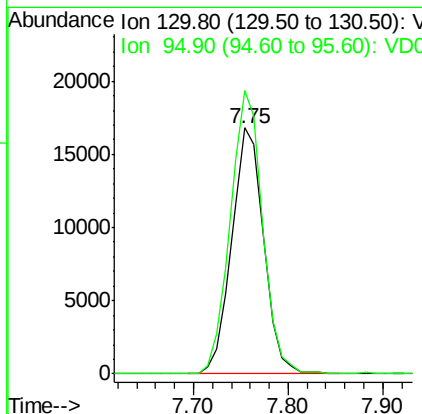
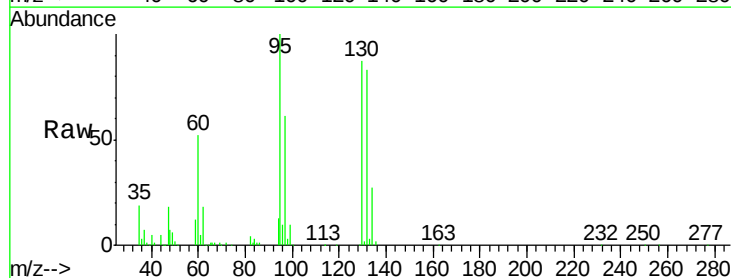
Tot Ion: 43 Resp: 26593
 Ion Ratio Lower Upper
 43 100
 61 22.9 19.5 29.3
 87 0.0 0.2 0.2#

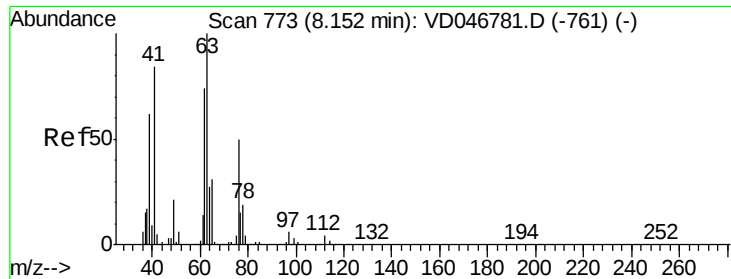


#44

Trichloroethene
 Concen: 20.47 ug/l
 RT: 7.75 min Scan# 733
 Delta R.T. -0.00 min
 Lab File: VD046787.D
 Acq: 18 Sep 2015 17:27

Tgt Ion: 130 Resp: 39234
 Ion Ratio Lower Upper
 130 100
 95 115.2 0.0 229.4





#45

1,2-Dichloropropane

Concen: 20.00 ug/l

RT: 8.15 min Scan# 773

Delta R.T. -0.00 min

Lab File: VD046787.D

Acq: 18 Sep 2015 17:27

Instrument :

MSVOA_D

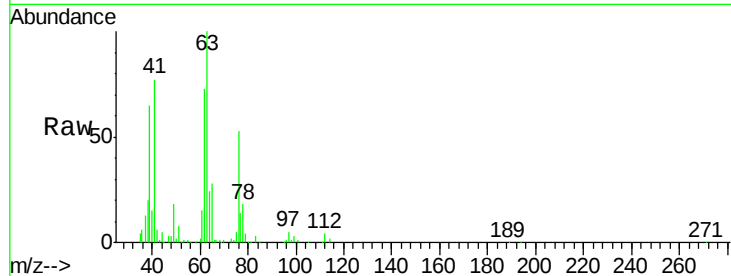
ClientSampleId :

Tot Ion: 63 Resp: 37944

Ion Ratio Lower Upper

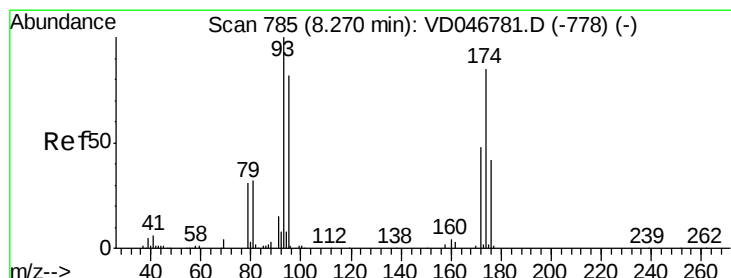
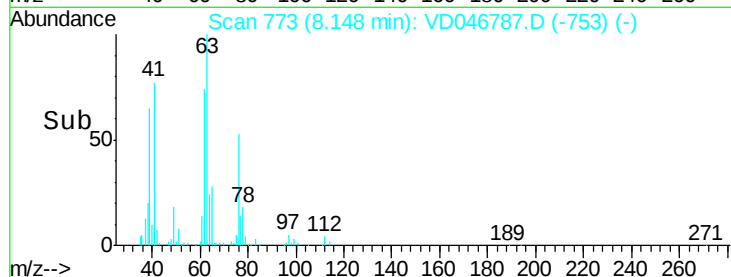
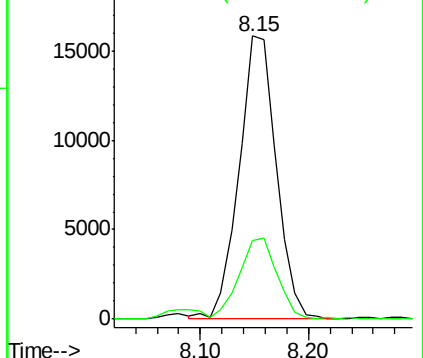
63 100

65 27.8 25.1 37.7



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 20.48 ug/l

RT: 8.28 min Scan# 786

Delta R.T. 0.01 min

Lab File: VD046787.D

Acq: 18 Sep 2015 17:27

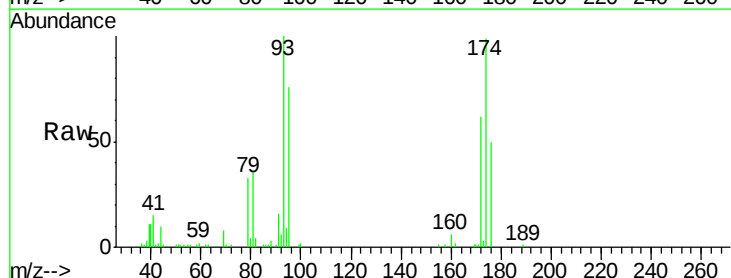
Tgt Ion: 93 Resp: 22061

Ion Ratio Lower Upper

93 100

95 76.3 70.2 105.2

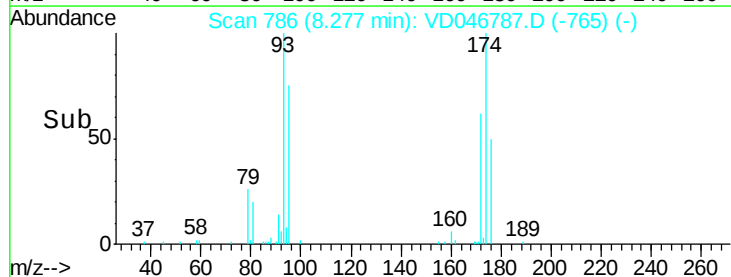
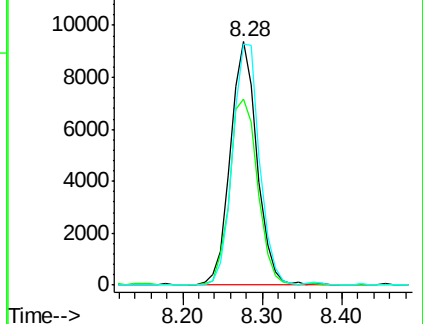
174 99.1 79.0 118.4

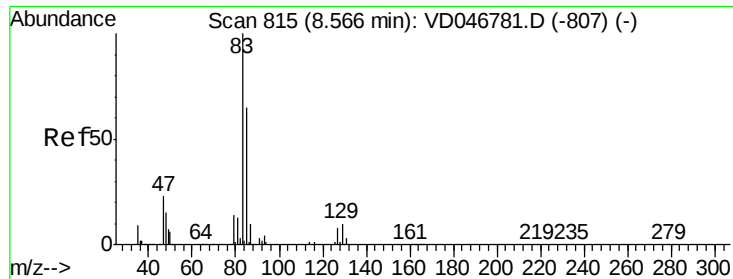


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 20.68 ug/l

RT: 8.57 min Scan# 816

Delta R.T. 0.01 min

Lab File: VD046787.D

Acq: 18 Sep 2015 17:27

Instrument :

MSVOA_D

ClientSampleId :

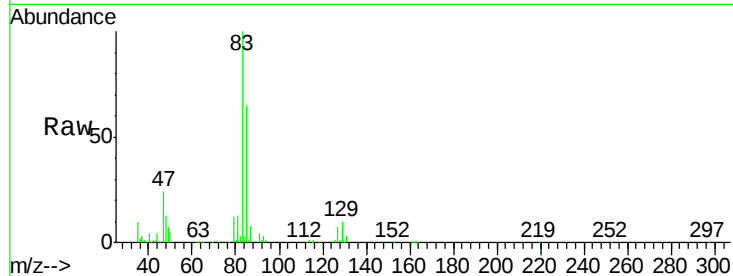
Tot Ion: 83 Resp: 58454

Ion Ratio Lower Upper

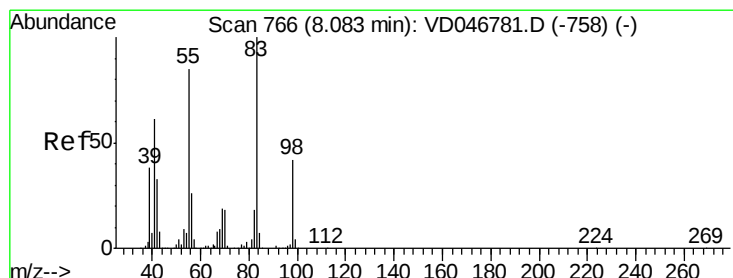
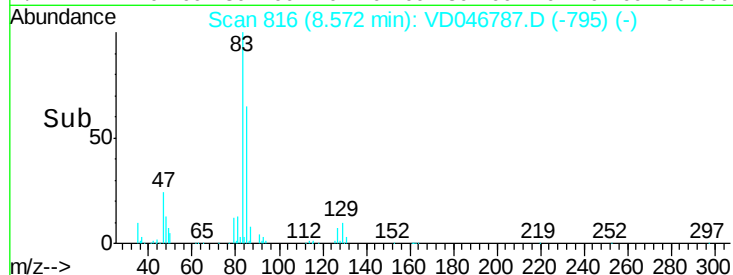
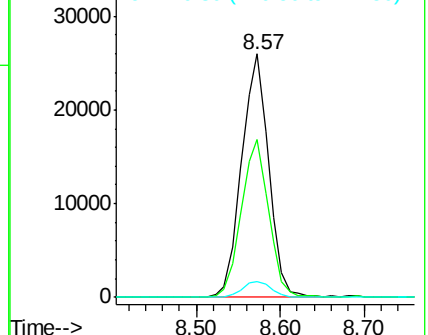
83 100

85 64.9 52.6 78.8

127 6.7 5.7 8.5



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 20.32 ug/l

RT: 8.09 min Scan# 767

Delta R.T. 0.01 min

Lab File: VD046787.D

Acq: 18 Sep 2015 17:27

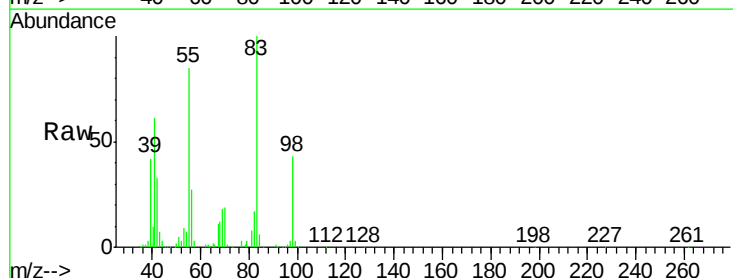
Tgt Ion: 41 Resp: 39453

Ion Ratio Lower Upper

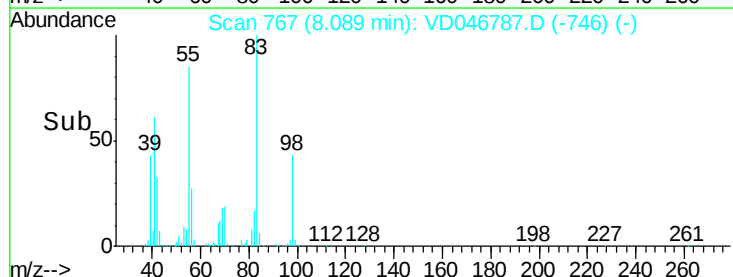
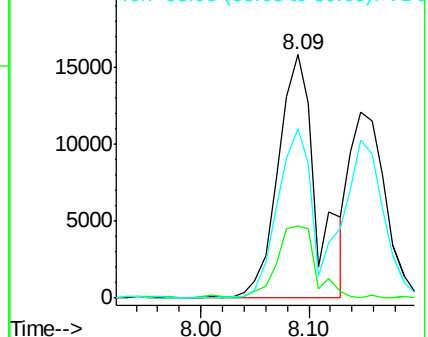
41 100

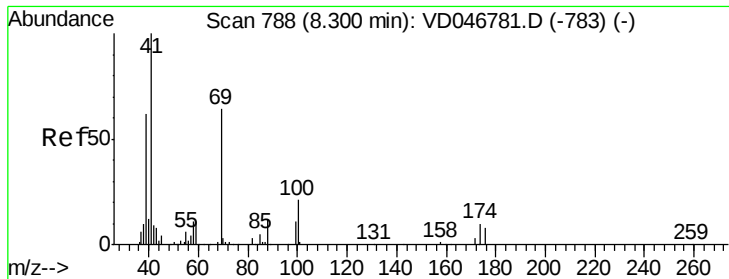
69 29.8 25.3 37.9

39 69.3 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: 411.66 ug/l

RT: 8.31 min Scan# 789

Delta R.T. 0.01 min

Lab File: VD046787.D

Acq: 18 Sep 2015 17:27

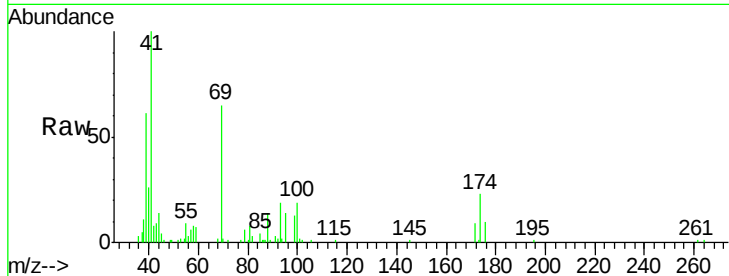
Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 88 Resp: 2957

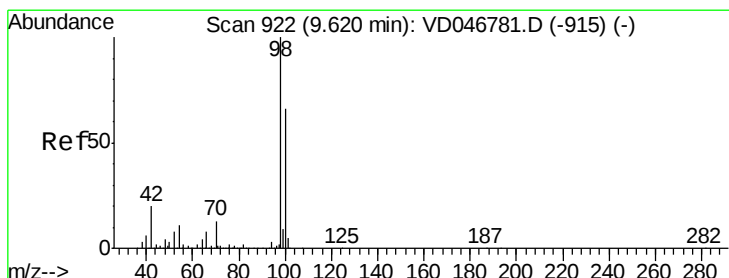
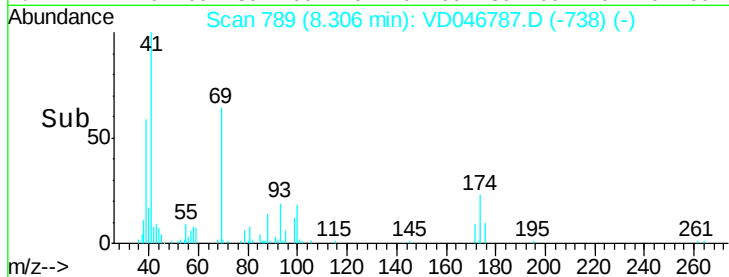
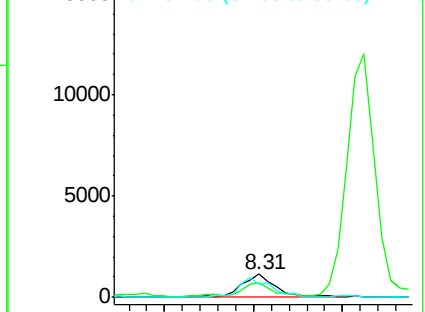
Ion	Ratio	Lower	Upper
88	100		
43	62.5	50.0	75.0
58	58.7	48.3	72.5



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: 411.66 ug/l

RT: 9.63 min Scan# 923

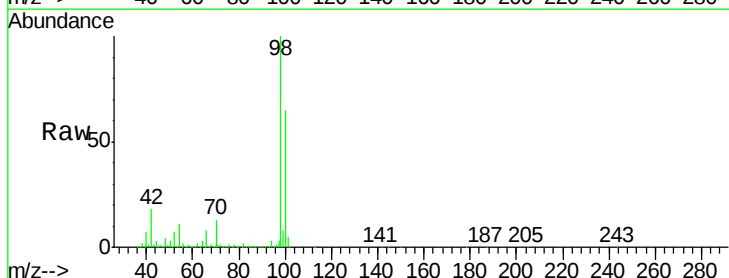
Delta R.T. 0.01 min

Lab File: VD046787.D

Acq: 18 Sep 2015 17:27

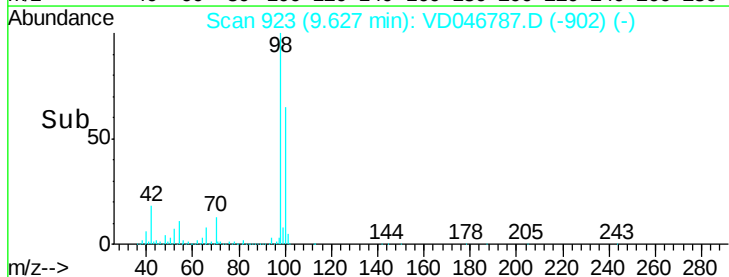
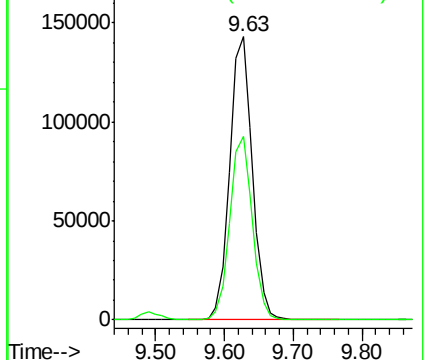
Tgt Ion: 98 Resp: 324066

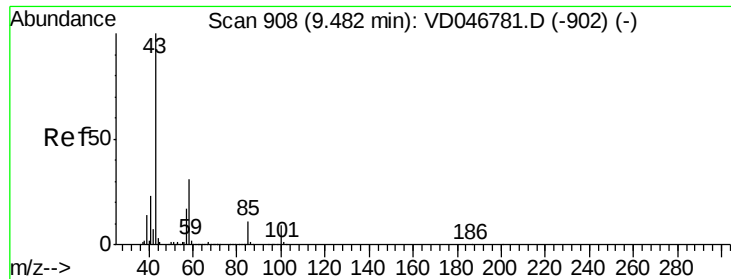
Ion	Ratio	Lower	Upper
98	100		
100	64.7	49.9	74.9



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: 104.13 ug/l

RT: 9.49 min Scan# 909

Delta R.T. 0.01 min

Lab File: VD046787.D

Acq: 18 Sep 2015 17:27

Instrument :

MSVOA_D

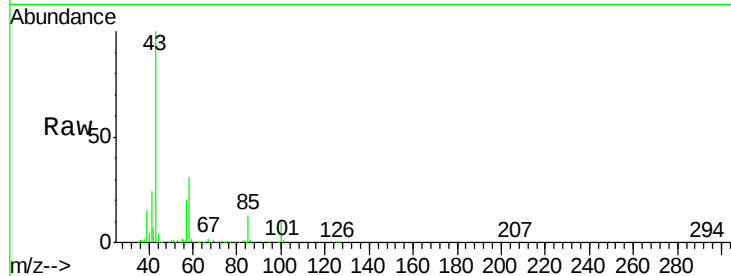
ClientSampleId :

Tot Ion: 43 Resp: 95559

Ion Ratio Lower Upper

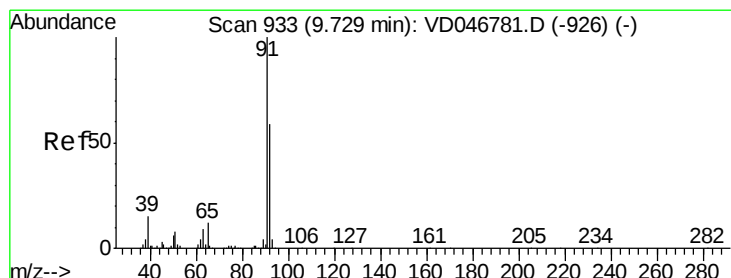
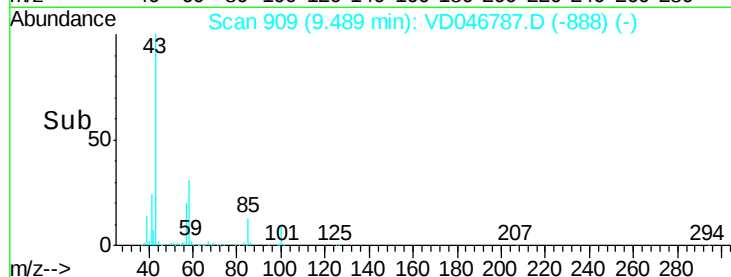
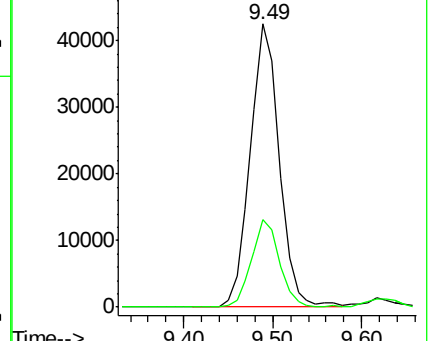
43 100

58 30.7 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: 21.19 ug/l

RT: 9.73 min Scan# 933

Delta R.T. -0.00 min

Lab File: VD046787.D

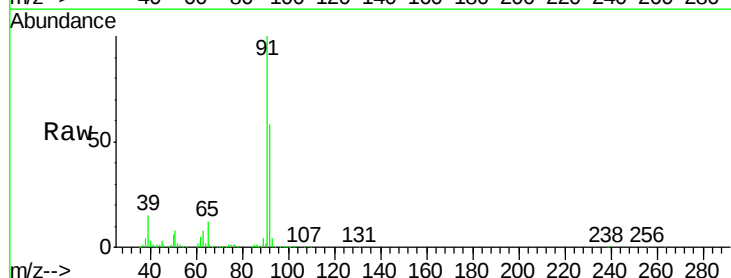
Acq: 18 Sep 2015 17:27

Tgt Ion: 92 Resp: 100096

Ion Ratio Lower Upper

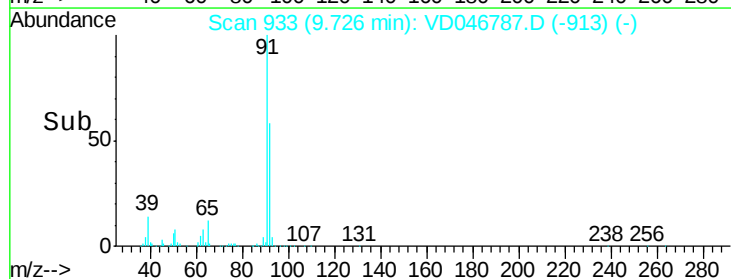
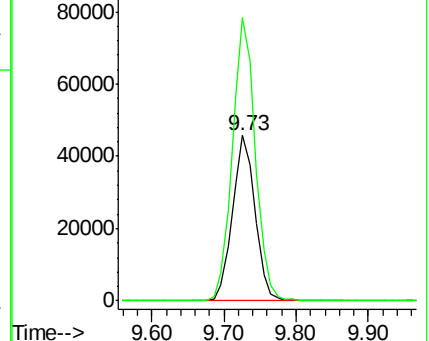
92 100

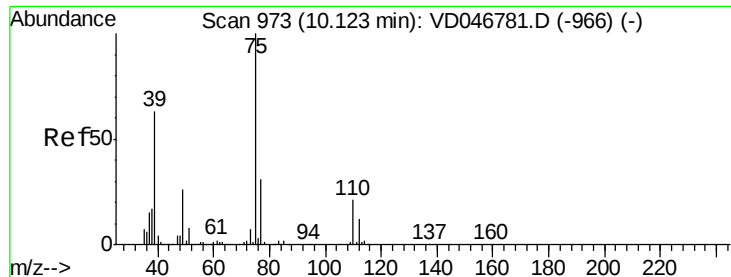
91 171.0 139.4 209.0



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 21.01 ug/l

RT: 10.13 min Scan# 974

Delta R.T. 0.01 min

Lab File: VD046787.D

Acq: 18 Sep 2015 17:27

Instrument :

MSVOA_D

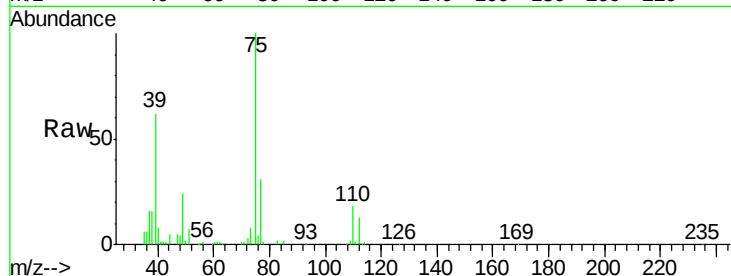
ClientSampleId :

Tot Ion: 75 Resp: 43851

Ion Ratio Lower Upper

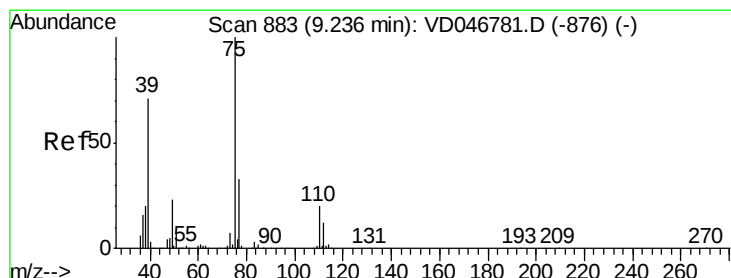
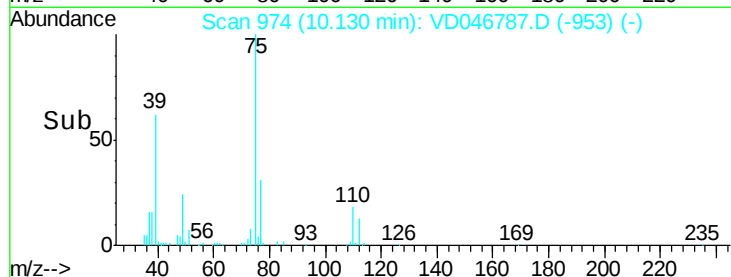
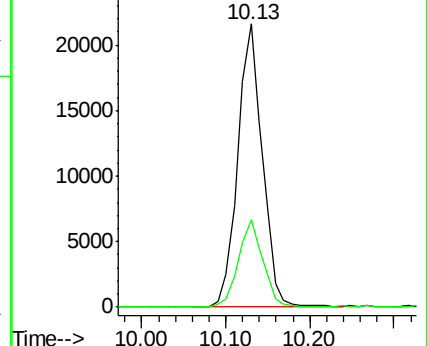
75 100

77 30.9 27.6 41.4



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 21.06 ug/l

RT: 9.24 min Scan# 884

Delta R.T. 0.01 min

Lab File: VD046787.D

Acq: 18 Sep 2015 17:27

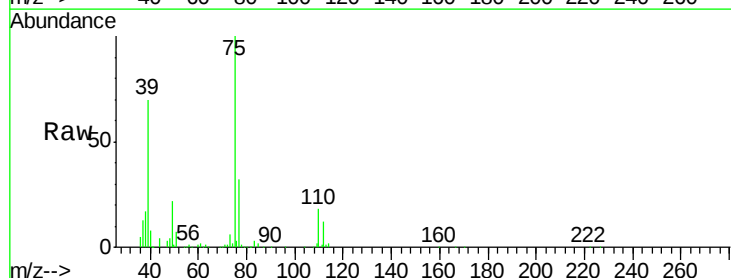
Tgt Ion: 75 Resp: 56615

Ion Ratio Lower Upper

75 100

77 31.8 23.8 35.6

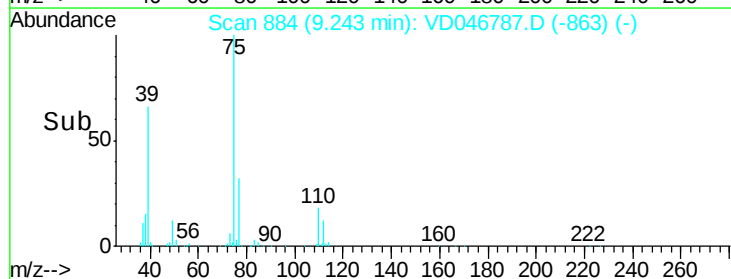
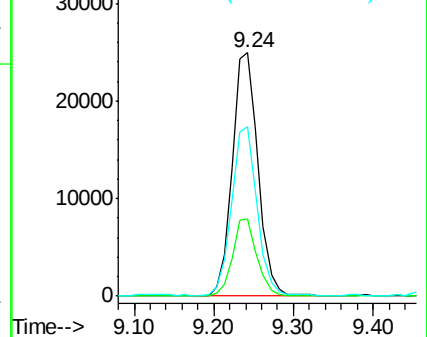
39 69.8 53.0 79.6

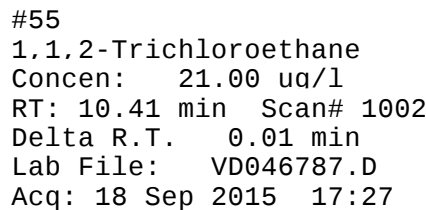


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

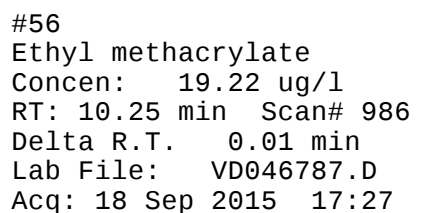
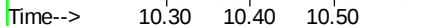
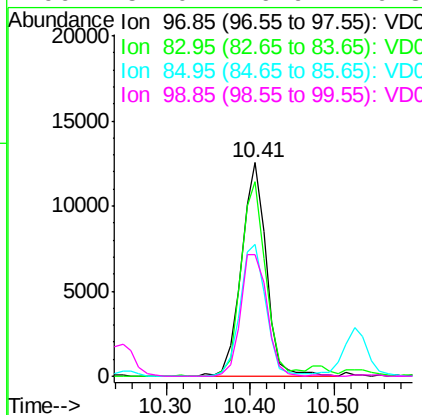
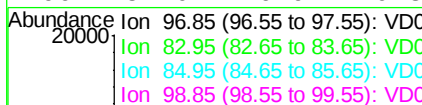
Ion 38.95 (38.65 to 39.65): VDC



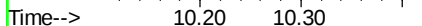
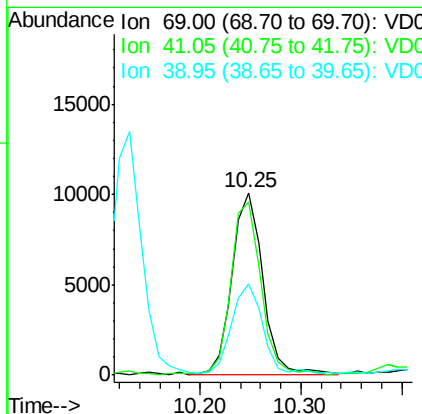


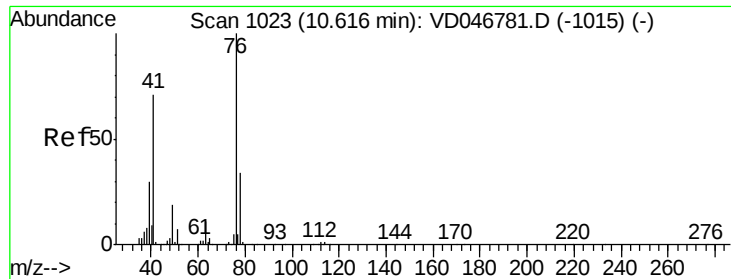
Instrument : MSVOA_D
ClientSampleId :

Tat	Ion: 97	Resp:	25677
Ion	Ratio	Lower	Upper
97	100		
83	91.3	75.3	112.9
85	61.6	50.9	76.3
99	57.0	46.9	70.3



Tgt	Ion: 69	Resp:	21106
Ion	Ratio	Lower	Upper
69	100		
41	94.9	75.4	113.0
39	50.3	41.0	61.4





#57

1,3-Dichloropropane

Concen: 20.18 ug/l

RT: 10.61 min Scan# 1023

Delta R.T. -0.00 min

Lab File: VD046787.D

Acq: 18 Sep 2015 17:27

Instrument :

MSVOA_D

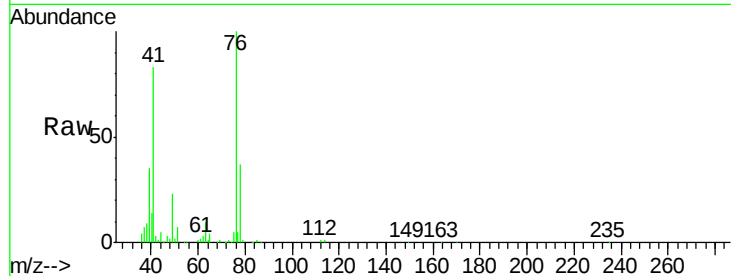
ClientSampleId :

Tot Ion: 76 Resp: 45893

Ion Ratio Lower Upper

76 100

78 37.4 26.6 39.8



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

25000

20000

15000

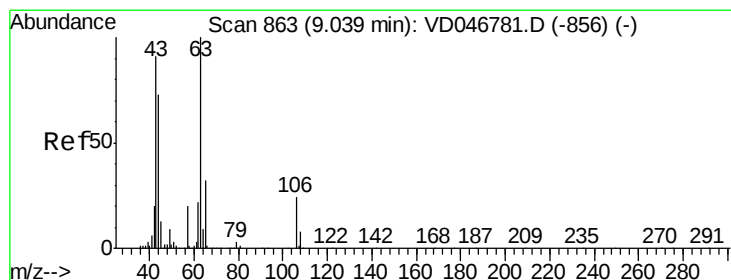
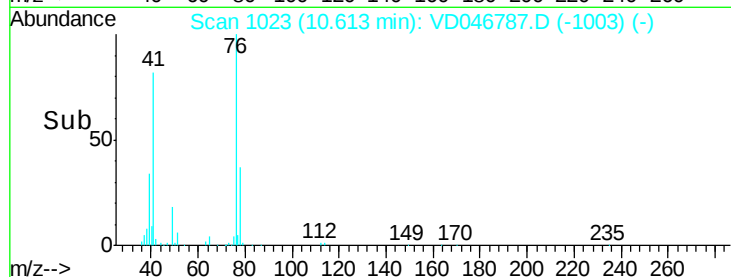
10000

5000

0

10.50 10.60 10.70 10.80

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 102.47 ug/l

RT: 9.04 min Scan# 863

Delta R.T. -0.00 min

Lab File: VD046787.D

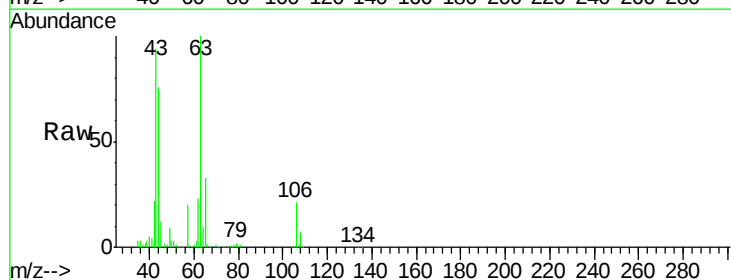
Acq: 18 Sep 2015 17:27

Tgt Ion: 63 Resp: 59478

Ion Ratio Lower Upper

63 100

106 21.2 17.8 26.8



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

30000

25000

20000

15000

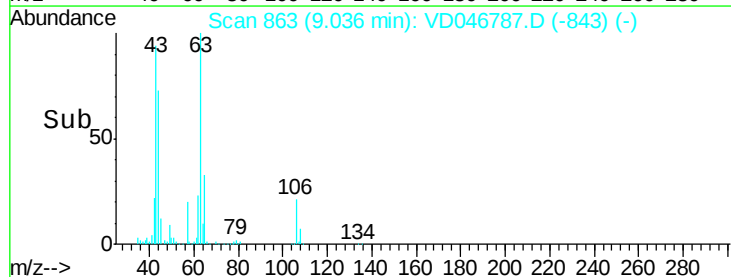
10000

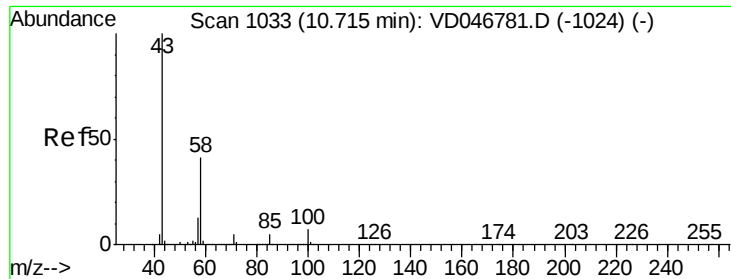
5000

0

8.90 9.00 9.10

Time-->

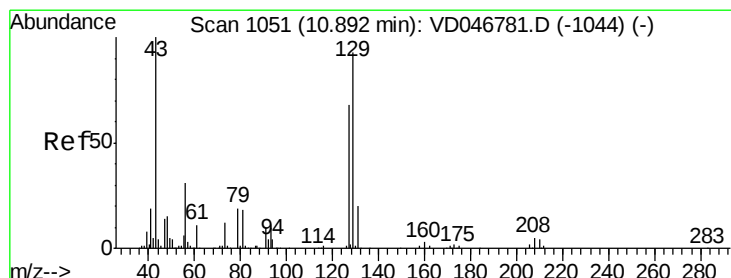
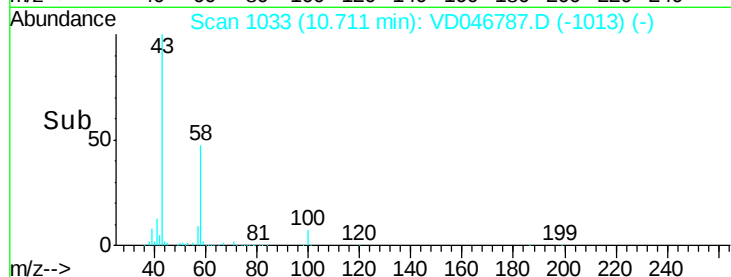
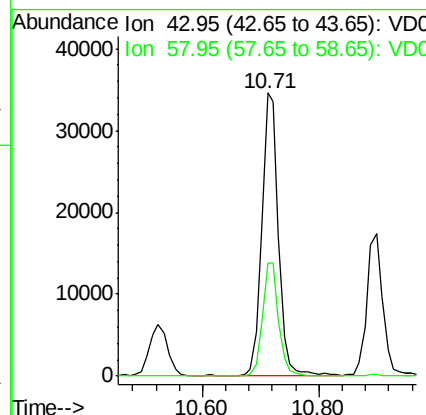
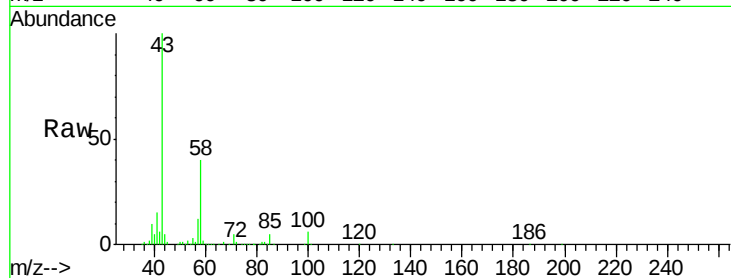




#59
2-Hexanone
Concen: 105.52 ug/l
RT: 10.71 min Scan# 1033
Delta R.T. -0.00 min
Lab File: VD046787.D
Acq: 18 Sep 2015 17:27

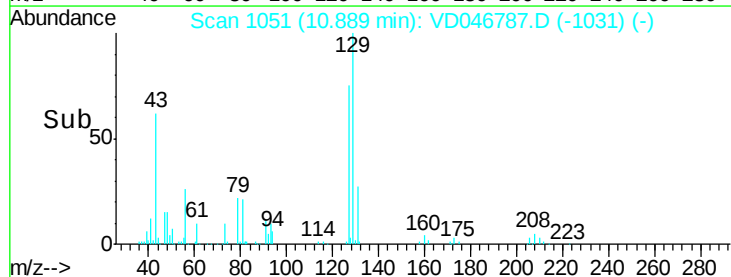
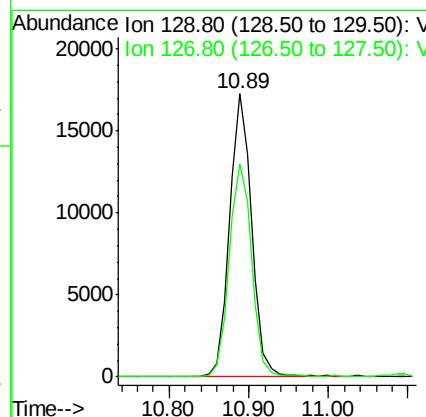
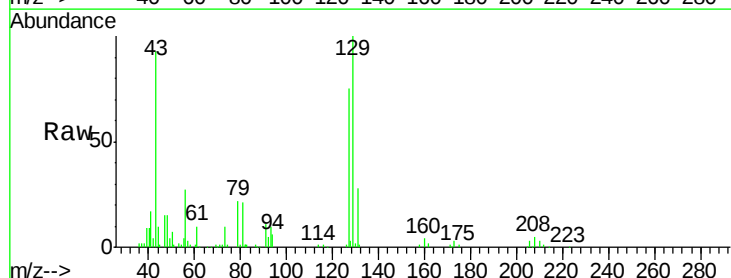
Instrument :
MSVOA_D
ClientSampleId :

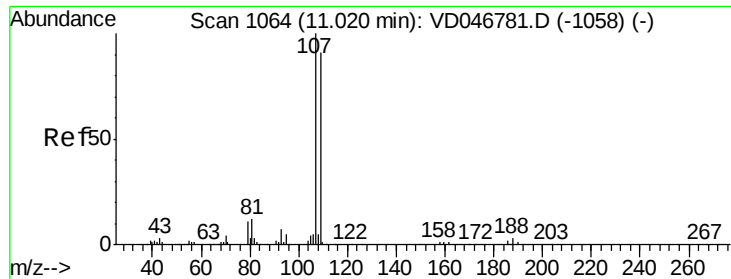
Tot Ion: 43 Resp: 69965
Ion Ratio Lower Upper
43 100
58 39.9 18.6 55.8



#60
Dibromochloromethane
Concen: 20.09 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VD046787.D
Acq: 18 Sep 2015 17:27

Tgt Ion: 129 Resp: 33723
Ion Ratio Lower Upper
129 100
127 75.5 38.2 114.6





#61

1,2-Dibromoethane

Concen: 20.35 ug/l

RT: 11.03 min Scan# 1065

Delta R.T. 0.01 min

Lab File: VD046787.D

Acq: 18 Sep 2015 17:27

Instrument :

MSVOA_D

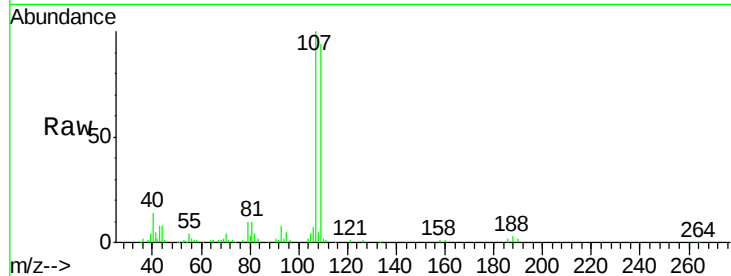
ClientSampled :

Tot Ion:107 Resp: 24572

Ion Ratio Lower Upper

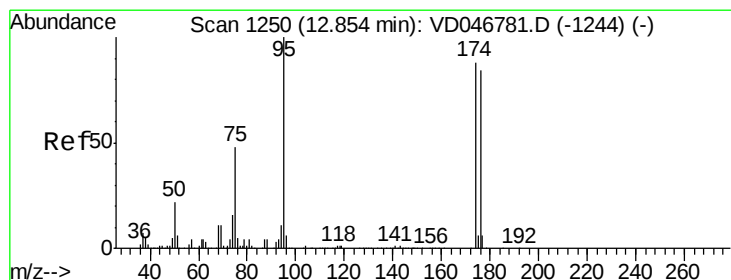
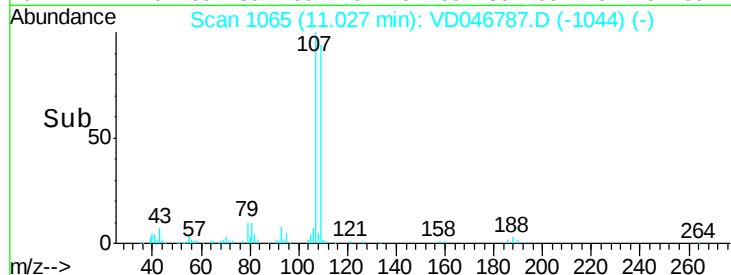
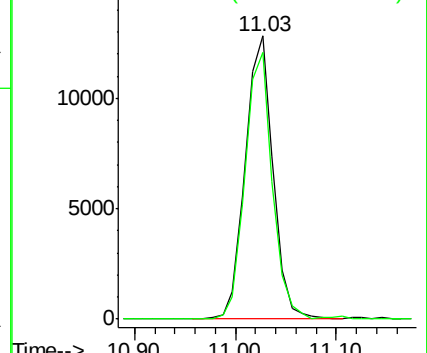
107 100

109 94.2 71.4 107.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 20.35 ug/l

RT: 12.85 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VD046787.D

Acq: 18 Sep 2015 17:27

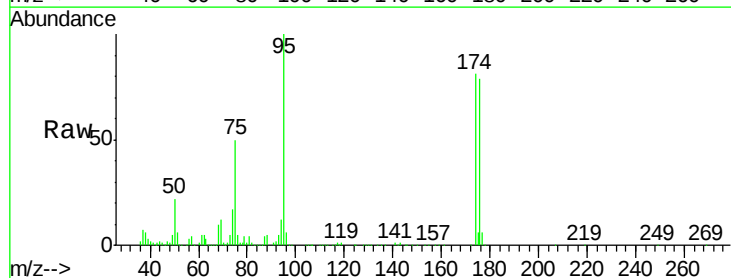
Tgt Ion: 95 Resp: 130637

Ion Ratio Lower Upper

95 100

174 81.0 0.0 149.8

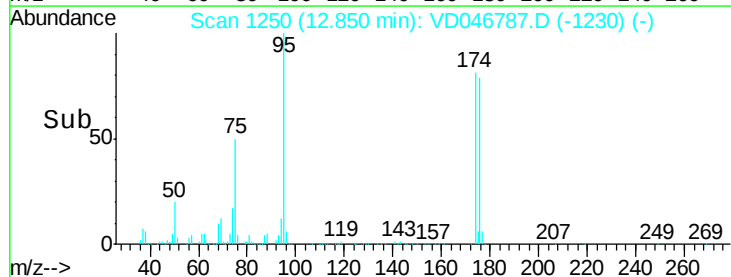
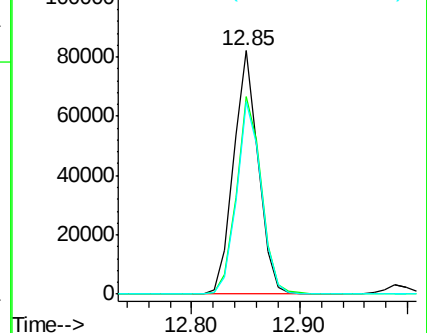
176 78.9 0.0 143.4

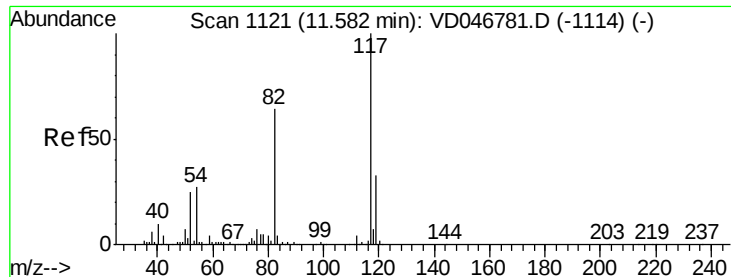


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

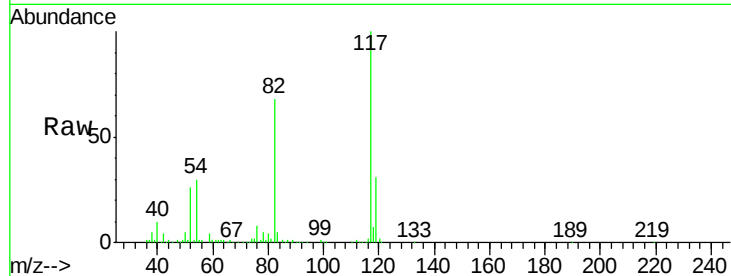




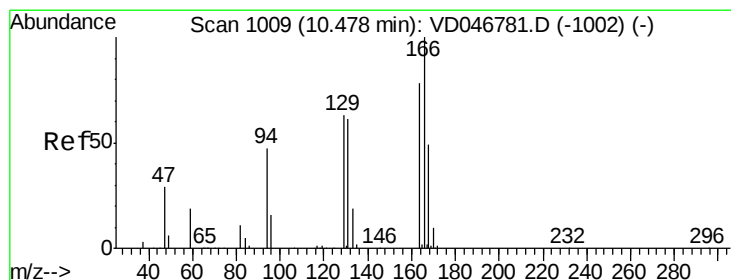
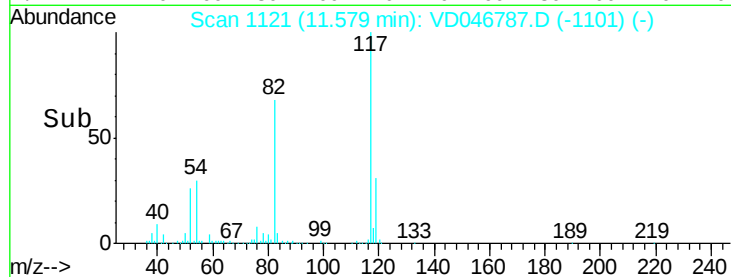
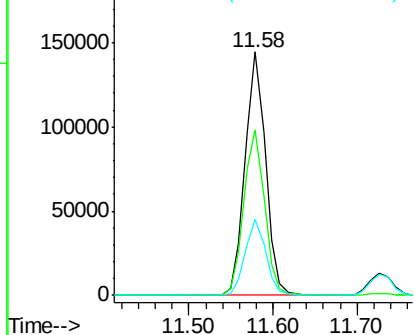
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.58 min Scan# 1121
Delta R.T. -0.00 min
Lab File: VD046787.D
Acq: 18 Sep 2015 17:27

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 247071
Ion Ratio Lower Upper
117 100
82 67.9 50.6 75.8
119 31.3 25.8 38.8

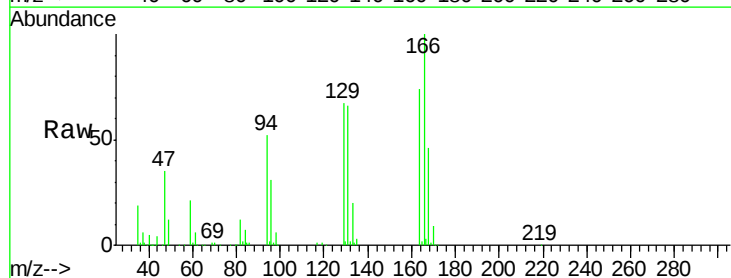


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

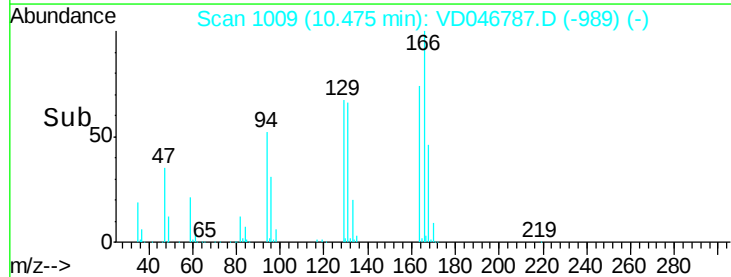
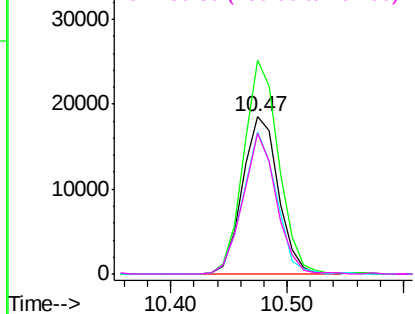


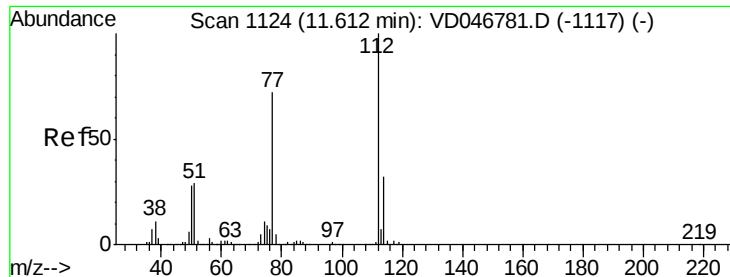
#64
Tetrachloroethene
Concen: 19.79 ug/l
RT: 10.47 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VD046787.D
Acq: 18 Sep 2015 17:27

Tgt Ion:164 Resp: 39477
Ion Ratio Lower Upper
164 100
166 135.9 106.8 160.2
129 90.7 70.6 106.0
131 89.5 66.6 100.0



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

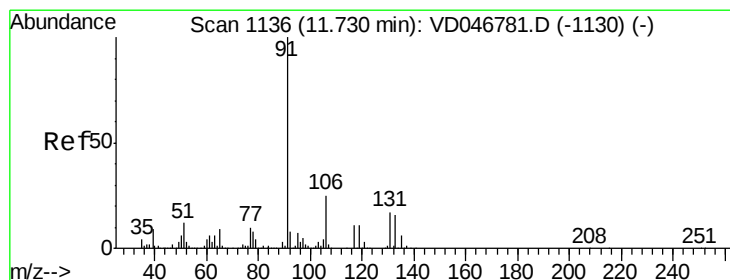
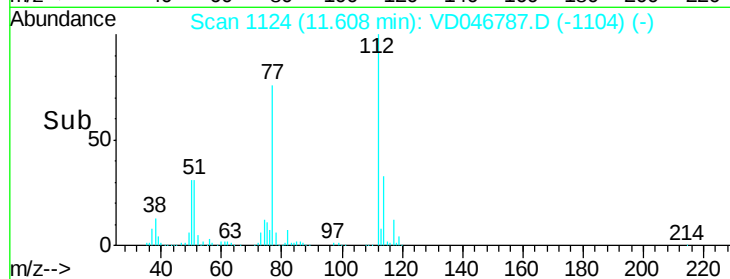
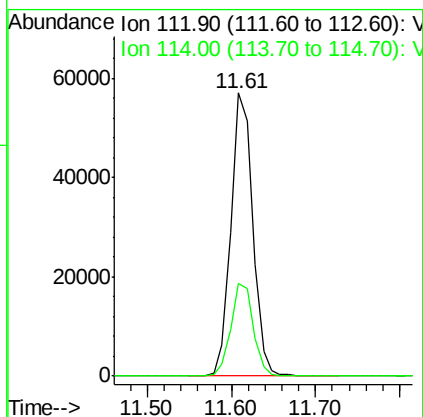
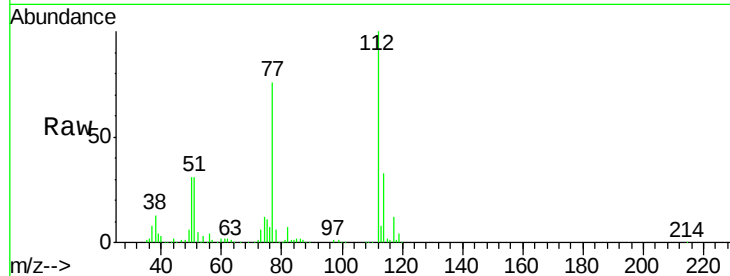




#65
Chlorobenzene
Concen: 19.90 ug/l
RT: 11.61 min Scan# 1124
Delta R.T. -0.00 min
Lab File: VD046787.D
Acq: 18 Sep 2015 17:27

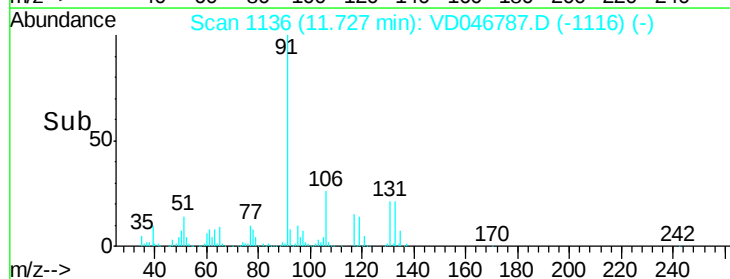
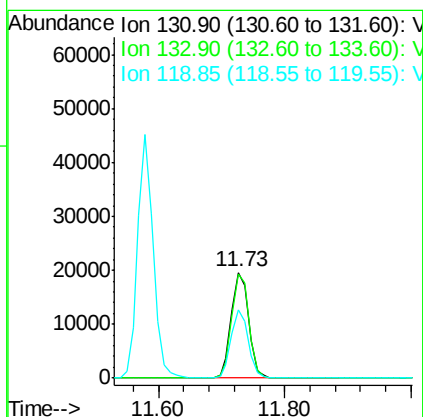
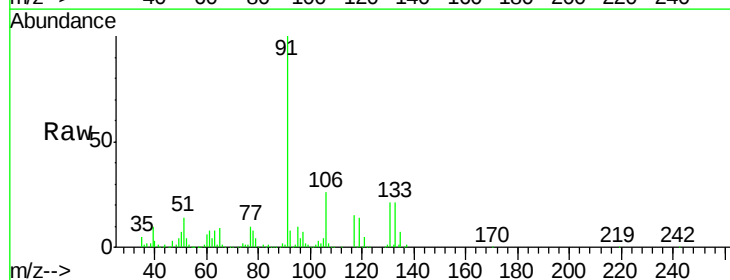
Instrument :
MSVOA_D
ClientSampleId :

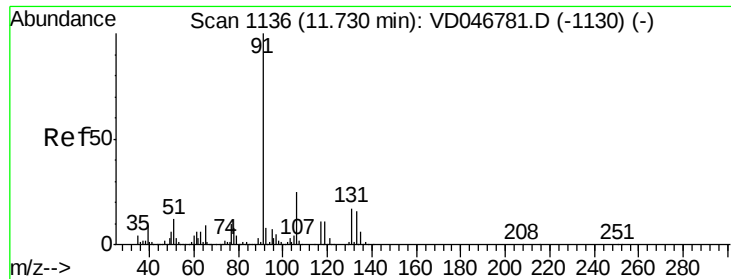
Tot Ion:112 Resp: 103487
Ion Ratio Lower Upper
112 100
114 32.8 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 19.55 ug/l
RT: 11.73 min Scan# 1136
Delta R.T. -0.00 min
Lab File: VD046787.D
Acq: 18 Sep 2015 17:27

Tgt Ion:131 Resp: 37341
Ion Ratio Lower Upper
131 100
133 98.4 48.4 145.0
119 64.7 31.5 94.5





#67

Ethyl Benzene

Concen: 20.35 ug/l

RT: 11.74 min Scan# 1137

Delta R.T. 0.01 min

Lab File: VD046787.D

Acq: 18 Sep 2015 17:27

Instrument :

MSVOA_D

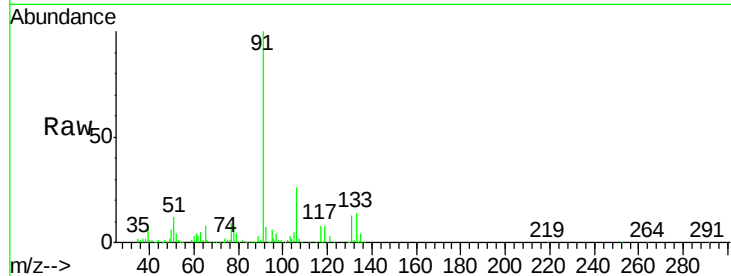
ClientSampleId :

Tot Ion: 91 Resp: 212649

Ion Ratio Lower Upper

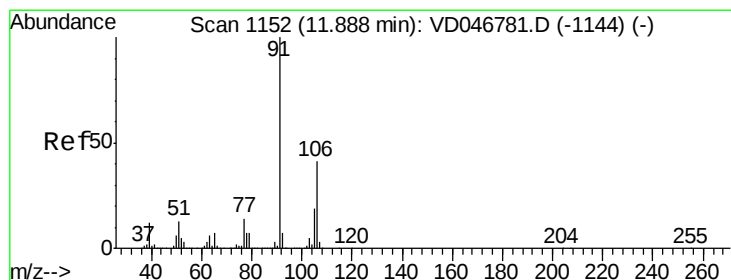
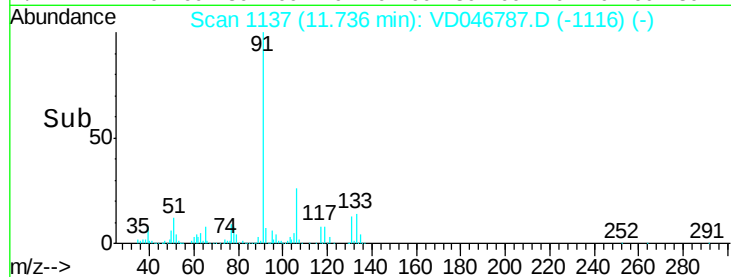
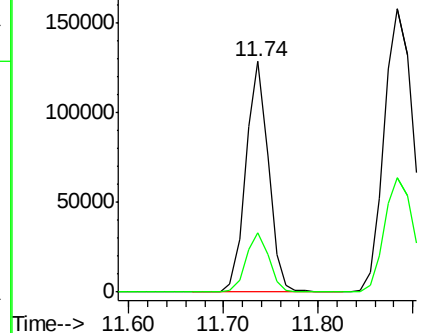
91 100

106 25.6 20.2 30.2



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.05 (105.75 to 106.75): VDC



#68

m/p-Xylenes

Concen: 41.22 ug/l

RT: 11.88 min Scan# 1152

Delta R.T. -0.00 min

Lab File: VD046787.D

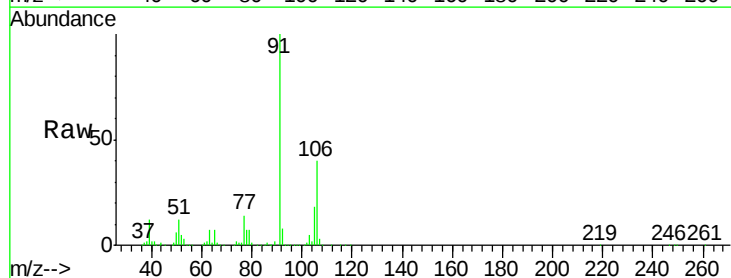
Acq: 18 Sep 2015 17:27

Tgt Ion: 106 Resp: 135823

Ion Ratio Lower Upper

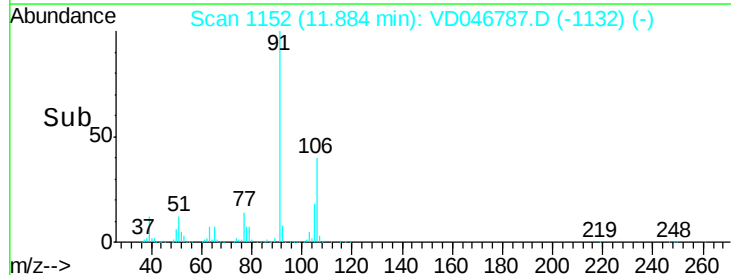
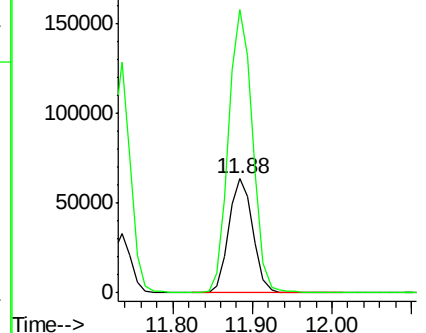
106 100

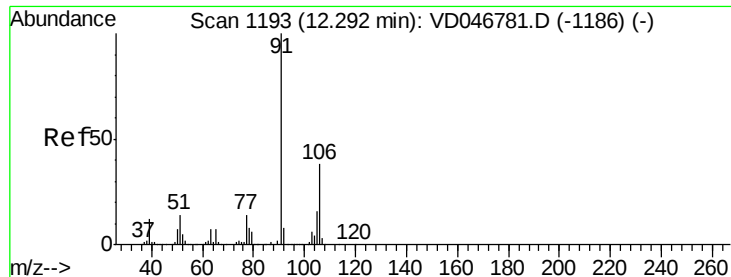
91 247.7 187.9 281.9



Abundance Ion 106.05 (105.75 to 106.75): VDC

Ion 91.00 (90.70 to 91.70): VDC

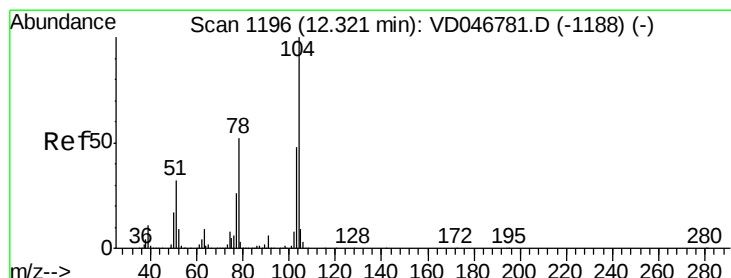
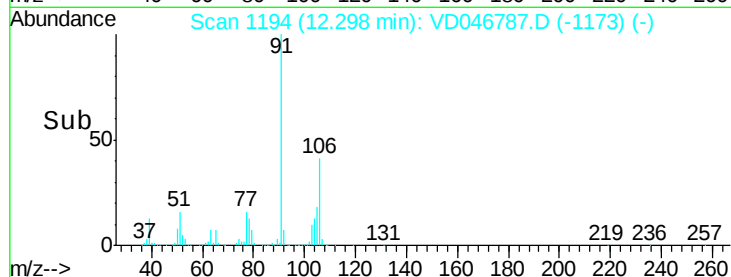
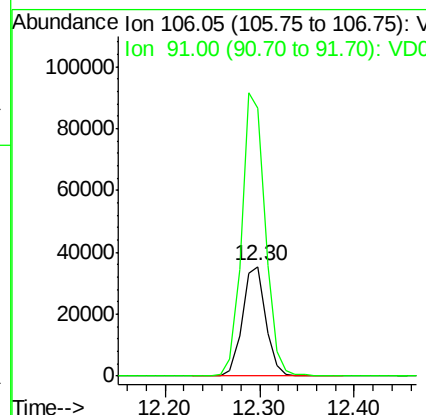
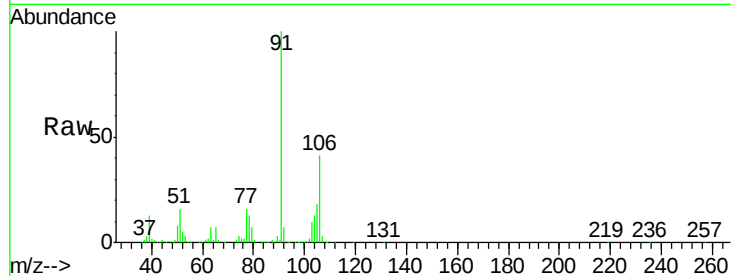




#69
o-Xylene
Concen: 20.49 ug/l
RT: 12.30 min Scan# 1194
Delta R.T. 0.01 min
Lab File: VD046787.D
Acq: 18 Sep 2015 17:27

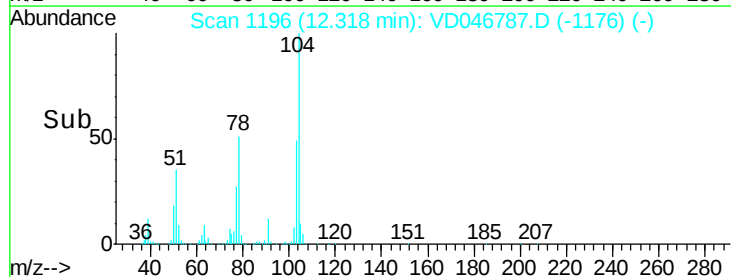
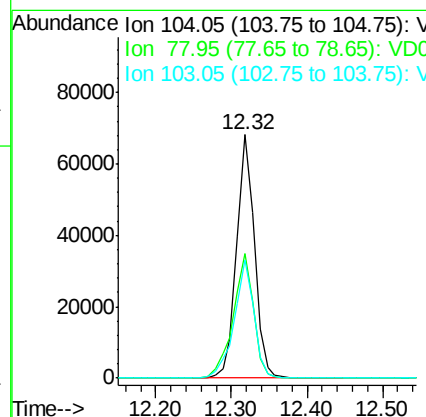
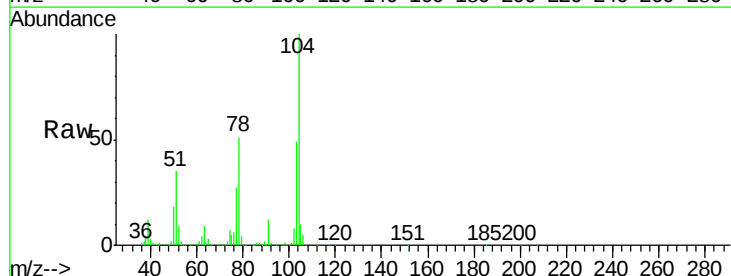
Instrument :
MSVOA_D
ClientSampled :

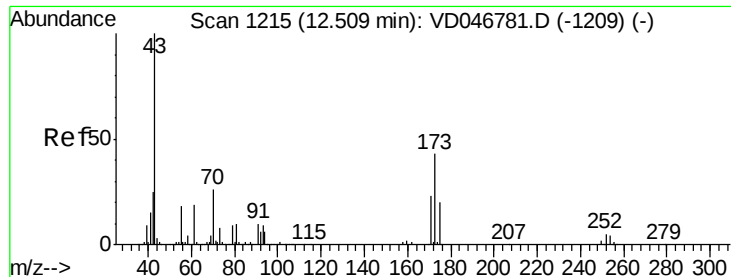
Tot Ion:106 Resp: 60776
Ion Ratio Lower Upper
106 100
91 244.2 124.8 374.5



#70
Styrene
Concen: 21.53 ug/l
RT: 12.32 min Scan# 1196
Delta R.T. -0.00 min
Lab File: VD046787.D
Acq: 18 Sep 2015 17:27

Tgt Ion:104 Resp: 110712
Ion Ratio Lower Upper
104 100
78 51.2 44.5 66.7
103 48.8 40.3 60.5

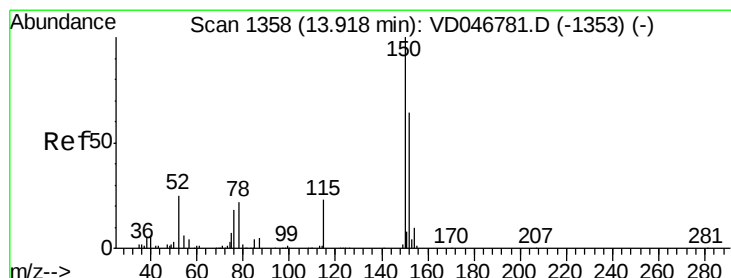
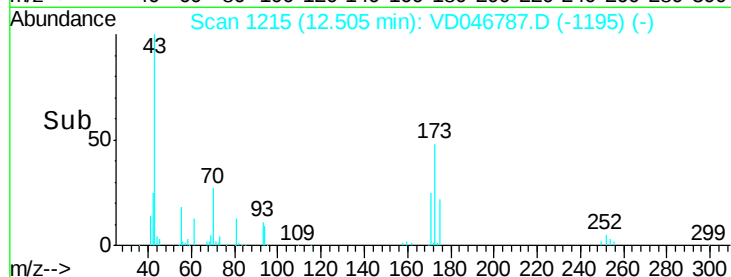
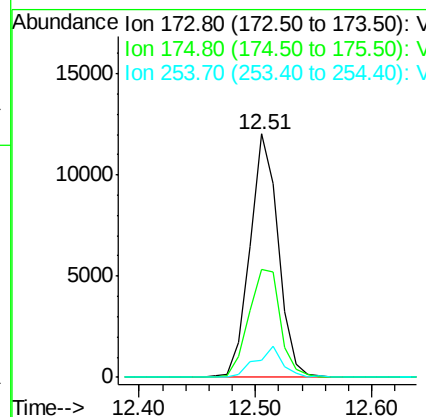
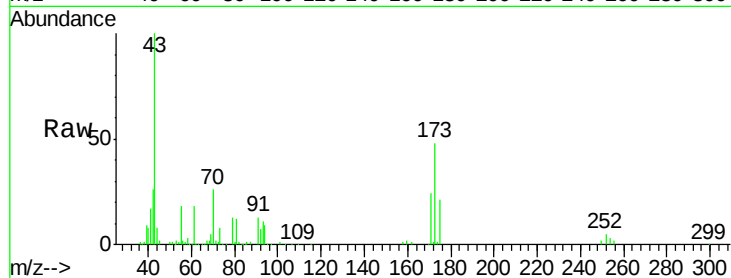




#71
Bromoform
Concen: 19.83 ug/l
RT: 12.51 min Scan# 1215
Delta R.T. -0.00 min
Lab File: VD046787.D
Acq: 18 Sep 2015 17:27

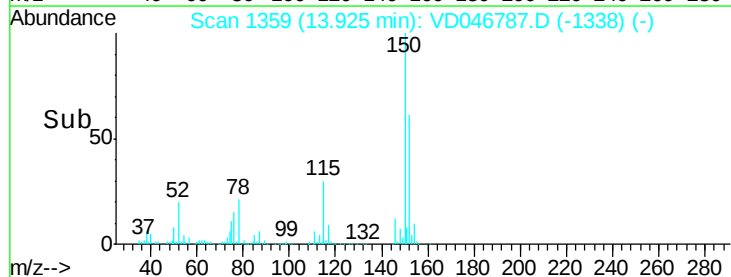
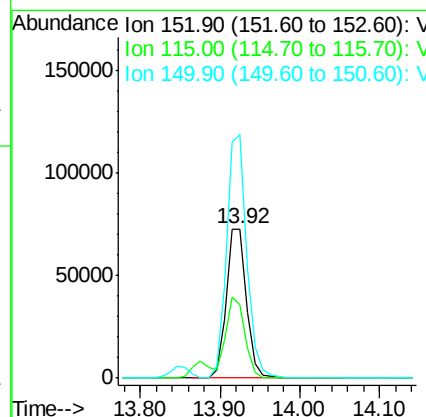
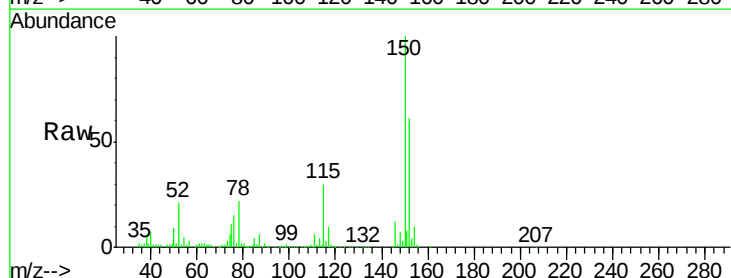
Instrument :
MSVOA_D
ClientSampleId :

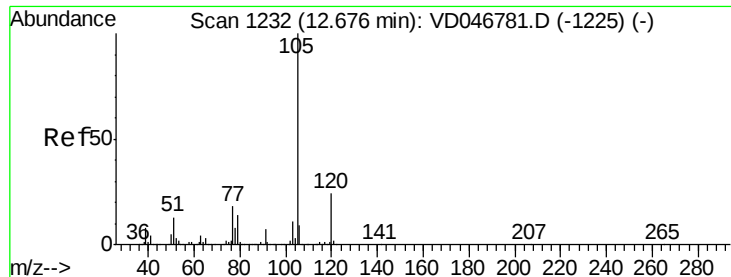
Tot Ion:173 Resp: 20176
Ion Ratio Lower Upper
173 100
175 44.6 23.1 69.3
254 7.2 8.7 13.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.92 min Scan# 1359
Delta R.T. 0.01 min
Lab File: VD046787.D
Acq: 18 Sep 2015 17:27

Tgt Ion:152 Resp: 130107
Ion Ratio Lower Upper
152 100
115 49.5 26.2 78.6
150 163.3 0.0 311.8





#73

Isopropylbenzene

Concen: 20.45 ug/l

RT: 12.67 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VD046787.D

Acq: 18 Sep 2015 17:27

Instrument :

MSVOA_D

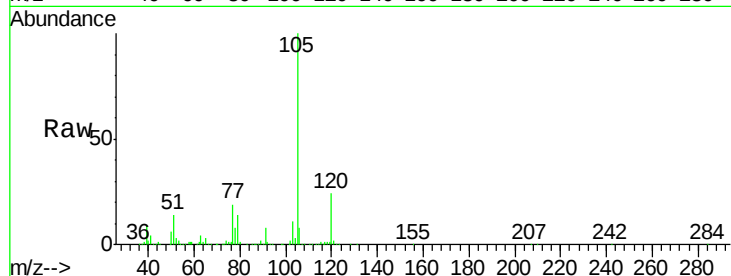
ClientSampleId :

Tot Ion:105 Resp: 187568

Ion Ratio Lower Upper

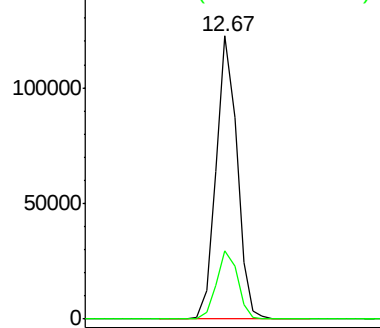
105 100

120 23.9 12.4 37.4

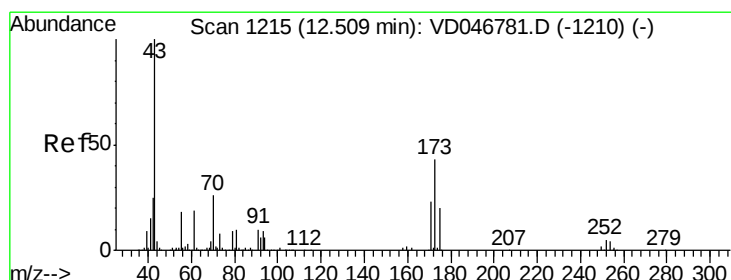
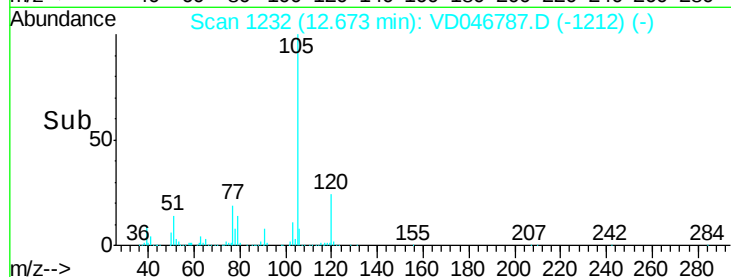


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



Time-->



#74

N-ethyl acetate

Concen: 20.06 ug/l

RT: 12.51 min Scan# 1215

Delta R.T. -0.00 min

Lab File: VD046787.D

Acq: 18 Sep 2015 17:27

Tgt Ion: 43 Resp: 39089

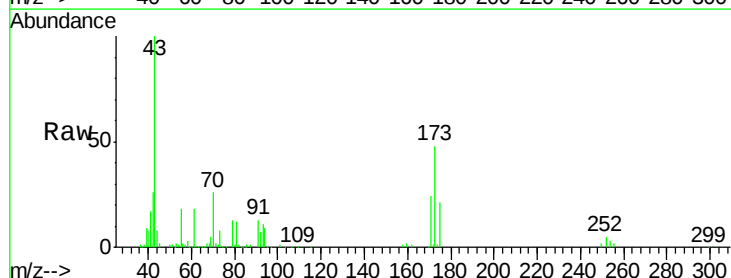
Ion Ratio Lower Upper

43 100

70 26.4 22.1 33.1

55 18.5 14.5 21.7

61 18.4 14.6 21.8

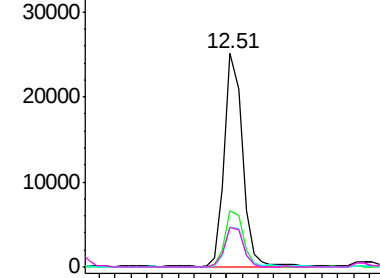


Abundance Ion 42.95 (42.65 to 43.65): VDC

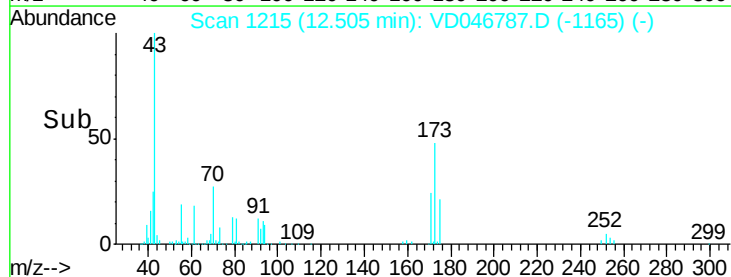
Ion 70.00 (69.70 to 70.70): VDC

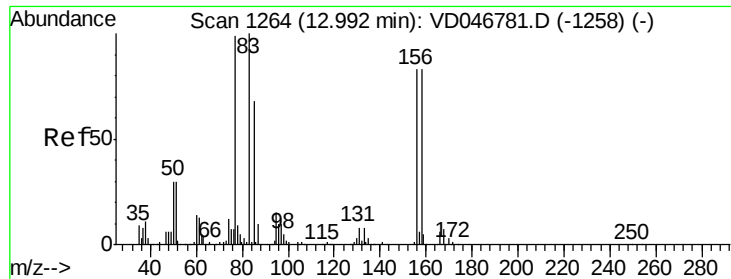
Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC



Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.73 ug/l

RT: 12.99 min Scan# 1264

Delta R.T. -0.00 min

Lab File: VD046787.D

Acq: 18 Sep 2015 17:27

Instrument :

MSVOA_D

ClientSampleId :

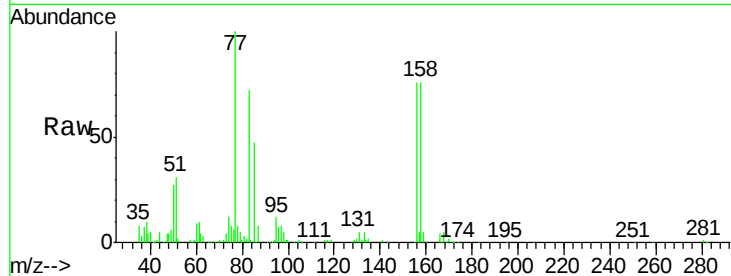
Tot Ion: 83 Resp: 30686

Ion Ratio Lower Upper

83 100

131 7.0 3.9 11.7

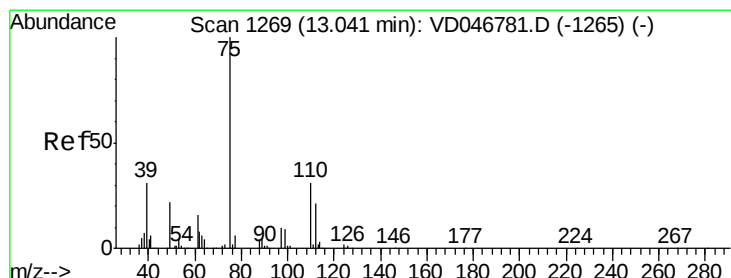
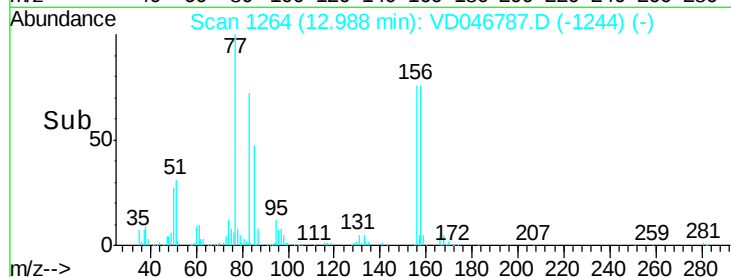
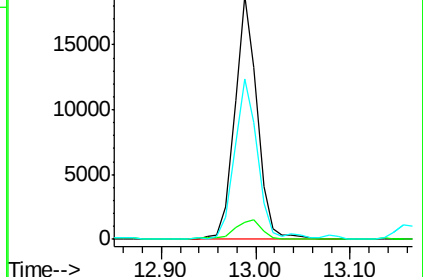
85 65.7 30.5 91.5



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 20.08 ug/l

RT: 13.04 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VD046787.D

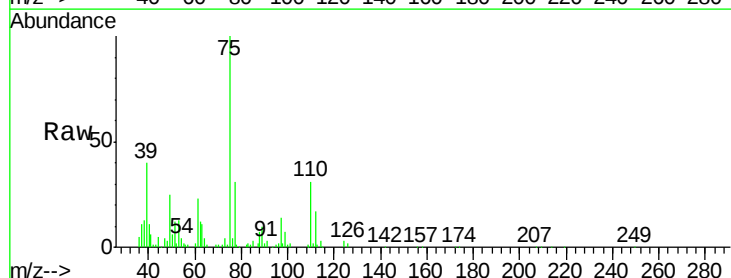
Acq: 18 Sep 2015 17:27

Tgt Ion: 75 Resp: 31797

Ion Ratio Lower Upper

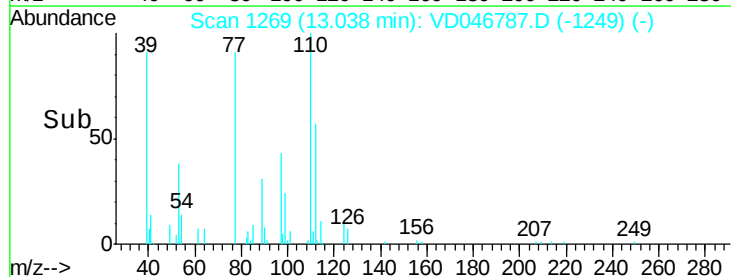
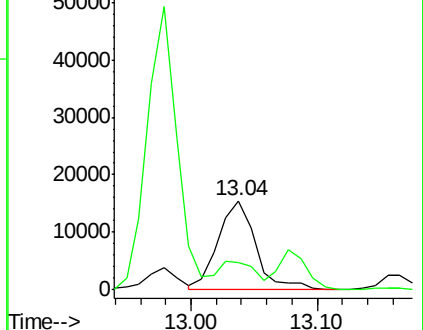
75 100

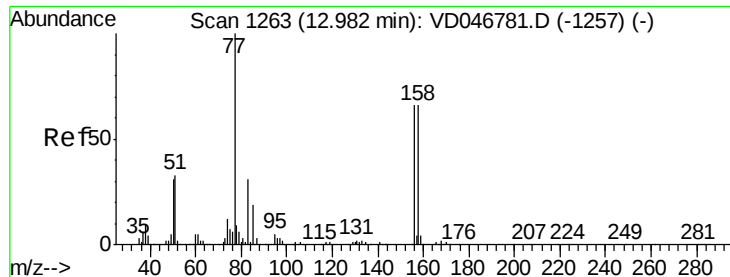
77 31.0 16.0 48.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 20.28 ug/l

RT: 12.98 min Scan# 1263

Delta R.T. -0.00 min

Lab File: VD046787.D

Acq: 18 Sep 2015 17:27

Instrument :

MSVOA_D

ClientSampleId :

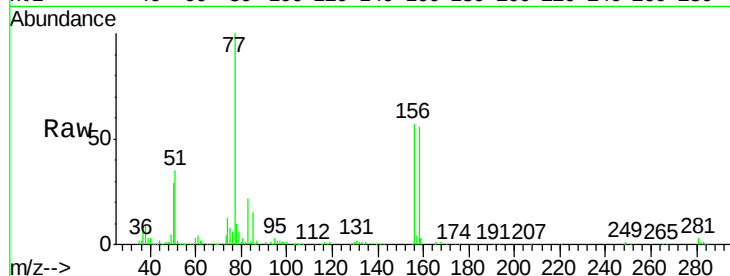
Tot Ion:156 Resp: 46772

Ion Ratio Lower Upper

156 100

77 174.9 70.3 210.8

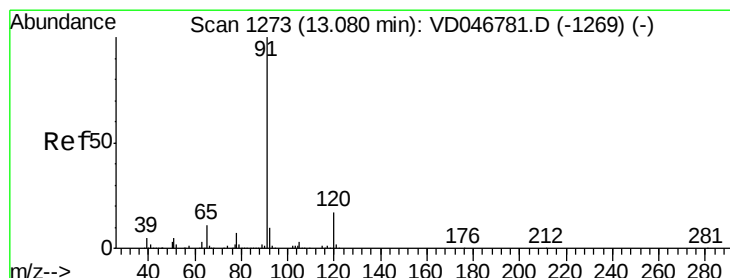
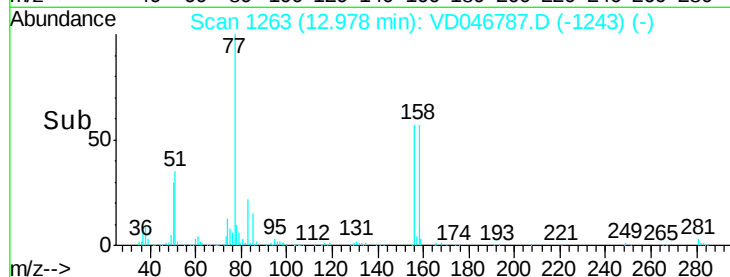
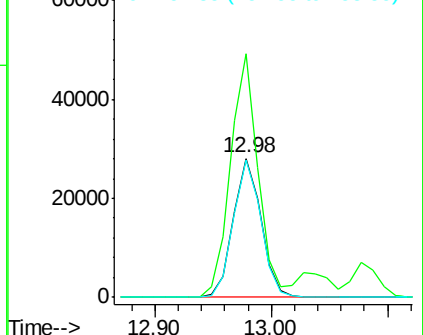
158 98.7 49.0 147.0



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 20.79 ug/l

RT: 13.08 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VD046787.D

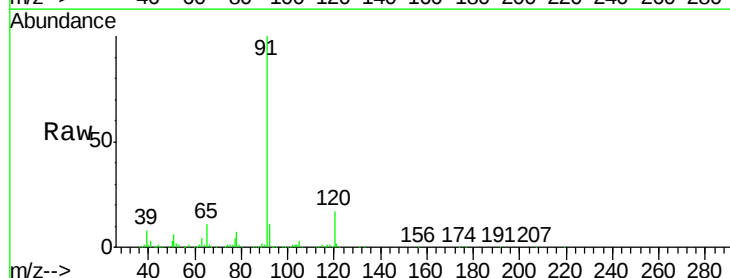
Acq: 18 Sep 2015 17:27

Tgt Ion: 91 Resp: 269294

Ion Ratio Lower Upper

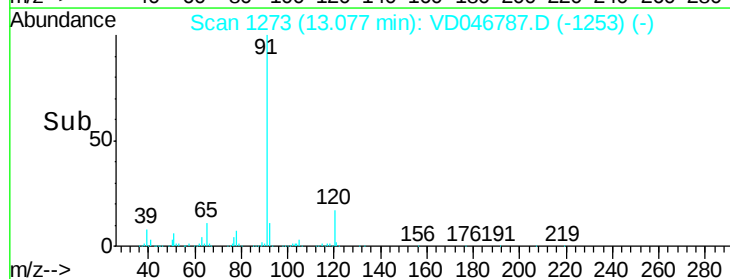
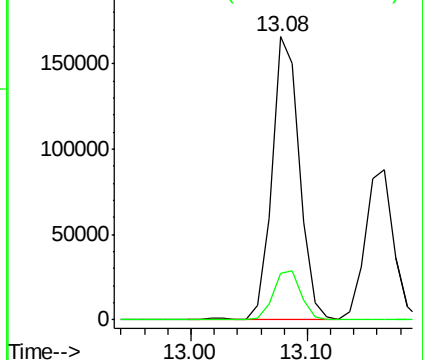
91 100

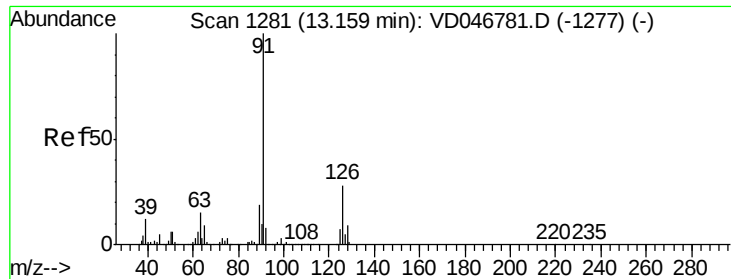
120 16.5 9.3 27.7



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

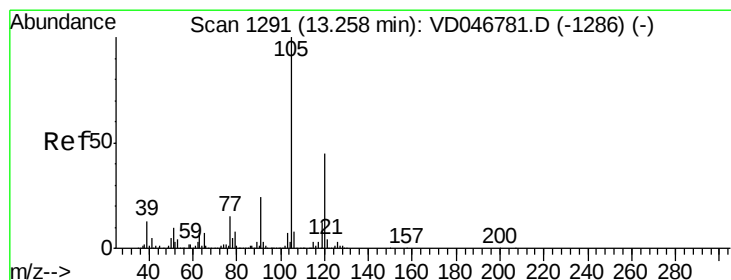
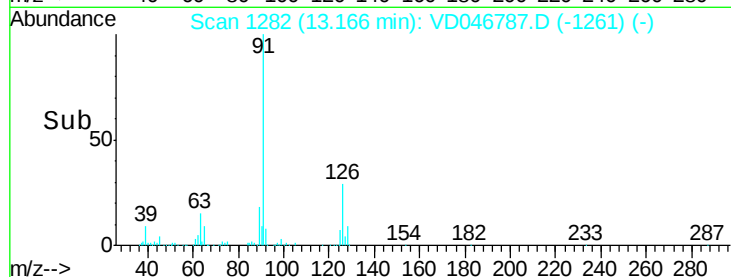
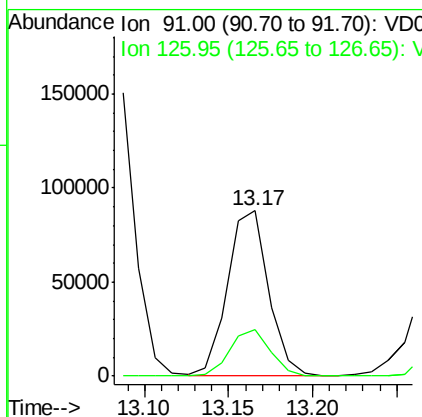
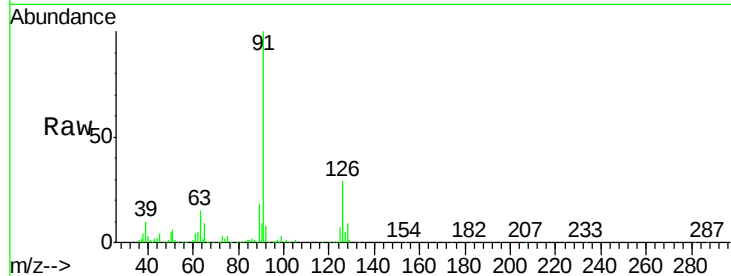




#79
 2-Chlorotoluene
 Concen: 20.54 ug/l
 RT: 13.17 min Scan# 1282
 Delta R.T. 0.01 min
 Lab File: VD046787.D
 Acq: 18 Sep 2015 17:27

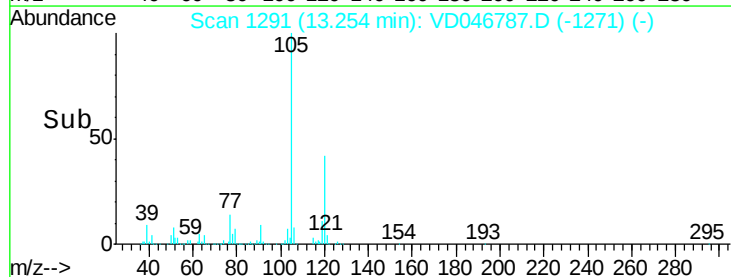
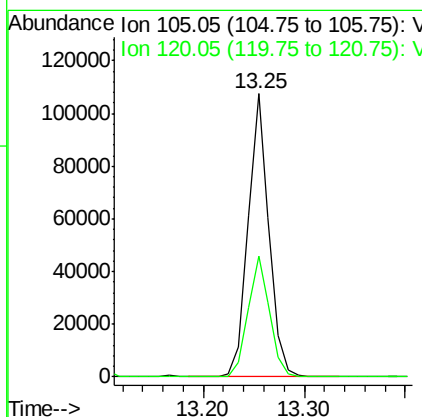
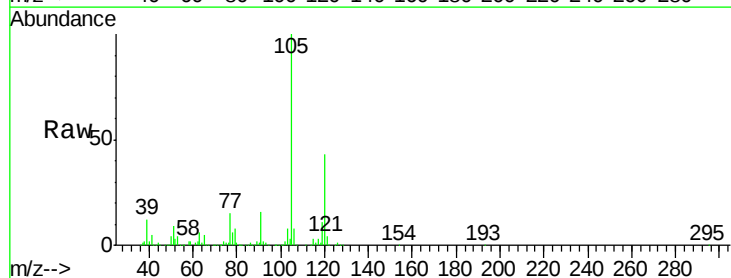
Instrument :
 MSVOA_D
 ClientSampleId :

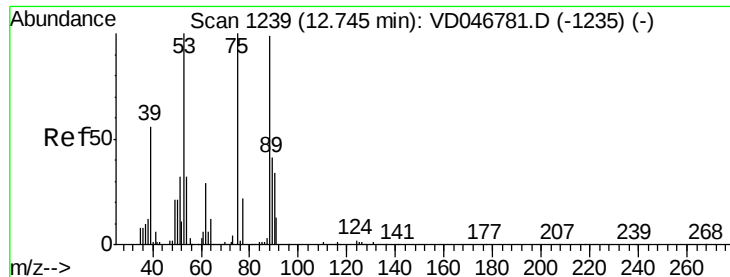
Tot Ion: 91 Resp: 147722
 Ion Ratio Lower Upper
 91 100
 126 28.5 14.1 42.4



#80
 1,3,5-Trimethylbenzene
 Concen: 21.17 ug/l
 RT: 13.25 min Scan# 1291
 Delta R.T. -0.00 min
 Lab File: VD046787.D
 Acq: 18 Sep 2015 17:27

Tgt Ion:105 Resp: 154721
 Ion Ratio Lower Upper
 105 100
 120 42.8 22.3 66.8





#81

trans-1,4-Dichloro-2-butene

Concen: 20.37 ug/l

RT: 12.74 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VD046787.D

Acq: 18 Sep 2015 17:27

Instrument :

MSVOA_D

ClientSampleId :

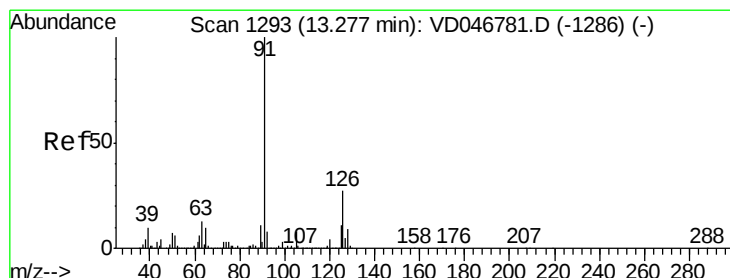
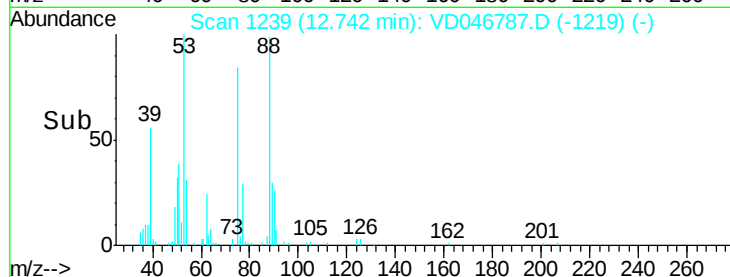
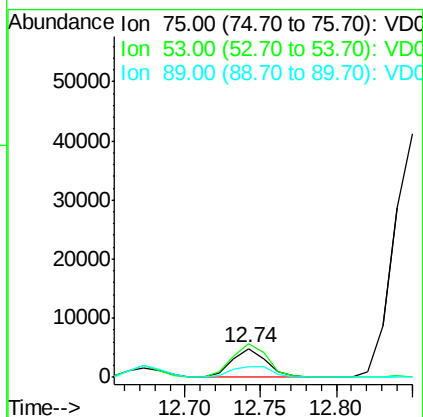
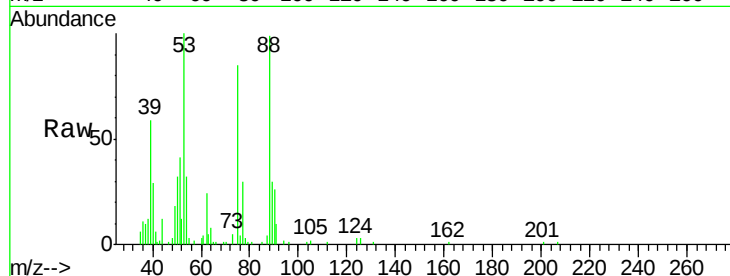
Tot Ion: 75 Resp: 7825

Ion Ratio Lower Upper

75 100

53 117.3 82.3 123.5

89 34.8 36.6 54.8#



#82

4-Chlorotoluene

Concen: 20.65 ug/l

RT: 13.27 min Scan# 1293

Delta R.T. -0.00 min

Lab File: VD046787.D

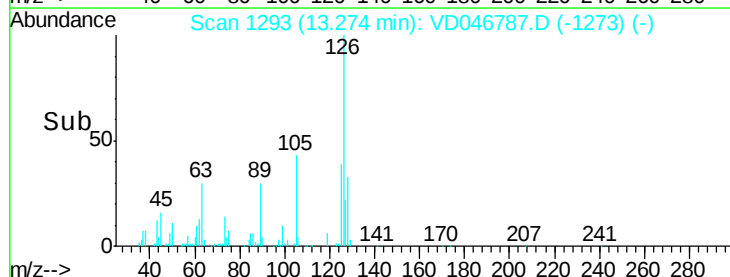
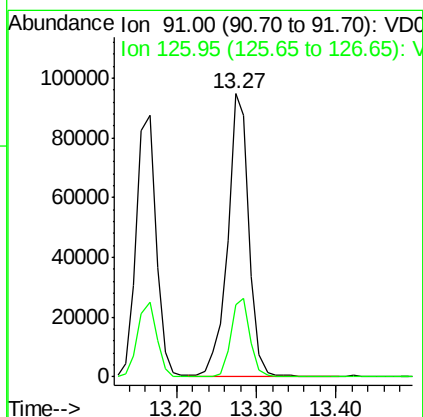
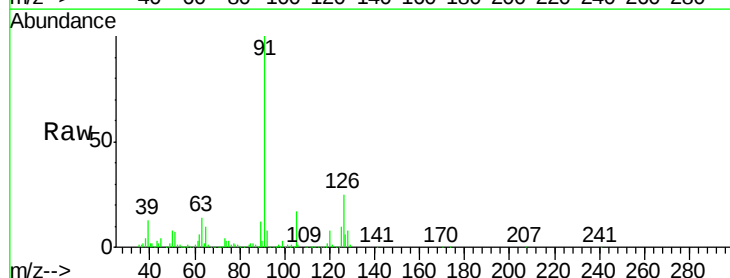
Acq: 18 Sep 2015 17:27

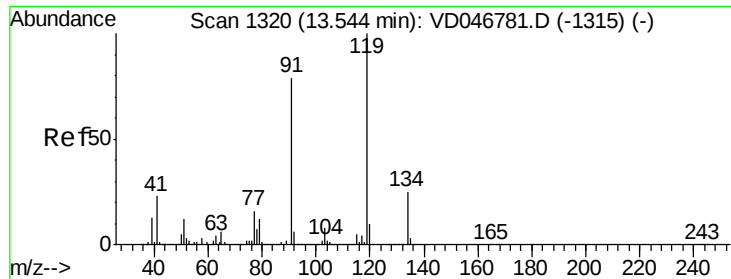
Tgt Ion: 91 Resp: 176773

Ion Ratio Lower Upper

91 100

126 25.4 14.1 42.4

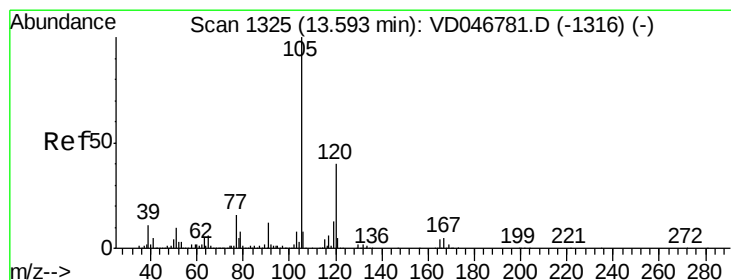
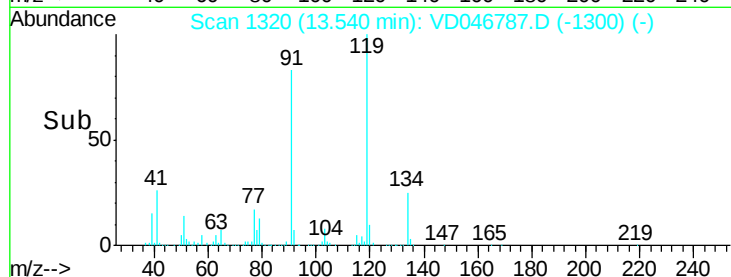
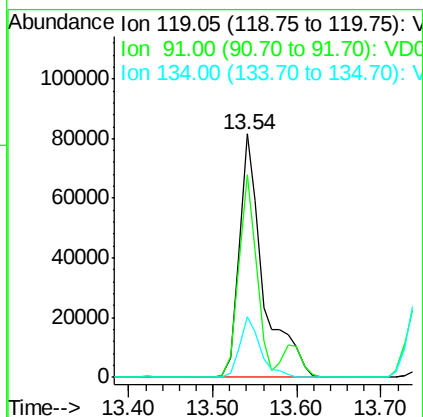
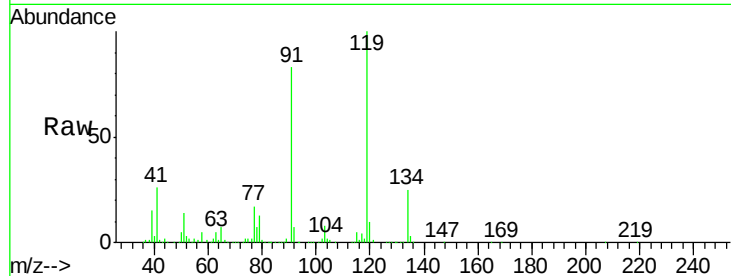




#83
 tert-Butylbenzene
 Concen: 24.51 ug/l
 RT: 13.54 min Scan# 1320
 Delta R.T. -0.00 min
 Lab File: VD046787.D
 Acq: 18 Sep 2015 17:27

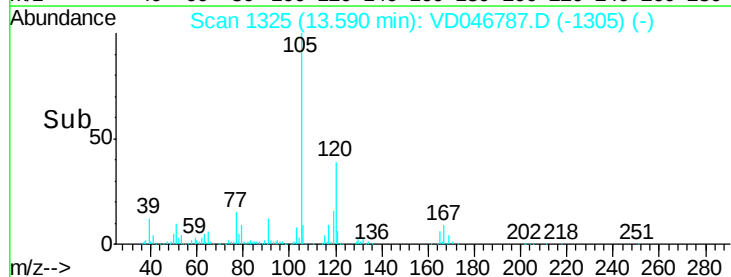
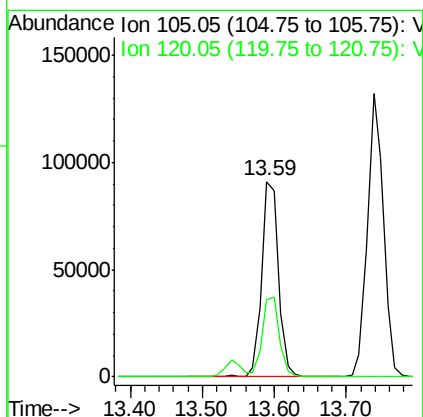
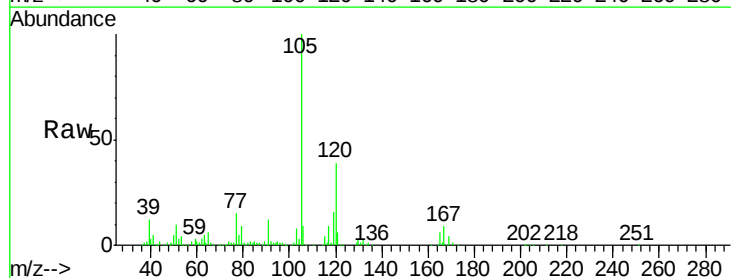
Instrument :
 MSVOA_D
 ClientSampleId :

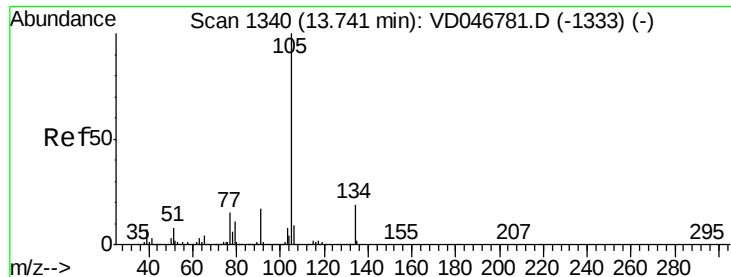
Tot Ion:119 Resp: 161538
 Ion Ratio Lower Upper
 119 100
 91 83.2 41.6 124.9
 134 24.8 12.4 37.4



#84
 1,2,4-Trimethylbenzene
 Concen: 20.55 ug/l
 RT: 13.59 min Scan# 1325
 Delta R.T. -0.00 min
 Lab File: VD046787.D
 Acq: 18 Sep 2015 17:27

Tgt Ion:105 Resp: 151171
 Ion Ratio Lower Upper
 105 100
 120 39.4 21.1 63.1





#85

sec-Butylbenzene

Concen: 20.94 ug/l

RT: 13.74 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VD046787.D

Acq: 18 Sep 2015 17:27

Instrument :

MSVOA_D

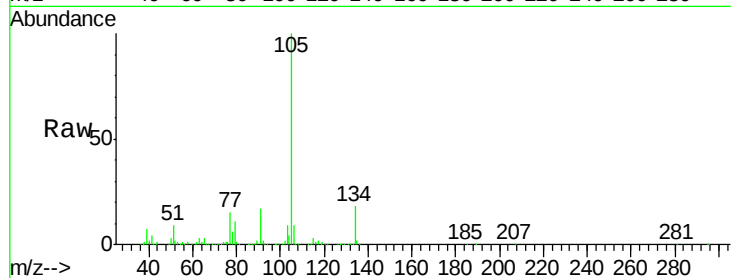
ClientSampled :

Tot Ion:105 Resp: 202848

Ion Ratio Lower Upper

105 100

134 17.9 10.1 30.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V

13.74

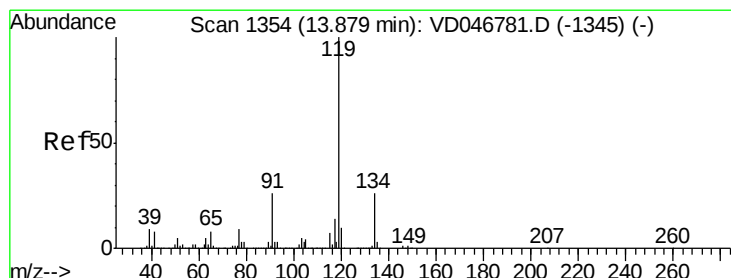
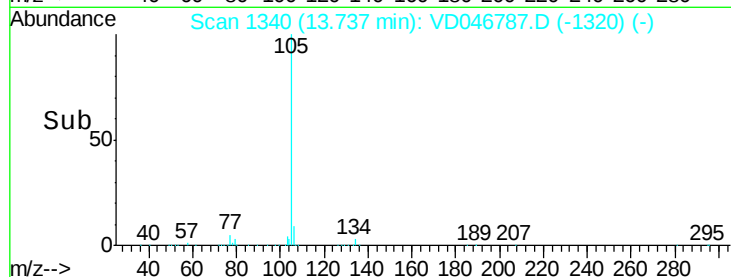
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 21.27 ug/l

RT: 13.88 min Scan# 1354

Delta R.T. -0.00 min

Lab File: VD046787.D

Acq: 18 Sep 2015 17:27

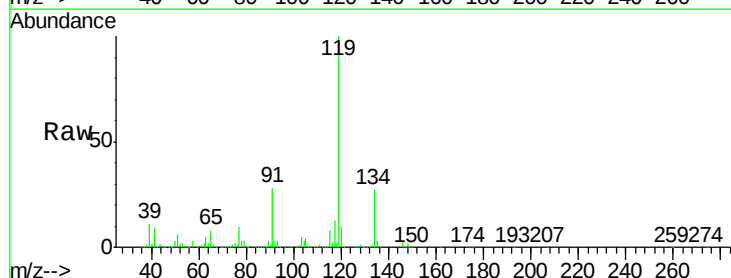
Tgt Ion:119 Resp: 161898

Ion Ratio Lower Upper

119 100

134 27.0 13.0 38.9

91 27.8 13.8 41.3



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

13.88

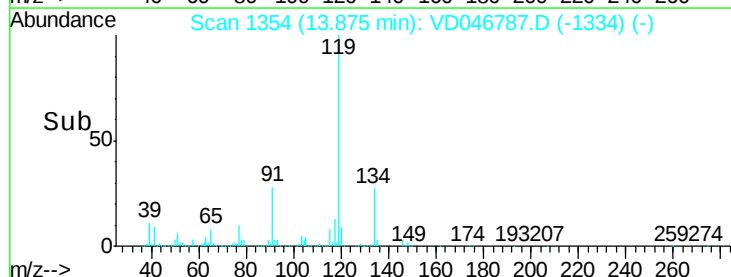
150000

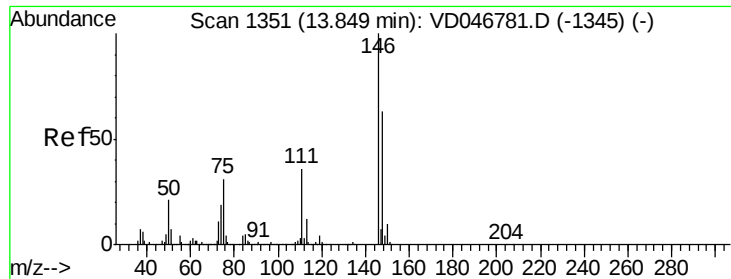
100000

50000

0

Time-->

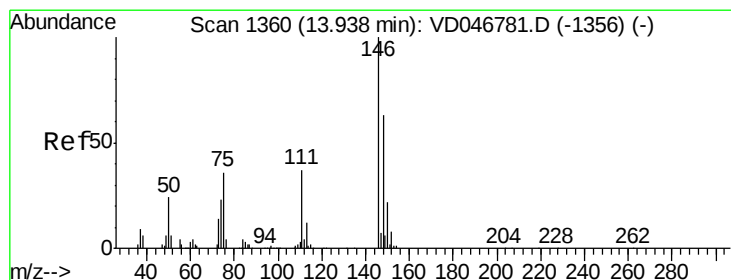
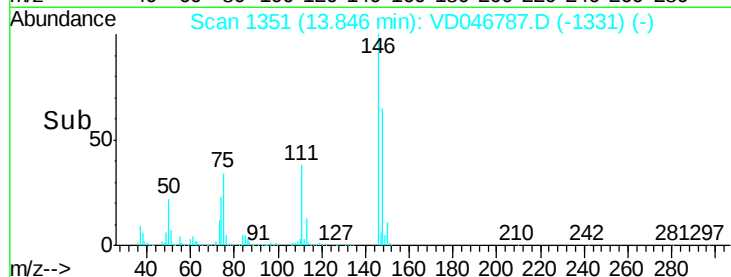
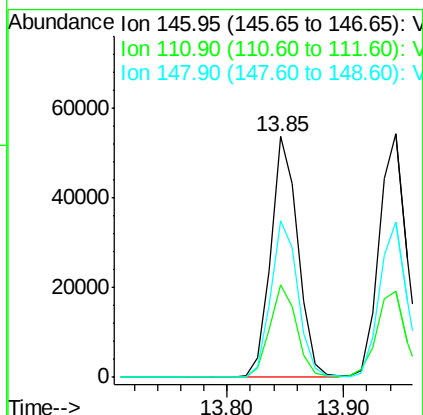
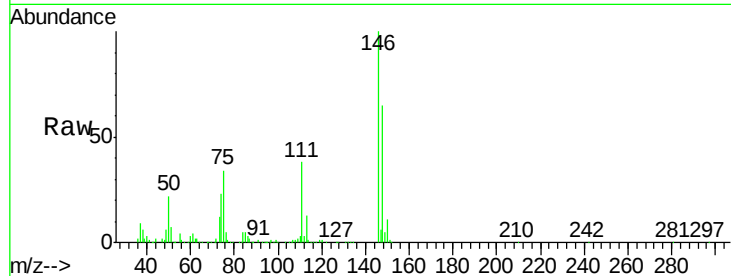




#87
 1,3-Dichlorobenzene
 Concen: 20.12 ug/l
 RT: 13.85 min Scan# 1351
 Delta R.T. -0.00 min
 Lab File: VD046787.D
 Acq: 18 Sep 2015 17:27

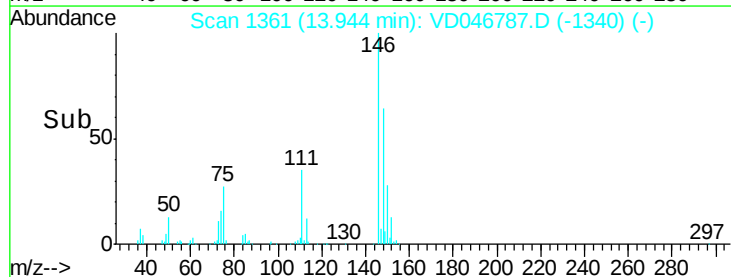
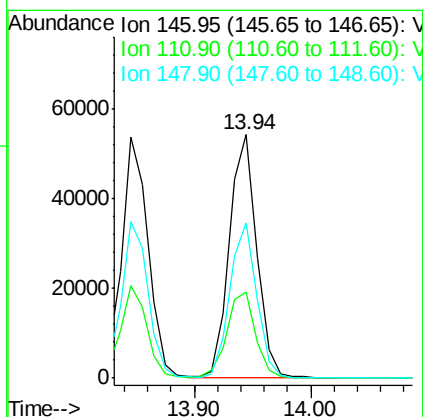
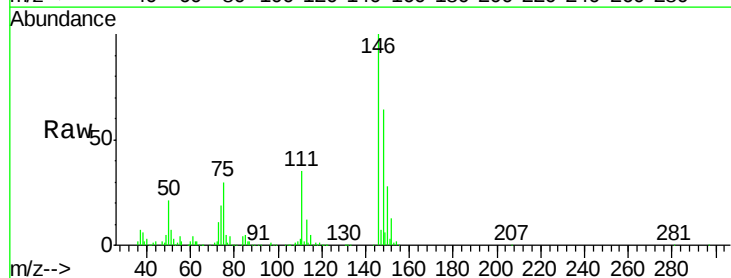
Instrument :
 MSVOA_D
 ClientSampleId :

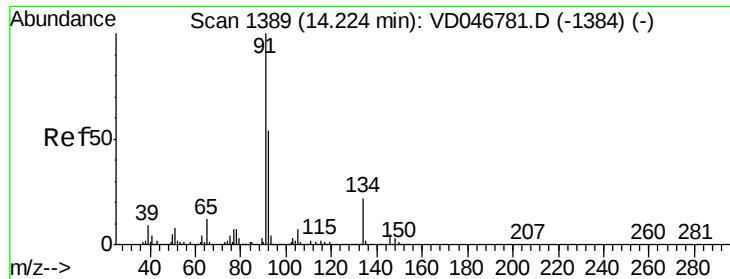
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	17.4	52.2
148	64.8	33.0	99.0



#88
 1,4-Dichlorobenzene
 Concen: 20.65 ug/l
 RT: 13.94 min Scan# 1361
 Delta R.T. 0.01 min
 Lab File: VD046787.D
 Acq: 18 Sep 2015 17:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.2	17.0	51.0
148	64.0	31.9	95.7





#89

n-Butylbenzene

Concen: 20.82 ug/l

RT: 14.22 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD046787.D

Acq: 18 Sep 2015 17:27

Instrument :

MSVOA_D

ClientSampleId :

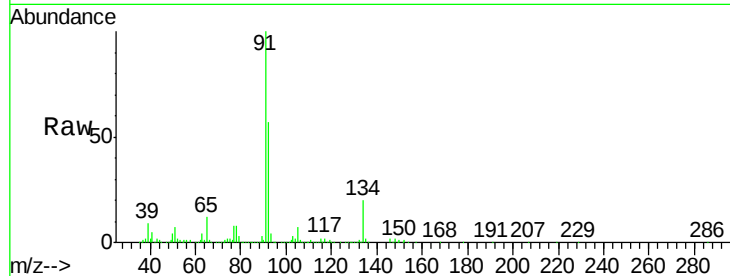
Tot Ion: 91 Resp: 178925

Ion Ratio Lower Upper

91 100

92 57.3 27.1 81.2

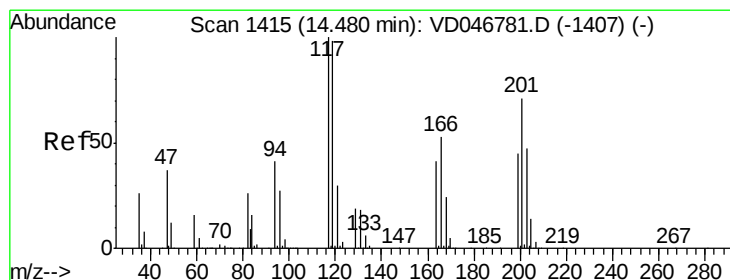
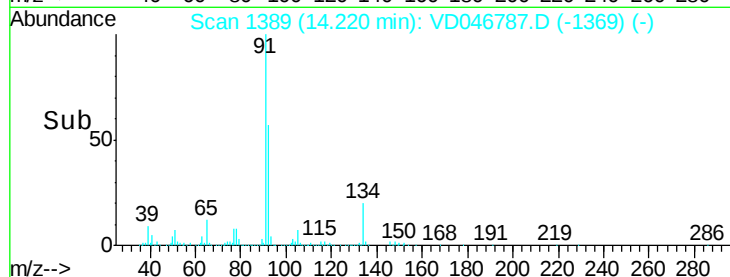
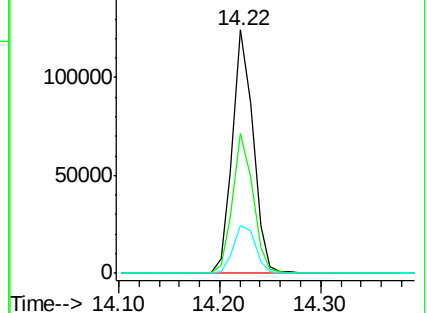
134 19.7 9.6 28.6



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 19.64 ug/l

RT: 14.49 min Scan# 1416

Delta R.T. 0.01 min

Lab File: VD046787.D

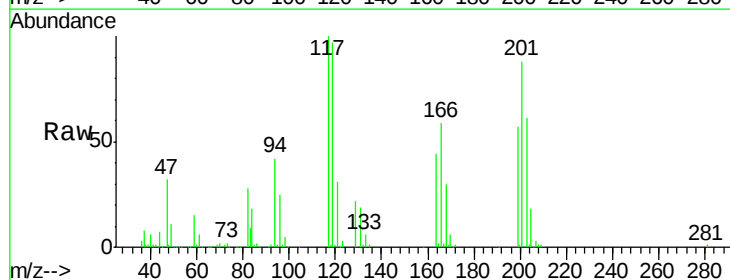
Acq: 18 Sep 2015 17:27

Tgt Ion: 117 Resp: 34670

Ion Ratio Lower Upper

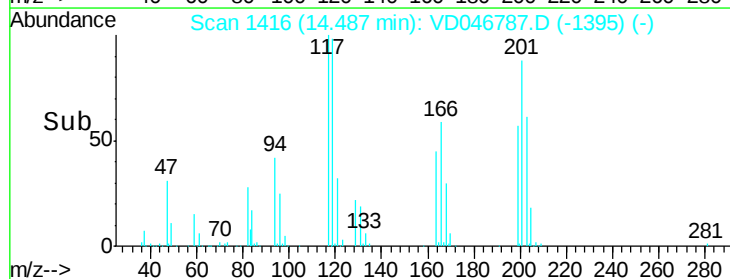
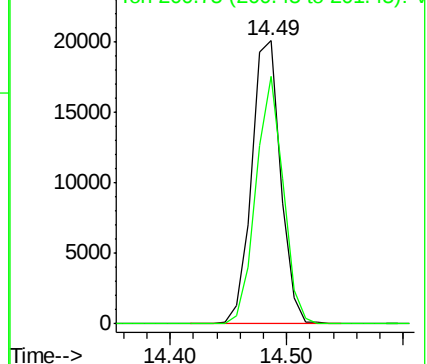
117 100

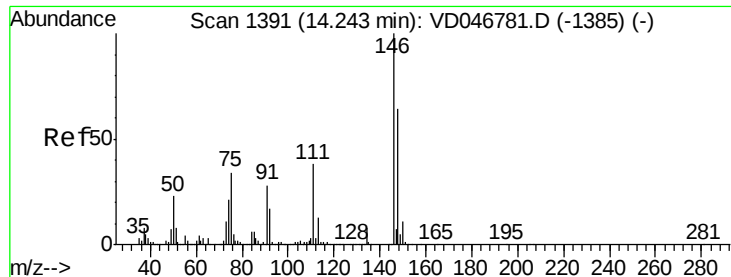
201 87.6 41.0 123.0



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC





#91

1,2-Dichlorobenzene

Concen: 20.64 ug/l

RT: 14.24 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VD046787.D

Acq: 18 Sep 2015 17:27

Instrument :

MSVOA_D

ClientSampleId :

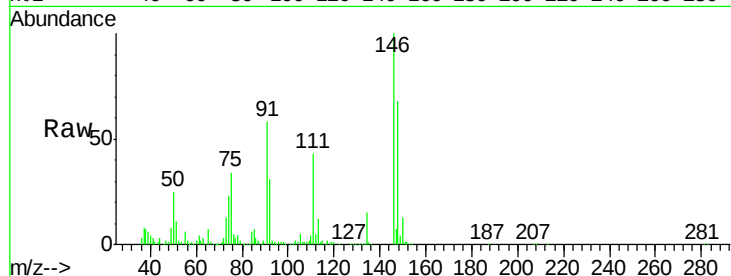
Tot Ion:146 Resp: 74631

Ion Ratio Lower Upper

146 100

111 42.5 18.2 54.6

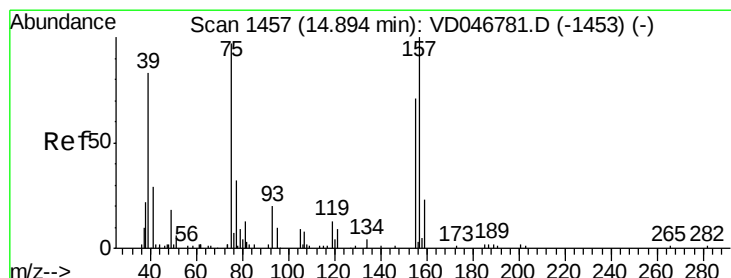
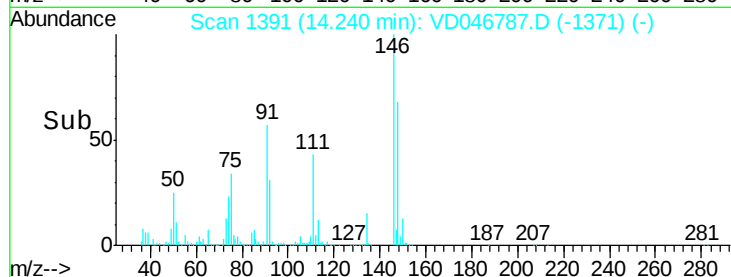
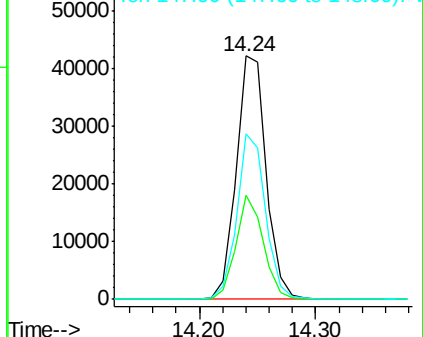
148 67.9 31.1 93.3



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.05 ug/l

RT: 14.89 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VD046787.D

Acq: 18 Sep 2015 17:27

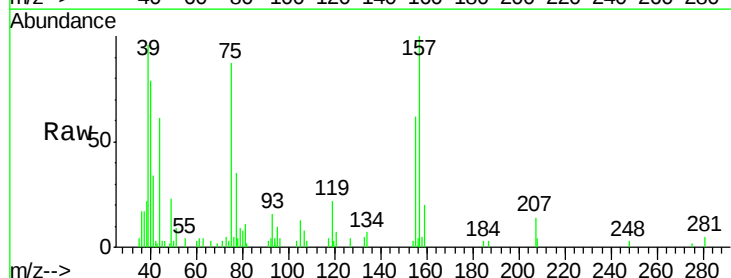
Tgt Ion: 75 Resp: 3814

Ion Ratio Lower Upper

75 100

155 72.0 41.4 124.4

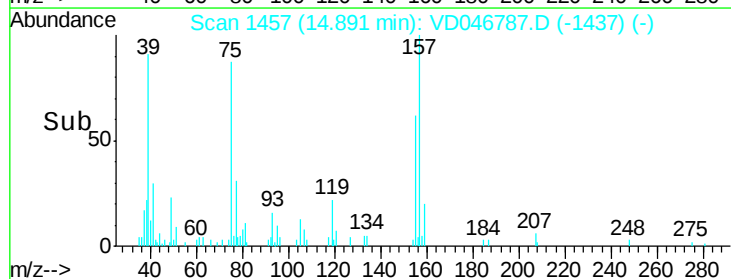
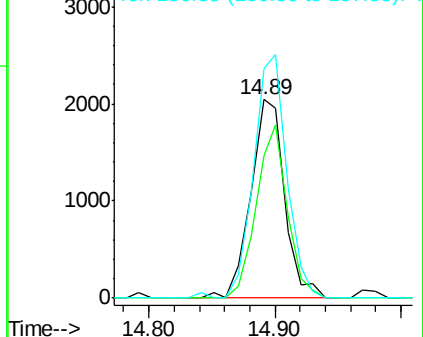
157 115.5 65.0 195.1

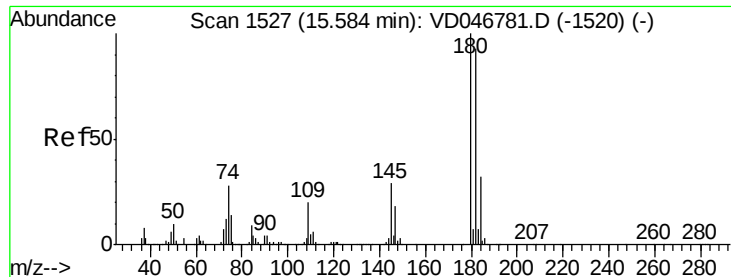


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

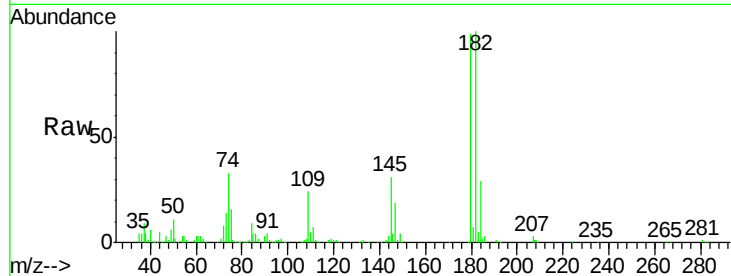




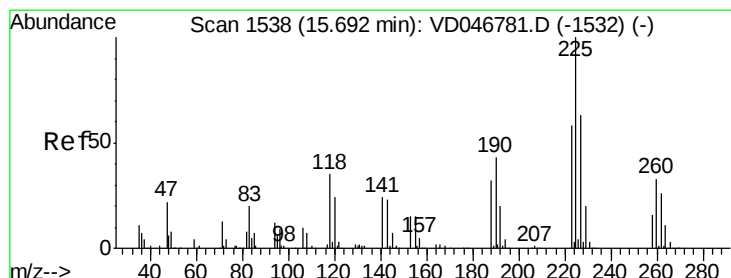
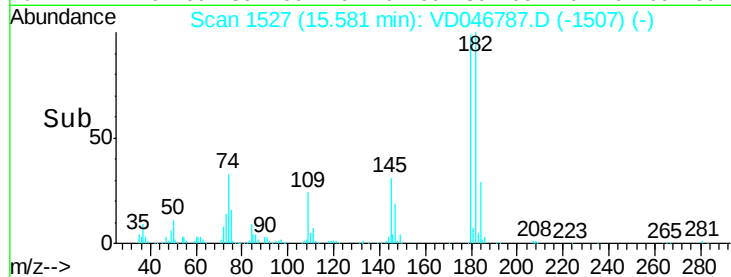
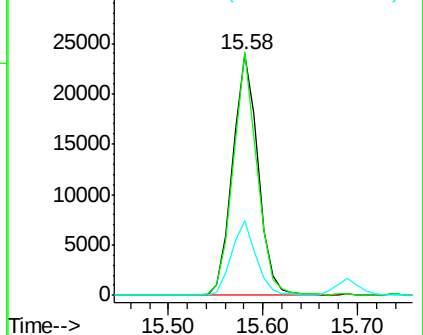
#93
 1,2,4-Trichlorobenzene
 Concen: 21.40 ug/l
 RT: 15.58 min Scan# 1527
 Delta R.T. -0.00 min
 Lab File: VD046787.D
 Acq: 18 Sep 2015 17:27

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	101.2	47.5	142.5
145	30.9	14.6	44.0

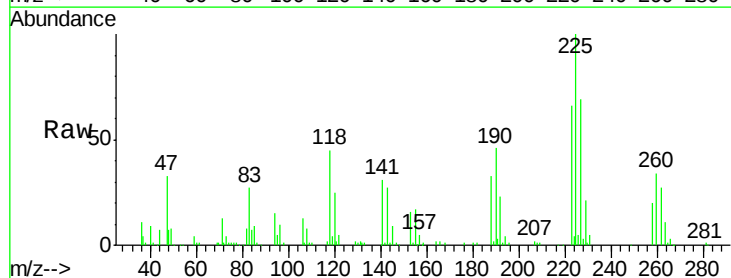


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

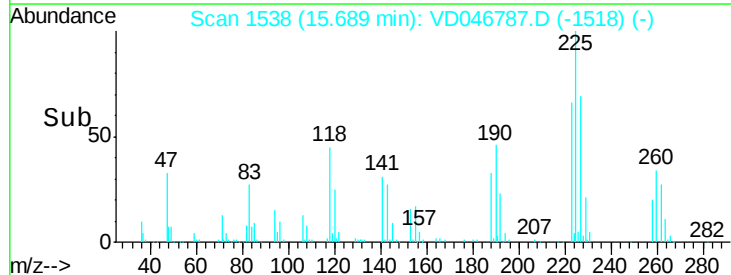
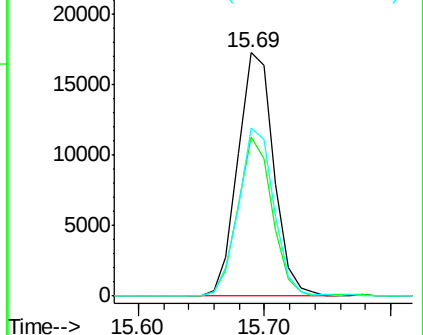


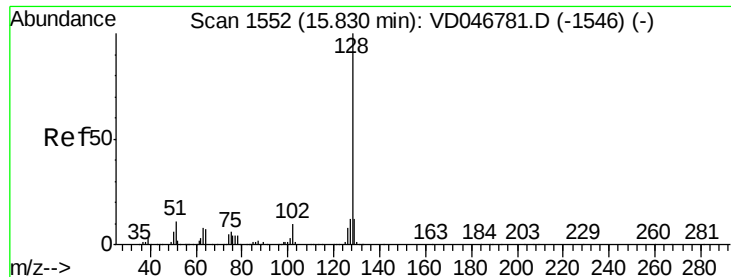
#94
 Hexachlorobutadiene
 Concen: 19.96 ug/l
 RT: 15.69 min Scan# 1538
 Delta R.T. -0.00 min
 Lab File: VD046787.D
 Acq: 18 Sep 2015 17:27

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.6	30.4	91.2
227	68.9	31.3	93.9



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





#95

Naphthalene

Concen: 20.58 ug/l

RT: 15.83 min Scan# 1552

Delta R.T. -0.00 min

Lab File: VD046787.D

Acq: 18 Sep 2015 17:27

Instrument :

MSVOA_D

ClientSampleId :

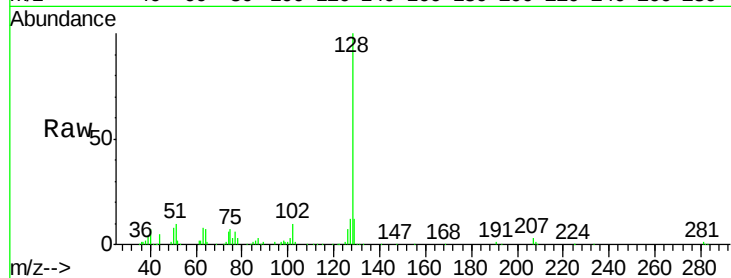
Tot Ion:128 Resp: 52643

Ion Ratio Lower Upper

128 100

127 12.1 9.8 14.6

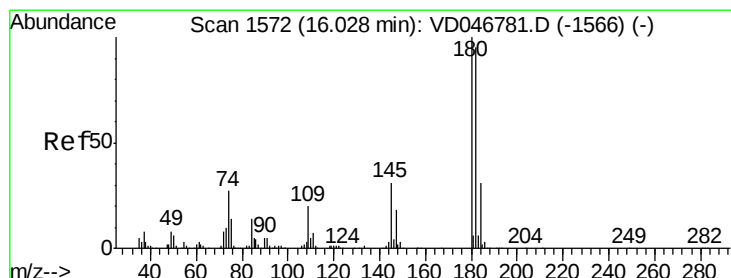
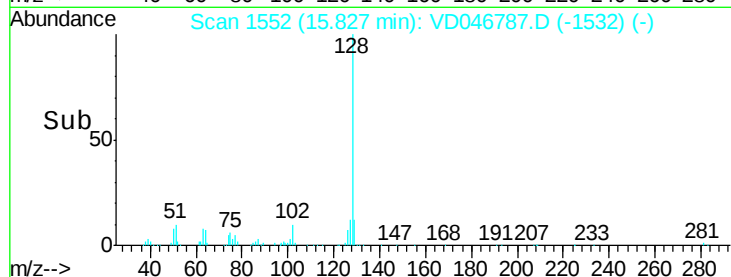
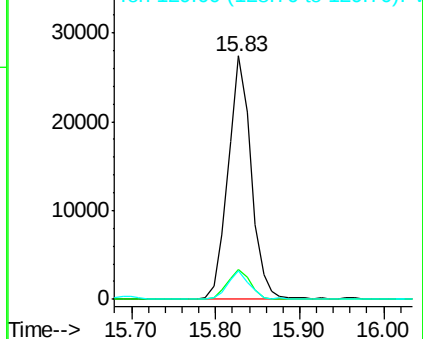
129 11.9 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.88 ug/l

RT: 16.02 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VD046787.D

Acq: 18 Sep 2015 17:27

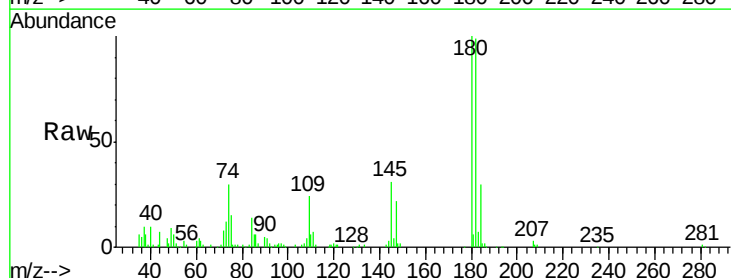
Tgt Ion:180 Resp: 36311

Ion Ratio Lower Upper

180 100

182 99.4 47.4 142.3

145 31.4 15.4 46.4



Abundance Ion 179.85 (179.55 to 180.55): V

Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V

