

Data Path : W:\HPCHEM1\MSVOA_N\DATA\VN091515\
 Data File : VN027170.D
 Acq On : 15 Sep 2015 16:24
 Operator : MD\FY
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Quant Time: Sep 15 17:33:45 2015
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N091515W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 15 17:32:41 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.75	168	593874	50.00	ug/l	0.00
35) 1,4-Difluorobenzene	8.68	114	1114707	50.00	ug/l	0.00
64) Chlorobenzene-d5	11.52	117	937960	50.00	ug/l	0.00
73) 1,4-Dichlorobenzene-d4	13.47	152	352495	50.00	ug/l	0.00

System Monitoring Compounds

34) 1,2-Dichloroethane-d4	8.12	65	249610	32.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	64.16%	
36) Dibromofluoromethane	7.68	113	161914	23.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	47.38%	
51) Toluene-d8	10.19	98	629840	23.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	46.16%	
63) 4-Bromofluorobenzene	12.52	95	217664	24.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	48.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.80	85	132952	28.04	ug/l	100
3) Chlorodifluoromethane	1.82	51	161067	24.66	ug/l	95
4) Chloromethane	2.01	50	155376	21.43	ug/l	100
5) Vinyl Chloride	2.14	62	159388	22.35	ug/l	98
6) Bromomethane	2.54	94	76617	19.39	ug/l	97
7) Chloroethane	2.69	64	105556	26.88	ug/l	94
8) Trichlorofluoromethane	3.02	101	243454	28.47	ug/l	97
9) Diethyl Ether	3.42	74	110898	28.90	ug/l	85
10) 1,1,2-Trichlorotrifluoroet	3.79	101	152981	26.08	ug/l	96
11) Methyl Iodide	3.99	142	153071	22.60	ug/l	93
12) Tert butyl alcohol	4.81	59	114692	206.49	ug/l #	74
13) 1,1-Dichloroethene	3.77	96	146226	25.97	ug/l	94
14) Acrolein	3.62	56	134387	139.20	ug/l	95
15) Allyl chloride	4.37	41	288721	30.14	ug/l #	83
16) Acrylonitrile	5.03	53	372106	139.61	ug/l	97
17) Acetone	3.83	43	343674	149.22	ug/l	93
18) Carbon Disulfide	4.11	76	457538	25.93	ug/l	99
19) Methyl Acetate	4.36	43	470464	30.99	ug/l	98
20) Methyl tert-butyl Ether	5.12	73	576569	30.21	ug/l	94
21) Methylene Chloride	4.60	84	173128	25.24	ug/l	98
22) trans-1,2-Dichloroethene	5.13	96	153809	24.34	ug/l	96
23) Diisopropyl ether	6.04	45	617958	29.85	ug/l #	86
24) Vinyl Acetate	5.98	43	1396571	224.66	ug/l	99
25) 1,1-Dichloroethane	5.93	63	354445	30.18	ug/l	98
26) 2-Butanone	6.92	43	488889	154.74	ug/l	96
27) 2,2-Dichloropropane	6.92	77	314310	33.91	ug/l	95
28) cis-1,2-Dichloroethene	6.92	96	180988	24.55	ug/l	93
29) Bromochloromethane	7.29	49	152651	27.02	ug/l	97
30) Tetrahydrofuran	7.32	42	309032	148.70	ug/l	90
31) Chloroform	7.46	83	324901	27.43	ug/l	99
32) Cyclohexane	7.77	56	337892	24.55	ug/l #	89
33) 1,1,1-Trichloroethane	7.67	97	287079	28.63	ug/l	97
37) 1,1-Dichloropropene	7.89	75	243770	23.30	ug/l	99
38) Ethyl Acetate	7.02	43	219067	29.50	ug/l	98

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 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Quant Time: Sep 15 17:33:45 2015
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N091515W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 15 17:32:41 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Carbon Tetrachloride	7.88	117	235531	23.82	ug/l	98
40) Methylcyclohexane	9.19	83	299411	23.65	ug/l	98
41) Benzene	8.14	78	723372	22.40	ug/l	100
42) Methacrylonitrile	7.24	41	122040	25.40	ug/l #	92
43) 1,2-Dichloroethane	8.22	62	287322	25.88	ug/l	95
44) Isopropyl Acetate	8.25	43	409662	30.47	ug/l	98
45) Trichloroethene	8.94	130	147418	18.73	ug/l	98
46) 1,2-Dichloropropane	9.22	63	207400	24.70	ug/l	99
47) Dibromomethane	9.31	93	119224	23.82	ug/l	93
48) Bromodichloromethane	9.49	83	257451	24.74	ug/l	98
49) Methyl methacrylate	9.29	41	197908	28.96	ug/l #	89
50) 1,4-Dioxane	9.30	88	46784	475.72	ug/l	95
52) 4-Methyl-2-Pentanone	10.07	43	1066395	139.84	ug/l	100
53) Toluene	10.26	92	425042	21.69	ug/l	98
54) t-1,3-Dichloropropene	10.47	75	286923	27.61	ug/l	98
55) cis-1,3-Dichloropropene	9.93	75	315977	26.17	ug/l	91
56) 1,1,2-Trichloroethane	10.66	97	159929	21.39	ug/l	98
57) Ethyl methacrylate	10.52	69	271431	26.85	ug/l #	90
58) 1,3-Dichloropropane	10.81	76	294892	23.81	ug/l	97
59) 2-Chloroethyl Vinyl ether	9.78	63	636283	161.75	ug/l	98
60) 2-Hexanone	10.84	43	747166	147.12	ug/l	100
61) Dibromochloromethane	11.00	129	166909	21.66	ug/l	97
62) 1,2-Dibromoethane	11.11	107	156404	21.86	ug/l	100
65) Tetrachloroethene	10.74	164	115563	17.26	ug/l	96
66) Chlorobenzene	11.54	112	419449	20.53	ug/l	99
67) 1,1,1,2-Tetrachloroethane	11.62	131	146113	20.71	ug/l	98
68) Ethyl Benzene	11.62	91	799724	23.27	ug/l	100
69) m/p-Xylenes	11.73	106	552517	43.24	ug/l	91
70) o-Xylene	12.06	106	282760	22.48	ug/l	94
71) Styrene	12.07	104	451081	22.31	ug/l	94
72) Bromoform	12.24	173	103342	21.15	ug/l #	98
74) Isopropylbenzene	12.36	105	745172	24.50	ug/l	99
75) N-amyl acetate	12.17	43	341601	36.70	ug/l	99
76) 1,1,2,2-Tetrachloroethane	12.61	83	224710	27.22	ug/l	99
77) 1,2,3-Trichloropropane	12.66	75	307836	44.13	ug/l	51
78) Bromobenzene	12.64	156	144877	19.77	ug/l	91
79) n-propylbenzene	12.71	91	873303	26.09	ug/l	98
80) 2-Chlorotoluene	12.79	91	529030	25.53	ug/l	95
81) 1,3,5-Trimethylbenzene	12.85	105	596169	25.80	ug/l	95
82) trans-1,4-Dichloro-2-buten	12.40	75	84448	34.45	ug/l	91
83) 4-Chlorotoluene	12.89	91	512431	25.56	ug/l	98
84) tert-Butylbenzene	13.11	119	496951	24.02	ug/l	91
85) 1,2,4-Trimethylbenzene	13.16	105	594195	25.50	ug/l	96
86) sec-Butylbenzene	13.29	105	721464	25.26	ug/l	100
87) p-Isopropyltoluene	13.41	119	550805	23.68	ug/l	95
88) 1,3-Dichlorobenzene	13.41	146	251453	19.84	ug/l	97
89) 1,4-Dichlorobenzene	13.49	146	243958	19.13	ug/l	94
90) n-Butylbenzene	13.74	91	535306	26.54	ug/l	99
91) Hexachloroethane	14.01	117	121704	26.27	ug/l	92
92) 1,2-Dichlorobenzene	13.78	146	253694	20.28	ug/l	96

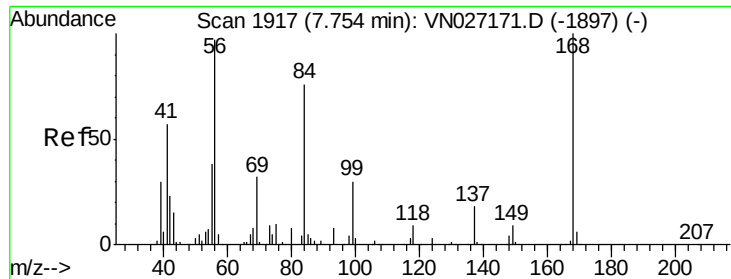
Data Path : W:\HPCHEM1\MSVOA_N\DATA\VN091515\
Data File : VN027170.D
Acq On : 15 Sep 2015 16:24
Operator : MD\FY
Sample : VSTDICC020
Misc : 5.00mL/MSVOA_N/WATER
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Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

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Quant Title : SW846 8260
QLast Update : Tue Sep 15 17:32:41 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2-Dibromo-3-Chloropropan	14.40	75	45163	36.74	ug/l	88
94) 1,2,4-Trichlorobenzene	15.05	180	133062	21.07	ug/l	99
95) Hexachlorobutadiene	15.16	225	72861	20.82	ug/l	100
96) Naphthalene	15.29	128	394315	26.09	ug/l	99
97) 1,2,3-Trichlorobenzene	15.47	180	131781	21.02	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.75 min Scan# 1917

Delta R.T. 0.00 min

Lab File: VN027170.D

Acq: 15 Sep 2015 16:24

Instrument :

MSVOA_N

ClientSampleId :

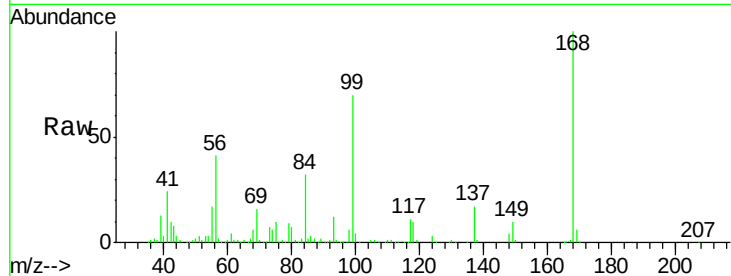
VSTDIC020

Tgt Ion:168 Resp: 593874

Ion Ratio Lower Upper

168 100

99 69.2 50.4 75.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.75

250000

200000

150000

100000

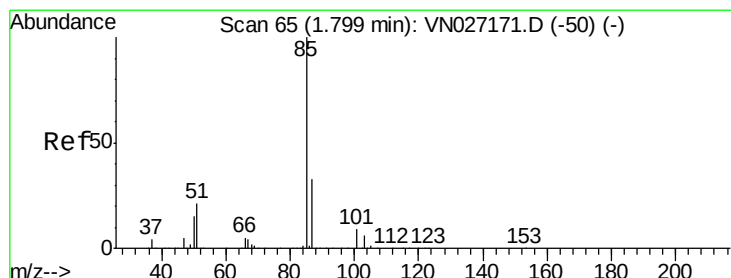
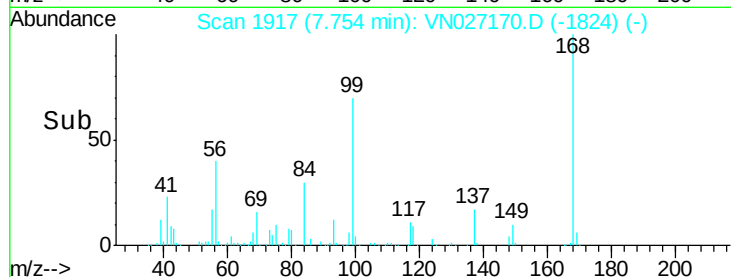
50000

0

7.70

7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 28.04 ug/l

RT: 1.80 min Scan# 64

Delta R.T. -0.00 min

Lab File: VN027170.D

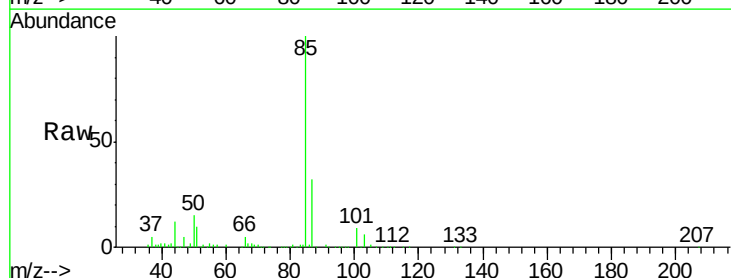
Acq: 15 Sep 2015 16:24

Tgt Ion: 85 Resp: 132952

Ion Ratio Lower Upper

85 100

87 32.5 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.80

100000

80000

60000

40000

20000

0

1.70

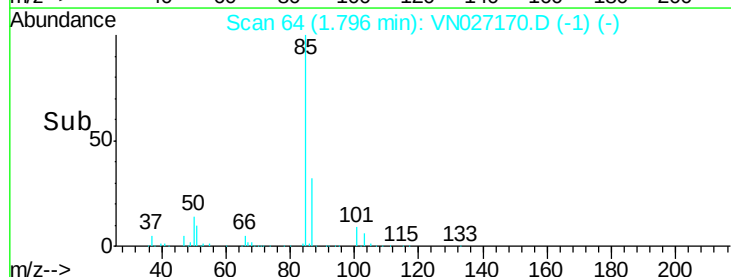
1.75

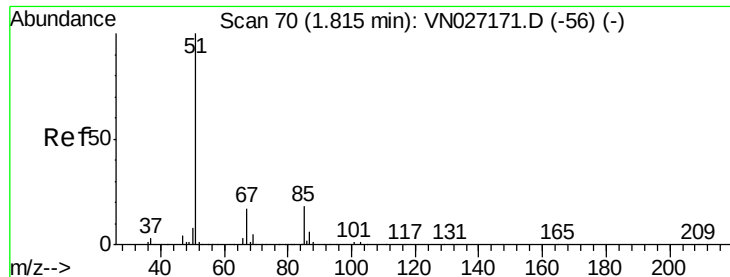
1.80

1.85

1.90

Time-->





#3

Chlorodifluoromethane

Concen: 24.66 ug/l

RT: 1.82 min Scan# 70

Delta R.T. 0.00 min

Lab File: VN027170.D

Acq: 15 Sep 2015 16:24

Instrument :

MSVOA_N

ClientSampleId :

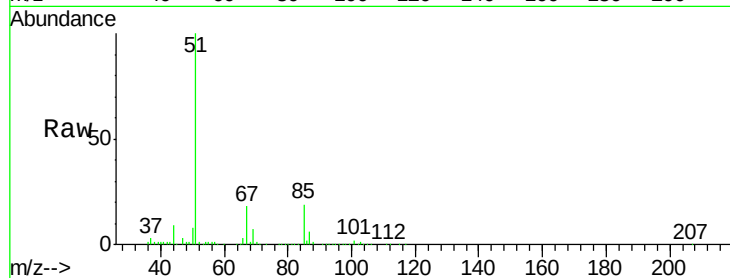
VSTDIC020

Tgt Ion: 51 Resp: 161067

Ion Ratio Lower Upper

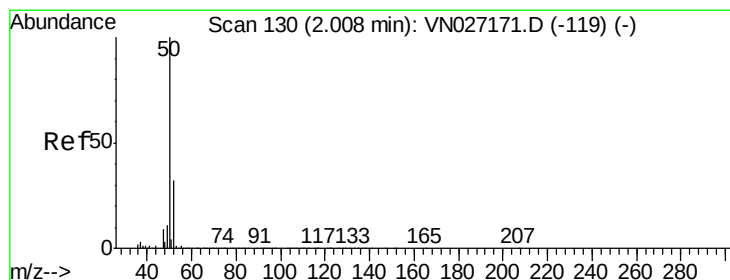
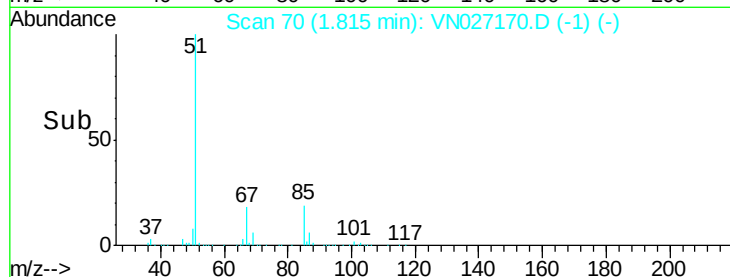
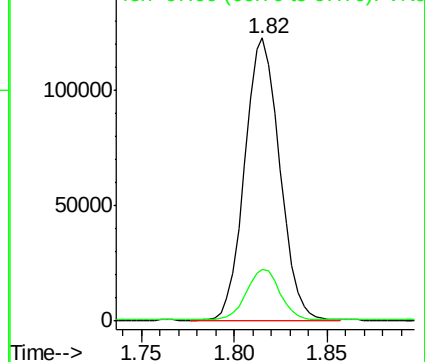
51 100

67 17.5 12.2 18.2



Abundance Ion 51.00 (50.70 to 51.70): VN0

Ion 67.00 (66.70 to 67.70): VN0



#4

Chloromethane

Concen: 21.43 ug/l

RT: 2.01 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN027170.D

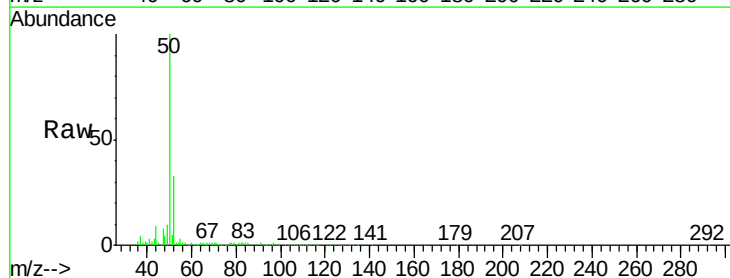
Acq: 15 Sep 2015 16:24

Tgt Ion: 50 Resp: 155376

Ion Ratio Lower Upper

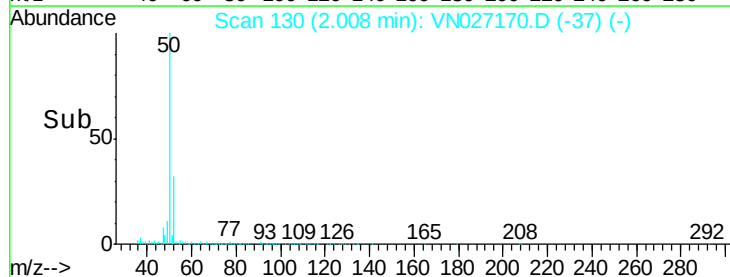
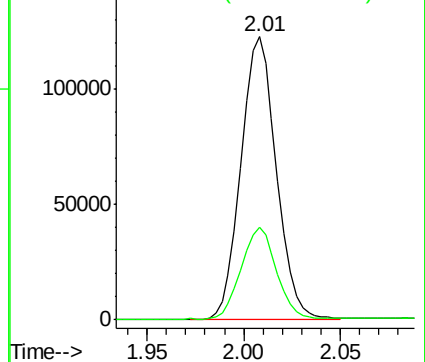
50 100

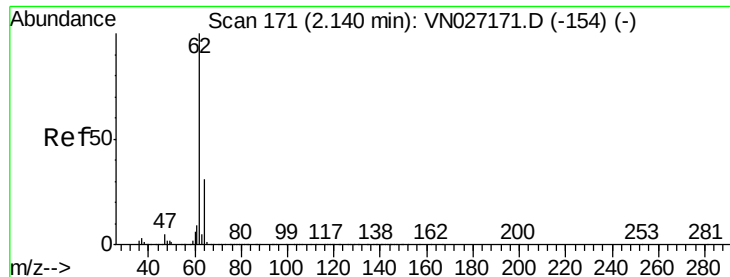
52 32.2 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0





#5

Vinyl Chloride

Concen: 22.35 ug/l

RT: 2.14 min Scan# 171

Delta R.T. 0.00 min

Lab File: VN027170.D

Acq: 15 Sep 2015 16:24

Instrument :

MSVOA_N

ClientSampleId :

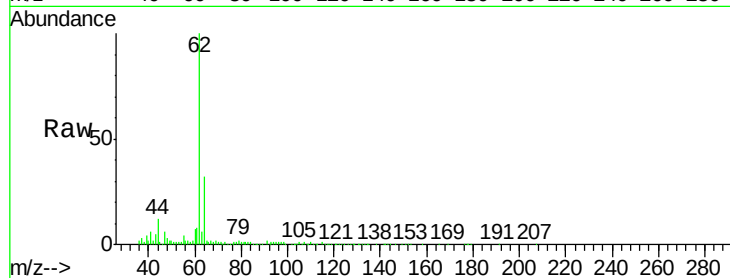
VSTDIC020

Tgt Ion: 62 Resp: 159388

Ion Ratio Lower Upper

62 100

64 31.5 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.14

120000

100000

80000

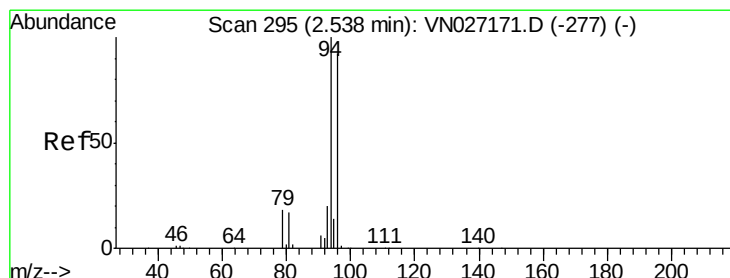
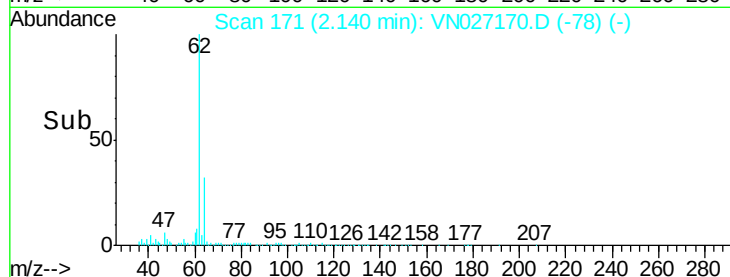
60000

40000

20000

0

Time--> 2.05 2.10 2.15 2.20



#6

Bromomethane

Concen: 19.39 ug/l

RT: 2.54 min Scan# 297

Delta R.T. 0.01 min

Lab File: VN027170.D

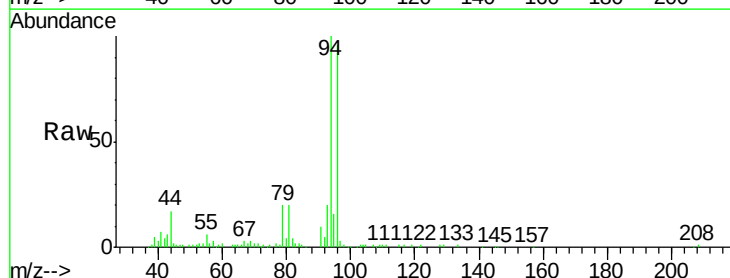
Acq: 15 Sep 2015 16:24

Tgt Ion: 94 Resp: 76617

Ion Ratio Lower Upper

94 100

96 95.1 73.4 110.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.54

40000

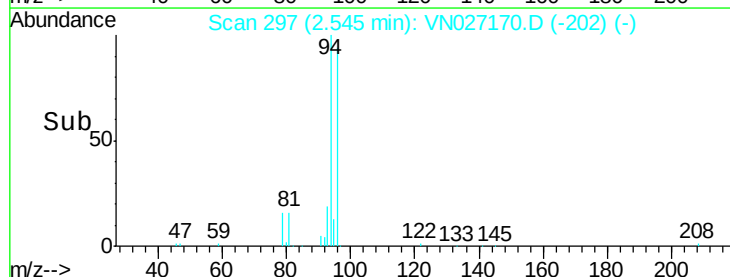
30000

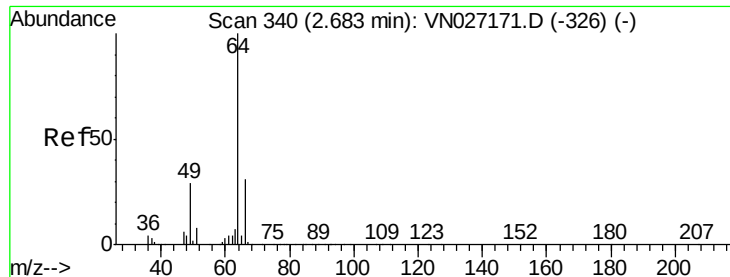
20000

10000

0

Time--> 2.45 2.50 2.55 2.60





#7

Chloroethane

Concen: 26.88 ug/l

RT: 2.69 min Scan# 341

Delta R.T. 0.00 min

Lab File: VN027170.D

Acq: 15 Sep 2015 16:24

Instrument :

MSVOA_N

ClientSampleId :

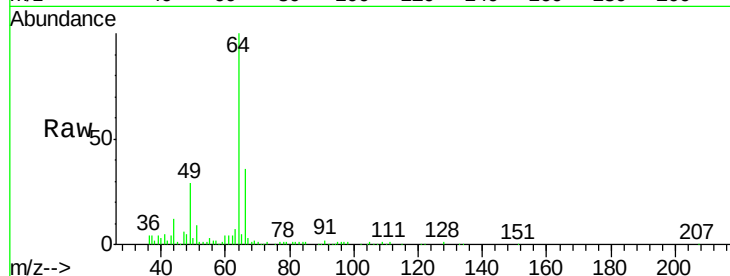
VSTDIC020

Tgt Ion: 64 Resp: 105556

Ion Ratio Lower Upper

64 100

66 35.1 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VN027170.D (-341) (-)

Ion 65.90 (65.60 to 66.60): VN027170.D (-341) (-)

2.69

60000

50000

40000

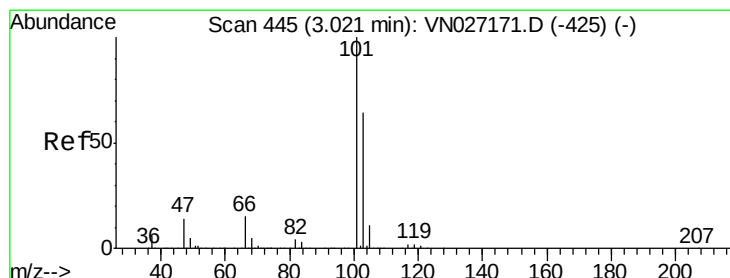
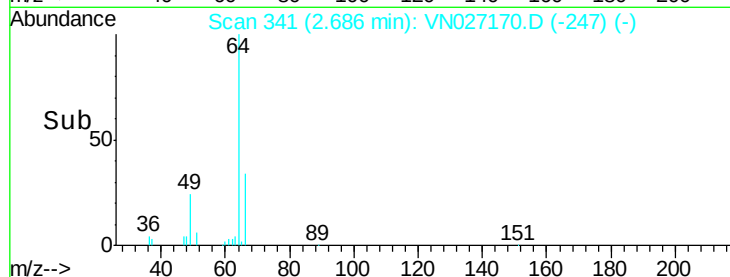
30000

20000

10000

0

Time-->



#8

Trichlorofluoromethane

Concen: 28.47 ug/l

RT: 3.02 min Scan# 446

Delta R.T. 0.00 min

Lab File: VN027170.D

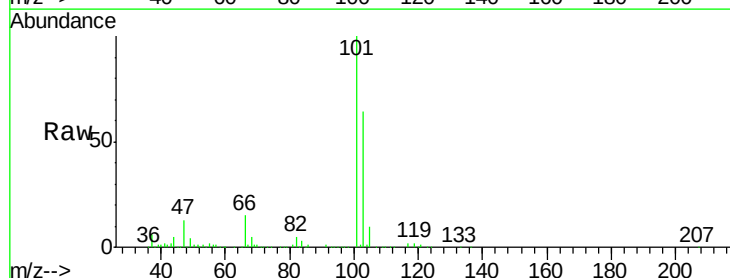
Acq: 15 Sep 2015 16:24

Tgt Ion: 101 Resp: 243454

Ion Ratio Lower Upper

101 100

103 63.6 52.6 79.0



Abundance Ion 100.90 (100.60 to 101.60): VN027170.D (-446) (-)

Ion 102.80 (102.50 to 103.50): VN027170.D (-446) (-)

3.02

120000

100000

80000

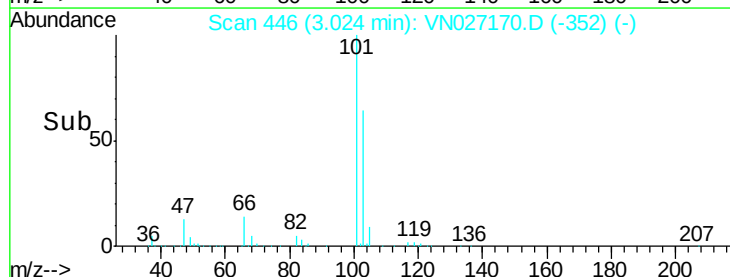
60000

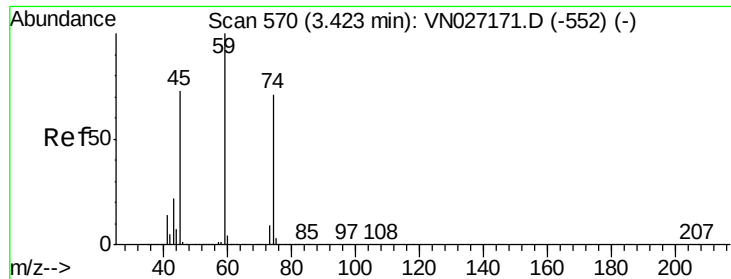
40000

20000

0

Time-->





#9

Diethyl Ether

Concen: 28.90 ug/l

RT: 3.42 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN027170.D

Acq: 15 Sep 2015 16:24

Instrument :

MSVOA_N

ClientSampled :

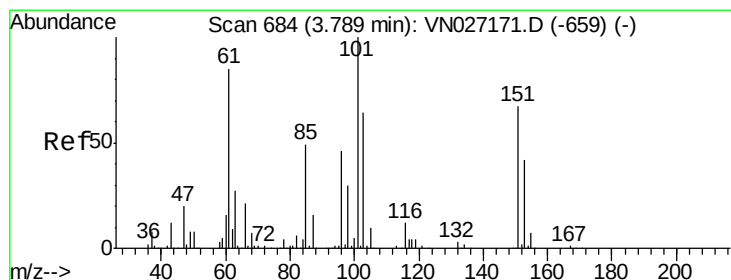
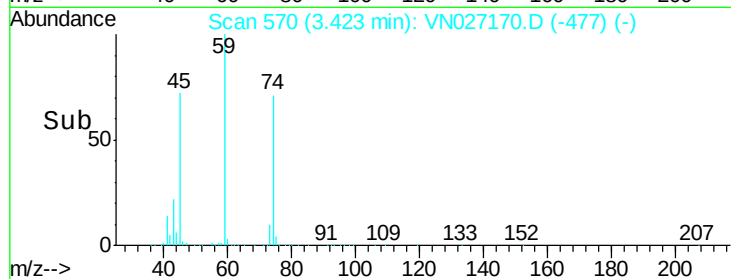
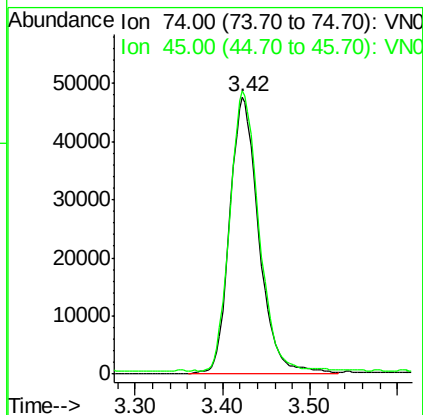
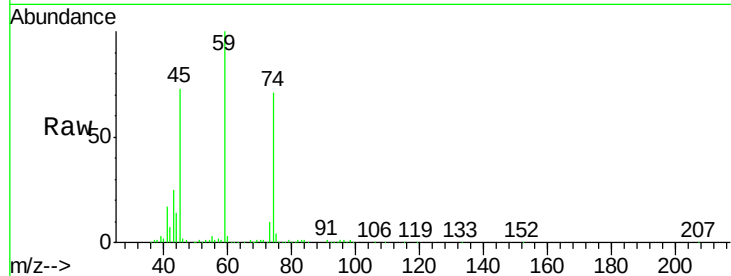
VSTDIC020

Tgt Ion: 74 Resp: 110898

Ion Ratio Lower Upper

74 100

45 99.8 58.1 174.3



#10

1,1,2-Trichlorotrifluoroethane

Concen: 26.08 ug/l

RT: 3.79 min Scan# 684

Delta R.T. 0.00 min

Lab File: VN027170.D

Acq: 15 Sep 2015 16:24

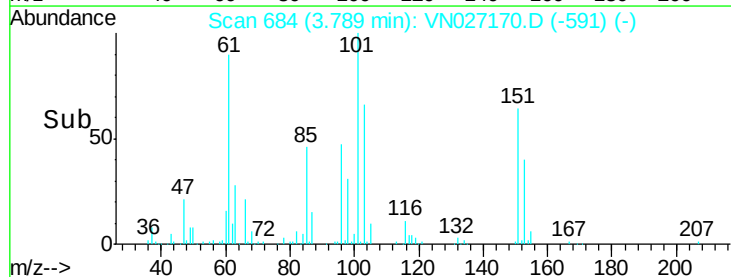
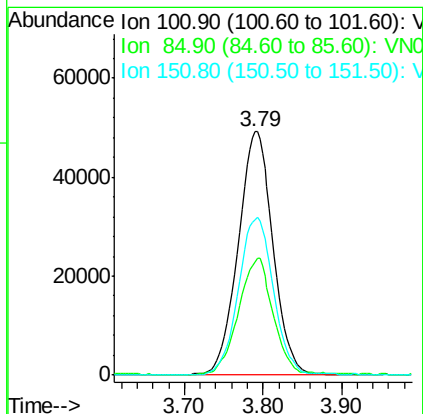
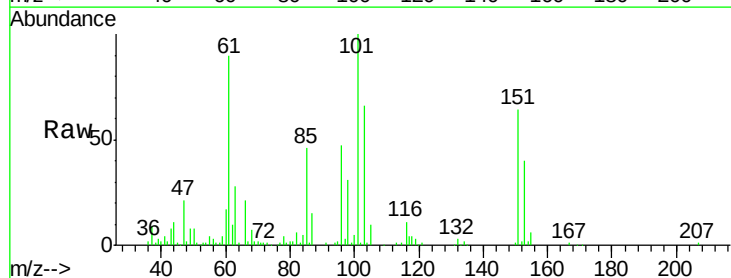
Tgt Ion: 101 Resp: 152981

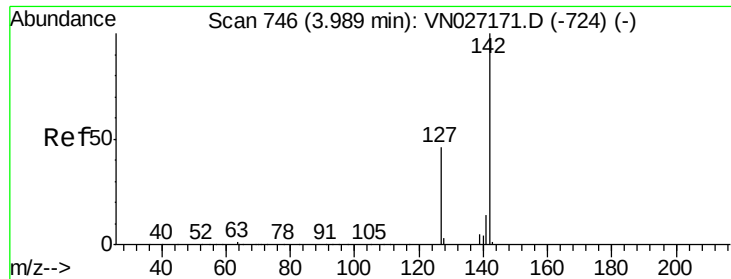
Ion Ratio Lower Upper

101 100

85 48.1 37.4 56.0

151 65.3 55.9 83.9

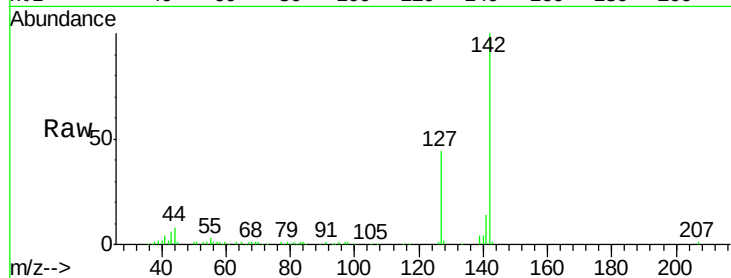




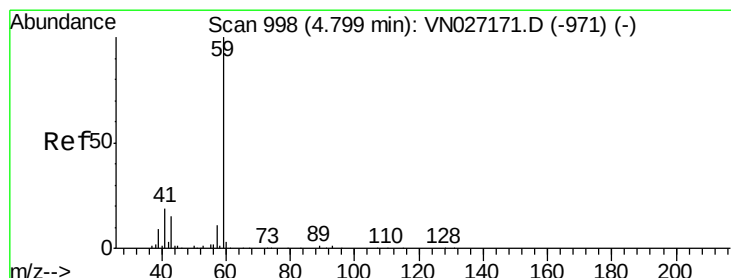
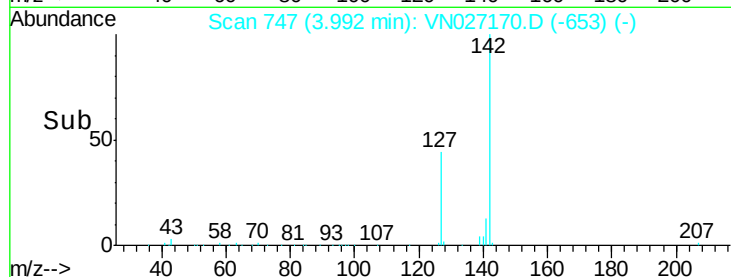
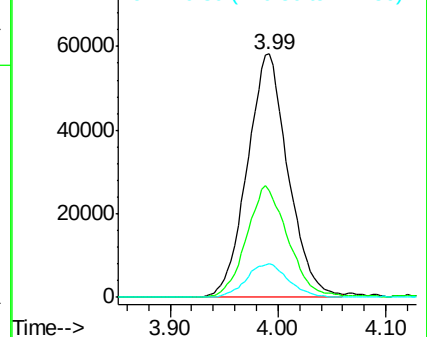
#11
Methyl Iodide
Concen: 22.60 ug/l
RT: 3.99 min Scan# 747
Delta R.T. 0.00 min
Lab File: VN027170.D
Acq: 15 Sep 2015 16:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tgt Ion:142 Resp: 153071
Ion Ratio Lower Upper
142 100
127 46.5 32.3 48.5
141 14.2 11.2 16.8

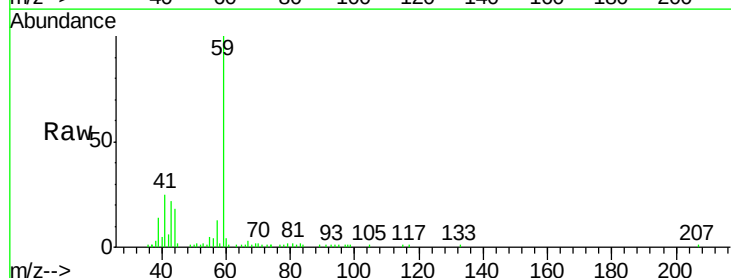


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

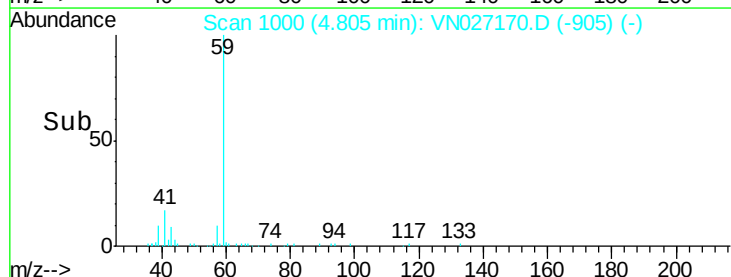
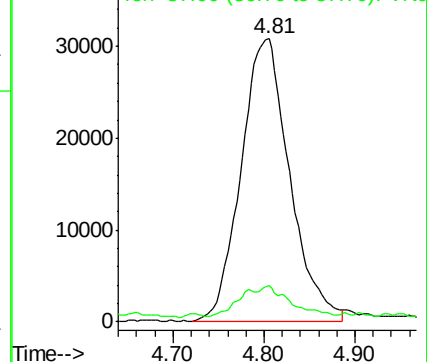


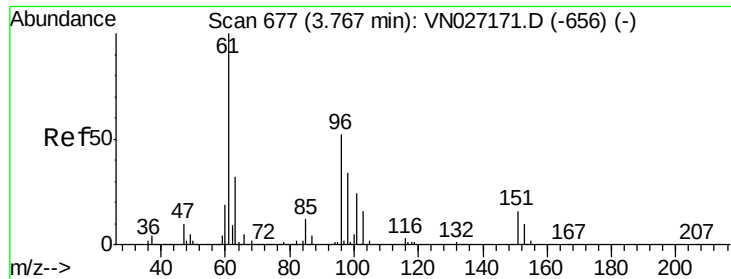
#12
Tert butyl alcohol
Concen: 206.49 ug/l
RT: 4.81 min Scan# 1000
Delta R.T. 0.01 min
Lab File: VN027170.D
Acq: 15 Sep 2015 16:24

Tgt Ion: 59 Resp: 114692
Ion Ratio Lower Upper
59 100
57 0.0 7.6 11.4#



Abundance Ion 59.00 (58.70 to 59.70): VN0
Ion 57.00 (56.70 to 57.70): VN0

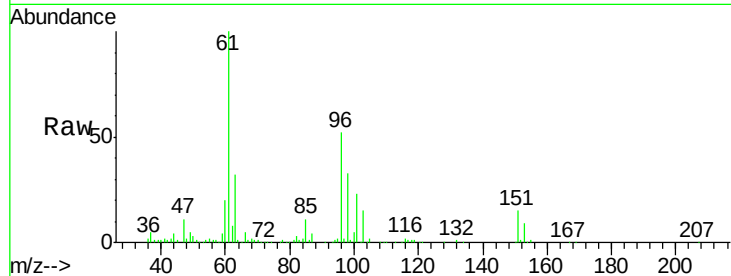




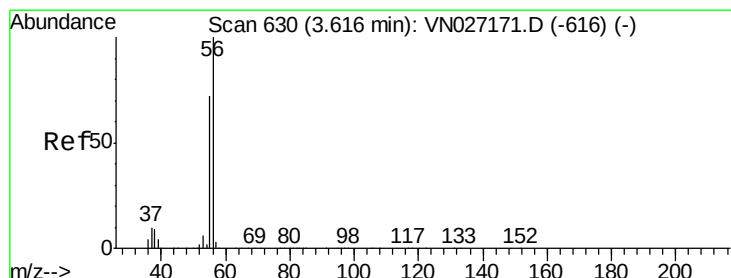
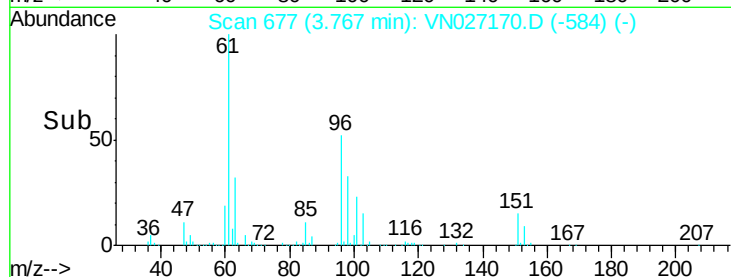
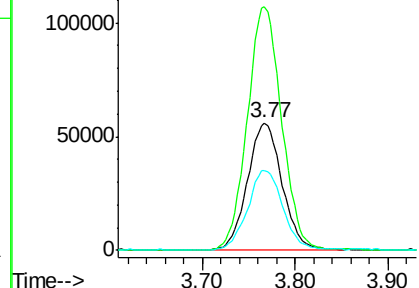
#13
 1,1-Dichloroethene
 Concen: 25.97 ug/l
 RT: 3.77 min Scan# 677
 Delta R.T. 0.00 min
 Lab File: VN027170.D
 Acq: 15 Sep 2015 16:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tgt Ion: 96 Resp: 146226
 Ion Ratio Lower Upper
 96 100
 61 191.3 143.8 215.8
 98 62.6 50.3 75.5

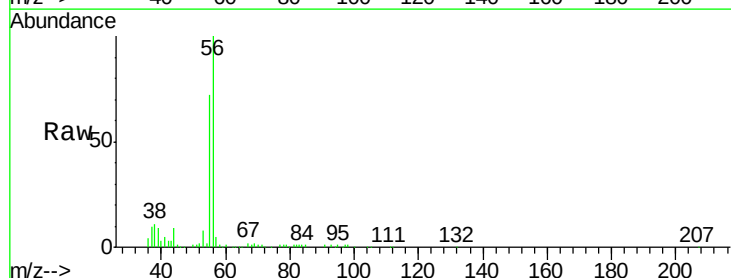


Abundance Ion 95.90 (95.60 to 96.60): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0

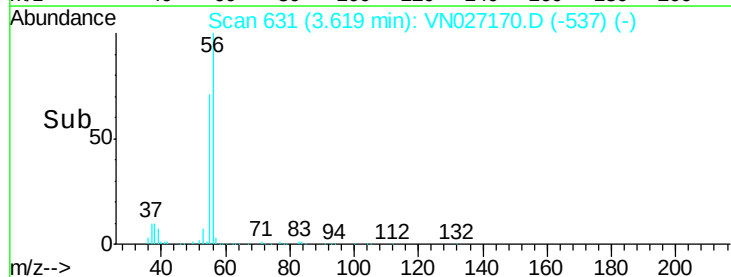
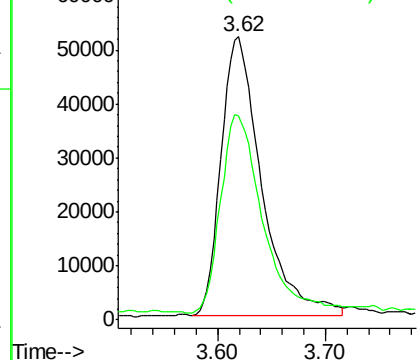


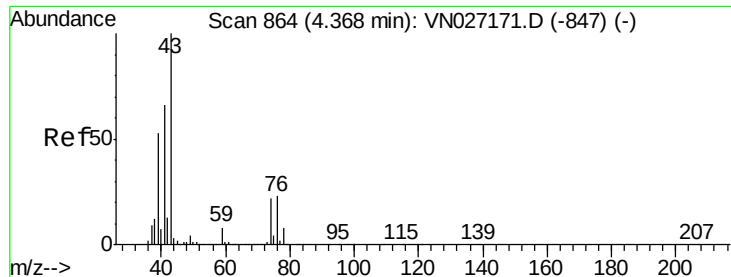
#14
 Acrolein
 Concen: 139.20 ug/l
 RT: 3.62 min Scan# 631
 Delta R.T. 0.00 min
 Lab File: VN027170.D
 Acq: 15 Sep 2015 16:24

Tgt Ion: 56 Resp: 134387
 Ion Ratio Lower Upper
 56 100
 55 73.5 55.7 83.5



Abundance Ion 56.00 (55.70 to 56.70): VN0
 Ion 55.00 (54.70 to 55.70): VN0





#15

Allyl chloride

Concen: 30.14 ug/l

RT: 4.37 min Scan# 865

Delta R.T. 0.00 min

Lab File: VN027170.D

Acq: 15 Sep 2015 16:24

Instrument :

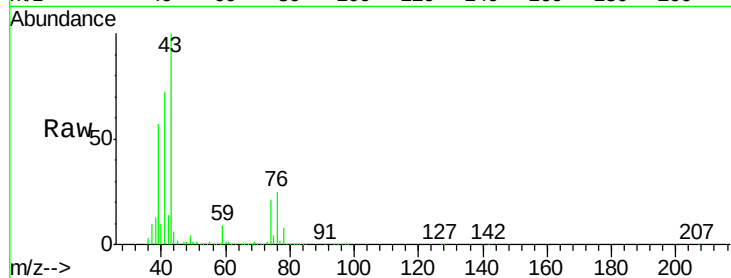
MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion: 41 Resp: 288721

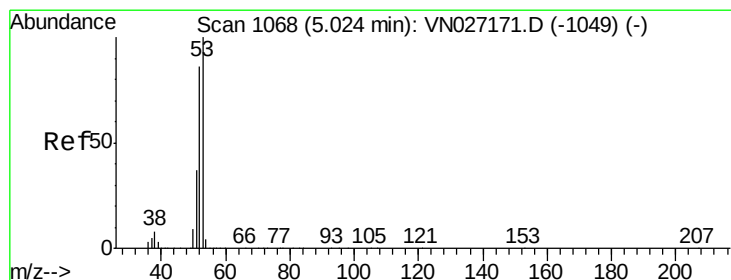
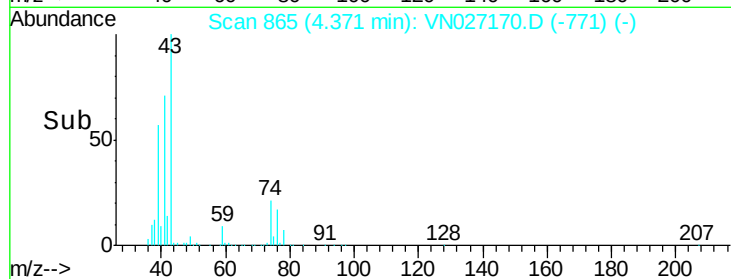
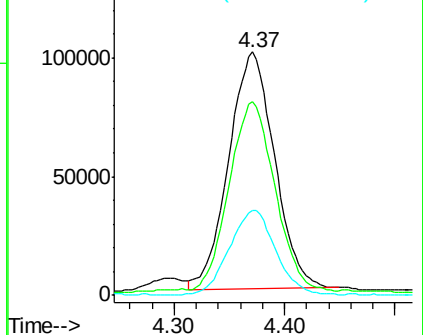
Ion	Ratio	Lower	Upper
41	100		
39	78.7	49.7	74.5#
76	35.3	24.8	37.2



Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO



#16

Acrylonitrile

Concen: 139.61 ug/l

RT: 5.03 min Scan# 1069

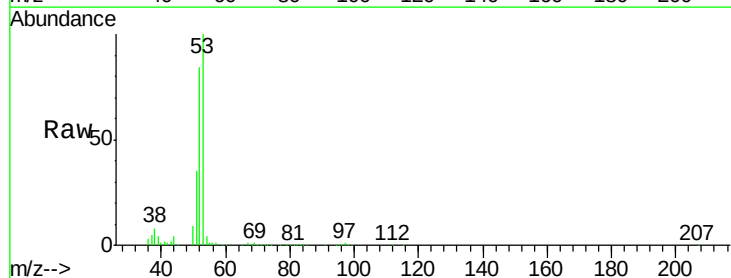
Delta R.T. 0.00 min

Lab File: VN027170.D

Acq: 15 Sep 2015 16:24

Tgt Ion: 53 Resp: 372106

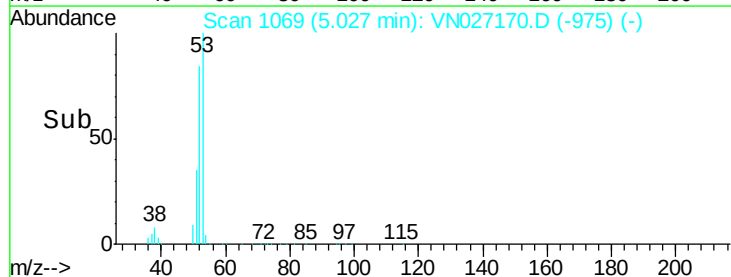
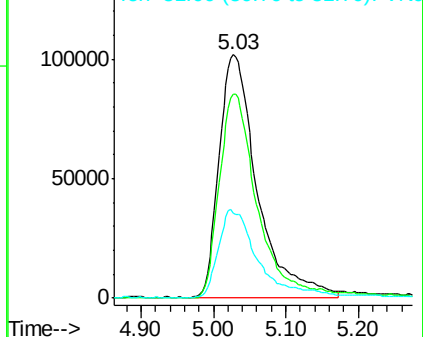
Ion	Ratio	Lower	Upper
53	100		
52	81.5	66.9	100.3
51	36.1	27.4	41.0

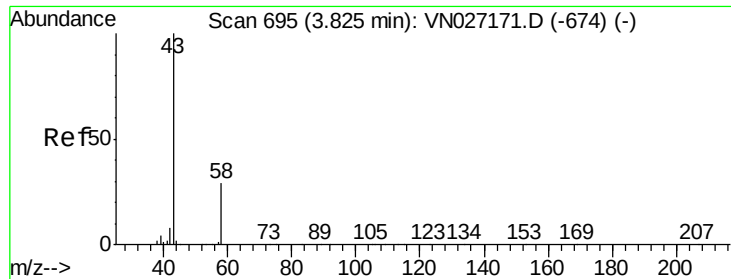


Abundance Ion 53.00 (52.70 to 53.70): VNO

Ion 52.00 (51.70 to 52.70): VNO

Ion 51.00 (50.70 to 51.70): VNO





#17

Acetone

Concen: 149.22 ug/l

RT: 3.83 min Scan# 696

Delta R.T. 0.00 min

Lab File: VN027170.D

Acq: 15 Sep 2015 16:24

Instrument :

MSVOA_N

ClientSampleId :

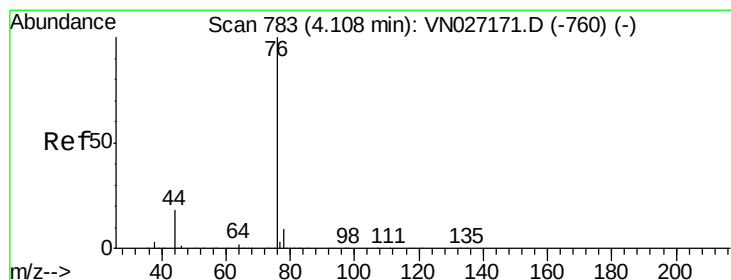
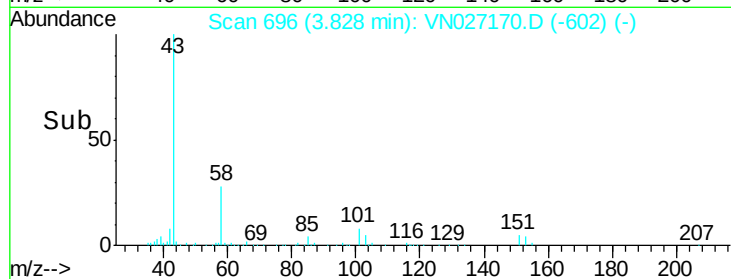
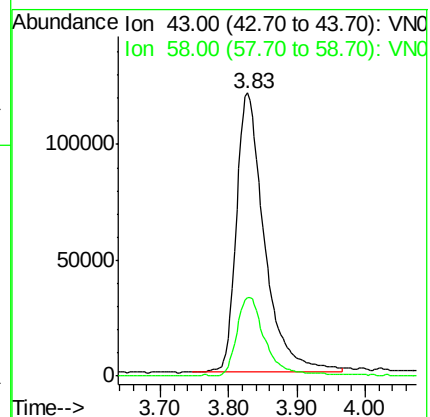
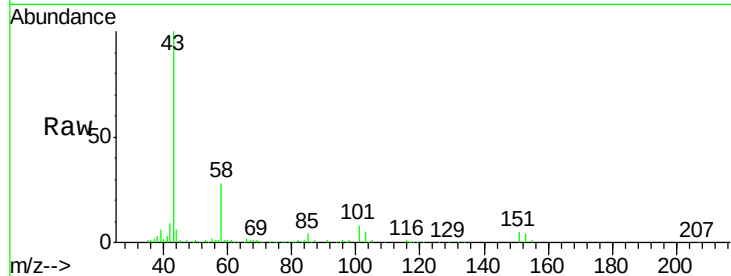
VSTDIC020

Tgt Ion: 43 Resp: 343674

Ion Ratio Lower Upper

43 100

58 28.1 25.4 38.0



#18

Carbon Disulfide

Concen: 25.93 ug/l

RT: 4.11 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN027170.D

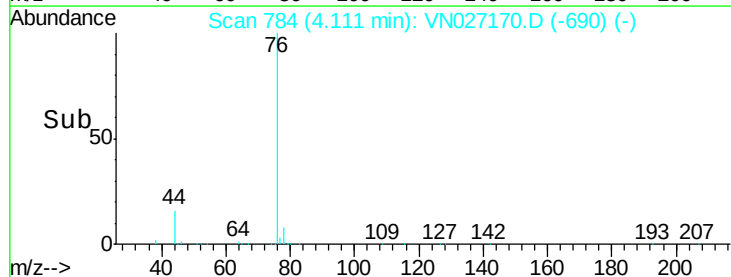
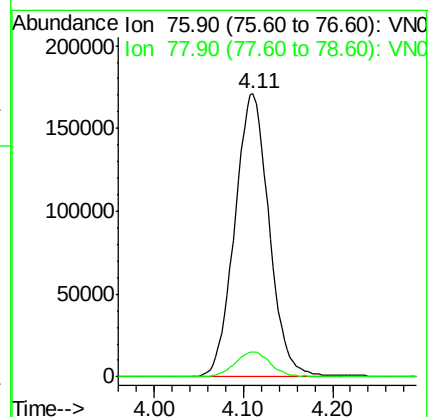
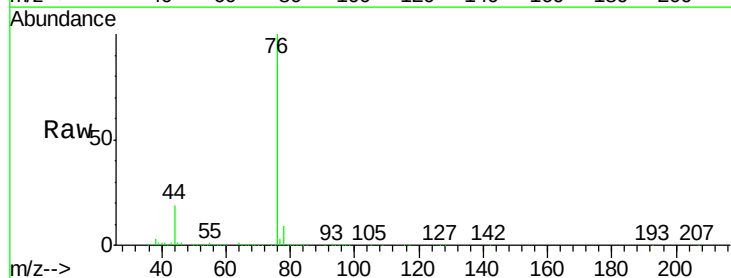
Acq: 15 Sep 2015 16:24

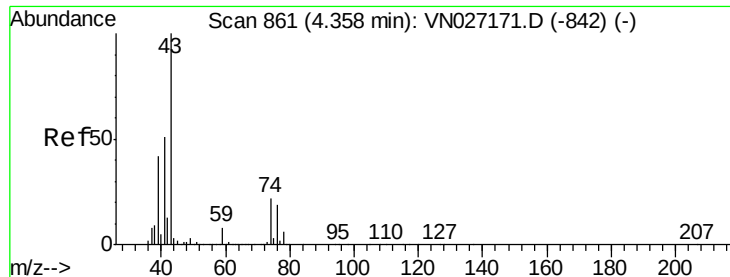
Tgt Ion: 76 Resp: 457538

Ion Ratio Lower Upper

76 100

78 8.6 7.1 10.7

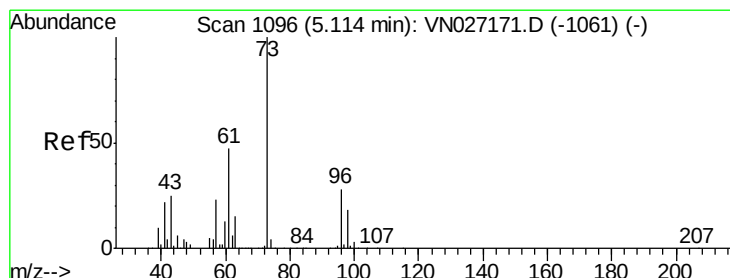
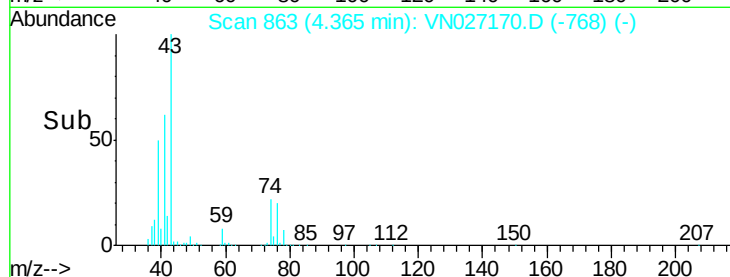
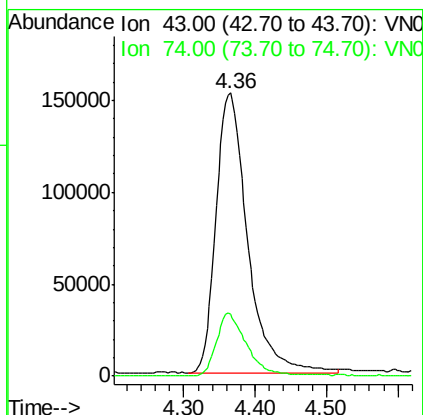
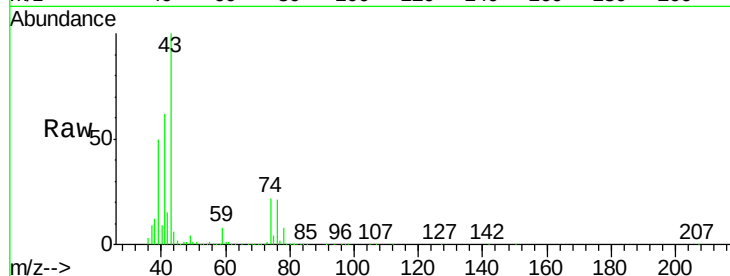




#19
Methyl Acetate
Concen: 30.99 ug/l
RT: 4.36 min Scan# 863
Delta R.T. 0.01 min
Lab File: VN027170.D
Acq: 15 Sep 2015 16:24

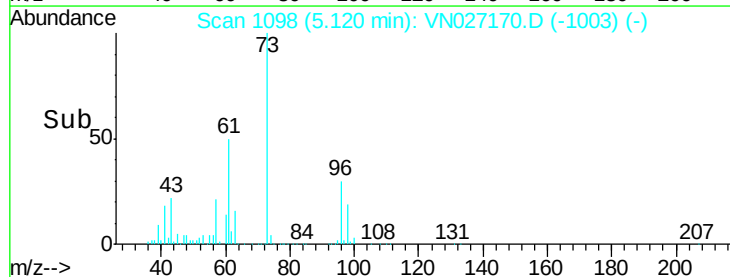
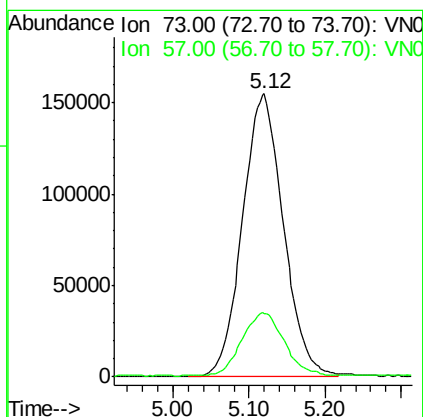
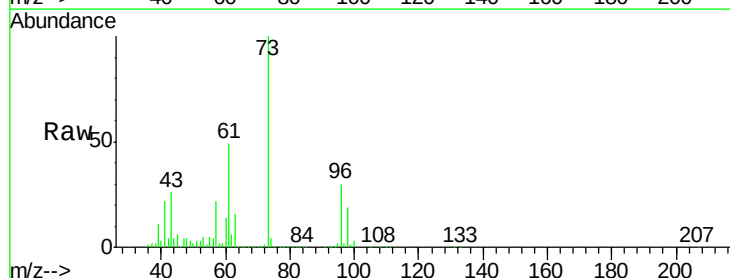
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

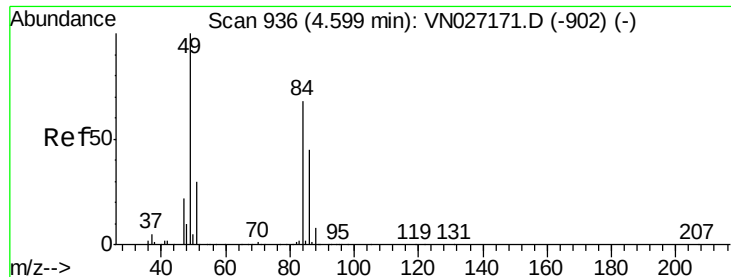
Tgt Ion: 43 Resp: 470464
Ion Ratio Lower Upper
43 100
74 21.1 16.2 24.2



#20
Methyl tert-butyl Ether
Concen: 30.21 ug/l
RT: 5.12 min Scan# 1098
Delta R.T. 0.01 min
Lab File: VN027170.D
Acq: 15 Sep 2015 16:24

Tgt Ion: 73 Resp: 576569
Ion Ratio Lower Upper
73 100
57 21.9 19.8 29.6

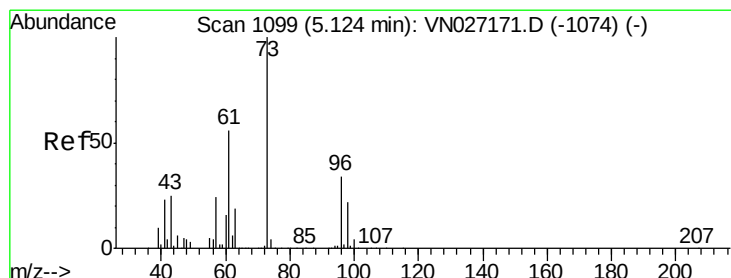
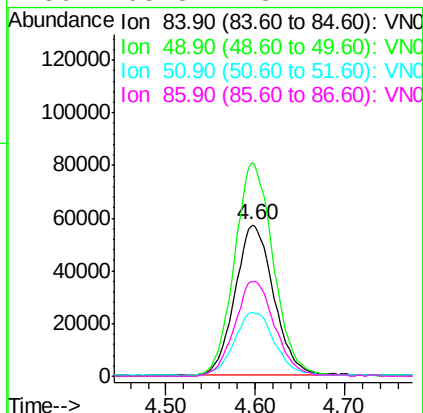
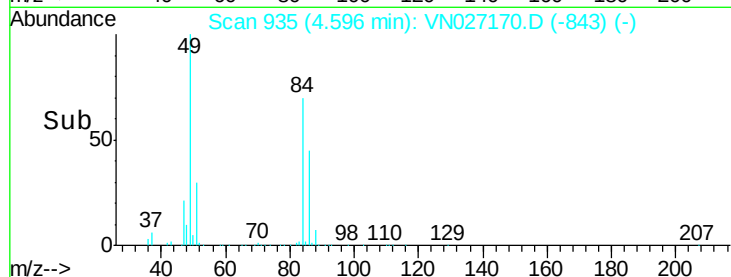
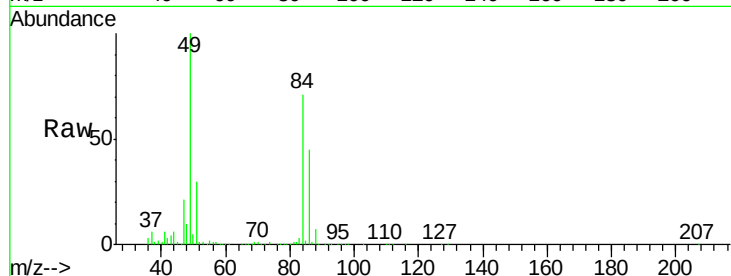




#21
Methylene Chloride
Concen: 25.24 ug/l
RT: 4.60 min Scan# 935
Delta R.T. -0.00 min
Lab File: VN027170.D
Acq: 15 Sep 2015 16:24

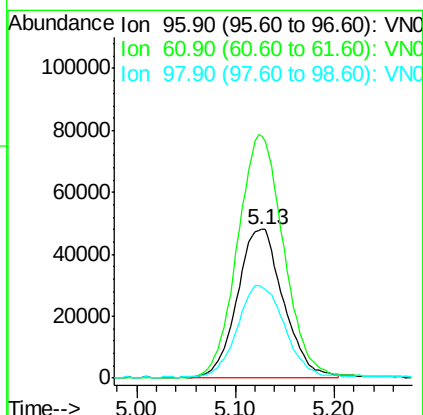
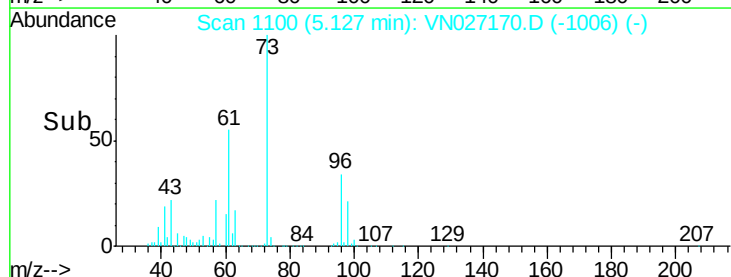
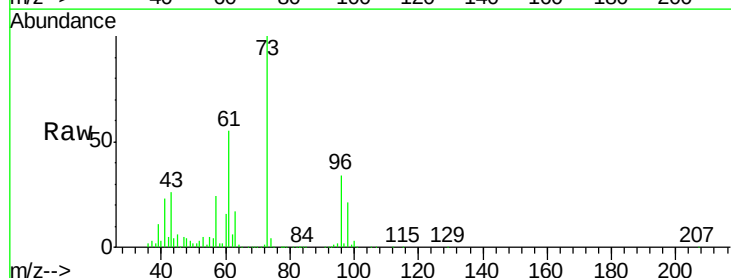
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

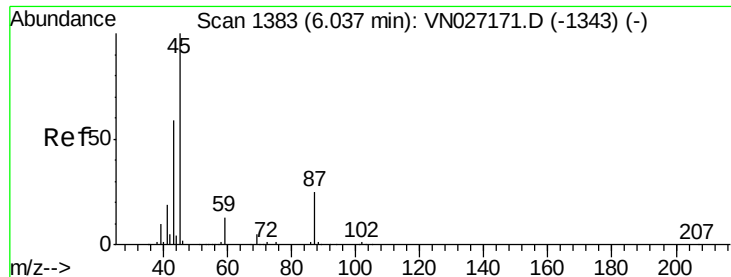
Tgt Ion:	84	Resp:	173128
Ion	Ratio	Lower	Upper
84	100		
49	142.0	112.3	168.5
51	41.9	33.8	50.8
86	63.3	48.2	72.4



#22
trans-1,2-Dichloroethene
Concen: 24.34 ug/l
RT: 5.13 min Scan# 1100
Delta R.T. 0.00 min
Lab File: VN027170.D
Acq: 15 Sep 2015 16:24

Tgt Ion:	96	Resp:	153809
Ion	Ratio	Lower	Upper
96	100		
61	163.5	126.6	189.8
98	61.0	47.4	71.2

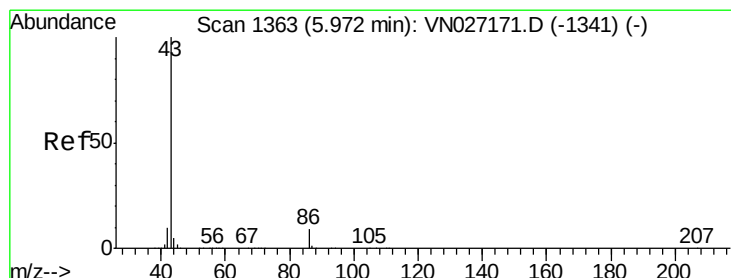
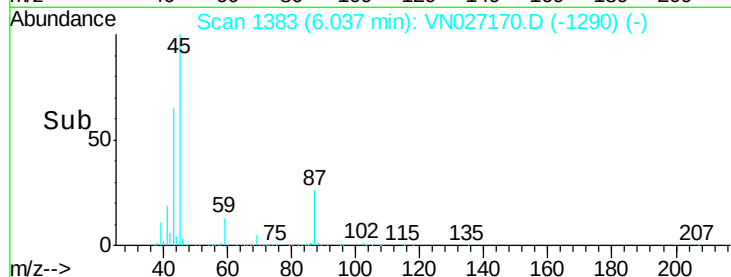
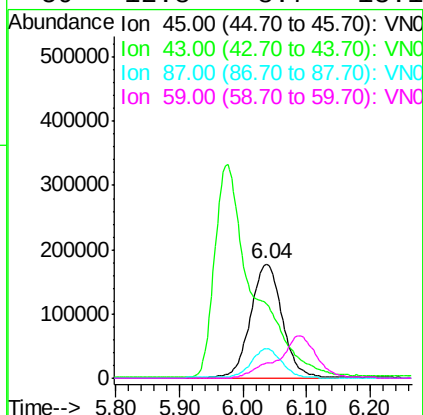
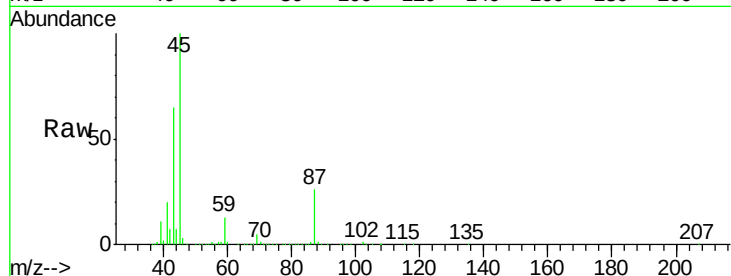




#23
 Diisopropyl ether
 Concen: 29.85 ug/l
 RT: 6.04 min Scan# 1383
 Delta R.T. 0.00 min
 Lab File: VN027170.D
 Acq: 15 Sep 2015 16:24

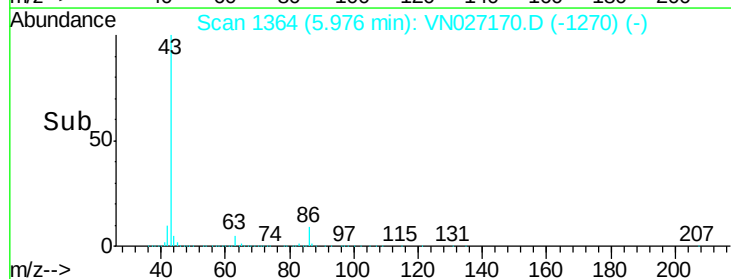
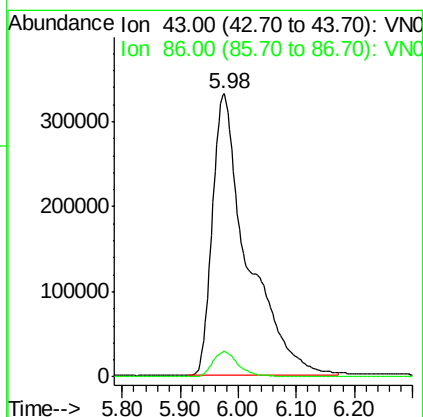
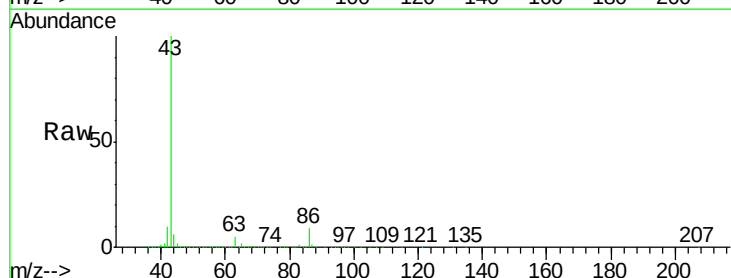
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

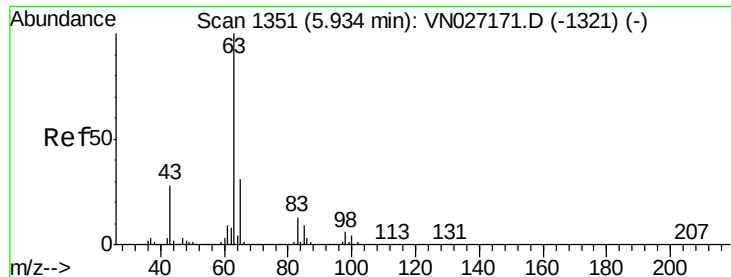
Tgt Ion:	45	Resp:	617958
Ion	Ratio	Lower	Upper
45	100		
43	64.5	41.0	61.6#
87	25.6	17.5	26.3
59	12.8	8.7	13.1



#24
 Vinyl Acetate
 Concen: 224.66 ug/l
 RT: 5.98 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VN027170.D
 Acq: 15 Sep 2015 16:24

Tgt Ion:	43	Resp:	1396571
Ion	Ratio	Lower	Upper
43	100		
86	9.0	6.9	10.3





#25

1,1-Dichloroethane

Concen: 30.18 ug/l

RT: 5.93 min Scan# 1351

Delta R.T. 0.00 min

Lab File: VN027170.D

Acq: 15 Sep 2015 16:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

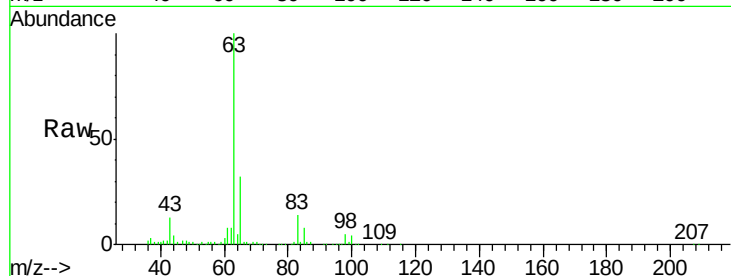
Tgt Ion: 63 Resp: 354445

Ion Ratio Lower Upper

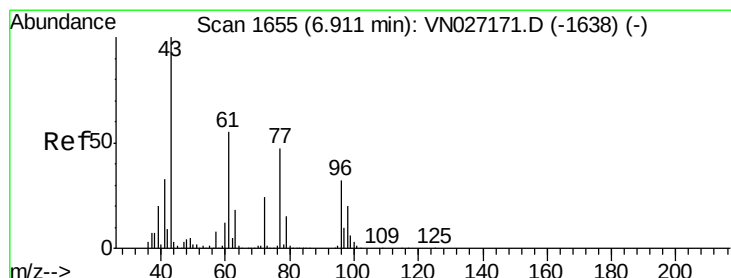
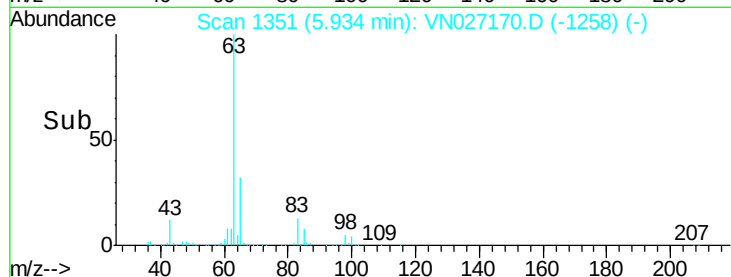
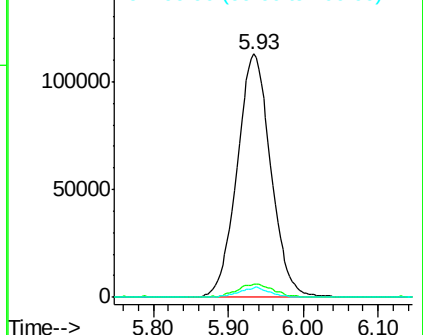
63 100

98 5.0 2.8 8.3

100 3.9 1.7 5.0



Abundance Ion 62.90 (62.60 to 63.60): VN0
Ion 97.90 (97.60 to 98.60): VN0
Ion 99.90 (99.60 to 100.60): VN0



#26

2-Butanone

Concen: 154.74 ug/l

RT: 6.92 min Scan# 1657

Delta R.T. 0.01 min

Lab File: VN027170.D

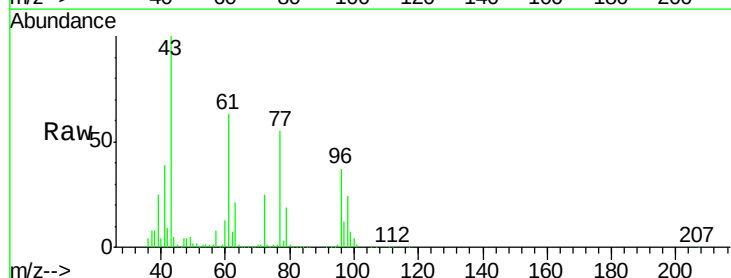
Acq: 15 Sep 2015 16:24

Tgt Ion: 43 Resp: 488889

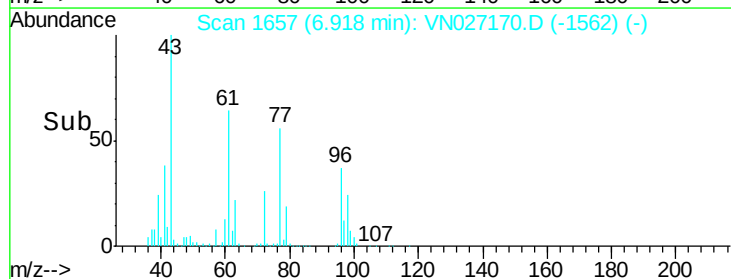
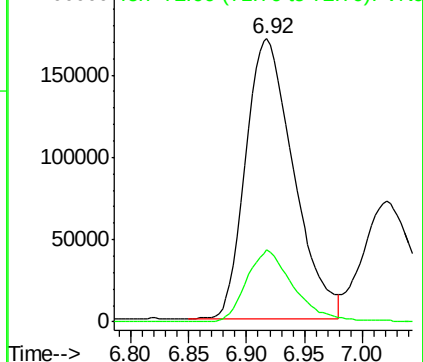
Ion Ratio Lower Upper

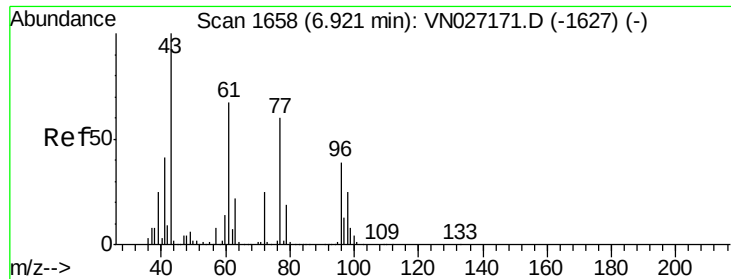
43 100

72 25.6 18.8 28.2



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 72.00 (71.70 to 72.70): VN0

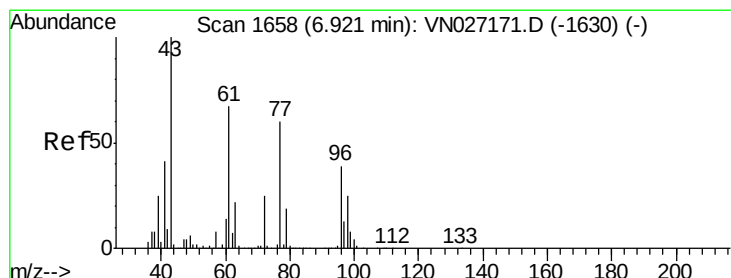
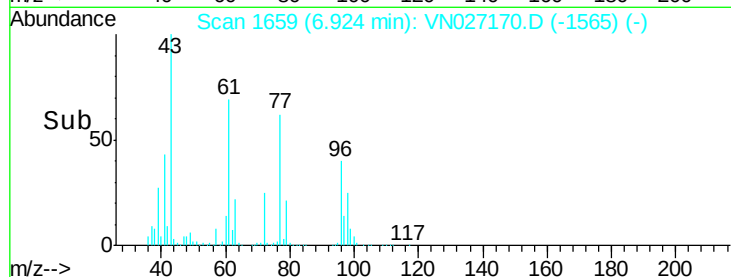
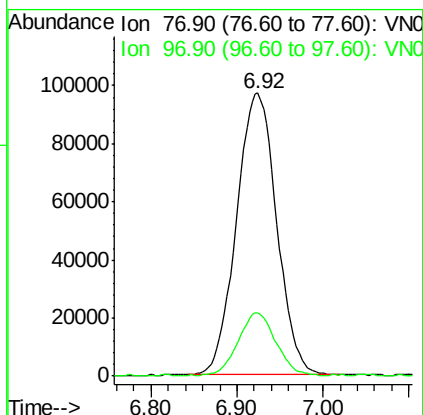
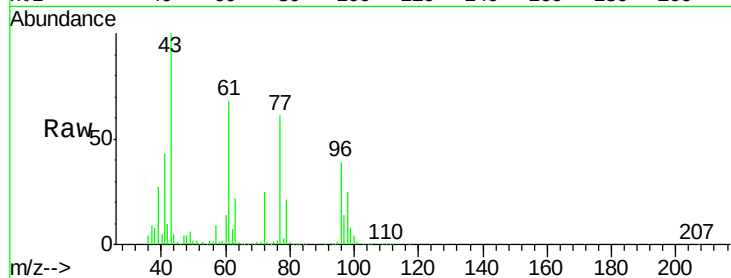




#27
 2,2-Dichloropropane
 Concen: 33.91 ug/l
 RT: 6.92 min Scan# 1659
 Delta R.T. 0.00 min
 Lab File: VN027170.D
 Acq: 15 Sep 2015 16:24

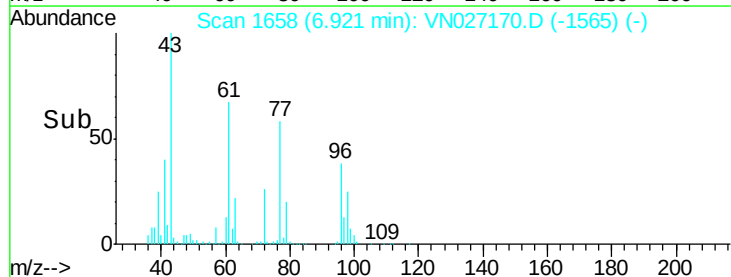
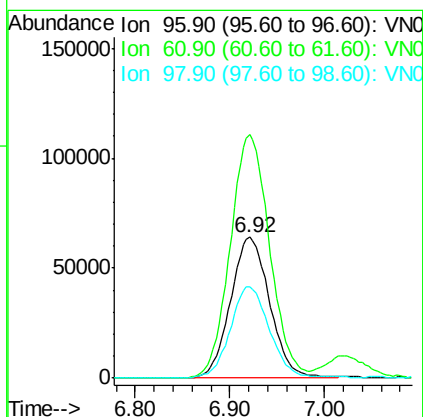
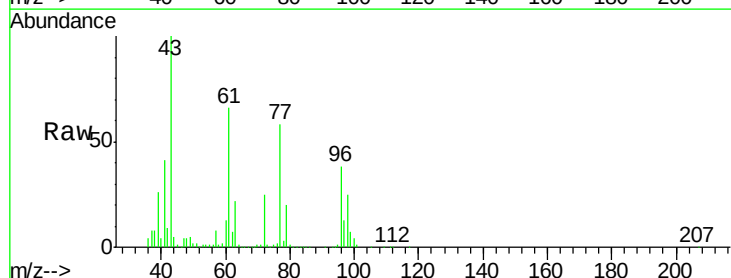
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

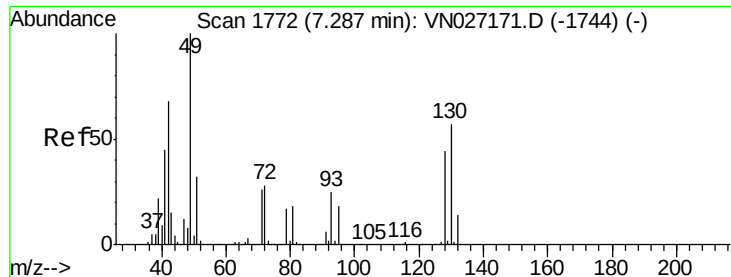
Tgt Ion: 77 Resp: 314310
 Ion Ratio Lower Upper
 77 100
 97 20.9 11.8 35.3



#28
 cis-1,2-Dichloroethene
 Concen: 24.55 ug/l
 RT: 6.92 min Scan# 1658
 Delta R.T. 0.00 min
 Lab File: VN027170.D
 Acq: 15 Sep 2015 16:24

Tgt Ion: 96 Resp: 180988
 Ion Ratio Lower Upper
 96 100
 61 175.5 0.0 329.2
 98 65.3 0.0 126.0





#29

Bromochloromethane

Concen: 27.02 ug/l

RT: 7.29 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VN027170.D

Acq: 15 Sep 2015 16:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

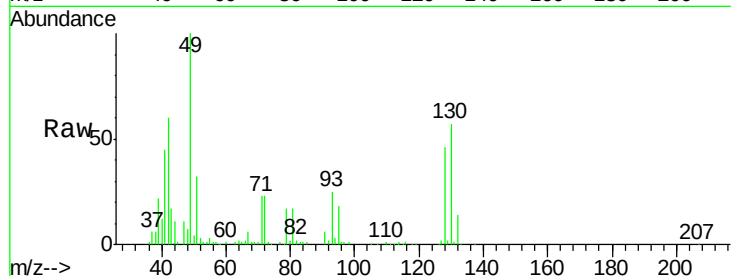
Tgt Ion: 49 Resp: 152651

Ion Ratio Lower Upper

49 100

129 1.9 0.0 3.2

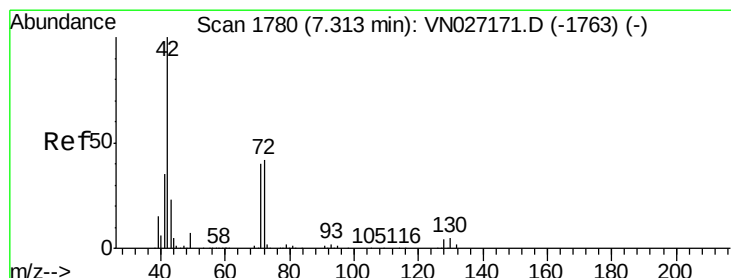
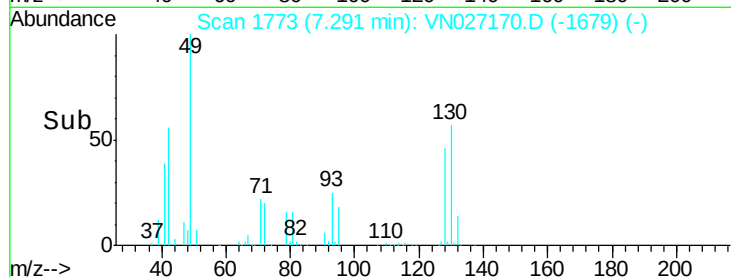
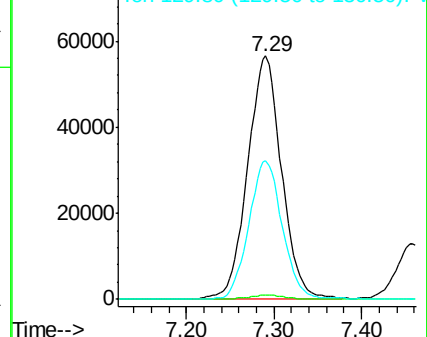
130 55.9 43.2 64.8



Abundance Ion 48.90 (48.60 to 49.60): VNO

Ion 128.80 (128.50 to 129.50): VNO

Ion 129.80 (129.50 to 130.50): VNO



#30

Tetrahydrofuran

Concen: 148.70 ug/l

RT: 7.32 min Scan# 1781

Delta R.T. 0.00 min

Lab File: VN027170.D

Acq: 15 Sep 2015 16:24

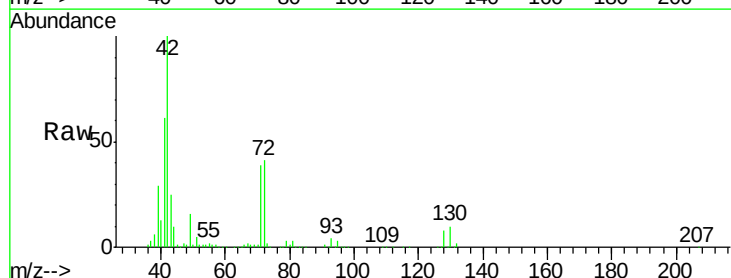
Tgt Ion: 42 Resp: 309032

Ion Ratio Lower Upper

42 100

72 43.5 29.9 44.9

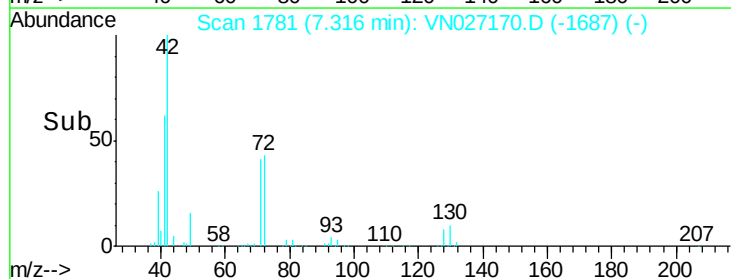
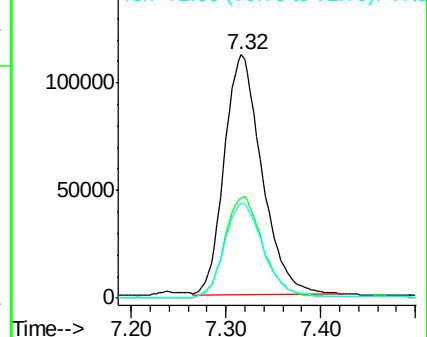
71 40.6 28.3 42.5

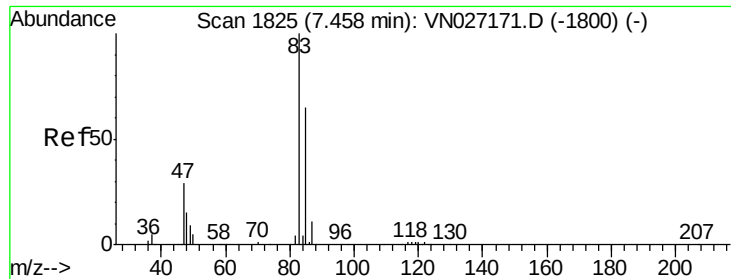


Abundance Ion 42.00 (41.70 to 42.70): VNO

Ion 72.00 (71.70 to 72.70): VNO

Ion 71.00 (70.70 to 71.70): VNO

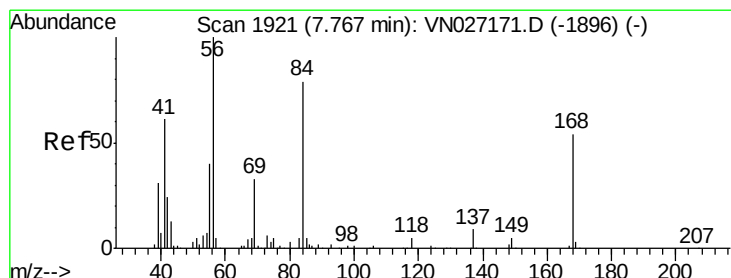
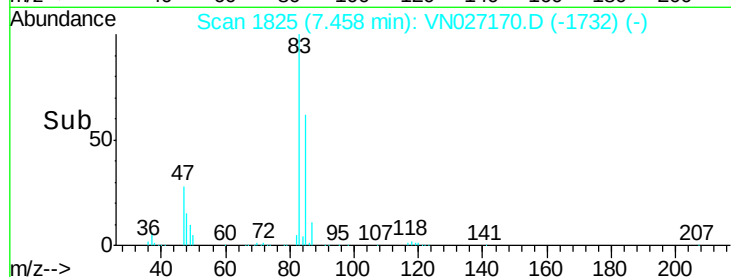
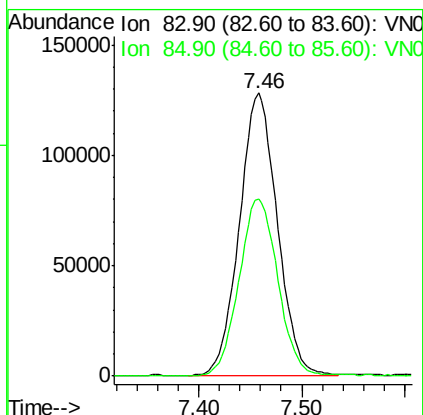
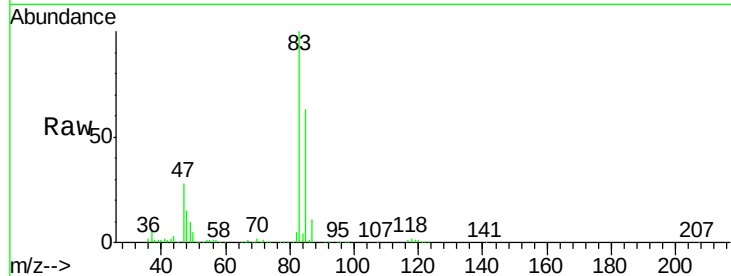




#31
Chloroform
Concen: 27.43 ug/l
RT: 7.46 min Scan# 1825
Delta R.T. 0.00 min
Lab File: VN027170.D
Acq: 15 Sep 2015 16:24

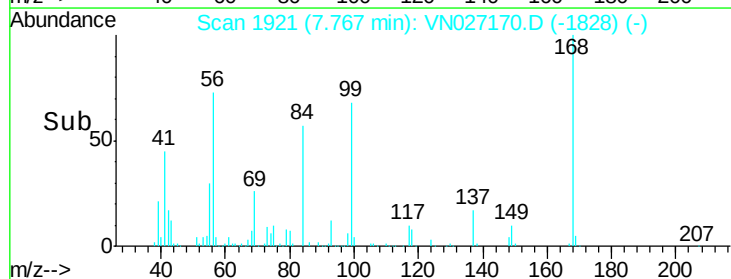
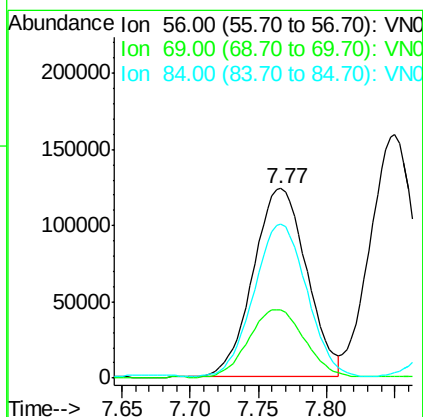
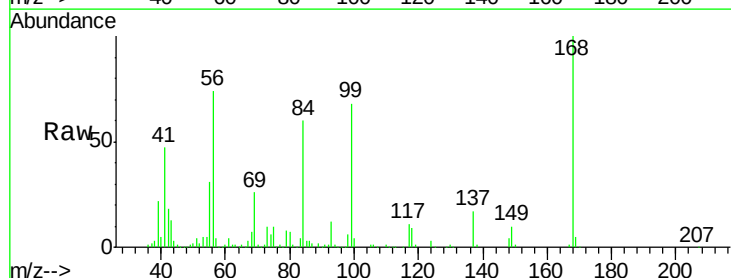
Instrument :
MSVOA_N
ClientSampled :
VSTDIC020

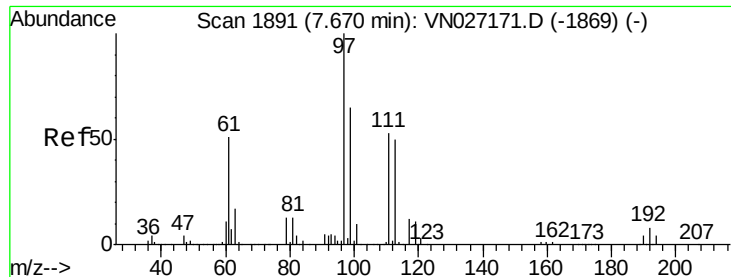
Tgt Ion: 83 Resp: 324901
Ion Ratio Lower Upper
83 100
85 62.8 51.1 76.7



#32
Cyclohexane
Concen: 24.55 ug/l
RT: 7.77 min Scan# 1921
Delta R.T. 0.00 min
Lab File: VN027170.D
Acq: 15 Sep 2015 16:24

Tgt Ion: 56 Resp: 337892
Ion Ratio Lower Upper
56 100
69 35.5 23.0 34.4#
84 81.1 57.8 86.8

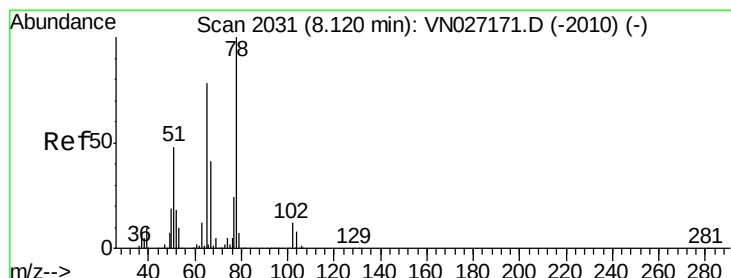
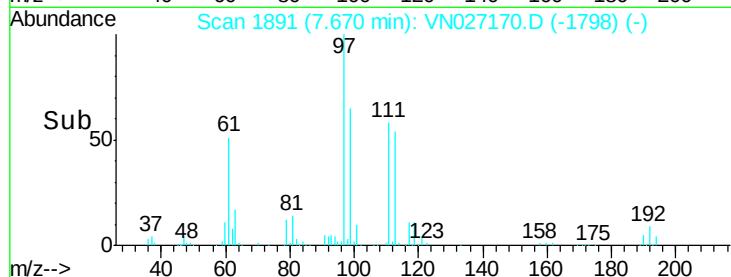
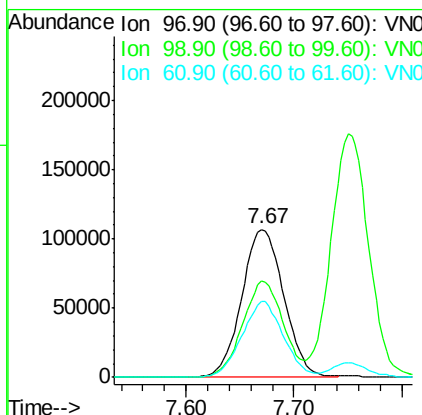
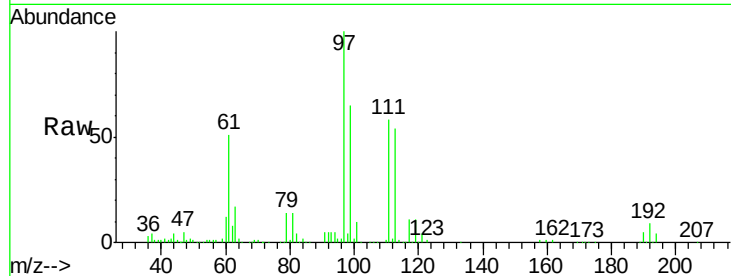




#33
 1,1,1-Trichloroethane
 Concen: 28.63 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. 0.00 min
 Lab File: VN027170.D
 Acq: 15 Sep 2015 16:24

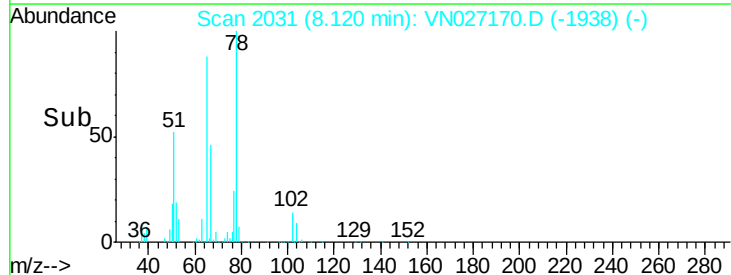
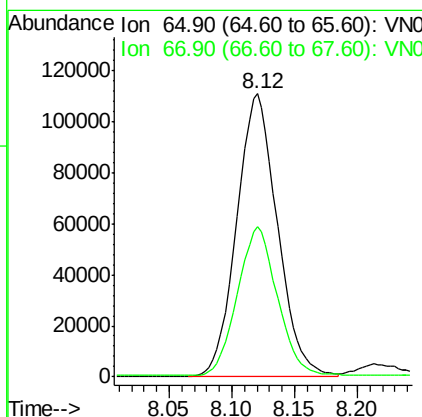
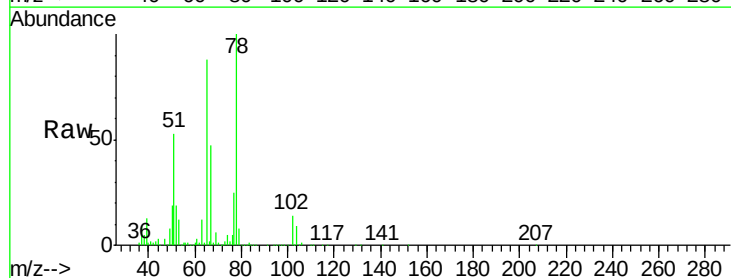
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

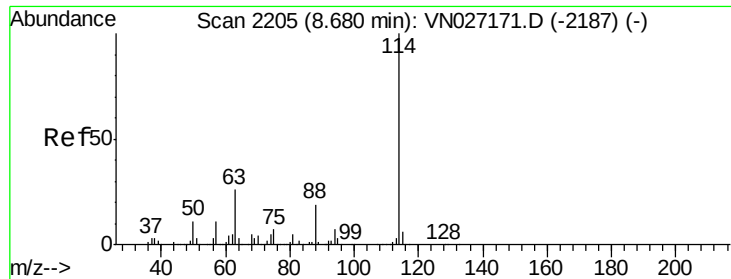
Tgt Ion: 97 Resp: 287079
 Ion Ratio Lower Upper
 97 100
 99 63.7 50.1 75.1
 61 51.0 44.0 66.0



#34
 1,2-Dichloroethane-d4
 Concen: 32.08 ug/l
 RT: 8.12 min Scan# 2031
 Delta R.T. 0.00 min
 Lab File: VN027170.D
 Acq: 15 Sep 2015 16:24

Tgt Ion: 65 Resp: 249610
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 110.6

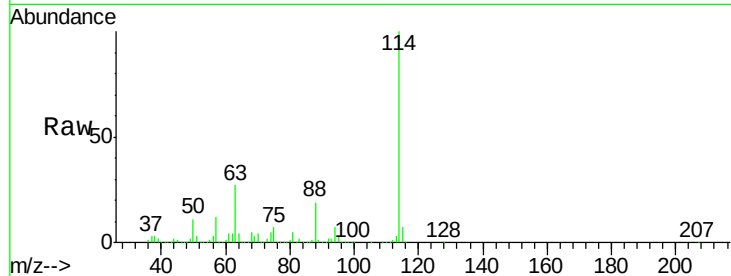




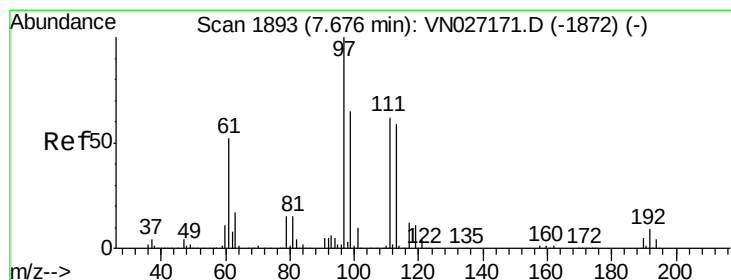
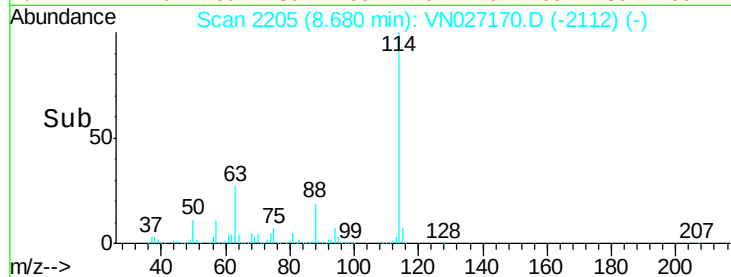
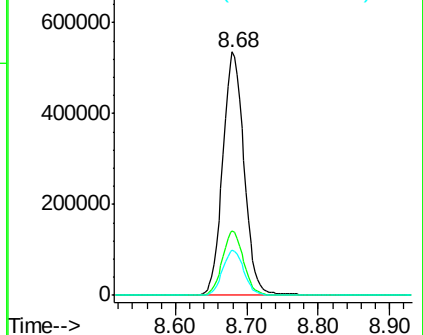
#35
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.68 min Scan# 2205
 Delta R.T. 0.00 min
 Lab File: VN027170.D
 Acq: 15 Sep 2015 16:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tgt Ion:114 Resp: 1114707
 Ion Ratio Lower Upper
 114 100
 63 26.6 0.0 48.8
 88 18.6 0.0 32.2

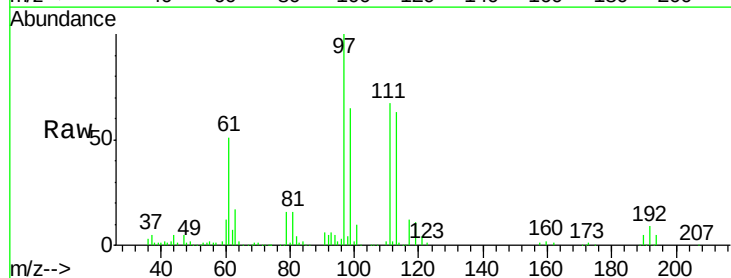


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

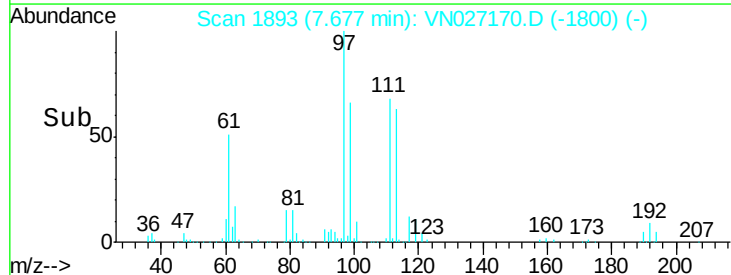
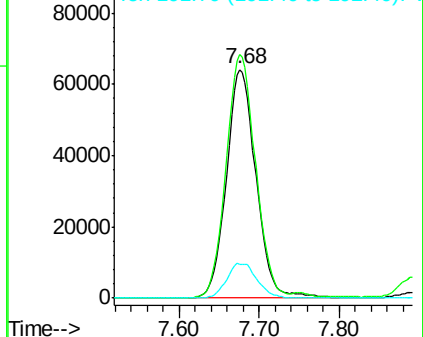


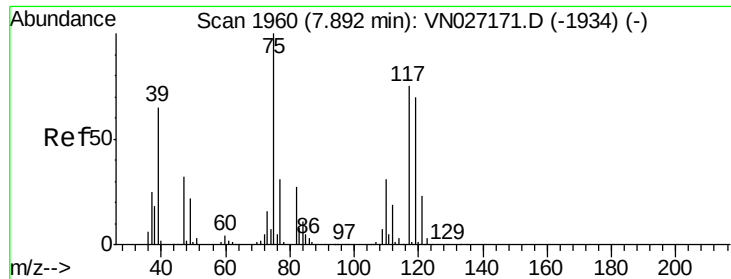
#36
 Dibromofluoromethane
 Concen: 23.69 ug/l
 RT: 7.68 min Scan# 1893
 Delta R.T. 0.00 min
 Lab File: VN027170.D
 Acq: 15 Sep 2015 16:24

Tgt Ion:113 Resp: 161914
 Ion Ratio Lower Upper
 113 100
 111 106.1 83.0 124.4
 192 15.5 14.1 21.1



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

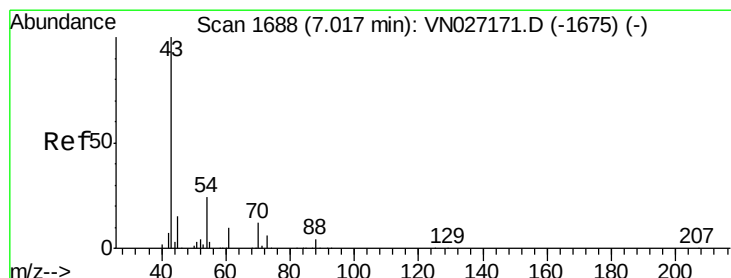
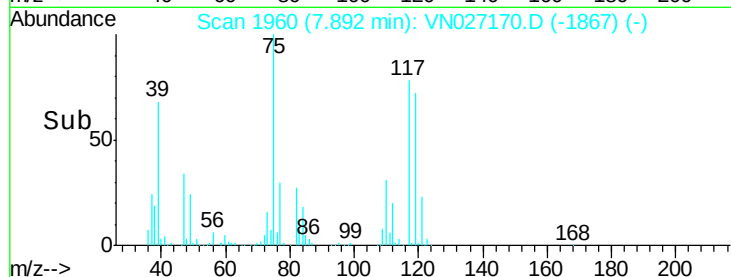
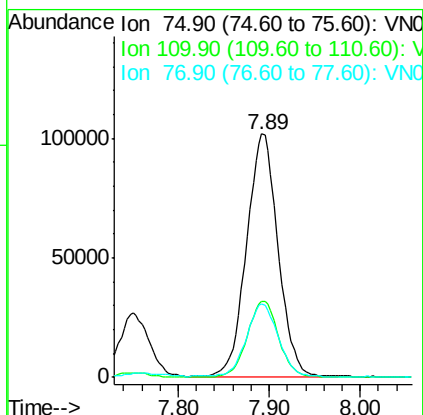
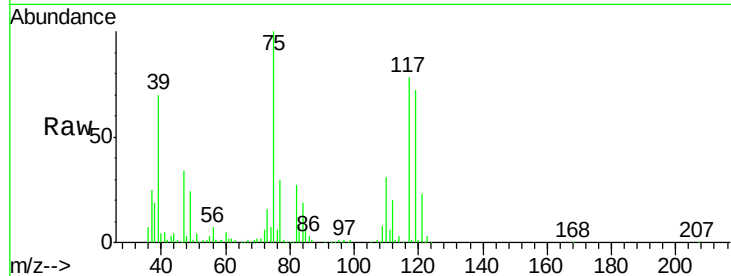




#37
 1,1-Dichloropropene
 Concen: 23.30 ug/l
 RT: 7.89 min Scan# 1960
 Delta R.T. 0.00 min
 Lab File: VN027170.D
 Acq: 15 Sep 2015 16:24

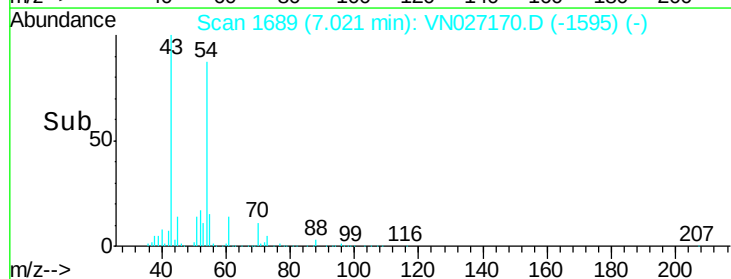
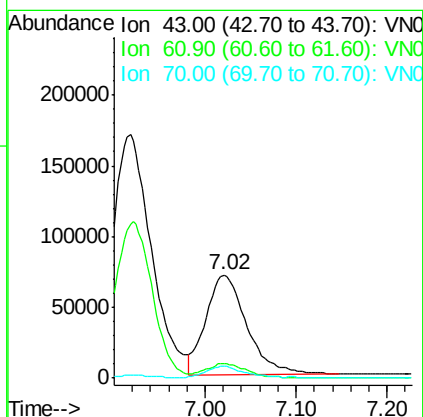
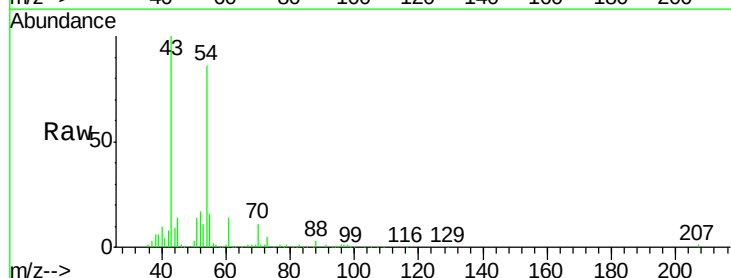
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

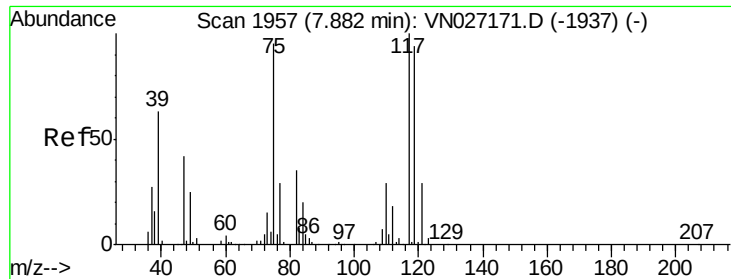
Tgt Ion: 75 Resp: 243770
 Ion Ratio Lower Upper
 75 100
 110 31.4 15.9 47.7
 77 30.5 24.9 37.3



#38
 Ethyl Acetate
 Concen: 29.50 ug/l
 RT: 7.02 min Scan# 1689
 Delta R.T. 0.00 min
 Lab File: VN027170.D
 Acq: 15 Sep 2015 16:24

Tgt Ion: 43 Resp: 219067
 Ion Ratio Lower Upper
 43 100
 61 12.0 10.2 15.4
 70 10.1 7.4 11.0





#39

Carbon Tetrachloride

Concen: 23.82 ug/l

RT: 7.88 min Scan# 1957

Delta R.T. 0.00 min

Lab File: VN027170.D

Acq: 15 Sep 2015 16:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

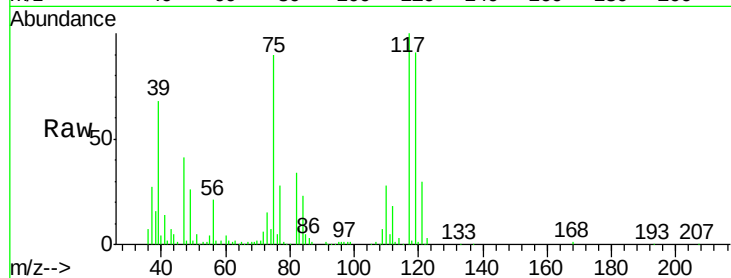
Tgt Ion: 117 Resp: 235531

Ion Ratio Lower Upper

117 100

119 91.5 75.3 112.9

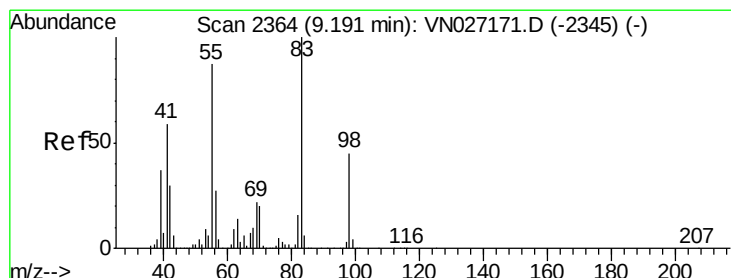
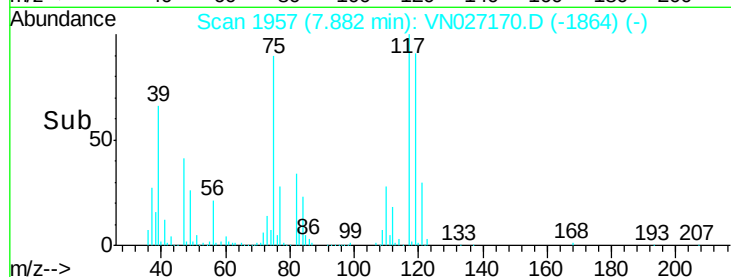
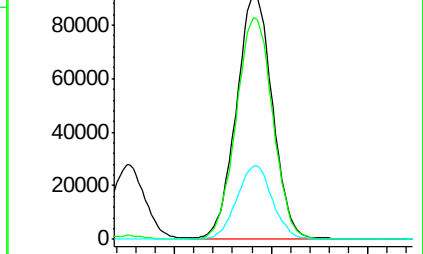
121 30.3 23.8 35.8



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#40

Methylcyclohexane

Concen: 23.65 ug/l

RT: 9.19 min Scan# 2364

Delta R.T. 0.00 min

Lab File: VN027170.D

Acq: 15 Sep 2015 16:24

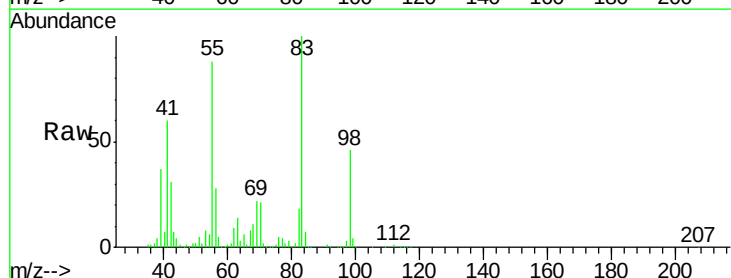
Tgt Ion: 83 Resp: 299411

Ion Ratio Lower Upper

83 100

55 87.4 69.8 104.8

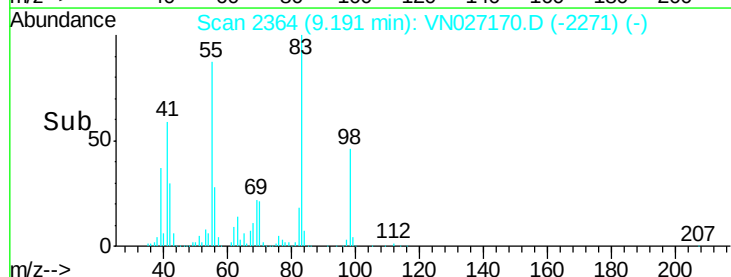
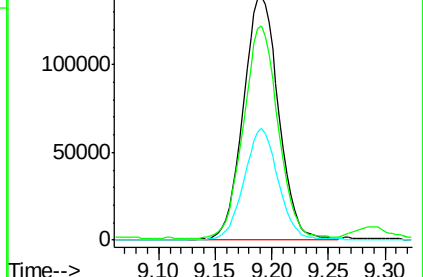
98 45.9 34.3 51.5

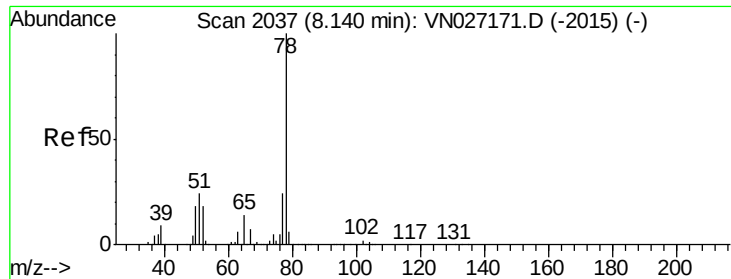


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 98.00 (97.70 to 98.70): V





#41

Benzene

Concen: 22.40 ug/l

RT: 8.14 min Scan# 2038

Delta R.T. 0.00 min

Lab File: VN027170.D

Acq: 15 Sep 2015 16:24

Instrument :

MSVOA_N

ClientSampleId :

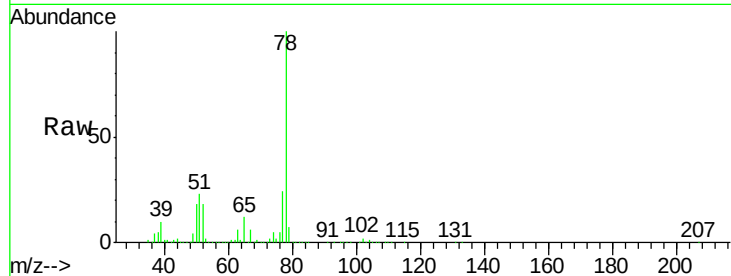
VSTDIC020

Tgt Ion: 78 Resp: 723372

Ion Ratio Lower Upper

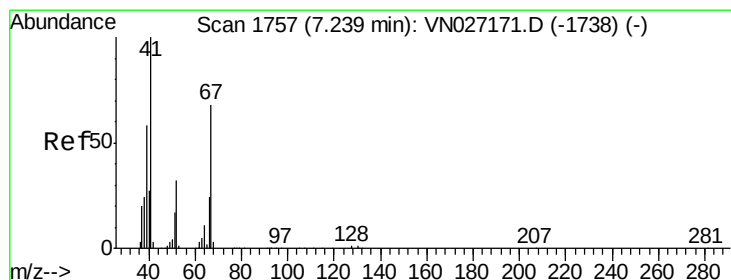
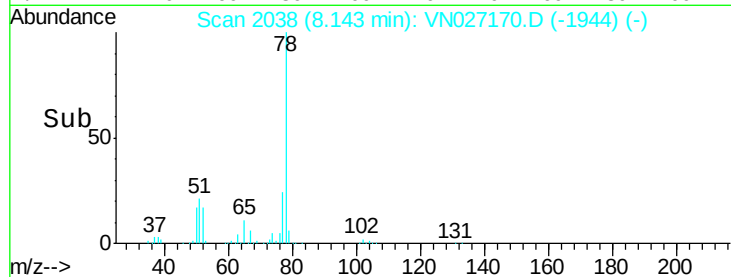
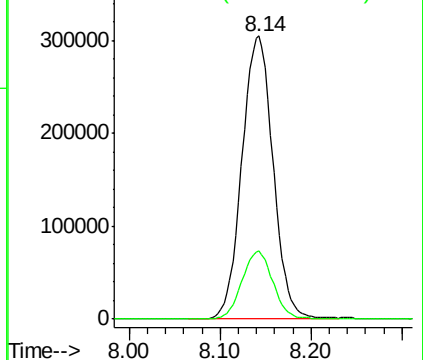
78 100

77 23.8 19.0 28.4



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



#42

Methacrylonitrile

Concen: 25.40 ug/l

RT: 7.24 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VN027170.D

Acq: 15 Sep 2015 16:24

Tgt Ion: 41 Resp: 122040

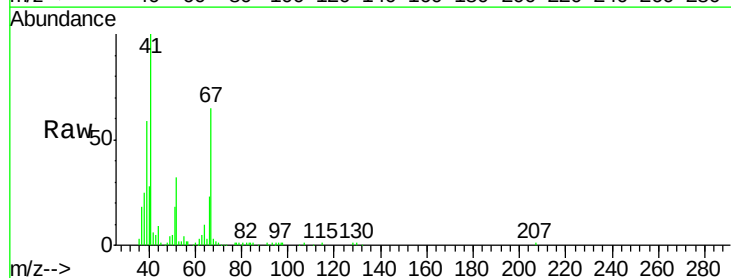
Ion Ratio Lower Upper

41 100

39 58.2 43.0 64.6

67 72.0 52.2 78.2

52 33.2 21.3 31.9#

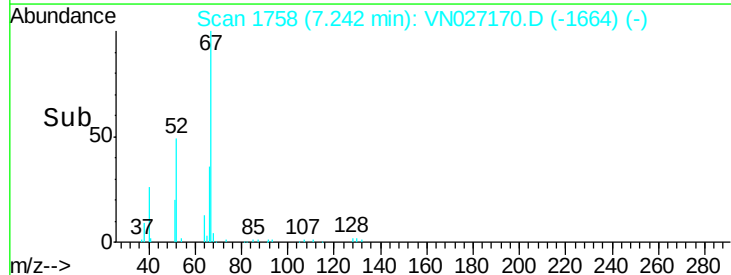
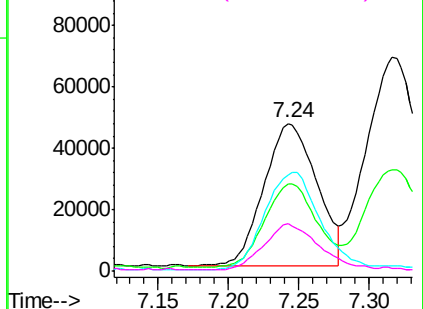


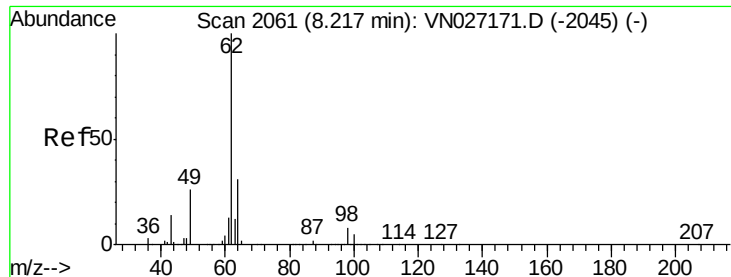
Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

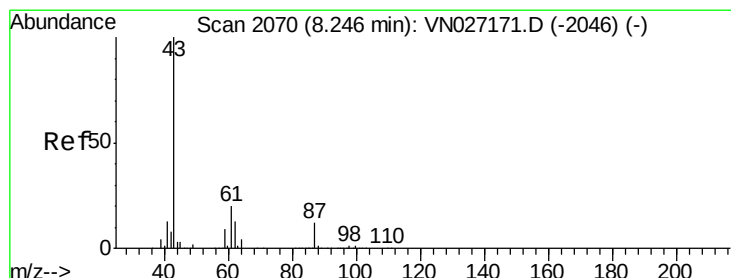
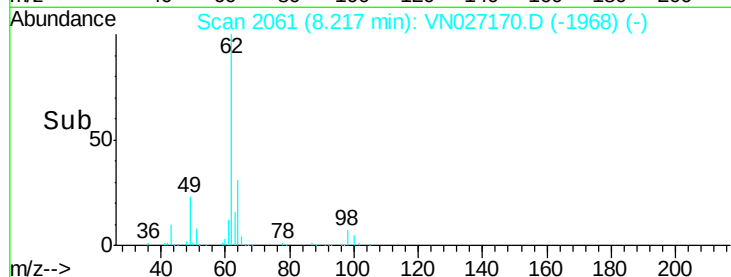
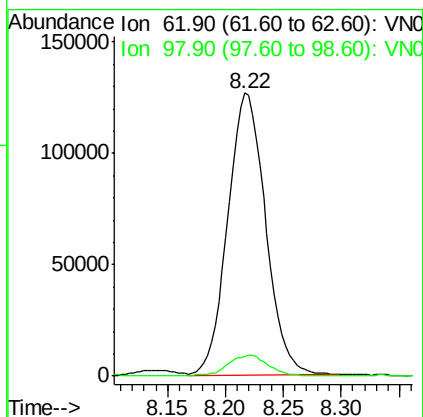
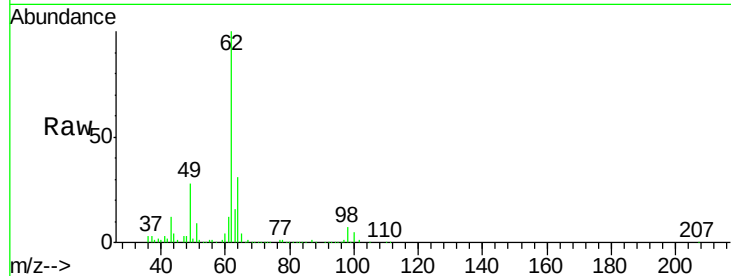




#43
 1,2-Dichloroethane
 Concen: 25.88 ug/l
 RT: 8.22 min Scan# 2061
 Delta R.T. 0.00 min
 Lab File: VN027170.D
 Acq: 15 Sep 2015 16:24

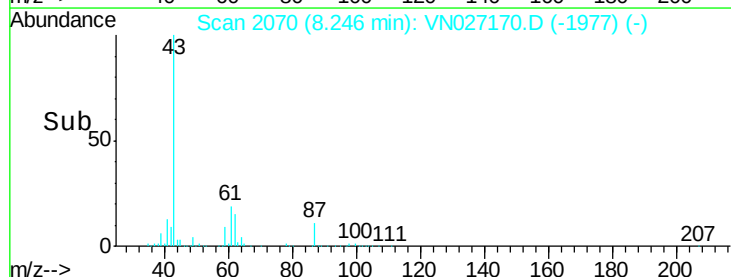
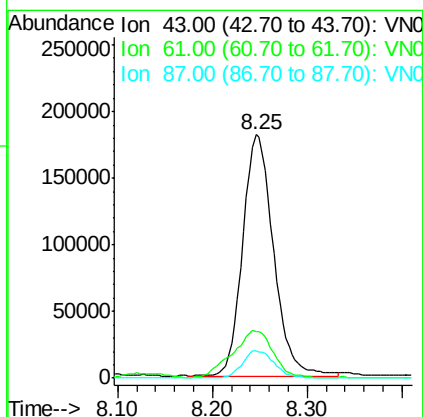
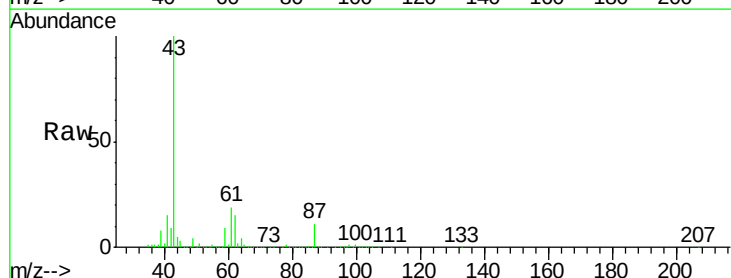
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

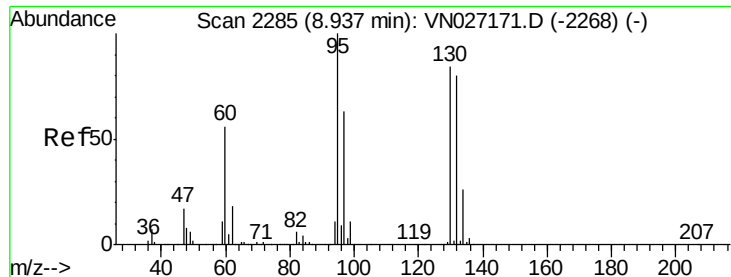
Tgt Ion: 62 Resp: 287322
 Ion Ratio Lower Upper
 62 100
 98 7.3 0.0 18.0



#44
 Isopropyl Acetate
 Concen: 30.47 ug/l
 RT: 8.25 min Scan# 2070
 Delta R.T. 0.00 min
 Lab File: VN027170.D
 Acq: 15 Sep 2015 16:24

Tgt Ion: 43 Resp: 409662
 Ion Ratio Lower Upper
 43 100
 61 25.1 20.6 31.0
 87 11.8 8.6 13.0





#45

Trichloroethene

Concen: 18.73 ug/l

RT: 8.94 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN027170.D

Acq: 15 Sep 2015 16:24

Instrument :

MSVOA_N

ClientSampleId :

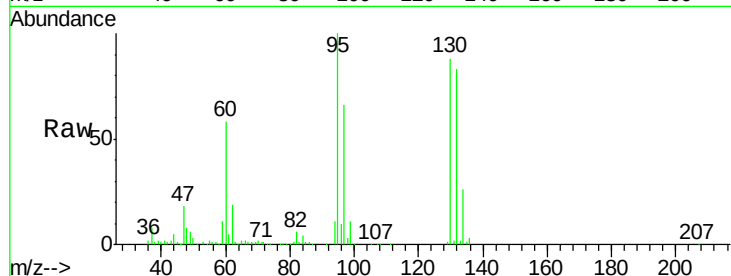
VSTDIC020

Tgt Ion:130 Resp: 147418

Ion Ratio Lower Upper

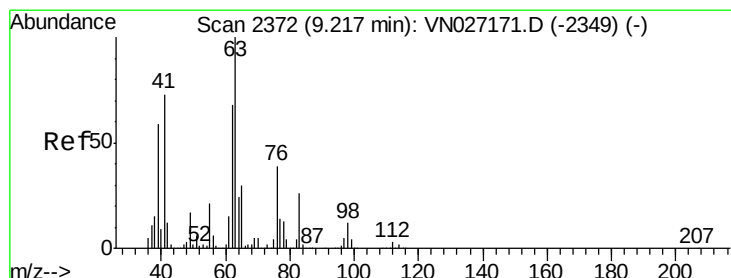
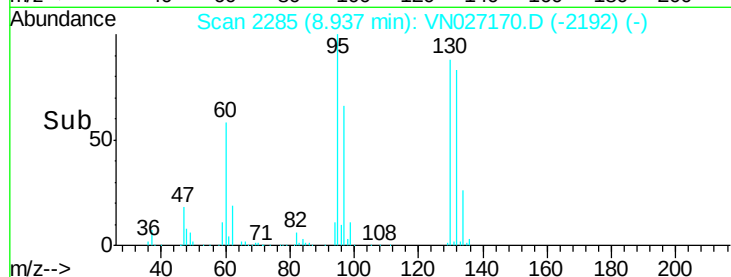
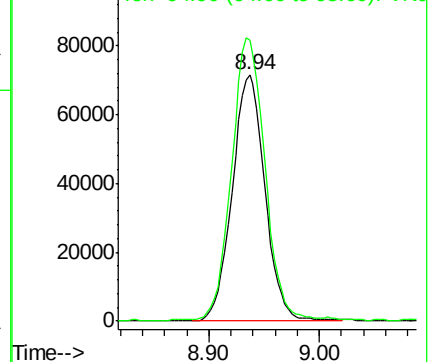
130 100

95 113.6 0.0 222.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VNO



#46

1,2-Dichloropropane

Concen: 24.70 ug/l

RT: 9.22 min Scan# 2372

Delta R.T. 0.00 min

Lab File: VN027170.D

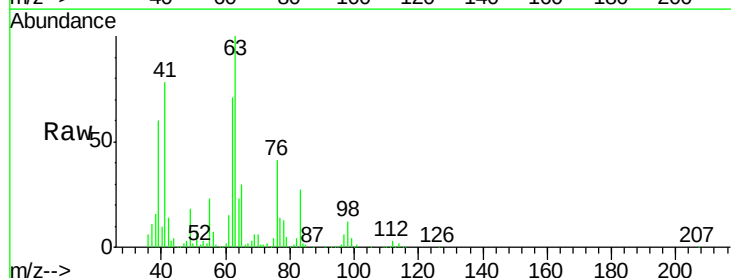
Acq: 15 Sep 2015 16:24

Tgt Ion: 63 Resp: 207400

Ion Ratio Lower Upper

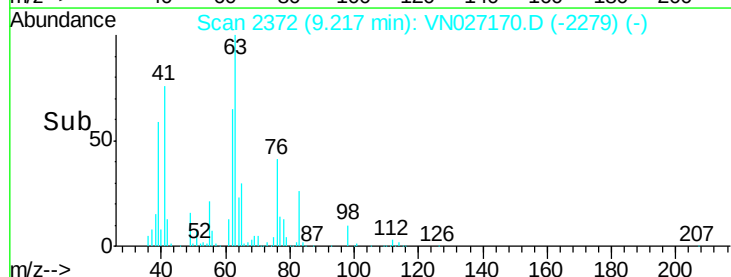
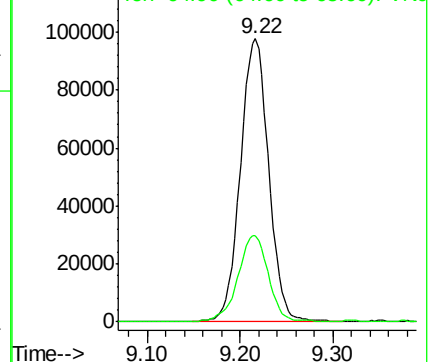
63 100

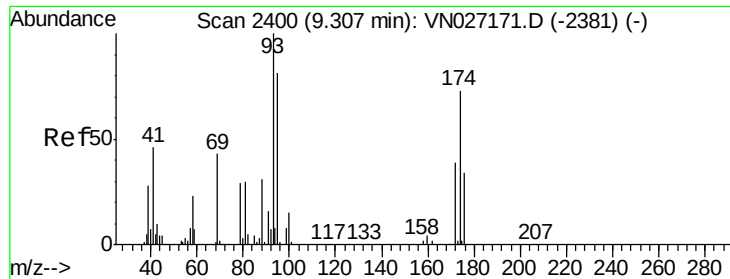
65 30.1 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO





#47

Dibromomethane

Concen: 23.82 ug/l

RT: 9.31 min Scan# 2400

Delta R.T. 0.00 min

Lab File: VN027170.D

Acq: 15 Sep 2015 16:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

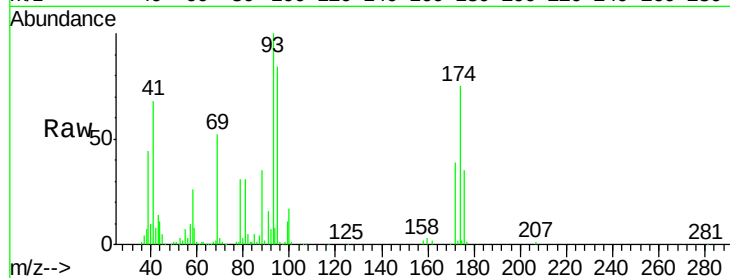
Tgt Ion: 93 Resp: 119224

Ion Ratio Lower Upper

93 100

95 80.0 66.3 99.5

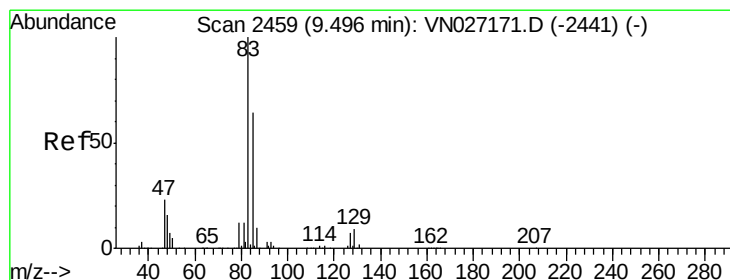
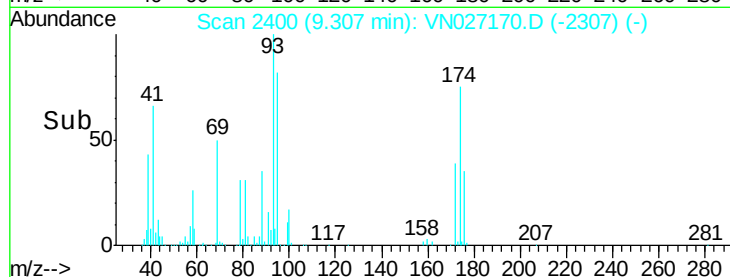
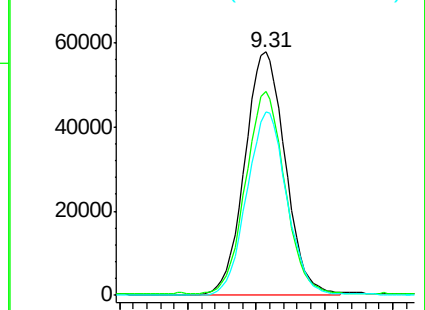
174 74.6 67.8 101.6



Abundance Ion 92.80 (92.50 to 93.50): VN027170.D (-2307) (-)

Ion 94.80 (94.50 to 95.50): VN027170.D (-2307) (-)

Ion 173.70 (173.40 to 174.40): VN027170.D (-2307) (-)



#48

Bromodichloromethane

Concen: 24.74 ug/l

RT: 9.49 min Scan# 2458

Delta R.T. -0.00 min

Lab File: VN027170.D

Acq: 15 Sep 2015 16:24

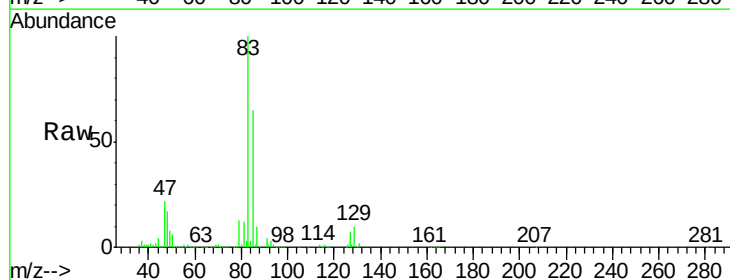
Tgt Ion: 83 Resp: 257451

Ion Ratio Lower Upper

83 100

85 64.9 50.7 76.1

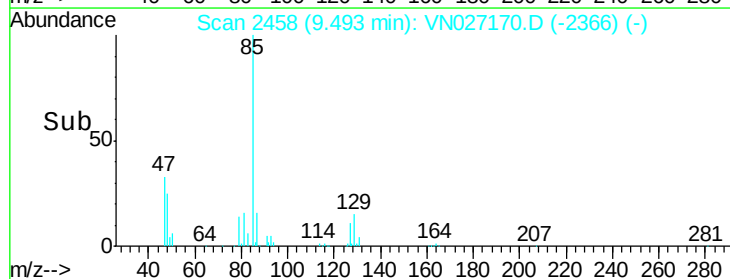
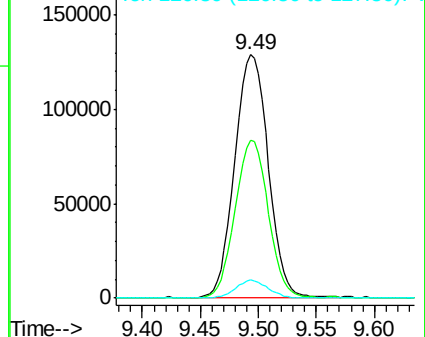
127 7.3 5.5 8.3

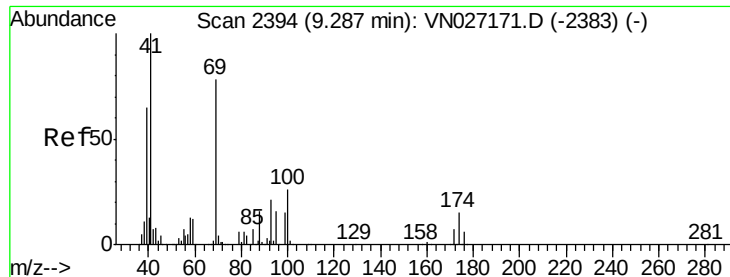


Abundance Ion 82.90 (82.60 to 83.60): VN027170.D (-2366) (-)

Ion 84.90 (84.60 to 85.60): VN027170.D (-2366) (-)

Ion 126.80 (126.50 to 127.50): VN027170.D (-2366) (-)





#49

Methyl methacrylate

Concen: 28.96 ug/l

RT: 9.29 min Scan# 2394

Delta R.T. 0.00 min

Lab File: VN027170.D

Acq: 15 Sep 2015 16:24

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

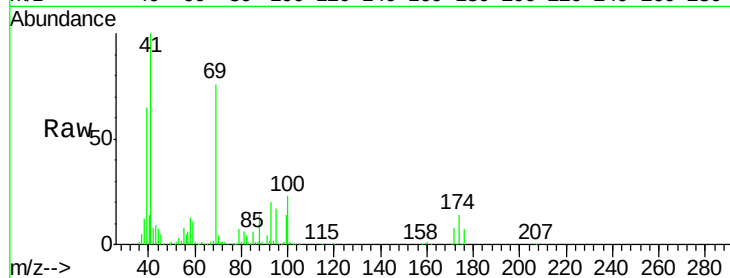
Tgt Ion: 41 Resp: 197908

Ion Ratio Lower Upper

41 100

69 76.7 59.3 88.9

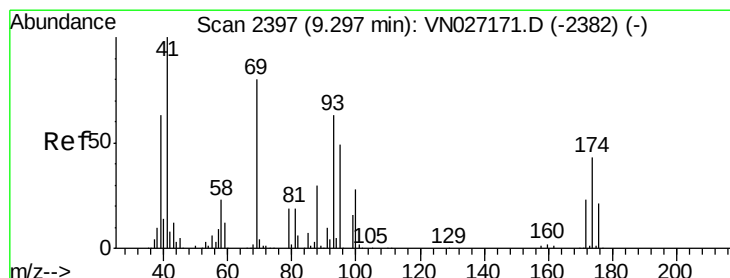
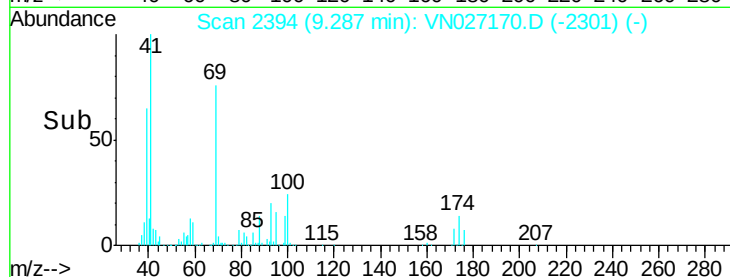
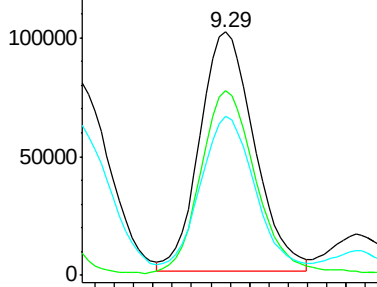
39 65.5 39.5 59.3#



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#50

1,4-Dioxane

Concen: 475.72 ug/l

RT: 9.30 min Scan# 2398

Delta R.T. 0.00 min

Lab File: VN027170.D

Acq: 15 Sep 2015 16:24

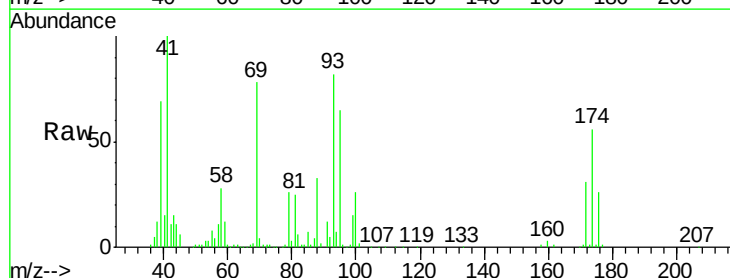
Tgt Ion: 88 Resp: 46784

Ion Ratio Lower Upper

88 100

43 38.3 27.6 41.4

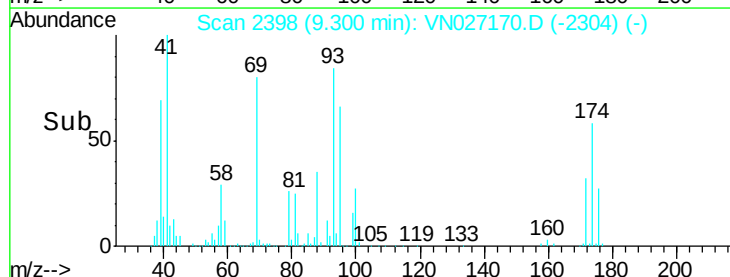
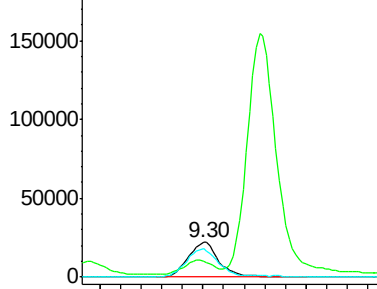
58 83.0 63.1 94.7

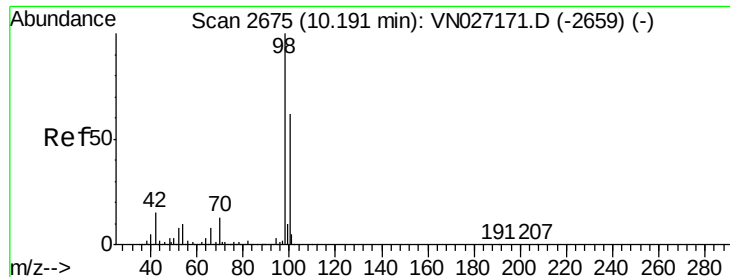


Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#51

Toluene-d8

Concen: 23.08 ug/l

RT: 10.19 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN027170.D

Acq: 15 Sep 2015 16:24

Instrument :

MSVOA_N

ClientSampleId :

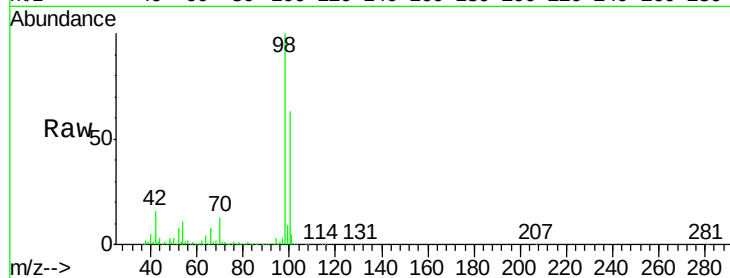
VSTDIC020

Tgt Ion: 98 Resp: 629840

Ion Ratio Lower Upper

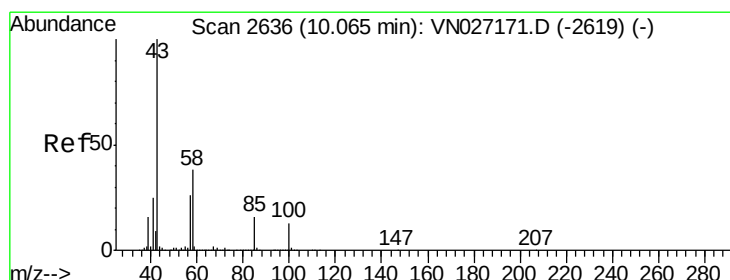
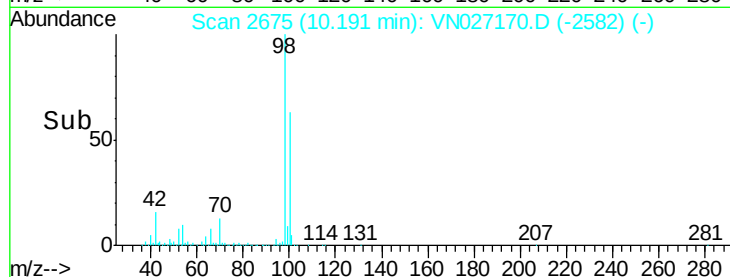
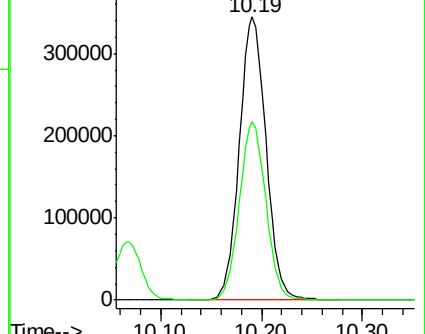
98 100

100 62.4 50.5 75.7



Abundance Ion 98.00 (97.70 to 98.70): VN027170.D (-2659) (-)

Ion 100.00 (99.70 to 100.70): VN027170.D (-2659) (-)



#52

4-Methyl-2-Pentanone

Concen: 139.84 ug/l

RT: 10.07 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VN027170.D

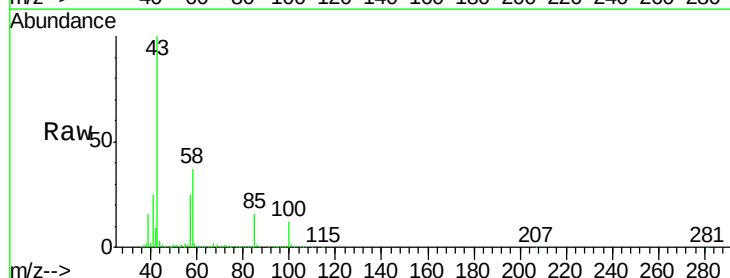
Acq: 15 Sep 2015 16:24

Tgt Ion: 43 Resp: 1066395

Ion Ratio Lower Upper

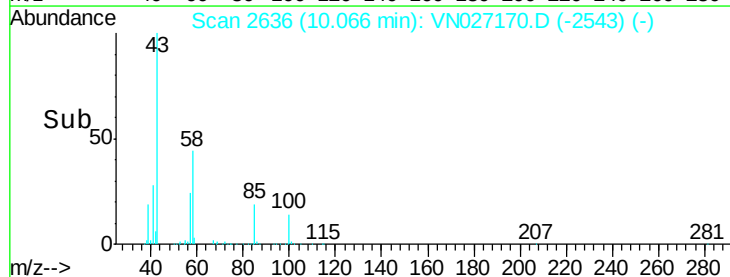
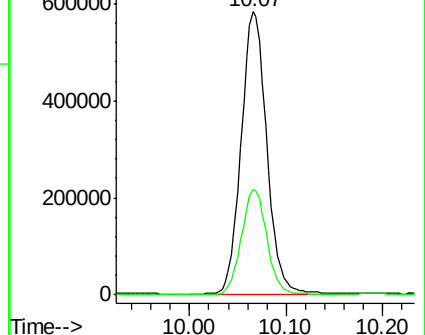
43 100

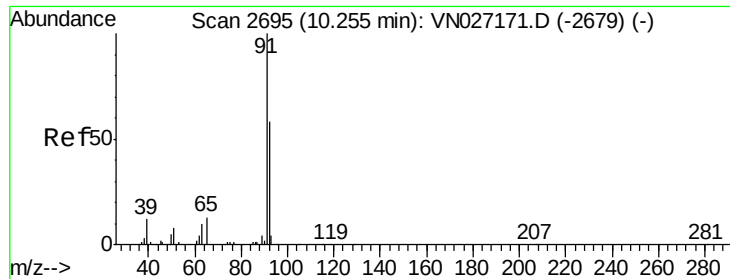
58 37.6 29.8 44.8



Abundance Ion 43.00 (42.70 to 43.70): VN027170.D (-2543) (-)

Ion 58.00 (57.70 to 58.70): VN027170.D (-2543) (-)





#53

Toluene

Concen: 21.69 ug/l

RT: 10.26 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VN027170.D

Acq: 15 Sep 2015 16:24

Instrument :

MSVOA_N

ClientSampleId :

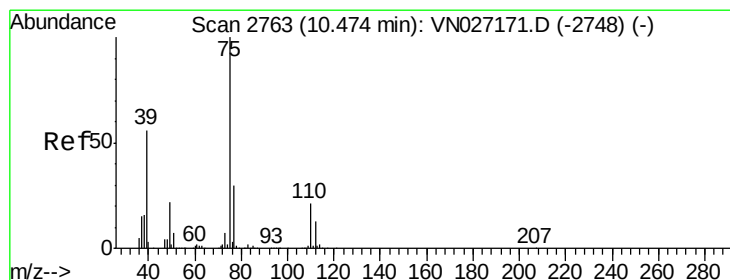
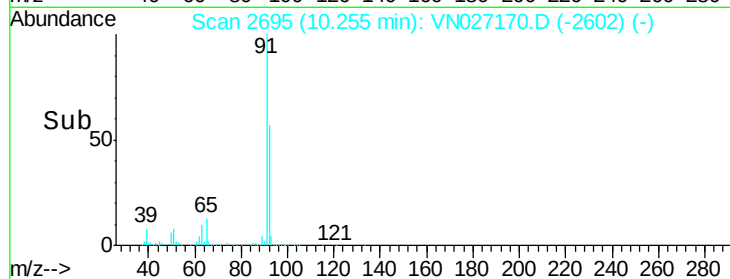
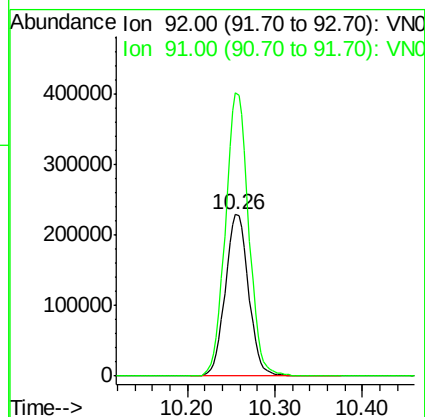
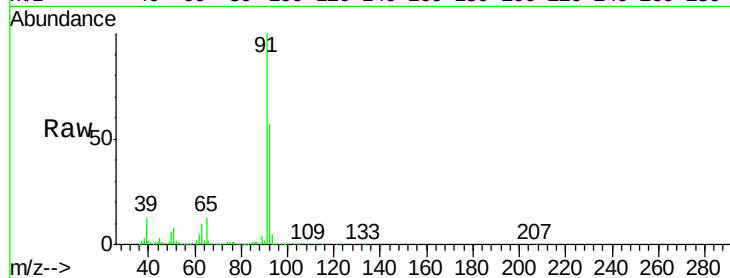
VSTDIC020

Tgt Ion: 92 Resp: 425042

Ion Ratio Lower Upper

92 100

91 173.6 141.4 212.2



#54

t-1,3-Dichloropropene

Concen: 27.61 ug/l

RT: 10.47 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VN027170.D

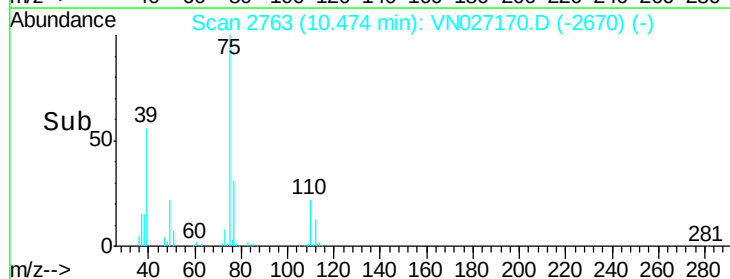
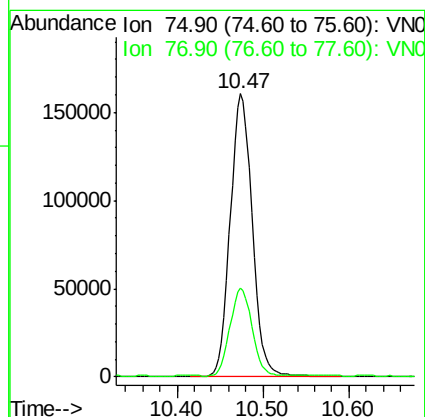
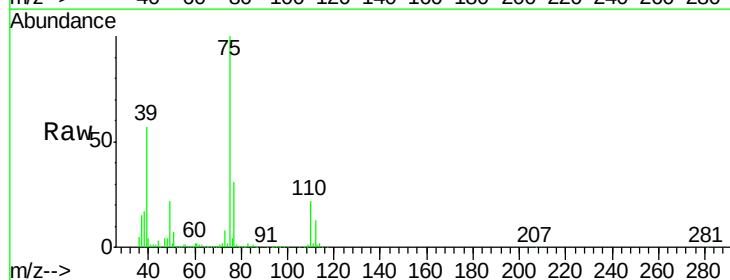
Acq: 15 Sep 2015 16:24

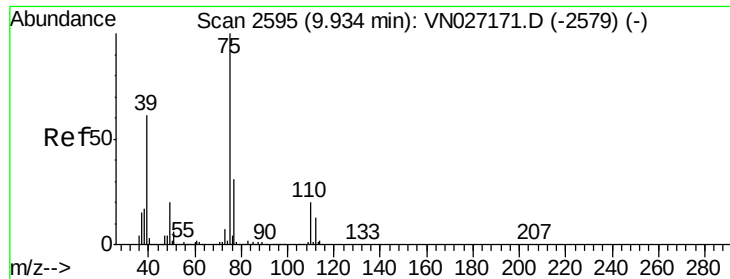
Tgt Ion: 75 Resp: 286923

Ion Ratio Lower Upper

75 100

77 30.8 25.4 38.2





#55

cis-1,3-Dichloropropene

Concen: 26.17 ug/l

RT: 9.93 min Scan# 2595

Delta R.T. 0.00 min

Lab File: VN027170.D

Acq: 15 Sep 2015 16:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

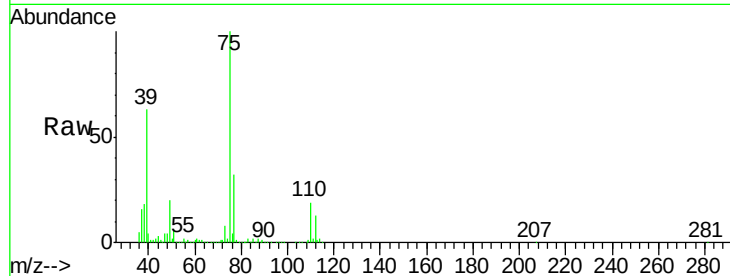
Tgt Ion: 75 Resp: 315977

Ion Ratio Lower Upper

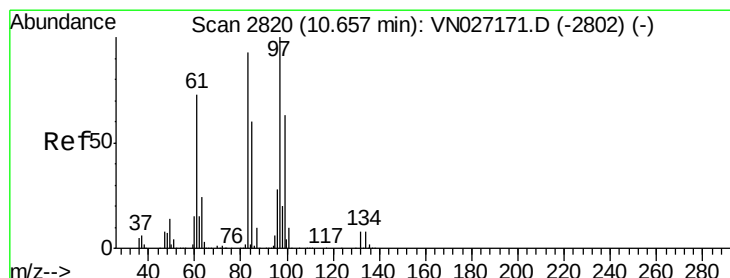
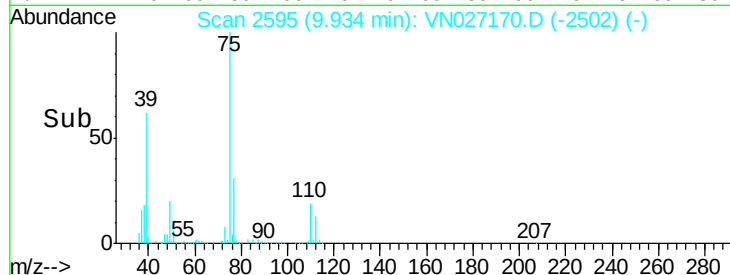
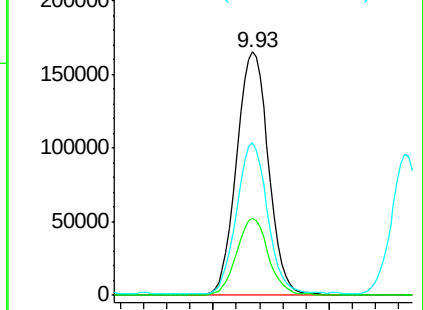
75 100

77 31.4 25.6 38.4

39 61.9 41.6 62.4



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 76.90 (76.60 to 77.60): VNO
Ion 39.00 (38.70 to 39.70): VNO



#56

1,1,2-Trichloroethane

Concen: 21.39 ug/l

RT: 10.66 min Scan# 2820

Delta R.T. 0.00 min

Lab File: VN027170.D

Acq: 15 Sep 2015 16:24

Tgt Ion: 97 Resp: 159929

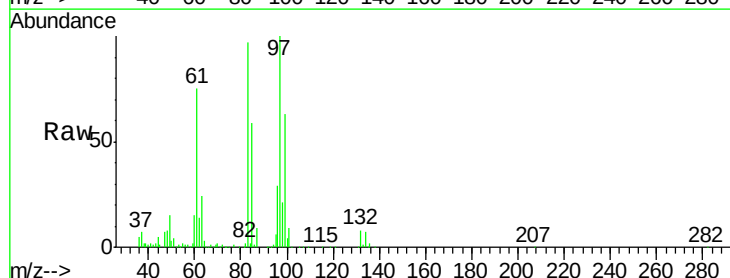
Ion Ratio Lower Upper

97 100

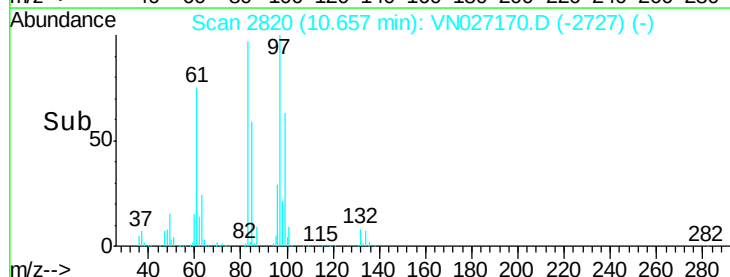
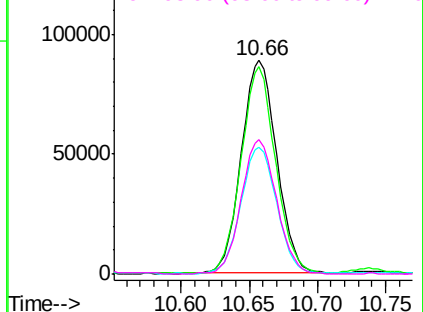
83 97.1 75.0 112.4

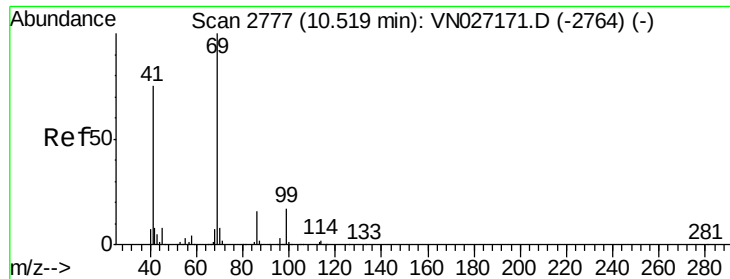
85 59.3 48.0 72.0

99 62.8 50.3 75.5



Abundance Ion 96.90 (96.60 to 97.60): VNO
Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 98.90 (98.60 to 99.60): VNO





#57

Ethyl methacrylate

Concen: 26.85 ug/l

RT: 10.52 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN027170.D

Acq: 15 Sep 2015 16:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

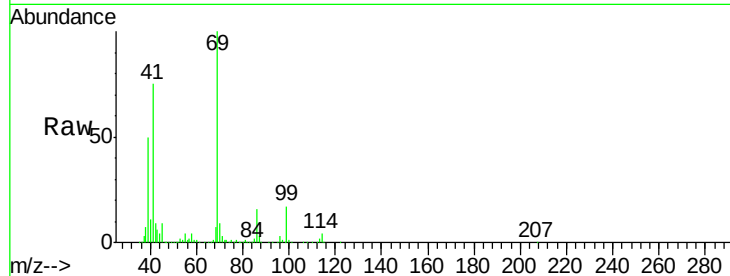
Tgt Ion: 69 Resp: 271431

Ion Ratio Lower Upper

69 100

41 72.0 61.3 91.9

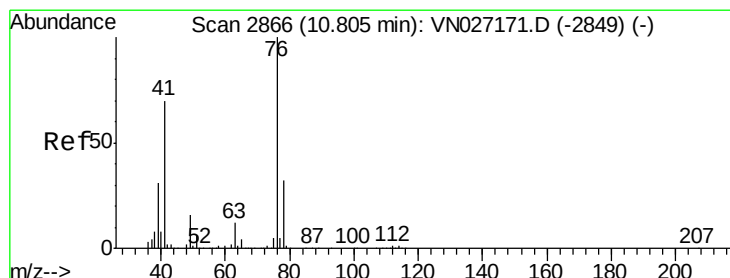
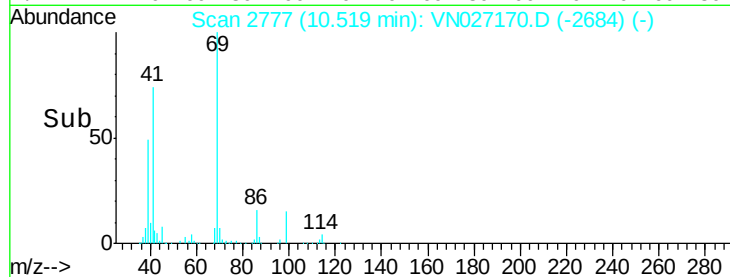
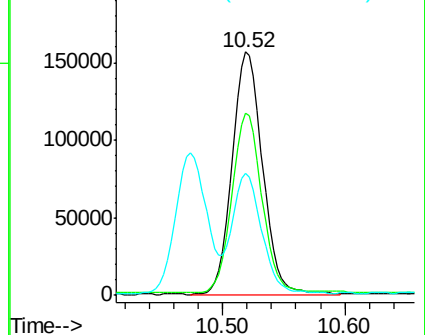
39 47.7 28.4 42.6#



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#58

1,3-Dichloropropane

Concen: 23.81 ug/l

RT: 10.81 min Scan# 2866

Delta R.T. 0.00 min

Lab File: VN027170.D

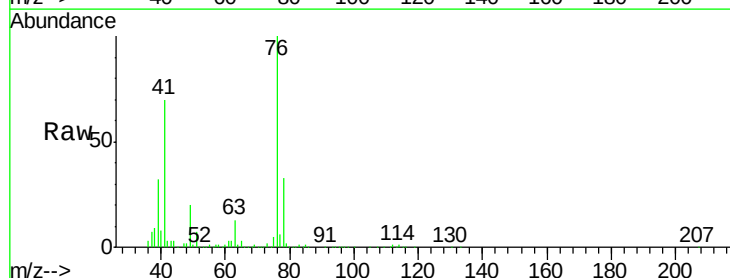
Acq: 15 Sep 2015 16:24

Tgt Ion: 76 Resp: 294892

Ion Ratio Lower Upper

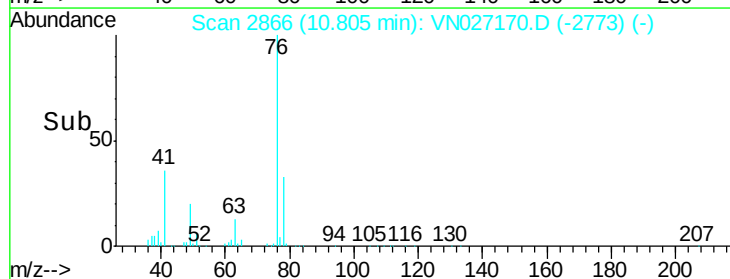
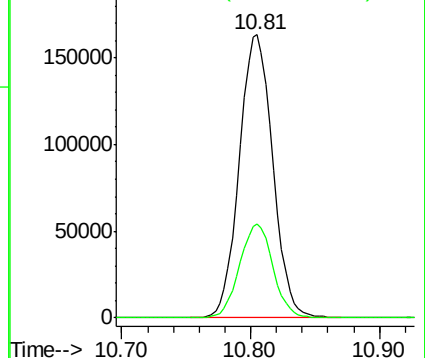
76 100

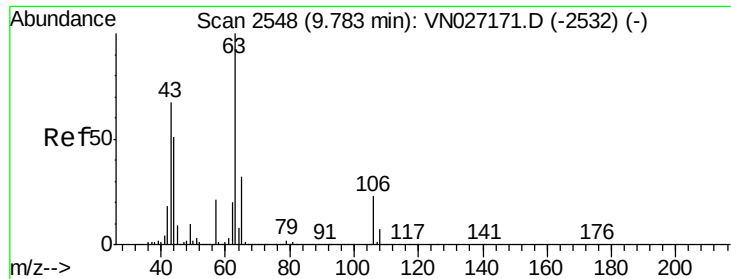
78 33.0 25.0 37.6



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

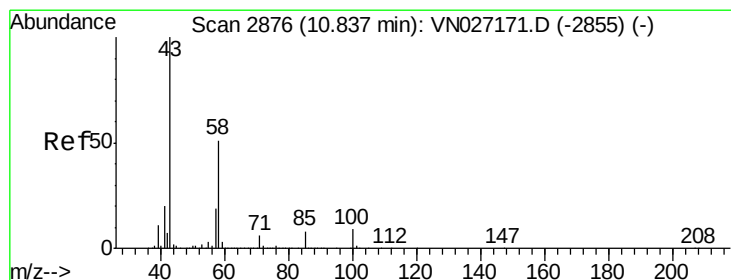
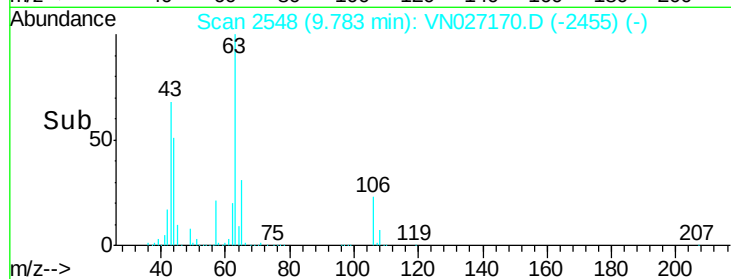
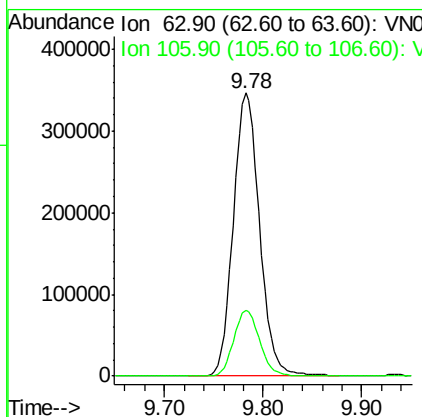
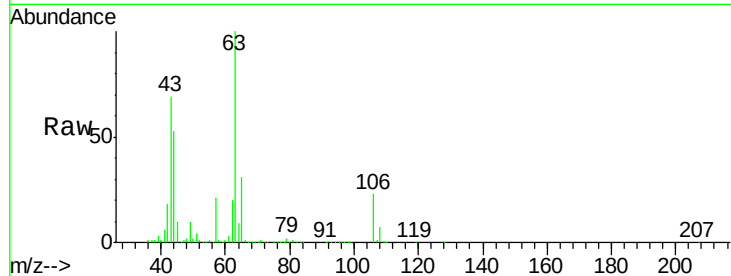




#59
 2-Chloroethyl Vinyl ether
 Concen: 161.75 ug/l
 RT: 9.78 min Scan# 2548
 Delta R.T. 0.00 min
 Lab File: VN027170.D
 Acq: 15 Sep 2015 16:24

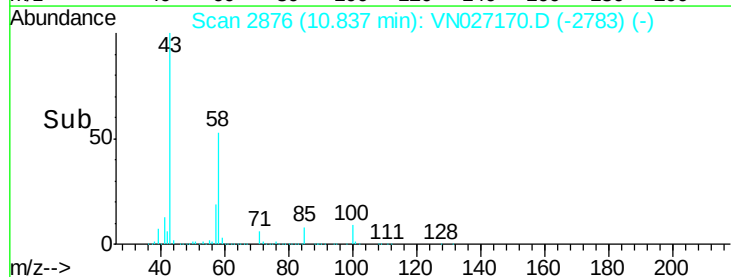
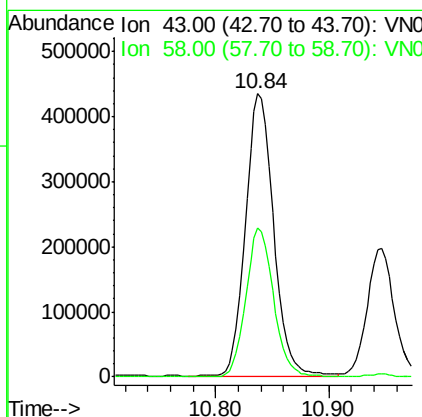
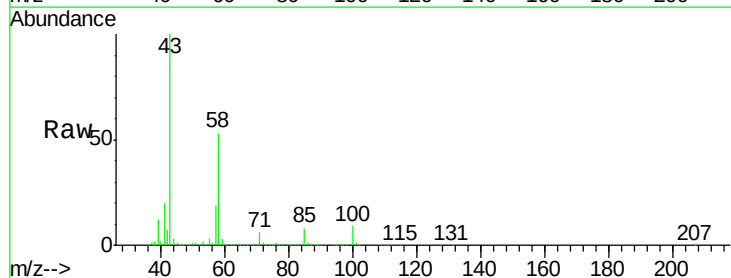
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

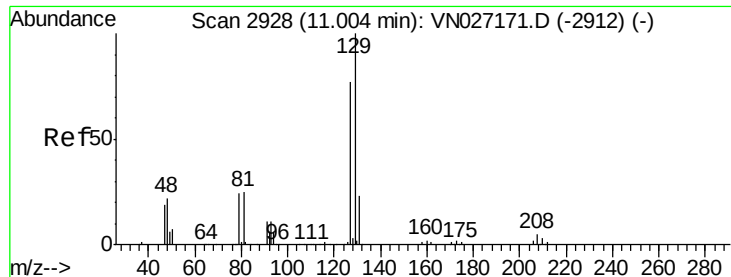
Tgt Ion: 63 Resp: 636283
 Ion Ratio Lower Upper
 63 100
 106 23.2 17.7 26.5



#60
 2-Hexanone
 Concen: 147.12 ug/l
 RT: 10.84 min Scan# 2876
 Delta R.T. 0.00 min
 Lab File: VN027170.D
 Acq: 15 Sep 2015 16:24

Tgt Ion: 43 Resp: 747166
 Ion Ratio Lower Upper
 43 100
 58 52.0 26.2 78.5





#61

Dibromochloromethane

Concen: 21.66 ug/l

RT: 11.00 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VN027170.D

Acq: 15 Sep 2015 16:24

Instrument :

MSVOA_N

ClientSampled :

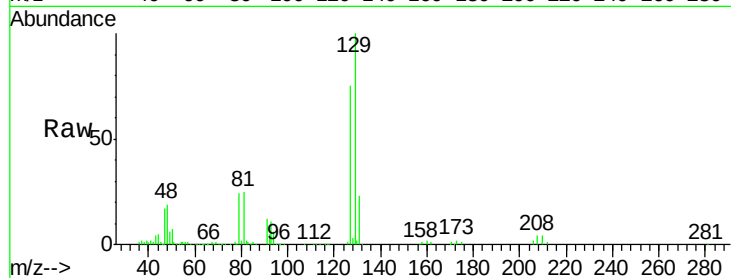
VSTDIC020

Tgt Ion:129 Resp: 166909

Ion Ratio Lower Upper

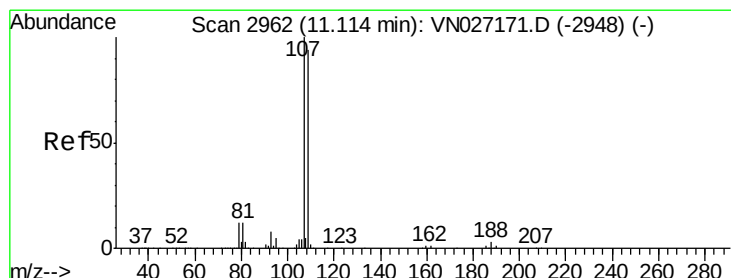
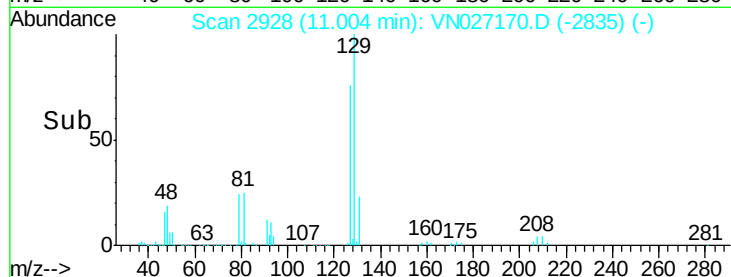
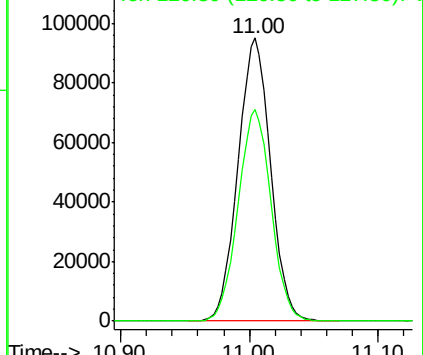
129 100

127 75.7 39.1 117.2



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

1,2-Dibromoethane

Concen: 21.86 ug/l

RT: 11.11 min Scan# 2962

Delta R.T. 0.00 min

Lab File: VN027170.D

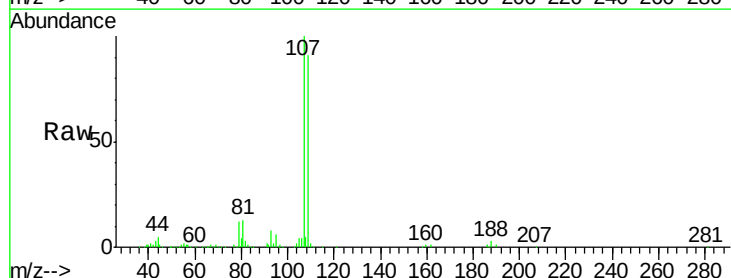
Acq: 15 Sep 2015 16:24

Tgt Ion:107 Resp: 156404

Ion Ratio Lower Upper

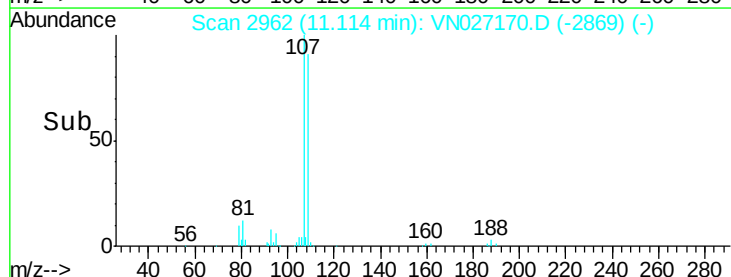
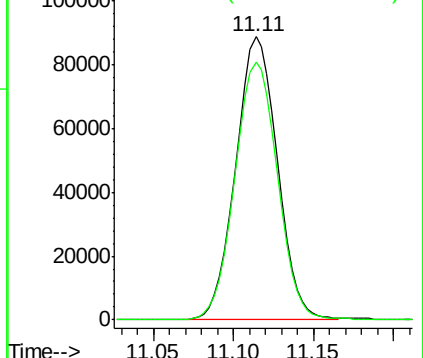
107 100

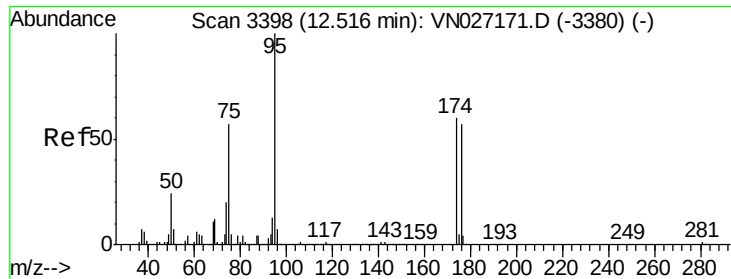
109 94.4 75.6 113.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

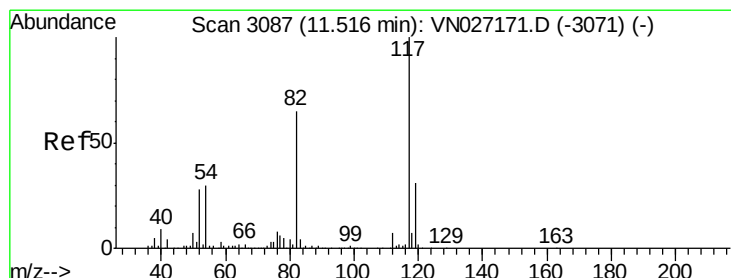
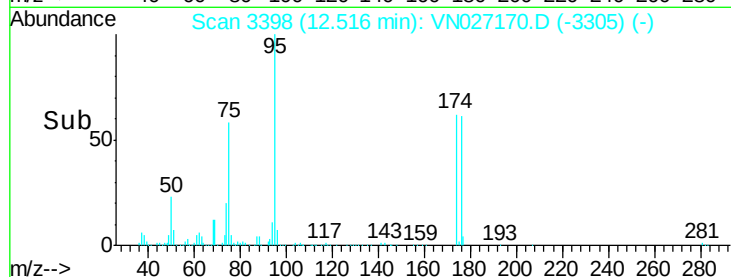
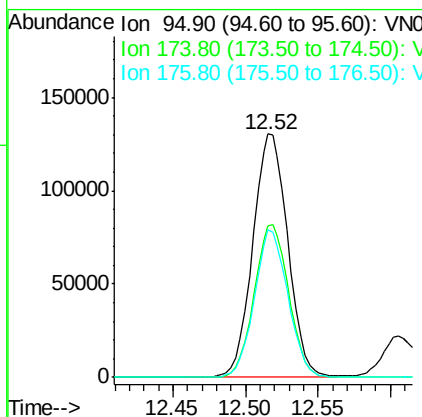
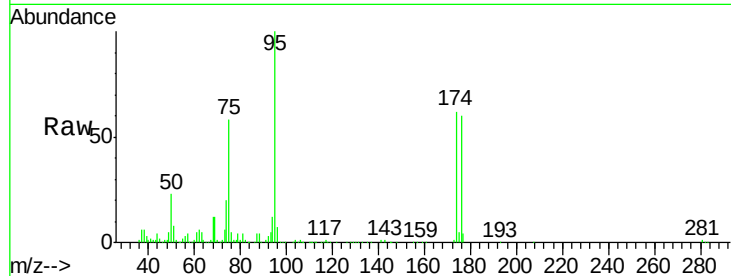




#63
 4-Bromofluorobenzene
 Concen: 24.35 ug/l
 RT: 12.52 min Scan# 3398
 Delta R.T. 0.00 min
 Lab File: VN027170.D
 Acq: 15 Sep 2015 16:24

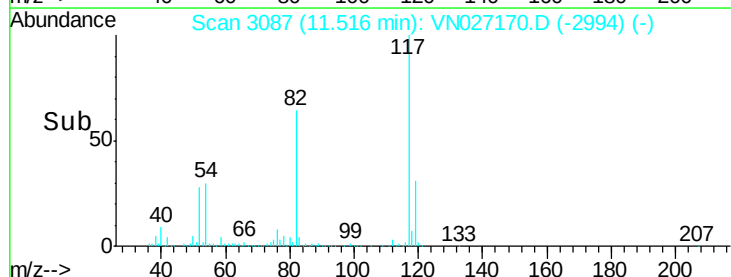
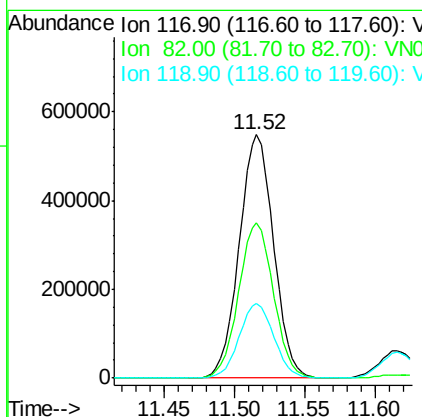
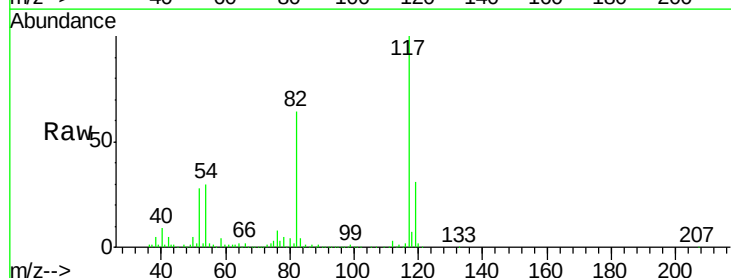
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

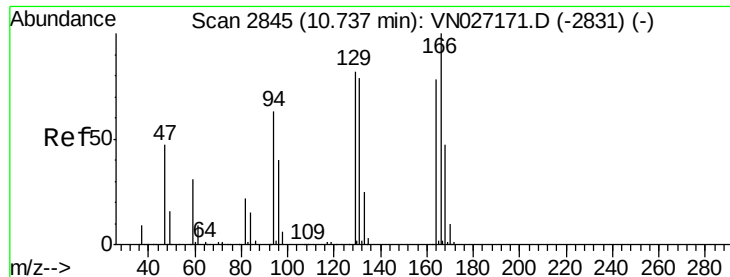
Tgt Ion: 95 Resp: 217664
 Ion Ratio Lower Upper
 95 100
 174 62.1 0.0 137.0
 176 58.5 0.0 130.8



#64
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.52 min Scan# 3087
 Delta R.T. 0.00 min
 Lab File: VN027170.D
 Acq: 15 Sep 2015 16:24

Tgt Ion: 117 Resp: 937960
 Ion Ratio Lower Upper
 117 100
 82 63.6 49.6 74.4
 119 30.5 24.6 36.8





#65

Tetrachloroethene

Concen: 17.26 ug/l

RT: 10.74 min Scan# 2845

Delta R.T. 0.00 min

Lab File: VN027170.D

Acq: 15 Sep 2015 16:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tgt Ion:164 Resp: 115563

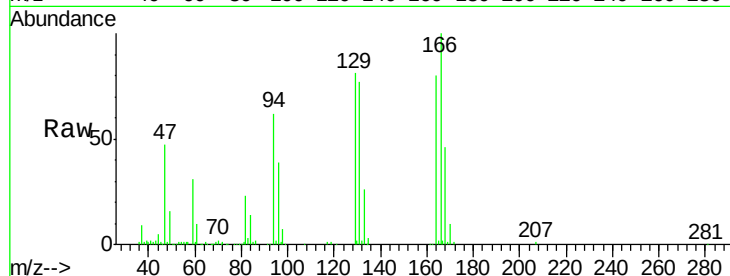
Ion Ratio Lower Upper

164 100

166 125.0 103.4 155.0

129 101.4 77.5 116.3

131 96.7 74.2 111.4

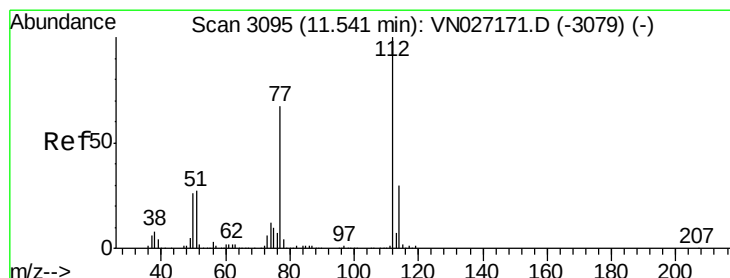
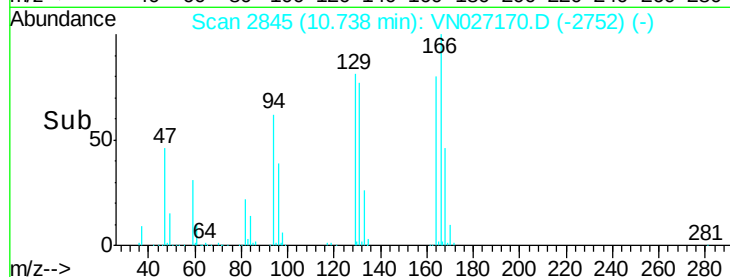
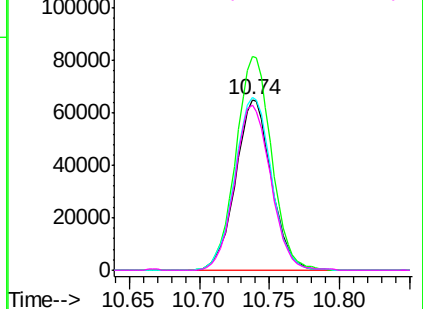


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#66

Chlorobenzene

Concen: 20.53 ug/l

RT: 11.54 min Scan# 3095

Delta R.T. 0.00 min

Lab File: VN027170.D

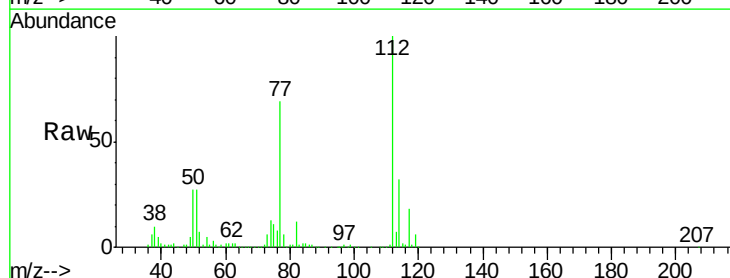
Acq: 15 Sep 2015 16:24

Tgt Ion:112 Resp: 419449

Ion Ratio Lower Upper

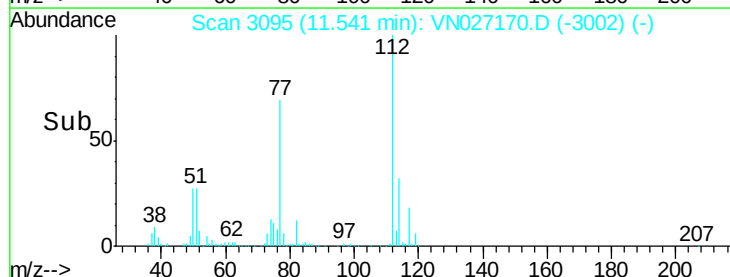
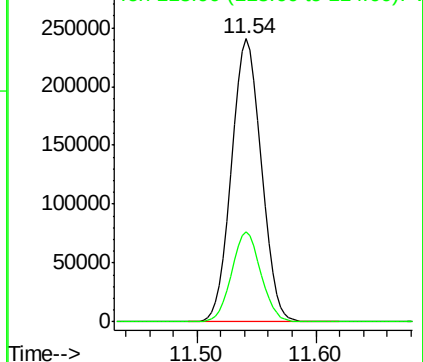
112 100

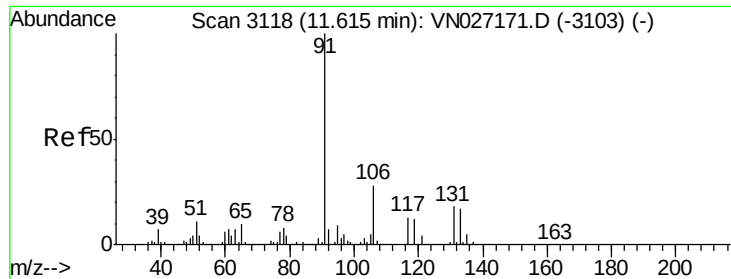
114 31.9 24.9 37.3



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

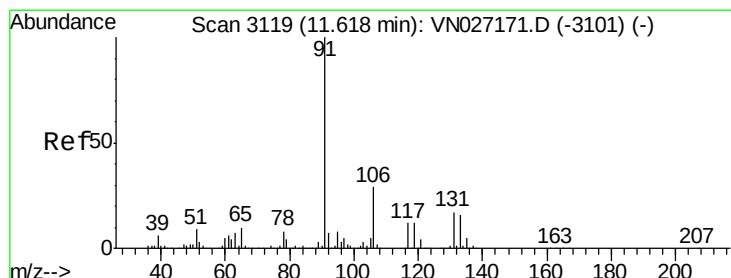
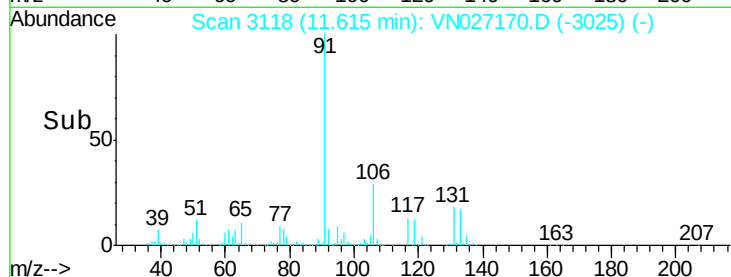
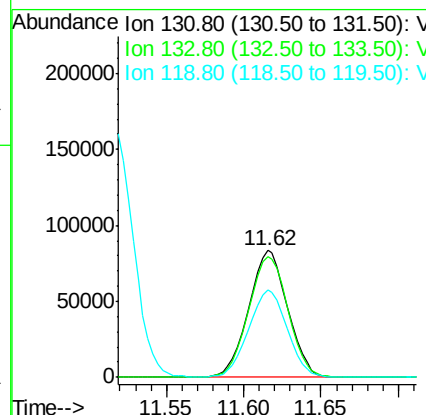
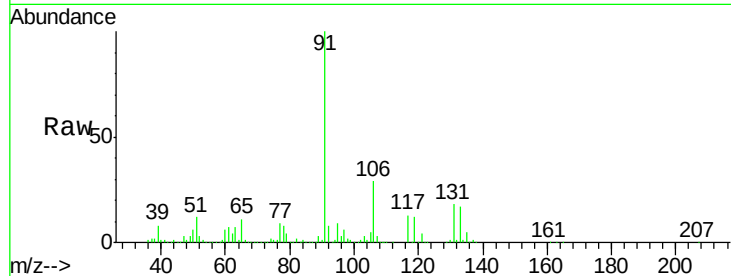




#67
 1,1,1,2-Tetrachloroethane
 Concen: 20.71 ug/l
 RT: 11.62 min Scan# 3118
 Delta R.T. 0.00 min
 Lab File: VN027170.D
 Acq: 15 Sep 2015 16:24

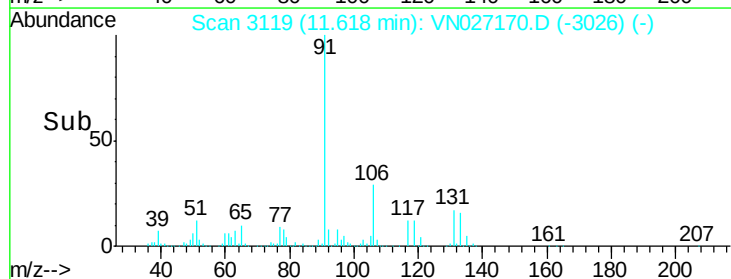
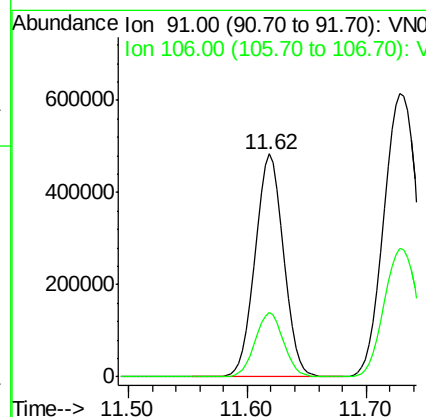
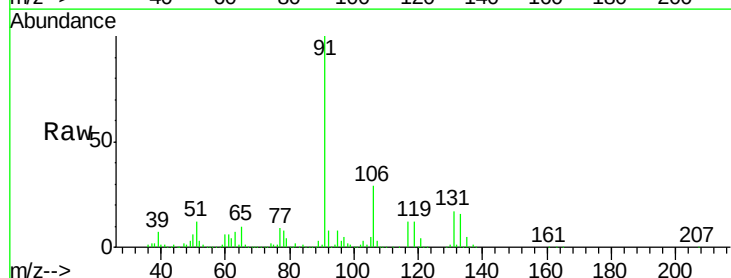
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

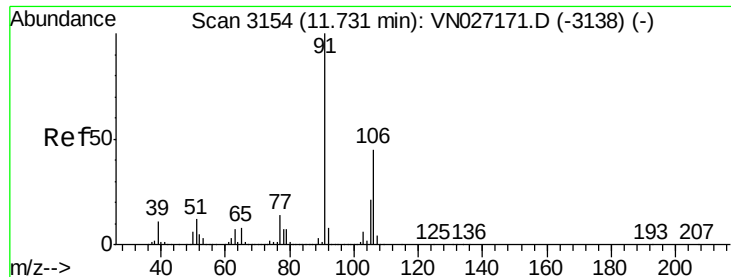
Tgt Ion:131 Resp: 146113
 Ion Ratio Lower Upper
 131 100
 133 96.9 47.0 141.2
 119 68.7 35.1 105.5



#68
 Ethyl Benzene
 Concen: 23.27 ug/l
 RT: 11.62 min Scan# 3119
 Delta R.T. 0.00 min
 Lab File: VN027170.D
 Acq: 15 Sep 2015 16:24

Tgt Ion: 91 Resp: 799724
 Ion Ratio Lower Upper
 91 100
 106 28.9 23.1 34.7





#69

m/p-Xylenes

Concen: 43.24 ug/l

RT: 11.73 min Scan# 3153

Delta R.T. -0.00 min

Lab File: VN027170.D

Acq: 15 Sep 2015 16:24

Instrument :

MSVOA_N

ClientSampleId :

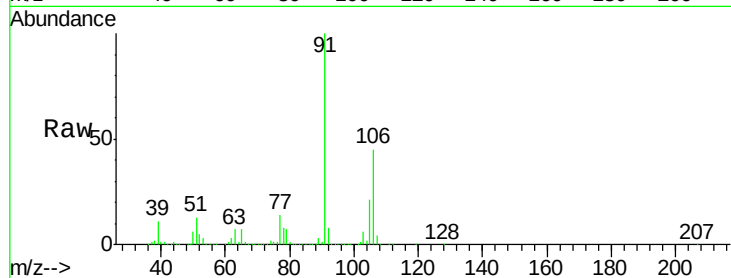
VSTDIC020

Tgt Ion:106 Resp: 552517

Ion Ratio Lower Upper

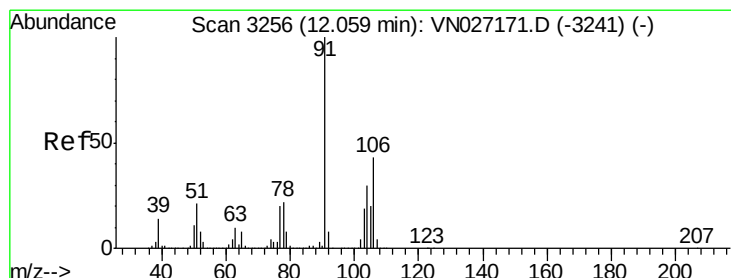
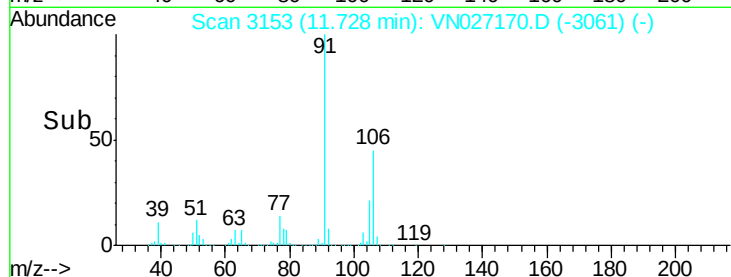
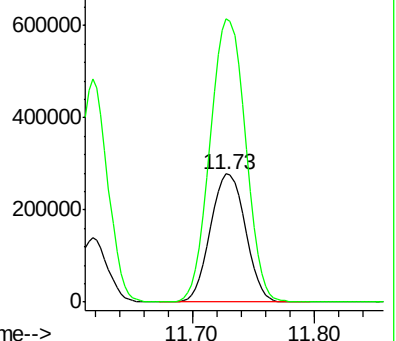
106 100

91 222.5 167.1 250.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#70

o-Xylene

Concen: 22.48 ug/l

RT: 12.06 min Scan# 3255

Delta R.T. -0.00 min

Lab File: VN027170.D

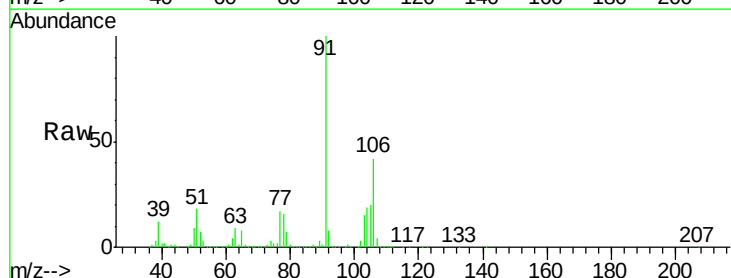
Acq: 15 Sep 2015 16:24

Tgt Ion:106 Resp: 282760

Ion Ratio Lower Upper

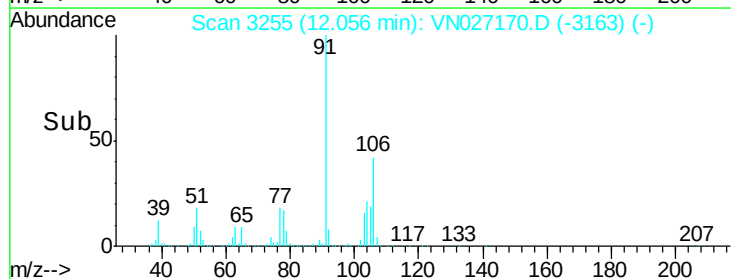
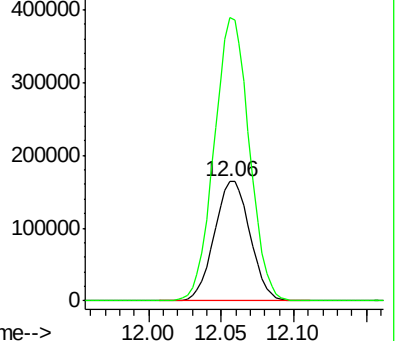
106 100

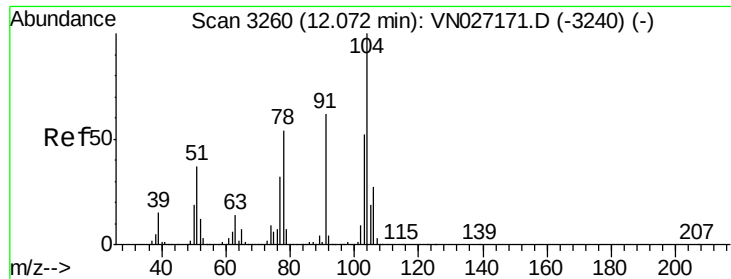
91 231.5 110.7 331.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





#71

Styrene

Concen: 22.31 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN027170.D

Acq: 15 Sep 2015 16:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

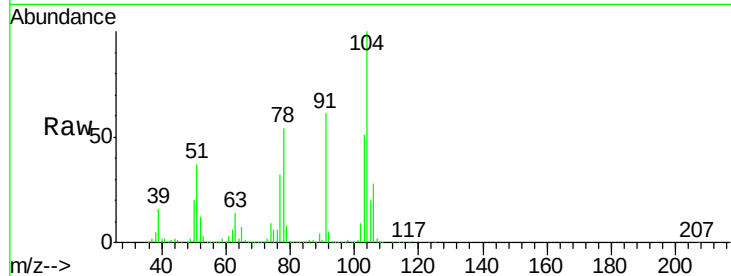
Tgt Ion:104 Resp: 451081

Ion Ratio Lower Upper

104 100

78 59.4 41.6 62.4

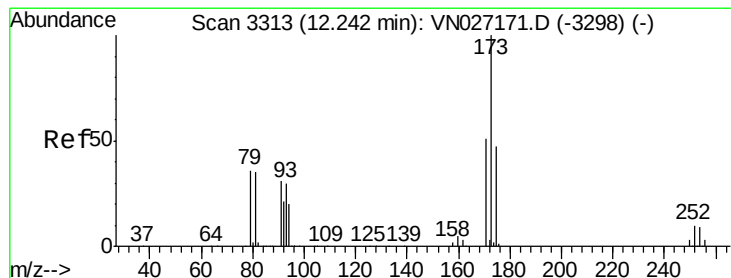
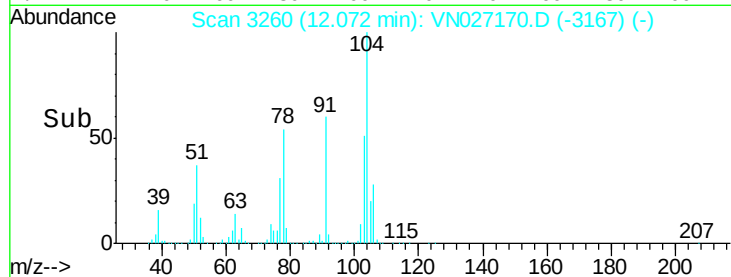
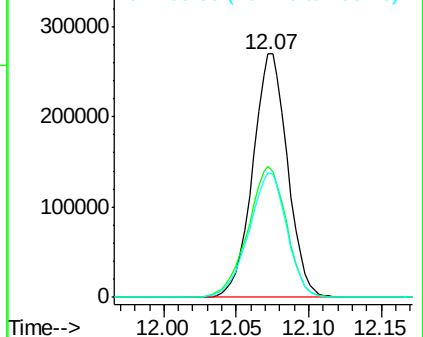
103 55.8 44.2 66.2



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#72

Bromoform

Concen: 21.15 ug/l

RT: 12.24 min Scan# 3313

Delta R.T. 0.00 min

Lab File: VN027170.D

Acq: 15 Sep 2015 16:24

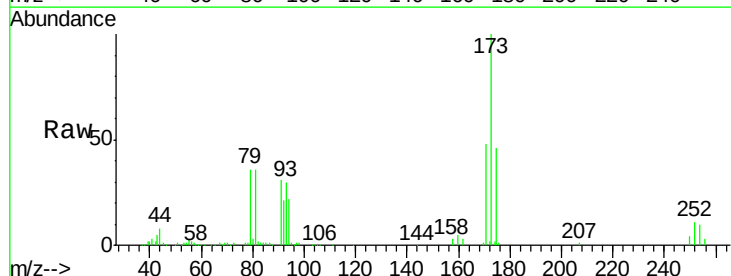
Tgt Ion:173 Resp: 103342

Ion Ratio Lower Upper

173 100

175 47.8 24.4 73.4

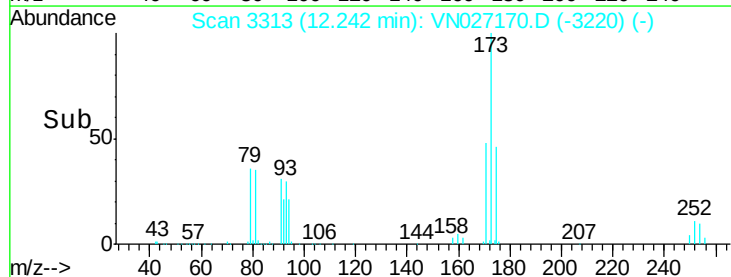
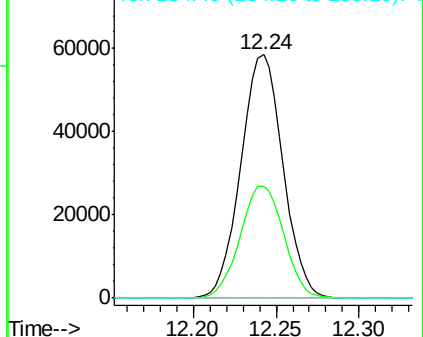
254 0.0 0.1 0.1#

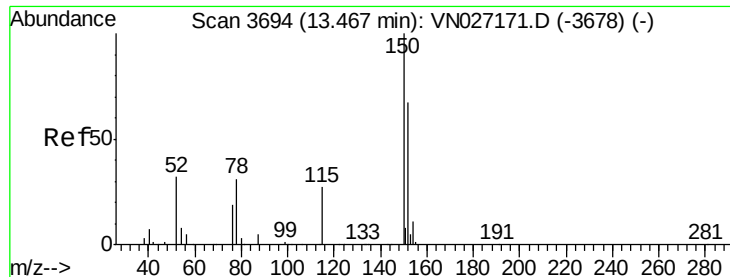


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#73

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.47 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN027170.D

Acq: 15 Sep 2015 16:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

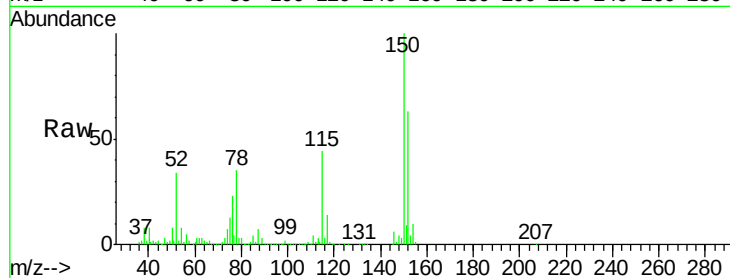
Tgt Ion:152 Resp: 352495

Ion Ratio Lower Upper

152 100

115 69.3 30.8 92.3

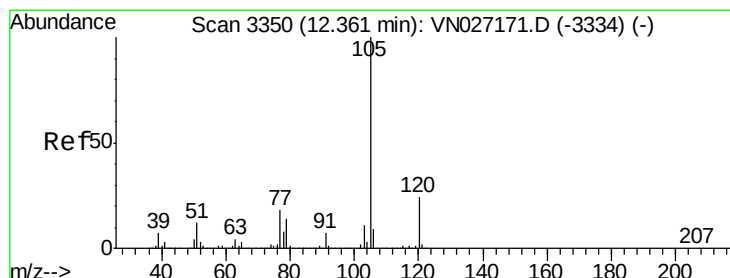
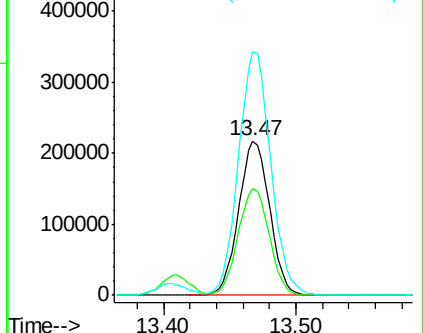
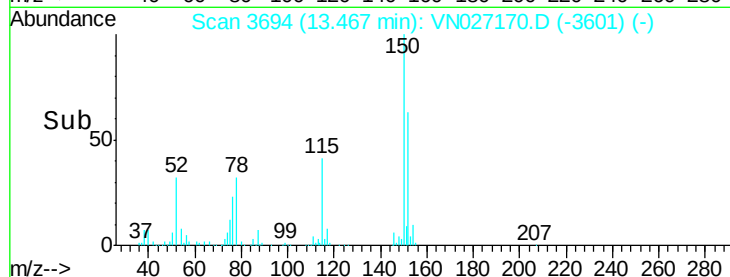
150 164.5 0.0 345.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#74

Isopropylbenzene

Concen: 24.50 ug/l

RT: 12.36 min Scan# 3350

Delta R.T. 0.00 min

Lab File: VN027170.D

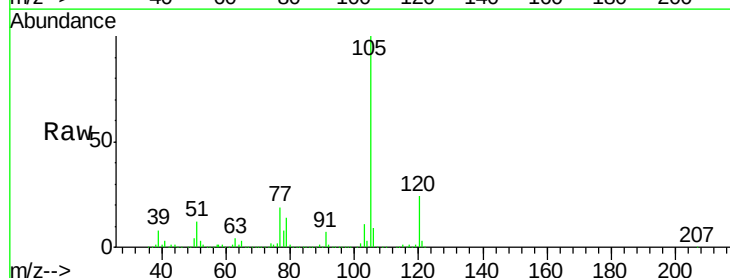
Acq: 15 Sep 2015 16:24

Tgt Ion:105 Resp: 745172

Ion Ratio Lower Upper

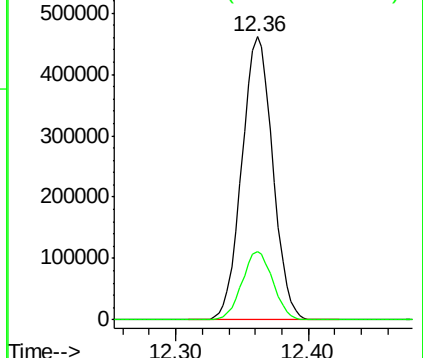
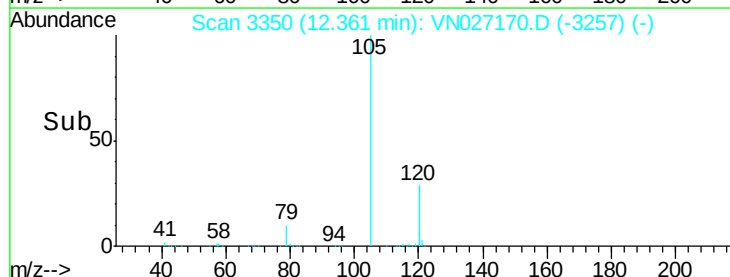
105 100

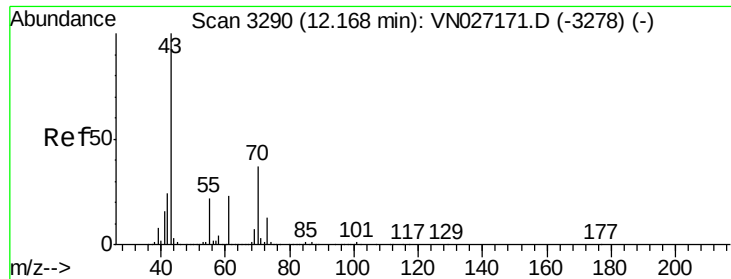
120 24.1 12.4 37.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

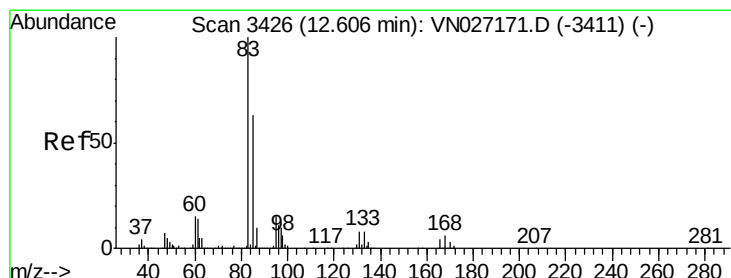
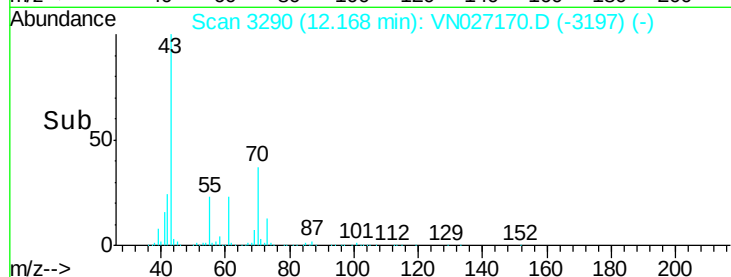
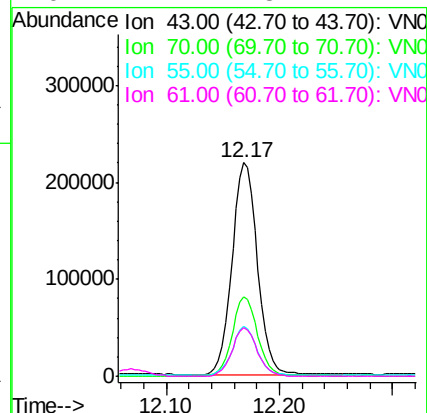
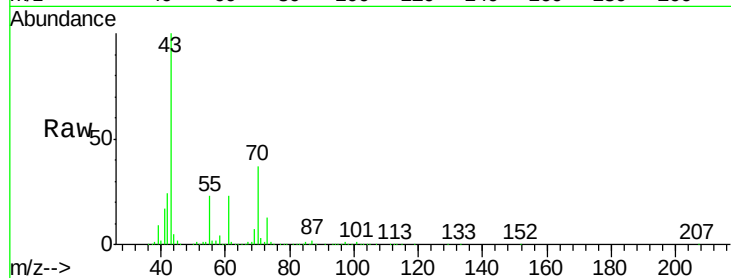




#75
N-ethyl acetate
Concen: 36.70 ug/l
RT: 12.17 min Scan# 3290
Delta R.T. 0.00 min
Lab File: VN027170.D
Acq: 15 Sep 2015 16:24

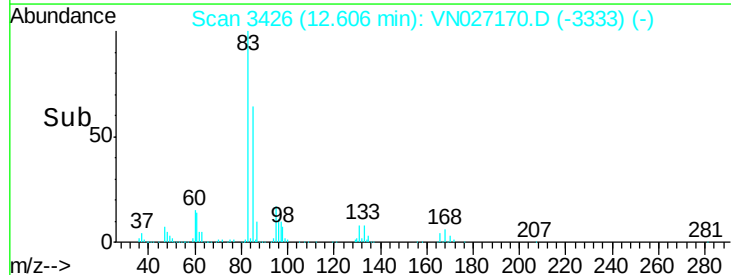
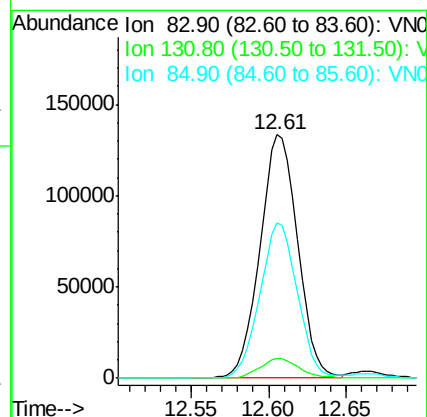
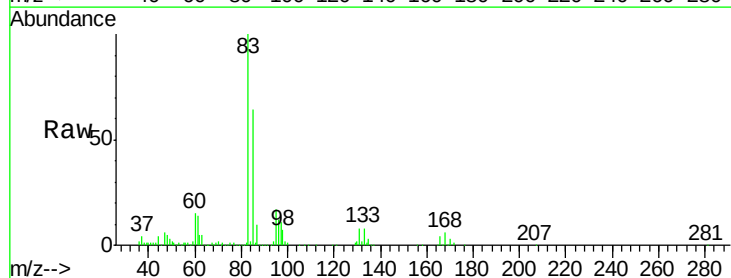
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

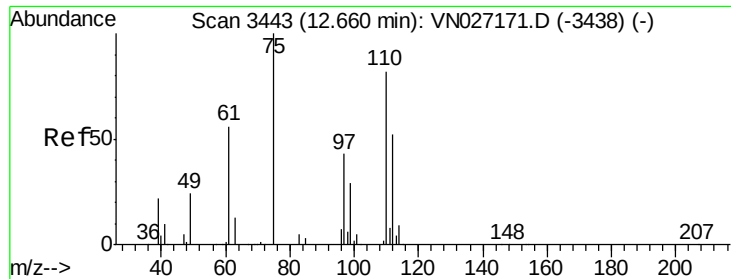
Tgt Ion:	43	Resp:	341601
Ion	Ratio	Lower	Upper
43	100		
70	36.8	29.8	44.8
55	22.4	19.4	29.0
61	22.7	18.2	27.2



#76
1,1,2,2-Tetrachloroethane
Concen: 27.22 ug/l
RT: 12.61 min Scan# 3426
Delta R.T. 0.00 min
Lab File: VN027170.D
Acq: 15 Sep 2015 16:24

Tgt Ion:	83	Resp:	224710
Ion	Ratio	Lower	Upper
83	100		
131	8.5	4.1	12.3
85	63.2	31.9	95.7





#77

1,2,3-Trichloropropane

Concen: 44.13 ug/l

RT: 12.66 min Scan# 3443

Delta R.T. 0.00 min

Lab File: VN027170.D

Acq: 15 Sep 2015 16:24

Instrument :

MSVOA_N

ClientSampleId :

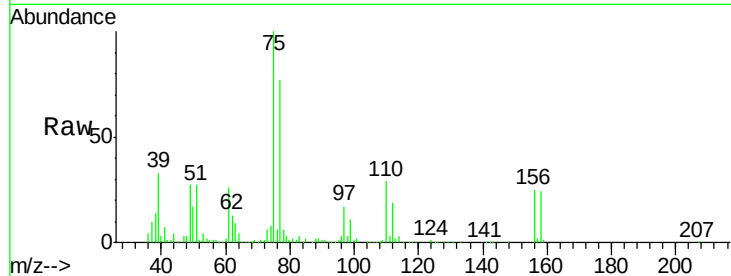
VSTDIC020

Tgt Ion: 75 Resp: 307836

Ion Ratio Lower Upper

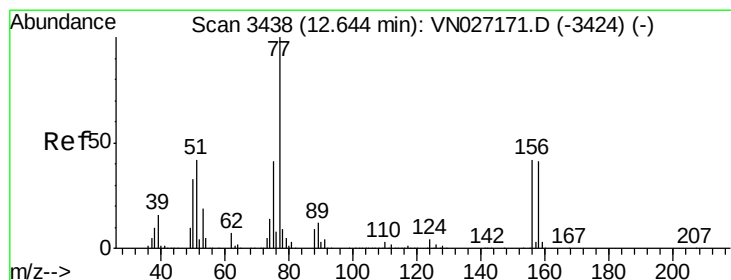
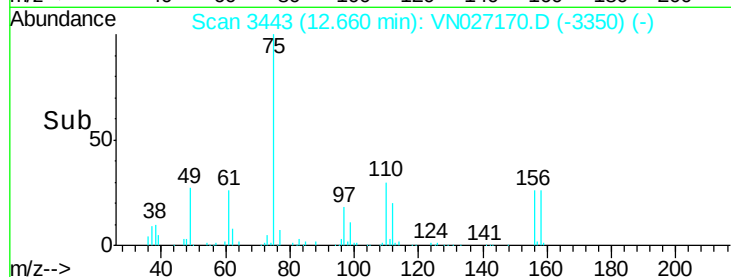
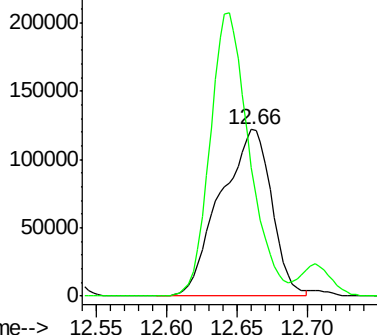
75 100

77 130.5 103.1 309.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#78

Bromobenzene

Concen: 19.77 ug/l

RT: 12.64 min Scan# 3438

Delta R.T. 0.00 min

Lab File: VN027170.D

Acq: 15 Sep 2015 16:24

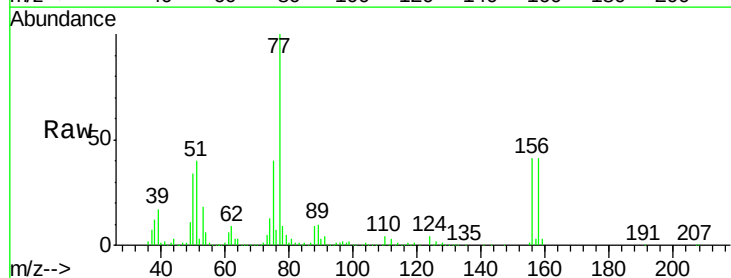
Tgt Ion: 156 Resp: 144877

Ion Ratio Lower Upper

156 100

77 277.4 127.3 381.9

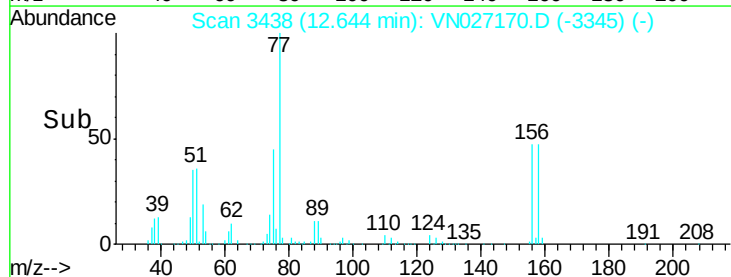
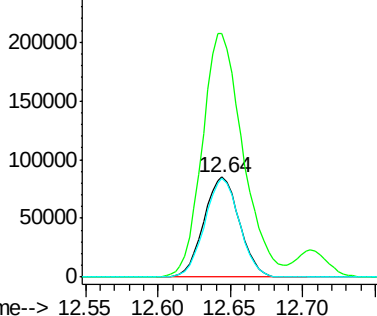
158 96.5 48.0 144.2

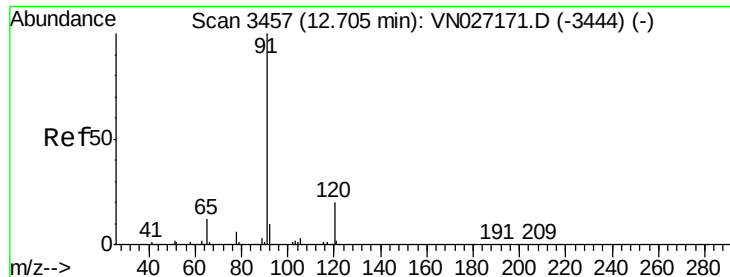


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V





#79

n-propylbenzene

Concen: 26.09 ug/l

RT: 12.71 min Scan# 3457

Delta R.T. 0.00 min

Lab File: VN027170.D

Acq: 15 Sep 2015 16:24

Instrument :

MSVOA_N

ClientSampleId :

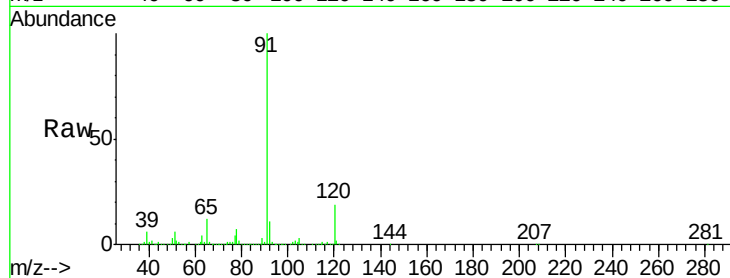
VSTDIC020

Tgt Ion: 91 Resp: 873303

Ion Ratio Lower Upper

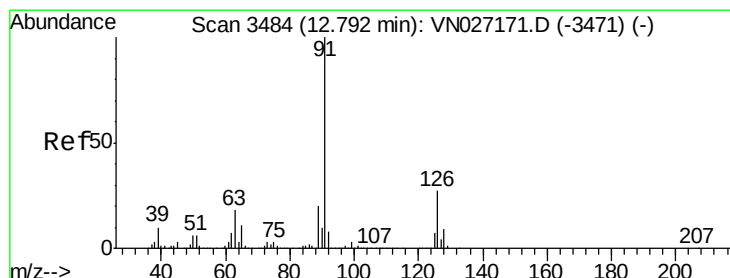
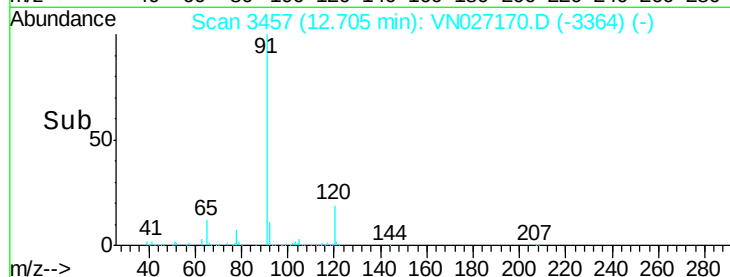
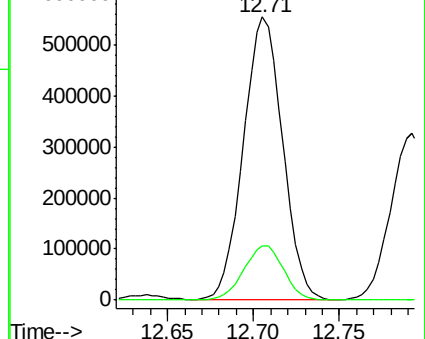
91 100

120 19.5 10.3 30.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



#80

2-Chlorotoluene

Concen: 25.53 ug/l

RT: 12.79 min Scan# 3484

Delta R.T. 0.00 min

Lab File: VN027170.D

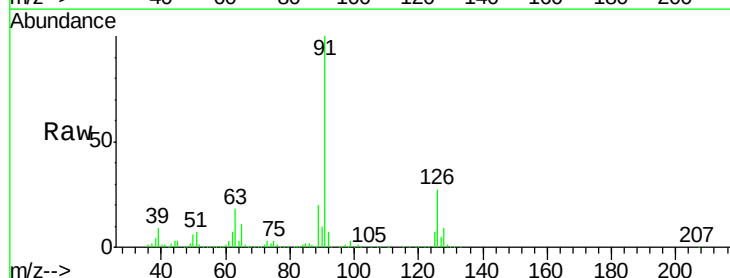
Acq: 15 Sep 2015 16:24

Tgt Ion: 91 Resp: 529030

Ion Ratio Lower Upper

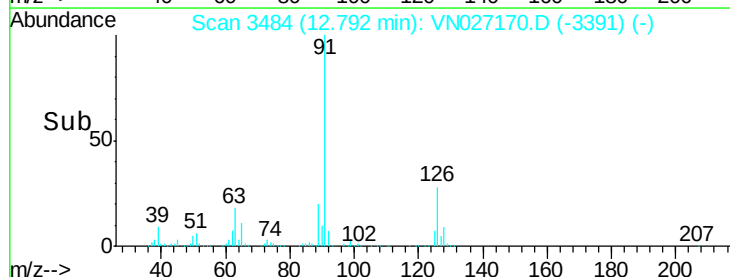
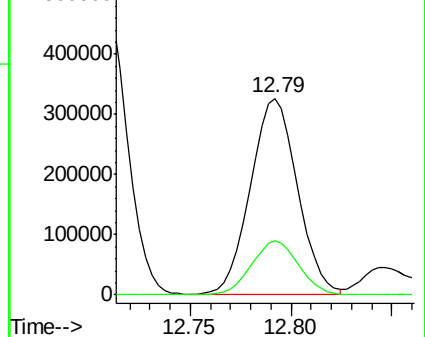
91 100

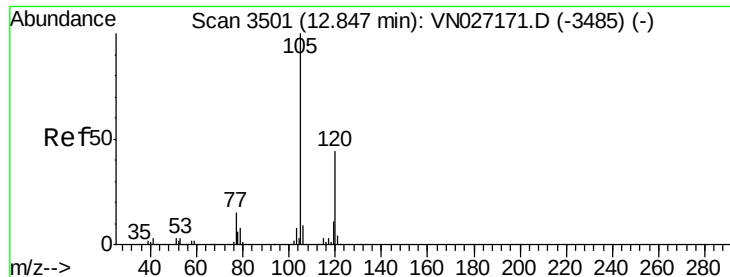
126 27.7 15.2 45.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#81

1,3,5-Trimethylbenzene

Concen: 25.80 ug/l

RT: 12.85 min Scan# 3501

Delta R.T. 0.00 min

Lab File: VN027170.D

Acq: 15 Sep 2015 16:24

Instrument :

MSVOA_N

ClientSampleId :

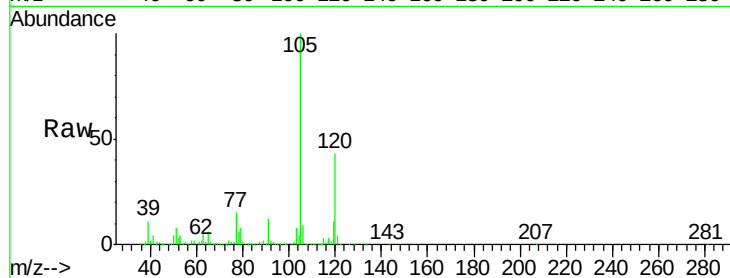
VSTDIC020

Tgt Ion: 105 Resp: 596169

Ion Ratio Lower Upper

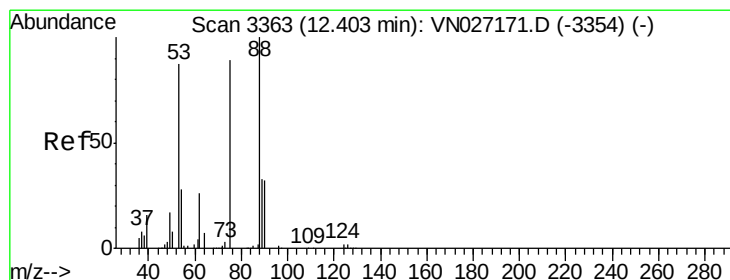
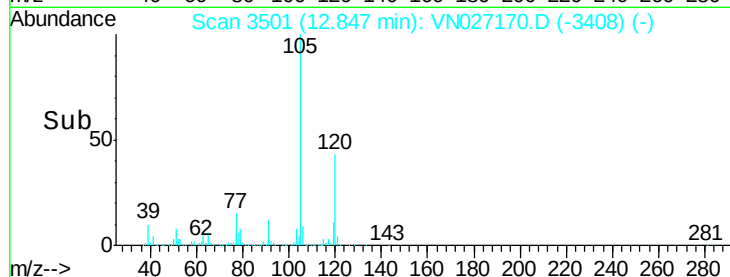
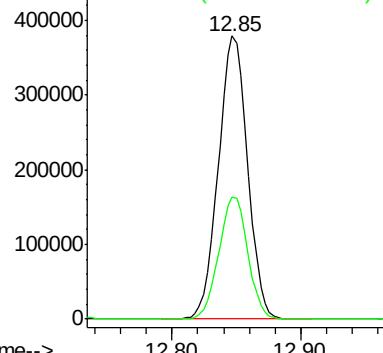
105 100

120 43.2 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#82

trans-1,4-Dichloro-2-butene

Concen: 34.45 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN027170.D

Acq: 15 Sep 2015 16:24

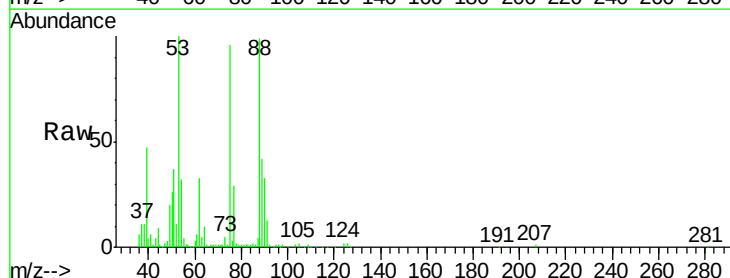
Tgt Ion: 75 Resp: 84448

Ion Ratio Lower Upper

75 100

53 103.9 92.9 139.3

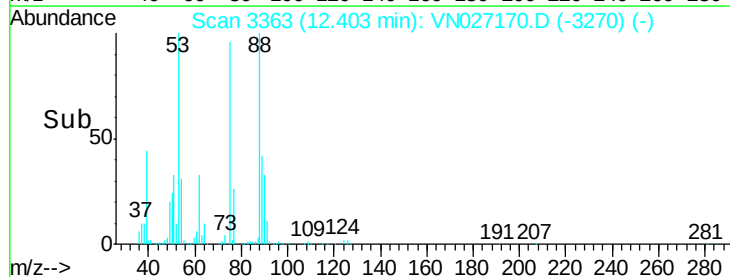
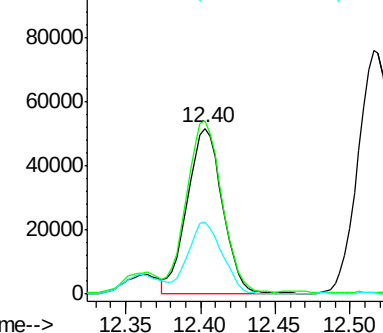
89 43.8 34.2 51.4

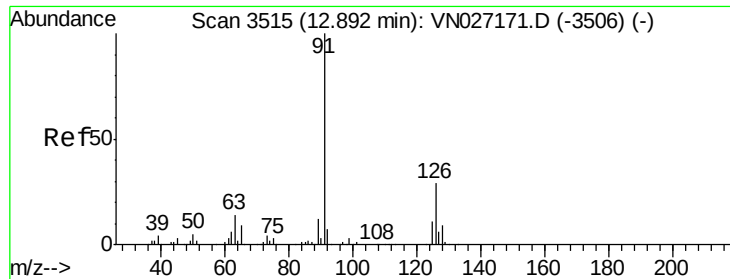


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

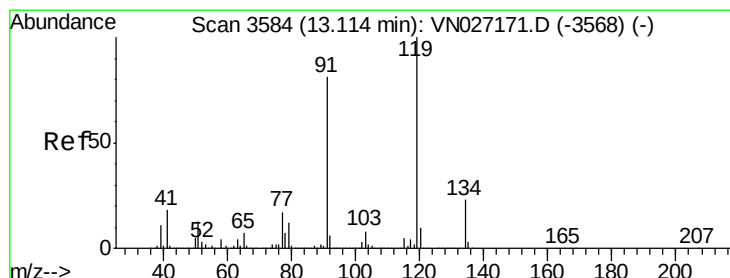
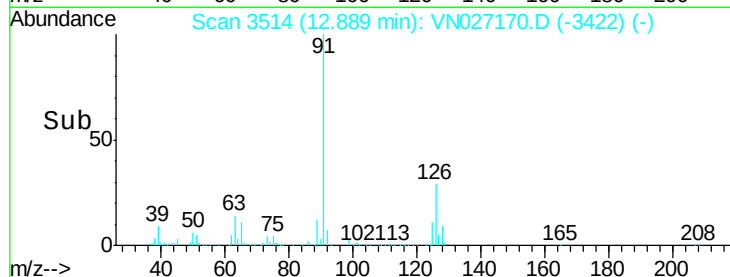
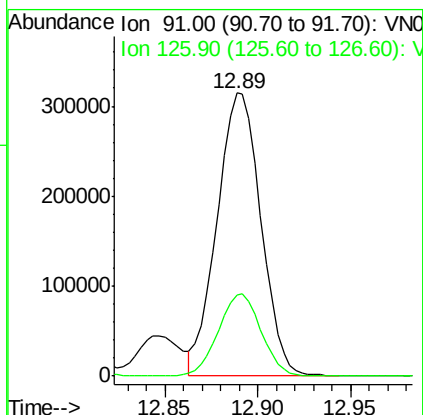
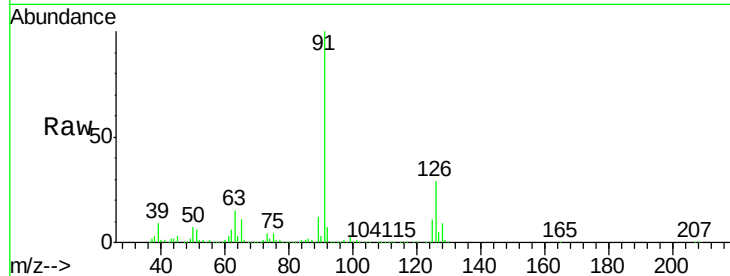




#83
4-Chlorotoluene
Concen: 25.56 ug/l
RT: 12.89 min Scan# 3514
Delta R.T. -0.00 min
Lab File: VN027170.D
Acq: 15 Sep 2015 16:24

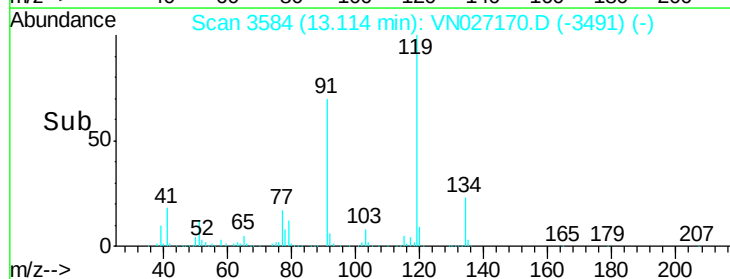
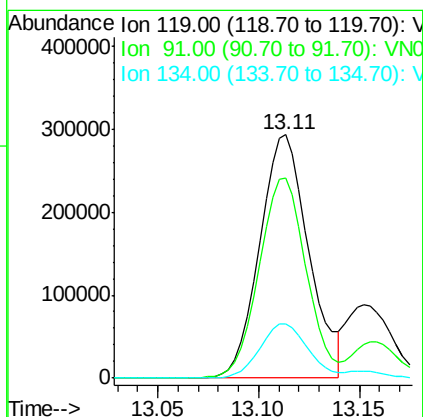
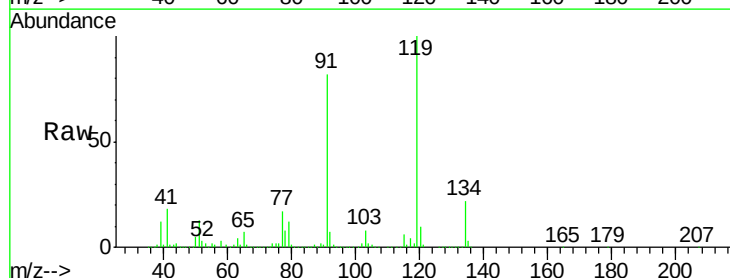
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

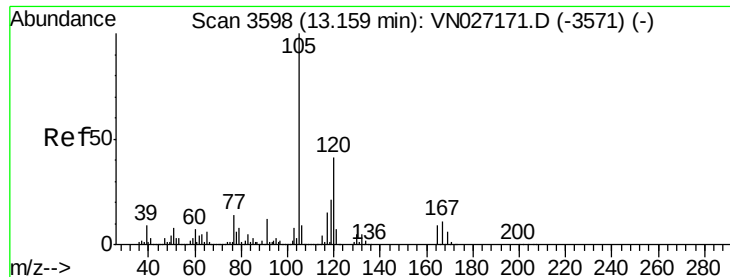
Tgt Ion: 91 Resp: 512431
Ion Ratio Lower Upper
91 100
126 28.4 14.9 44.5



#84
tert-Butylbenzene
Concen: 24.02 ug/l
RT: 13.11 min Scan# 3584
Delta R.T. 0.00 min
Lab File: VN027170.D
Acq: 15 Sep 2015 16:24

Tgt Ion: 119 Resp: 496951
Ion Ratio Lower Upper
119 100
91 78.7 34.6 103.8
134 22.0 11.4 34.2

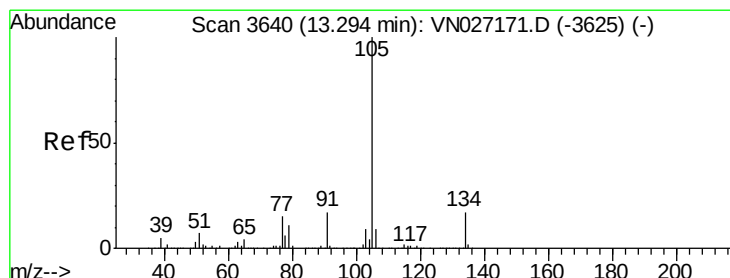
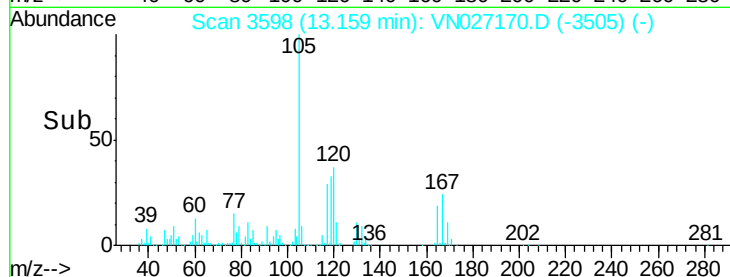
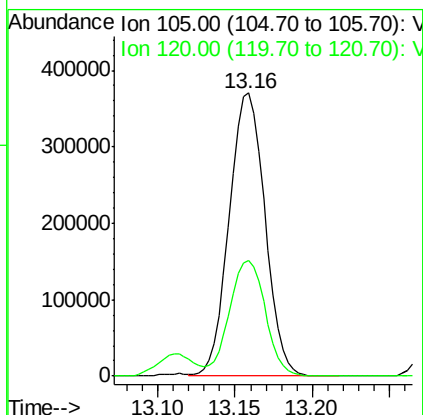
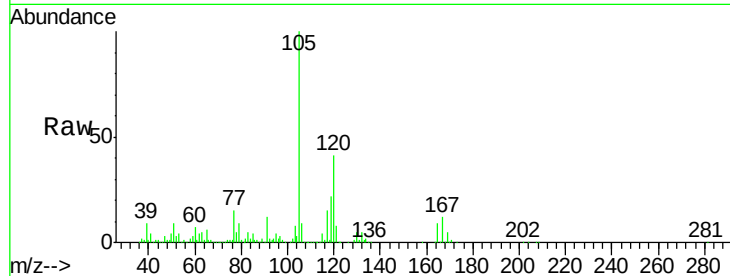




#85
 1,2,4-Trimethylbenzene
 Concen: 25.50 ug/l
 RT: 13.16 min Scan# 3598
 Delta R.T. 0.00 min
 Lab File: VN027170.D
 Acq: 15 Sep 2015 16:24

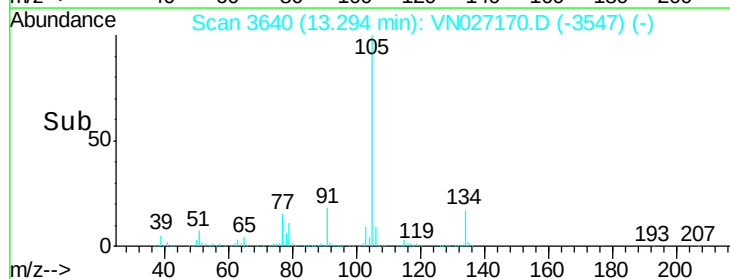
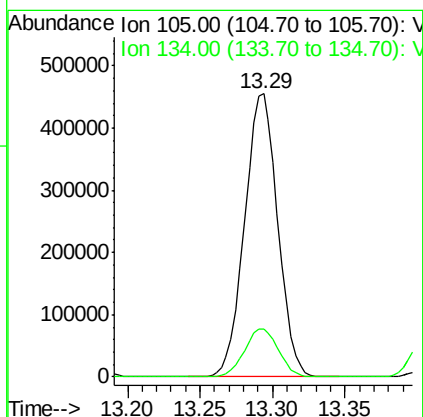
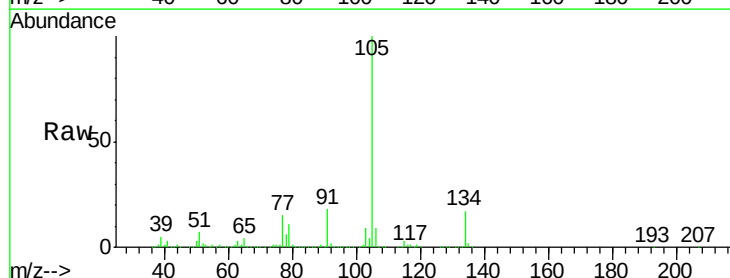
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

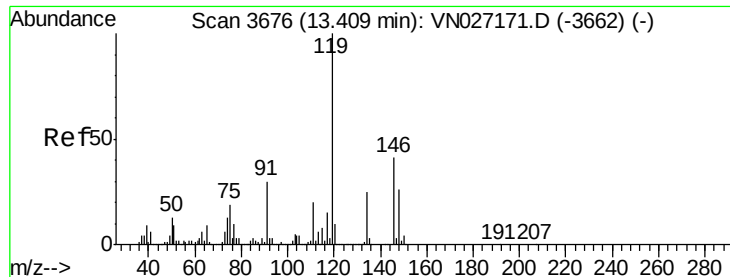
Tgt Ion:105 Resp: 594195
 Ion Ratio Lower Upper
 105 100
 120 41.1 21.9 65.5



#86
 sec-Butylbenzene
 Concen: 25.26 ug/l
 RT: 13.29 min Scan# 3640
 Delta R.T. 0.00 min
 Lab File: VN027170.D
 Acq: 15 Sep 2015 16:24

Tgt Ion:105 Resp: 721464
 Ion Ratio Lower Upper
 105 100
 134 17.4 8.8 26.4

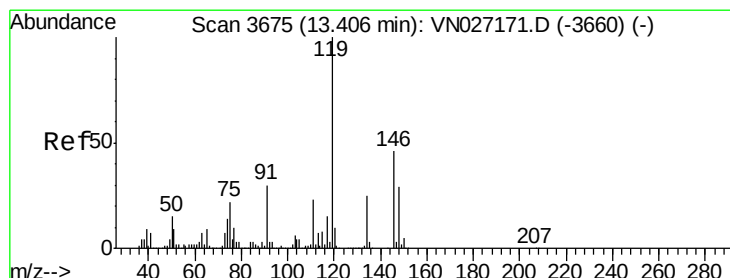
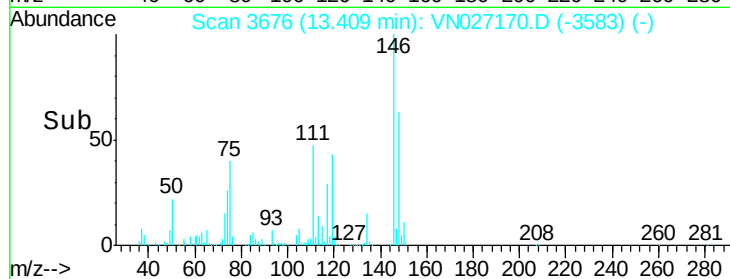
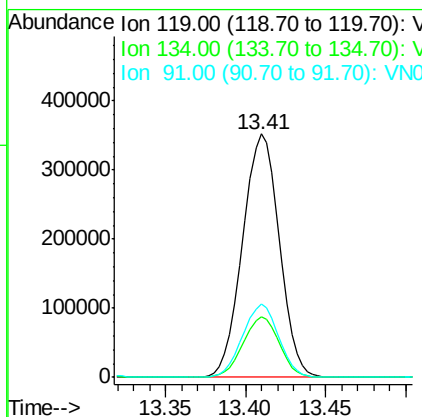
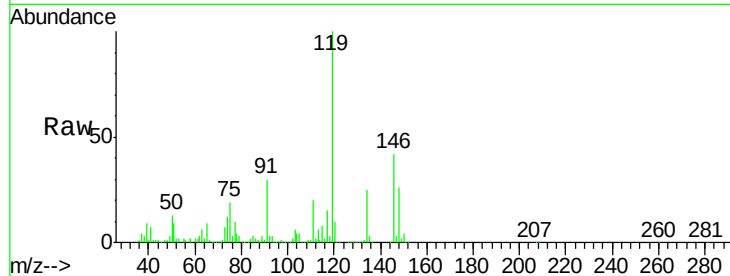




#87
 p-Isopropyltoluene
 Concen: 23.68 ug/l
 RT: 13.41 min Scan# 3676
 Delta R.T. 0.00 min
 Lab File: VN027170.D
 Acq: 15 Sep 2015 16:24

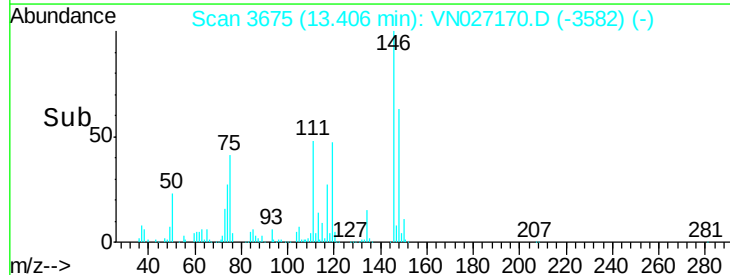
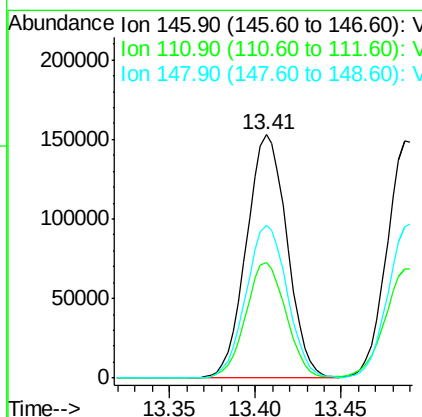
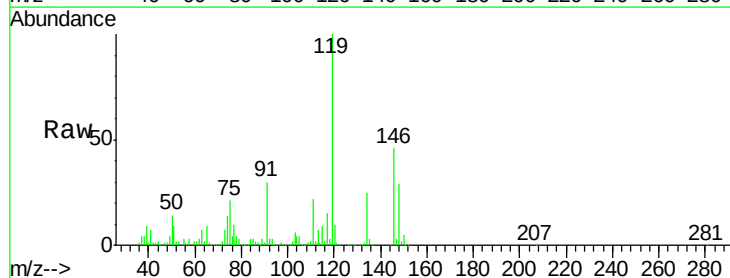
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

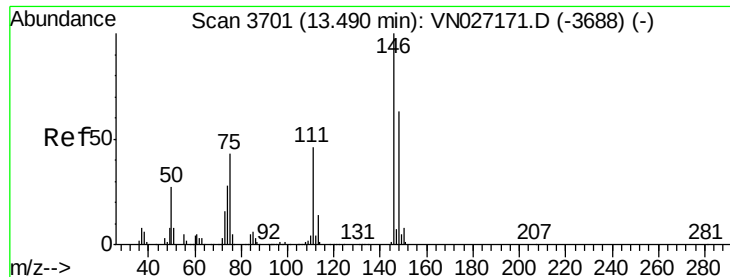
Tgt Ion	Ratio	Lower	Upper
119	100		
134	24.6	12.4	37.0
91	29.2	12.0	36.1



#88
 1,3-Dichlorobenzene
 Concen: 19.84 ug/l
 RT: 13.41 min Scan# 3675
 Delta R.T. 0.00 min
 Lab File: VN027170.D
 Acq: 15 Sep 2015 16:24

Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.1	21.0	63.0
148	63.5	31.9	95.9





#89

1,4-Dichlorobenzene

Concen: 19.13 ug/l

RT: 13.49 min Scan# 3700

Delta R.T. -0.00 min

Lab File: VN027170.D

Acq: 15 Sep 2015 16:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

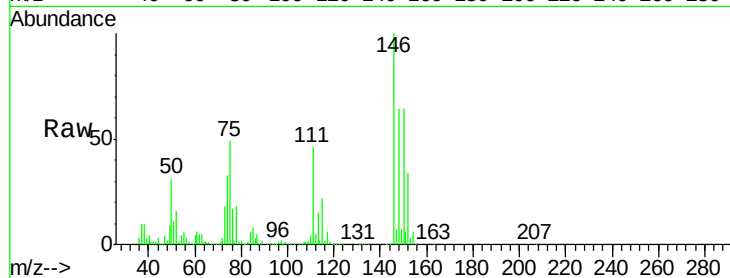
Tgt Ion:146 Resp: 243958

Ion Ratio Lower Upper

146 100

111 48.4 19.9 59.6

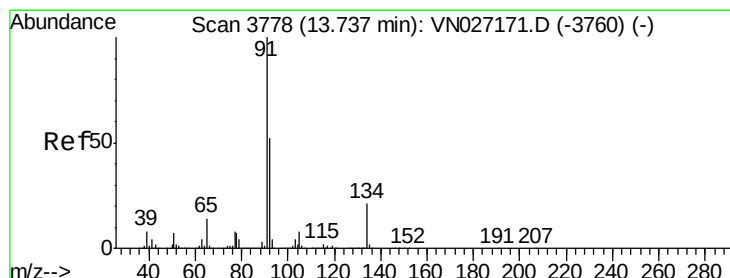
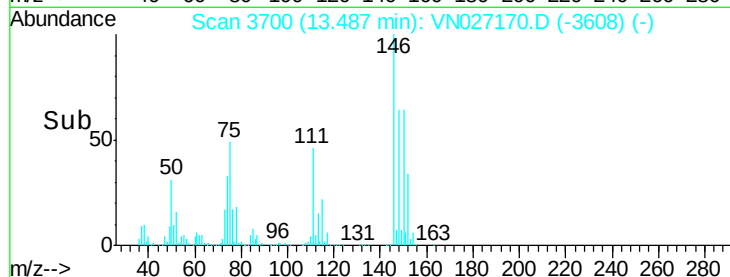
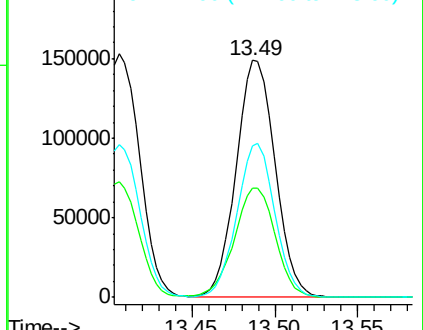
148 63.1 31.7 95.1



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#90

n-Butylbenzene

Concen: 26.54 ug/l

RT: 13.74 min Scan# 3778

Delta R.T. 0.00 min

Lab File: VN027170.D

Acq: 15 Sep 2015 16:24

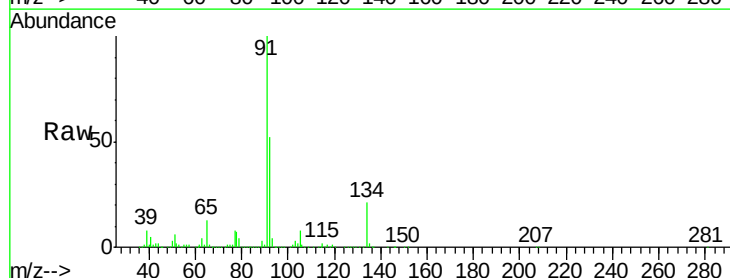
Tgt Ion: 91 Resp: 535306

Ion Ratio Lower Upper

91 100

92 51.9 26.1 78.2

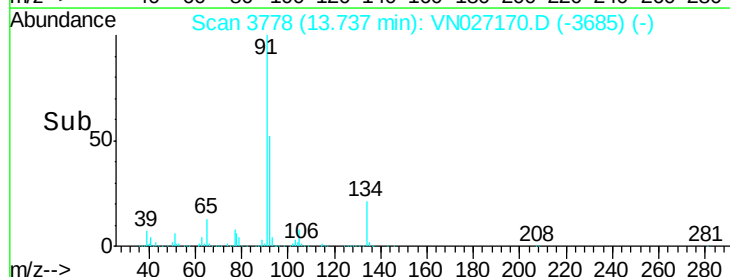
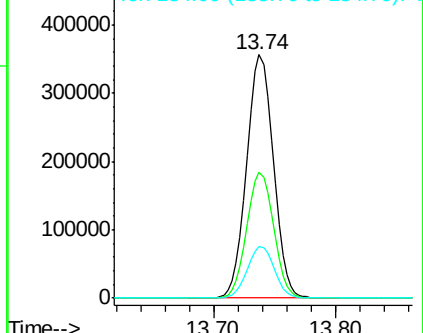
134 21.4 11.1 33.1

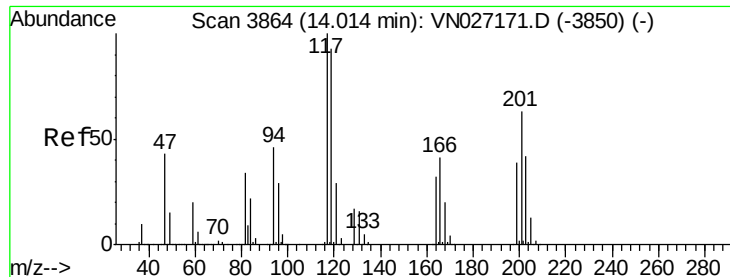


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V





#91

Hexachloroethane

Concen: 26.27 ug/l

RT: 14.01 min Scan# 3864

Delta R.T. 0.00 min

Lab File: VN027170.D

Acq: 15 Sep 2015 16:24

Instrument :

MSVOA_N

ClientSampled :

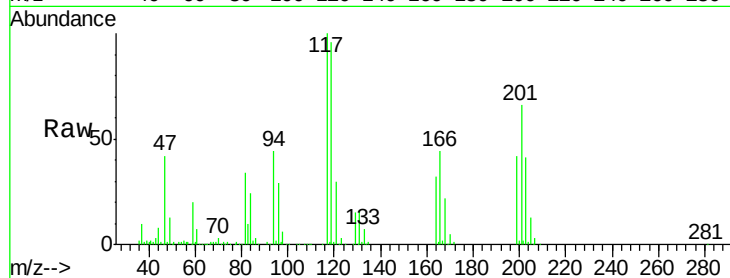
VSTDIC020

Tgt Ion:117 Resp: 121704

Ion Ratio Lower Upper

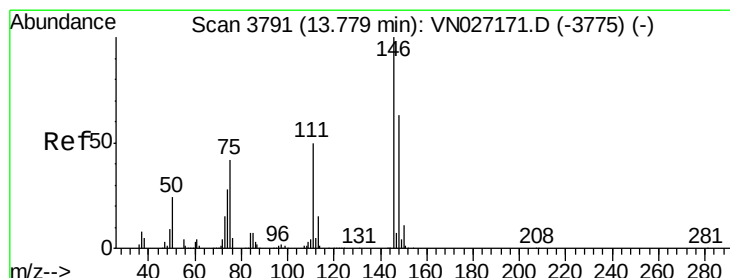
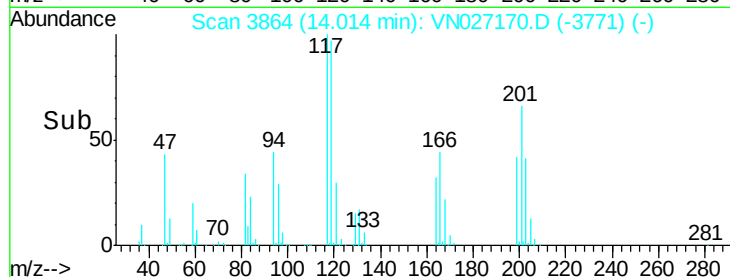
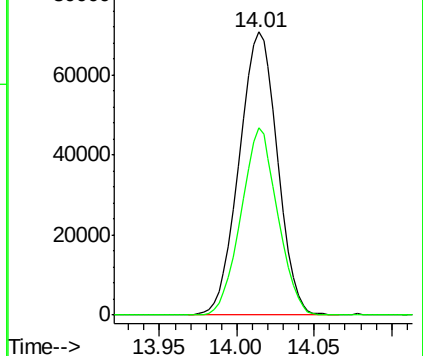
117 100

201 63.1 34.9 104.7



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dichlorobenzene

Concen: 20.28 ug/l

RT: 13.78 min Scan# 3791

Delta R.T. 0.00 min

Lab File: VN027170.D

Acq: 15 Sep 2015 16:24

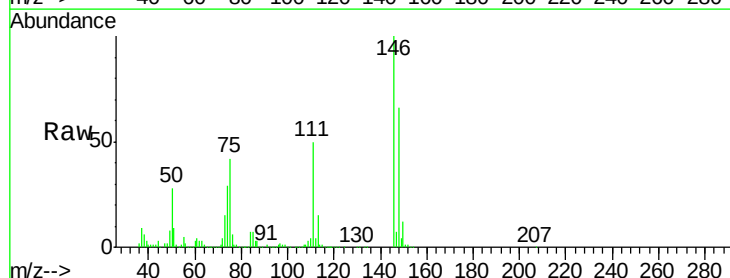
Tgt Ion:146 Resp: 253694

Ion Ratio Lower Upper

146 100

111 49.5 22.1 66.3

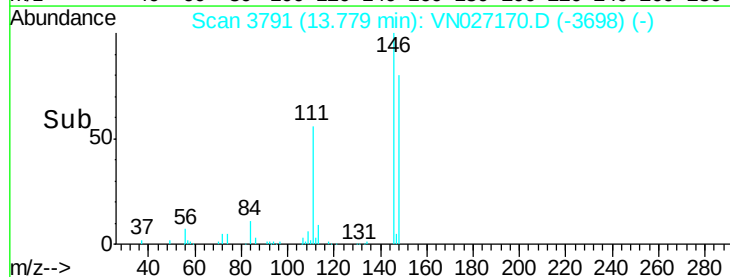
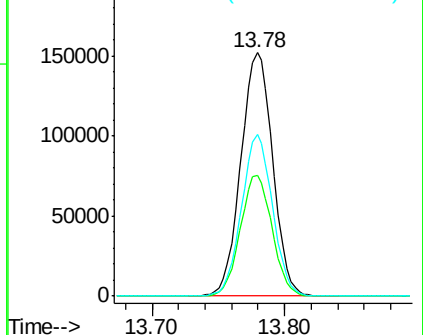
148 64.6 32.0 96.0

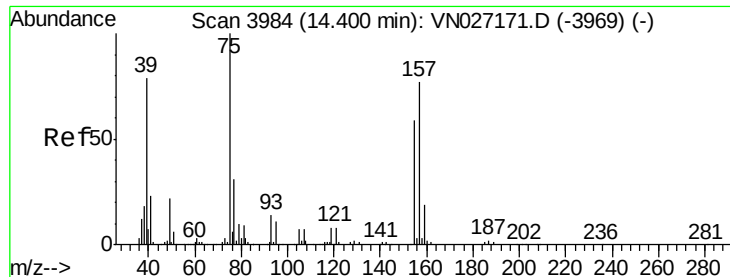


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#93

1,2-Dibromo-3-Chloropropane

Concen: 36.74 ug/l

RT: 14.40 min Scan# 3984

Delta R.T. 0.00 min

Lab File: VN027170.D

Acq: 15 Sep 2015 16:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

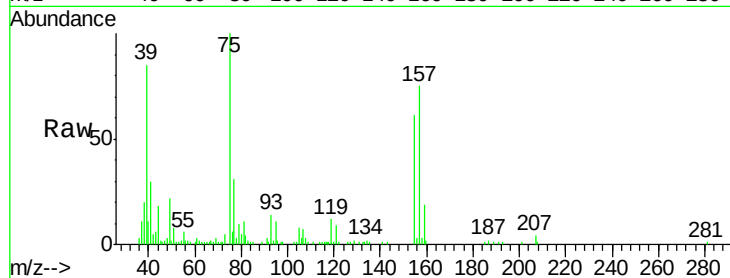
Tgt Ion: 75 Resp: 45163

Ion Ratio Lower Upper

75 100

155 63.3 35.6 106.9

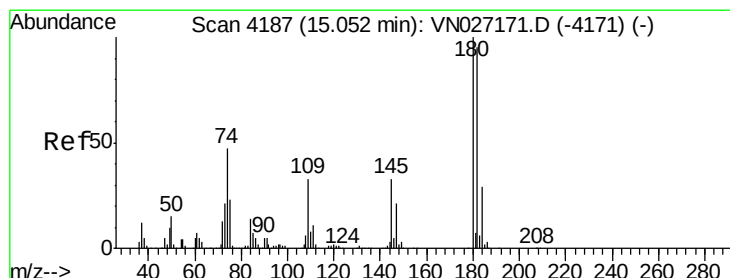
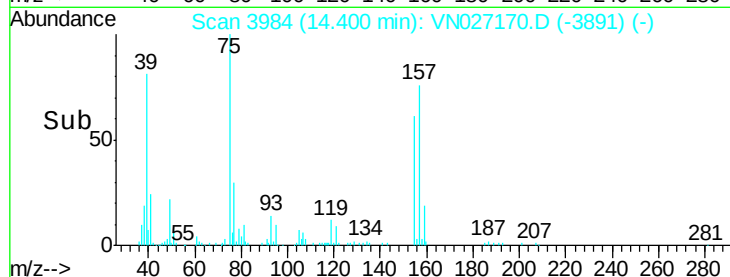
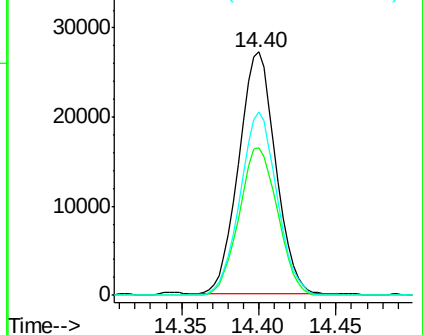
157 75.6 44.6 133.8



Abundance Ion 74.90 (74.60 to 75.60): VN027170.D (-3891) (-)

Ion 154.80 (154.50 to 155.50): VN027170.D (-3891) (-)

Ion 156.80 (156.50 to 157.50): VN027170.D (-3891) (-)



#94

1,2,4-Trichlorobenzene

Concen: 21.07 ug/l

RT: 15.05 min Scan# 4187

Delta R.T. 0.00 min

Lab File: VN027170.D

Acq: 15 Sep 2015 16:24

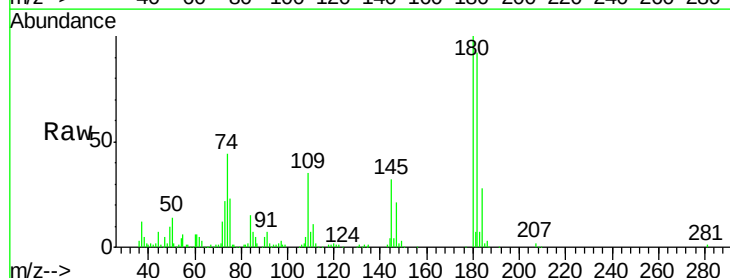
Tgt Ion: 180 Resp: 133062

Ion Ratio Lower Upper

180 100

182 95.2 47.5 142.5

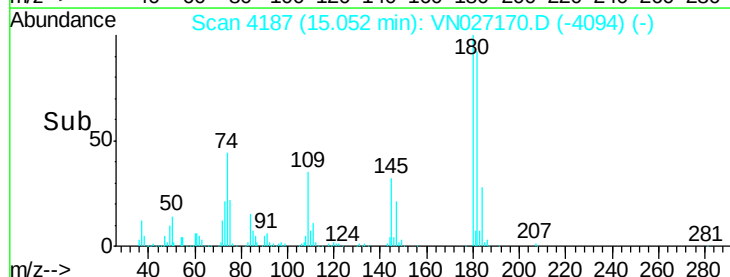
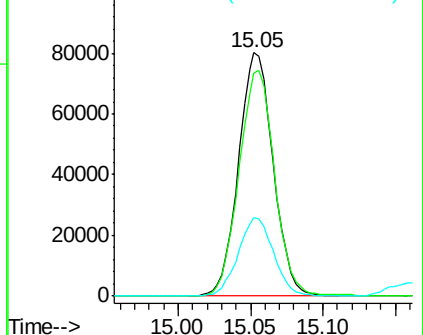
145 33.1 15.1 45.3

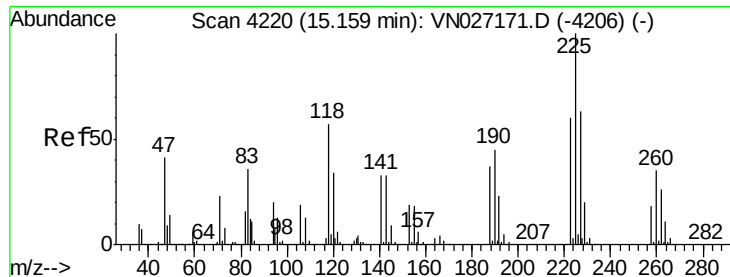


Abundance Ion 179.80 (179.50 to 180.50): VN027170.D (-4094) (-)

Ion 181.80 (181.50 to 182.50): VN027170.D (-4094) (-)

Ion 144.80 (144.50 to 145.50): VN027170.D (-4094) (-)





#95

Hexachlorobutadiene

Concen: 20.82 ug/l

RT: 15.16 min Scan# 4220

Delta R.T. 0.00 min

Lab File: VN027170.D

Acq: 15 Sep 2015 16:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

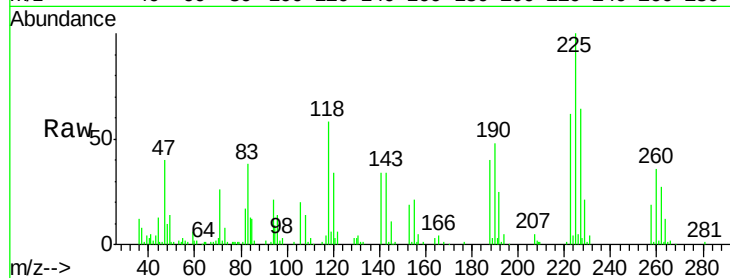
Tgt Ion:225 Resp: 72861

Ion Ratio Lower Upper

225 100

223 61.2 30.8 92.3

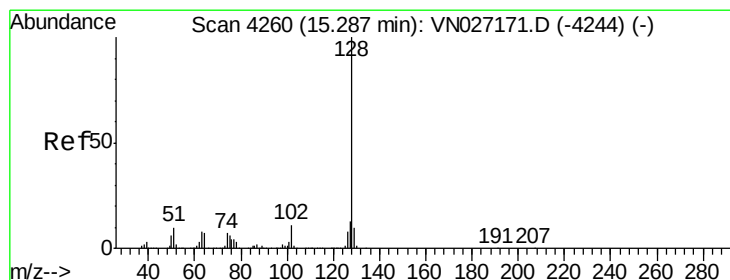
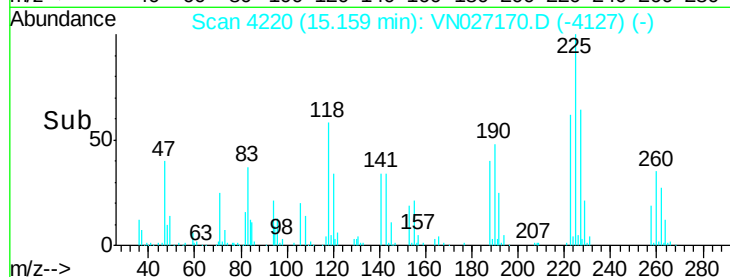
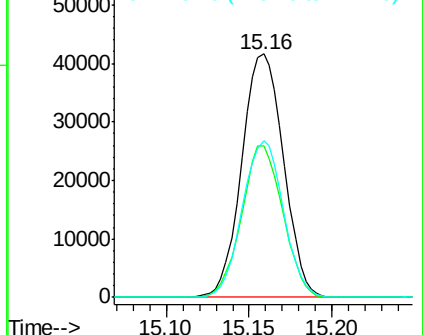
227 63.3 31.7 95.1



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#96

Naphthalene

Concen: 26.09 ug/l

RT: 15.29 min Scan# 4260

Delta R.T. 0.00 min

Lab File: VN027170.D

Acq: 15 Sep 2015 16:24

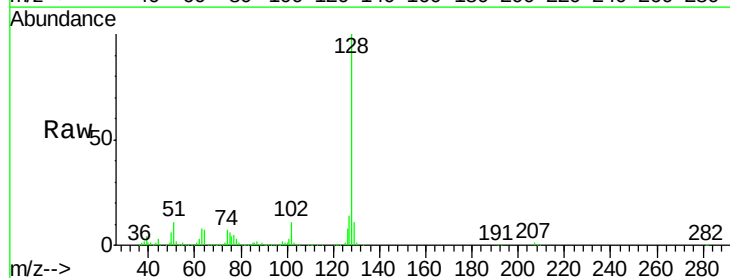
Tgt Ion:128 Resp: 394315

Ion Ratio Lower Upper

128 100

127 13.2 10.4 15.6

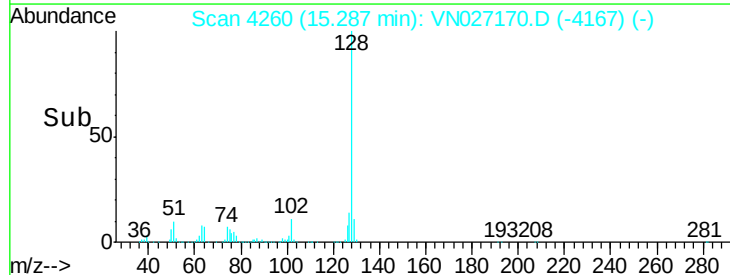
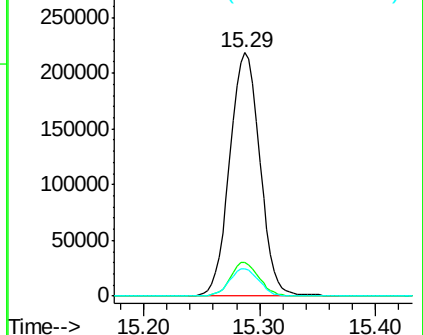
129 11.0 8.6 12.8

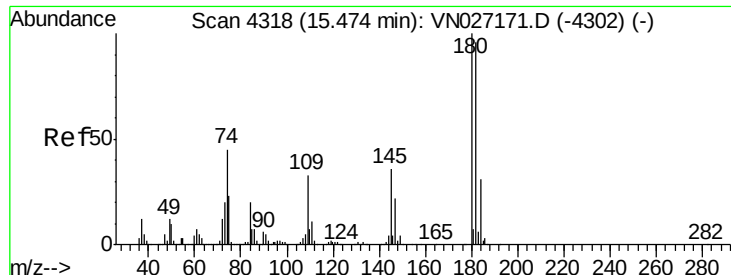


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

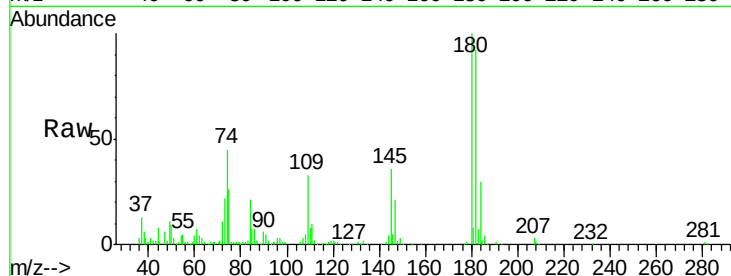




#97
 1,2,3-Trichlorobenzene
 Concen: 21.02 ug/l
 RT: 15.47 min Scan# 4317
 Delta R.T. -0.00 min
 Lab File: VN027170.D
 Acq: 15 Sep 2015 16:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	48.8	146.4
145	35.6	16.6	49.8



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

