

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN091515\
 Data File : VN027168.D
 Acq On : 15 Sep 2015 15:29
 Operator : MD\FY
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Quant Time: Sep 15 17:33:58 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	484786	50.00	ug/l	0.00
35) 1,4-Difluorobenzene	8.68	114	877070	50.00	ug/l	0.00
64) Chlorobenzene-d5	11.52	117	732896	50.00	ug/l	0.00
73) 1,4-Dichlorobenzene-d4	13.47	152	248825	50.00	ug/l	0.00

System Monitoring Compounds

34) 1,2-Dichloroethane-d4	8.12	65	8307	1.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.62%	
36) Dibromofluoromethane	7.68	113	5258	0.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	1.96%	
51) Toluene-d8	10.19	98	20776	0.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	1.94%	
63) 4-Bromofluorobenzene	12.52	95	7134	1.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.80	85	3762	0.97	ug/l	85
3) Chlorodifluoromethane	1.81	51	5013	0.94	ug/l	94
4) Chloromethane	2.00	50	6609	1.12	ug/l	99
5) Vinyl Chloride	2.14	62	4313	0.74	ug/l	100
6) Bromomethane	2.54	94	3140	0.97	ug/l	94
7) Chloroethane	2.69	64	3671	1.15	ug/l	# 75
8) Trichlorofluoromethane	3.02	101	6606	0.95	ug/l	96
10) 1,1,2-Trichlorotrifluoroet	3.79	101	3953	0.83	ug/l	# 79
11) Methyl Iodide	3.99	142	3698	0.67	ug/l	# 81
12) Tert butyl alcohol	4.82	59	4743	10.46	ug/l	# 93
13) 1,1-Dichloroethene	3.76	96	2089	0.45	ug/l	# 62
14) Acrolein	3.62	56	1086	1.38	ug/l	# 59
15) Allyl chloride	4.37	41	7376	0.94	ug/l	89
17) Acetone	3.79	43	1219	0.65	ug/l	99
18) Carbon Disulfide	4.11	76	13395	0.93	ug/l	97
20) Methyl tert-butyl Ether	5.11	73	6074	0.39	ug/l	# 85
21) Methylene Chloride	4.60	84	4480	0.80	ug/l	# 89
22) trans-1,2-Dichloroethene	5.12	96	3407	0.66	ug/l	# 78
23) Diisopropyl ether	6.03	45	16904	1.00	ug/l	# 49
24) Vinyl Acetate	6.01	43	14672	2.89	ug/l	95
25) 1,1-Dichloroethane	5.93	63	10122	1.06	ug/l	# 94
28) cis-1,2-Dichloroethene	6.91	96	1654	0.27	ug/l	# 1
29) Bromochloromethane	7.29	49	3435	0.74	ug/l	98
31) Chloroform	7.46	83	9845	1.02	ug/l	96
32) Cyclohexane	7.75	56	24405	2.17	ug/l	# 31
33) 1,1,1-Trichloroethane	7.67	97	7158	0.87	ug/l	# 53
37) 1,1-Dichloropropene	7.89	75	7346	0.89	ug/l	90
39) Carbon Tetrachloride	7.89	117	5410	0.70	ug/l	91
41) Benzene	8.14	78	19191	0.76	ug/l	97
42) Methacrylonitrile	7.25	41	1205	0.32	ug/l	# 67
43) 1,2-Dichloroethane	8.22	62	7339	0.84	ug/l	83
44) Isopropyl Acetate	8.26	43	9788	0.93	ug/l	# 57
45) Trichloroethene	8.94	130	3882	0.63	ug/l	82
46) 1,2-Dichloropropane	9.21	63	3386	0.51	ug/l	# 78

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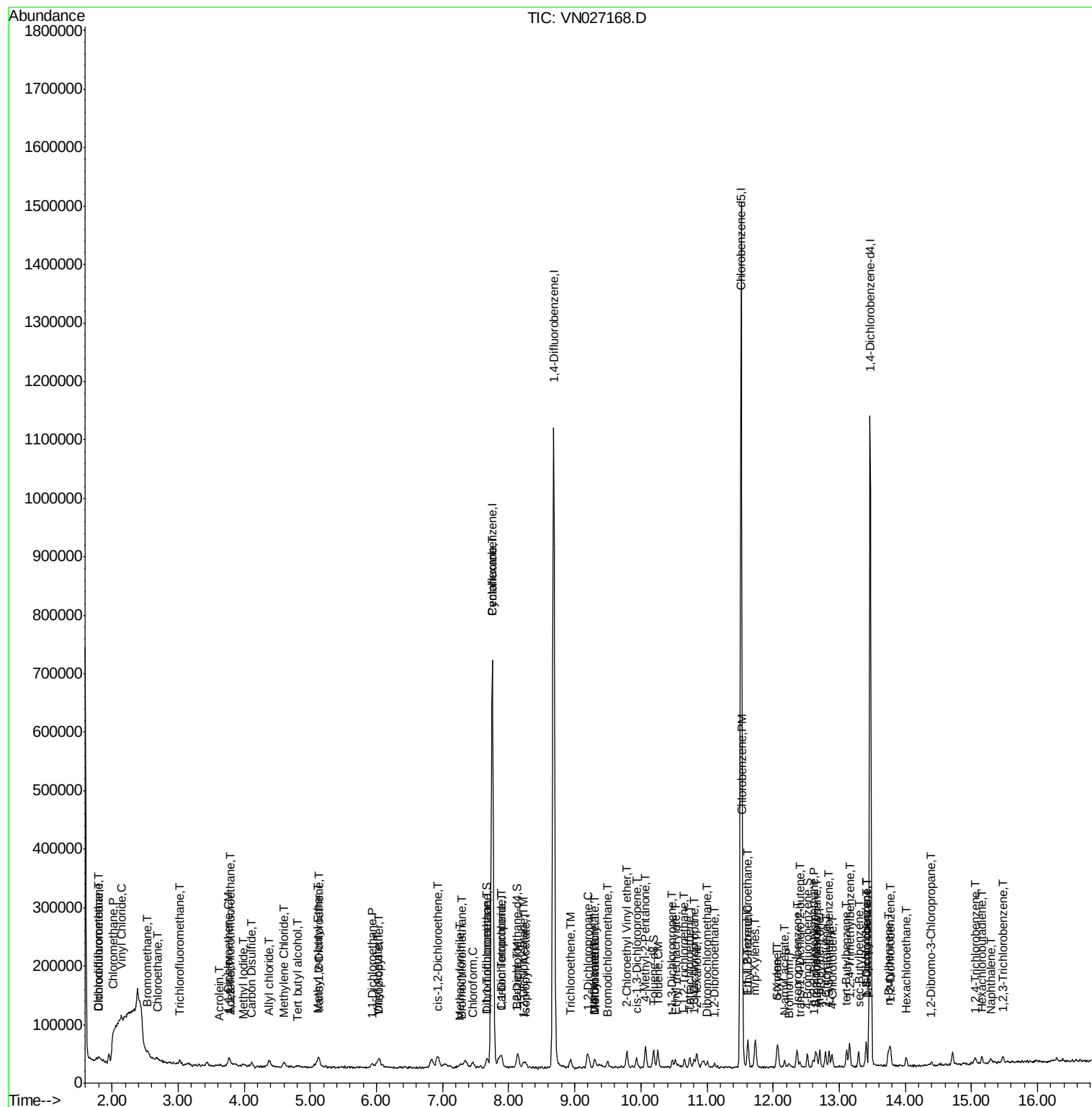
Quant Time: Sep 15 17:33:58 2015
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N091515W.M
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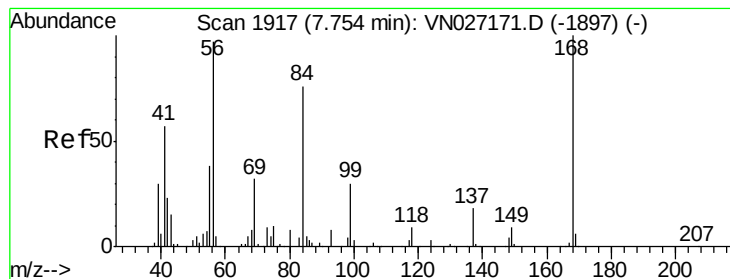
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) Dibromomethane	9.31	93	3656	0.93	ug/l #	56
48) Bromodichloromethane	9.50	83	7524	0.92	ug/l #	98
49) Methyl methacrylate	9.29	41	1601	0.30	ug/l #	1
50) 1,4-Dioxane	9.31	88	919	11.88	ug/l #	52
52) 4-Methyl-2-Pentanone	10.07	43	26913	4.49	ug/l	96
53) Toluene	10.26	92	11913	0.77	ug/l	87
54) t-1,3-Dichloropropene	10.48	75	7632	0.93	ug/l	89
55) cis-1,3-Dichloropropene	9.93	75	8490	0.89	ug/l #	87
56) 1,1,2-Trichloroethane	10.66	97	3912	0.66	ug/l #	85
57) Ethyl methacrylate	10.53	69	7042	0.89	ug/l #	82
58) 1,3-Dichloropropane	10.80	76	7715	0.79	ug/l #	85
59) 2-Chloroethyl Vinyl ether	9.79	63	14453	4.67	ug/l	92
60) 2-Hexanone	10.84	43	17370	4.35	ug/l	91
61) Dibromochloromethane	11.00	129	4555	0.75	ug/l	80
62) 1,2-Dibromoethane	11.11	107	4303	0.76	ug/l	100
65) Tetrachloroethene	10.74	164	3396	0.65	ug/l #	77
66) Chlorobenzene	11.54	112	11503	0.72	ug/l	96
67) 1,1,1,2-Tetrachloroethane	11.62	131	3954	0.72	ug/l #	60
68) Ethyl Benzene	11.62	91	19965	0.74	ug/l	95
69) m/p-Xylenes	11.73	106	14710	1.47	ug/l	97
70) o-Xylene	12.06	106	7369	0.75	ug/l	95
71) Styrene	12.08	104	10660	0.67	ug/l	89
72) Bromoform	12.24	173	2618	0.69	ug/l #	94
74) Isopropylbenzene	12.36	105	19513	0.91	ug/l	93
75) N-amyl acetate	12.17	43	6194	0.94	ug/l #	69
76) 1,1,1,2-Tetrachloroethane	12.61	83	6219	1.07	ug/l #	96
77) 1,2,3-Trichloropropane	12.67	75	7975	1.62	ug/l #	1
78) Bromobenzene	12.65	156	3460	0.67	ug/l	80
79) n-propylbenzene	12.71	91	22010	0.93	ug/l	97
80) 2-Chlorotoluene	12.79	91	13311	0.91	ug/l	99
81) 1,3,5-Trimethylbenzene	12.85	105	14801	0.91	ug/l	93
82) trans-1,4-Dichloro-2-buten	12.40	75	2377	1.37	ug/l	87
83) 4-Chlorotoluene	12.89	91	12184	0.86	ug/l	99
84) tert-Butylbenzene	13.11	119	11710	0.80	ug/l	82
85) 1,2,4-Trimethylbenzene	13.16	105	15257	0.93	ug/l	90
86) sec-Butylbenzene	13.29	105	17843	0.89	ug/l	99
87) p-Isopropyltoluene	13.41	119	13492	0.82	ug/l	98
88) 1,3-Dichlorobenzene	13.41	146	5980	0.67	ug/l	86
89) 1,4-Dichlorobenzene	13.41	146	5980	0.66	ug/l	84
90) n-Butylbenzene	13.74	91	11146	0.78	ug/l	91
91) Hexachloroethane	14.02	117	3167	0.97	ug/l	98
92) 1,2-Dichlorobenzene	13.78	146	6501	0.74	ug/l	91
93) 1,2-Dibromo-3-Chloropropan	14.40	75	1612	1.86	ug/l #	50
94) 1,2,4-Trichlorobenzene	15.06	180	2017	0.45	ug/l	74
95) Hexachlorobutadiene	15.16	225	1880	0.76	ug/l	86
96) Naphthalene	15.29	128	6166	0.58	ug/l #	90
97) 1,2,3-Trichlorobenzene	15.48	180	2092	0.47	ug/l	86

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

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VSTDICC001

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.75 min Scan# 1916

Delta R.T. -0.00 min

Lab File: VN027168.D

Acq: 15 Sep 2015 15:29

Instrument :

MSVOA_N

ClientSampleId :

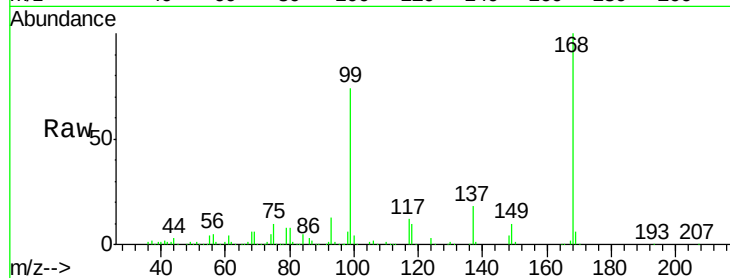
VSTDIC001

Tot Ion:168 Resp: 484786

Ion Ratio Lower Upper

168 100

99 74.1 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

200000

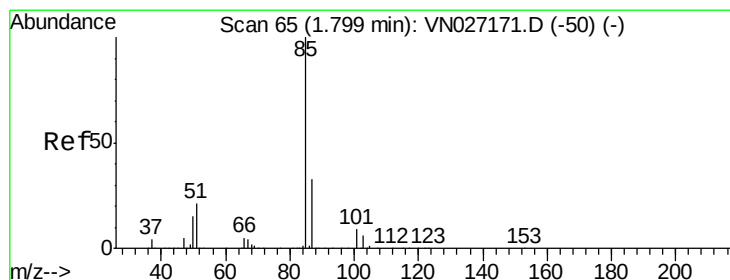
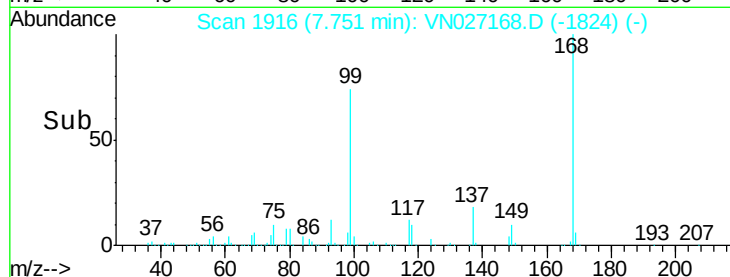
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.97 ug/l

RT: 1.80 min Scan# 65

Delta R.T. 0.00 min

Lab File: VN027168.D

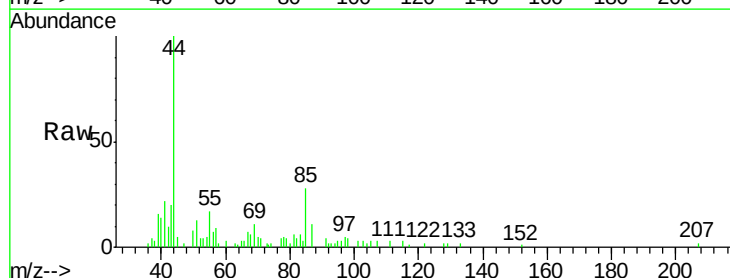
Acq: 15 Sep 2015 15:29

Tgt Ion: 85 Resp: 3762

Ion Ratio Lower Upper

85 100

87 40.7 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

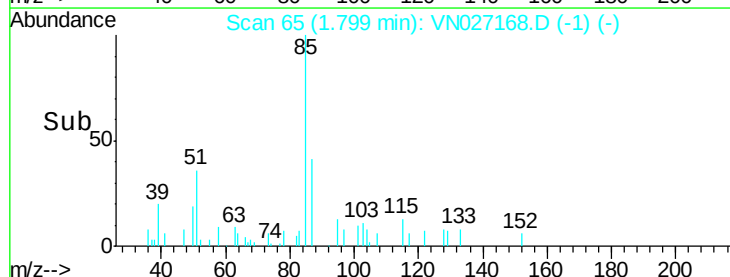
3000

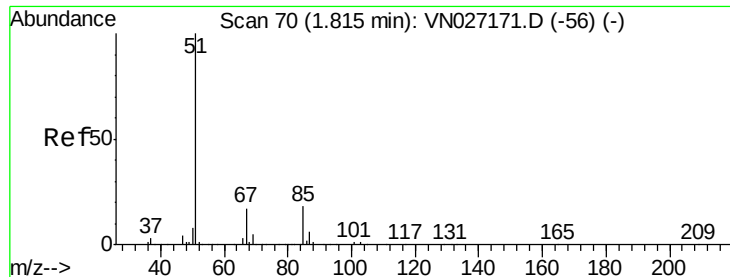
2000

1000

0

Time-->





#3

Chlorodifluoromethane

Concen: 0.94 ug/l

RT: 1.81 min Scan# 69

Delta R.T. -0.00 min

Lab File: VN027168.D

Acq: 15 Sep 2015 15:29

Instrument :

MSVOA_N

ClientSampleId :

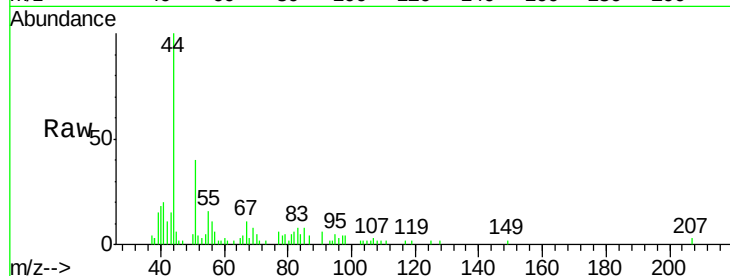
VSTDIC001

Tot Ion: 51 Resp: 5013

Ion Ratio Lower Upper

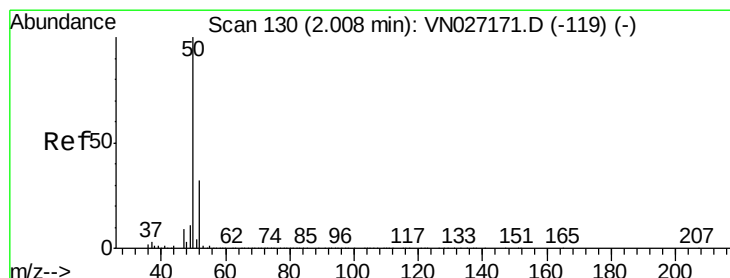
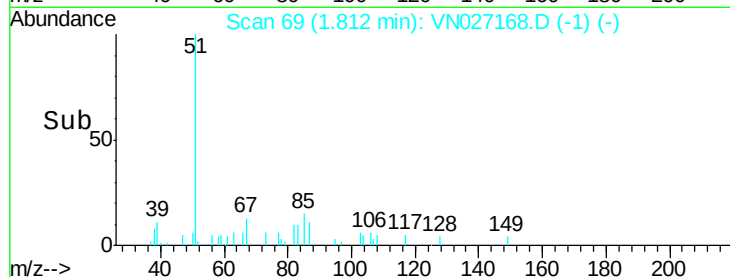
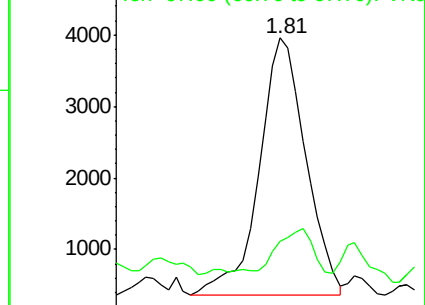
51 100

67 12.6 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: 1.12 ug/l

RT: 2.00 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN027168.D

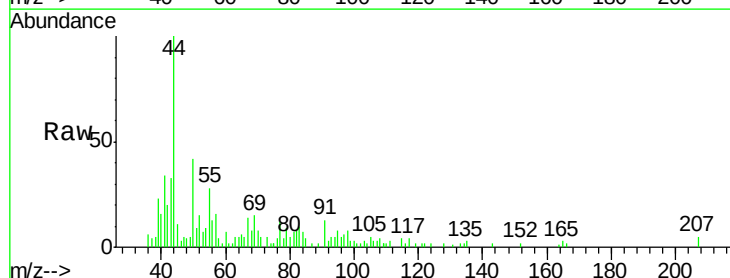
Acq: 15 Sep 2015 15:29

Tgt Ion: 50 Resp: 6609

Ion Ratio Lower Upper

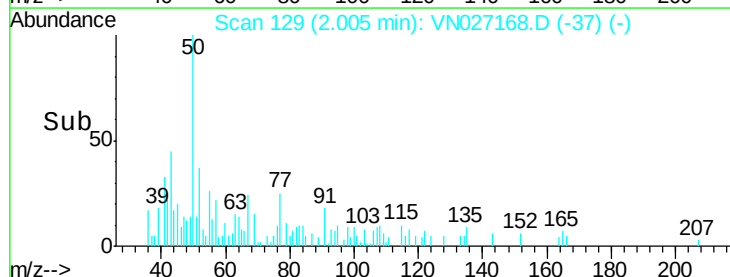
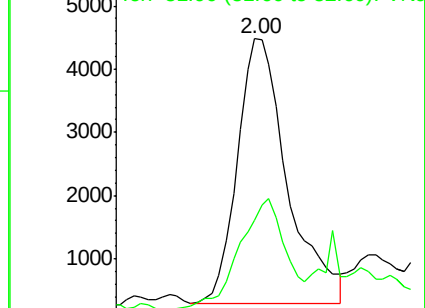
50 100

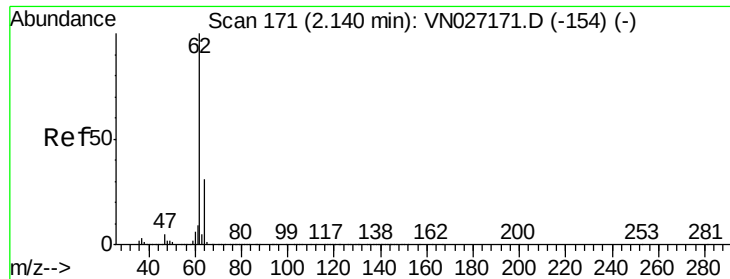
52 32.7 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0





#5

Vinyl Chloride

Concen: 0.74 ug/l

RT: 2.14 min Scan# 171

Delta R.T. 0.00 min

Lab File: VN027168.D

Acq: 15 Sep 2015 15:29

Instrument :

MSVOA_N

ClientSampled :

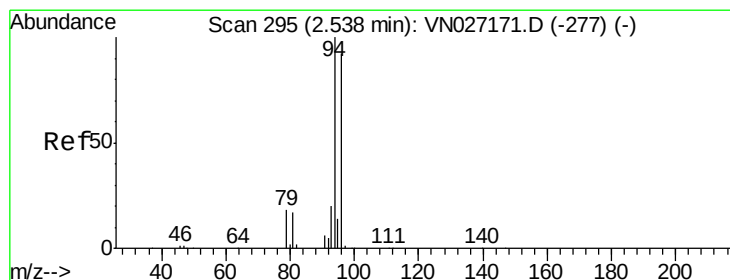
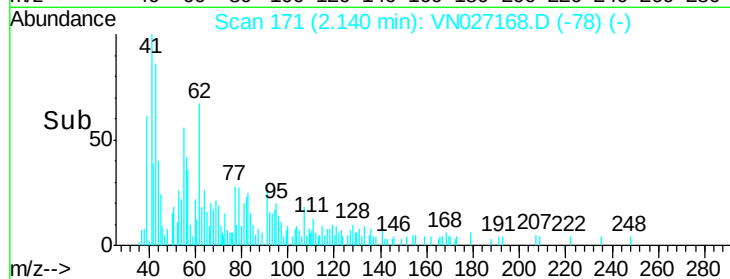
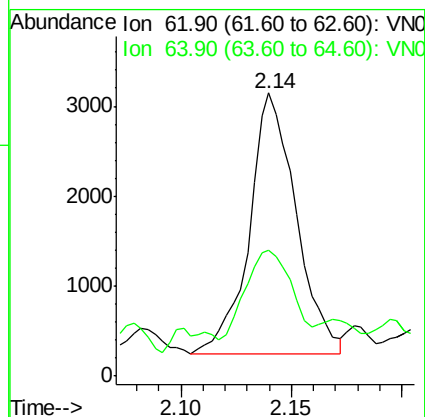
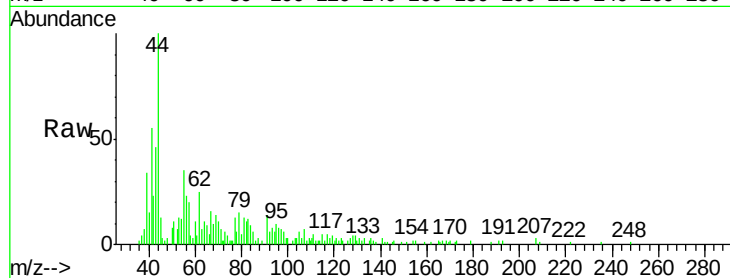
VSTDIC001

Tot Ion: 62 Resp: 4313

Ion Ratio Lower Upper

62 100

64 32.6 25.9 38.9



#6

Bromomethane

Concen: 0.97 ug/l

RT: 2.54 min Scan# 297

Delta R.T. 0.01 min

Lab File: VN027168.D

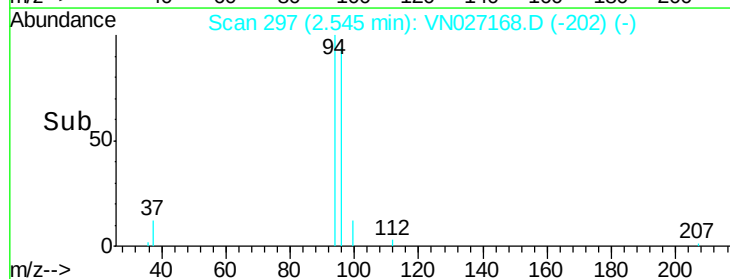
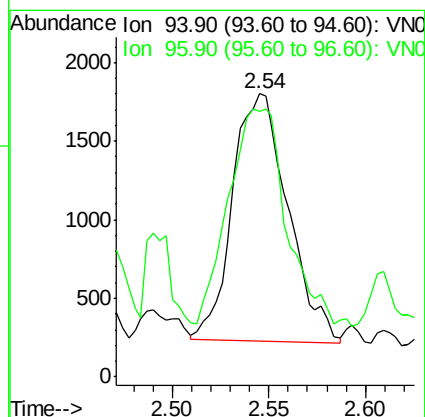
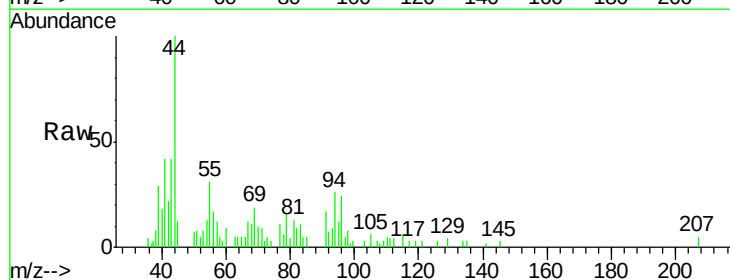
Acq: 15 Sep 2015 15:29

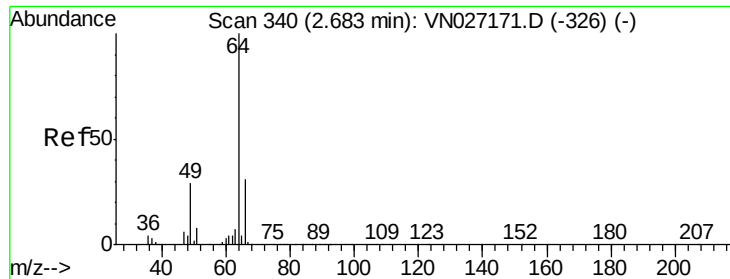
Tgt Ion: 94 Resp: 3140

Ion Ratio Lower Upper

94 100

96 86.3 73.4 110.2





#7

Chloroethane

Concen: 1.15 ug/l

RT: 2.69 min Scan# 341

Delta R.T. 0.00 min

Lab File: VN027168.D

Acq: 15 Sep 2015 15:29

Instrument :

MSVOA_N

ClientSampleId :

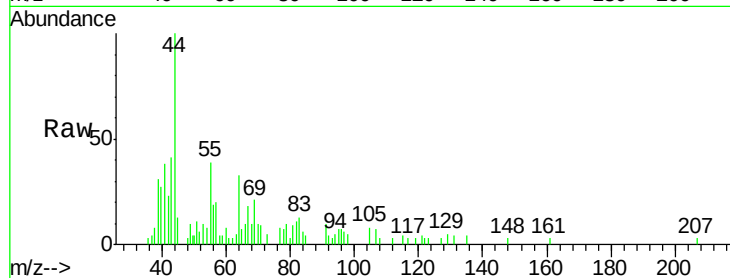
VSTDIC001

Tot Ion: 64 Resp: 3671

Ion Ratio Lower Upper

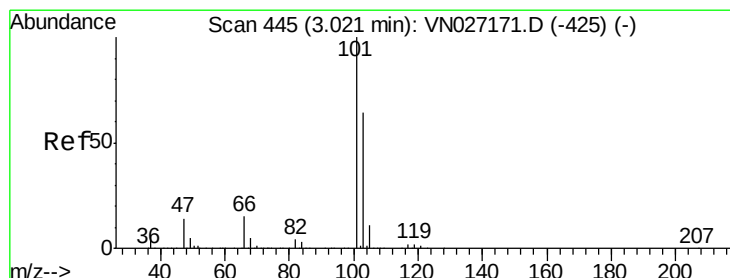
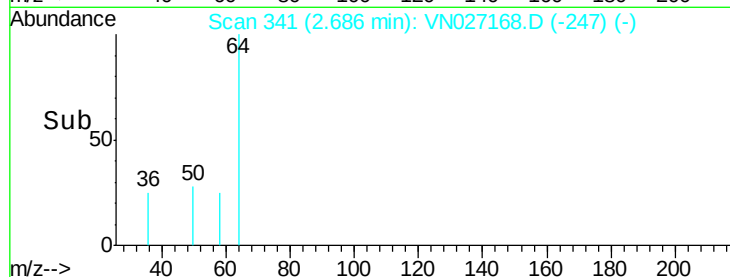
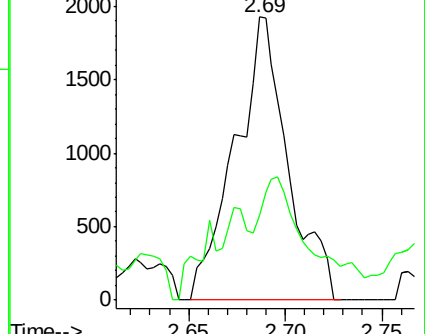
64 100

66 18.0 25.5 38.3#



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



#8

Trichlorofluoromethane

Concen: 0.95 ug/l

RT: 3.02 min Scan# 445

Delta R.T. 0.00 min

Lab File: VN027168.D

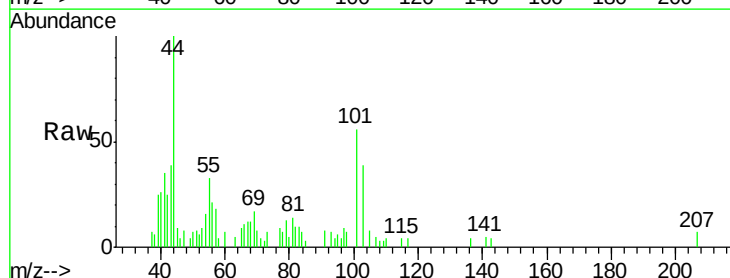
Acq: 15 Sep 2015 15:29

Tgt Ion: 101 Resp: 6606

Ion Ratio Lower Upper

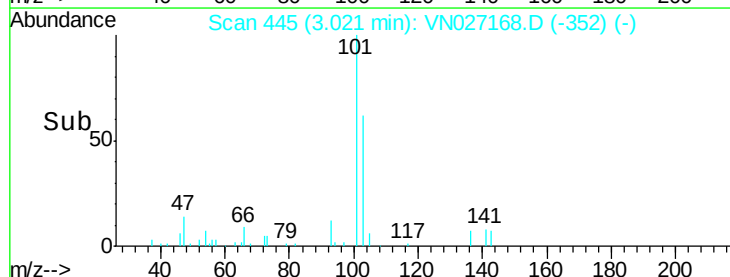
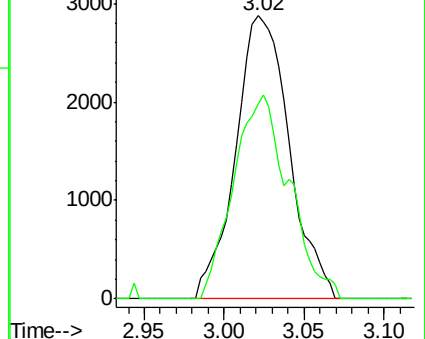
101 100

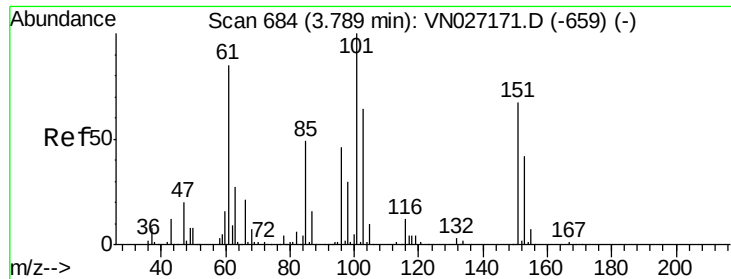
103 69.1 52.6 79.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V





#10

1,1,2-Trichlorotrifluoroethane

Concen: 0.83 ug/l

RT: 3.79 min Scan# 683

Delta R.T. -0.00 min

Lab File: VN027168.D

Acq: 15 Sep 2015 15:29

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

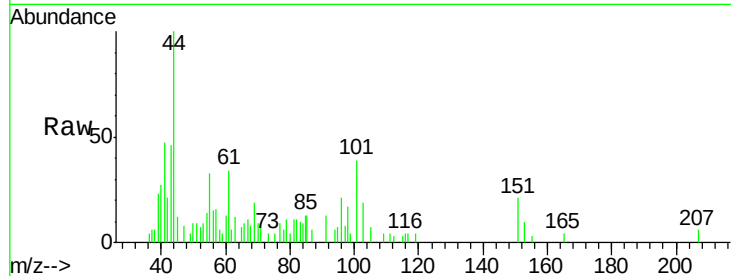
Tot Ion:101 Resp: 3953

Ion Ratio Lower Upper

101 100

85 18.0 37.4 56.0#

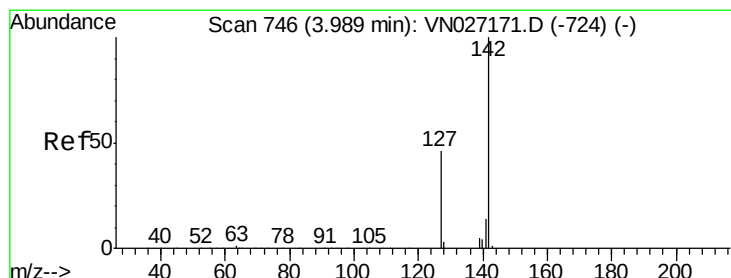
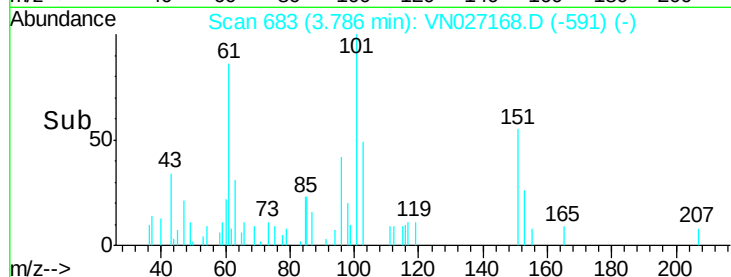
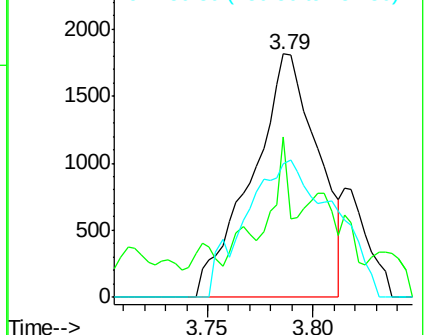
151 75.3 55.9 83.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#11

Methyl Iodide

Concen: 0.67 ug/l

RT: 3.99 min Scan# 747

Delta R.T. 0.00 min

Lab File: VN027168.D

Acq: 15 Sep 2015 15:29

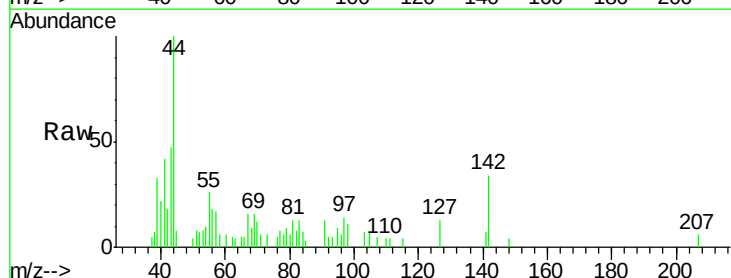
Tgt Ion:142 Resp: 3698

Ion Ratio Lower Upper

142 100

127 27.0 32.3 48.5#

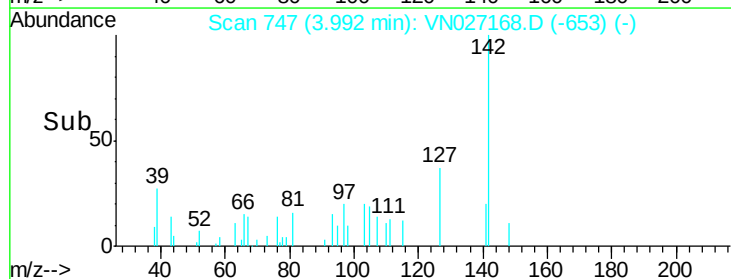
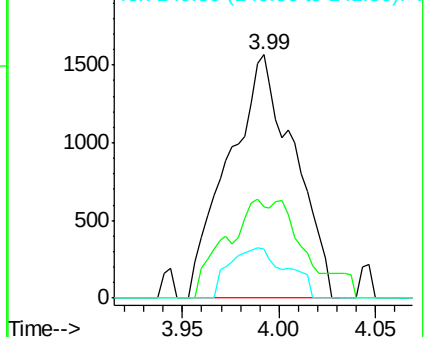
141 18.0 11.2 16.8#

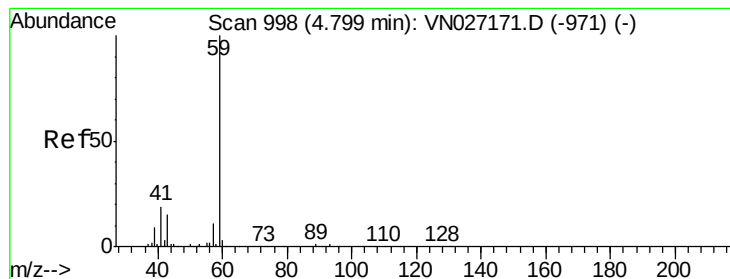


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#12

Tert butyl alcohol

Concen: 10.46 ug/l

RT: 4.82 min Scan# 1003

Delta R.T. 0.02 min

Lab File: VN027168.D

Acq: 15 Sep 2015 15:29

Instrument :

MSVOA_N

ClientSampled :

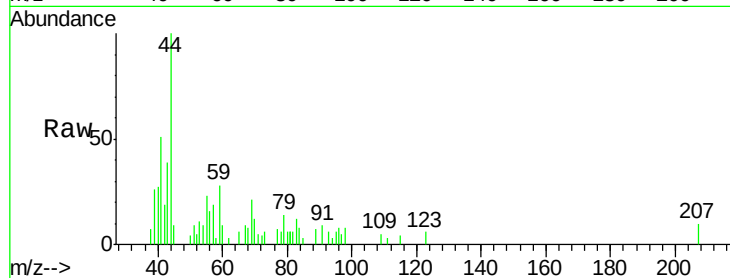
VSTDIC001

Tot Ion: 59 Resp: 4743

Ion Ratio Lower Upper

59 100

57 7.0 7.6 11.4#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO

1500

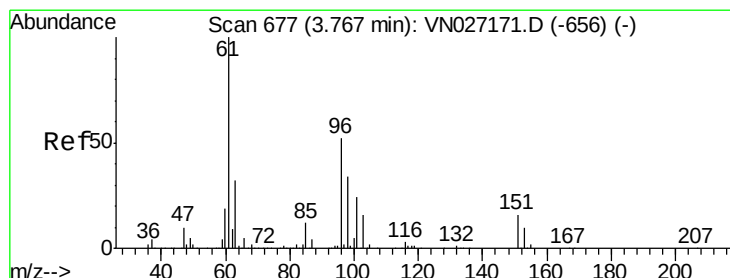
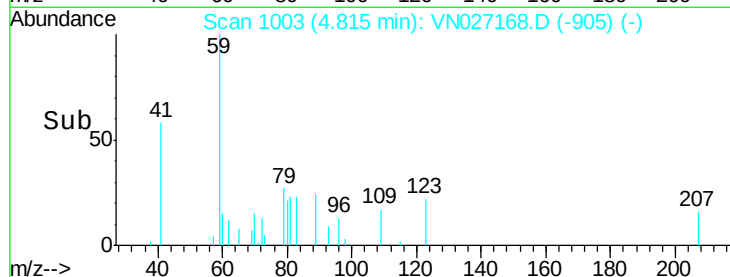
1000

500

0

4.70 4.75 4.80 4.85 4.90

Time-->



#13

1,1-Dichloroethene

Concen: 0.45 ug/l

RT: 3.76 min Scan# 674

Delta R.T. -0.01 min

Lab File: VN027168.D

Acq: 15 Sep 2015 15:29

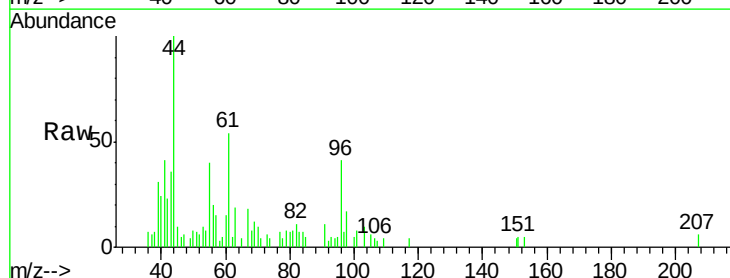
Tgt Ion: 96 Resp: 2089

Ion Ratio Lower Upper

96 100

61 133.1 143.8 215.8#

98 21.6 50.3 75.5#



Abundance Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO

4000

3000

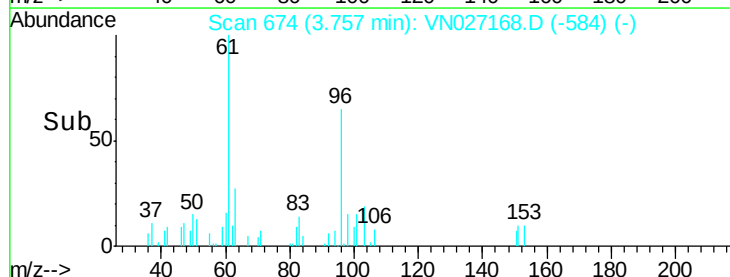
2000

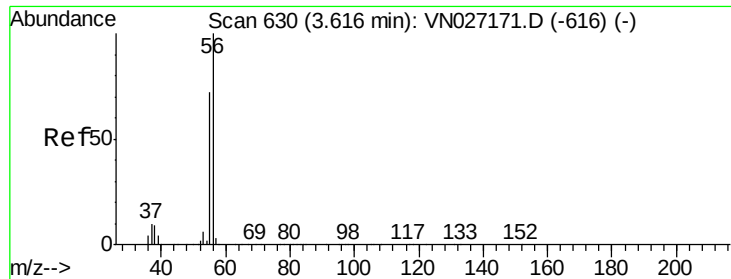
1000

0

3.72 3.74 3.76

Time-->





#14

Acrolein

Concen: 1.38 ug/l

RT: 3.62 min Scan# 632

Delta R.T. 0.01 min

Lab File: VN027168.D

Acq: 15 Sep 2015 15:29

Instrument :

MSVOA_N

ClientSampleId :

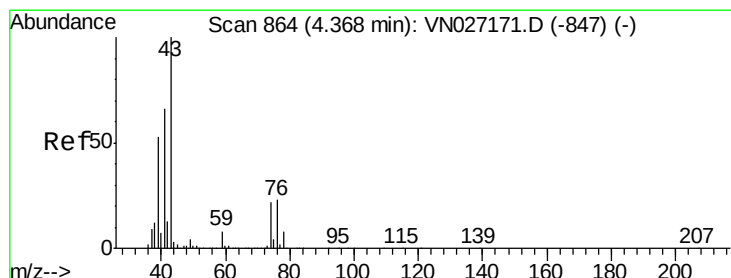
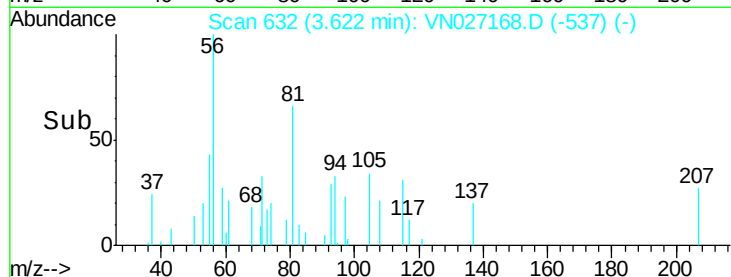
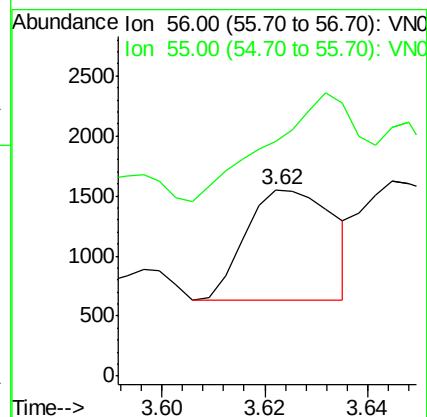
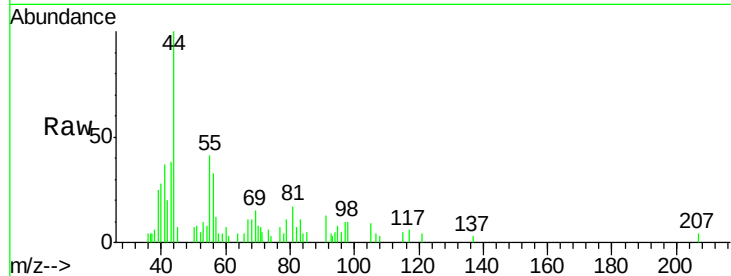
VSTDIC001

Tot Ion: 56 Resp: 1086

Ion Ratio Lower Upper

56 100

55 102.8 55.7 83.5#



#15

Allyl chloride

Concen: 0.94 ug/l

RT: 4.37 min Scan# 865

Delta R.T. 0.00 min

Lab File: VN027168.D

Acq: 15 Sep 2015 15:29

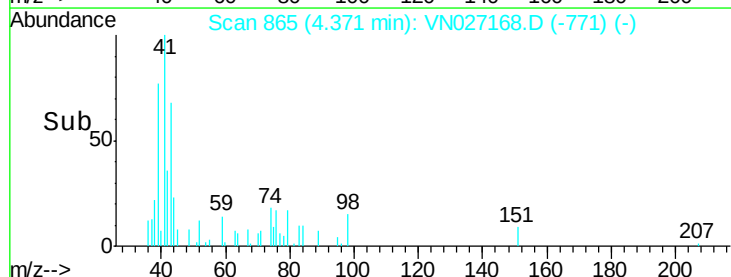
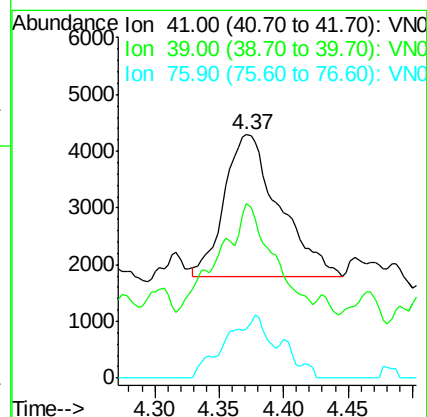
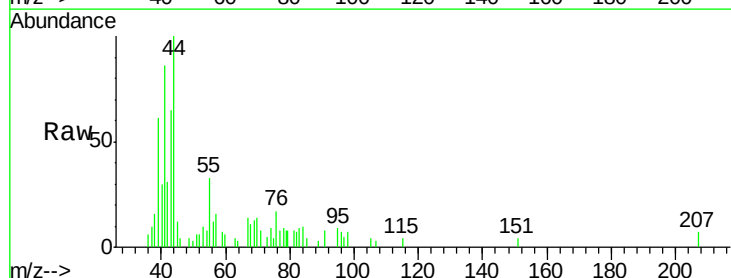
Tgt Ion: 41 Resp: 7376

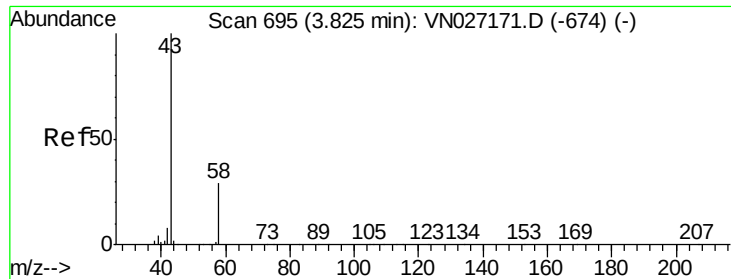
Ion Ratio Lower Upper

41 100

39 51.8 49.7 74.5

76 34.5 24.8 37.2





#17

Acetone

Concen: 0.65 ug/l

RT: 3.79 min Scan# 683

Delta R.T. -0.04 min

Lab File: VN027168.D

Acq: 15 Sep 2015 15:29

Instrument :

MSVOA_N

ClientSampleId :

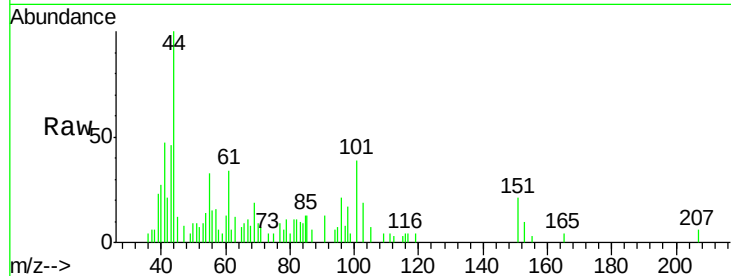
VSTDIC001

Tot Ion: 43 Resp: 1219

Ion Ratio Lower Upper

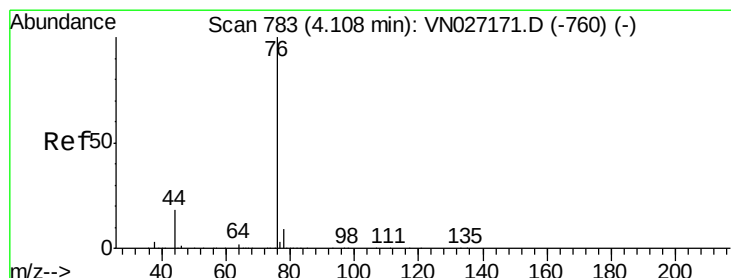
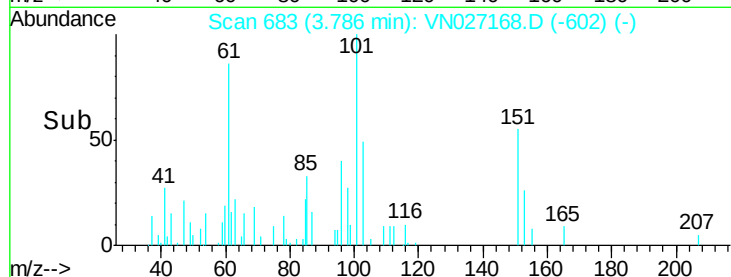
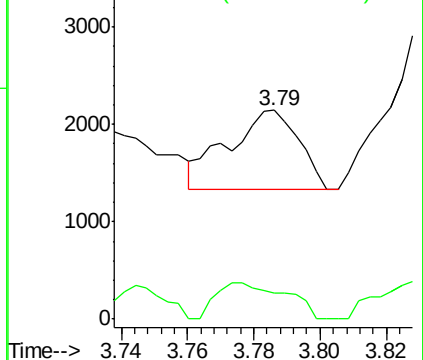
43 100

58 32.4 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Carbon Disulfide

Concen: 0.93 ug/l

RT: 4.11 min Scan# 783

Delta R.T. 0.00 min

Lab File: VN027168.D

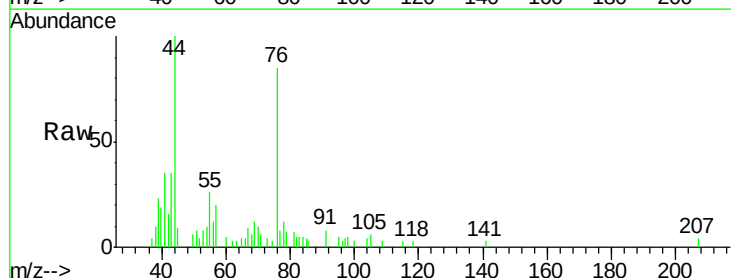
Acq: 15 Sep 2015 15:29

Tgt Ion: 76 Resp: 13395

Ion Ratio Lower Upper

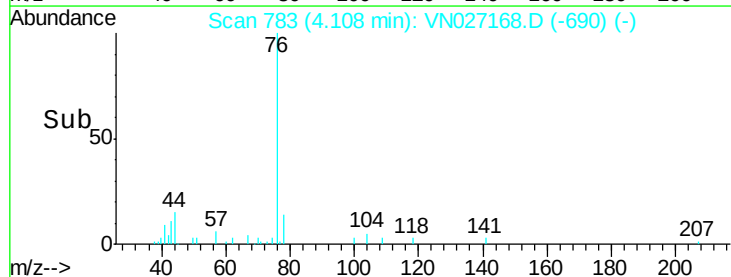
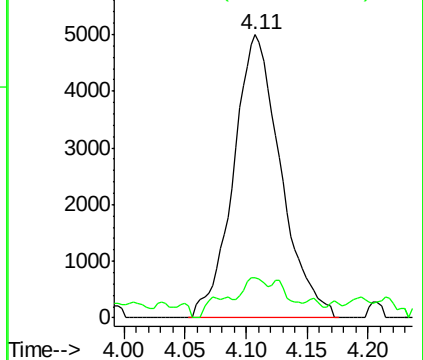
76 100

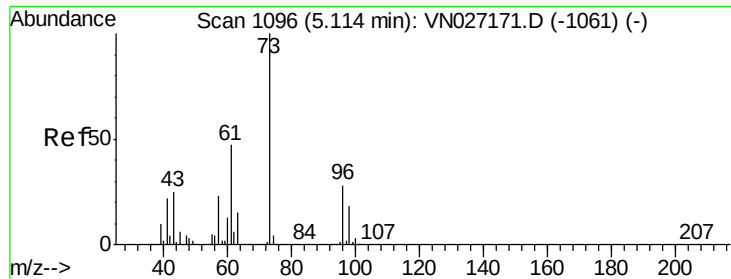
78 9.9 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0





#20

Methyl tert-butyl Ether

Concen: 0.39 ug/l

RT: 5.11 min Scan# 1095

Delta R.T. -0.00 min

Lab File: VN027168.D

Acq: 15 Sep 2015 15:29

Instrument :

MSVOA_N

ClientSampled :

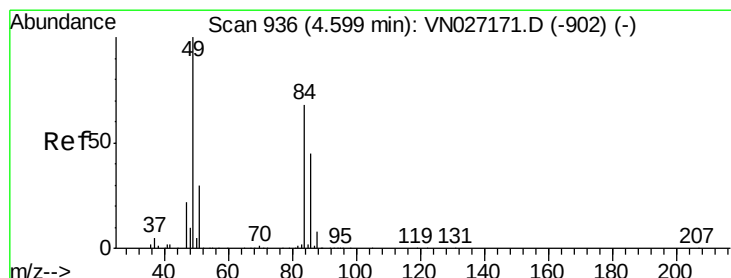
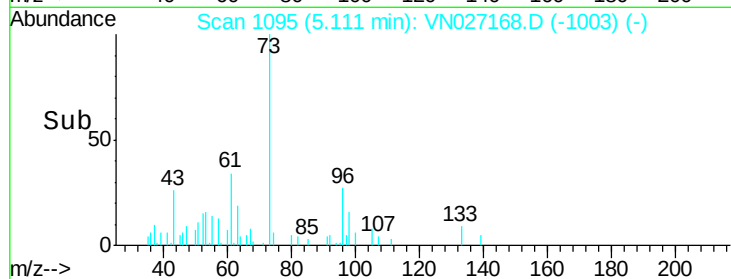
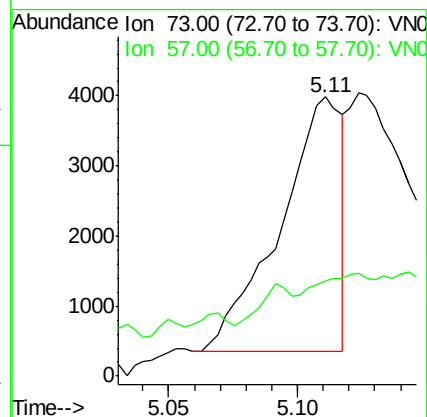
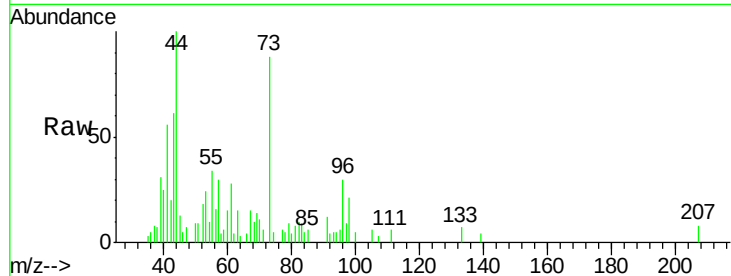
VSTDIC001

Tot Ion: 73 Resp: 6074

Ion Ratio Lower Upper

73 100

57 17.1 19.8 29.6#



#21

Methylene Chloride

Concen: 0.80 ug/l

RT: 4.60 min Scan# 936

Delta R.T. 0.00 min

Lab File: VN027168.D

Acq: 15 Sep 2015 15:29

Tgt Ion: 84 Resp: 4480

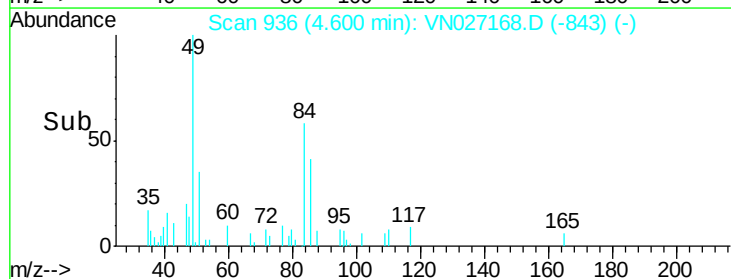
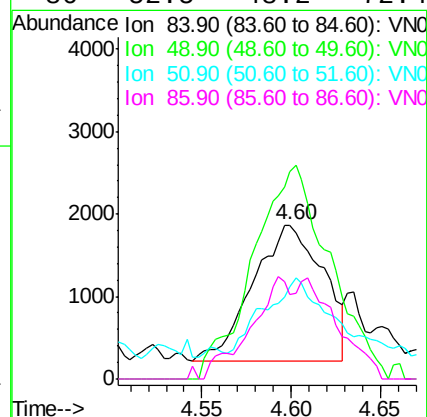
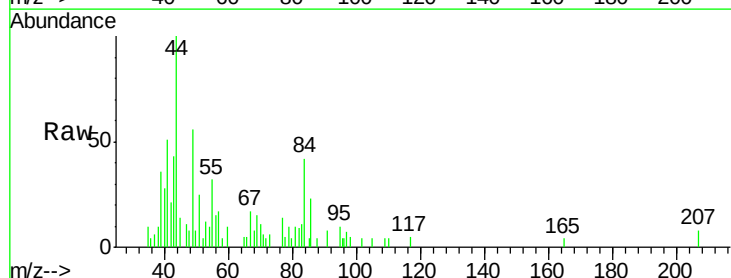
Ion Ratio Lower Upper

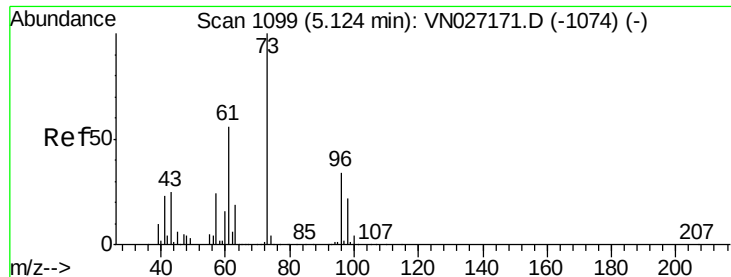
84 100

49 153.1 112.3 168.5

51 52.6 33.8 50.8#

86 52.5 48.2 72.4





#22

trans-1,2-Dichloroethene

Concen: 0.66 ug/l

RT: 5.12 min Scan# 1098

Delta R.T. -0.00 min

Lab File: VN027168.D

Acq: 15 Sep 2015 15:29

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

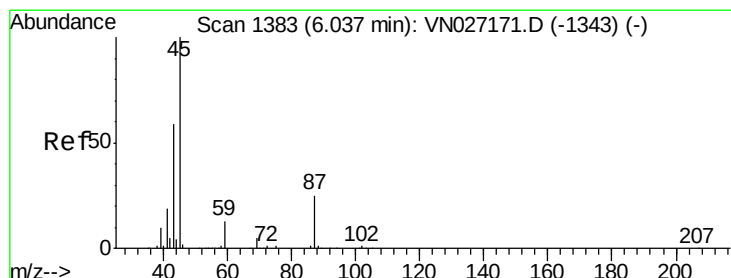
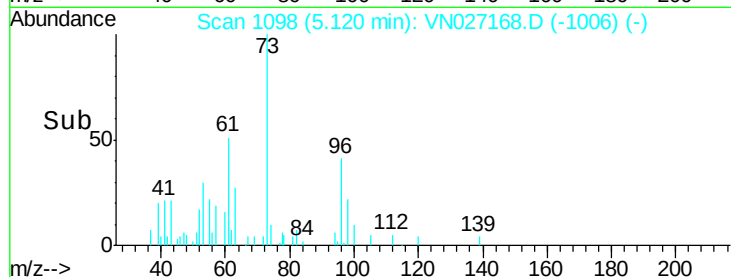
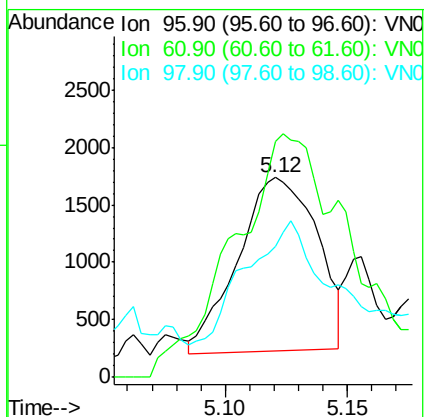
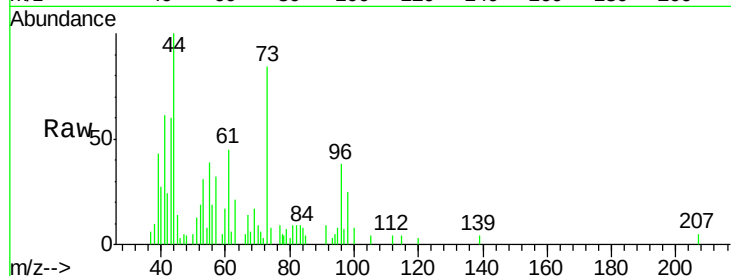
Tot Ion: 96 Resp: 3407

Ion Ratio Lower Upper

96 100

61 119.0 126.6 189.8#

98 59.7 47.4 71.2



#23

Diisopropyl ether

Concen: 1.00 ug/l

RT: 6.03 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VN027168.D

Acq: 15 Sep 2015 15:29

Tgt Ion: 45 Resp: 16904

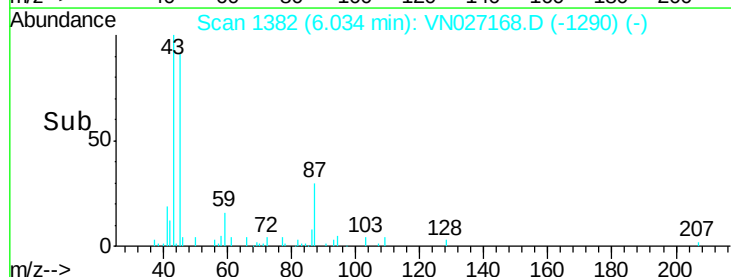
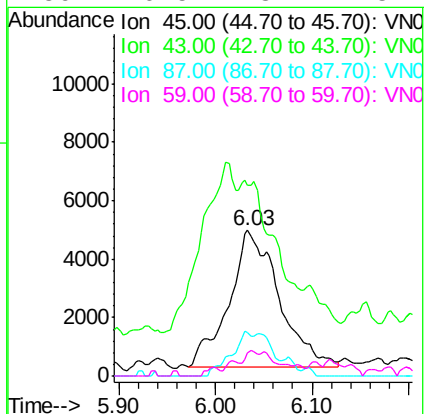
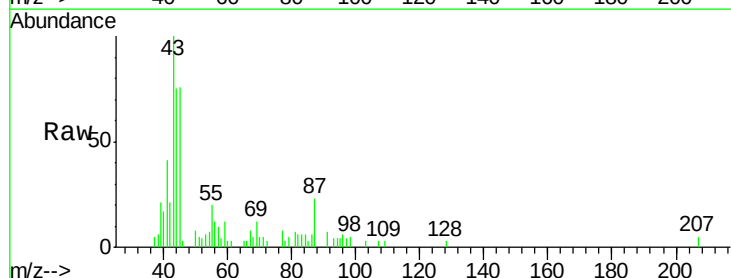
Ion Ratio Lower Upper

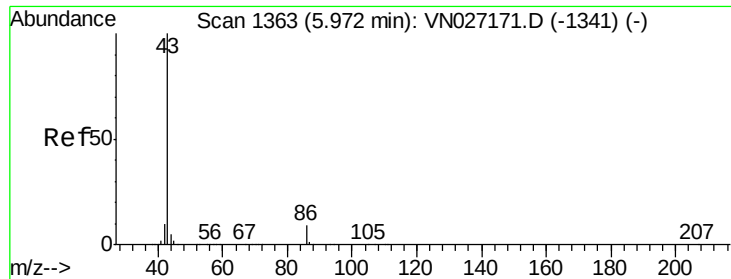
45 100

43 100.7 41.0 61.6#

87 32.0 17.5 26.3#

59 16.5 8.7 13.1#





#24

Vinyl Acetate

Concen: 2.89 ug/l

RT: 6.01 min Scan# 1375

Delta R.T. 0.04 min

Lab File: VN027168.D

Acq: 15 Sep 2015 15:29

Instrument :

MSVOA_N

ClientSampleId :

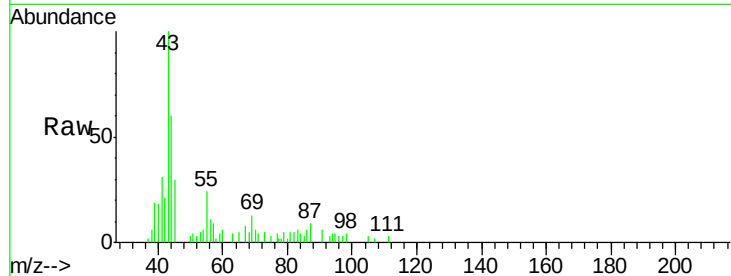
VSTDIC001

Tot Ion: 43 Resp: 14672

Ion Ratio Lower Upper

43 100

86 7.0 6.9 10.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

6.01

8000

6000

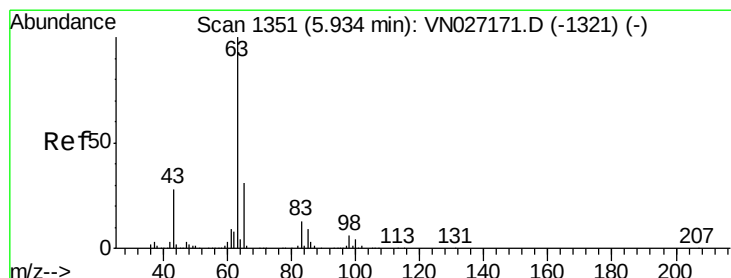
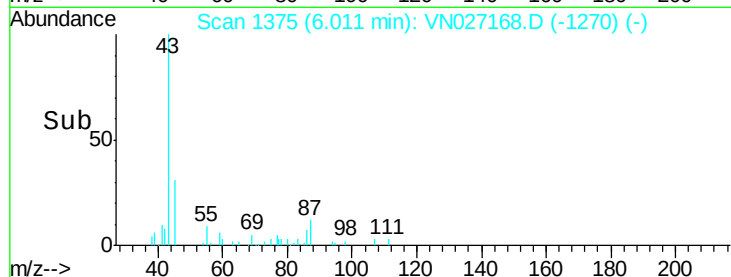
4000

2000

0

Time-->

5.95 6.00 6.05



#25

1,1-Dichloroethane

Concen: 1.06 ug/l

RT: 5.93 min Scan# 1351

Delta R.T. 0.00 min

Lab File: VN027168.D

Acq: 15 Sep 2015 15:29

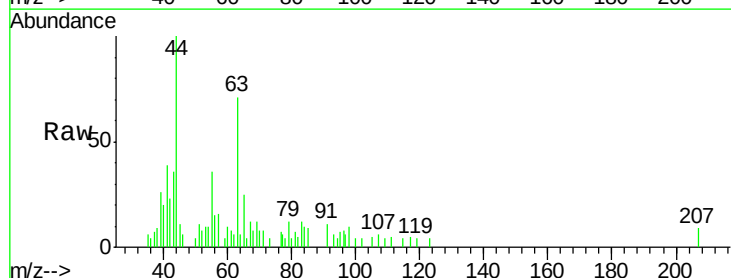
Tgt Ion: 63 Resp: 10122

Ion Ratio Lower Upper

63 100

98 3.6 2.8 8.3

100 5.9 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

4000

3000

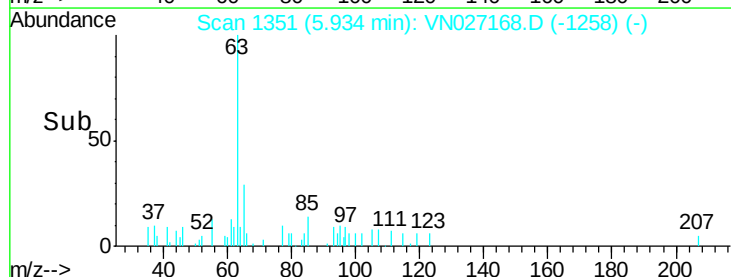
2000

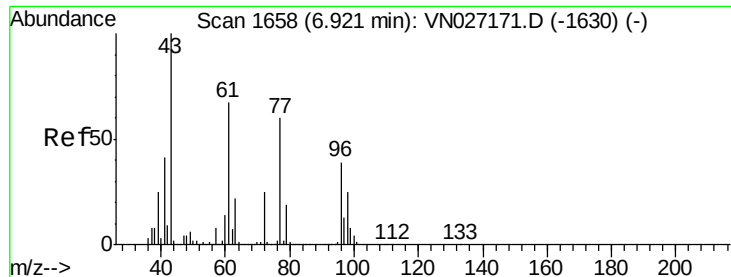
1000

0

Time-->

5.85 5.90 5.95 6.00

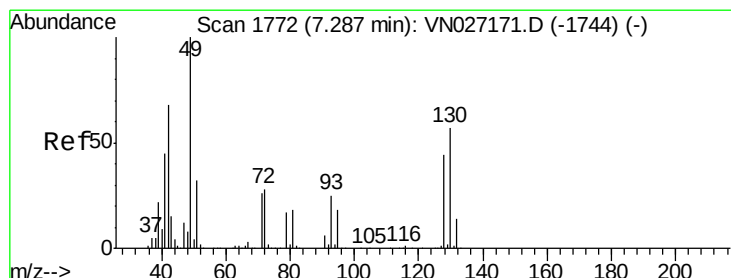
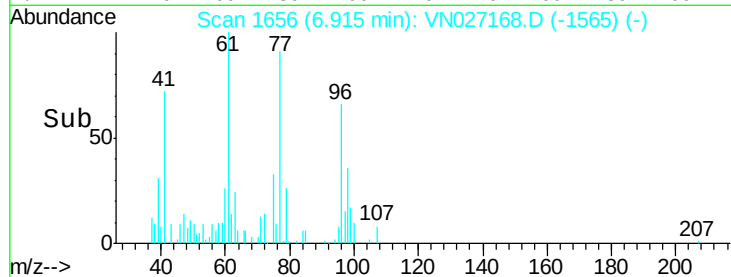
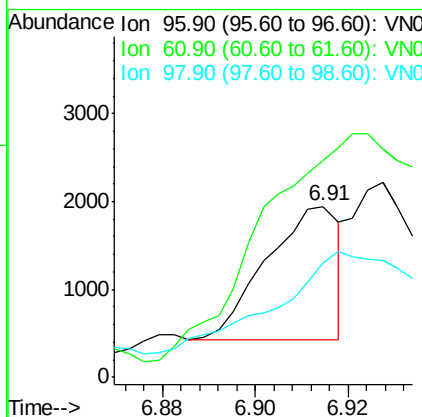
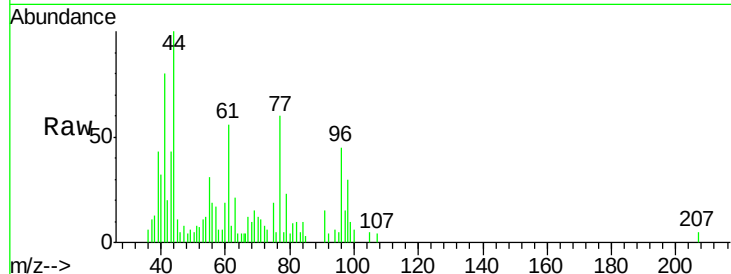




#28
 cis-1,2-Dichloroethene
 Concen: 0.27 ug/l
 RT: 6.91 min Scan# 1656
 Delta R.T. -0.01 min
 Lab File: VN027168.D
 Acq: 15 Sep 2015 15:29

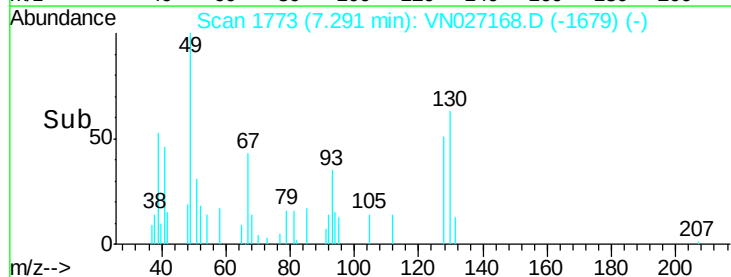
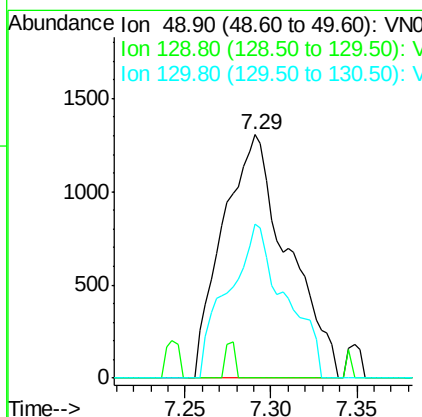
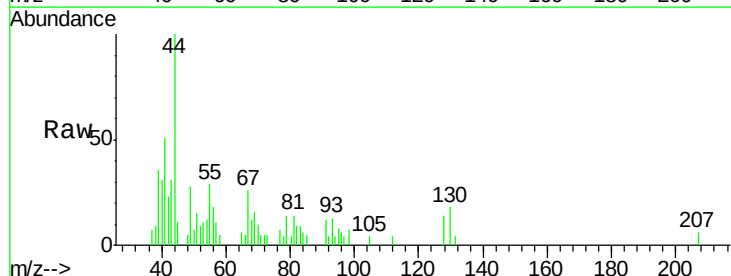
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

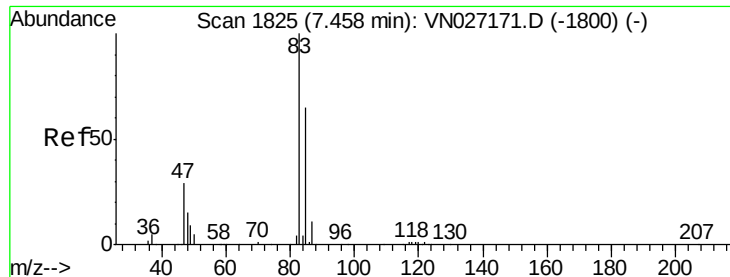
Tot Ion: 96 Resp: 1654
 Ion Ratio Lower Upper
 96 100
 61 524.7 0.0 329.2#
 98 192.9 0.0 126.0#



#29
 Bromochloromethane
 Concen: 0.74 ug/l
 RT: 7.29 min Scan# 1773
 Delta R.T. 0.00 min
 Lab File: VN027168.D
 Acq: 15 Sep 2015 15:29

Tgt Ion: 49 Resp: 3435
 Ion Ratio Lower Upper
 49 100
 129 2.1 0.0 3.2
 130 55.4 43.2 64.8





#31

Chloroform

Concen: 1.02 ug/l

RT: 7.46 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN027168.D

Acq: 15 Sep 2015 15:29

Instrument :

MSVOA_N

ClientSampleId :

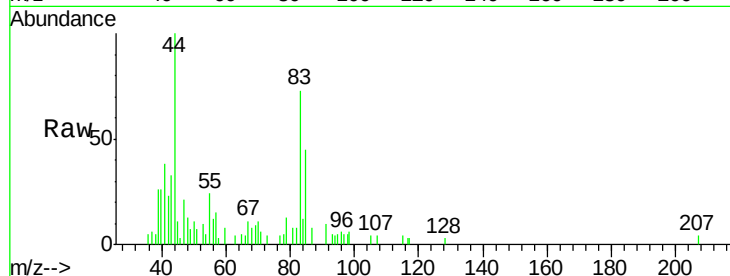
VSTDIC001

Tot Ion: 83 Resp: 9845

Ion Ratio Lower Upper

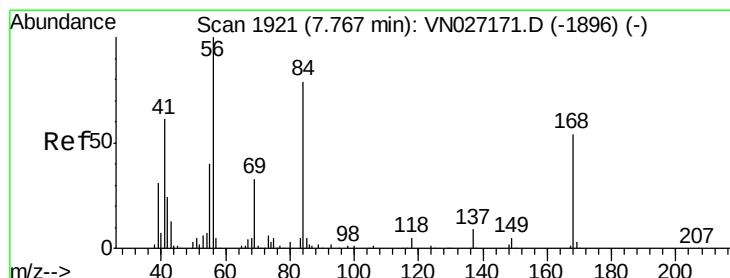
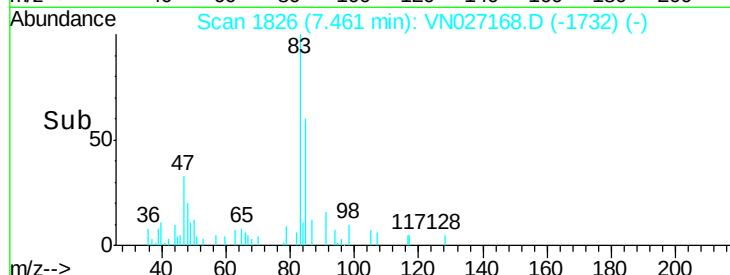
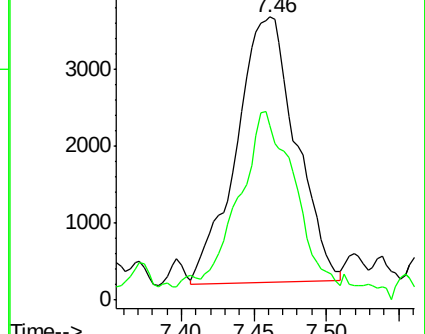
83 100

85 60.6 51.1 76.7



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0



#32

Cyclohexane

Concen: 2.17 ug/l

RT: 7.75 min Scan# 1917

Delta R.T. -0.01 min

Lab File: VN027168.D

Acq: 15 Sep 2015 15:29

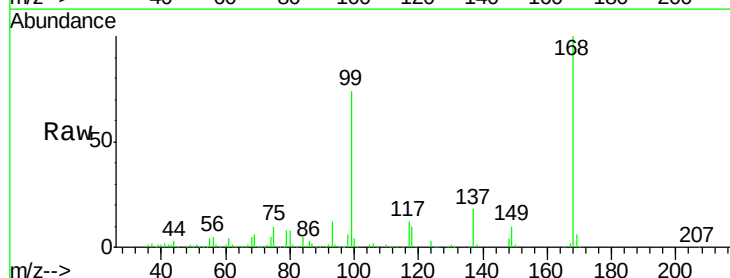
Tgt Ion: 56 Resp: 24405

Ion Ratio Lower Upper

56 100

69 117.9 23.0 34.4#

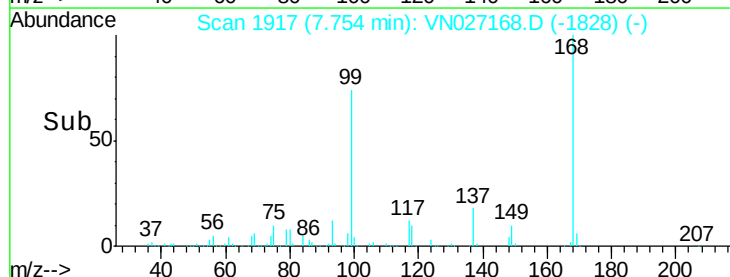
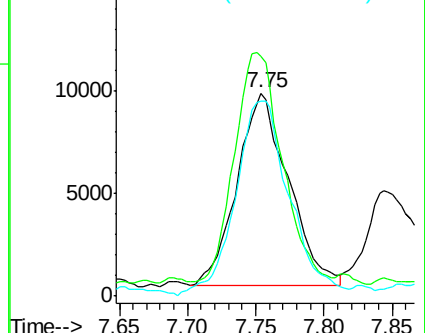
84 97.5 57.8 86.8#

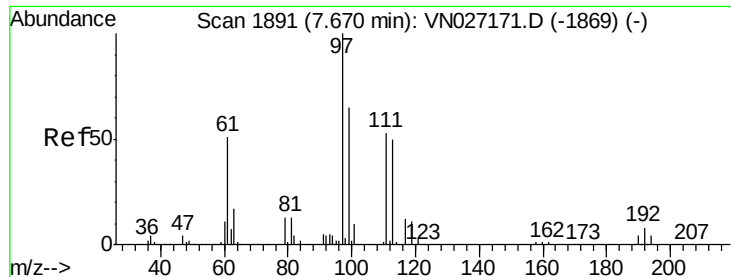


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

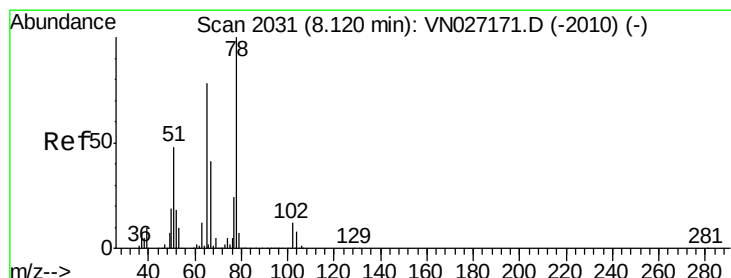
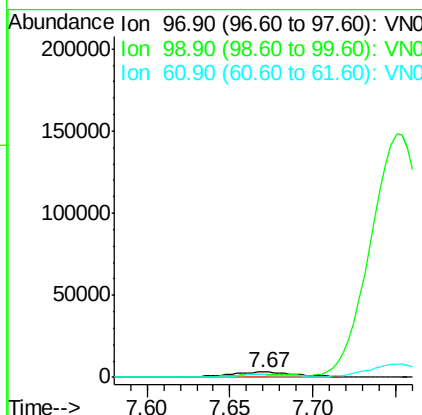
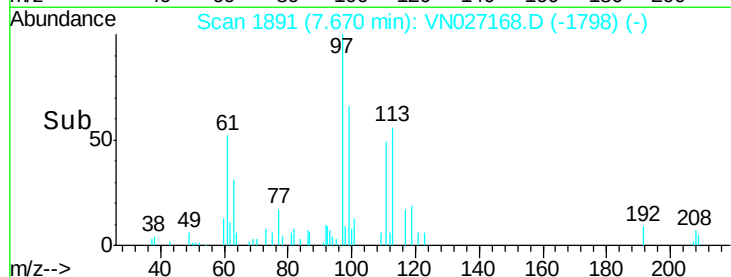
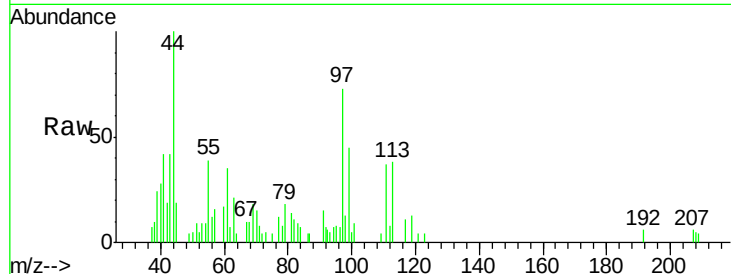




#33
 1,1,1-Trichloroethane
 Concen: 0.87 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. 0.00 min
 Lab File: VN027168.D
 Acq: 15 Sep 2015 15:29

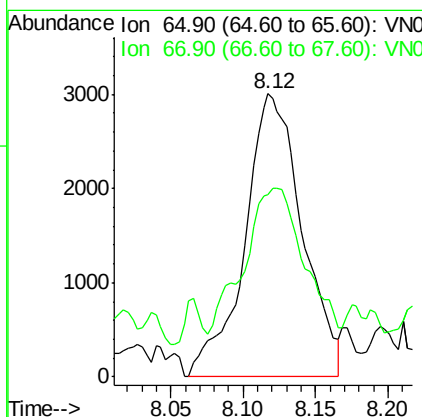
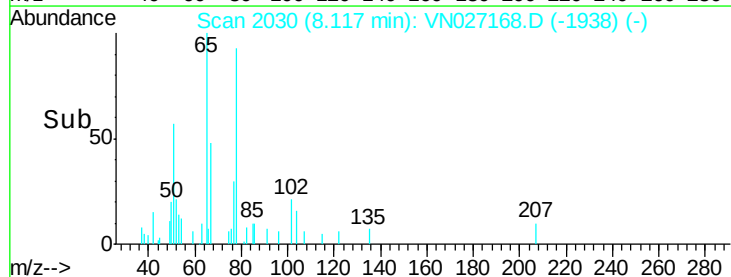
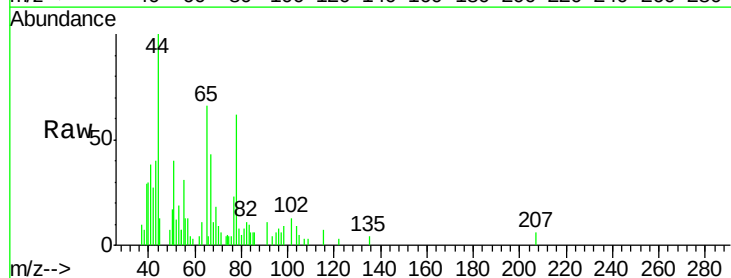
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

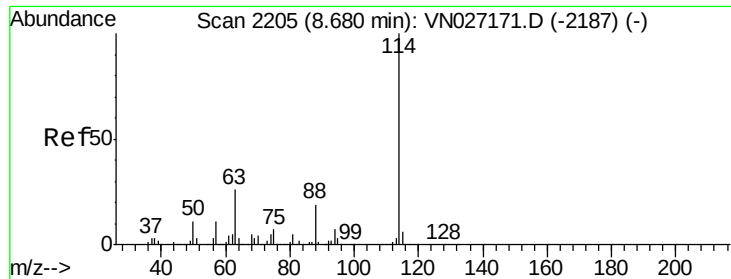
Tot Ion: 97 Resp: 7158
 Ion Ratio Lower Upper
 97 100
 99 0.0 50.1 75.1#
 61 49.2 44.0 66.0



#34
 1,2-Dichloroethane-d4
 Concen: 1.31 ug/l
 RT: 8.12 min Scan# 2030
 Delta R.T. -0.00 min
 Lab File: VN027168.D
 Acq: 15 Sep 2015 15:29

Tgt Ion: 65 Resp: 8307
 Ion Ratio Lower Upper
 65 100
 67 52.9 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: VN027168.D

Acq: 15 Sep 2015 15:29

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

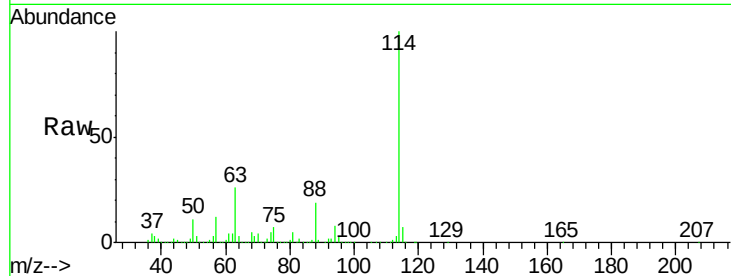
Tot Ion:114 Resp: 877070

Ion Ratio Lower Upper

114 100

63 25.9 0.0 48.8

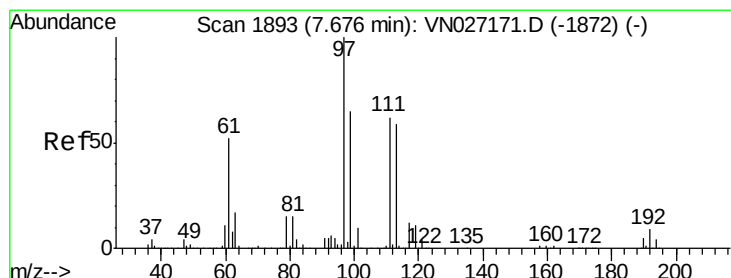
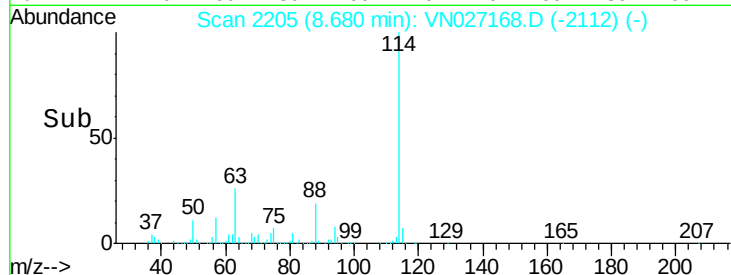
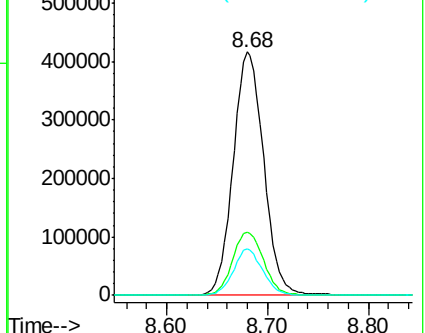
88 19.1 0.0 32.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#36

Dibromofluoromethane

Concen: 0.98 ug/l

RT: 7.68 min Scan# 1893

Delta R.T. 0.00 min

Lab File: VN027168.D

Acq: 15 Sep 2015 15:29

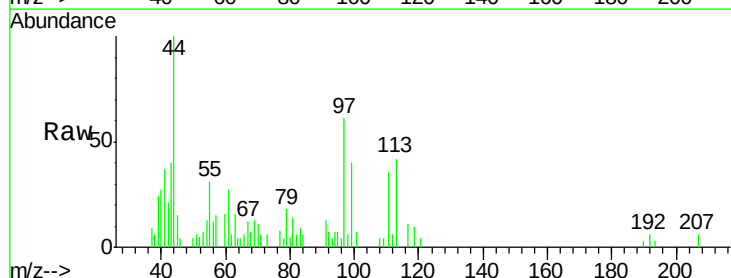
Tgt Ion:113 Resp: 5258

Ion Ratio Lower Upper

113 100

111 64.1 83.0 124.4#

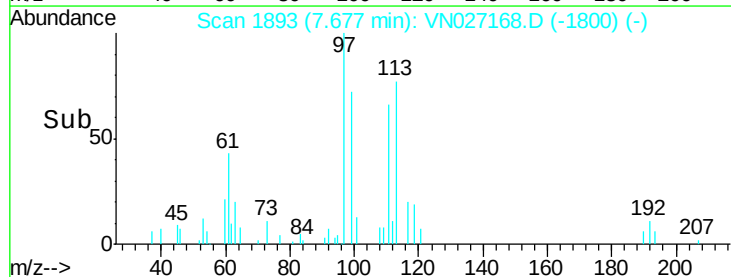
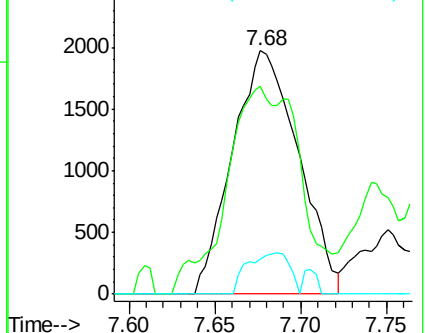
192 10.7 14.1 21.1#

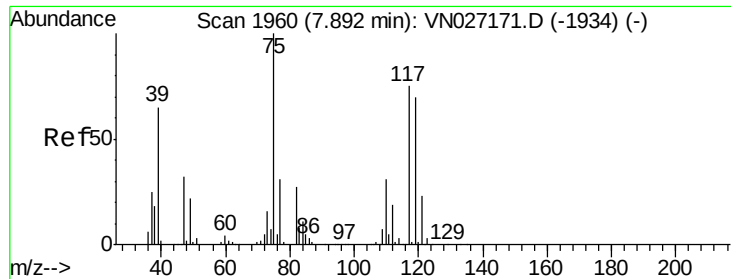


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

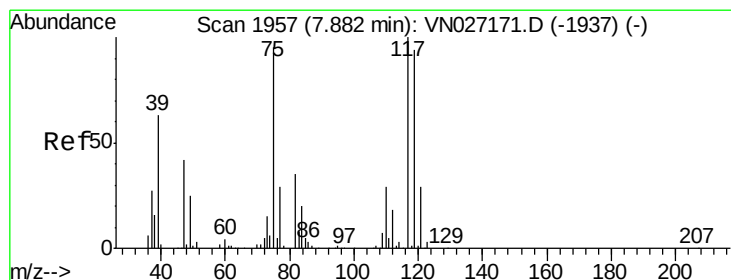
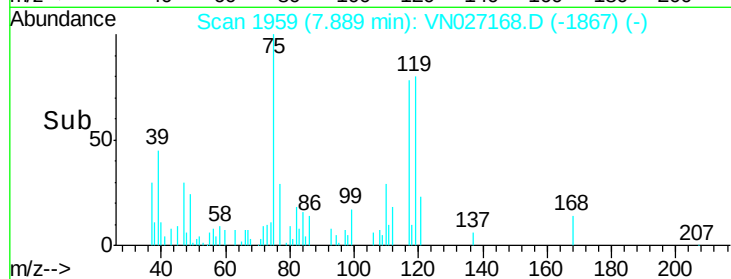
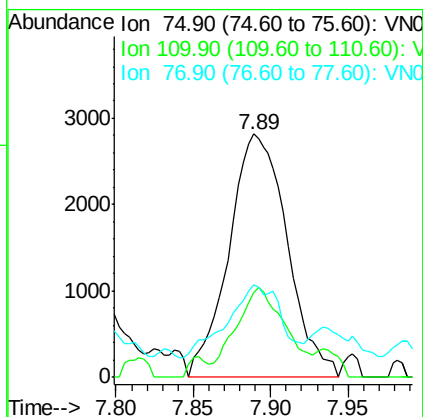
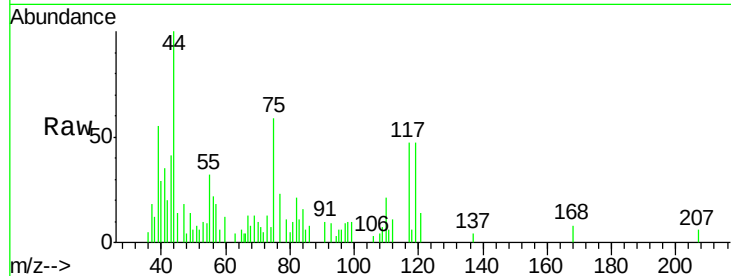




#37
 1,1-Dichloropropene
 Concen: 0.89 ug/l
 RT: 7.89 min Scan# 1959
 Delta R.T. -0.00 min
 Lab File: VN027168.D
 Acq: 15 Sep 2015 15:29

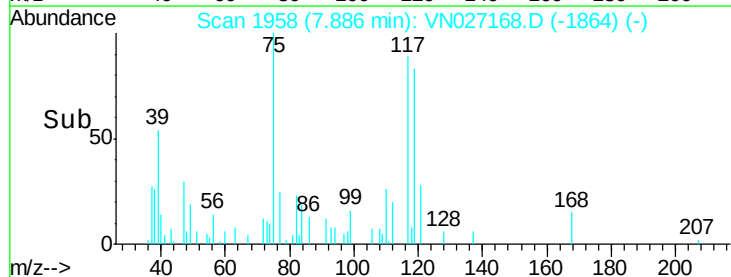
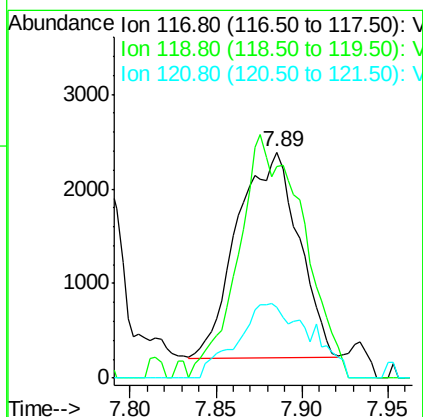
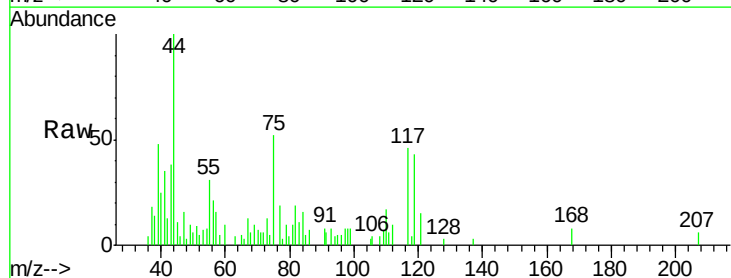
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

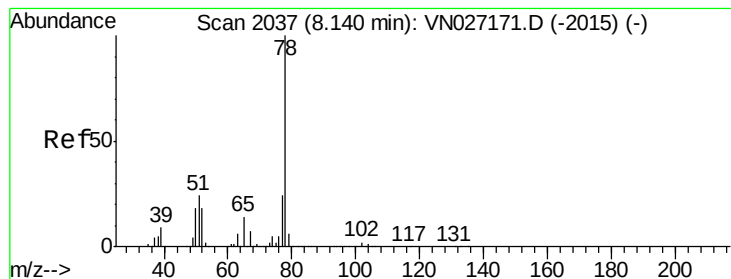
Tot Ion	Ratio	Lower	Upper
75	100		
110	23.6	15.9	47.7
77	27.7	24.9	37.3



#39
 Carbon Tetrachloride
 Concen: 0.70 ug/l
 RT: 7.89 min Scan# 1958
 Delta R.T. 0.00 min
 Lab File: VN027168.D
 Acq: 15 Sep 2015 15:29

Tgt Ion	Ratio	Lower	Upper
117	100		
119	103.2	75.3	112.9
121	34.7	23.8	35.8





#41

Benzene

Concen: 0.76 ug/l

RT: 8.14 min Scan# 2038

Delta R.T. 0.00 min

Lab File: VN027168.D

Acq: 15 Sep 2015 15:29

Instrument :

MSVOA_N

ClientSampleId :

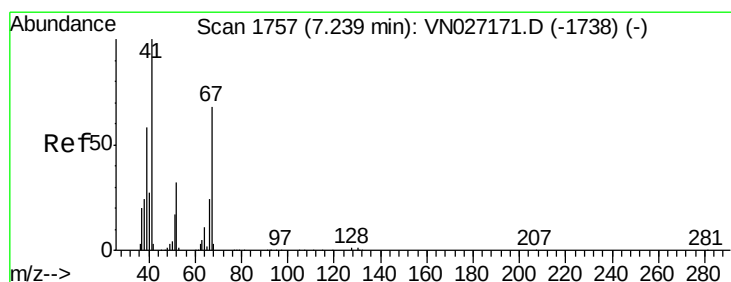
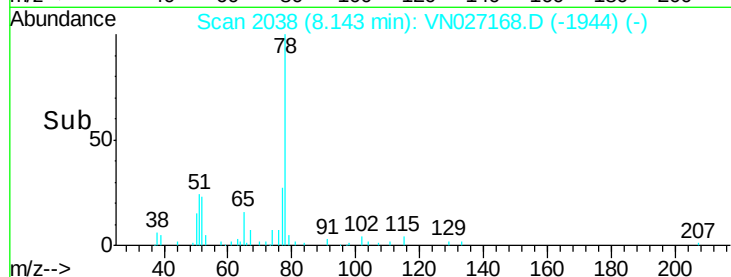
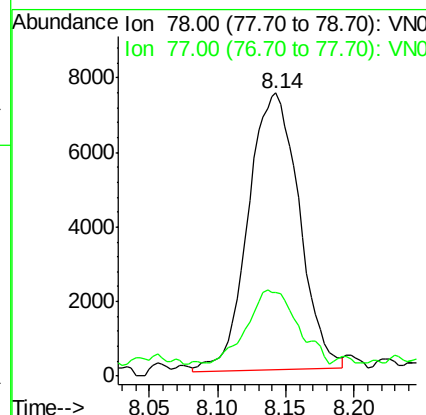
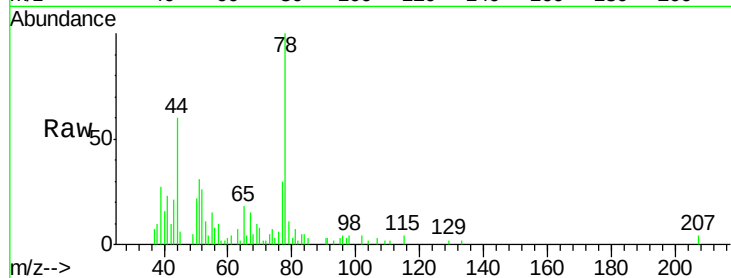
VSTDIC001

Tot Ion: 78 Resp: 19191

Ion Ratio Lower Upper

78 100

77 24.9 19.0 28.4



#42

Methacrylonitrile

Concen: 0.32 ug/l

RT: 7.25 min Scan# 1760

Delta R.T. 0.01 min

Lab File: VN027168.D

Acq: 15 Sep 2015 15:29

Tgt Ion: 41 Resp: 1205

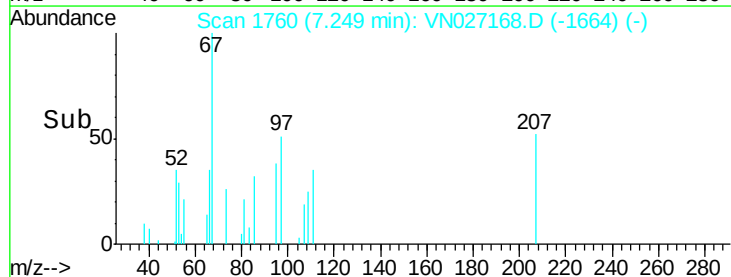
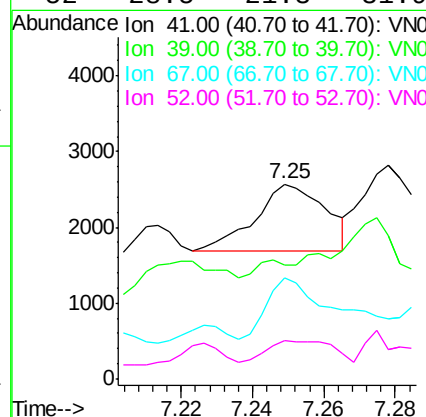
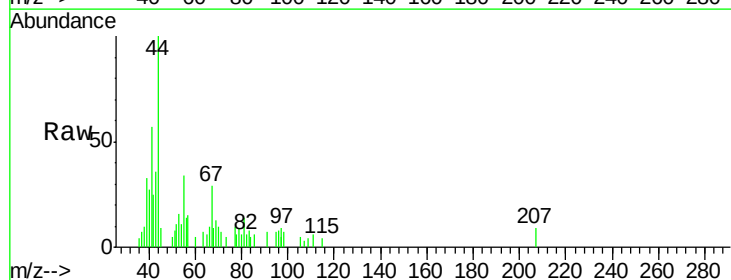
Ion Ratio Lower Upper

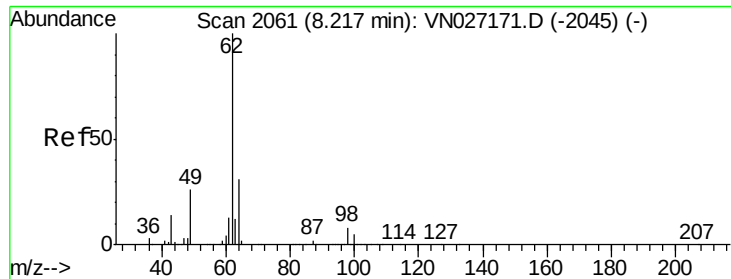
41 100

39 19.8 43.0 64.6#

67 91.6 52.2 78.2#

52 28.5 21.3 31.9

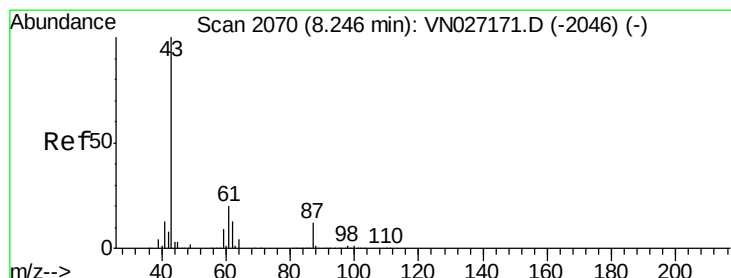
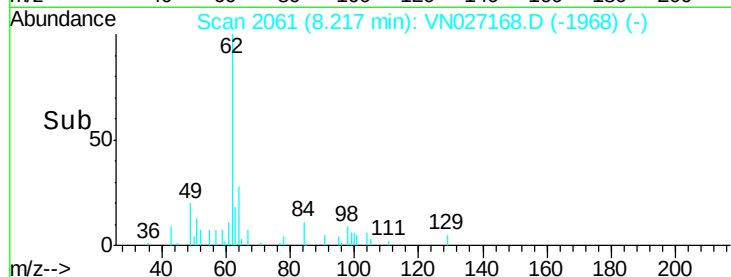
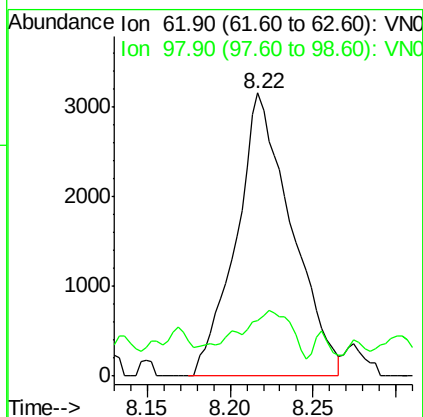
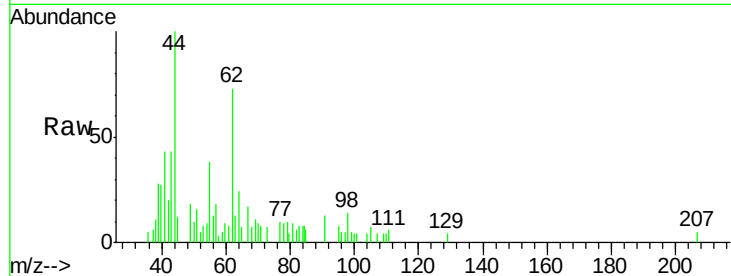




#43
 1,2-Dichloroethane
 Concen: 0.84 ug/l
 RT: 8.22 min Scan# 2061
 Delta R.T. 0.00 min
 Lab File: VN027168.D
 Acq: 15 Sep 2015 15:29

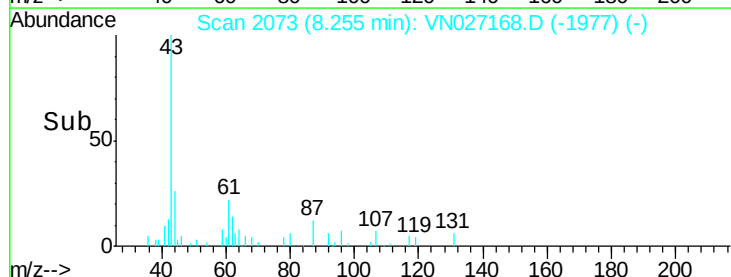
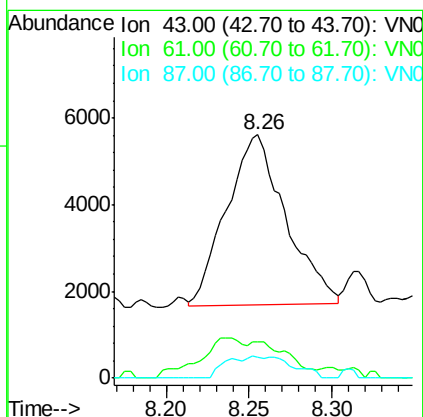
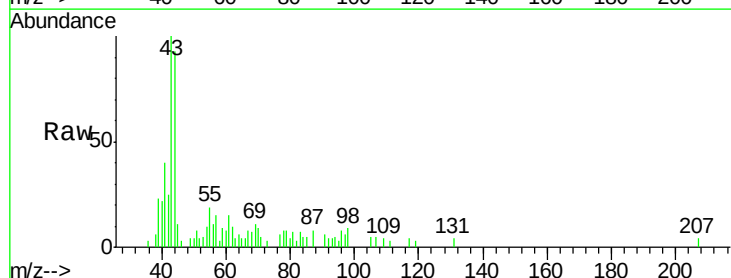
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

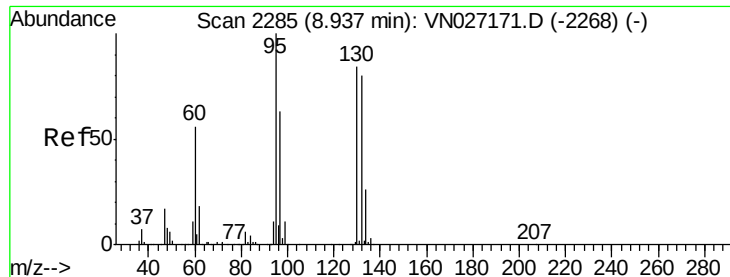
Tot Ion: 62 Resp: 7339
 Ion Ratio Lower Upper
 62 100
 98 15.0 0.0 18.0



#44
 Isopropyl Acetate
 Concen: 0.93 ug/l
 RT: 8.26 min Scan# 2073
 Delta R.T. 0.01 min
 Lab File: VN027168.D
 Acq: 15 Sep 2015 15:29

Tgt Ion: 43 Resp: 9788
 Ion Ratio Lower Upper
 43 100
 61 0.0 20.6 31.0#
 87 1.1 8.6 13.0#





#45

Trichloroethene

Concen: 0.63 ug/l

RT: 8.94 min Scan# 2286

Delta R.T. 0.00 min

Lab File: VN027168.D

Acq: 15 Sep 2015 15:29

Instrument :

MSVOA_N

ClientSampled :

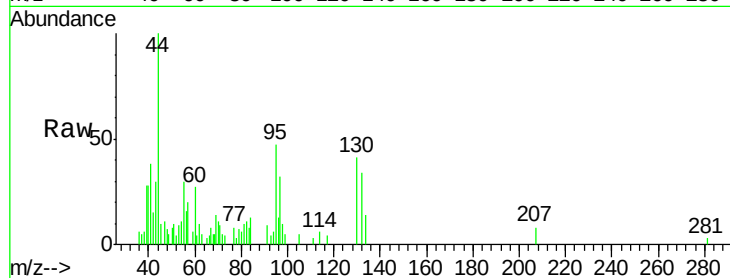
VSTDIC001

Tot Ion:130 Resp: 3882

Ion Ratio Lower Upper

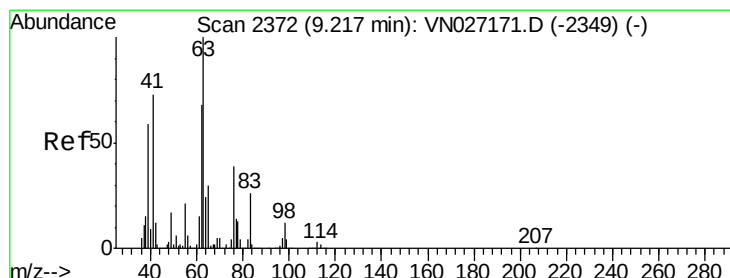
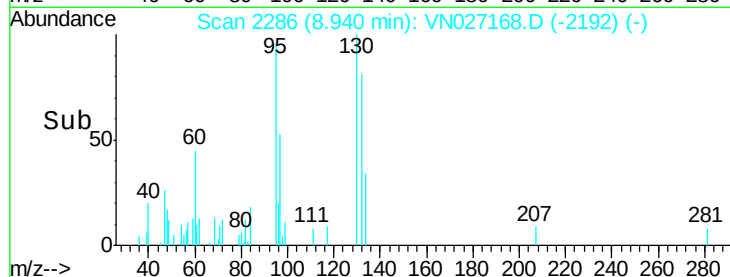
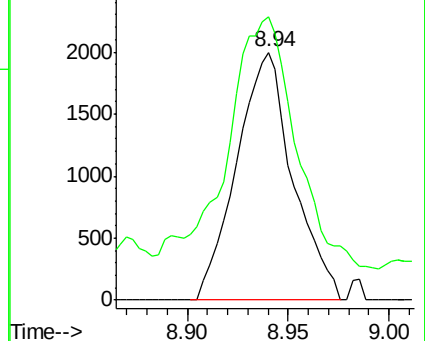
130 100

95 92.2 0.0 222.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN



#46

1,2-Dichloropropane

Concen: 0.51 ug/l

RT: 9.21 min Scan# 2371

Delta R.T. -0.00 min

Lab File: VN027168.D

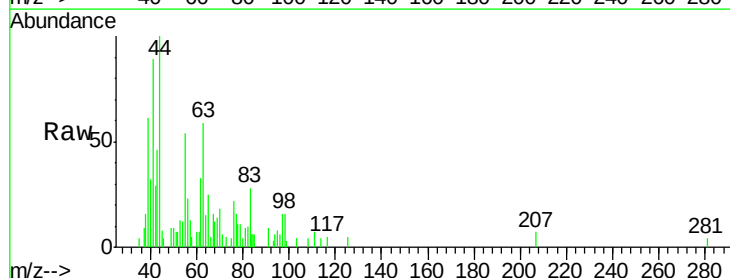
Acq: 15 Sep 2015 15:29

Tgt Ion: 63 Resp: 3386

Ion Ratio Lower Upper

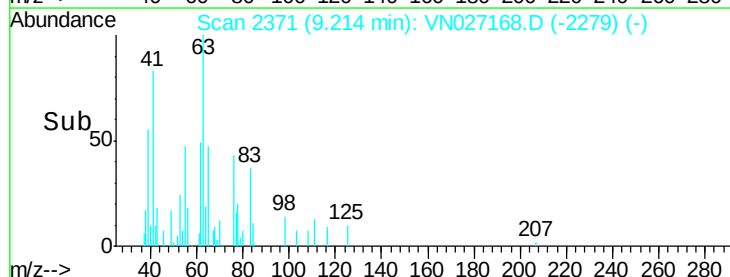
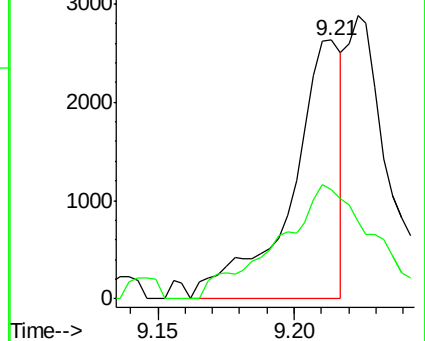
63 100

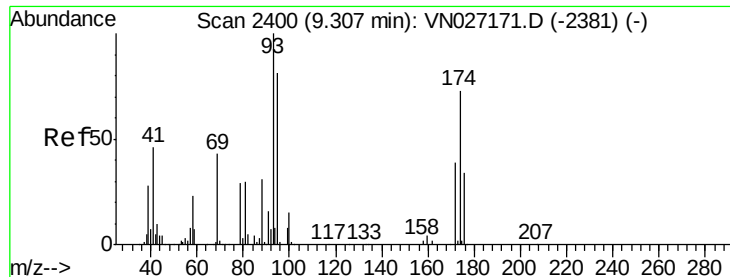
65 42.4 24.4 36.6#



Abundance Ion 62.90 (62.60 to 63.60): VN

Ion 64.90 (64.60 to 65.60): VN





#47

Dibromomethane

Concen: 0.93 ug/l

RT: 9.31 min Scan# 2401

Delta R.T. 0.00 min

Lab File: VN027168.D

Acq: 15 Sep 2015 15:29

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

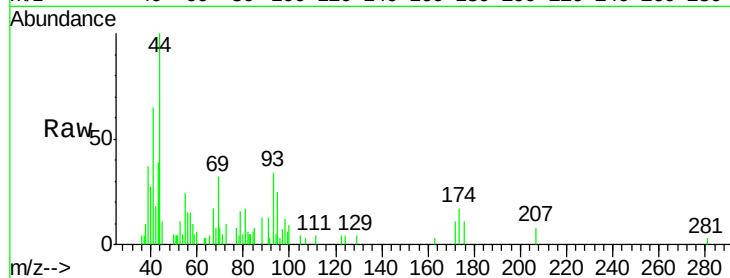
Tot Ion: 93 Resp: 3656

Ion Ratio Lower Upper

93 100

95 55.2 66.3 99.5#

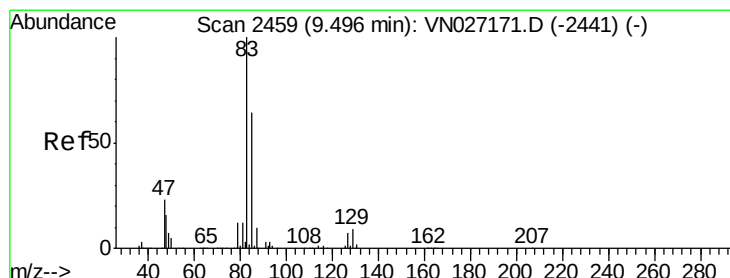
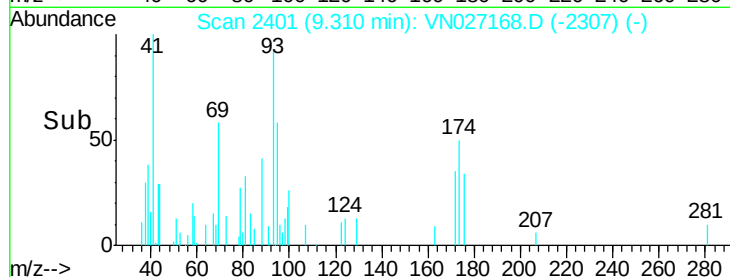
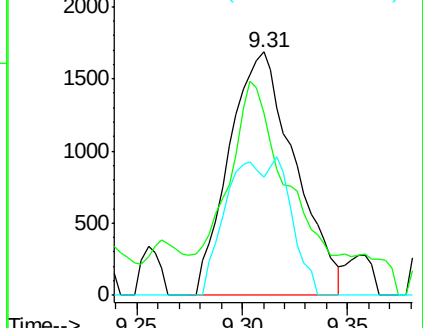
174 33.0 67.8 101.6#



Abundance Ion 92.80 (92.50 to 93.50): VNO

Ion 94.80 (94.50 to 95.50): VNO

Ion 173.70 (173.40 to 174.40): VNO



#48

Bromodichloromethane

Concen: 0.92 ug/l

RT: 9.50 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN027168.D

Acq: 15 Sep 2015 15:29

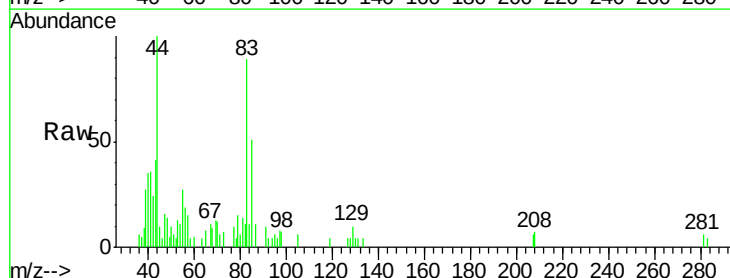
Tgt Ion: 83 Resp: 7524

Ion Ratio Lower Upper

83 100

85 61.9 50.7 76.1

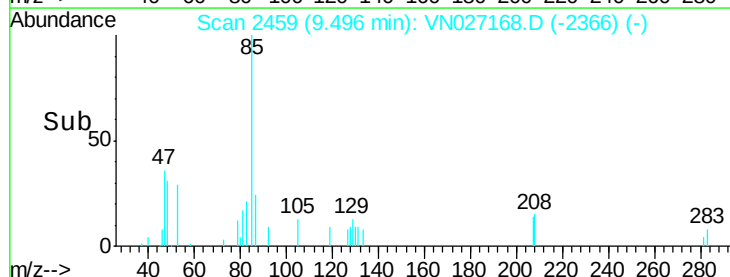
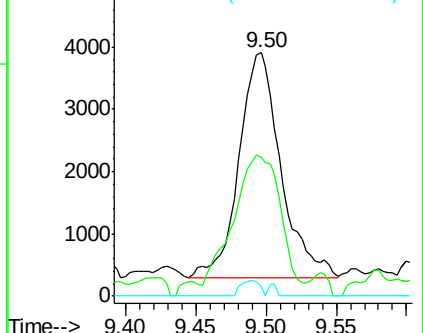
127 4.4 5.5 8.3#

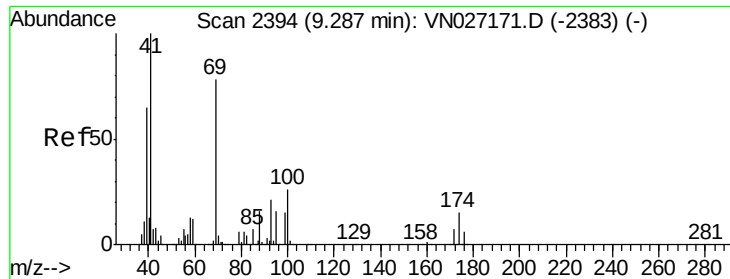


Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 126.80 (126.50 to 127.50): VNO

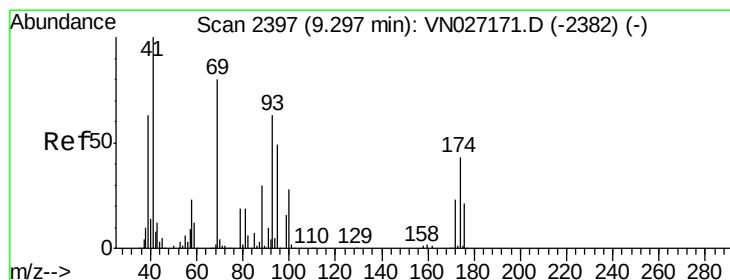
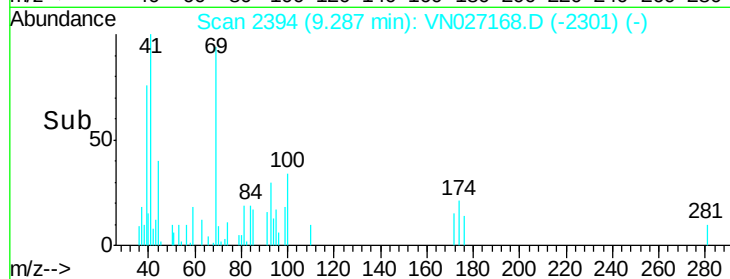
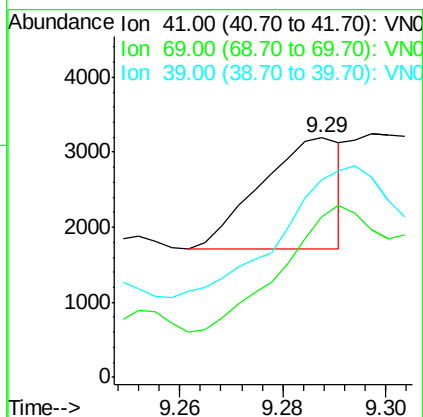
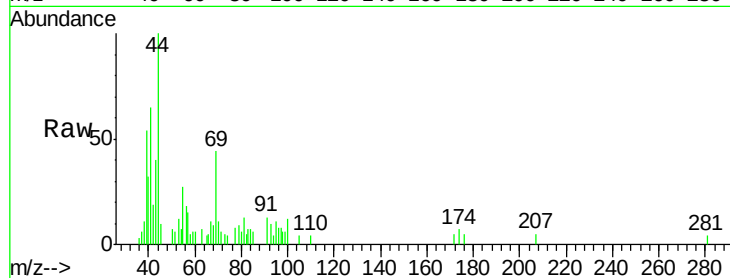




#49
Methvl methacrylate
Concen: 0.30 ug/l
RT: 9.29 min Scan# 2394
Delta R.T. 0.00 min
Lab File: VN027168.D
Acq: 15 Sep 2015 15:29

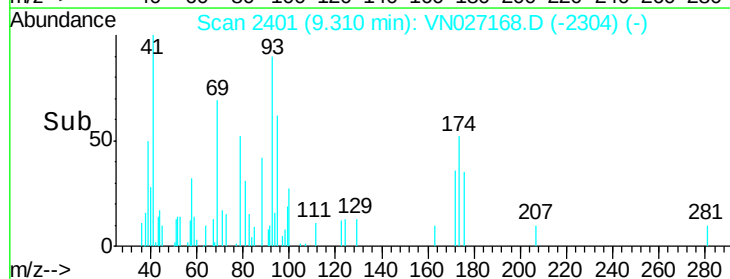
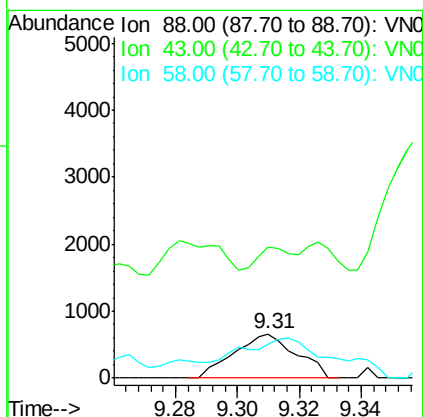
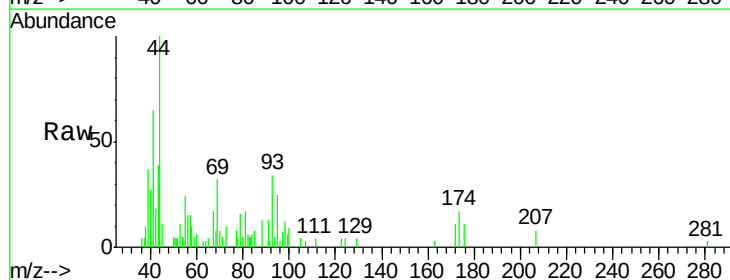
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

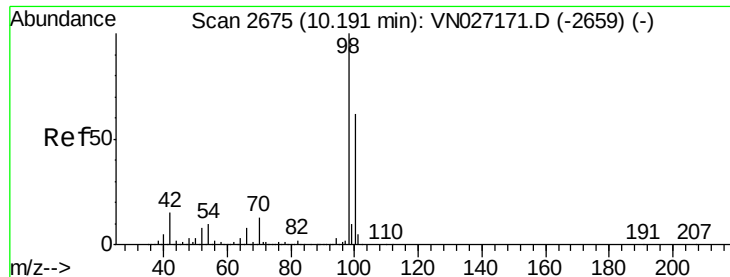
Tot Ion: 41 Resp: 1601
Ion Ratio Lower Upper
41 100
69 213.7 59.3 88.9#
39 210.1 39.5 59.3#



#50
1,4-Dioxane
Concen: 11.88 ug/l
RT: 9.31 min Scan# 2401
Delta R.T. 0.01 min
Lab File: VN027168.D
Acq: 15 Sep 2015 15:29

Tgt Ion: 88 Resp: 919
Ion Ratio Lower Upper
88 100
43 29.8 27.6 41.4
58 135.9 63.1 94.7#





#51

Toluene-d8

Concen: 0.97 ug/l

RT: 10.19 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN027168.D

Acq: 15 Sep 2015 15:29

Instrument :

MSVOA_N

ClientSampleId :

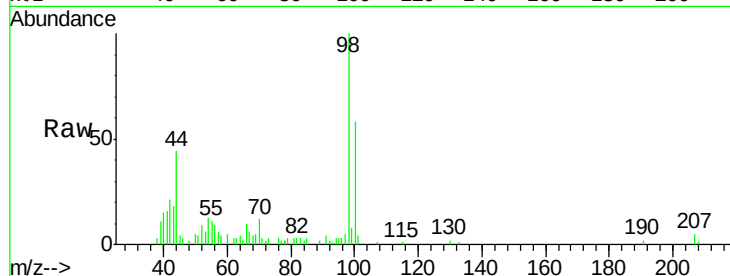
VSTDIC001

Tot Ion: 98 Resp: 20776

Ion Ratio Lower Upper

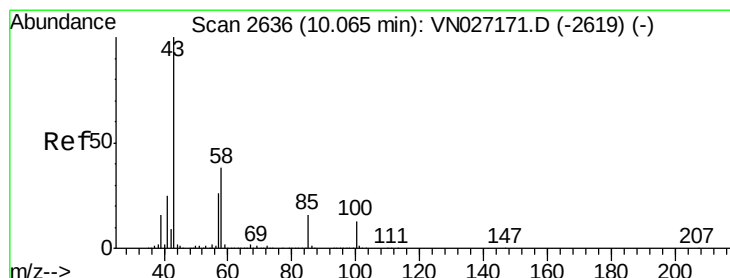
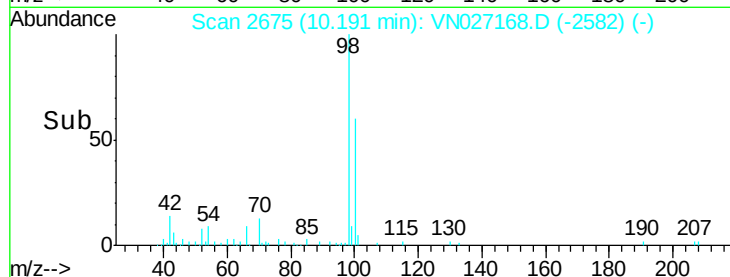
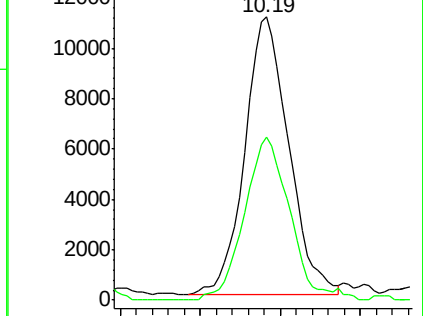
98 100

100 60.5 50.5 75.7



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#52

4-Methyl-2-Pentanone

Concen: 4.49 ug/l

RT: 10.07 min Scan# 2637

Delta R.T. 0.00 min

Lab File: VN027168.D

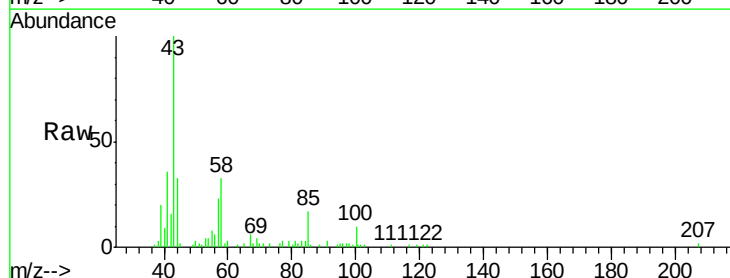
Acq: 15 Sep 2015 15:29

Tgt Ion: 43 Resp: 26913

Ion Ratio Lower Upper

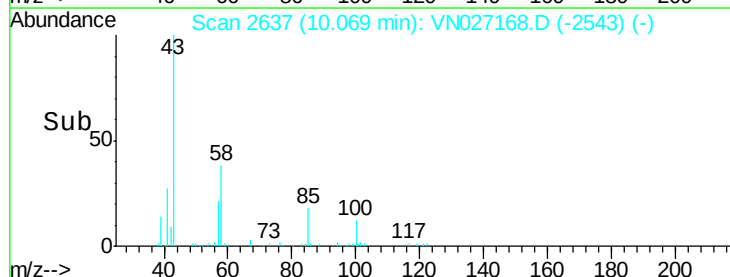
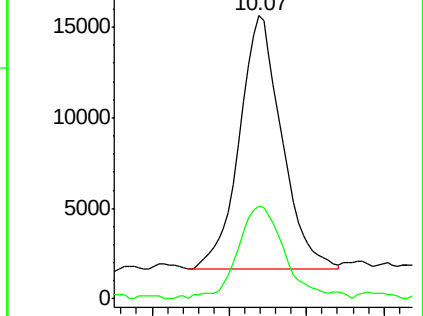
43 100

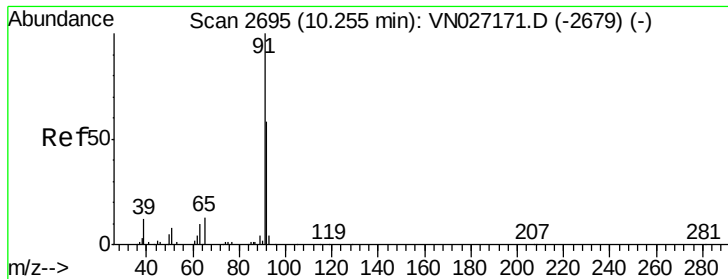
58 39.4 29.8 44.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#53

Toluene

Concen: 0.77 ug/l

RT: 10.26 min Scan# 2696

Delta R.T. 0.00 min

Lab File: VN027168.D

Acq: 15 Sep 2015 15:29

Instrument :

MSVOA_N

ClientSampleId :

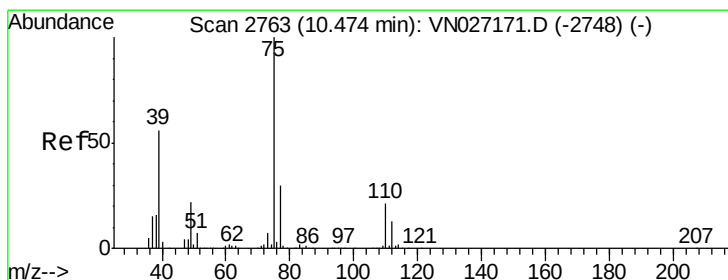
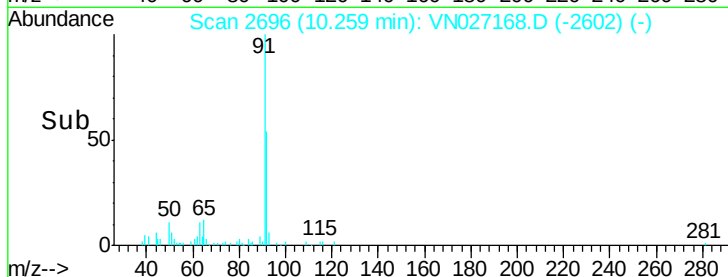
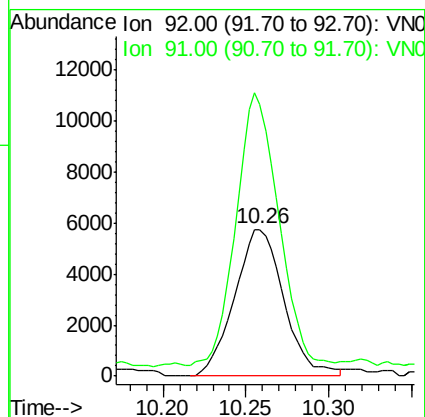
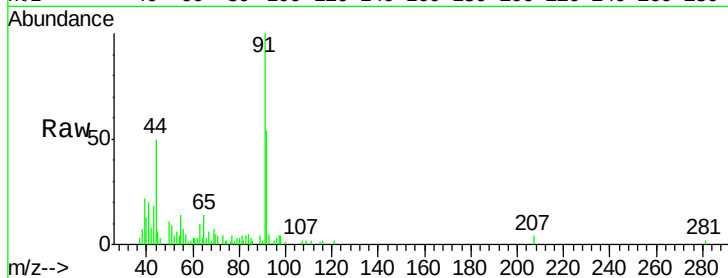
VSTDIC001

Tot Ion: 92 Resp: 11913

Ion Ratio Lower Upper

92 100

91 158.5 141.4 212.2



#54

t-1,3-Dichloropropene

Concen: 0.93 ug/l

RT: 10.48 min Scan# 2765

Delta R.T. 0.01 min

Lab File: VN027168.D

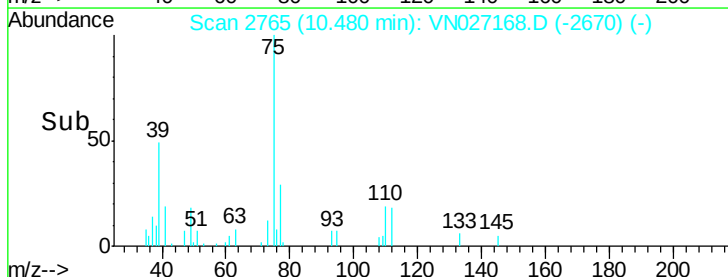
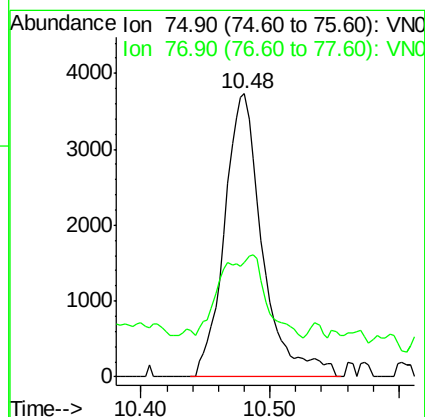
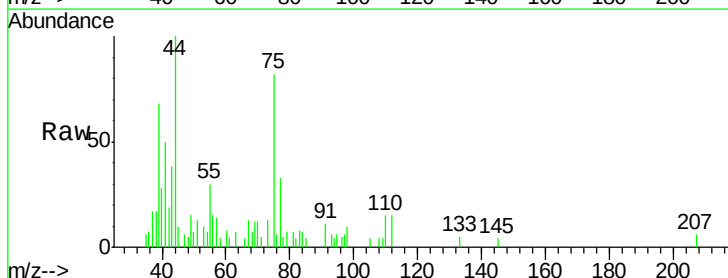
Acq: 15 Sep 2015 15:29

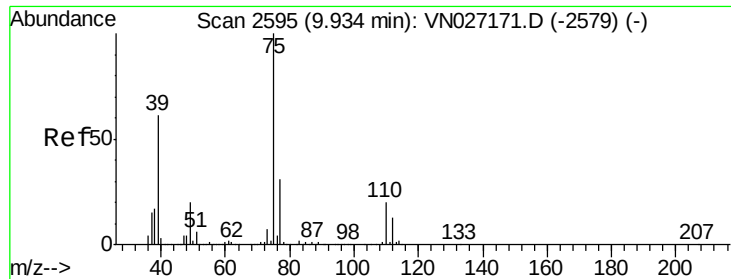
Tgt Ion: 75 Resp: 7632

Ion Ratio Lower Upper

75 100

77 25.6 25.4 38.2





#55

cis-1,3-Dichloropropene

Concen: 0.89 ug/l

RT: 9.93 min Scan# 2595

Delta R.T. 0.00 min

Lab File: VN027168.D

Acq: 15 Sep 2015 15:29

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

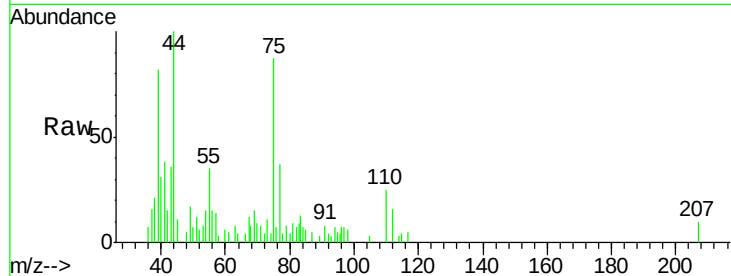
Tot Ion: 75 Resp: 8490

Ion Ratio Lower Upper

75 100

77 33.2 25.6 38.4

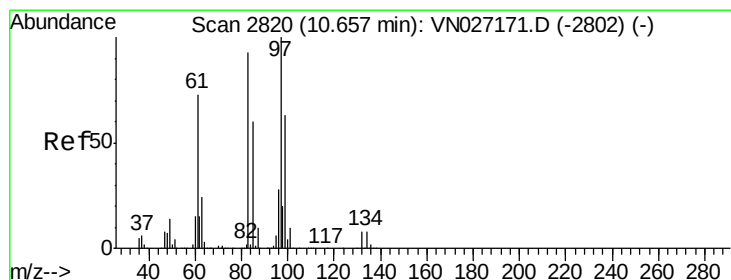
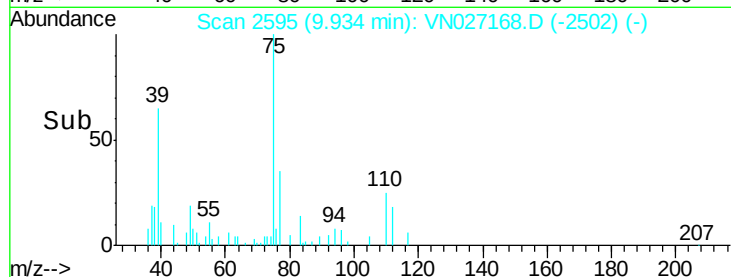
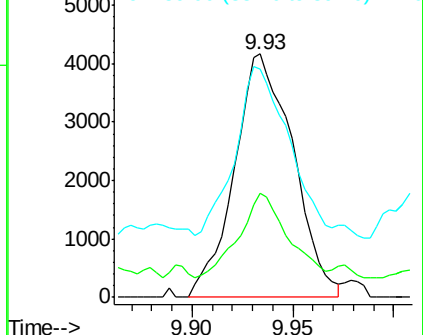
39 65.7 41.6 62.4#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0



#56

1,1,2-Trichloroethane

Concen: 0.66 ug/l

RT: 10.66 min Scan# 2821

Delta R.T. 0.00 min

Lab File: VN027168.D

Acq: 15 Sep 2015 15:29

Tgt Ion: 97 Resp: 3912

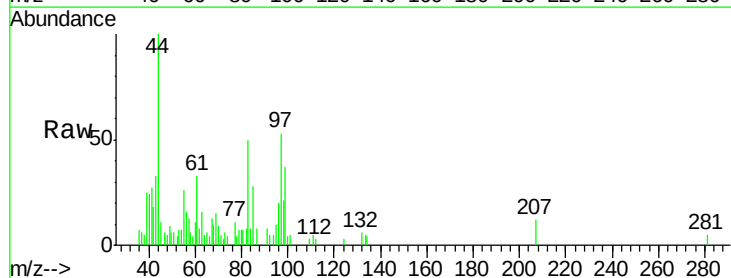
Ion Ratio Lower Upper

97 100

83 84.4 75.0 112.4

85 46.9 48.0 72.0#

99 79.2 50.3 75.5#

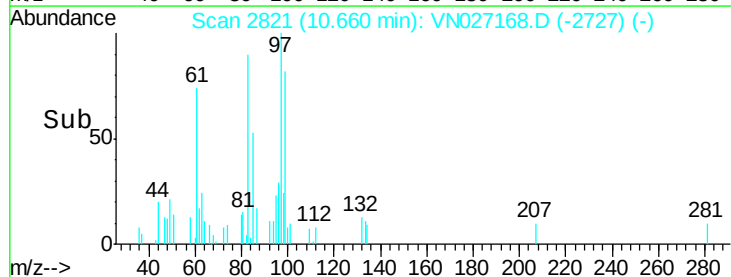
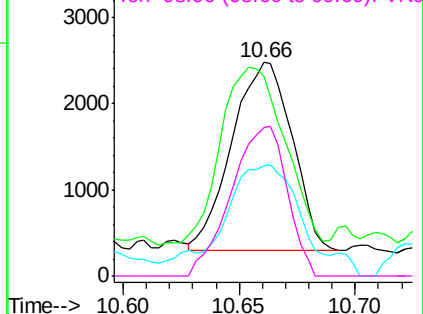


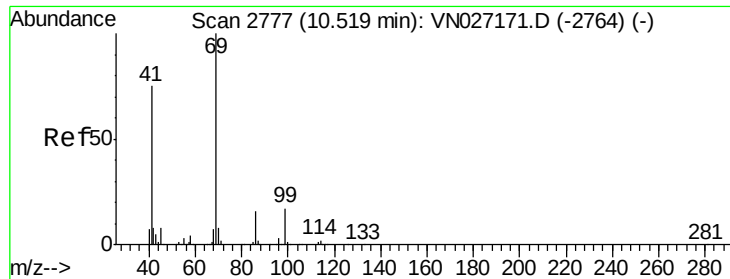
Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0





#57

Ethyl methacrylate

Concen: 0.89 ug/l

RT: 10.53 min Scan# 2779

Delta R.T. 0.01 min

Lab File: VN027168.D

Acq: 15 Sep 2015 15:29

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

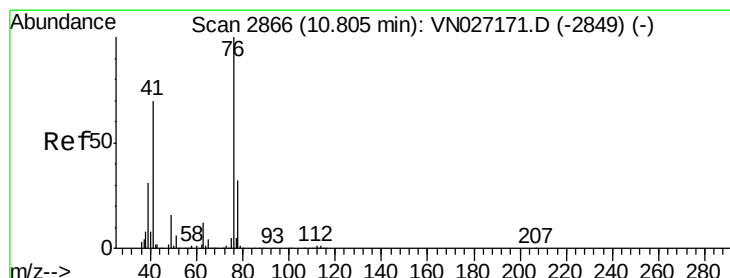
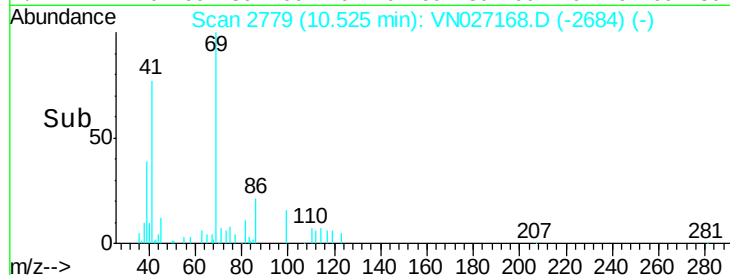
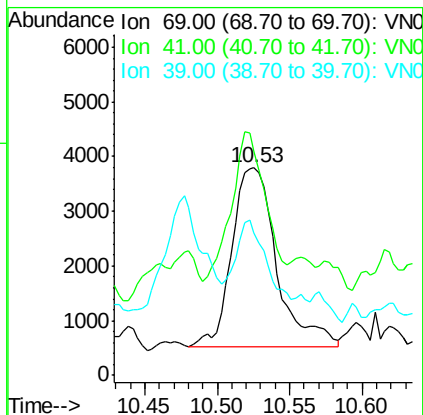
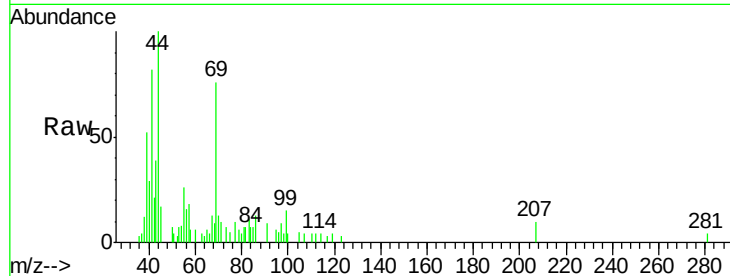
Tot Ion: 69 Resp: 7042

Ion Ratio Lower Upper

69 100

41 63.5 61.3 91.9

39 49.4 28.4 42.6#



#58

1,3-Dichloropropane

Concen: 0.79 ug/l

RT: 10.80 min Scan# 2865

Delta R.T. -0.00 min

Lab File: VN027168.D

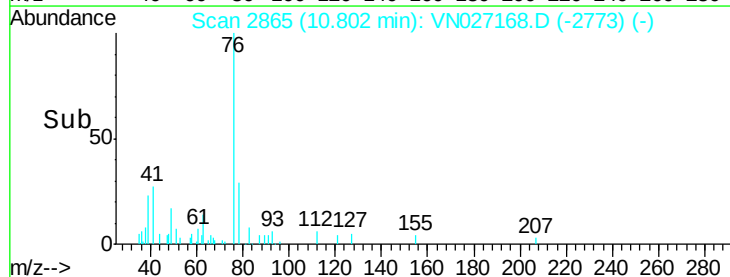
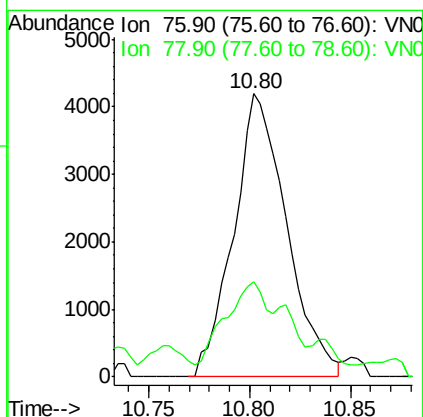
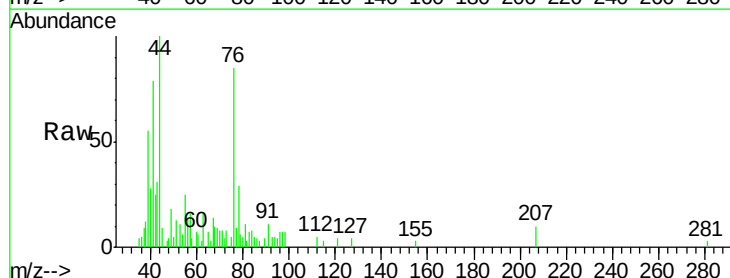
Acq: 15 Sep 2015 15:29

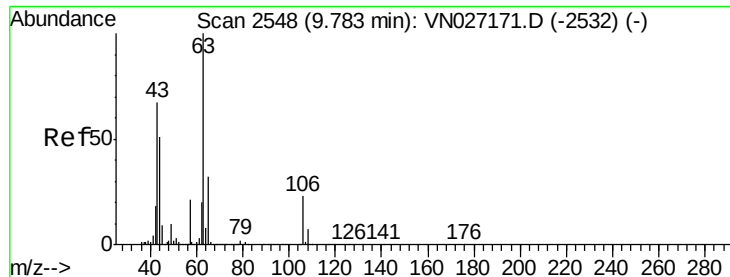
Tgt Ion: 76 Resp: 7715

Ion Ratio Lower Upper

76 100

78 23.1 25.0 37.6#

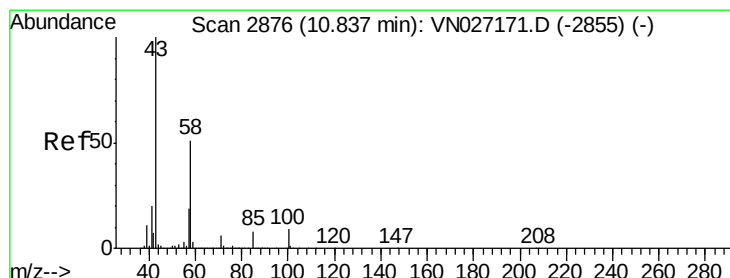
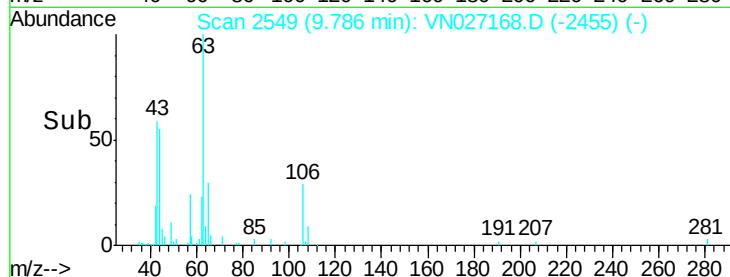
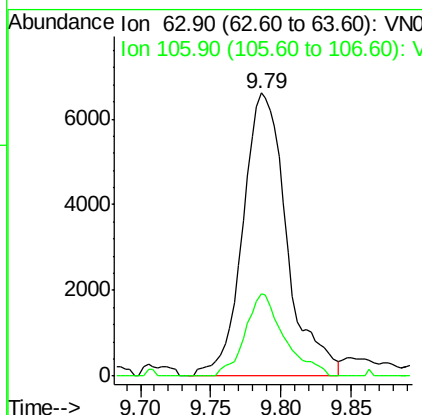
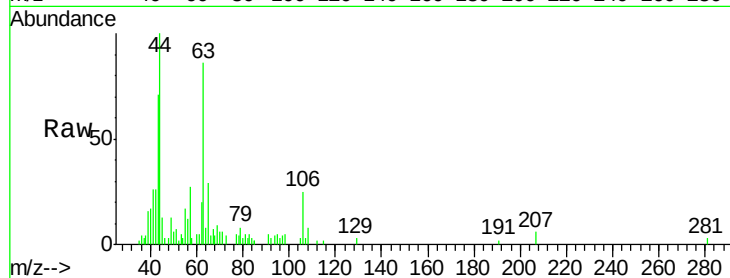




#59
 2-Chloroethyl Vinyl ether
 Concen: 4.67 ug/l
 RT: 9.79 min Scan# 2549
 Delta R.T. 0.00 min
 Lab File: VN027168.D
 Acq: 15 Sep 2015 15:29

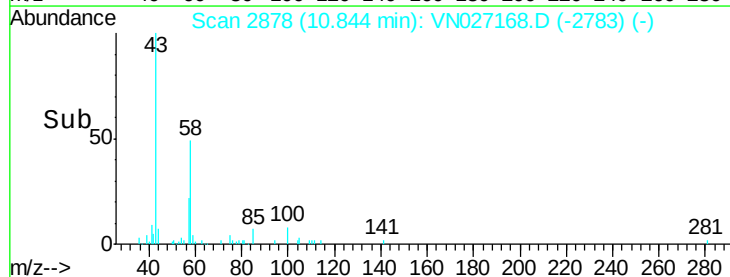
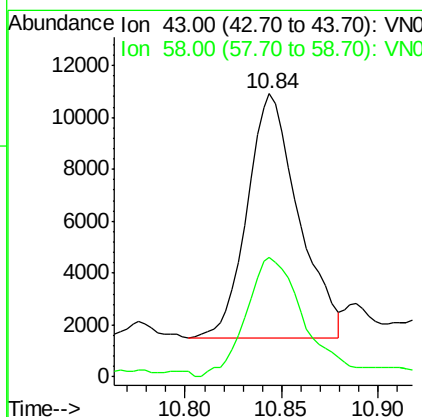
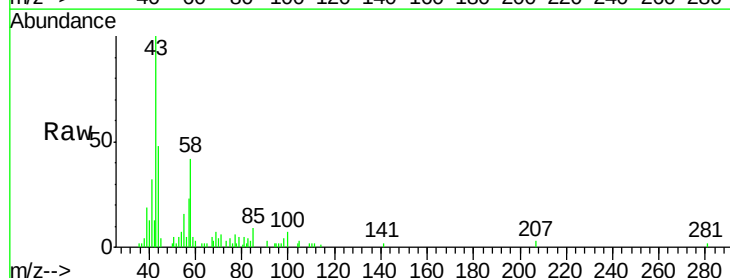
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

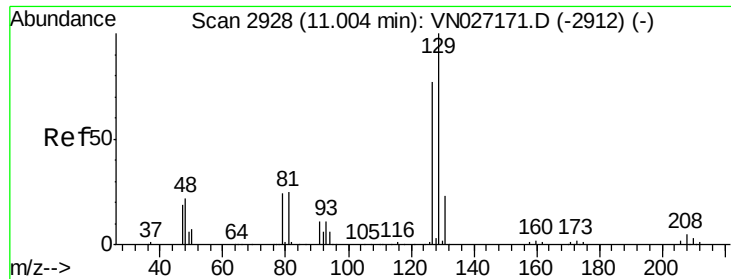
Tot Ion: 63 Resp: 14453
 Ion Ratio Lower Upper
 63 100
 106 25.7 17.7 26.5



#60
 2-Hexanone
 Concen: 4.35 ug/l
 RT: 10.84 min Scan# 2878
 Delta R.T. 0.01 min
 Lab File: VN027168.D
 Acq: 15 Sep 2015 15:29

Tgt Ion: 43 Resp: 17370
 Ion Ratio Lower Upper
 43 100
 58 58.5 26.2 78.5

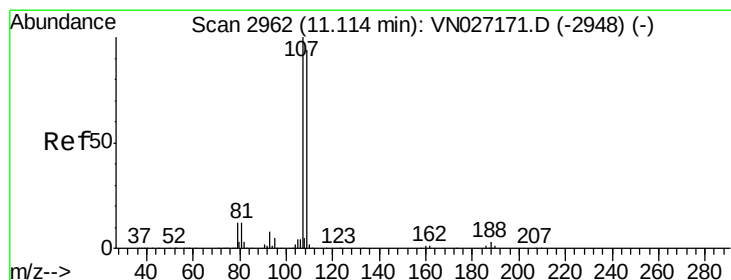
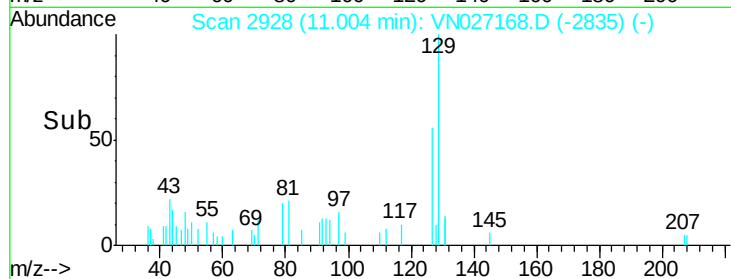
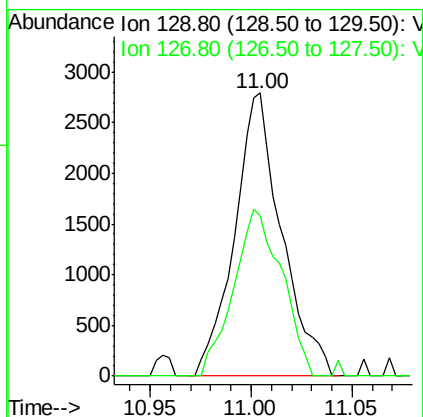
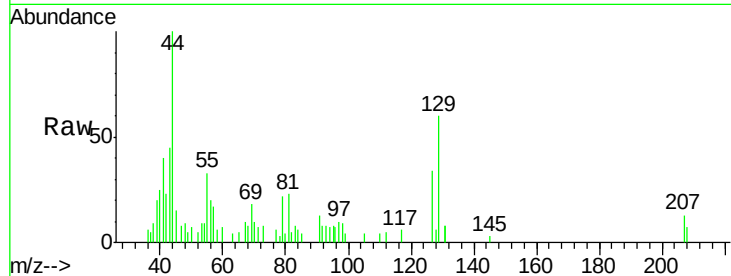




#61
 Dibromochloromethane
 Concen: 0.75 ug/l
 RT: 11.00 min Scan# 2928
 Delta R.T. 0.00 min
 Lab File: VN027168.D
 Acq: 15 Sep 2015 15:29

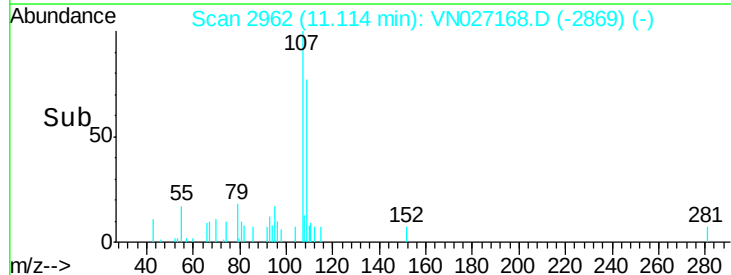
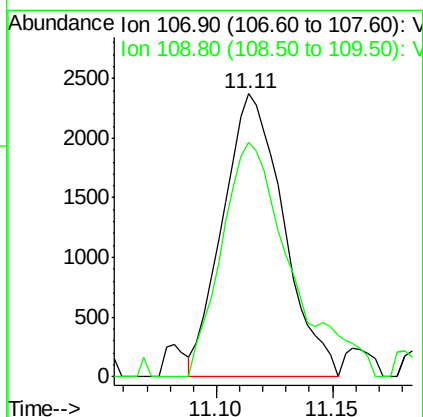
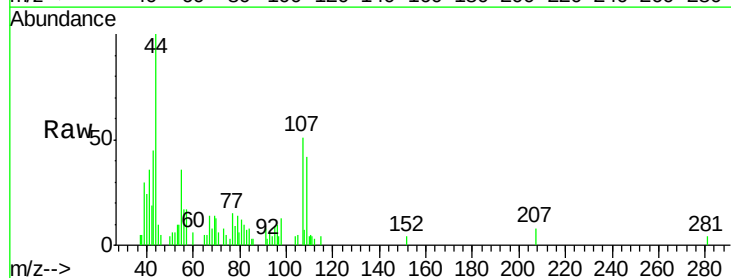
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

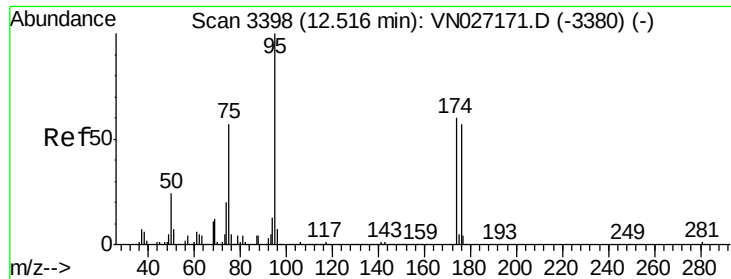
Tot Ion:129 Resp: 4555
 Ion Ratio Lower Upper
 129 100
 127 60.4 39.1 117.2



#62
 1,2-Dibromoethane
 Concen: 0.76 ug/l
 RT: 11.11 min Scan# 2962
 Delta R.T. 0.00 min
 Lab File: VN027168.D
 Acq: 15 Sep 2015 15:29

Tgt Ion:107 Resp: 4303
 Ion Ratio Lower Upper
 107 100
 109 94.4 75.6 113.4

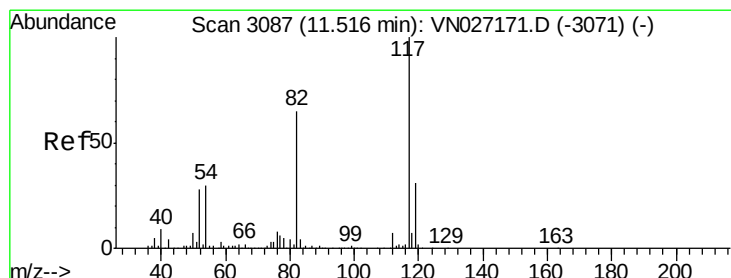
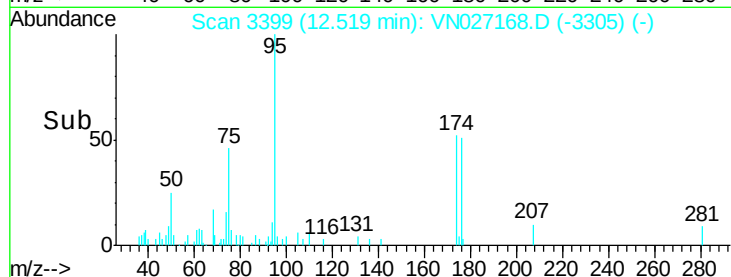
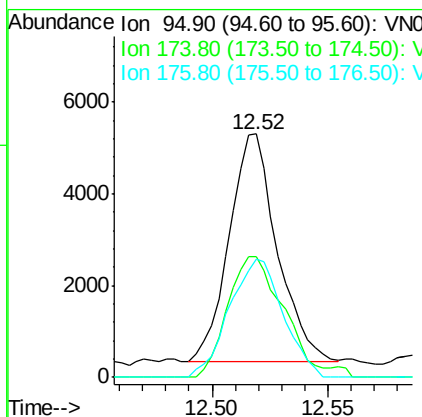
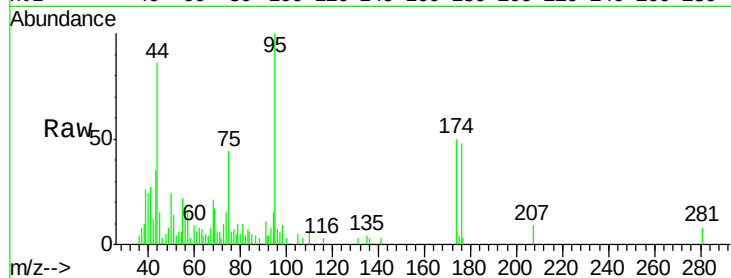




#63
4-Bromofluorobenzene
Concen: 1.01 ug/l
RT: 12.52 min Scan# 3399
Delta R.T. 0.00 min
Lab File: VN027168.D
Acq: 15 Sep 2015 15:29

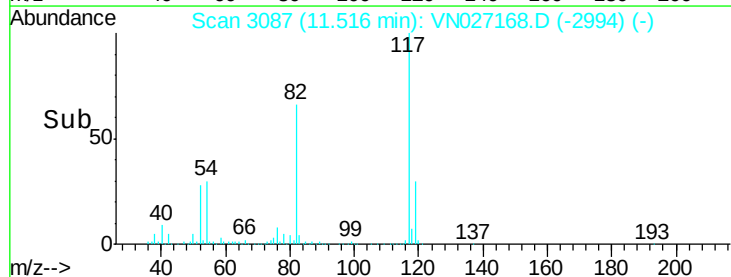
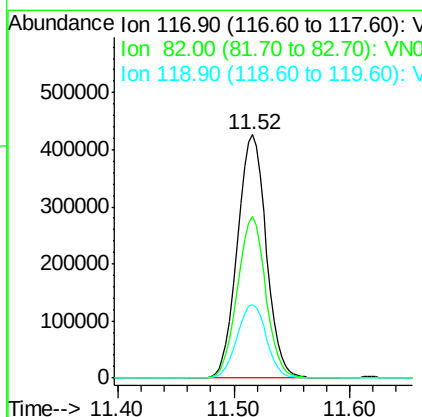
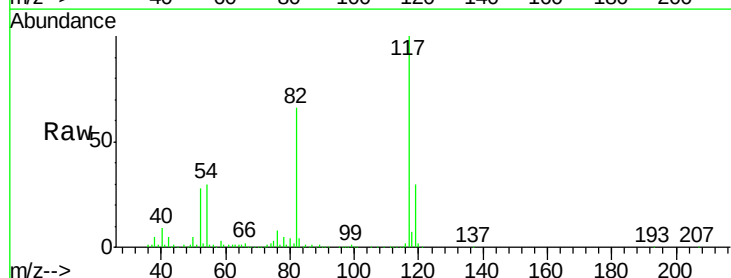
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

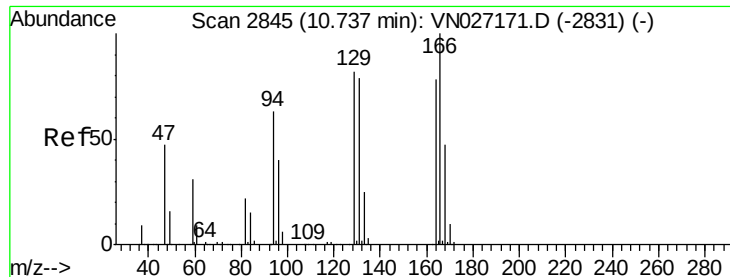
Tot Ion: 95 Resp: 7134
Ion Ratio Lower Upper
95 100
174 63.0 0.0 137.0
176 58.1 0.0 130.8



#64
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.52 min Scan# 3087
Delta R.T. 0.00 min
Lab File: VN027168.D
Acq: 15 Sep 2015 15:29

Tgt Ion: 117 Resp: 732896
Ion Ratio Lower Upper
117 100
82 66.2 49.6 74.4
119 30.3 24.6 36.8





#65

Tetrachloroethene

Concen: 0.65 ug/l

RT: 10.74 min Scan# 2846

Delta R.T. 0.00 min

Lab File: VN027168.D

Acq: 15 Sep 2015 15:29

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion:164 Resp: 3396

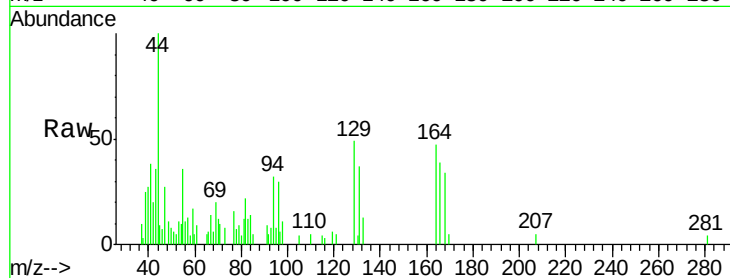
Ion Ratio Lower Upper

164 100

166 83.1 103.4 155.0#

129 104.2 77.5 116.3

131 77.9 74.2 111.4

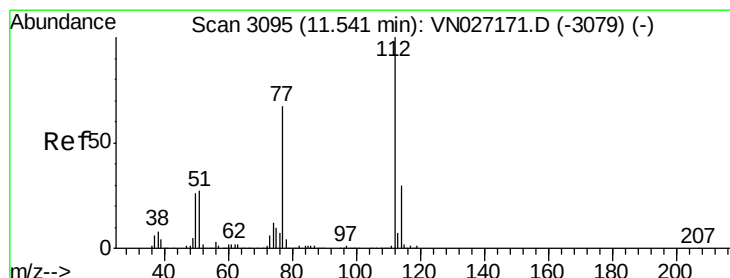
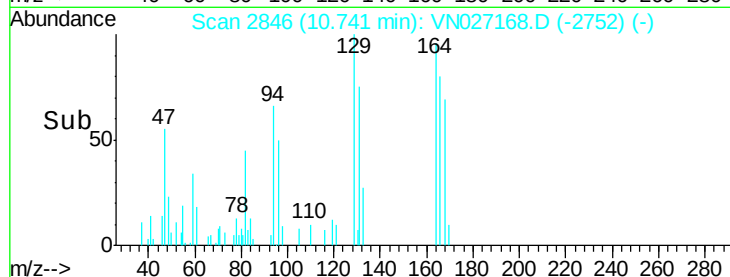
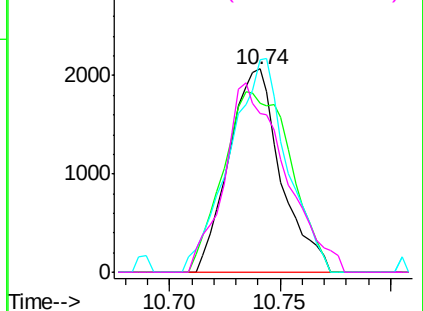


Abundance Ion 163.80 (163.50 to 164.50): V

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: 0.72 ug/l

RT: 11.54 min Scan# 3096

Delta R.T. 0.00 min

Lab File: VN027168.D

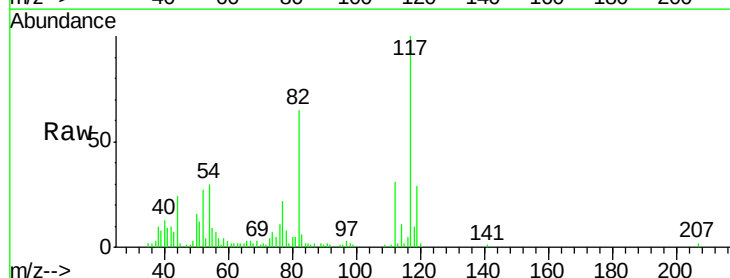
Acq: 15 Sep 2015 15:29

Tgt Ion:112 Resp: 11503

Ion Ratio Lower Upper

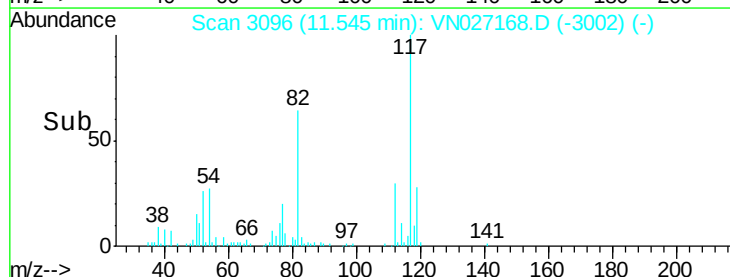
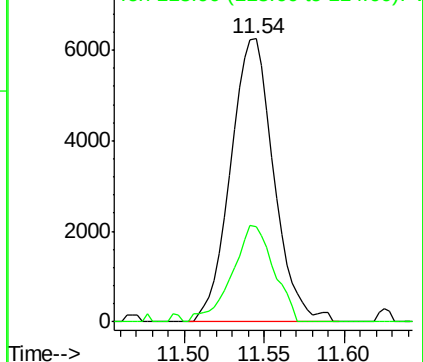
112 100

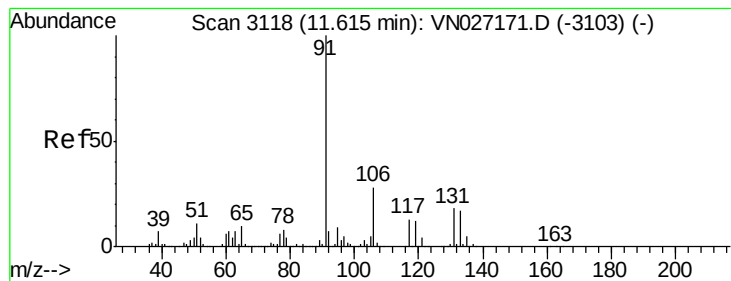
114 33.5 24.9 37.3



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: 0.72 ug/l

RT: 11.62 min Scan# 3119

Delta R.T. 0.00 min

Lab File: VN027168.D

Acq: 15 Sep 2015 15:29

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

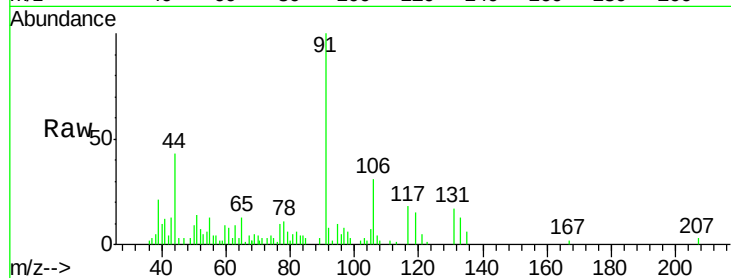
Tot Ion:131 Resp: 3954

Ion Ratio Lower Upper

131 100

133 88.1 47.0 141.2

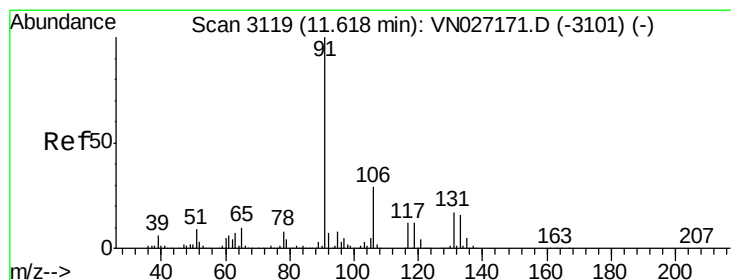
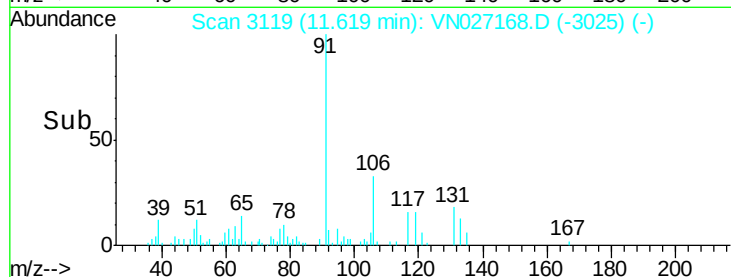
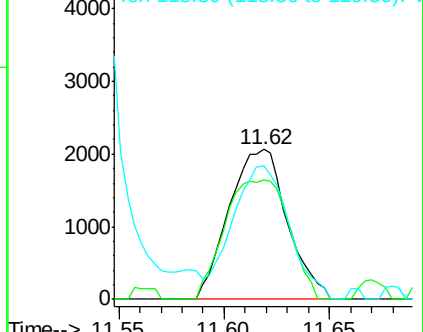
119 0.0 35.1 105.5#



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



#68

Ethyl Benzene

Concen: 0.74 ug/l

RT: 11.62 min Scan# 3119

Delta R.T. 0.00 min

Lab File: VN027168.D

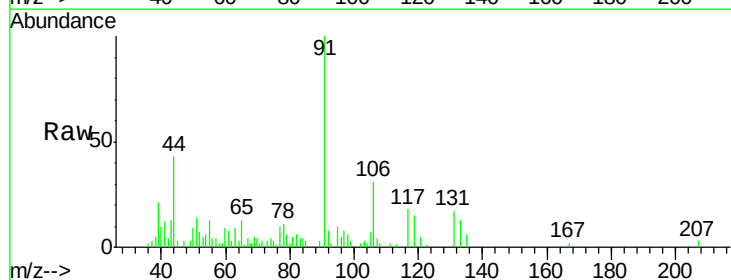
Acq: 15 Sep 2015 15:29

Tgt Ion: 91 Resp: 19965

Ion Ratio Lower Upper

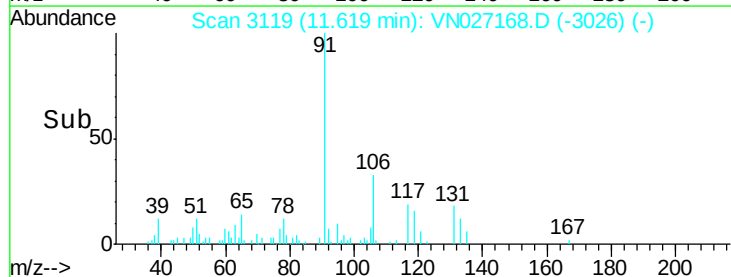
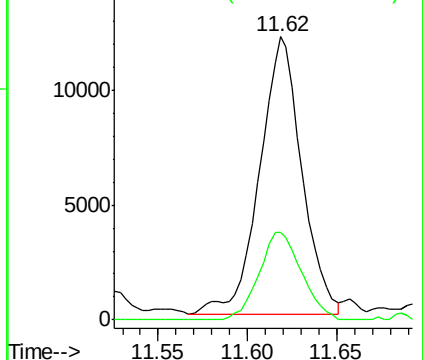
91 100

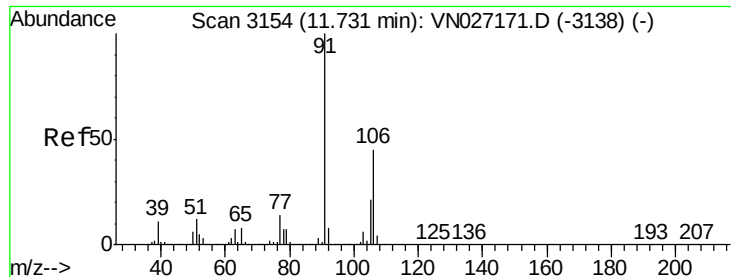
106 31.7 23.1 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V





#69

m/p-Xylenes

Concen: 1.47 ug/l

RT: 11.73 min Scan# 3153

Delta R.T. -0.00 min

Lab File: VN027168.D

Acq: 15 Sep 2015 15:29

Instrument :

MSVOA_N

ClientSampled :

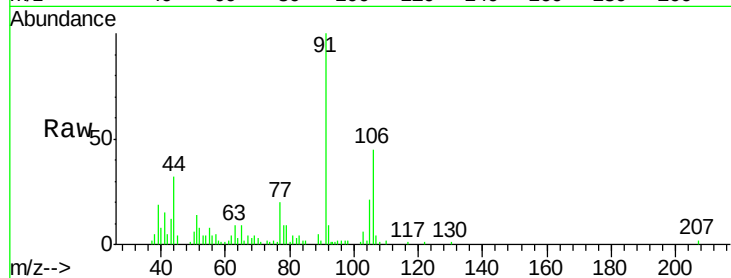
VSTDIC001

Tot Ion:106 Resp: 14710

Ion Ratio Lower Upper

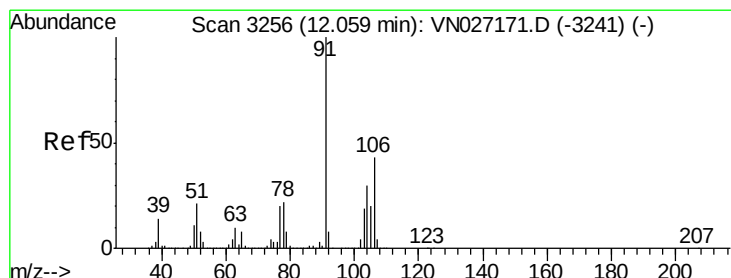
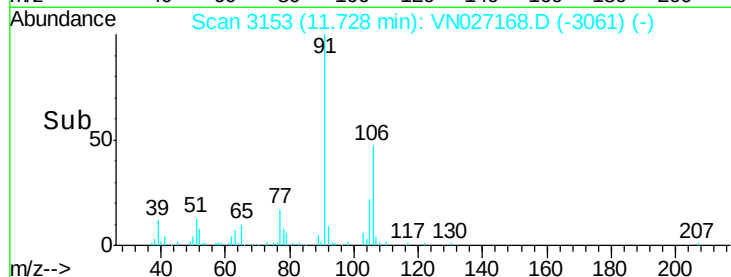
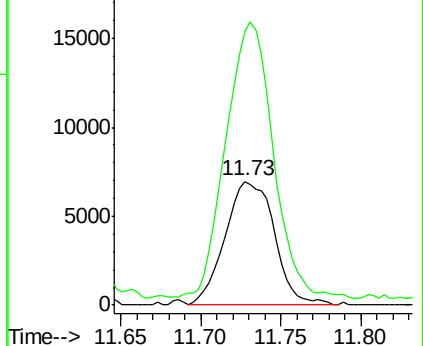
106 100

91 213.7 167.1 250.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#70

o-Xylene

Concen: 0.75 ug/l

RT: 12.06 min Scan# 3256

Delta R.T. 0.00 min

Lab File: VN027168.D

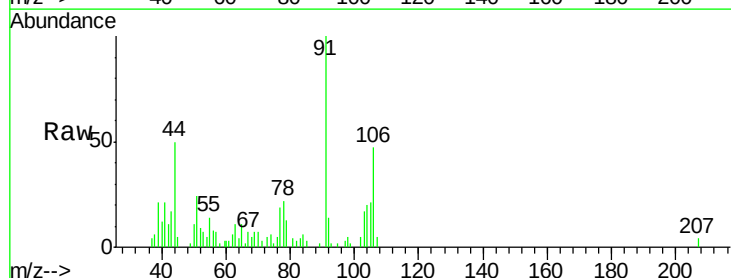
Acq: 15 Sep 2015 15:29

Tgt Ion:106 Resp: 7369

Ion Ratio Lower Upper

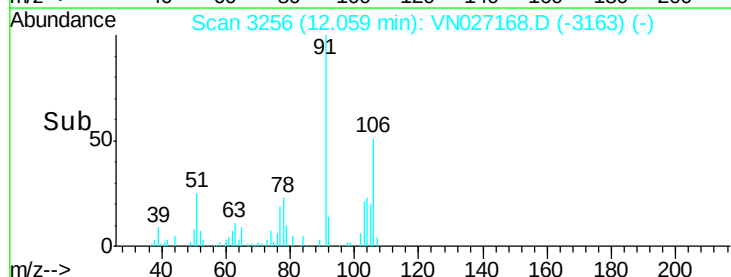
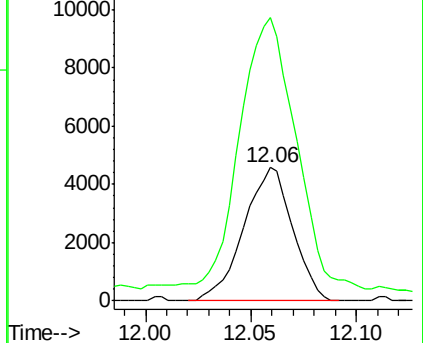
106 100

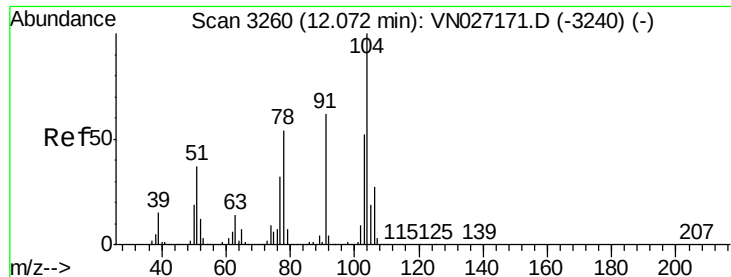
91 230.1 110.7 331.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





#71

Stvrene

Concen: 0.67 ug/l

RT: 12.08 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN027168.D

Acq: 15 Sep 2015 15:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

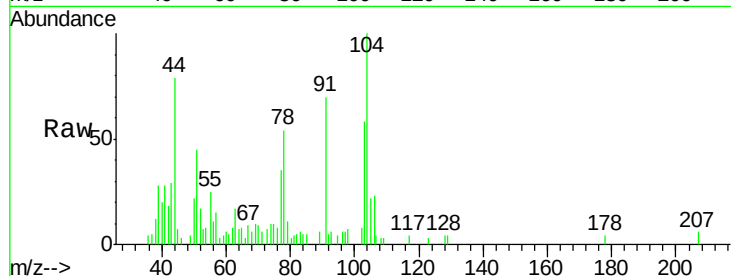
Tot Ion:104 Resp: 10660

Ion Ratio Lower Upper

104 100

78 60.6 41.6 62.4

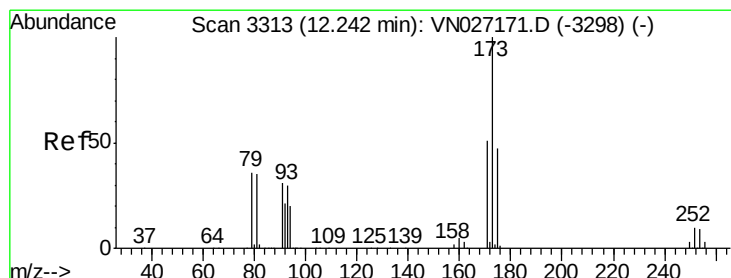
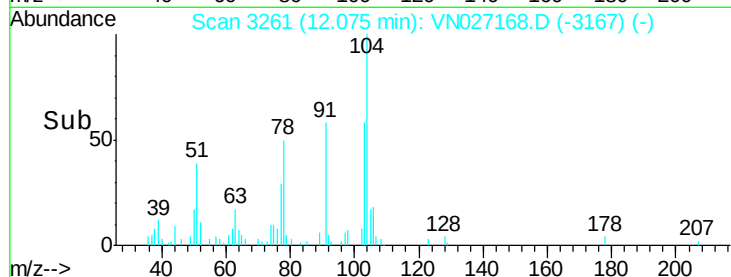
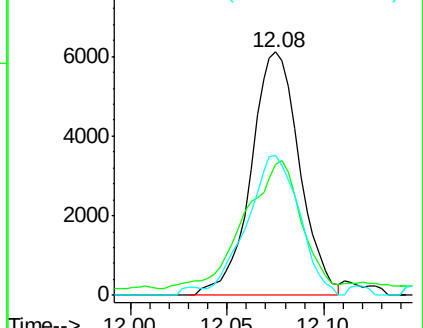
103 62.3 44.2 66.2



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: 0.69 ug/l

RT: 12.24 min Scan# 3313

Delta R.T. 0.00 min

Lab File: VN027168.D

Acq: 15 Sep 2015 15:29

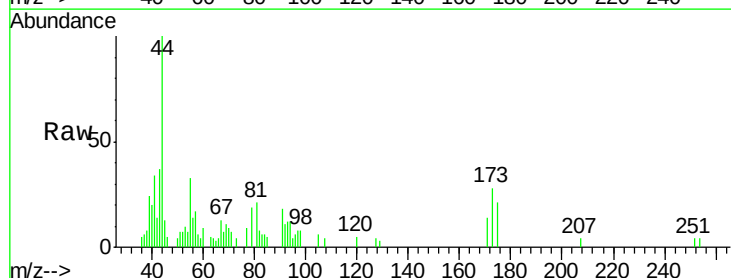
Tgt Ion:173 Resp: 2618

Ion Ratio Lower Upper

173 100

175 52.9 24.4 73.4

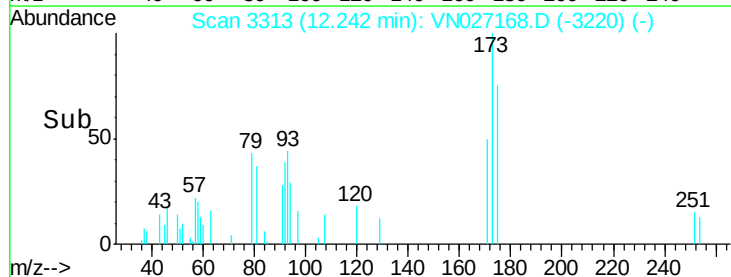
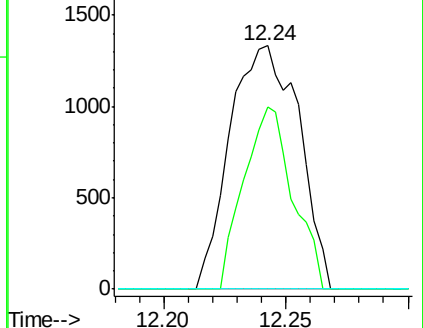
254 0.0 0.1 0.1#

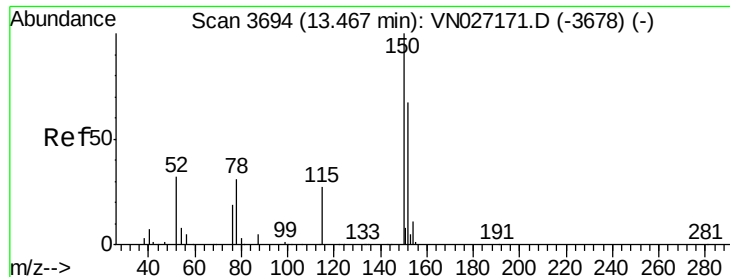


Abundance Ion 172.70 (172.40 to 173.40): V

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: VN027168.D

Acq: 15 Sep 2015 15:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

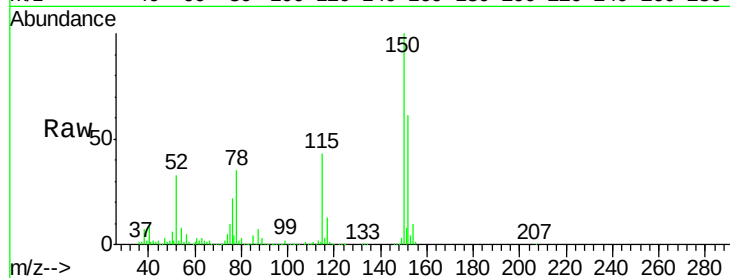
Tot Ion:152 Resp: 248825

Ion Ratio Lower Upper

152 100

115 68.6 30.8 92.3

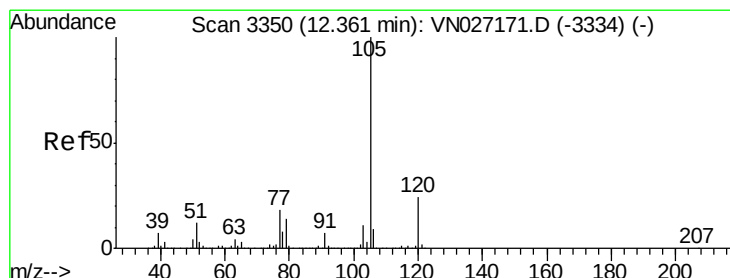
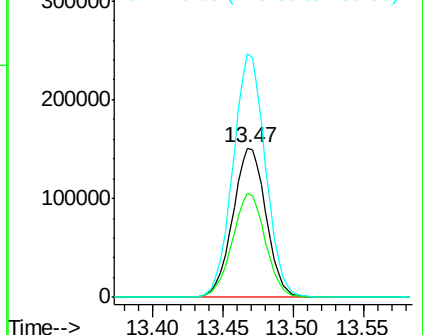
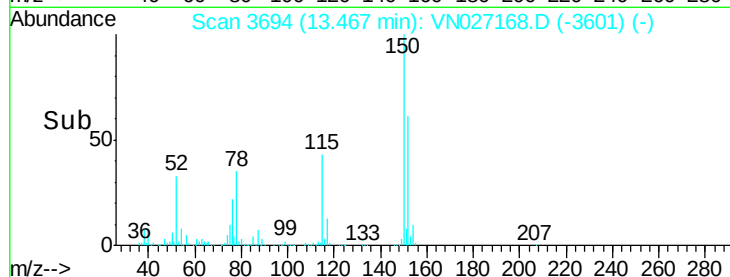
150 159.3 0.0 345.0



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: 0.91 ug/l

RT: 12.36 min Scan# 3350

Delta R.T. 0.00 min

Lab File: VN027168.D

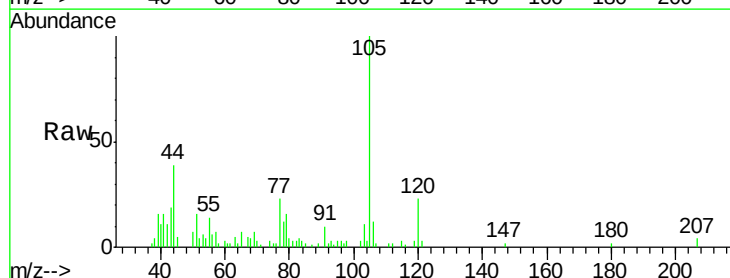
Acq: 15 Sep 2015 15:29

Tgt Ion:105 Resp: 19513

Ion Ratio Lower Upper

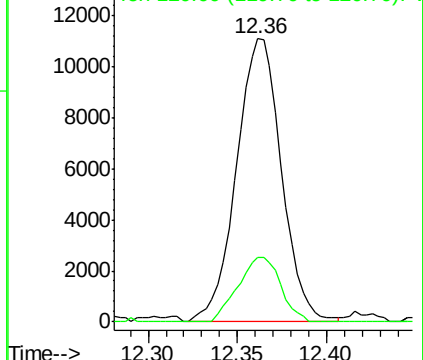
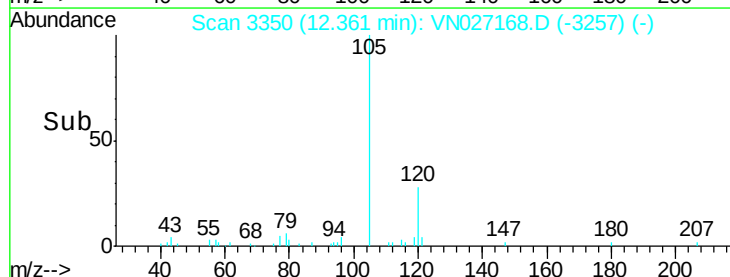
105 100

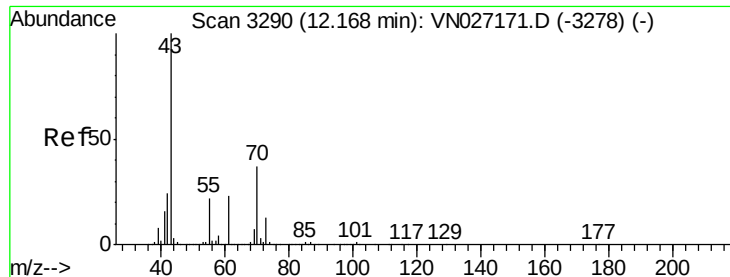
120 21.4 12.4 37.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#75

N-amvl acetate

Concen: 0.94 ug/l

RT: 12.17 min Scan# 3292

Delta R.T. 0.01 min

Lab File: VN027168.D

Acq: 15 Sep 2015 15:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 43 Resp: 6194

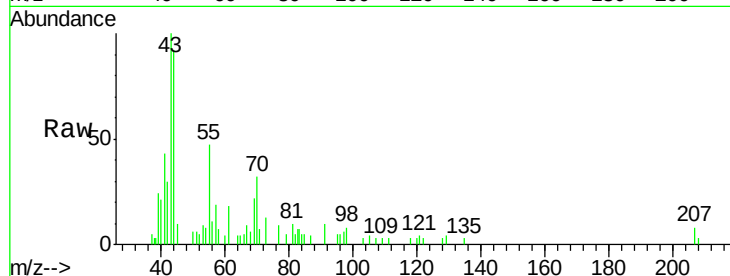
Ion Ratio Lower Upper

43 100

70 61.4 29.8 44.8#

55 40.6 19.4 29.0#

61 29.0 18.2 27.2#

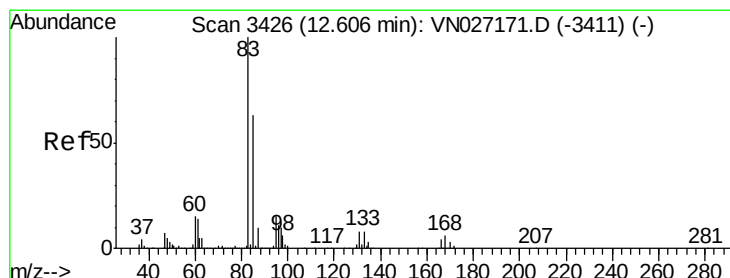
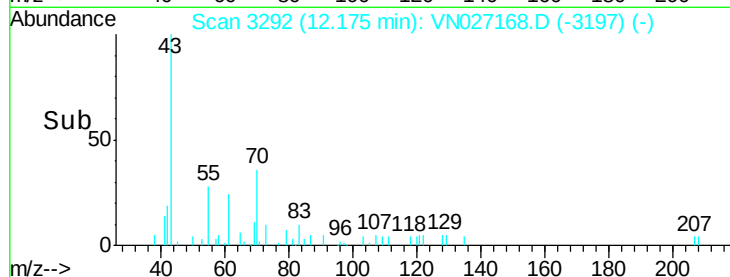
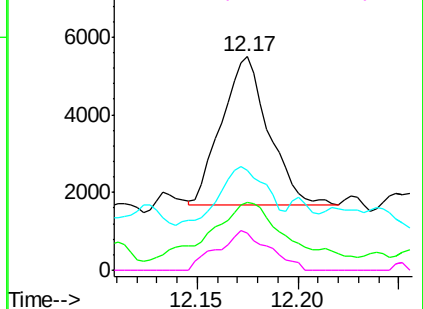


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#76

1,1,2,2-Tetrachloroethane

Concen: 1.07 ug/l

RT: 12.61 min Scan# 3427

Delta R.T. 0.00 min

Lab File: VN027168.D

Acq: 15 Sep 2015 15:29

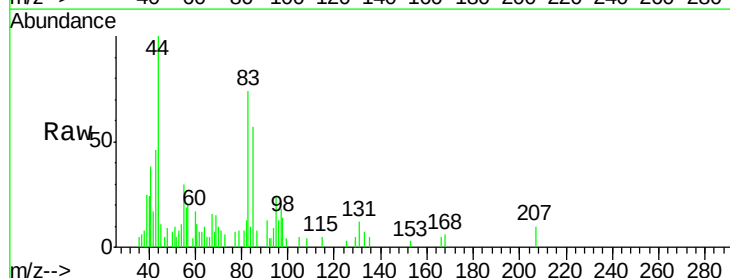
Tgt Ion: 83 Resp: 6219

Ion Ratio Lower Upper

83 100

131 13.0 4.1 12.3#

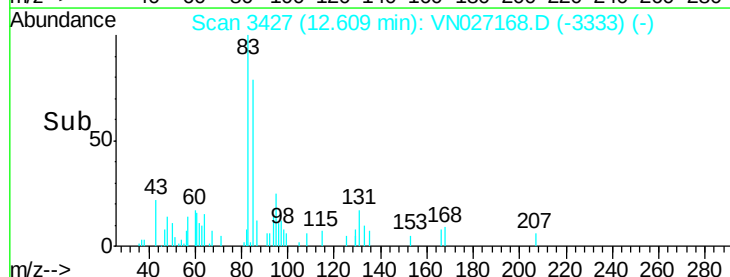
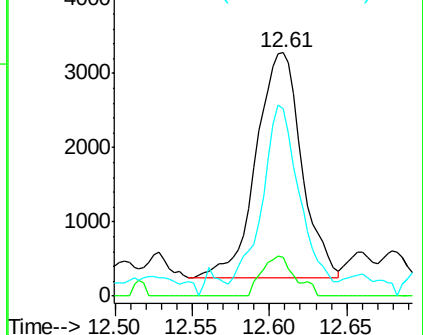
85 65.6 31.9 95.7

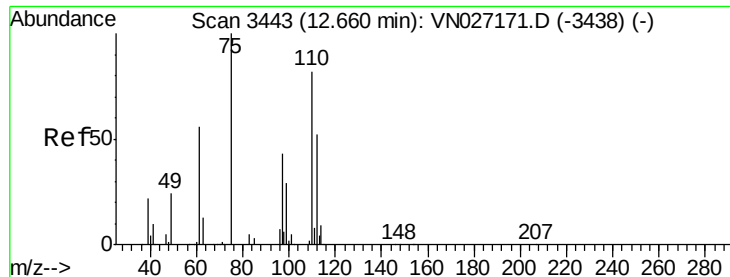


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0





#77

1,2,3-Trichloropropane

Concen: 1.62 ug/l

RT: 12.67 min Scan# 3445

Delta R.T. 0.01 min

Lab File: VN027168.D

Acq: 15 Sep 2015 15:29

Instrument :

MSVOA_N

ClientSampled :

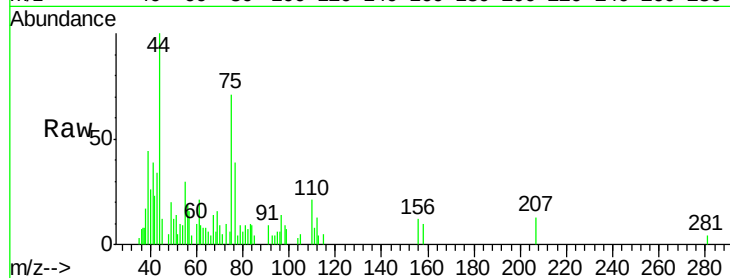
VSTDIC001

Tot Ion: 75 Resp: 7975

Ion Ratio Lower Upper

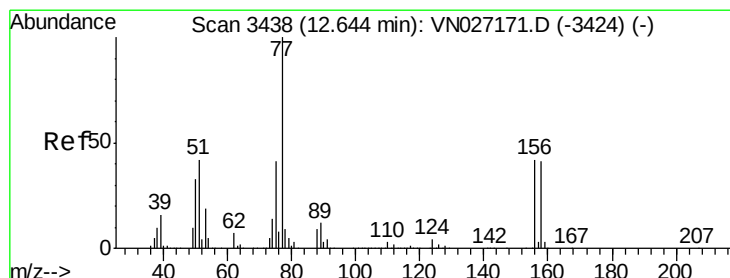
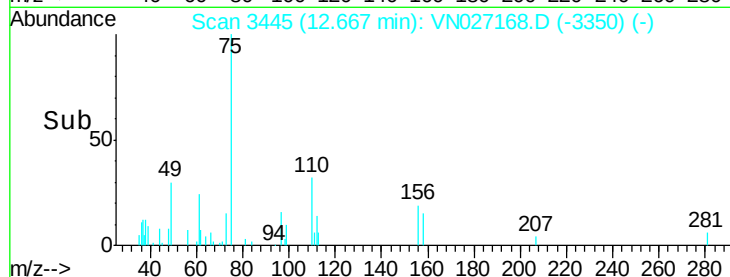
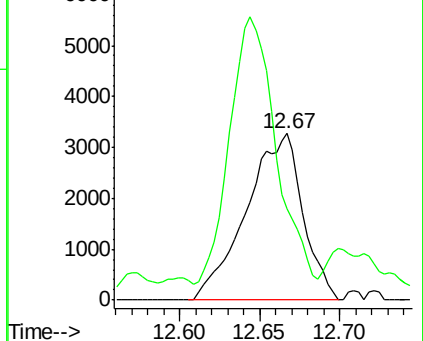
75 100

77 0.0 103.1 309.3#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#78

Bromobenzene

Concen: 0.67 ug/l

RT: 12.65 min Scan# 3439

Delta R.T. 0.00 min

Lab File: VN027168.D

Acq: 15 Sep 2015 15:29

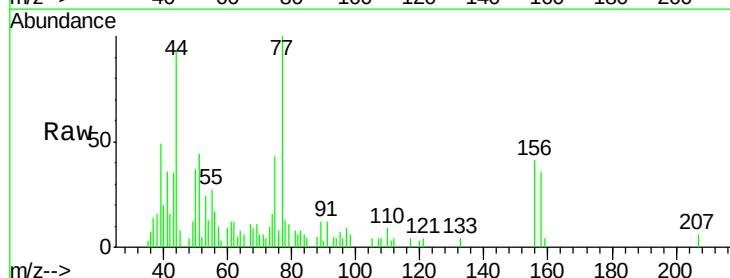
Tgt Ion: 156 Resp: 3460

Ion Ratio Lower Upper

156 100

77 297.4 127.3 381.9

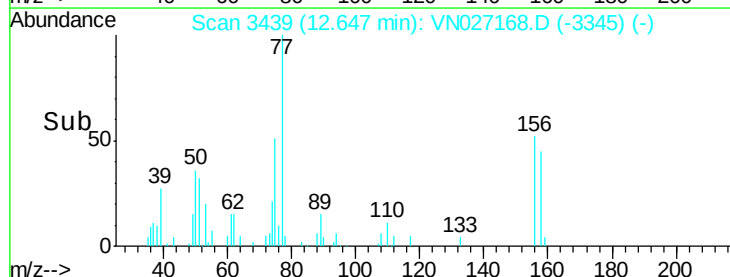
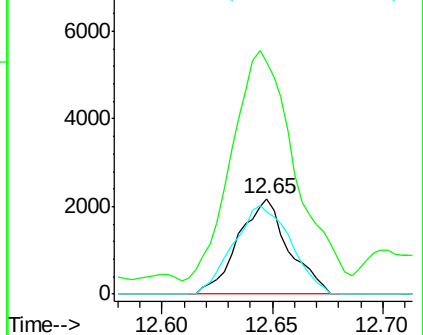
158 105.2 48.0 144.2

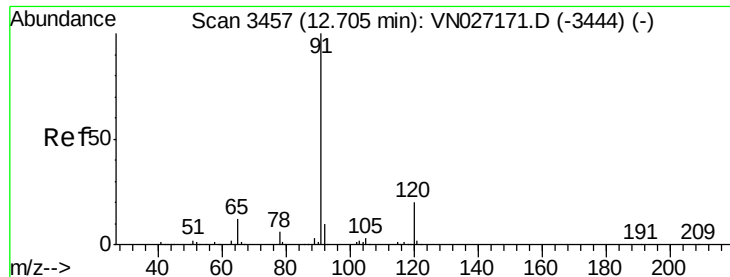


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V





#79

n-propylbenzene

Concen: 0.93 ug/l

RT: 12.71 min Scan# 3457

Delta R.T. 0.00 min

Lab File: VN027168.D

Acq: 15 Sep 2015 15:29

Instrument :

MSVOA_N

ClientSampleId :

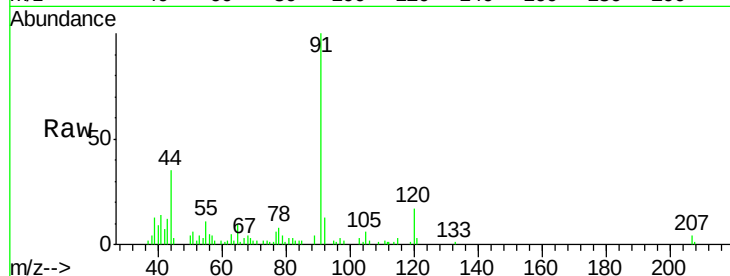
VSTDIC001

Tot Ion: 91 Resp: 22010

Ion Ratio Lower Upper

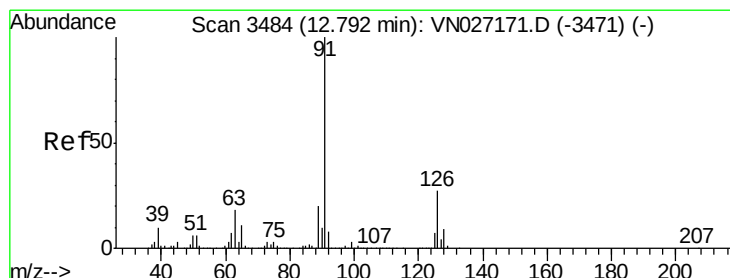
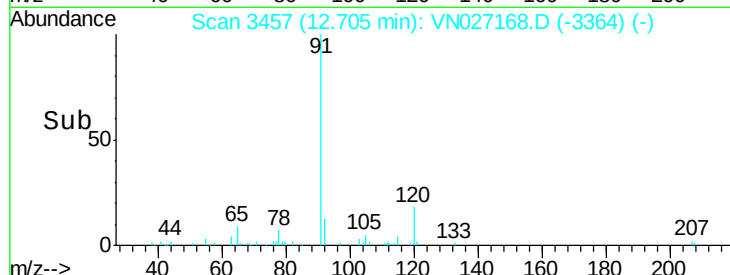
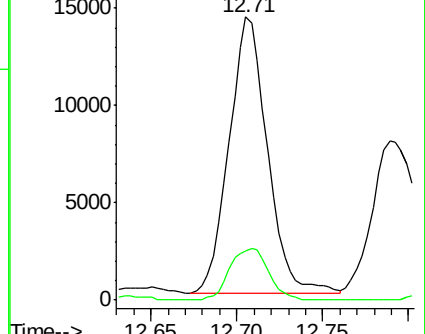
91 100

120 19.0 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: 0.91 ug/l

RT: 12.79 min Scan# 3483

Delta R.T. -0.00 min

Lab File: VN027168.D

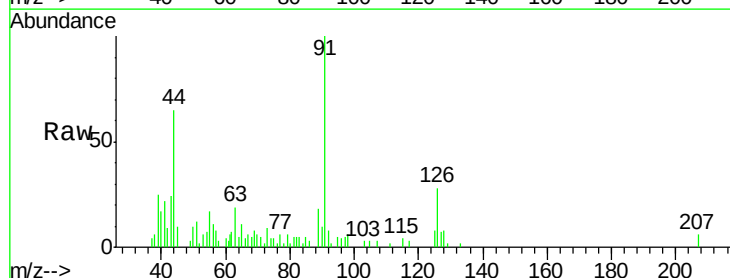
Acq: 15 Sep 2015 15:29

Tgt Ion: 91 Resp: 13311

Ion Ratio Lower Upper

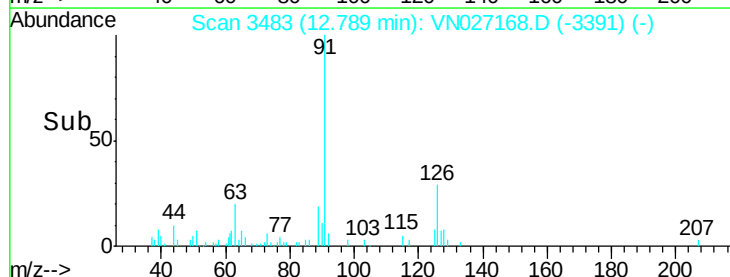
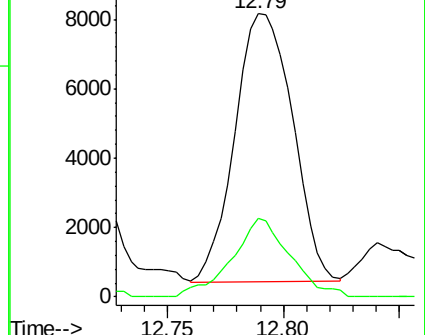
91 100

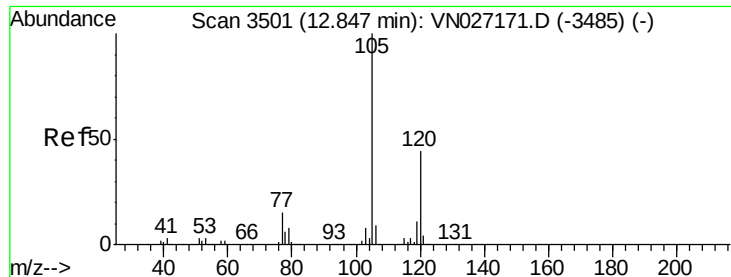
126 29.5 15.2 45.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

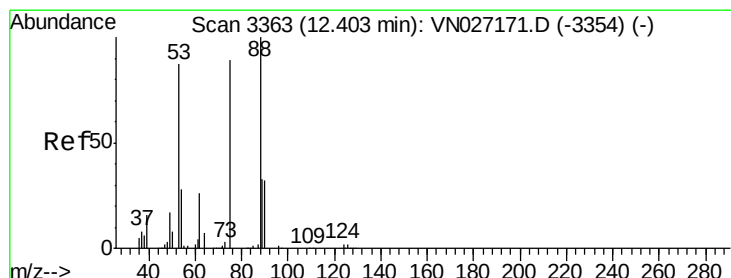
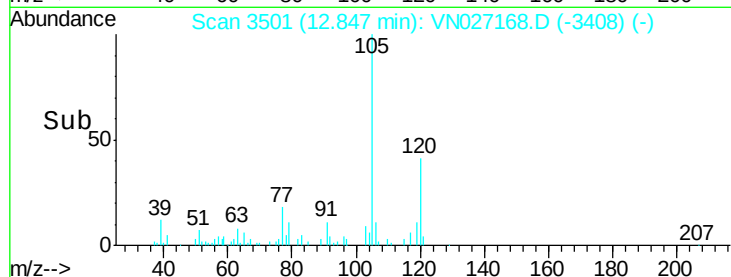
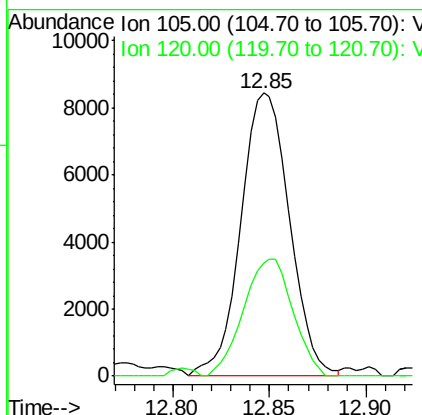
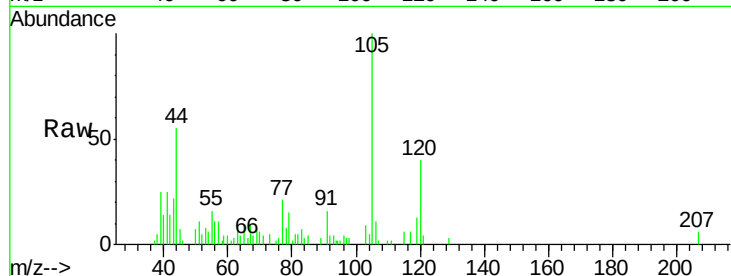




#81
 1,3,5-Trimethylbenzene
 Concen: 0.91 ug/l
 RT: 12.85 min Scan# 3501
 Delta R.T. 0.00 min
 Lab File: VN027168.D
 Acq: 15 Sep 2015 15:29

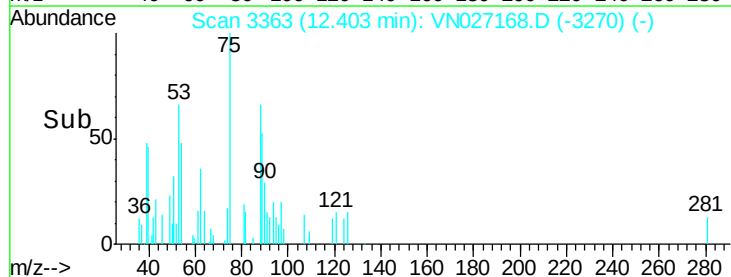
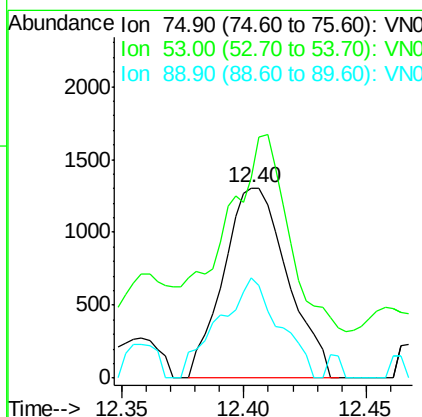
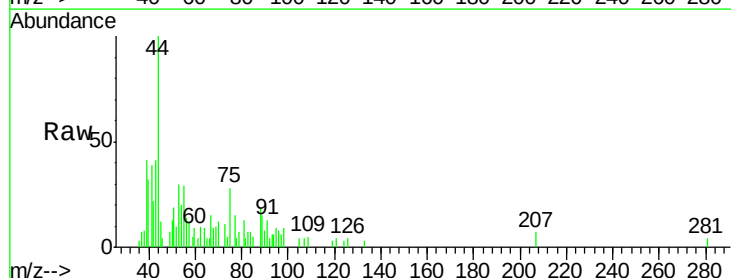
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

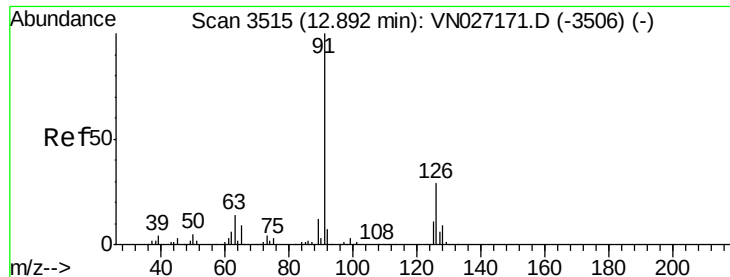
Tot Ion:105 Resp: 14801
 Ion Ratio Lower Upper
 105 100
 120 41.9 23.4 70.0



#82
 trans-1,4-Dichloro-2-butene
 Concen: 1.37 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN027168.D
 Acq: 15 Sep 2015 15:29

Tgt Ion: 75 Resp: 2377
 Ion Ratio Lower Upper
 75 100
 53 101.2 92.9 139.3
 89 49.7 34.2 51.4

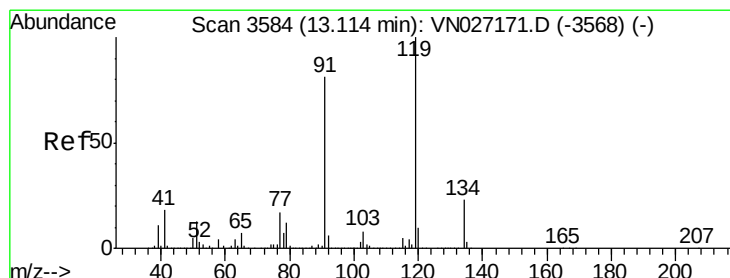
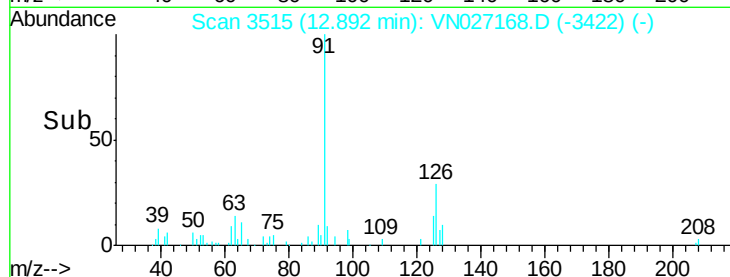
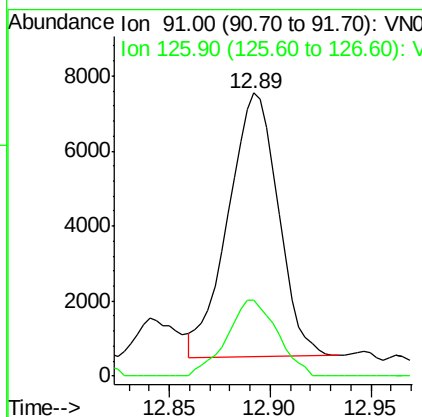
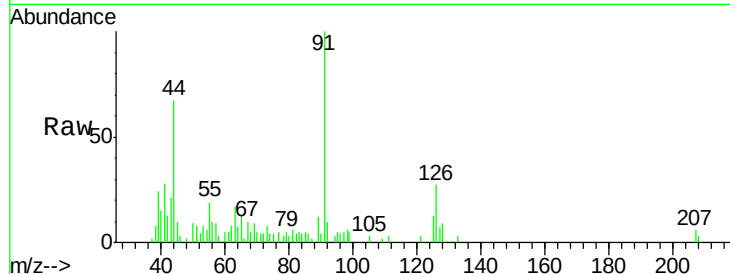




#83
4-Chlorotoluene
Concen: 0.86 ug/l
RT: 12.89 min Scan# 3515
Delta R.T. 0.00 min
Lab File: VN027168.D
Acq: 15 Sep 2015 15:29

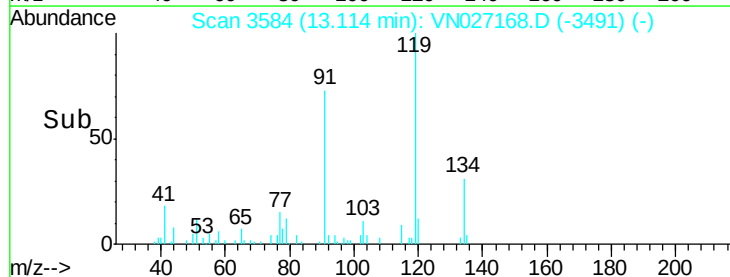
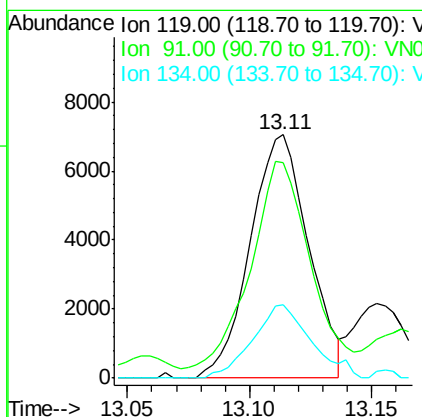
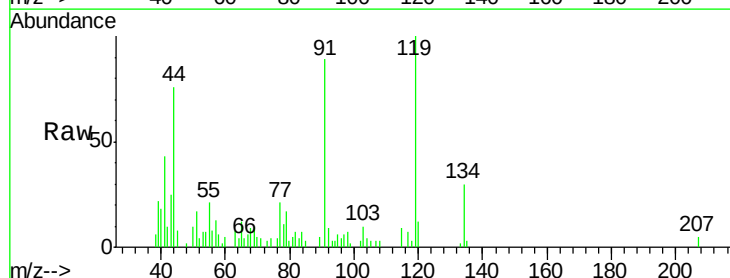
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

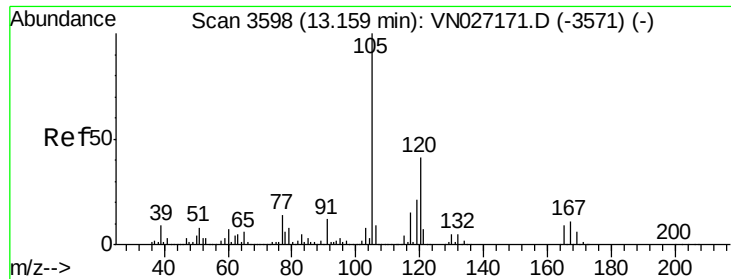
Tot Ion: 91 Resp: 12184
Ion Ratio Lower Upper
91 100
126 29.2 14.9 44.5



#84
tert-Butylbenzene
Concen: 0.80 ug/l
RT: 13.11 min Scan# 3584
Delta R.T. 0.00 min
Lab File: VN027168.D
Acq: 15 Sep 2015 15:29

Tgt Ion: 119 Resp: 11710
Ion Ratio Lower Upper
119 100
91 84.9 34.6 103.8
134 30.1 11.4 34.2





#85

1,2,4-Trimethylbenzene

Concen: 0.93 ug/l

RT: 13.16 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN027168.D

Acq: 15 Sep 2015 15:29

Instrument :

MSVOA_N

ClientSampled :

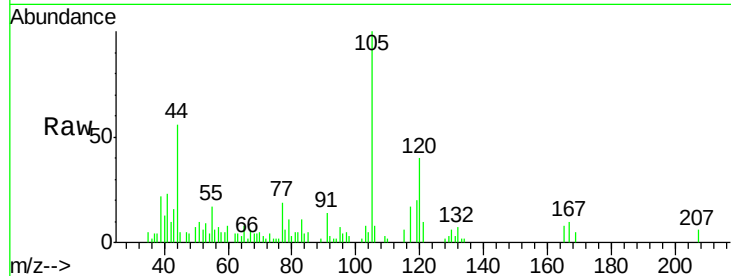
VSTDIC001

Tot Ion:105 Resp: 15257

Ion Ratio Lower Upper

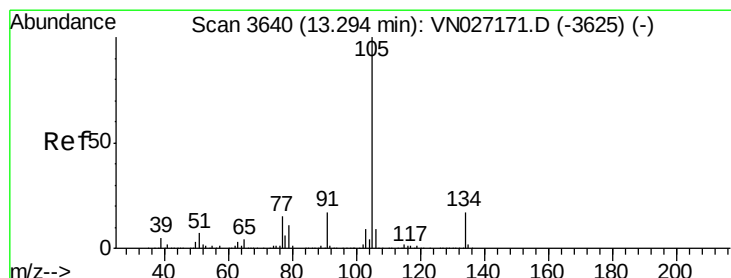
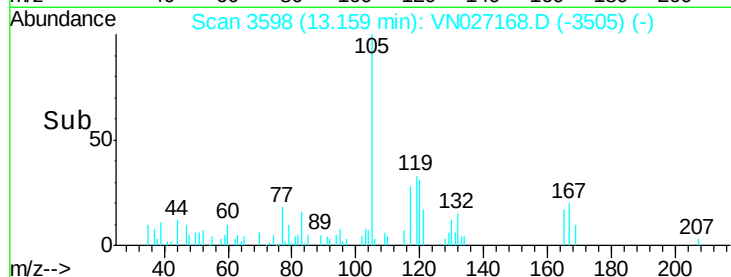
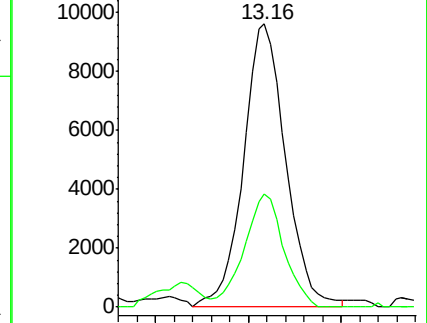
105 100

120 37.4 21.9 65.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#86

sec-Butylbenzene

Concen: 0.89 ug/l

RT: 13.29 min Scan# 3640

Delta R.T. 0.00 min

Lab File: VN027168.D

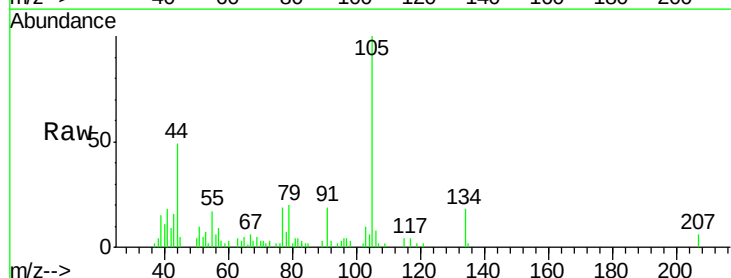
Acq: 15 Sep 2015 15:29

Tgt Ion:105 Resp: 17843

Ion Ratio Lower Upper

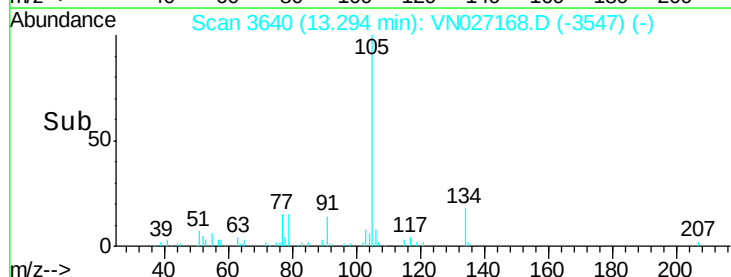
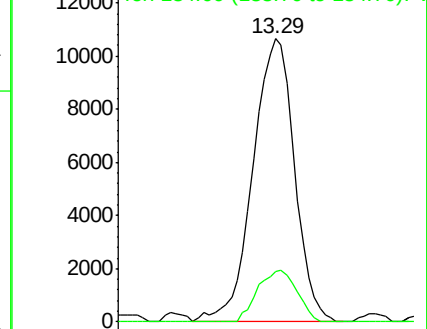
105 100

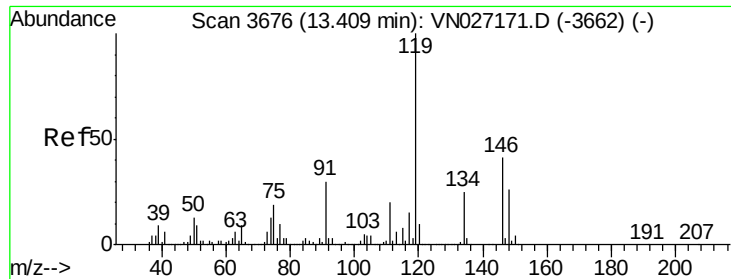
134 17.1 8.8 26.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

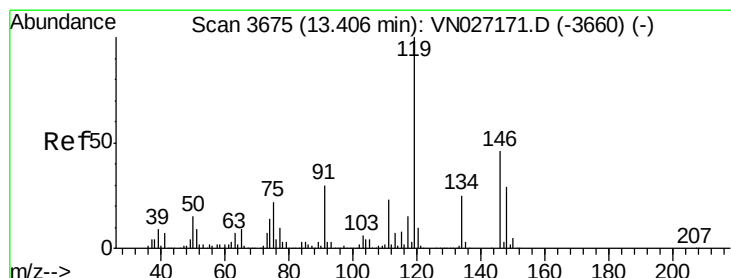
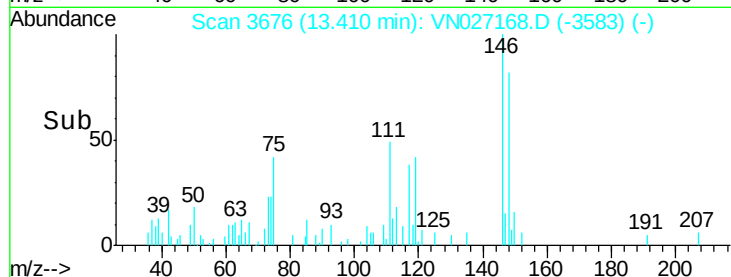
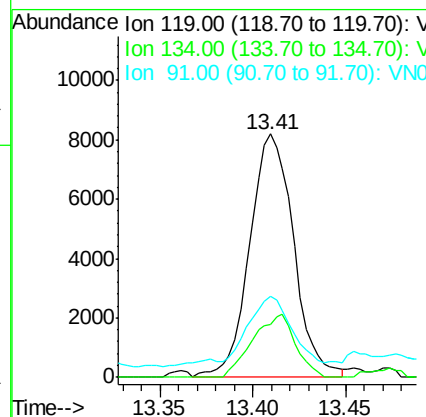
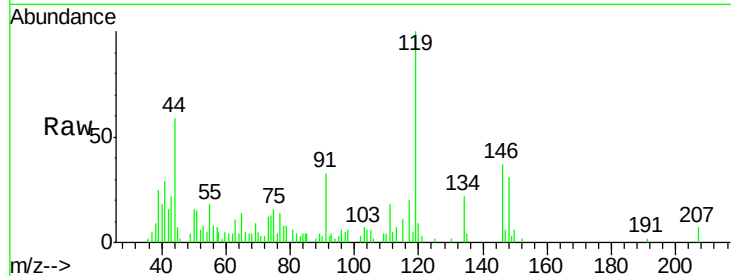




#87
 p-Isopropyltoluene
 Concen: 0.82 ug/l
 RT: 13.41 min Scan# 3676
 Delta R.T. 0.00 min
 Lab File: VN027168.D
 Acq: 15 Sep 2015 15:29

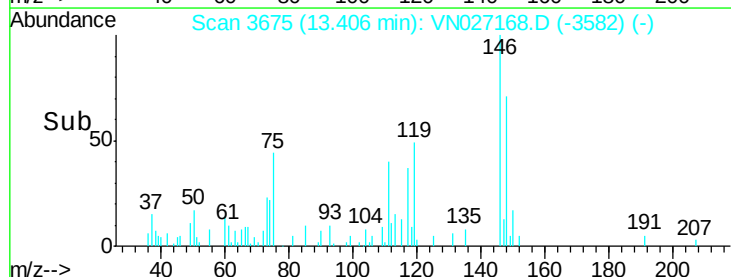
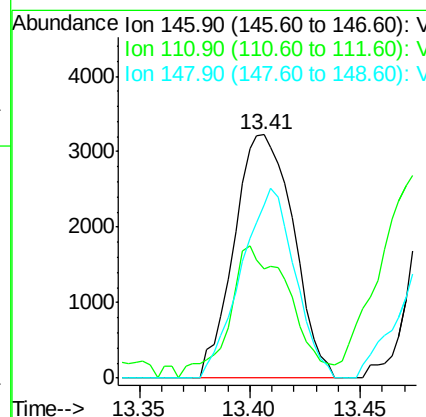
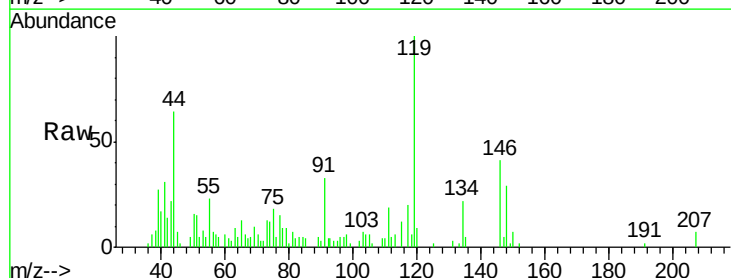
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

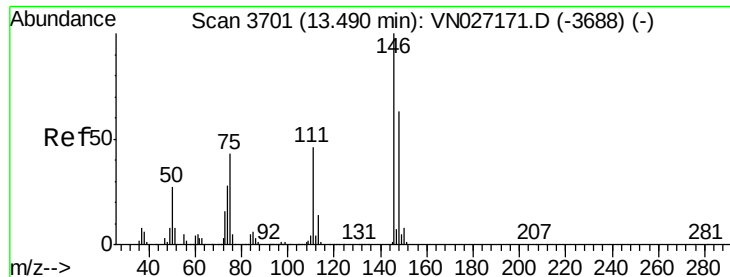
Tot Ion:119 Resp: 13492
 Ion Ratio Lower Upper
 119 100
 134 25.1 12.4 37.0
 91 25.8 12.0 36.1



#88
 1,3-Dichlorobenzene
 Concen: 0.67 ug/l
 RT: 13.41 min Scan# 3675
 Delta R.T. 0.00 min
 Lab File: VN027168.D
 Acq: 15 Sep 2015 15:29

Tgt Ion:146 Resp: 5980
 Ion Ratio Lower Upper
 146 100
 111 55.8 21.0 63.0
 148 71.0 31.9 95.9





#89

1,4-Dichlorobenzene

Concen: 0.66 ug/l

RT: 13.41 min Scan# 3675

Delta R.T. -0.08 min

Lab File: VN027168.D

Acq: 15 Sep 2015 15:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

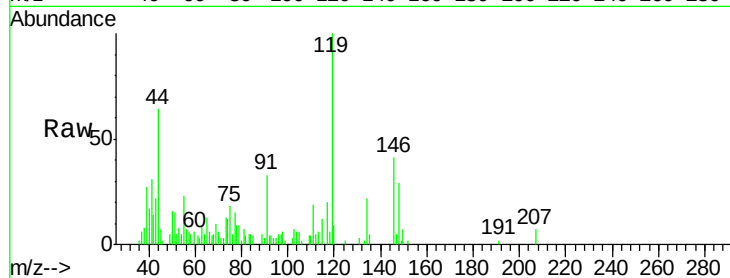
Tot Ion:146 Resp: 5980

Ion Ratio Lower Upper

146 100

111 55.8 19.9 59.6

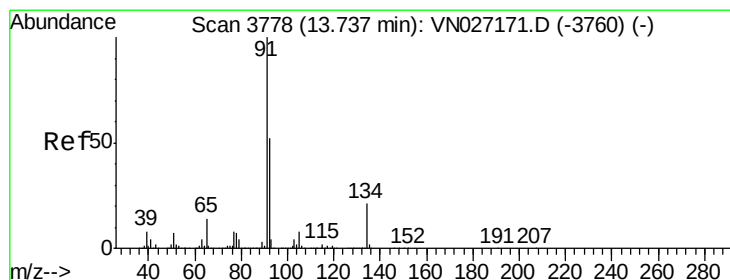
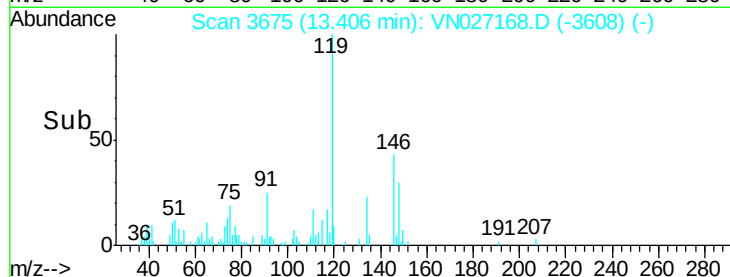
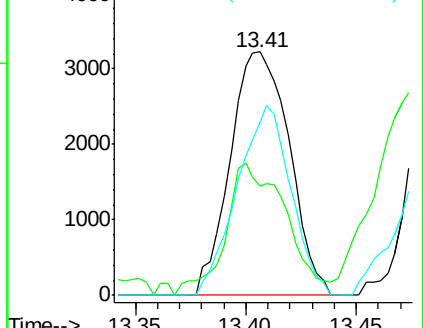
148 71.0 31.7 95.1



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: 0.78 ug/l

RT: 13.74 min Scan# 3780

Delta R.T. 0.01 min

Lab File: VN027168.D

Acq: 15 Sep 2015 15:29

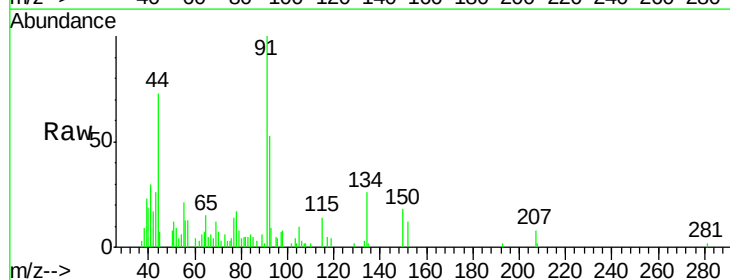
Tgt Ion: 91 Resp: 11146

Ion Ratio Lower Upper

91 100

92 58.3 26.1 78.2

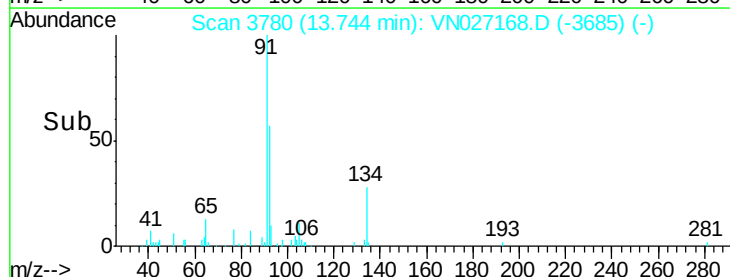
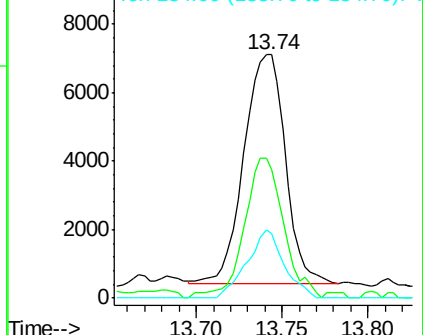
134 26.4 11.1 33.1

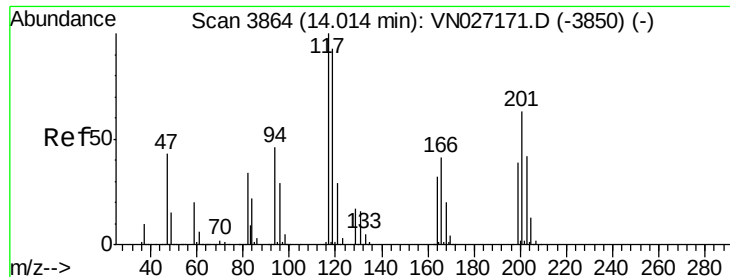


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V





#91

Hexachloroethane

Concen: 0.97 ug/l

RT: 14.02 min Scan# 3865

Delta R.T. 0.00 min

Lab File: VN027168.D

Acq: 15 Sep 2015 15:29

Instrument :

MSVOA_N

ClientSampleId :

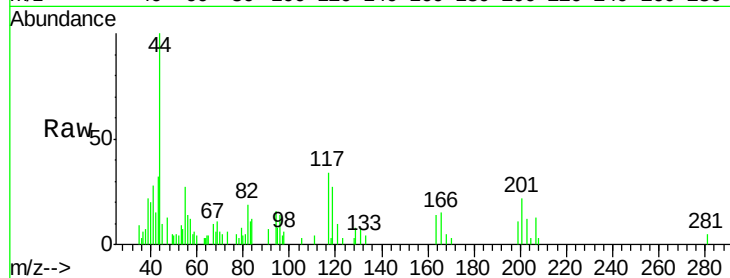
VSTDIC001

Tot Ion:117 Resp: 3167

Ion Ratio Lower Upper

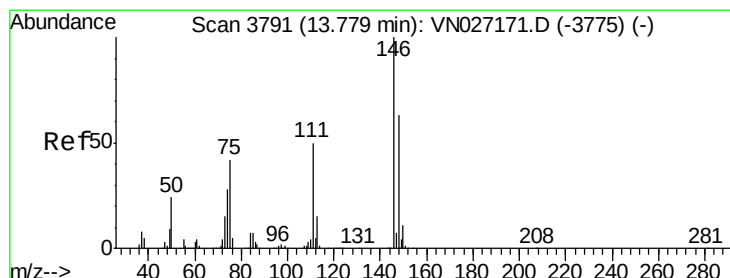
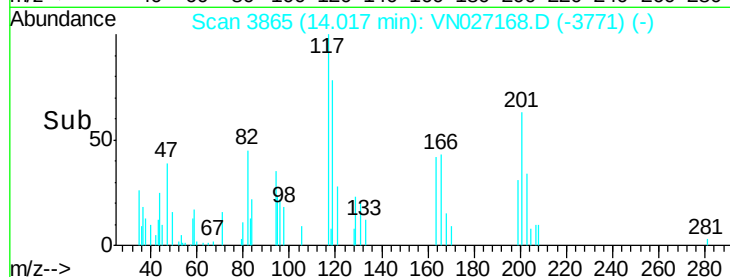
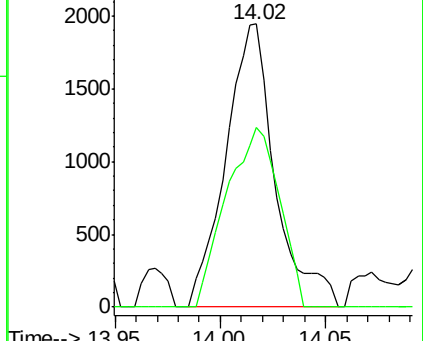
117 100

201 68.2 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: 0.74 ug/l

RT: 13.78 min Scan# 3792

Delta R.T. 0.00 min

Lab File: VN027168.D

Acq: 15 Sep 2015 15:29

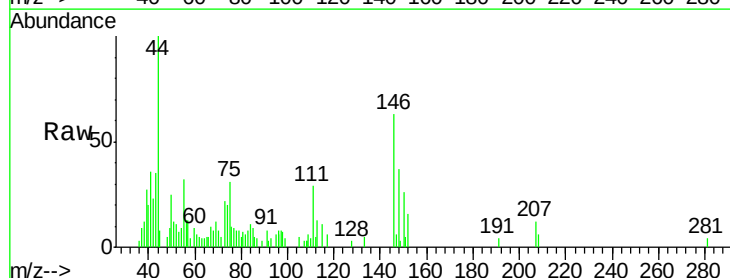
Tgt Ion:146 Resp: 6501

Ion Ratio Lower Upper

146 100

111 53.1 22.1 66.3

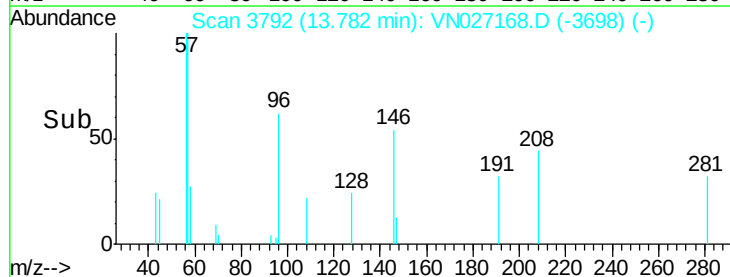
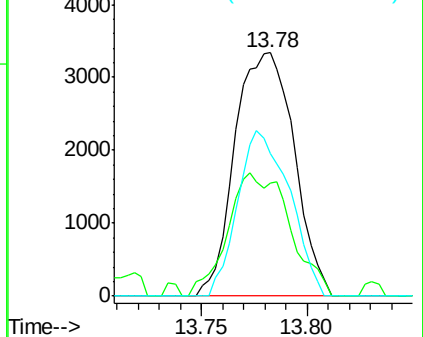
148 59.6 32.0 96.0

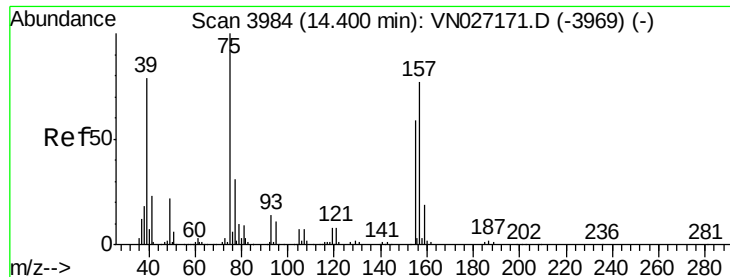


Abundance Ion 145.90 (145.60 to 146.60): V

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: 1.86 ug/l

RT: 14.40 min Scan# 3985

Delta R.T. 0.00 min

Lab File: VN027168.D

Acq: 15 Sep 2015 15:29

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

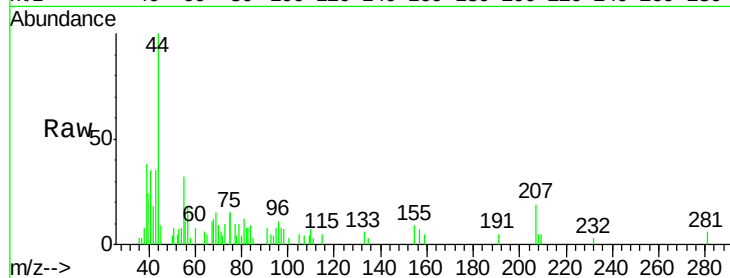
Tot Ion: 75 Resp: 1612

Ion Ratio Lower Upper

75 100

155 32.2 35.6 106.9#

157 40.9 44.6 133.8#

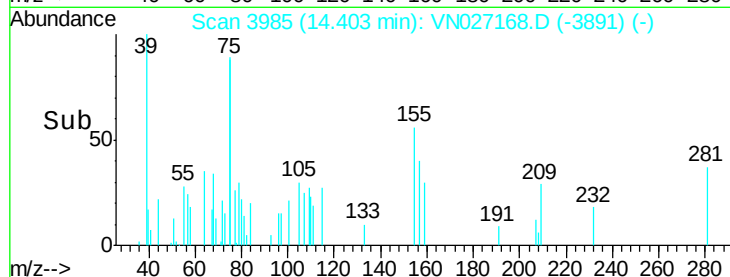


Abundance Ion 74.90 (74.60 to 75.60): VN027171.D (-3969) (-)

Ion 154.80 (154.50 to 155.50): VN027171.D (-3969) (-)

Ion 156.80 (156.50 to 157.50): VN027171.D (-3969) (-)

Time-->

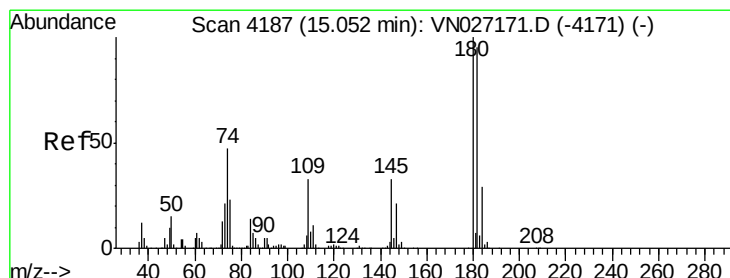


Abundance Ion 74.90 (74.60 to 75.60): VN027168.D (-3891) (-)

Ion 154.80 (154.50 to 155.50): VN027168.D (-3891) (-)

Ion 156.80 (156.50 to 157.50): VN027168.D (-3891) (-)

Time-->



#94

1,2,4-Trichlorobenzene

Concen: 0.45 ug/l

RT: 15.06 min Scan# 4188

Delta R.T. 0.00 min

Lab File: VN027168.D

Acq: 15 Sep 2015 15:29

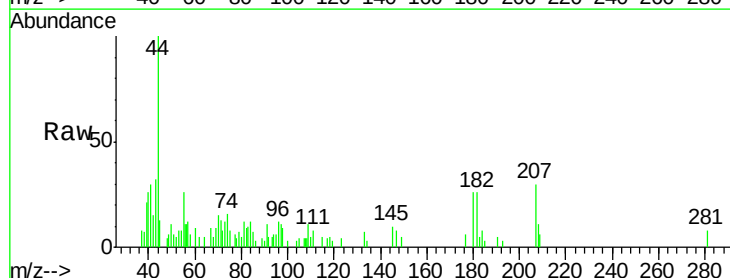
Tgt Ion: 180 Resp: 2017

Ion Ratio Lower Upper

180 100

182 121.3 47.5 142.5

145 41.6 15.1 45.3

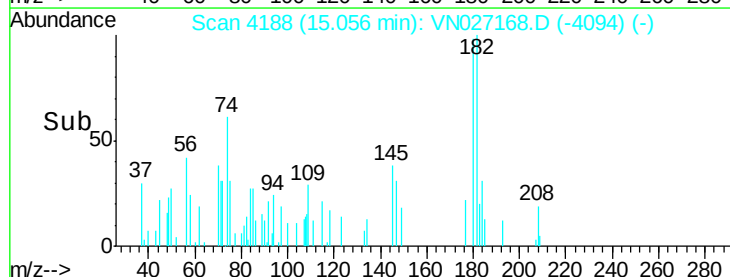


Abundance Ion 179.80 (179.50 to 180.50): VN027171.D (-4171) (-)

Ion 181.80 (181.50 to 182.50): VN027171.D (-4171) (-)

Ion 144.80 (144.50 to 145.50): VN027171.D (-4171) (-)

Time-->

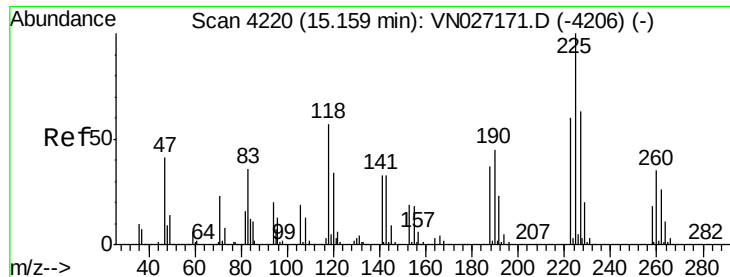


Abundance Ion 179.80 (179.50 to 180.50): VN027168.D (-4094) (-)

Ion 181.80 (181.50 to 182.50): VN027168.D (-4094) (-)

Ion 144.80 (144.50 to 145.50): VN027168.D (-4094) (-)

Time-->



#95

Hexachlorobutadiene

Concen: 0.76 ug/l

RT: 15.16 min Scan# 4219

Delta R.T. -0.00 min

Lab File: VN027168.D

Acq: 15 Sep 2015 15:29

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

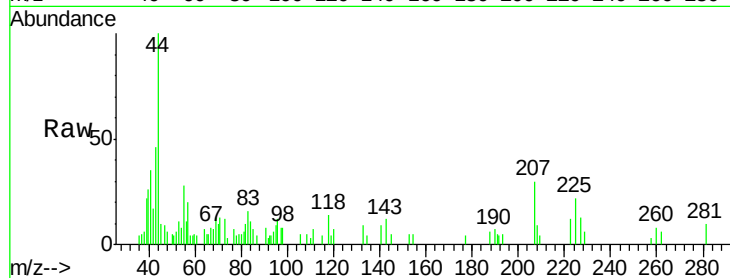
Tot Ion:225 Resp: 1880

Ion Ratio Lower Upper

225 100

223 54.3 30.8 92.3

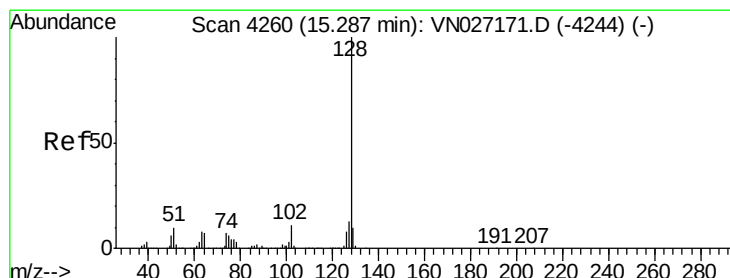
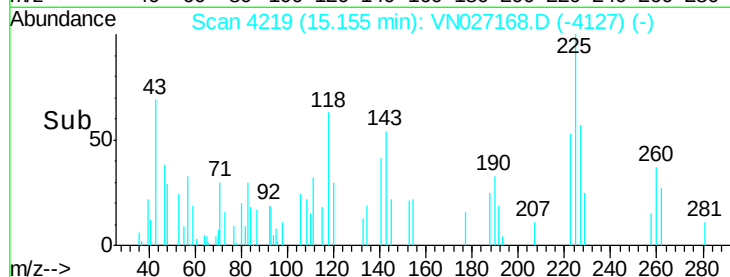
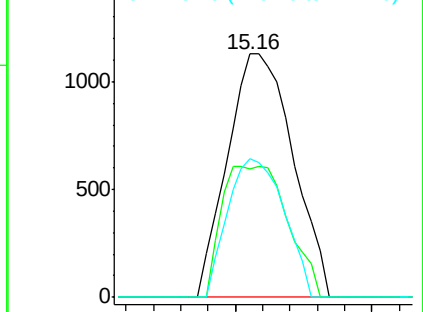
227 49.3 31.7 95.1



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: 0.58 ug/l

RT: 15.29 min Scan# 4260

Delta R.T. 0.00 min

Lab File: VN027168.D

Acq: 15 Sep 2015 15:29

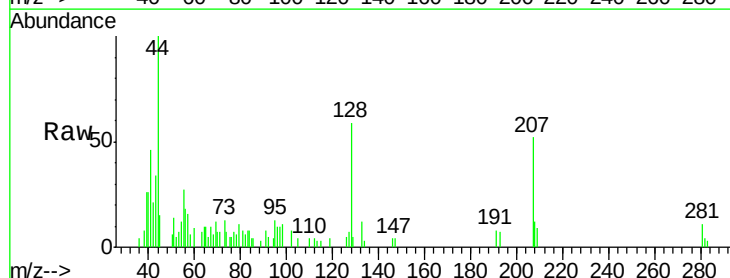
Tgt Ion:128 Resp: 6166

Ion Ratio Lower Upper

128 100

127 7.6 10.4 15.6#

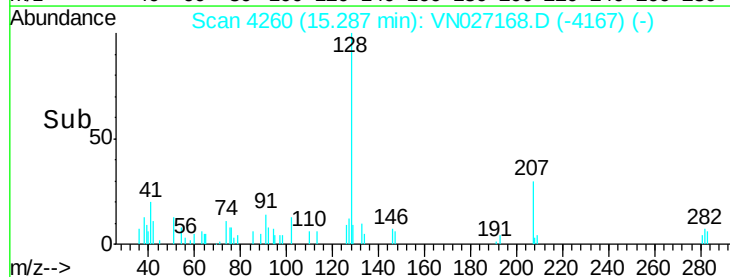
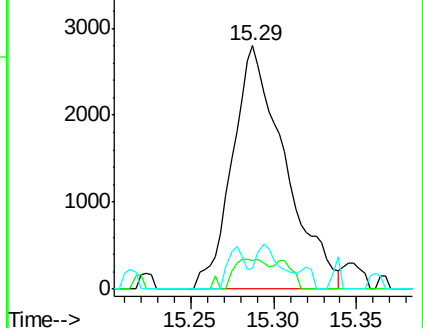
129 8.9 8.6 12.8

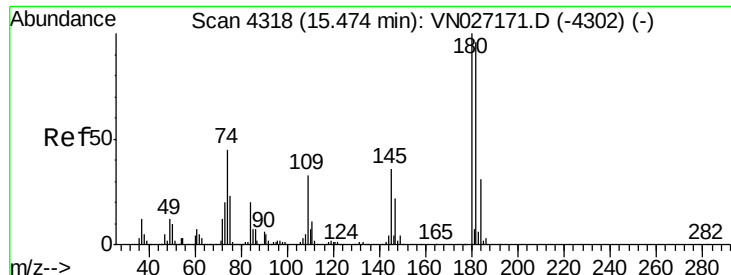


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

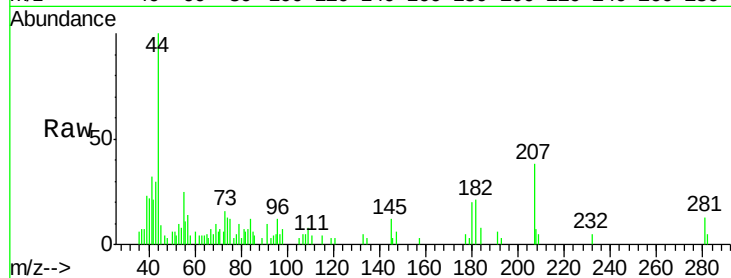




#97
 1,2,3-Trichlorobenzene
 Concen: 0.47 ug/l
 RT: 15.48 min Scan# 4319
 Delta R.T. 0.00 min
 Lab File: VN027168.D
 Acq: 15 Sep 2015 15:29

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
180	100		
182	107.2	48.8	146.4
145	47.6	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

