

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN061318\
 Data File : VN049211.D
 Acq On : 13 Jun 2018 20:10
 Operator : MD\SY
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Quant Time: Jun 14 04:25:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061318W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 14 04:25:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	735656	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1240178	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1054223	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	304938	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	15516	1.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.62%	
35) Dibromofluoromethane	7.60	113	12710	1.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.48%	
50) Toluene-d8	10.09	98	40147	1.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.04%	
62) 4-Bromofluorobenzene	12.40	95	13896	1.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.12%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	12004	1.11	ug/l	99
3) Chloromethane	2.06	50	13322	1.20	ug/l #	87
4) Vinyl Chloride	2.18	62	12208	1.10	ug/l	96
5) Bromomethane	2.57	94	10043	1.65	ug/l	93
6) Chloroethane	2.71	64	9023	1.27	ug/l	93
7) Trichlorofluoromethane	3.01	101	17796	1.18	ug/l	88
8) Diethyl Ether	3.40	74	6782	1.28	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.75	101	12538	1.36	ug/l #	58
10) Methyl Iodide	3.94	142	5909	0.67	ug/l #	95
11) Tert butyl alcohol	4.79	59	3204	4.83	ug/l #	70
12) 1,1-Dichloroethene	3.73	96	10253	1.21	ug/l	89
13) Acrolein	3.61	56	6267	10.24	ug/l	96
14) Allyl chloride	4.33	41	18600	1.15	ug/l	95
15) Acrylonitrile	5.00	53	16529	4.63	ug/l #	80
16) Acetone	3.82	43	18632	6.73	ug/l	99
17) Carbon Disulfide	4.05	76	40757	1.46	ug/l	98
18) Methyl Acetate	4.33	43	25395	2.84	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	17216	0.69	ug/l	95
20) Methylene Chloride	4.55	84	15360	1.49	ug/l	94
21) trans-1,2-Dichloroethene	5.03	96	6116	0.63	ug/l #	70
22) Diisopropyl ether	5.96	45	33336	0.97	ug/l #	88
23) Vinyl Acetate	5.90	43	105456	4.50	ug/l	100
24) 1,1-Dichloroethane	5.85	63	23992	1.23	ug/l #	94
25) 2-Butanone	6.84	43	21621	5.15	ug/l #	83
26) 2,2-Dichloropropane	6.83	77	17624	1.14	ug/l #	72
27) cis-1,2-Dichloroethene	6.84	96	11845	1.10	ug/l	99
28) Bromochloromethane	7.19	49	10715	1.26	ug/l #	100
29) Tetrahydrofuran	7.22	42	13686	5.08	ug/l	89
30) Chloroform	7.37	83	22719	1.19	ug/l	100
31) Cyclohexane	7.66	56	18546	1.03	ug/l #	37
32) 1,1,1-Trichloroethane	7.57	97	19739	1.21	ug/l #	52
36) 1,1-Dichloropropene	7.79	75	14514	0.94	ug/l	93
37) Ethyl Acetate	6.94	43	8593	0.86	ug/l #	93
38) Carbon Tetrachloride	7.77	117	16560	1.09	ug/l	89

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061318W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 14 04:25:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	15301	0.94	ug/l	89
40) Benzene	8.04	78	47132	1.01	ug/l	95
41) Methacrylonitrile	7.18	41	4115	0.75	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	16260	1.07	ug/l	97
43) Isopropyl Acetate	8.17	43	15794	0.83	ug/l #	87
44) Trichloroethene	8.84	130	13205	1.16	ug/l	87
45) 1,2-Dichloropropane	9.12	63	13390	1.05	ug/l #	88
46) Dibromomethane	9.21	93	7565	1.07	ug/l	98
47) Bromodichloromethane	9.40	83	16588	1.05	ug/l #	98
48) Methyl methacrylate	9.20	41	8170	0.90	ug/l	91
49) 1,4-Dioxane	9.21	88	2456	24.15	ug/l #	72
51) 4-Methyl-2-Pentanone	9.99	43	40891	4.08	ug/l	97
52) Toluene	10.16	92	25258	0.91	ug/l	96
53) t-1,3-Dichloropropene	10.38	75	13410	0.85	ug/l #	79
54) cis-1,3-Dichloropropene	9.84	75	15877	0.87	ug/l	89
55) 1,1,2-Trichloroethane	10.56	97	10230	1.03	ug/l	97
56) Ethyl methacrylate	10.43	69	8868	0.69	ug/l	93
57) 1,3-Dichloropropane	10.71	76	16670	0.96	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	12228	2.87	ug/l	95
59) 2-Hexanone	10.76	43	23985	3.72	ug/l	94
60) Dibromochloromethane	10.90	129	10715	0.97	ug/l	96
61) 1,2-Dibromoethane	11.01	107	9340	1.00	ug/l	96
64) Tetrachloroethene	10.63	164	12119	1.19	ug/l	95
65) Chlorobenzene	11.44	112	28767	1.06	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	11611	1.15	ug/l #	62
67) Ethyl Benzene	11.51	91	43074	0.89	ug/l	96
68) m/p-Xylenes	11.63	106	27861	1.55	ug/l	98
69) o-Xylene	11.95	106	12861	0.75	ug/l	91
70) Styrene	11.97	104	19256	0.69	ug/l	95
71) Bromoform	12.13	173	6060	0.92	ug/l #	93
73) Isopropylbenzene	12.25	105	34923	1.24	ug/l	100
74) N-amyl acetate	12.08	43	9417	1.12	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.51	83	11175	1.62	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	13395	2.28	ug/l #	100
77) Bromobenzene	12.53	156	9975	1.50	ug/l	97
78) n-propylbenzene	12.59	91	34630	1.07	ug/l	96
79) 2-Chlorotoluene	12.68	91	24561	1.25	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	21677	0.96	ug/l	92
81) trans-1,4-Dichloro-2-buten	12.30	75	2193	1.19	ug/l #	83
82) 4-Chlorotoluene	12.78	91	20184	1.05	ug/l	97
83) tert-Butylbenzene	13.00	119	21455	1.13	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	20695	0.91	ug/l	98
85) sec-Butylbenzene	13.17	105	25336	0.98	ug/l	99
86) p-Isopropyltoluene	13.29	119	17825	0.83	ug/l	94
87) 1,3-Dichlorobenzene	13.29	146	12055	1.05	ug/l	98
88) 1,4-Dichlorobenzene	13.29	146	12055	1.09	ug/l	97
89) n-Butylbenzene	13.62	91	10036	0.58	ug/l	95
90) Hexachloroethane	13.88	117	6754	1.46	ug/l	96
91) 1,2-Dichlorobenzene	13.66	146	12789	1.16	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	1222	1.23	ug/l	96

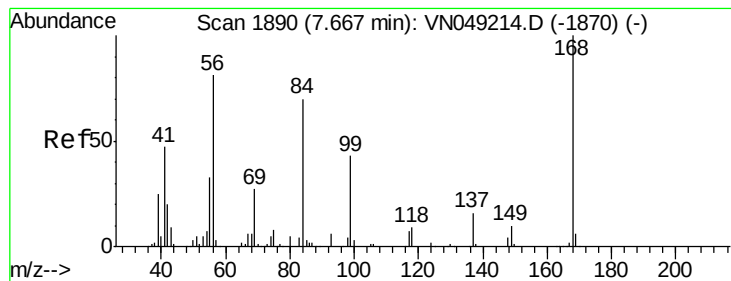
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN061318\
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Quant Title : SW846 8260
QLast Update : Thu Jun 14 04:25:48 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	3803	0.87	ug/l	92
94) Hexachlorobutadiene	15.01	225	4068	1.23	ug/l	98
95) Naphthalene	15.14	128	8647	0.91	ug/l #	96
96) 1,2,3-Trichlorobenzene	15.32	180	5114	1.15	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN049211.D

Acq: 13 Jun 2018 20:10

Instrument :

MSVOA_N

ClientSampleId :

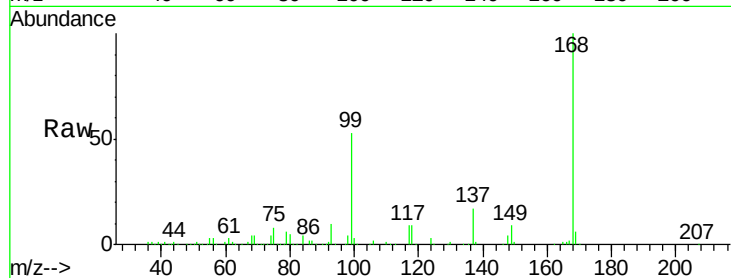
VSTDIC001

Tgt Ion: 168 Resp: 735656

Ion Ratio Lower Upper

168 100

99 52.8 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

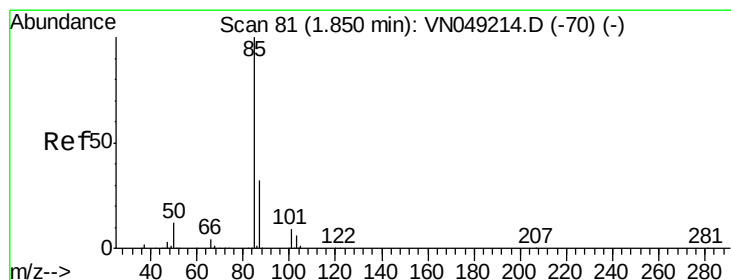
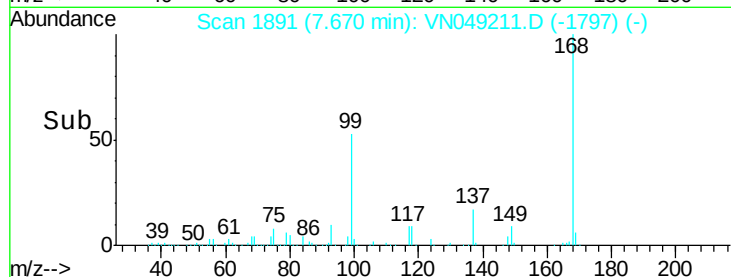
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 1.11 ug/l

RT: 1.85 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN049211.D

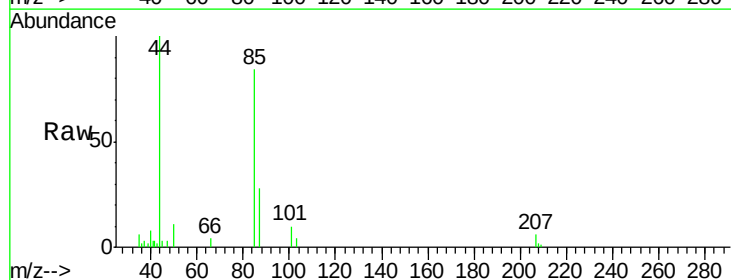
Acq: 13 Jun 2018 20:10

Tgt Ion: 85 Resp: 12004

Ion Ratio Lower Upper

85 100

87 33.1 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

10000

8000

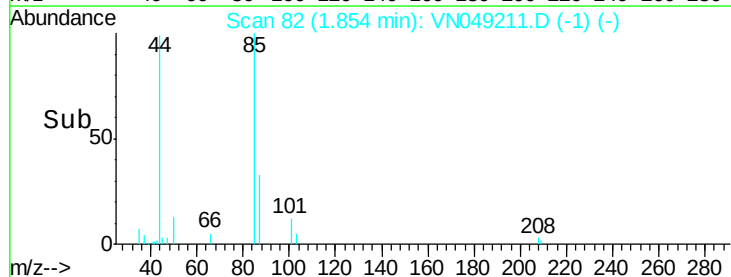
6000

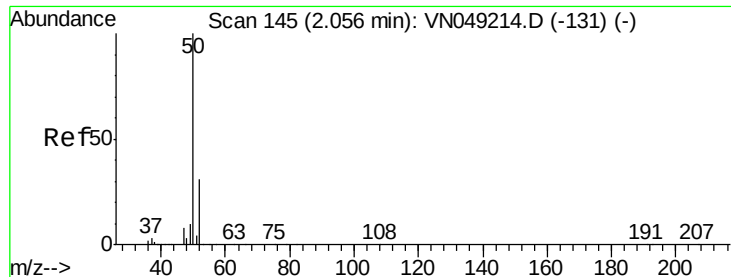
4000

2000

0

Time-->





#3

Chloromethane

Concen: 1.20 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN049211.D

Acq: 13 Jun 2018 20:10

Instrument :

MSVOA_N

ClientSampleId :

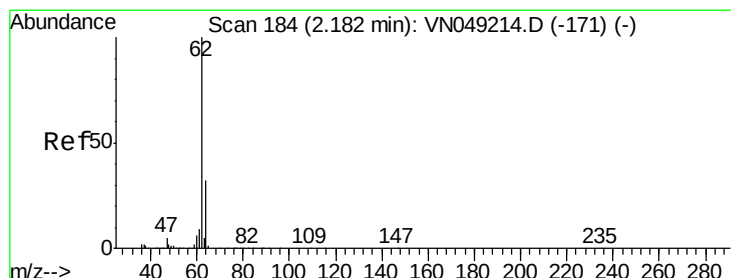
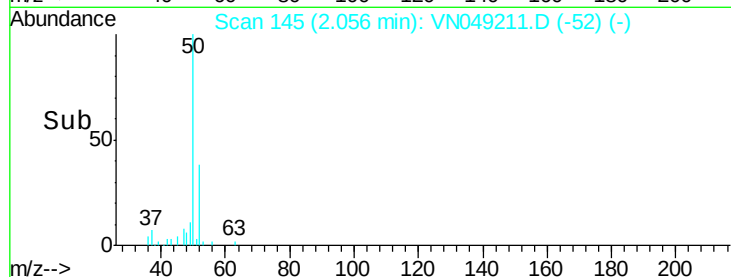
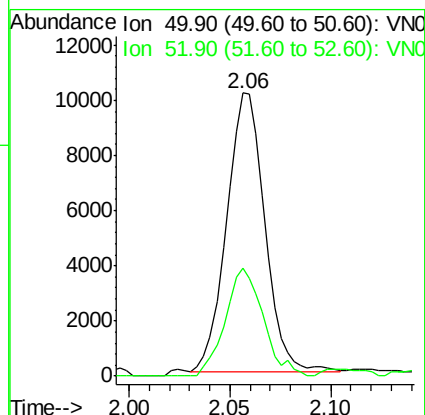
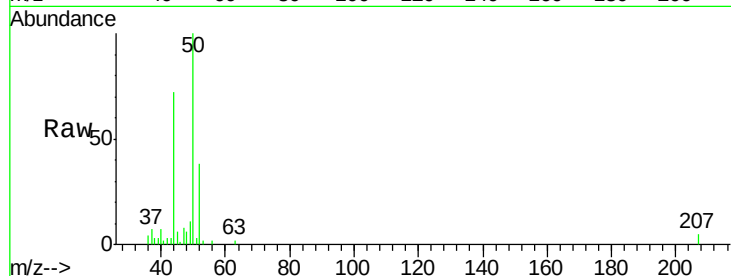
VSTDIC001

Tgt Ion: 50 Resp: 13322

Ion Ratio Lower Upper

50 100

52 38.7 25.2 37.8#



#4

Vinyl Chloride

Concen: 1.10 ug/l

RT: 2.18 min Scan# 185

Delta R.T. 0.00 min

Lab File: VN049211.D

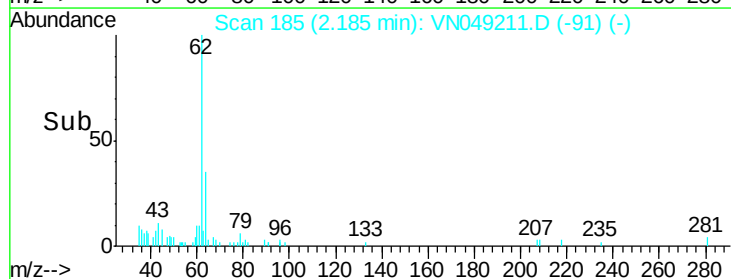
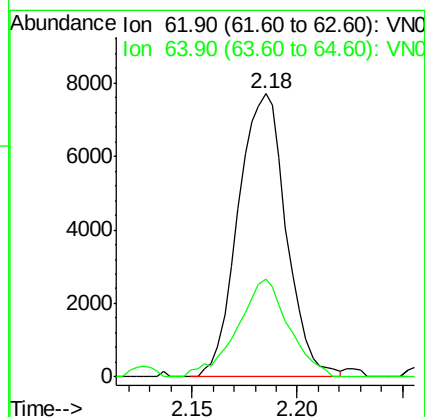
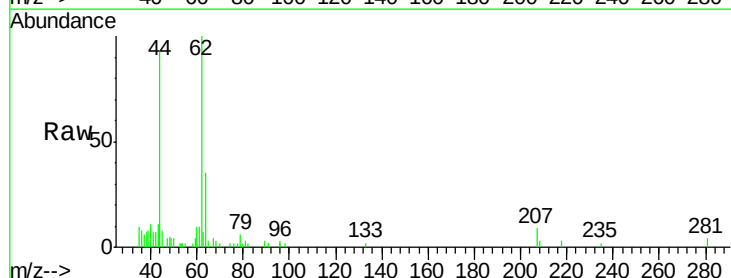
Acq: 13 Jun 2018 20:10

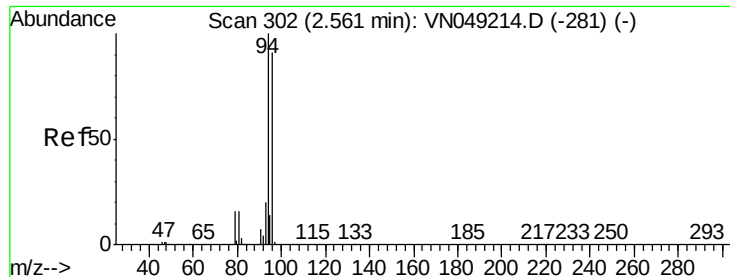
Tgt Ion: 62 Resp: 12208

Ion Ratio Lower Upper

62 100

64 34.5 25.7 38.5





#5

Bromomethane

Concen: 1.65 ug/l

RT: 2.57 min Scan# 305

Delta R.T. 0.01 min

Lab File: VN049211.D

Acq: 13 Jun 2018 20:10

Instrument :

MSVOA_N

ClientSampled :

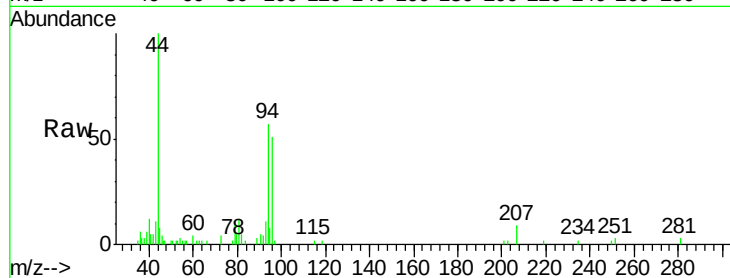
VSTDIC001

Tgt Ion: 94 Resp: 10043

Ion Ratio Lower Upper

94 100

96 84.3 72.8 109.2



Abundance Ion 93.90 (93.60 to 94.60): VN049211.D (-281) (-)

Ion 95.90 (95.60 to 96.60): VN049211.D (-281) (-)

2.57

6000

5000

4000

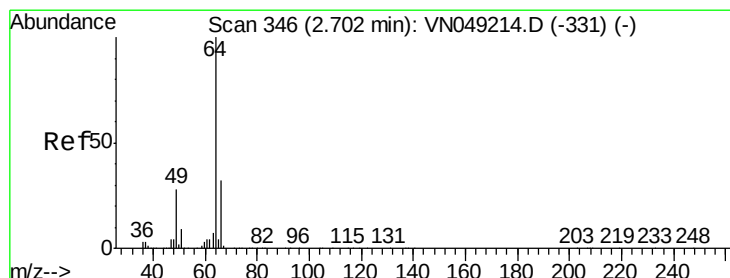
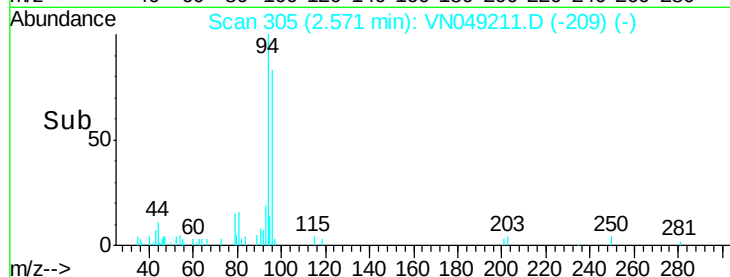
3000

2000

1000

0

Time-->



#6

Chloroethane

Concen: 1.27 ug/l

RT: 2.71 min Scan# 347

Delta R.T. 0.00 min

Lab File: VN049211.D

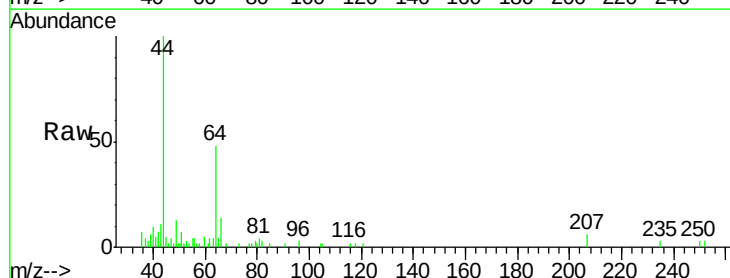
Acq: 13 Jun 2018 20:10

Tgt Ion: 64 Resp: 9023

Ion Ratio Lower Upper

64 100

66 28.4 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VN049211.D (-331) (-)

Ion 65.90 (65.60 to 66.60): VN049211.D (-331) (-)

2.71

5000

4000

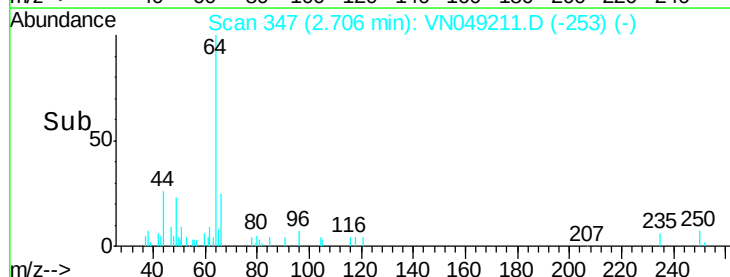
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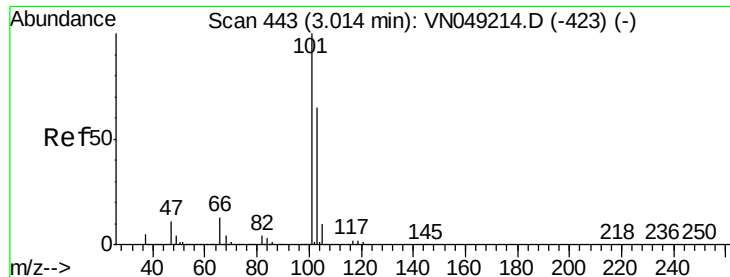
2000

1000

0

Time-->





#7

Trichlorofluoromethane

Concen: 1.18 ug/l

RT: 3.01 min Scan# 443

Delta R.T. 0.00 min

Lab File: VN049211.D

Acq: 13 Jun 2018 20:10

Instrument :

MSVOA_N

ClientSampleId :

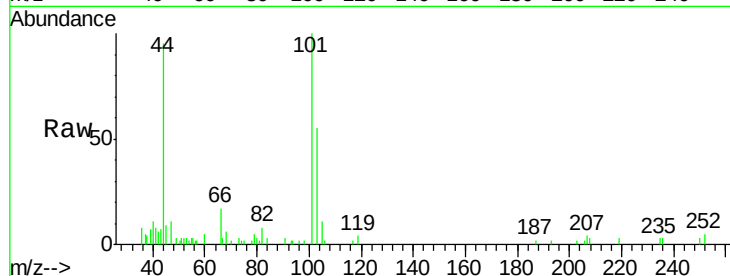
VSTDIC001

Tgt Ion:101 Resp: 17796

Ion Ratio Lower Upper

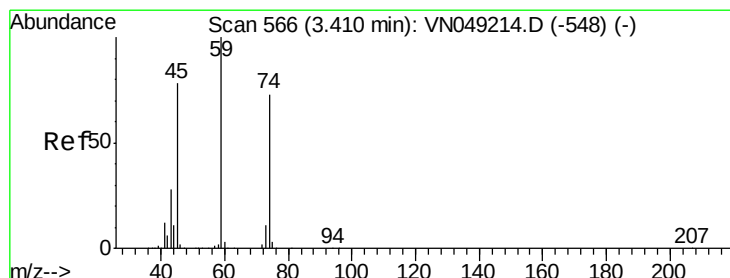
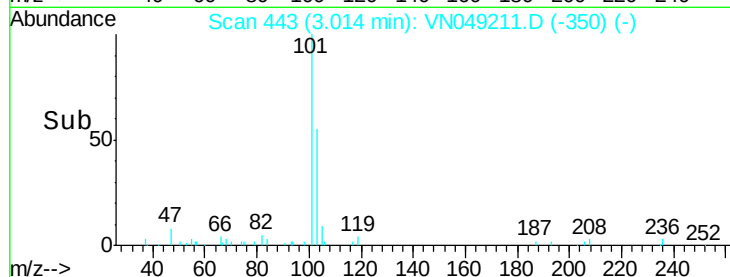
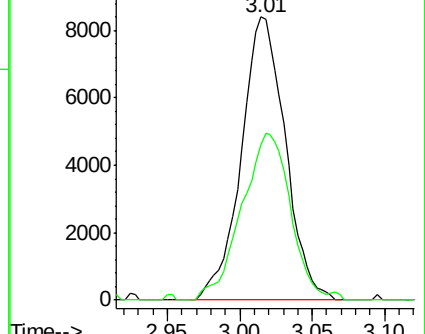
101 100

103 55.1 51.7 77.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 1.28 ug/l

RT: 3.40 min Scan# 564

Delta R.T. -0.01 min

Lab File: VN049211.D

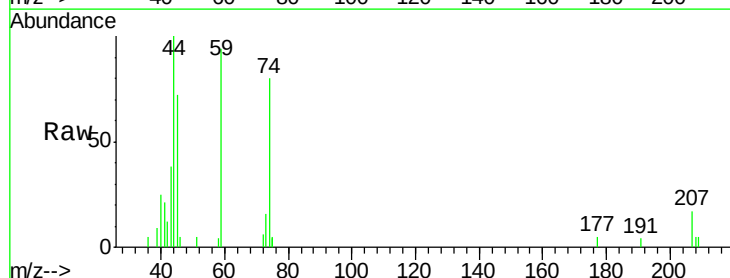
Acq: 13 Jun 2018 20:10

Tgt Ion: 74 Resp: 6782

Ion Ratio Lower Upper

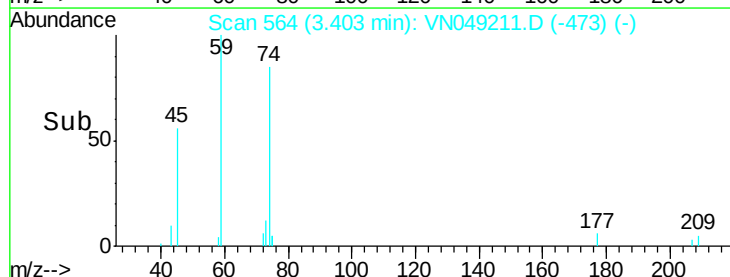
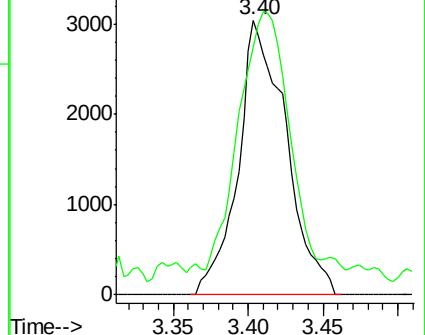
74 100

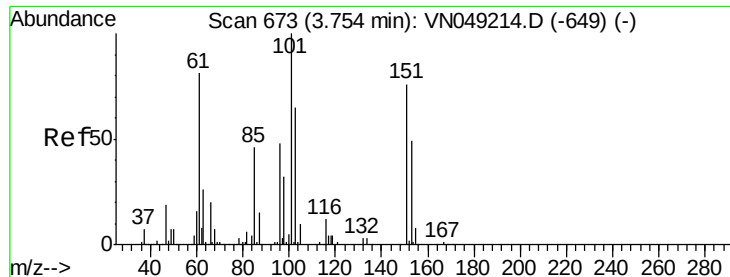
45 97.8 51.9 155.8



Abundance Ion 74.00 (73.70 to 74.70): V

Ion 45.00 (44.70 to 45.70): V





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.36 ug/l

RT: 3.75 min Scan# 671

Delta R.T. -0.01 min

Lab File: VN049211.D

Acq: 13 Jun 2018 20:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

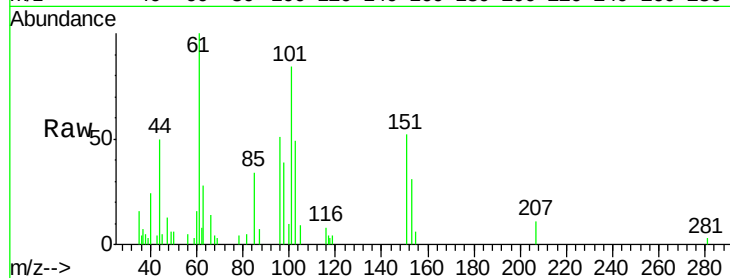
Tgt Ion:101 Resp: 12538

Ion Ratio Lower Upper

101 100

85 26.2 37.6 56.4#

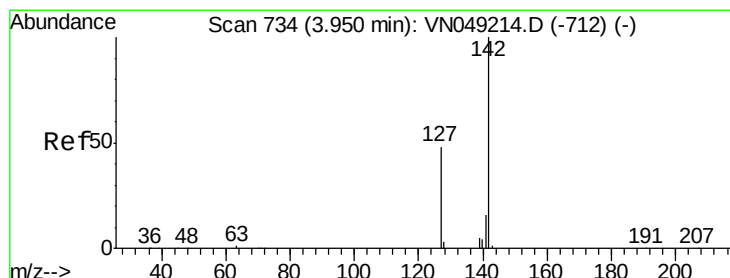
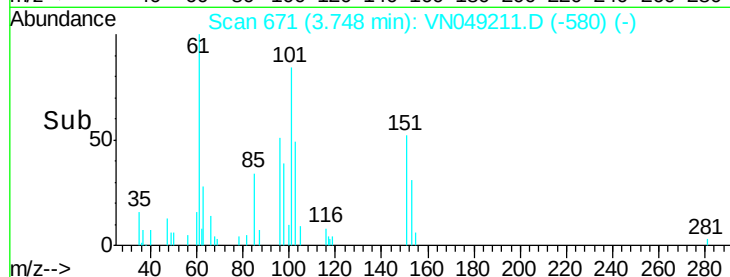
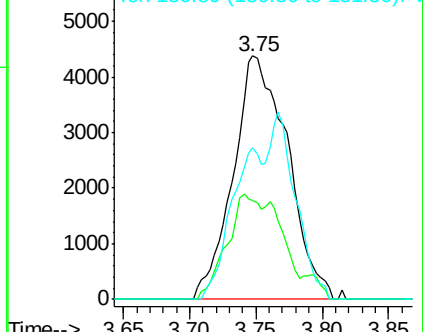
151 34.8 61.1 91.7#



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



#10

Methyl Iodide

Concen: 0.67 ug/l

RT: 3.94 min Scan# 732

Delta R.T. -0.01 min

Lab File: VN049211.D

Acq: 13 Jun 2018 20:10

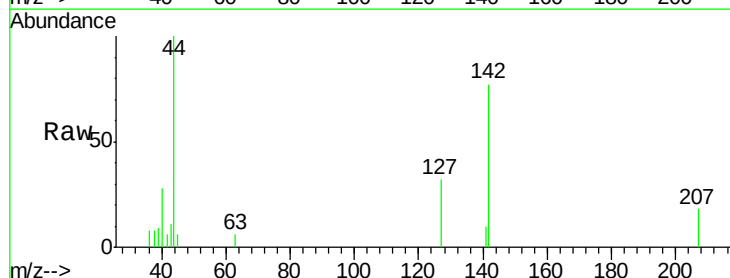
Tgt Ion:142 Resp: 5909

Ion Ratio Lower Upper

142 100

127 48.4 38.2 57.4

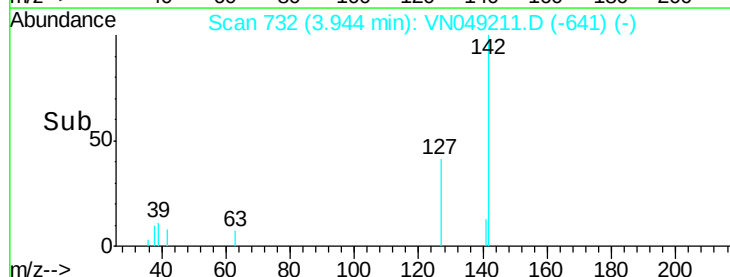
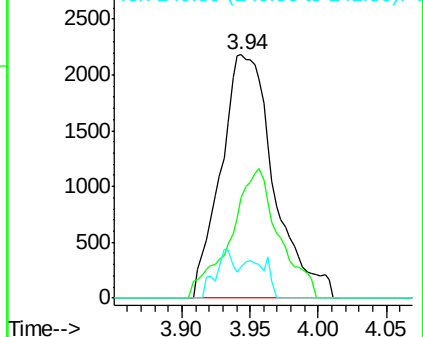
141 7.6 11.9 17.9#

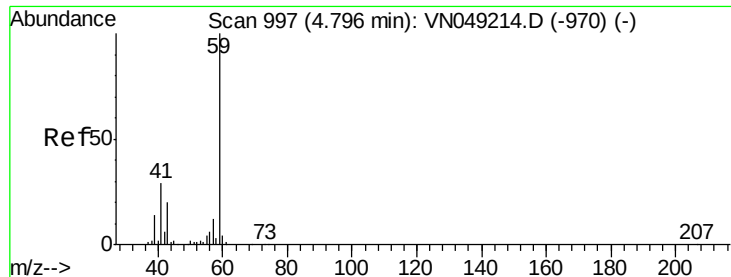


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

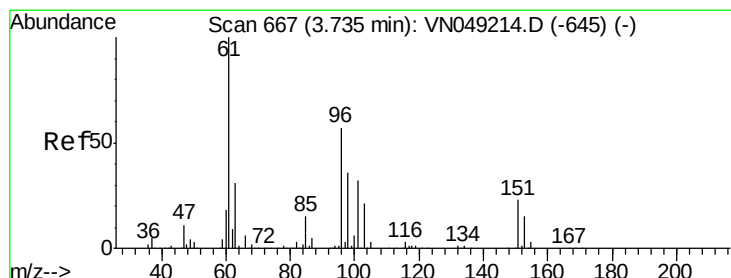
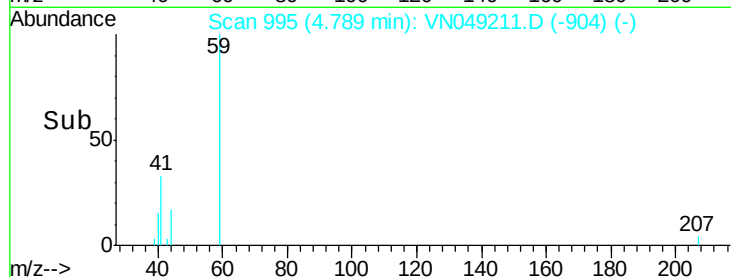
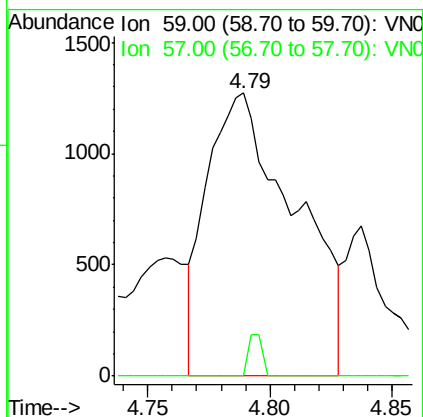
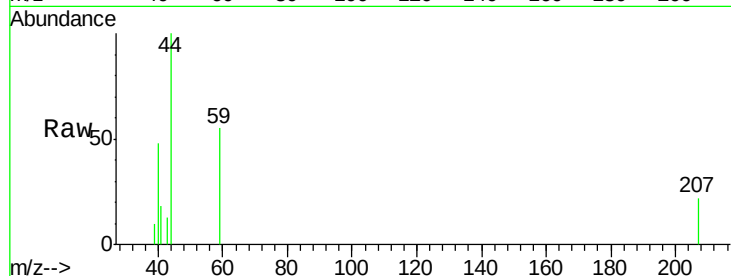




#11
Tert butyl alcohol
Concen: 4.83 ug/l
RT: 4.79 min Scan# 995
Delta R.T. -0.01 min
Lab File: VN049211.D
Acq: 13 Jun 2018 20:10

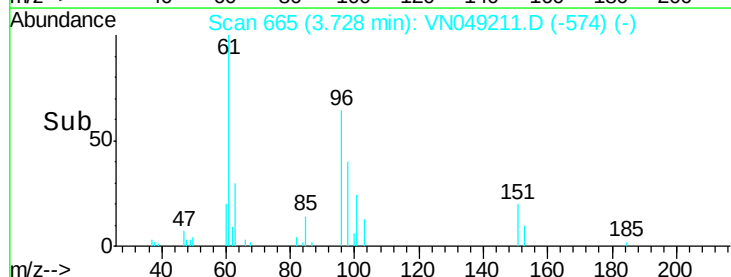
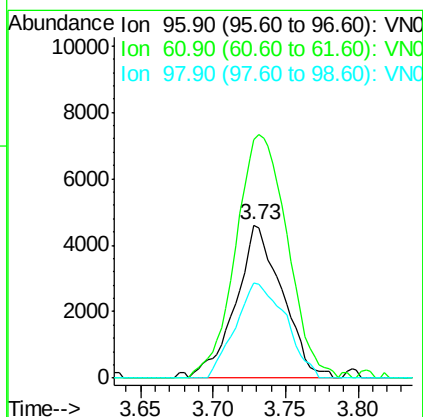
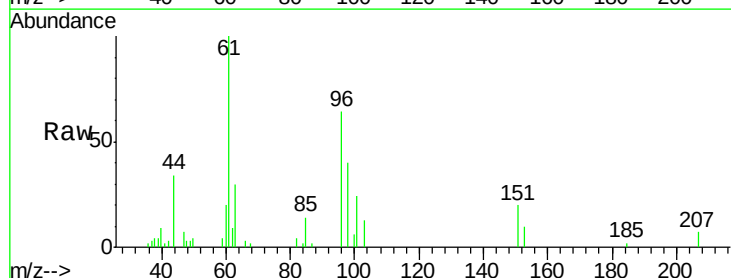
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

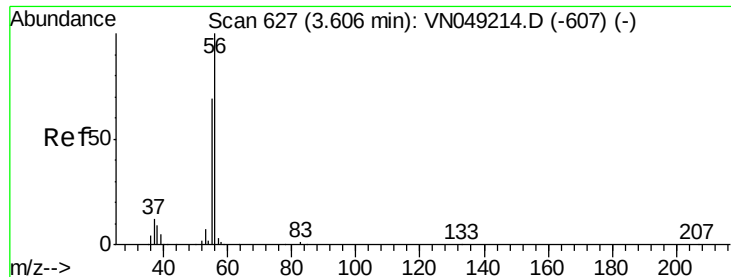
Tgt Ion: 59 Resp: 3204
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.6#



#12
1,1-Dichloroethene
Concen: 1.21 ug/l
RT: 3.73 min Scan# 665
Delta R.T. -0.01 min
Lab File: VN049211.D
Acq: 13 Jun 2018 20:10

Tgt Ion: 96 Resp: 10253
Ion Ratio Lower Upper
96 100
61 155.8 141.0 211.4
98 62.4 50.4 75.6





#13

Acrolein

Concen: 10.24 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN049211.D

Acq: 13 Jun 2018 20:10

Instrument :

MSVOA_N

ClientSampleId :

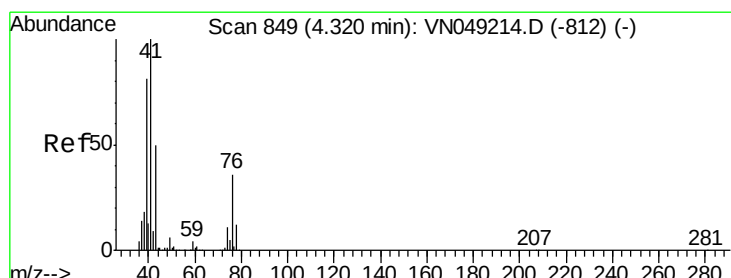
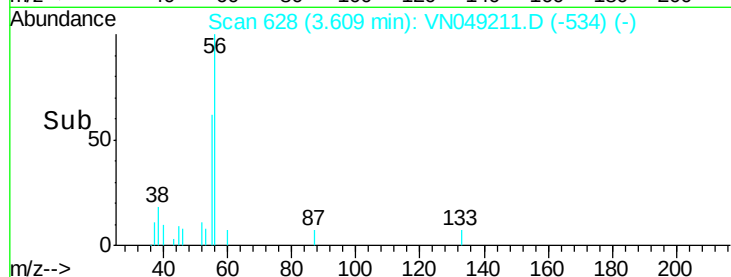
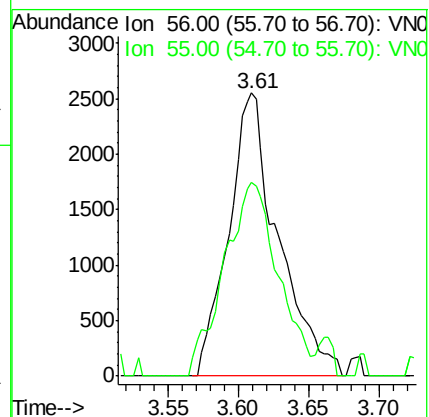
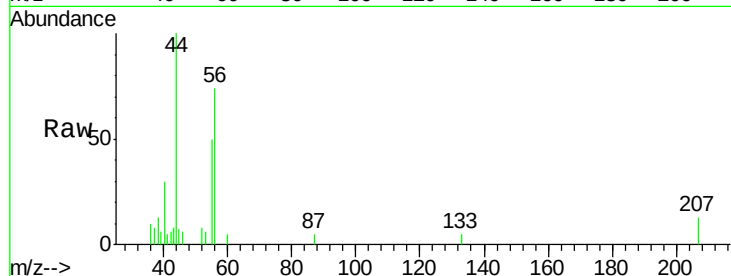
VSTDIC001

Tgt Ion: 56 Resp: 6267

Ion Ratio Lower Upper

56 100

55 74.5 57.1 85.7



#14

Allyl chloride

Concen: 1.15 ug/l

RT: 4.33 min Scan# 851

Delta R.T. 0.01 min

Lab File: VN049211.D

Acq: 13 Jun 2018 20:10

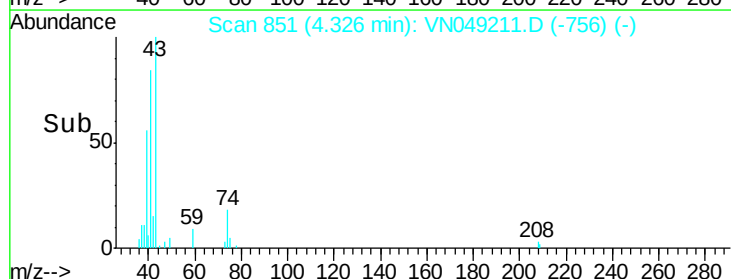
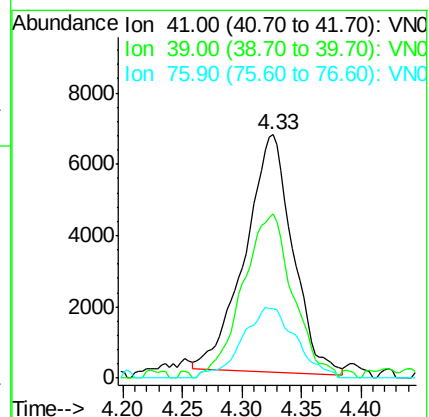
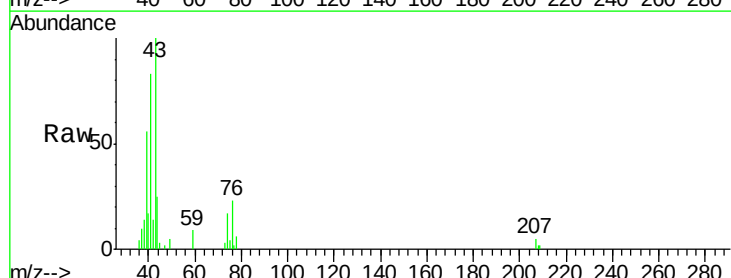
Tgt Ion: 41 Resp: 18600

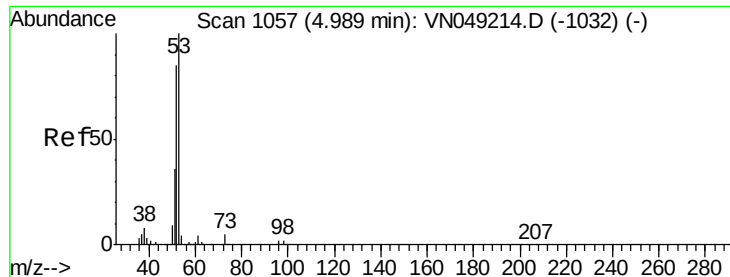
Ion Ratio Lower Upper

41 100

39 72.6 62.5 93.7

76 33.4 27.1 40.7





#15

Acrylonitrile

Concen: 4.63 ug/l

RT: 5.00 min Scan# 1060

Delta R.T. 0.01 min

Lab File: VN049211.D

Acq: 13 Jun 2018 20:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

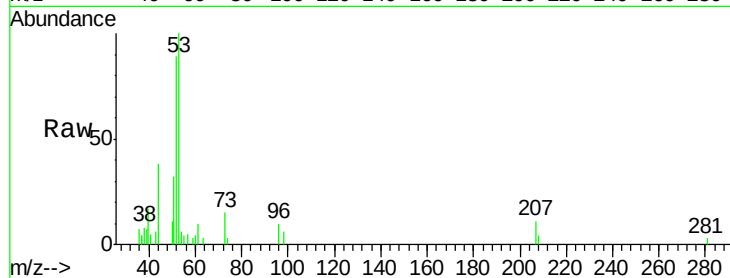
Tgt Ion: 53 Resp: 16529

Ion Ratio Lower Upper

53 100

52 100.9 66.6 100.0#

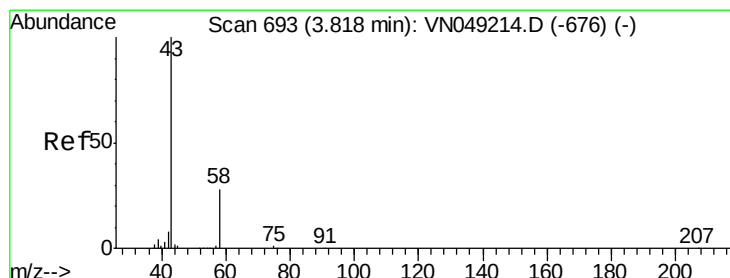
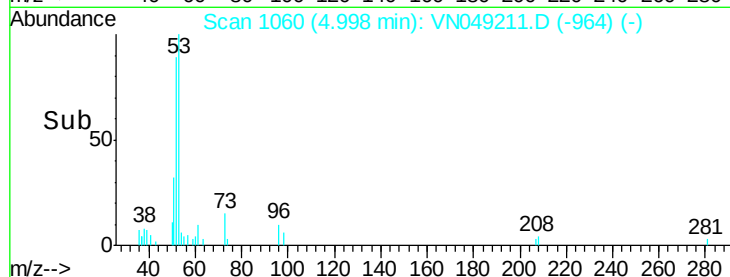
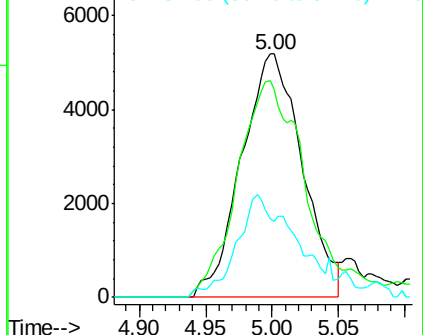
51 24.0 29.8 44.8#



Abundance Ion 53.00 (52.70 to 53.70): VN049211.D (-1032) (-)

Ion 52.00 (51.70 to 52.70): VN049211.D (-1032) (-)

Ion 51.00 (50.70 to 51.70): VN049211.D (-1032) (-)



#16

Acetone

Concen: 6.73 ug/l

RT: 3.82 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN049211.D

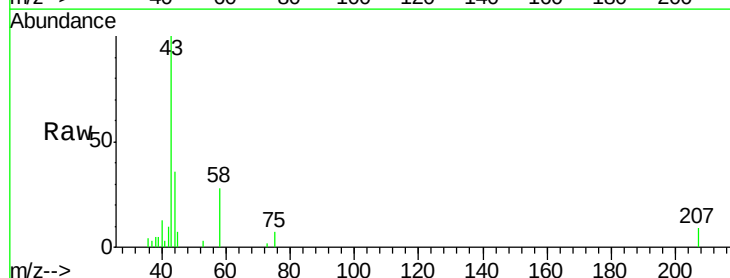
Acq: 13 Jun 2018 20:10

Tgt Ion: 43 Resp: 18632

Ion Ratio Lower Upper

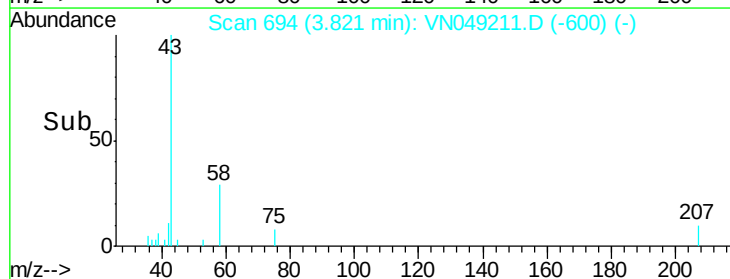
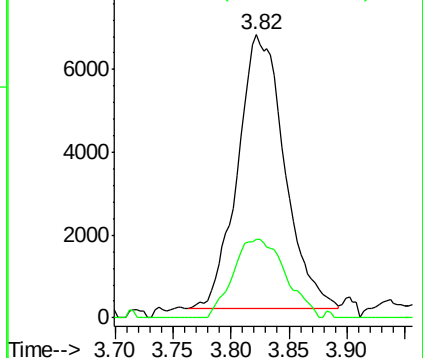
43 100

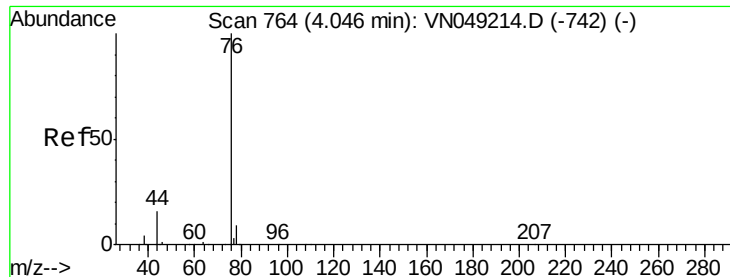
58 28.6 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VN049211.D (-600) (-)

Ion 58.00 (57.70 to 58.70): VN049211.D (-600) (-)





#17

Carbon Disulfide

Concen: 1.46 ug/l

RT: 4.05 min Scan# 765

Delta R.T. 0.00 min

Lab File: VN049211.D

Acq: 13 Jun 2018 20:10

Instrument :

MSVOA_N

ClientSampleId :

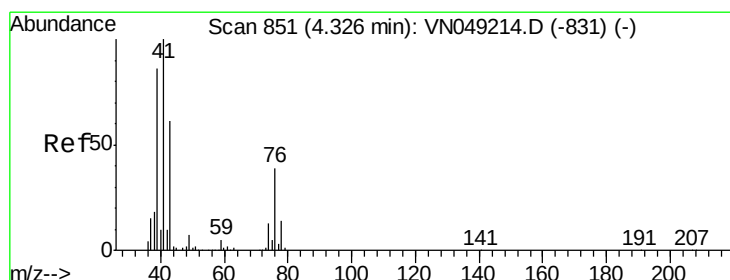
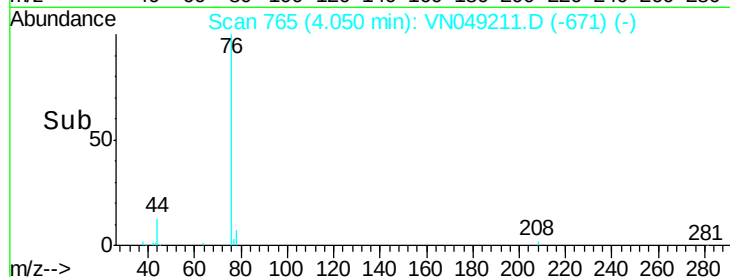
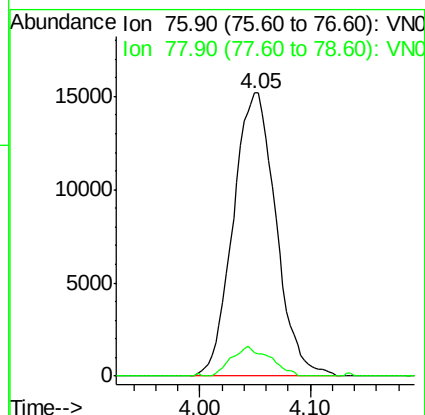
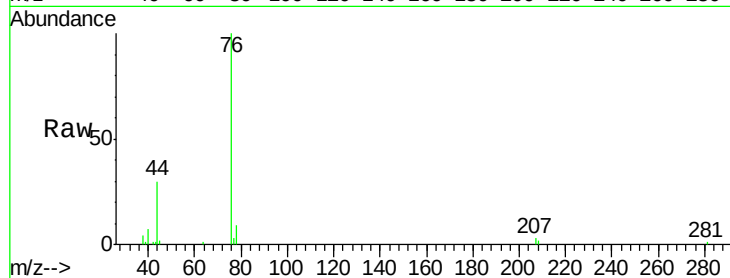
VSTDIC001

Tgt Ion: 76 Resp: 40757

Ion Ratio Lower Upper

76 100

78 8.5 7.4 11.0



#18

Methyl Acetate

Concen: 2.84 ug/l

RT: 4.33 min Scan# 851

Delta R.T. 0.00 min

Lab File: VN049211.D

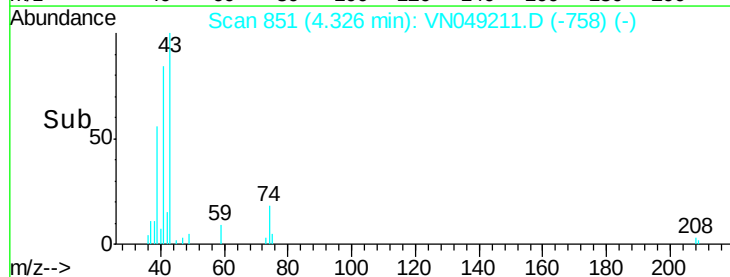
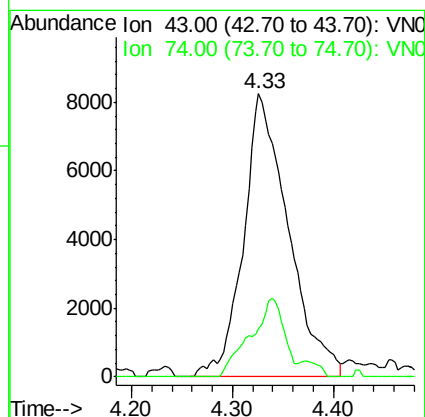
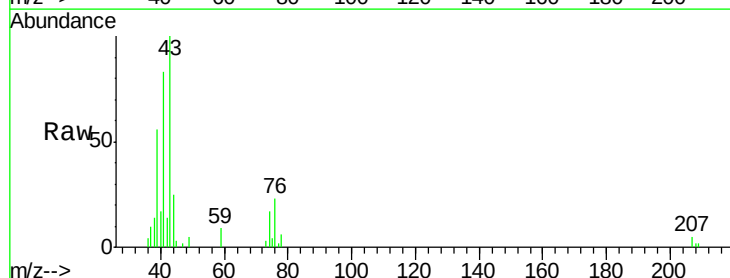
Acq: 13 Jun 2018 20:10

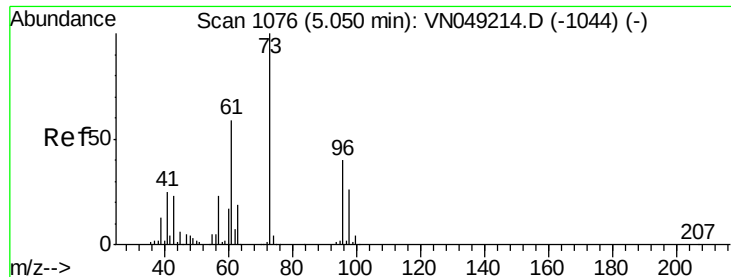
Tgt Ion: 43 Resp: 25395

Ion Ratio Lower Upper

43 100

74 21.1 17.4 26.0





#19

Methyl tert-butyl Ether

Concen: 0.69 ug/l

RT: 5.05 min Scan# 1076

Delta R.T. 0.00 min

Lab File: VN049211.D

Acq: 13 Jun 2018 20:10

Instrument :

MSVOA_N

ClientSampleId :

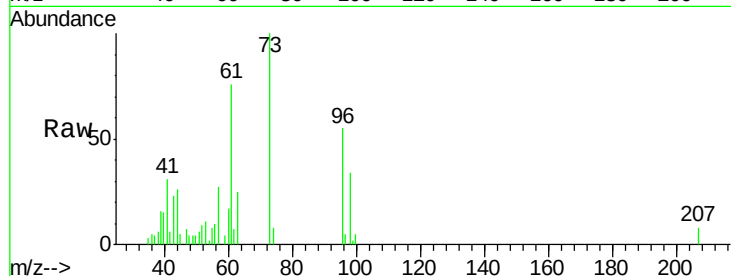
VSTDIC001

Tgt Ion: 73 Resp: 17216

Ion Ratio Lower Upper

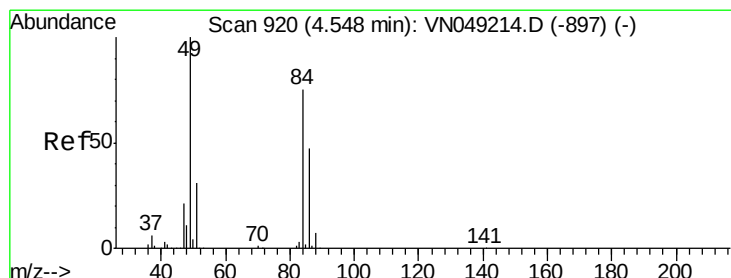
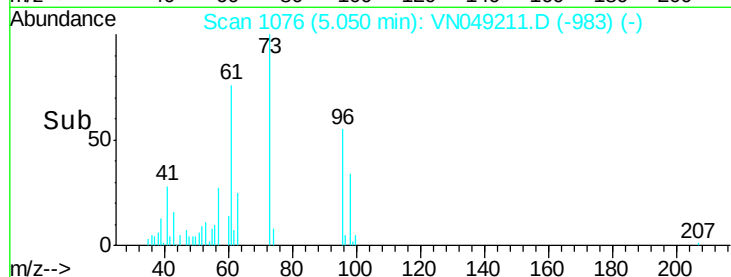
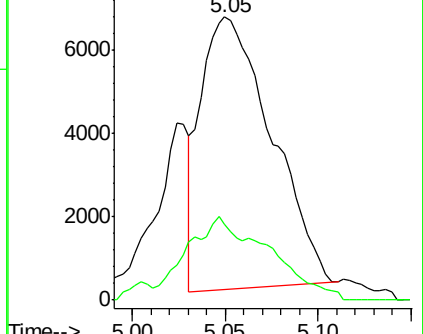
73 100

57 25.4 18.2 27.4



Abundance Ion 73.00 (72.70 to 73.70): VN049214.D (-1044) (-)

Ion 57.00 (56.70 to 57.70): VN049214.D (-1044) (-)



#20

Methylene Chloride

Concen: 1.49 ug/l

RT: 4.55 min Scan# 920

Delta R.T. 0.00 min

Lab File: VN049211.D

Acq: 13 Jun 2018 20:10

Tgt Ion: 84 Resp: 15360

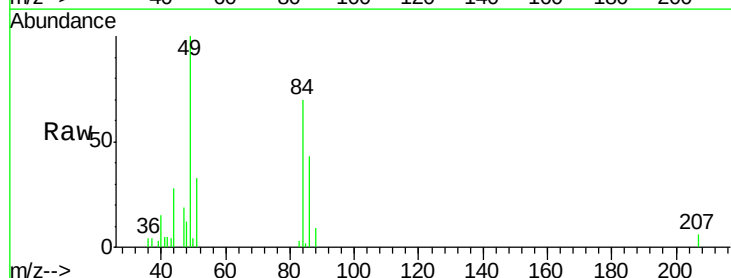
Ion Ratio Lower Upper

84 100

49 143.4 106.9 160.3

51 46.7 32.7 49.1

86 62.3 49.8 74.8

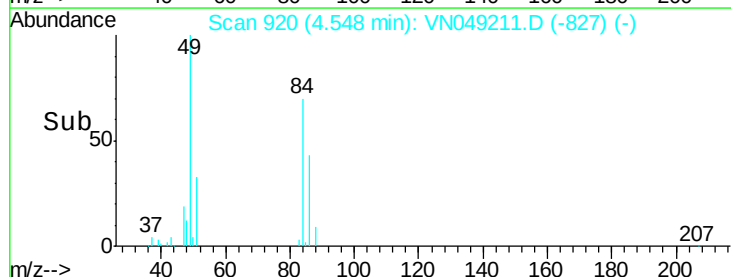
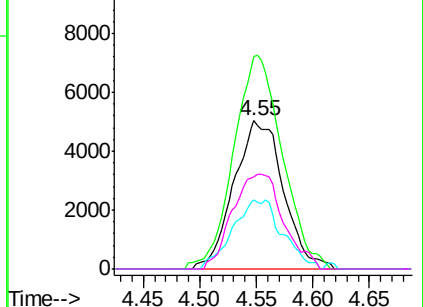


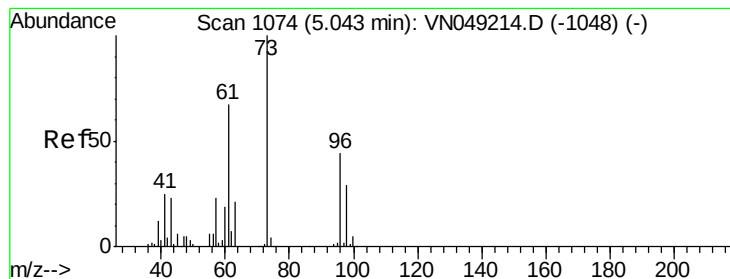
Abundance Ion 83.90 (83.60 to 84.60): VN049214.D (-897) (-)

Ion 48.90 (48.60 to 49.60): VN049214.D (-897) (-)

Ion 50.90 (50.60 to 51.60): VN049214.D (-897) (-)

Ion 85.90 (85.60 to 86.60): VN049214.D (-897) (-)





#21

trans-1,2-Dichloroethene

Concen: 0.63 ug/l

RT: 5.03 min Scan# 1070

Delta R.T. -0.01 min

Lab File: VN049211.D

Acq: 13 Jun 2018 20:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

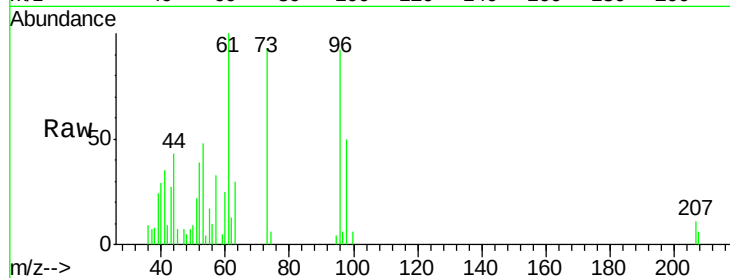
Tgt Ion: 96 Resp: 6116

Ion Ratio Lower Upper

96 100

61 104.5 121.3 181.9#

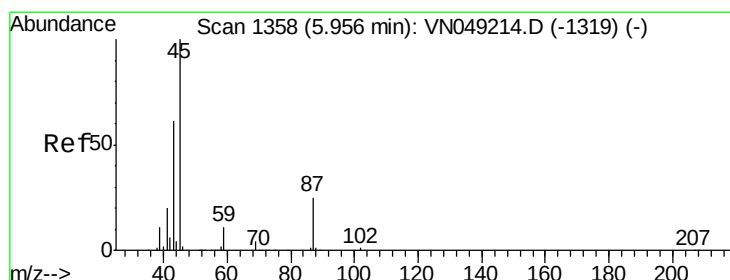
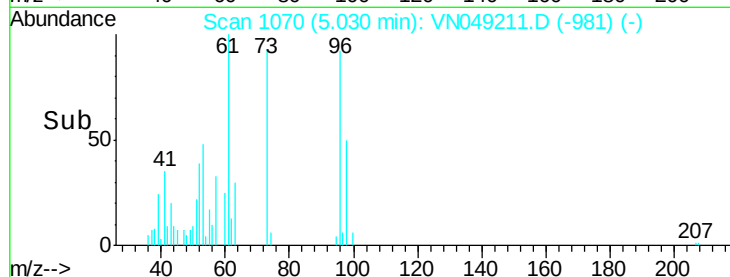
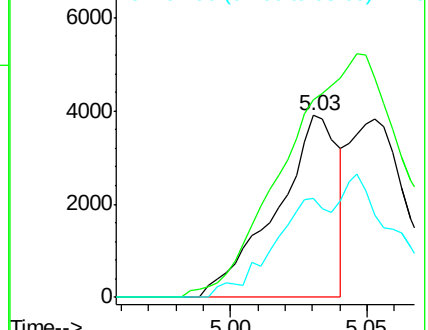
98 54.6 52.0 78.0



Abundance Ion 95.90 (95.60 to 96.60): VNC

Ion 60.90 (60.60 to 61.60): VNC

Ion 97.90 (97.60 to 98.60): VNC



#22

Diisopropyl ether

Concen: 0.97 ug/l

RT: 5.96 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VN049211.D

Acq: 13 Jun 2018 20:10

Tgt Ion: 45 Resp: 33336

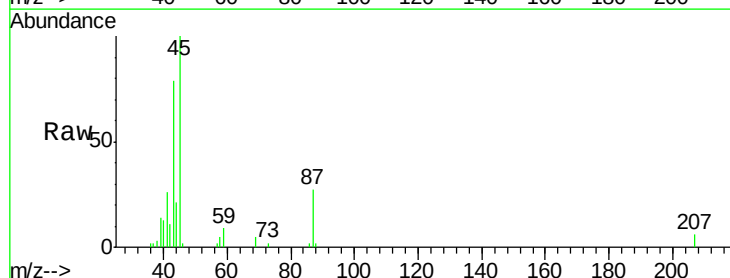
Ion Ratio Lower Upper

45 100

43 73.9 48.6 72.8#

87 27.0 20.2 30.2

59 9.3 9.0 13.4

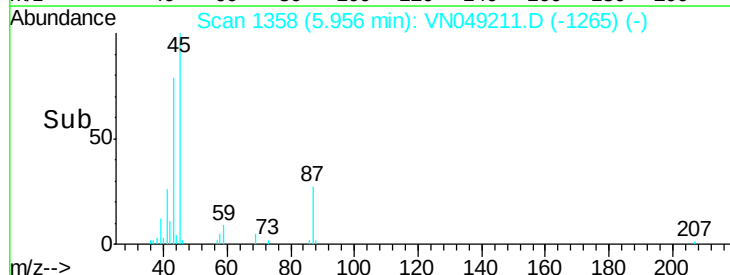
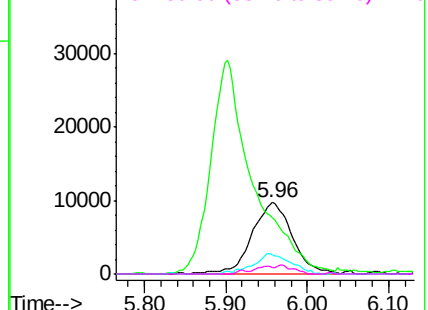


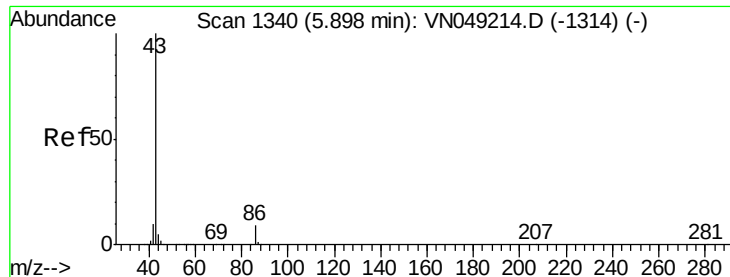
Abundance Ion 45.00 (44.70 to 45.70): VNC

Ion 43.00 (42.70 to 43.70): VNC

Ion 87.00 (86.70 to 87.70): VNC

Ion 59.00 (58.70 to 59.70): VNC

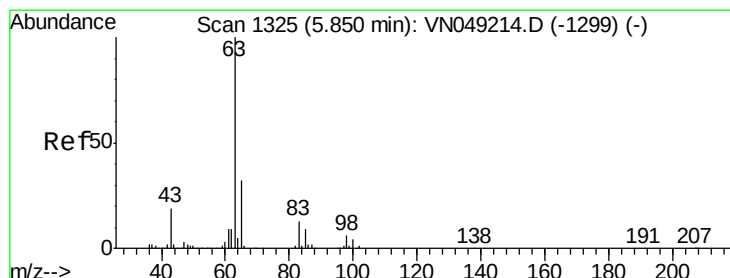
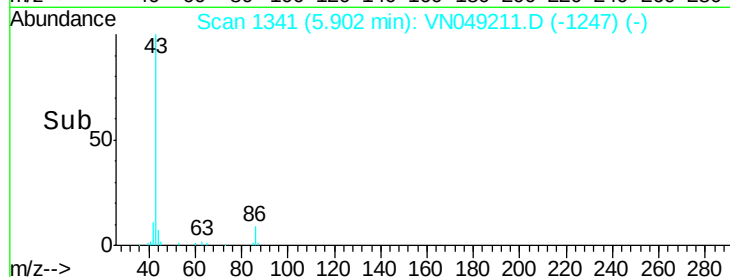
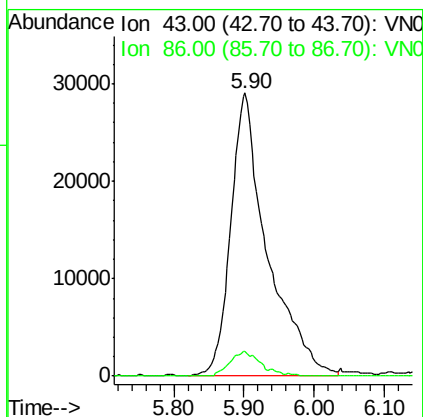
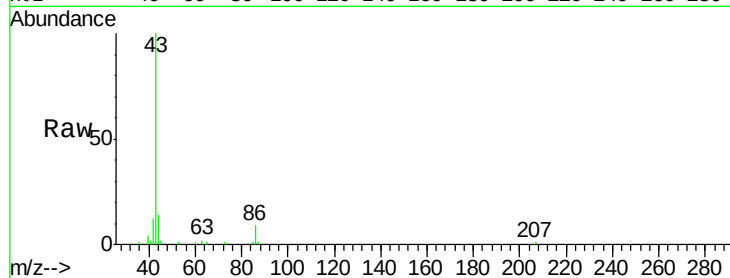




#23
 Vinyl Acetate
 Concen: 4.50 ug/l
 RT: 5.90 min Scan# 1341
 Delta R.T. 0.00 min
 Lab File: VN049211.D
 Acq: 13 Jun 2018 20:10

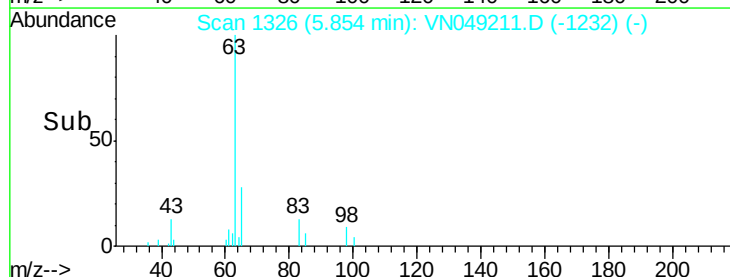
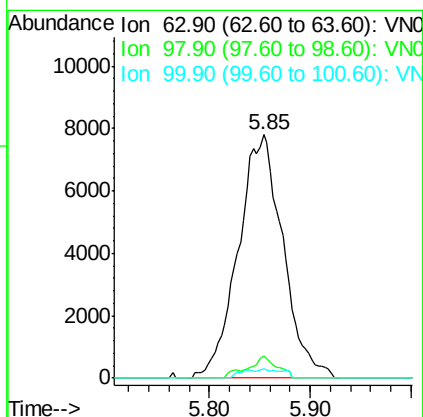
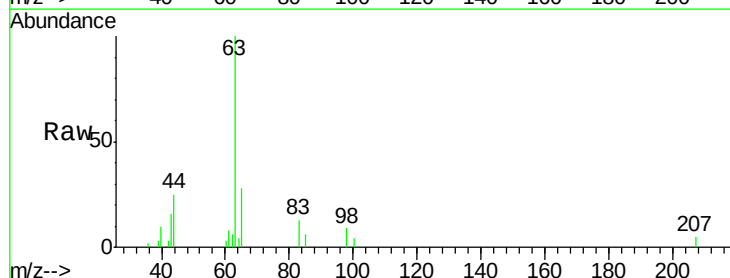
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

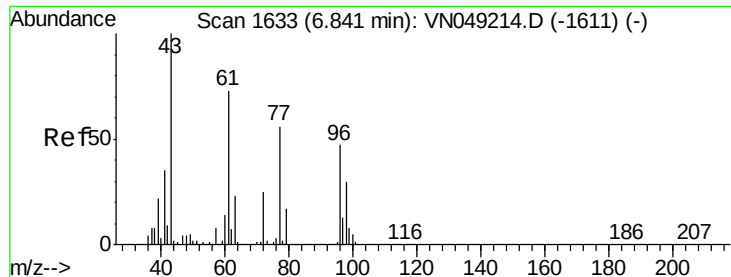
Tgt Ion: 43 Resp: 105456
 Ion Ratio Lower Upper
 43 100
 86 8.9 7.2 10.8



#24
 1,1-Dichloroethane
 Concen: 1.23 ug/l
 RT: 5.85 min Scan# 1326
 Delta R.T. 0.00 min
 Lab File: VN049211.D
 Acq: 13 Jun 2018 20:10

Tgt Ion: 63 Resp: 23992
 Ion Ratio Lower Upper
 63 100
 98 9.1 2.9 8.8#
 100 3.8 2.1 6.3





#25

2-Butanone

Concen: 5.15 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VN049211.D

Acq: 13 Jun 2018 20:10

Instrument :

MSVOA_N

ClientSampleId :

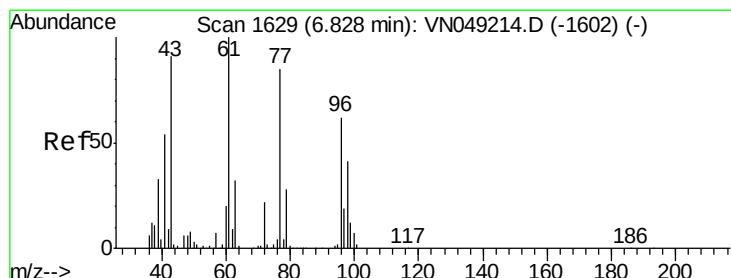
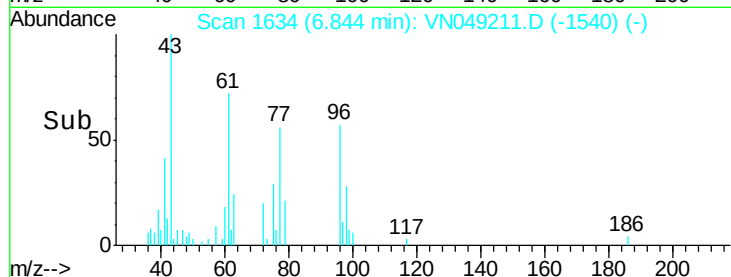
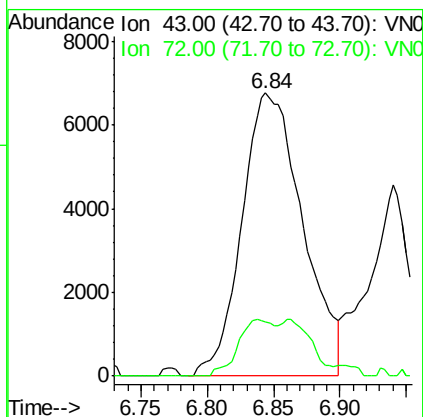
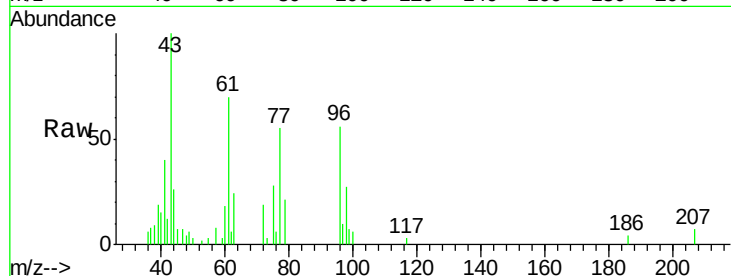
VSTDIC001

Tgt Ion: 43 Resp: 21621

Ion Ratio Lower Upper

43 100

72 16.6 20.2 30.2#



#26

2,2-Dichloropropane

Concen: 1.14 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN049211.D

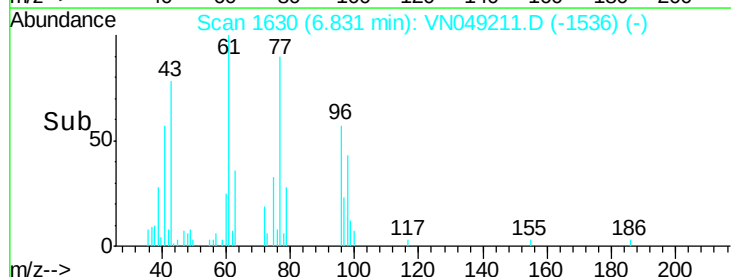
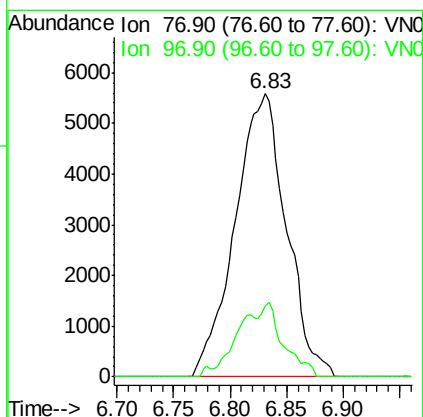
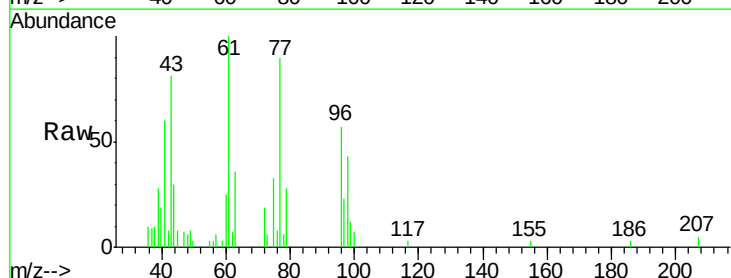
Acq: 13 Jun 2018 20:10

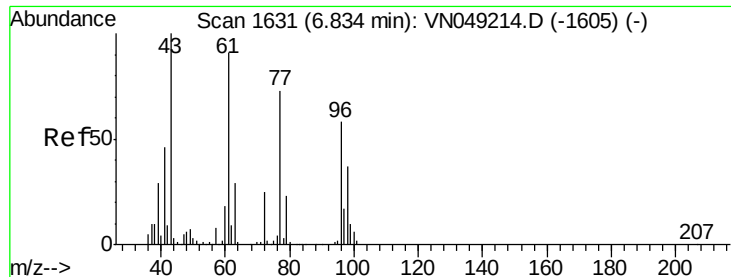
Tgt Ion: 77 Resp: 17624

Ion Ratio Lower Upper

77 100

97 8.7 11.0 33.0#

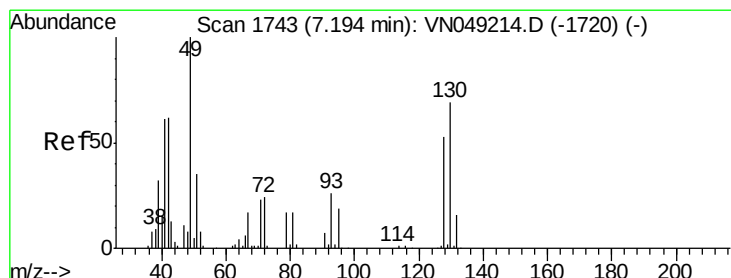
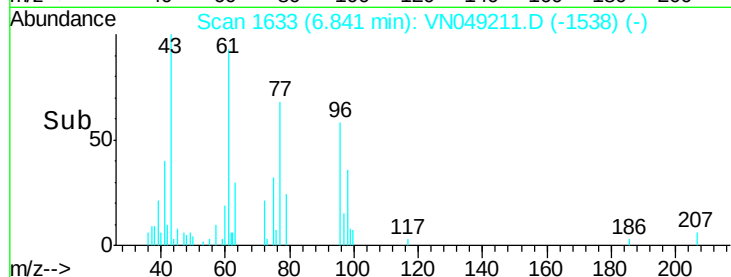
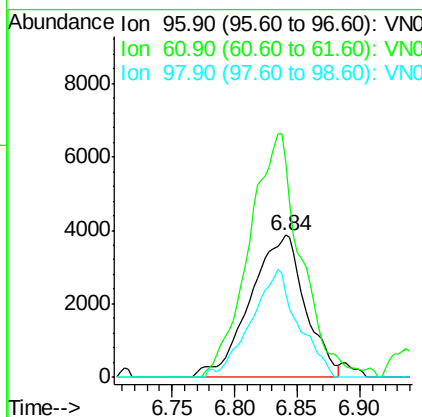
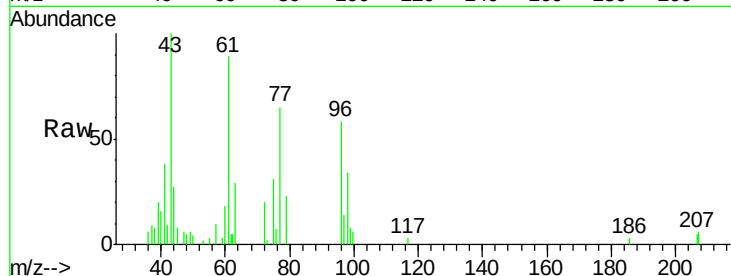




#27
 cis-1,2-Dichloroethene
 Concen: 1.10 ug/l
 RT: 6.84 min Scan# 1633
 Delta R.T. 0.01 min
 Lab File: VN049211.D
 Acq: 13 Jun 2018 20:10

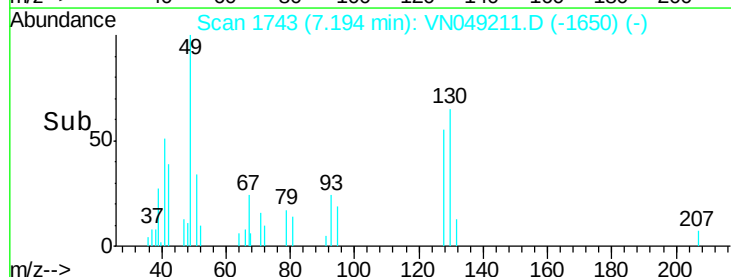
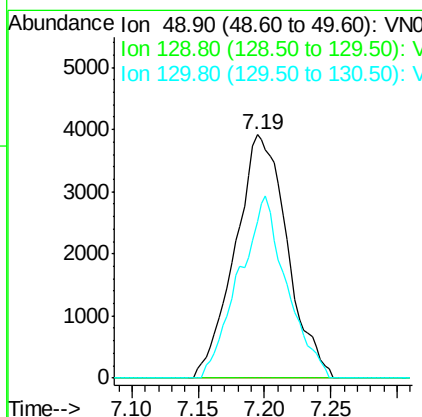
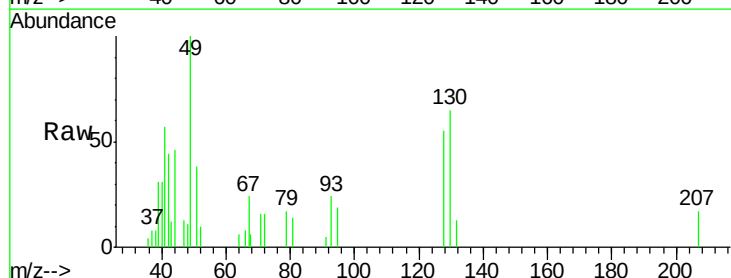
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

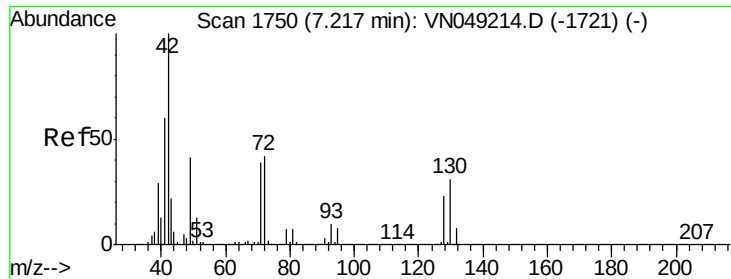
Tgt Ion: 96 Resp: 11845
 Ion Ratio Lower Upper
 96 100
 61 160.6 0.0 316.4
 98 64.4 0.0 128.4



#28
 Bromochloromethane
 Concen: 1.26 ug/l
 RT: 7.19 min Scan# 1743
 Delta R.T. 0.00 min
 Lab File: VN049211.D
 Acq: 13 Jun 2018 20:10

Tgt Ion: 49 Resp: 10715
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 3.8
 130 68.4 54.9 82.3

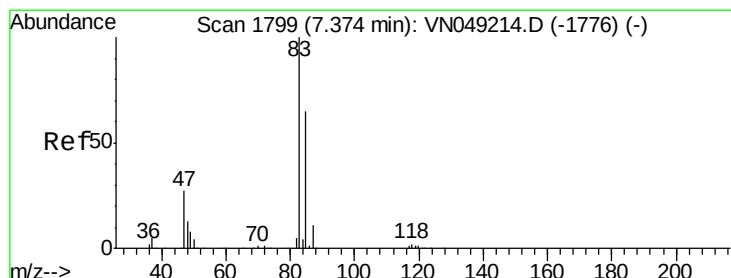
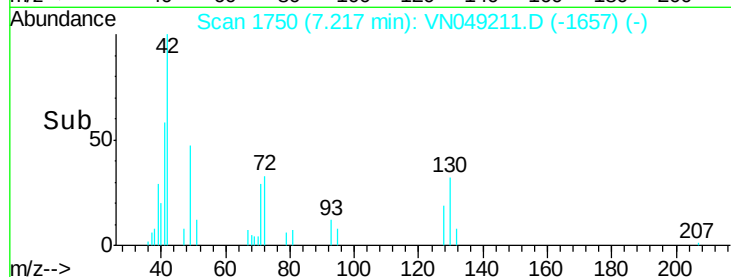
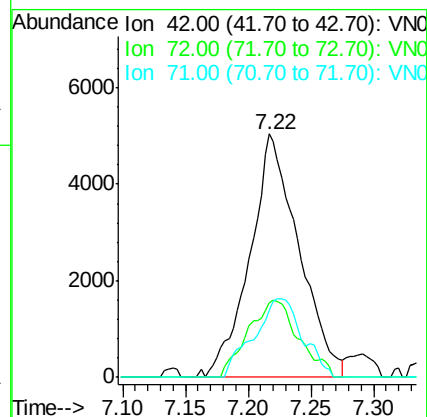
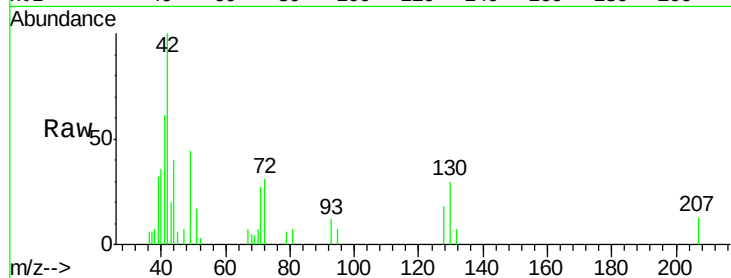




#29
Tetrahydrofuran
Concen: 5.08 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VN049211.D
Acq: 13 Jun 2018 20:10

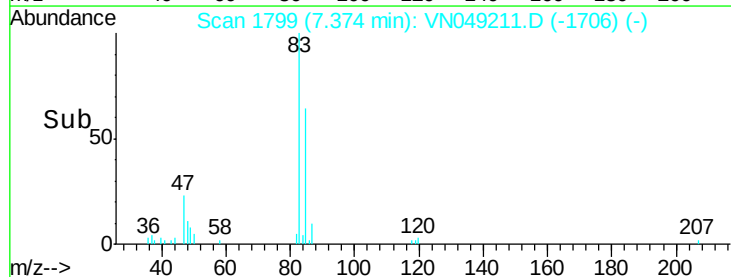
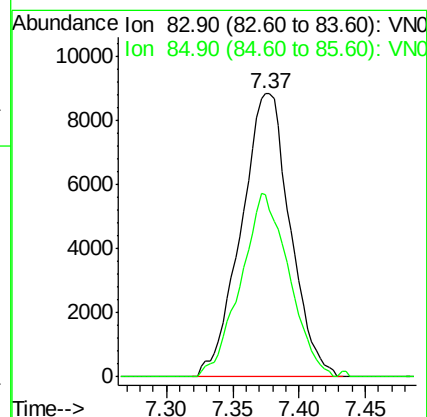
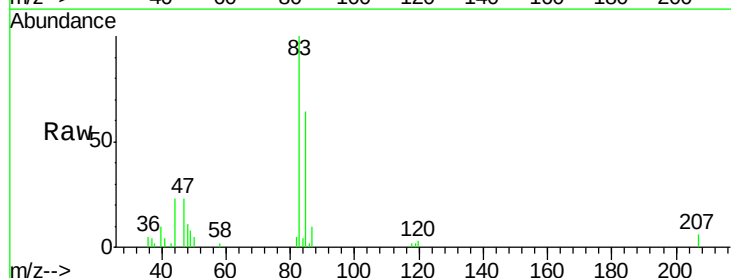
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

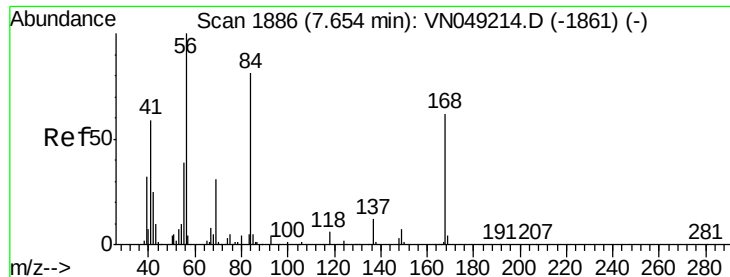
Tgt Ion: 42 Resp: 13686
Ion Ratio Lower Upper
42 100
72 32.6 32.2 48.4
71 32.3 30.5 45.7



#30
Chloroform
Concen: 1.19 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN049211.D
Acq: 13 Jun 2018 20:10

Tgt Ion: 83 Resp: 22719
Ion Ratio Lower Upper
83 100
85 64.3 51.7 77.5





#31

Cyclohexane

Concen: 1.03 ug/l

RT: 7.66 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VN049211.D

Acq: 13 Jun 2018 20:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

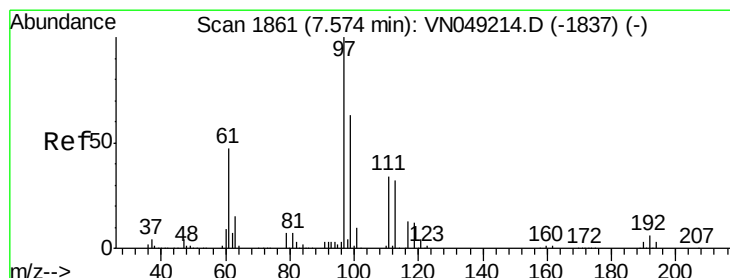
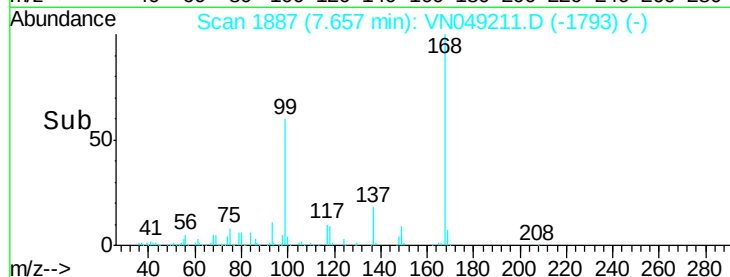
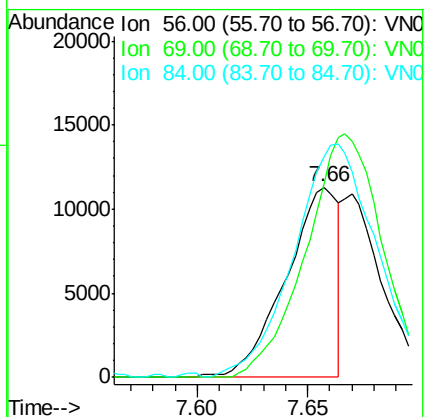
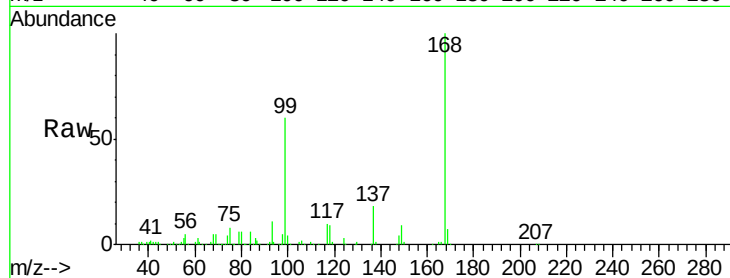
Tgt Ion: 56 Resp: 18546

Ion Ratio Lower Upper

56 100

69 102.0 25.0 37.4#

84 113.6 64.6 96.8#



#32

1,1,1-Trichloroethane

Concen: 1.21 ug/l

RT: 7.57 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VN049211.D

Acq: 13 Jun 2018 20:10

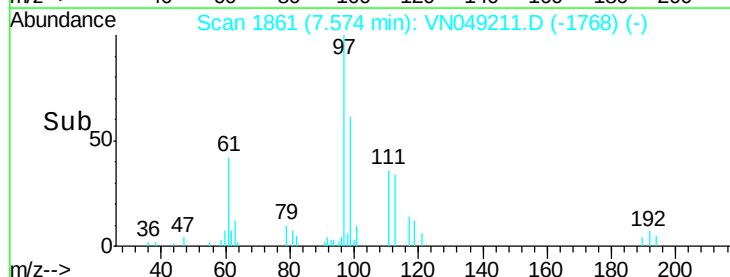
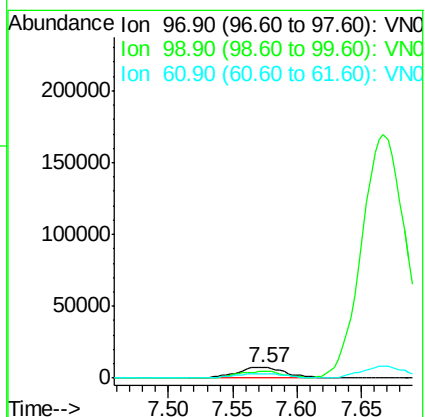
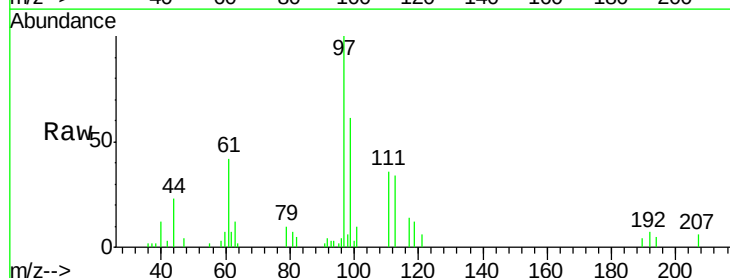
Tgt Ion: 97 Resp: 19739

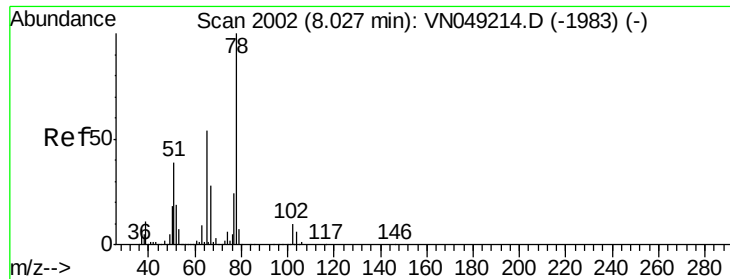
Ion Ratio Lower Upper

97 100

99 0.0 50.5 75.7#

61 44.6 37.9 56.9

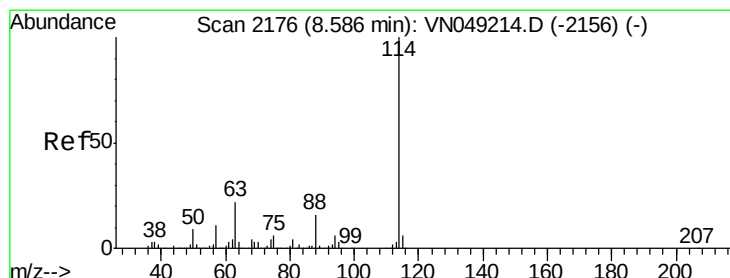
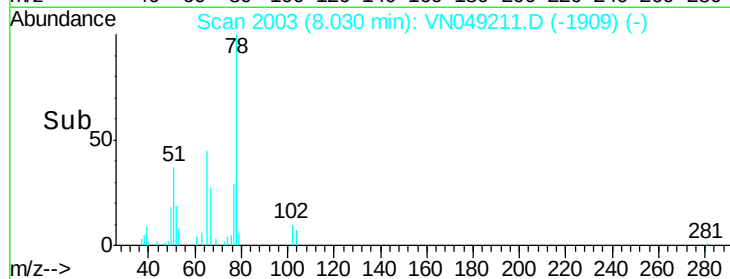
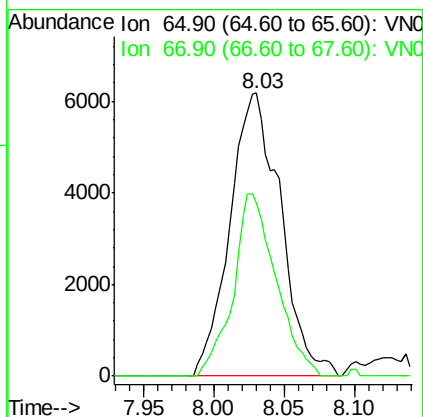
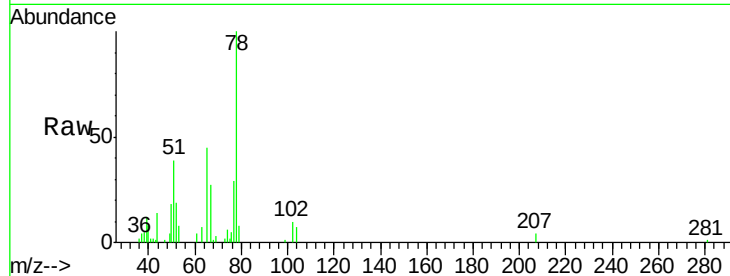




#33
 1,2-Dichloroethane-d4
 Concen: 1.31 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN049211.D
 Acq: 13 Jun 2018 20:10

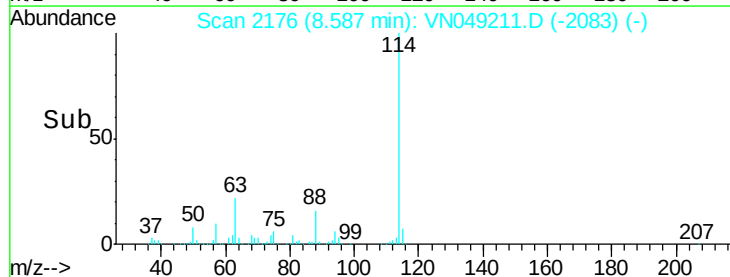
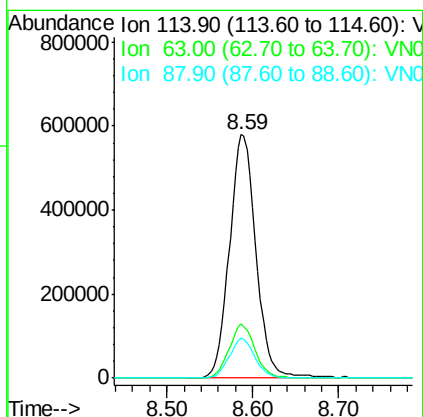
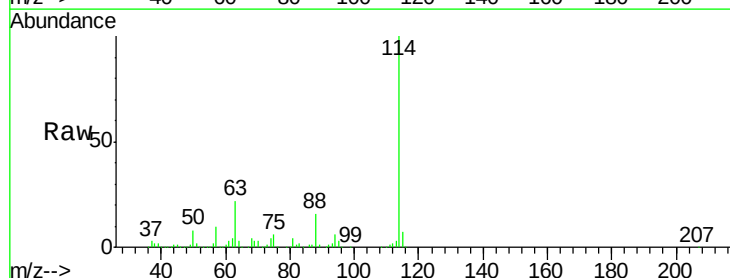
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

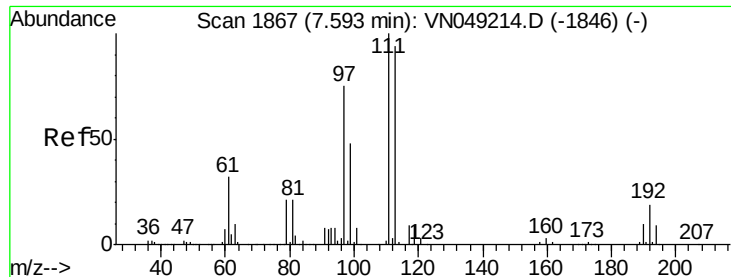
Tgt Ion: 65 Resp: 15516
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049211.D
 Acq: 13 Jun 2018 20:10

Tgt Ion: 114 Resp: 1240178
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 44.4
 88 16.4 0.0 31.4

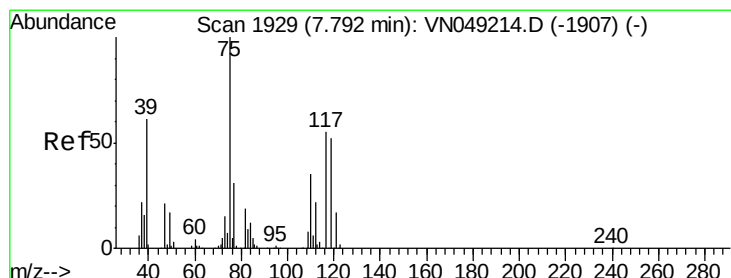
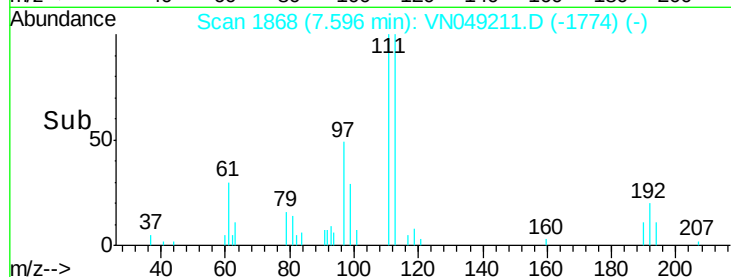
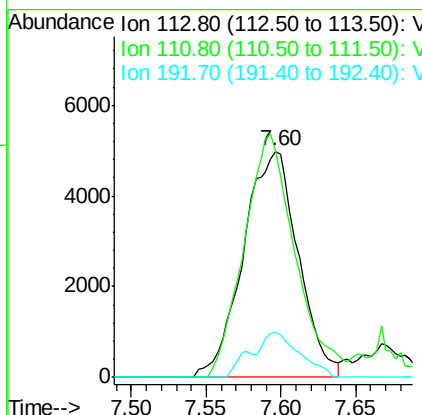
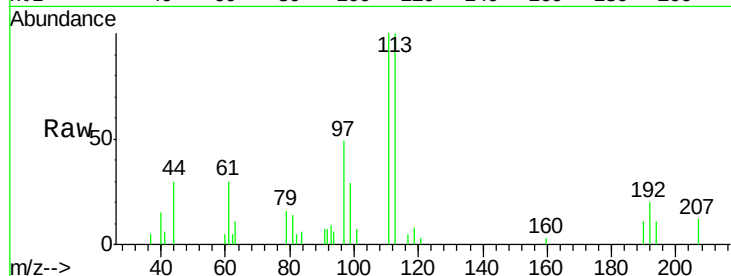




#35
 Dibromofluoromethane
 Concen: 1.24 ug/l
 RT: 7.60 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VN049211.D
 Acq: 13 Jun 2018 20:10

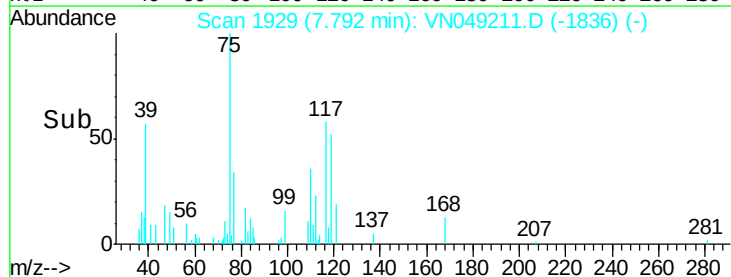
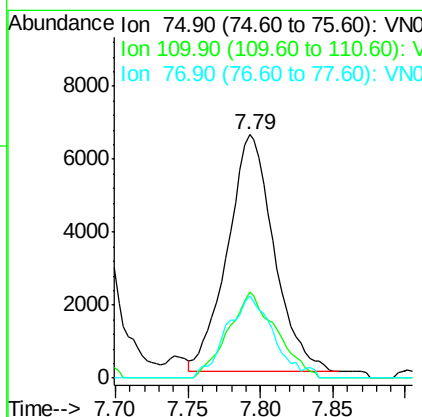
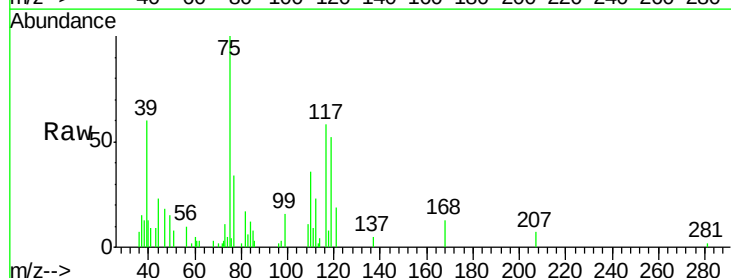
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

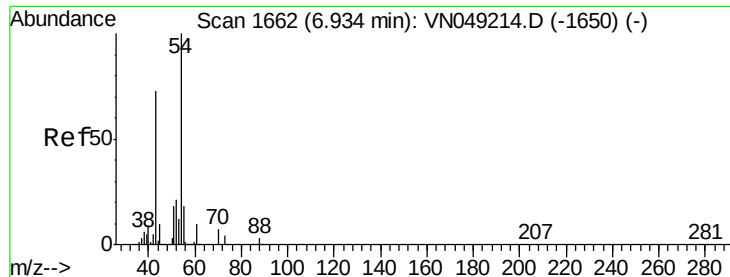
Tgt Ion: 113 Resp: 12710
 Ion Ratio Lower Upper
 113 100
 111 100.6 82.4 123.6
 192 13.5 15.0 22.6#



#36
 1,1-Dichloropropene
 Concen: 0.94 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. 0.00 min
 Lab File: VN049211.D
 Acq: 13 Jun 2018 20:10

Tgt Ion: 75 Resp: 14514
 Ion Ratio Lower Upper
 75 100
 110 37.5 17.0 50.9
 77 35.0 24.4 36.6

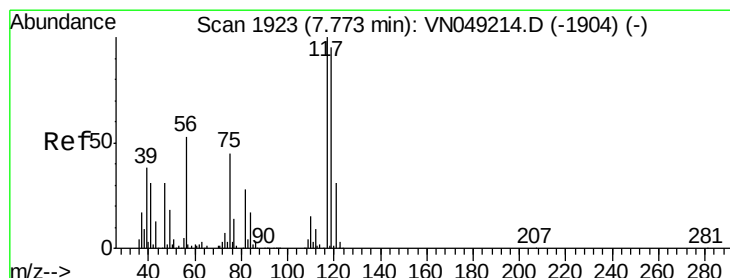
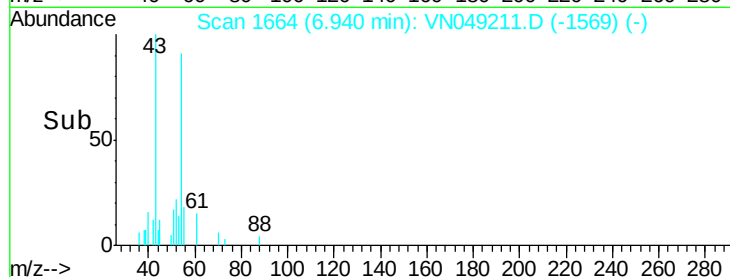
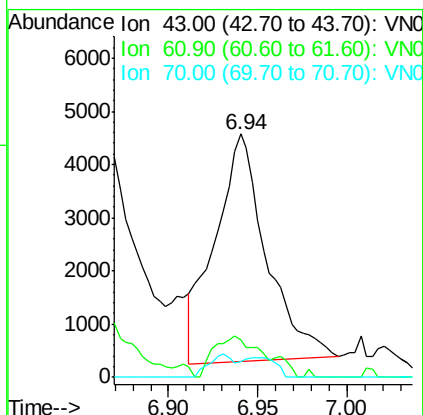
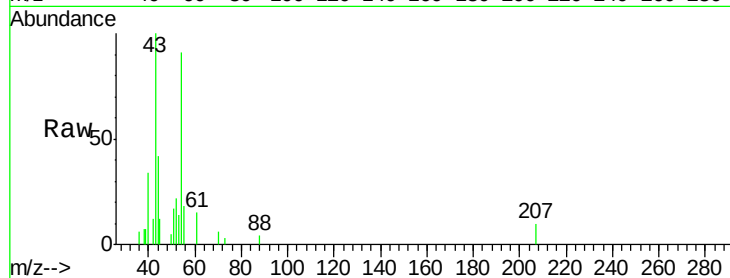




#37
Ethyl Acetate
Concen: 0.86 ug/l
RT: 6.94 min Scan# 1664
Delta R.T. 0.01 min
Lab File: VN049211.D
Acq: 13 Jun 2018 20:10

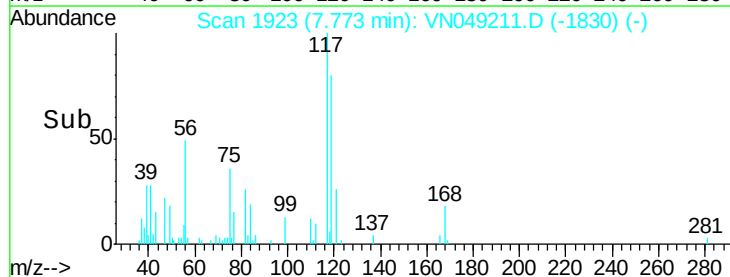
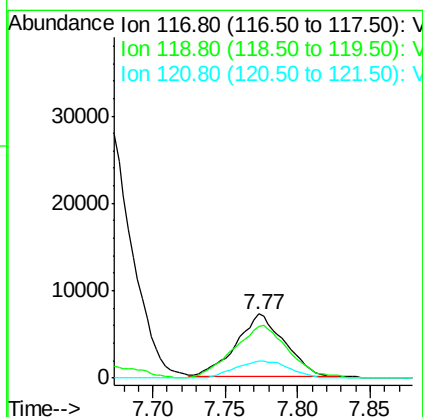
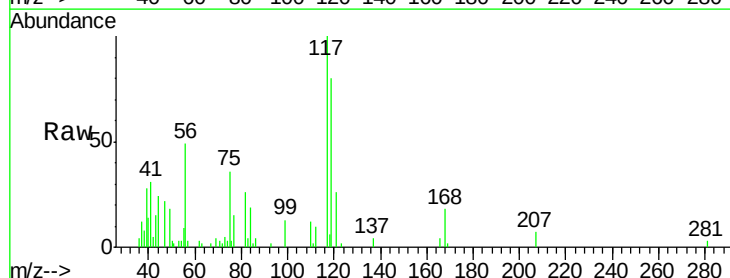
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

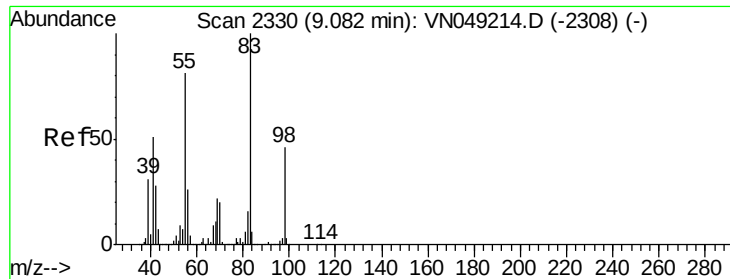
Tgt Ion: 43 Resp: 8593
Ion Ratio Lower Upper
43 100
61 15.1 11.0 16.4
70 4.8 7.2 10.8#



#38
Carbon Tetrachloride
Concen: 1.09 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VN049211.D
Acq: 13 Jun 2018 20:10

Tgt Ion: 117 Resp: 16560
Ion Ratio Lower Upper
117 100
119 82.1 75.6 113.4
121 26.8 24.7 37.1

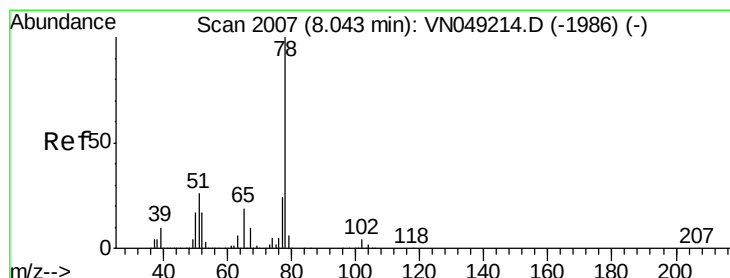
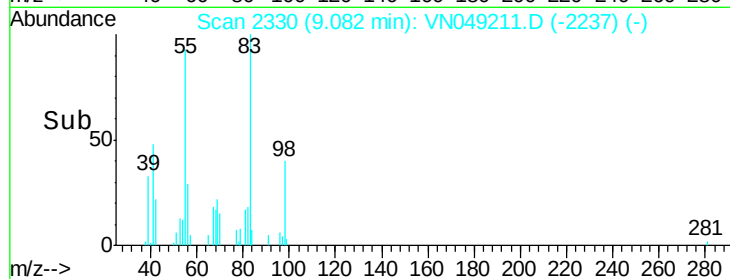
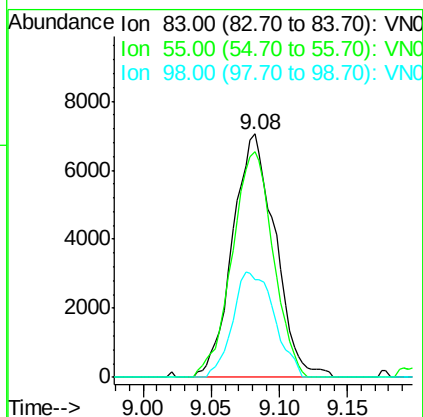
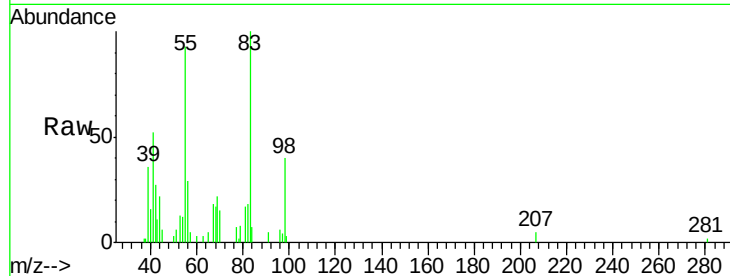




#39
Methylcyclohexane
Concen: 0.94 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049211.D
Acq: 13 Jun 2018 20:10

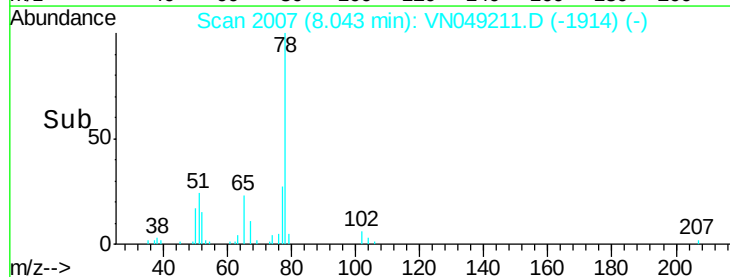
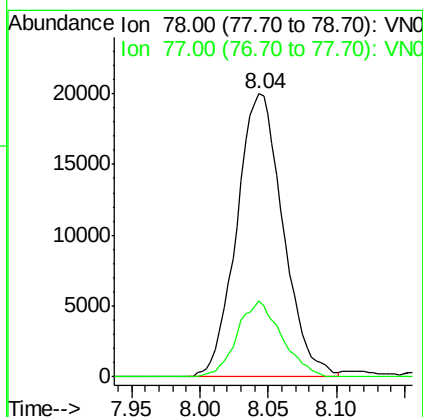
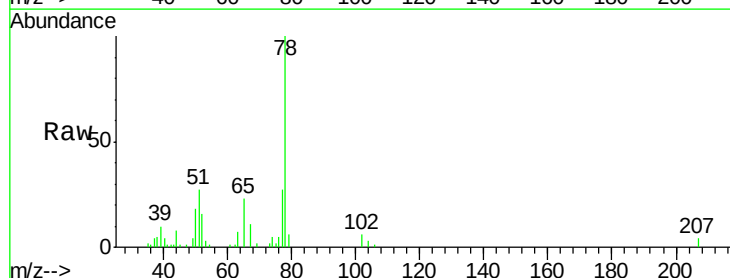
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

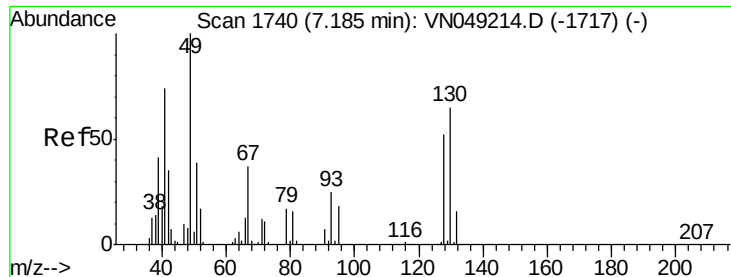
Tgt Ion: 83 Resp: 15301
Ion Ratio Lower Upper
83 100
55 92.9 65.1 97.7
98 40.1 36.5 54.7



#40
Benzene
Concen: 1.01 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN049211.D
Acq: 13 Jun 2018 20:10

Tgt Ion: 78 Resp: 47132
Ion Ratio Lower Upper
78 100
77 26.7 19.4 29.0

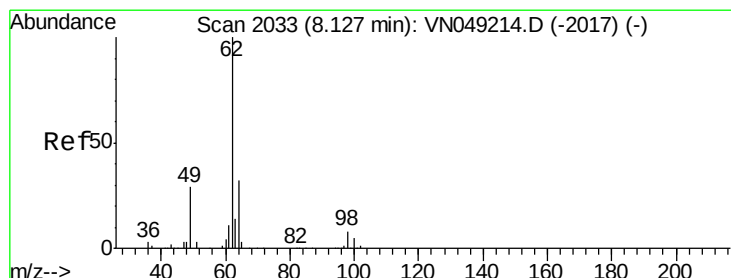
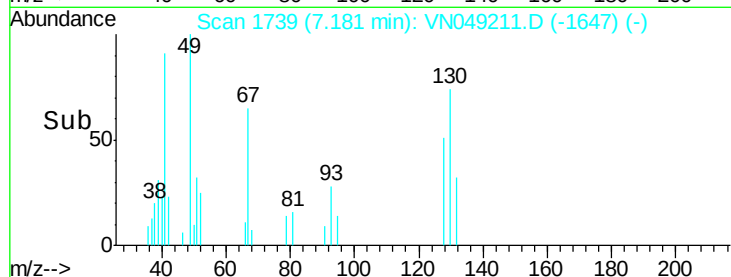
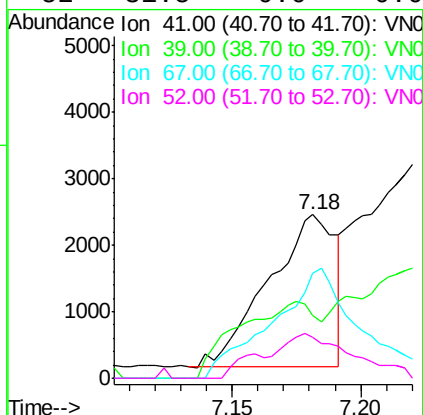
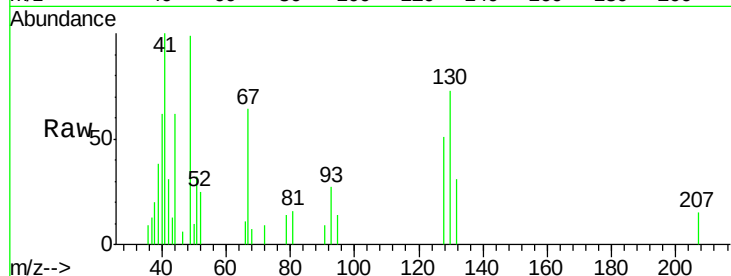




#41
Methacrylonitrile
Concen: 0.75 ug/l
RT: 7.18 min Scan# 1739
Delta R.T. -0.00 min
Lab File: VN049211.D
Acq: 13 Jun 2018 20:10

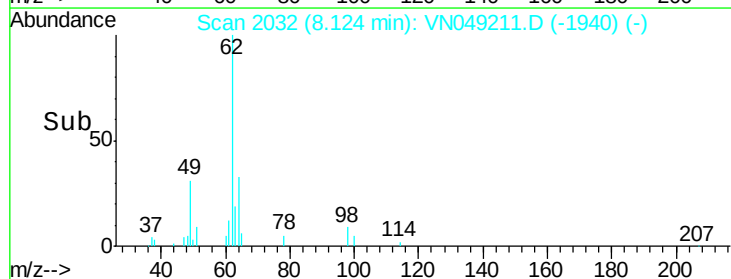
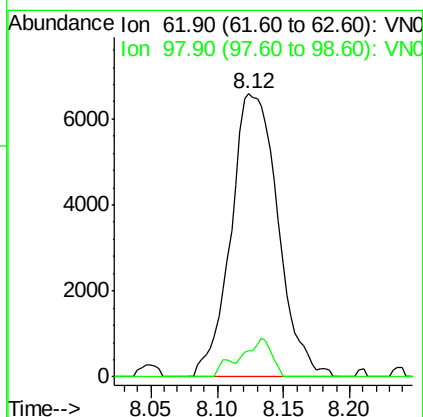
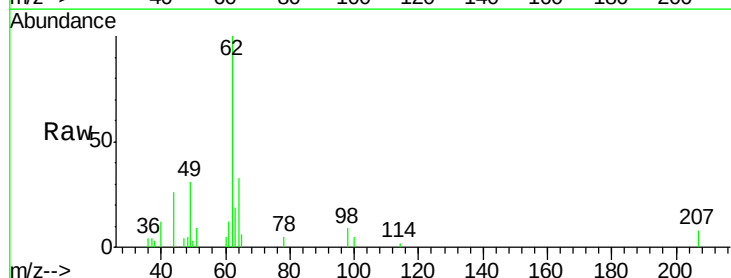
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

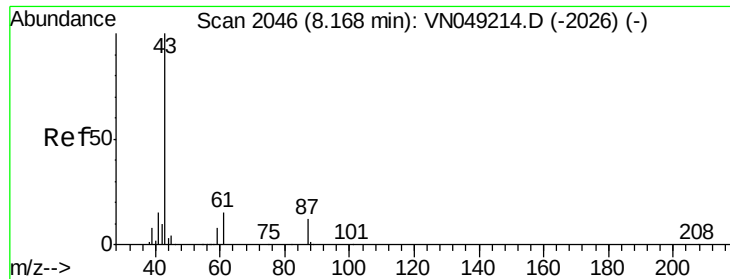
Tgt Ion:	41	Resp:	4115
Ion	Ratio	Lower	Upper
41	100		
39	59.1	0.0	0.0#
67	95.0	0.0	0.0#
52	31.5	0.0	0.0#



#42
1,2-Dichloroethane
Concen: 1.07 ug/l
RT: 8.12 min Scan# 2032
Delta R.T. -0.00 min
Lab File: VN049211.D
Acq: 13 Jun 2018 20:10

Tgt Ion:	62	Resp:	16260
Ion	Ratio	Lower	Upper
62	100		
98	7.1	0.0	16.2

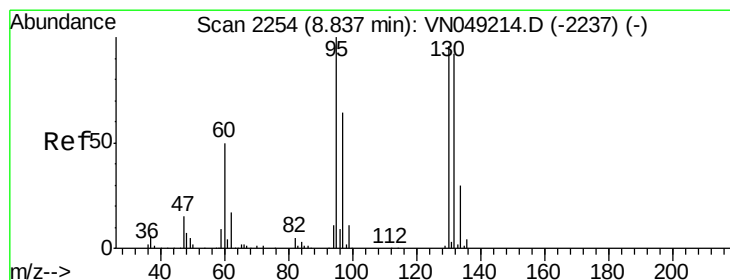
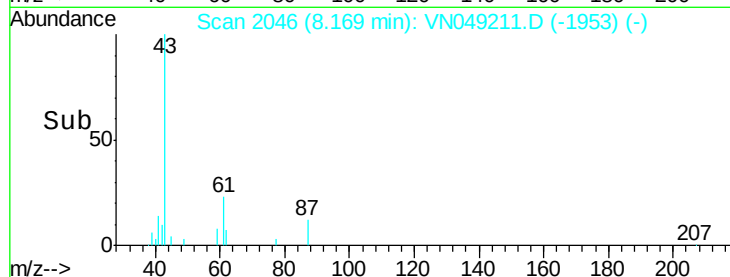
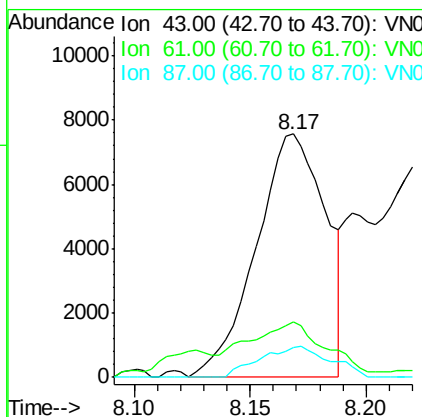
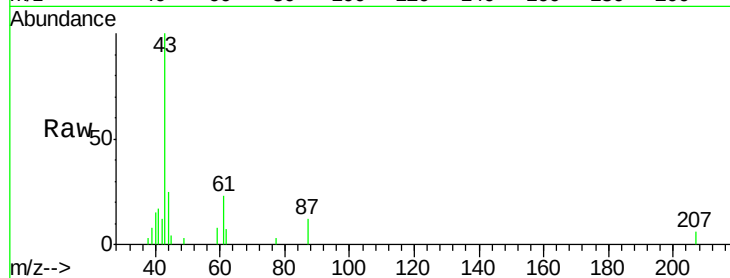




#43
Isopropyl Acetate
Concen: 0.83 ug/l
RT: 8.17 min Scan# 2046
Delta R.T. 0.00 min
Lab File: VN049211.D
Acq: 13 Jun 2018 20:10

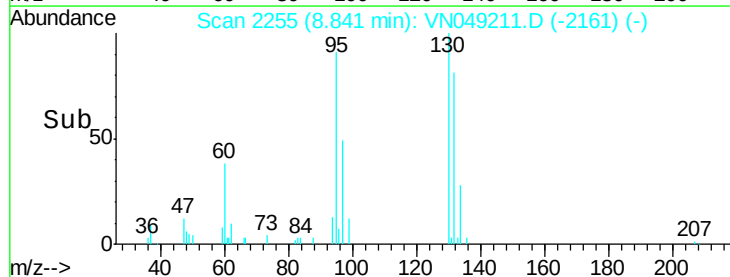
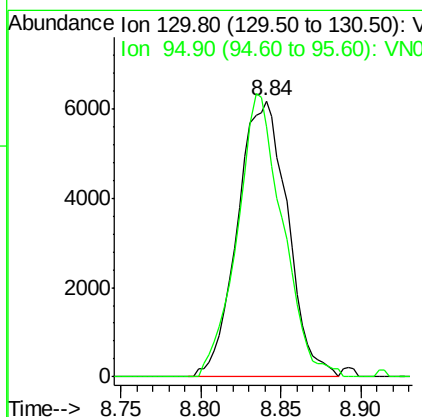
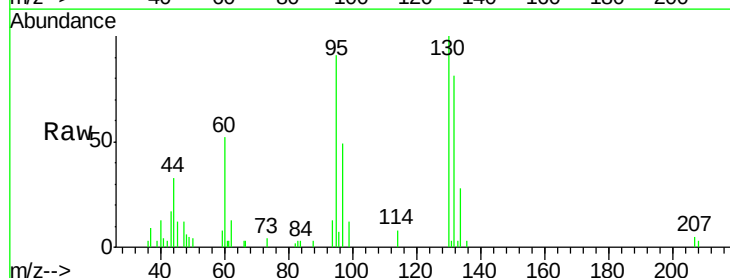
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

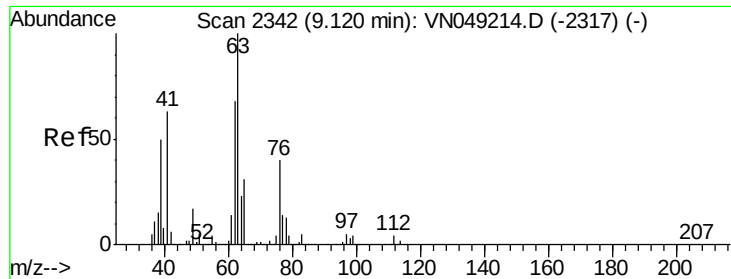
Tgt Ion: 43 Resp: 15794
Ion Ratio Lower Upper
43 100
61 26.1 14.2 21.4#
87 12.9 9.4 14.0



#44
Trichloroethene
Concen: 1.16 ug/l
RT: 8.84 min Scan# 2255
Delta R.T. 0.00 min
Lab File: VN049211.D
Acq: 13 Jun 2018 20:10

Tgt Ion: 130 Resp: 13205
Ion Ratio Lower Upper
130 100
95 90.7 0.0 208.6

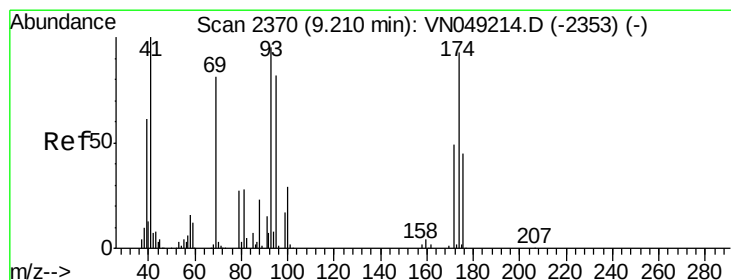
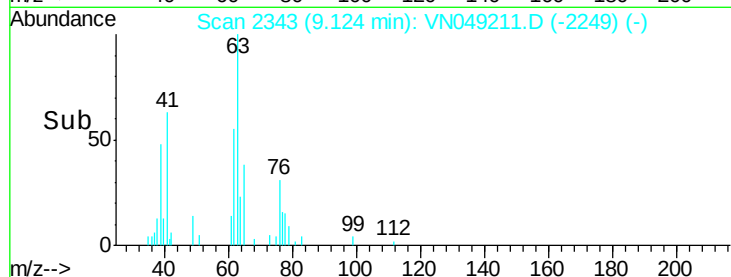
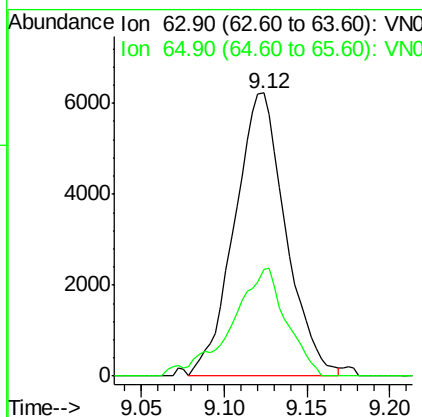
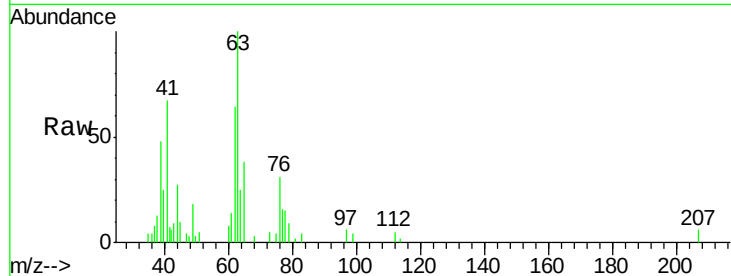




#45
 1,2-Dichloropropane
 Concen: 1.05 ug/l
 RT: 9.12 min Scan# 2343
 Delta R.T. 0.00 min
 Lab File: VN049211.D
 Acq: 13 Jun 2018 20:10

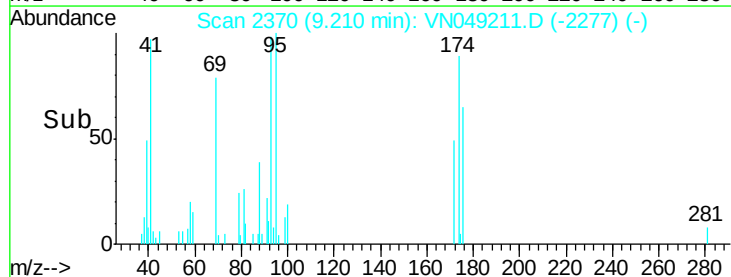
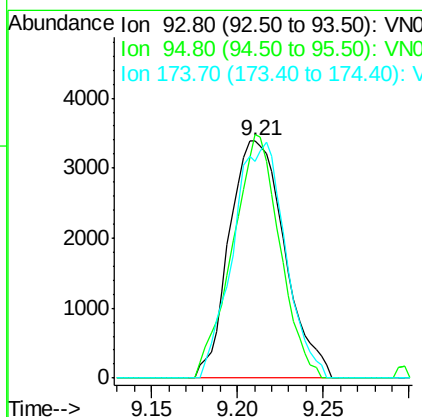
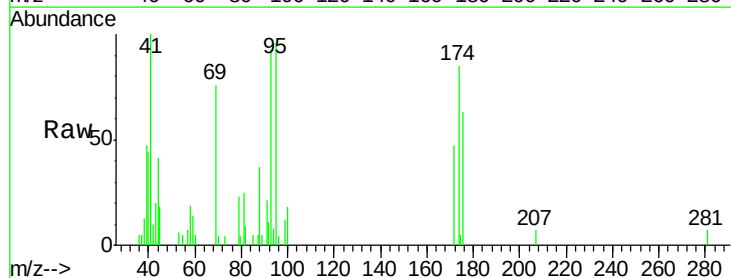
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

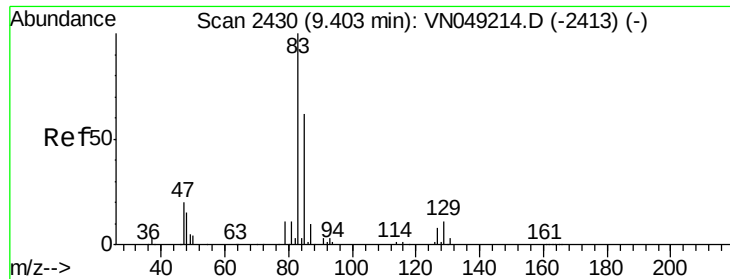
Tgt Ion: 63 Resp: 13390
 Ion Ratio Lower Upper
 63 100
 65 37.5 24.8 37.2#



#46
 Dibromomethane
 Concen: 1.07 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN049211.D
 Acq: 13 Jun 2018 20:10

Tgt Ion: 93 Resp: 7565
 Ion Ratio Lower Upper
 93 100
 95 87.9 67.2 100.8
 174 93.8 75.6 113.4





#47

Bromodichloromethane

Concen: 1.05 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN049211.D

Acq: 13 Jun 2018 20:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

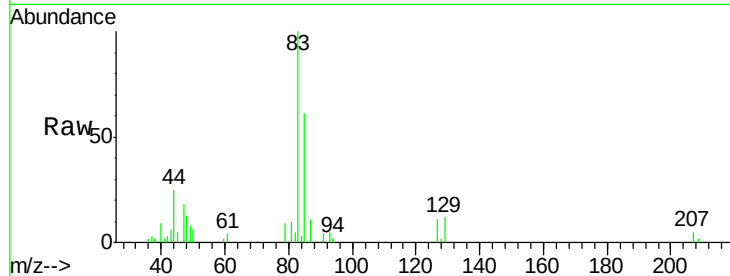
Tgt Ion: 83 Resp: 16588

Ion Ratio Lower Upper

83 100

85 60.6 49.4 74.0

127 11.1 6.3 9.5#

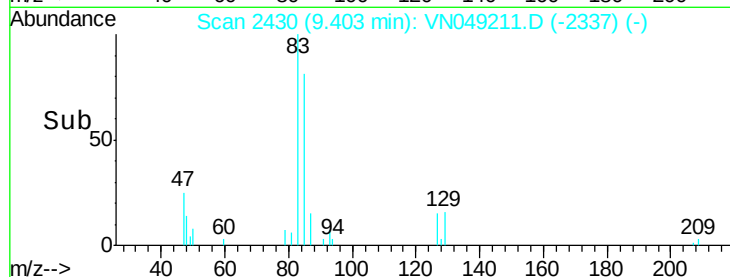


Abundance Ion 82.90 (82.60 to 83.60): VN049211.D (-2337) (-)

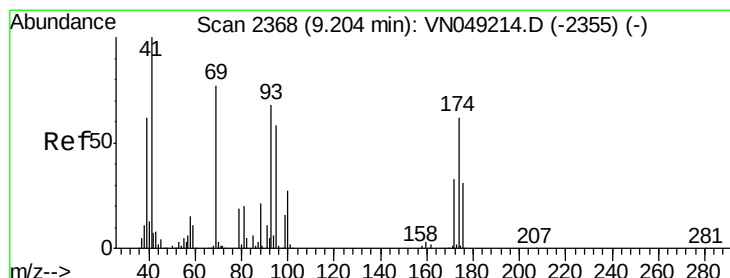
Ion 84.90 (84.60 to 85.60): VN049211.D (-2337) (-)

Ion 126.80 (126.50 to 127.50): VN049211.D (-2337) (-)

Time-->



Time-->



#48

Methyl methacrylate

Concen: 0.90 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. -0.00 min

Lab File: VN049211.D

Acq: 13 Jun 2018 20:10

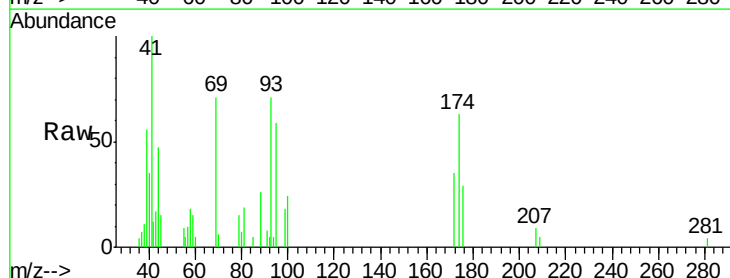
Tgt Ion: 41 Resp: 8170

Ion Ratio Lower Upper

41 100

69 73.1 62.0 93.0

39 52.4 50.6 75.8

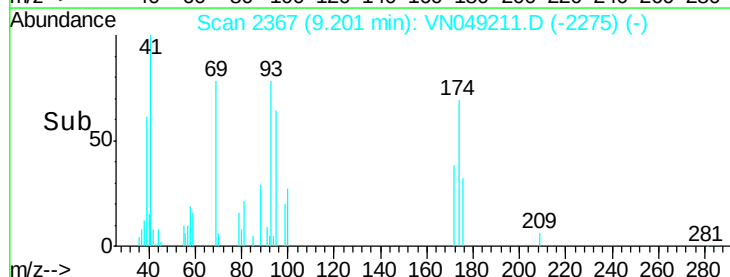


Abundance Ion 41.00 (40.70 to 41.70): VN049211.D (-2275) (-)

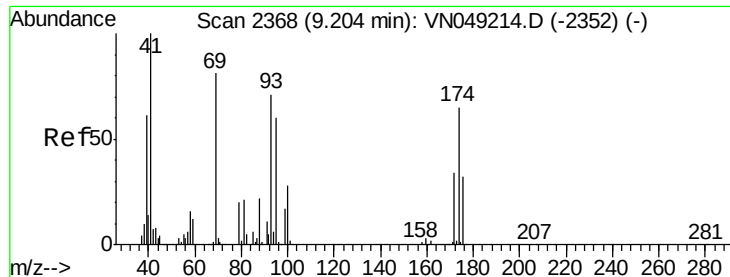
Ion 69.00 (68.70 to 69.70): VN049211.D (-2275) (-)

Ion 39.00 (38.70 to 39.70): VN049211.D (-2275) (-)

Time-->



Time-->



#49

1,4-Dioxane

Concen: 24.15 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.01 min

Lab File: VN049211.D

Acq: 13 Jun 2018 20:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

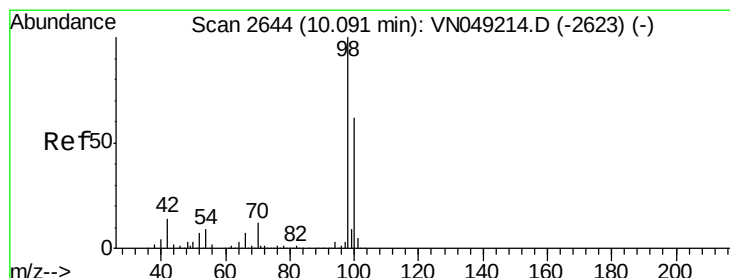
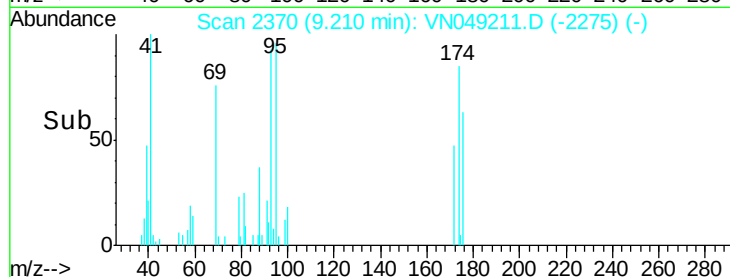
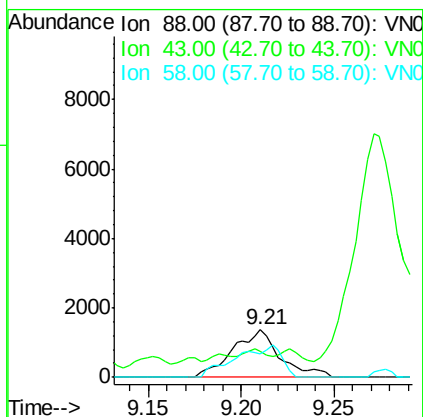
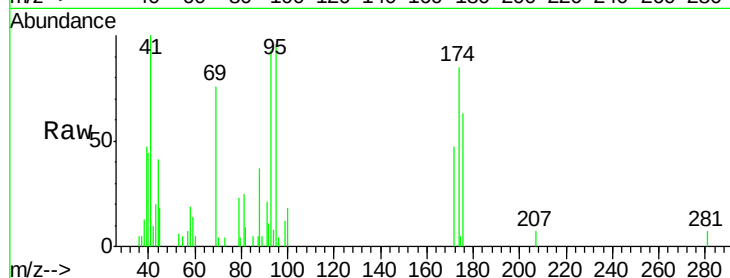
Tgt Ion: 88 Resp: 2456

Ion Ratio Lower Upper

88 100

43 0.0 30.9 46.3#

58 65.1 58.9 88.3



#50

Toluene-d8

Concen: 1.02 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN049211.D

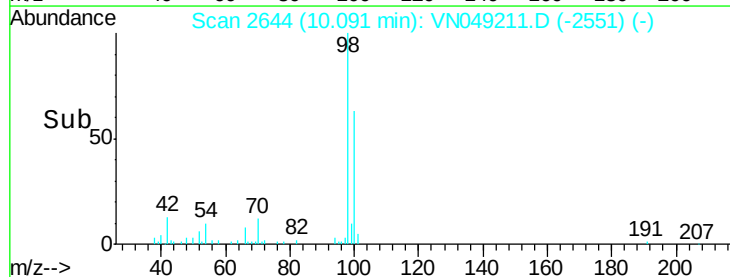
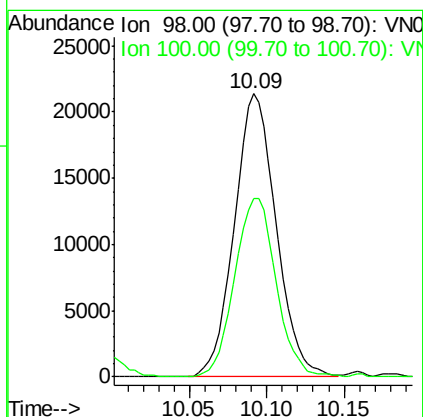
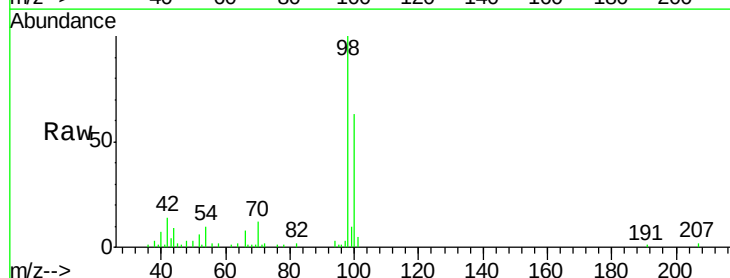
Acq: 13 Jun 2018 20:10

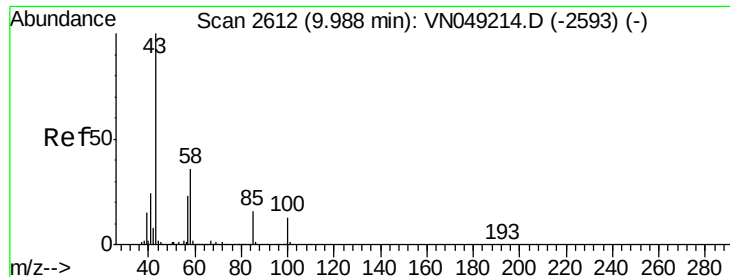
Tgt Ion: 98 Resp: 40147

Ion Ratio Lower Upper

98 100

100 62.7 49.8 74.8





#51

4-Methyl-2-Pentanone

Concen: 4.08 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. -0.00 min

Lab File: VN049211.D

Acq: 13 Jun 2018 20:10

Instrument :

MSVOA_N

ClientSampleId :

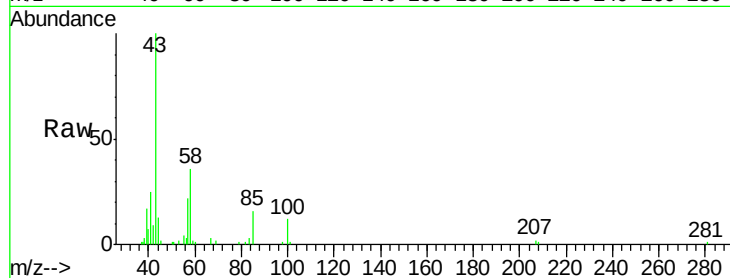
VSTDIC001

Tgt Ion: 43 Resp: 40891

Ion Ratio Lower Upper

43 100

58 38.0 29.0 43.6



Abundance Ion 43.00 (42.70 to 43.70): VN049211.D (-2593) (-)

Ion 58.00 (57.70 to 58.70): VN049211.D (-2593) (-)

25000

20000

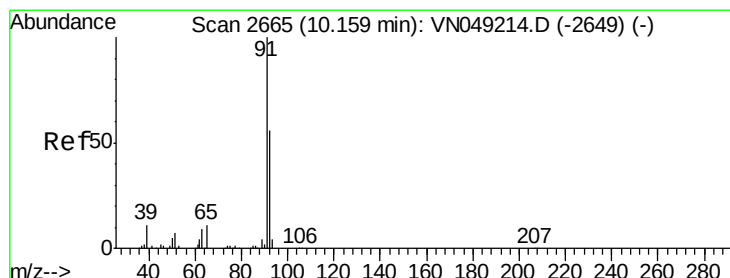
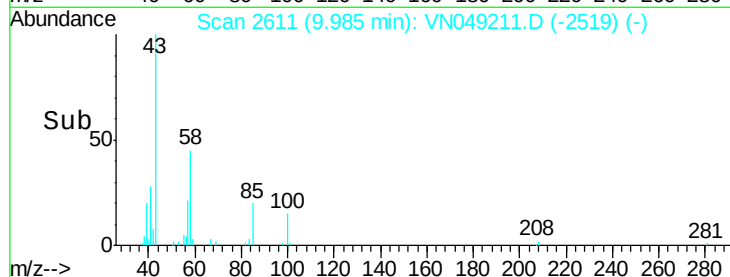
15000

10000

5000

0

Time--> 9.90 9.95 10.00 10.05



#52

Toluene

Concen: 0.91 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN049211.D

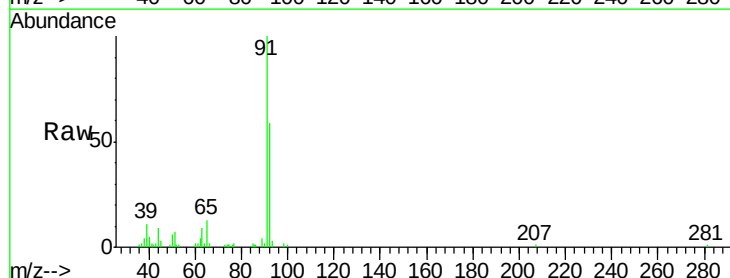
Acq: 13 Jun 2018 20:10

Tgt Ion: 92 Resp: 25258

Ion Ratio Lower Upper

92 100

91 173.8 143.4 215.2



Abundance Ion 92.00 (91.70 to 92.70): VN049211.D (-2649) (-)

Ion 91.00 (90.70 to 91.70): VN049211.D (-2649) (-)

25000

20000

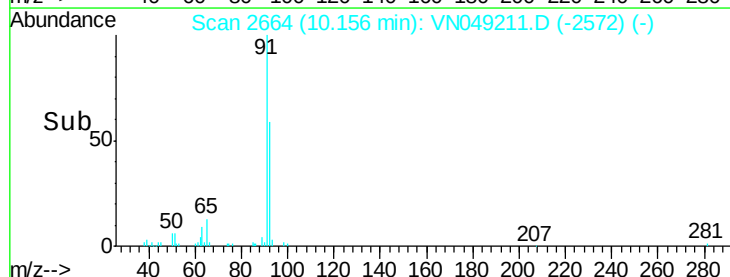
15000

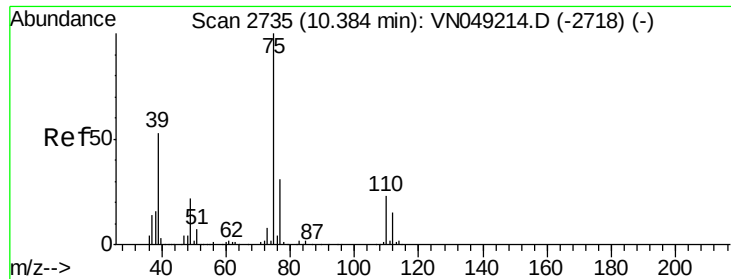
10000

5000

0

Time--> 10.10 10.15 10.20





#53

t-1,3-Dichloropropene

Concen: 0.85 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN049211.D

Acq: 13 Jun 2018 20:10

Instrument :

MSVOA_N

ClientSampleId :

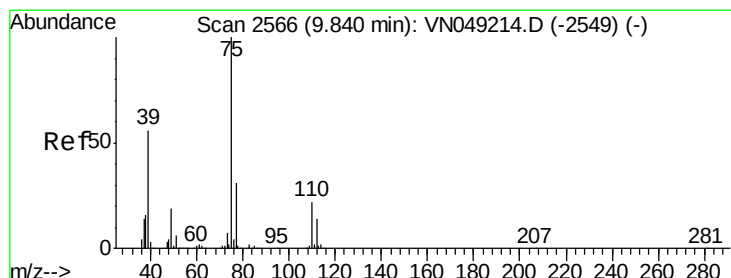
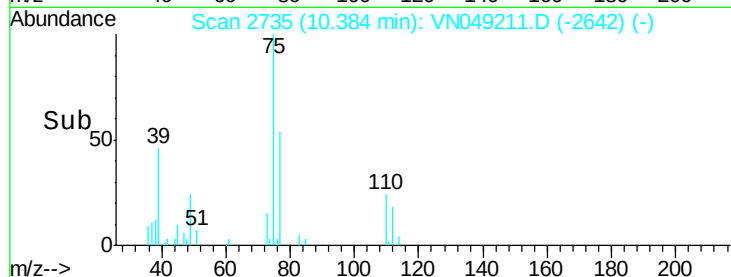
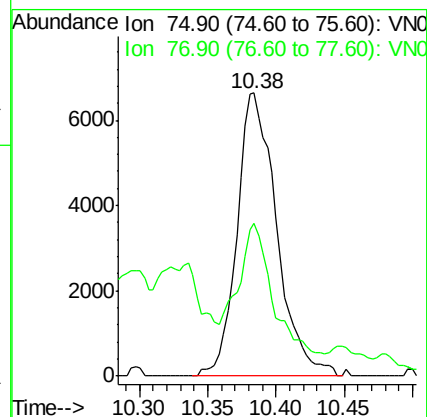
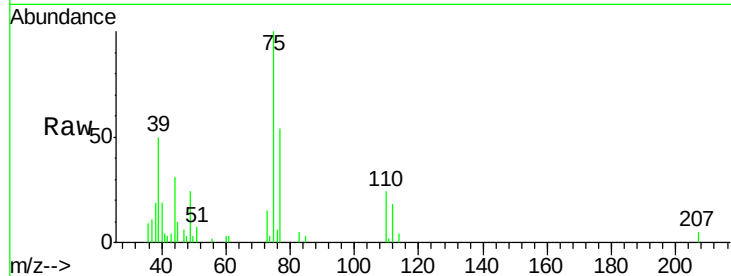
VSTDIC001

Tgt Ion: 75 Resp: 13410

Ion Ratio Lower Upper

75 100

77 43.3 25.2 37.8#



#54

cis-1,3-Dichloropropene

Concen: 0.87 ug/l

RT: 9.84 min Scan# 2567

Delta R.T. 0.00 min

Lab File: VN049211.D

Acq: 13 Jun 2018 20:10

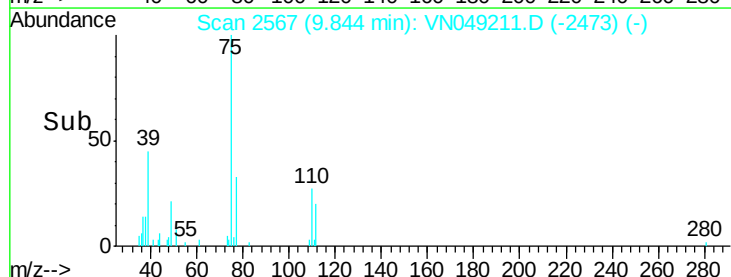
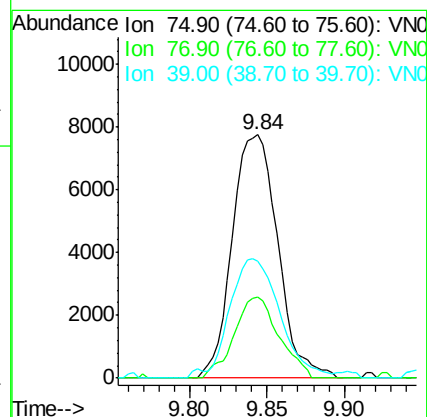
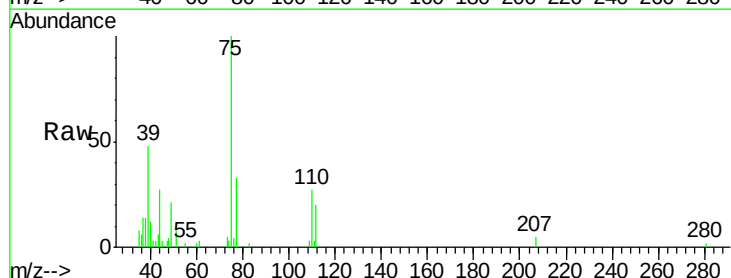
Tgt Ion: 75 Resp: 15877

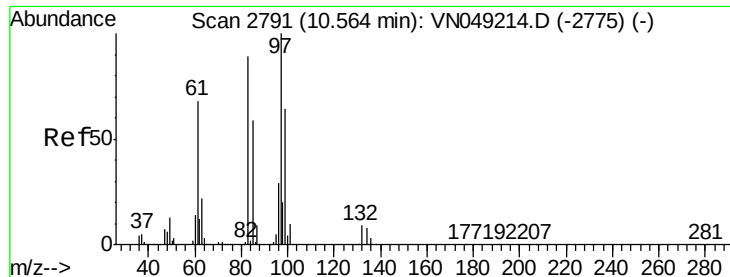
Ion Ratio Lower Upper

75 100

77 33.1 24.8 37.2

39 45.3 45.1 67.7

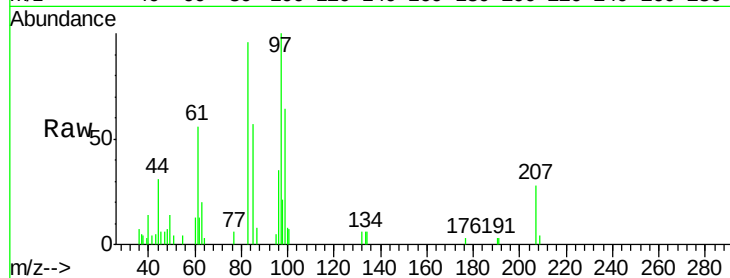




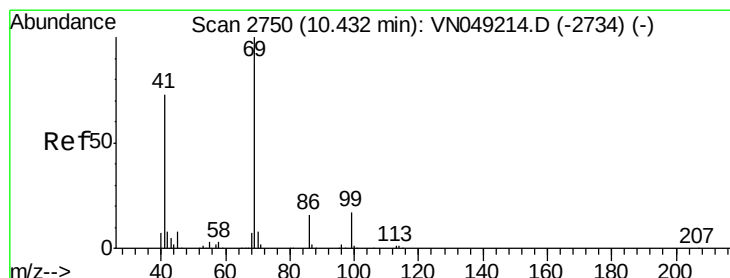
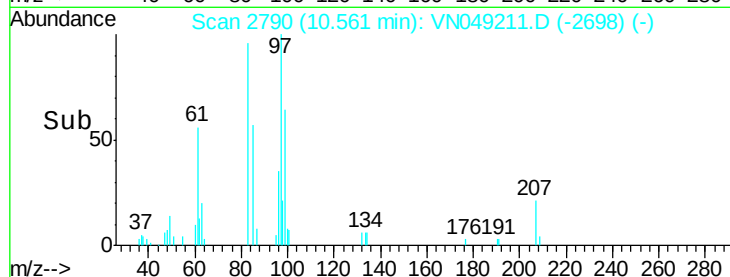
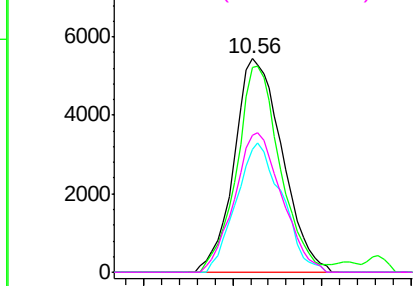
#55
 1,1,2-Trichloroethane
 Concen: 1.03 ug/l
 RT: 10.56 min Scan# 2790
 Delta R.T. -0.00 min
 Lab File: VN049211.D
 Acq: 13 Jun 2018 20:10

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tgt Ion:	97	Resp:	10230
Ion	Ratio	Lower	Upper
97	100		
83	95.7	71.5	107.3
85	57.3	47.0	70.4
99	64.0	51.4	77.2

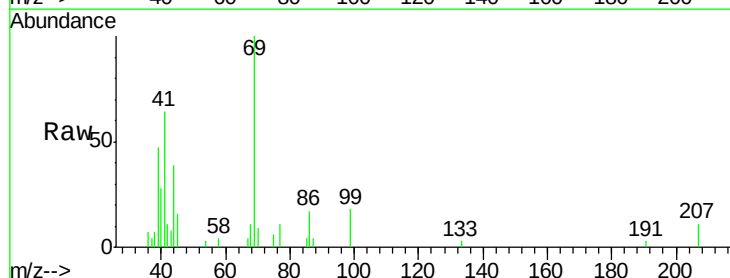


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

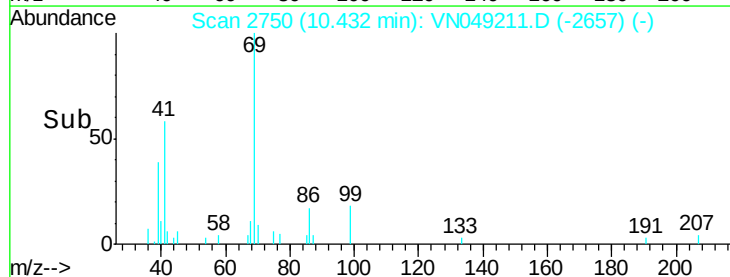
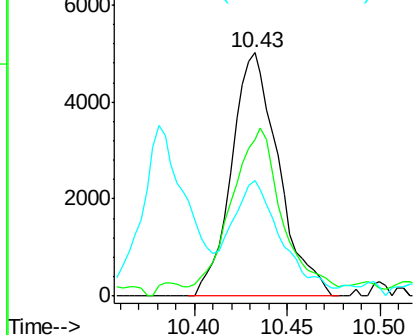


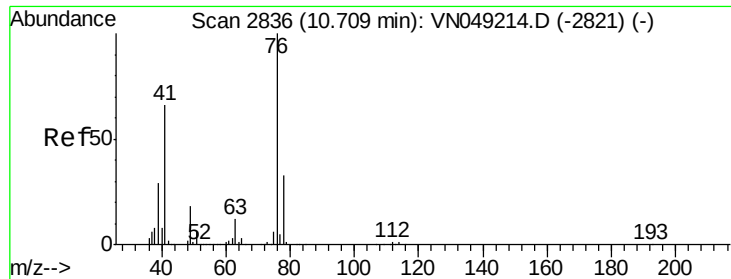
#56
 Ethyl methacrylate
 Concen: 0.69 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN049211.D
 Acq: 13 Jun 2018 20:10

Tgt Ion:	69	Resp:	8868
Ion	Ratio	Lower	Upper
69	100		
41	69.4	58.4	87.6
39	51.4	35.5	53.3



Abundance Ion 69.00 (68.70 to 69.70): VN0
 Ion 41.00 (40.70 to 41.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 0.96 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN049211.D

Acq: 13 Jun 2018 20:10

Instrument :

MSVOA_N

ClientSampleId :

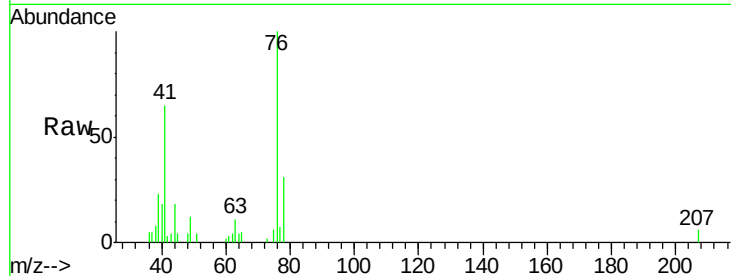
VSTDIC001

Tgt Ion: 76 Resp: 16670

Ion Ratio Lower Upper

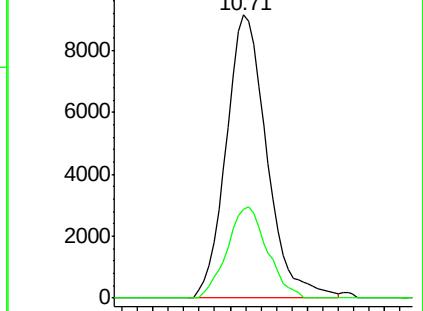
76 100

78 31.6 26.3 39.5

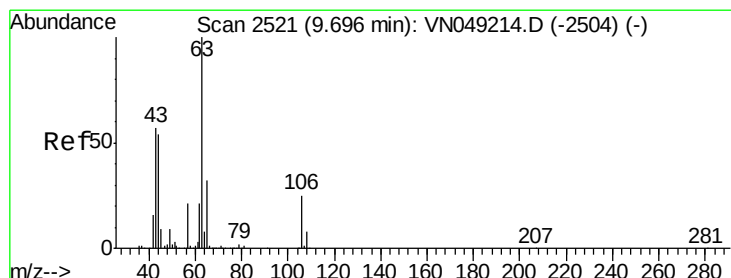
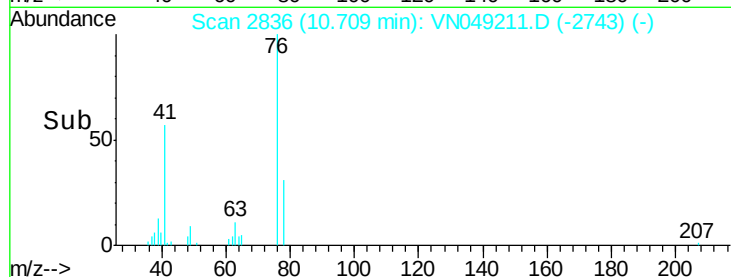


Abundance Ion 75.90 (75.60 to 76.60): VN049211.D (-2743) (-)

Ion 77.90 (77.60 to 78.60): VN049211.D (-2743) (-)



Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 2.87 ug/l

RT: 9.70 min Scan# 2522

Delta R.T. 0.00 min

Lab File: VN049211.D

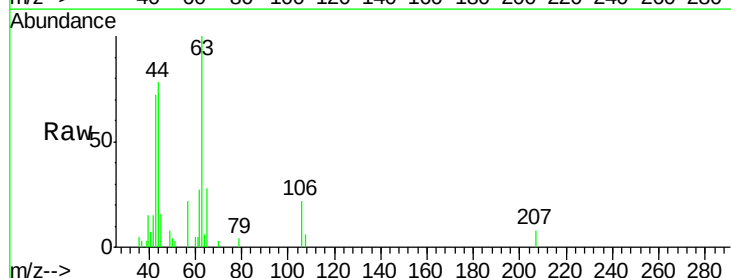
Acq: 13 Jun 2018 20:10

Tgt Ion: 63 Resp: 12228

Ion Ratio Lower Upper

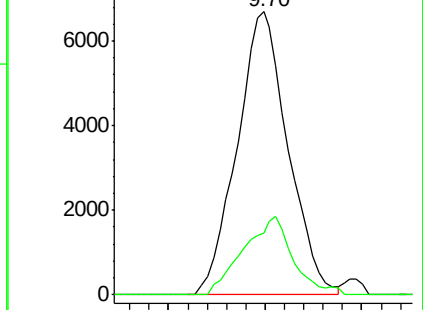
63 100

106 26.8 19.4 29.2

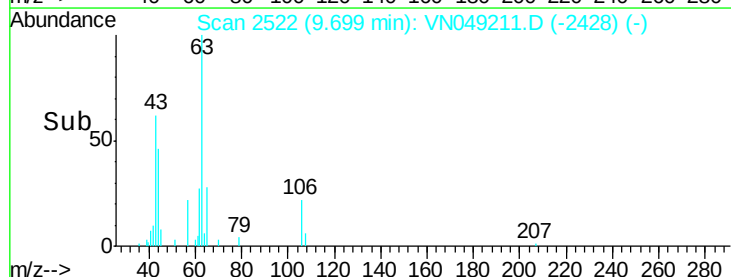


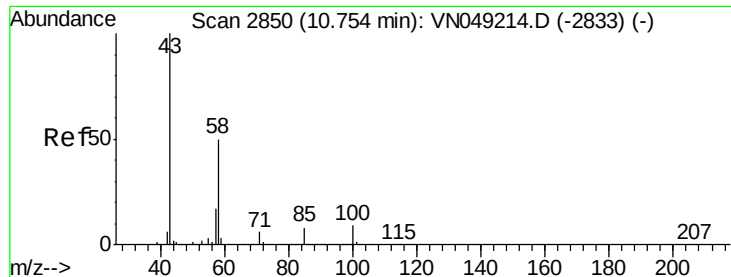
Abundance Ion 62.90 (62.60 to 63.60): VN049211.D (-2428) (-)

Ion 105.90 (105.60 to 106.60): VN049211.D (-2428) (-)



Time-->

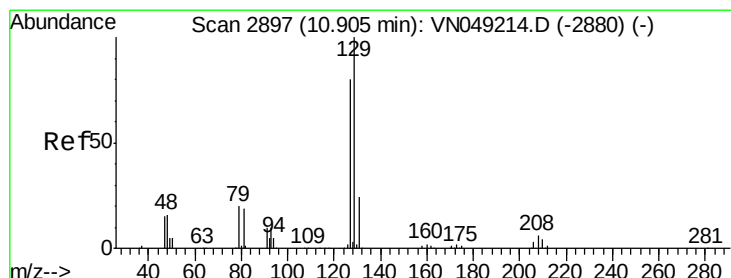
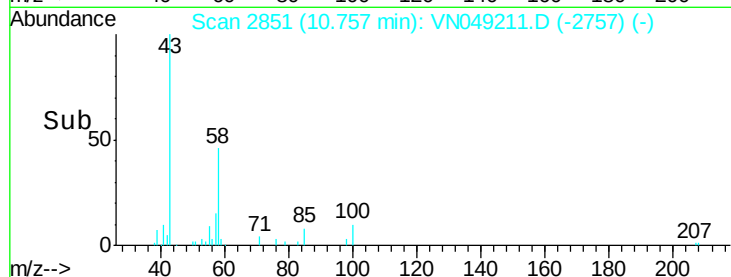
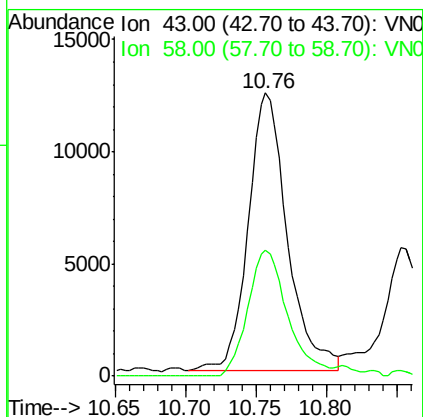
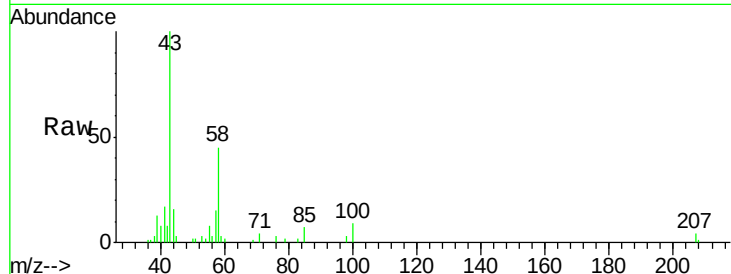




#59
2-Hexanone
Concen: 3.72 ug/l
RT: 10.76 min Scan# 2851
Delta R.T. 0.00 min
Lab File: VN049211.D
Acq: 13 Jun 2018 20:10

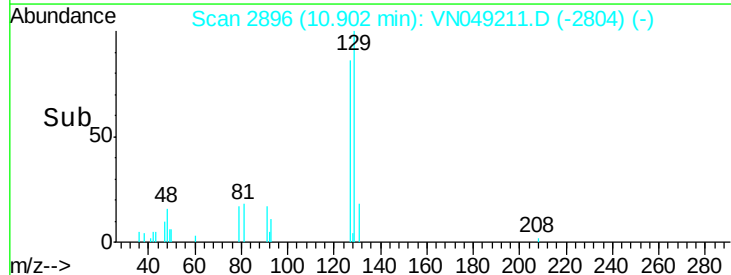
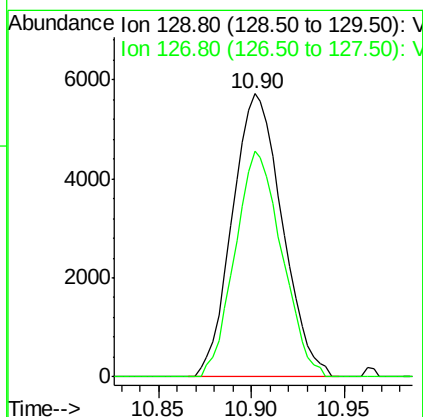
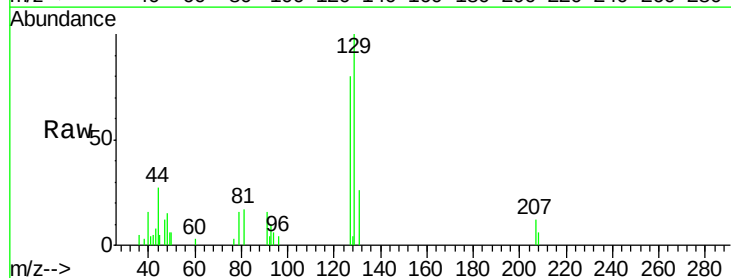
Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

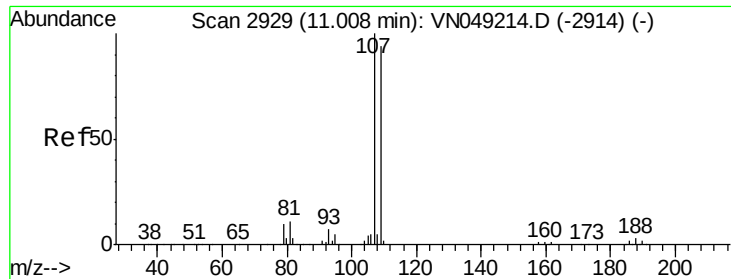
Tgt Ion: 43 Resp: 23985
Ion Ratio Lower Upper
43 100
58 46.4 25.2 75.6



#60
Dibromochloromethane
Concen: 0.97 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN049211.D
Acq: 13 Jun 2018 20:10

Tgt Ion: 129 Resp: 10715
Ion Ratio Lower Upper
129 100
127 74.7 39.1 117.2





#61

1,2-Dibromoethane

Concen: 1.00 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN049211.D

Acq: 13 Jun 2018 20:10

Instrument :

MSVOA_N

ClientSampled :

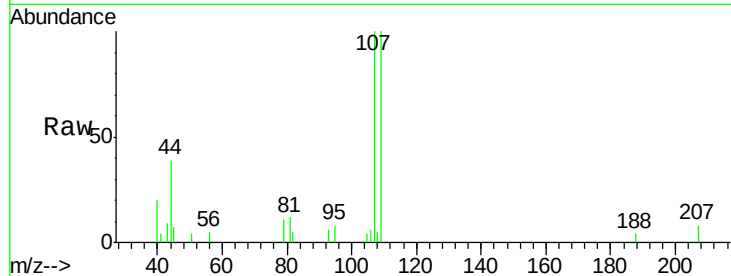
VSTDIC001

Tgt Ion: 107 Resp: 9340

Ion Ratio Lower Upper

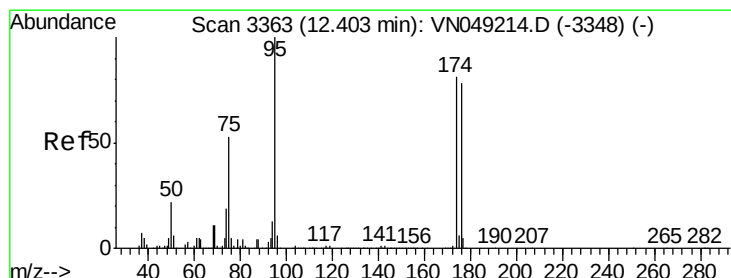
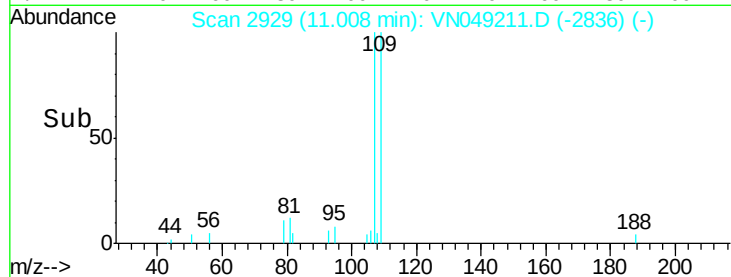
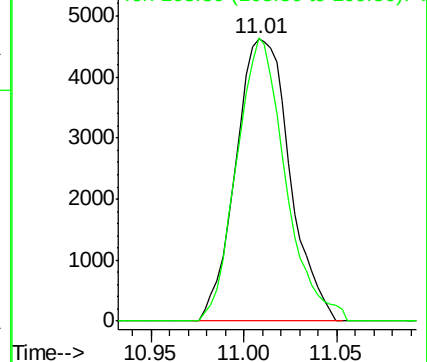
107 100

109 90.4 75.4 113.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 1.06 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049211.D

Acq: 13 Jun 2018 20:10

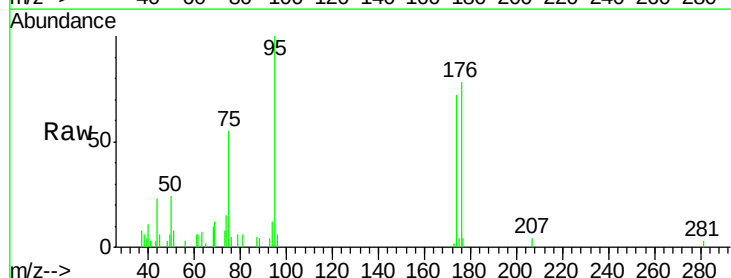
Tgt Ion: 95 Resp: 13896

Ion Ratio Lower Upper

95 100

174 78.5 0.0 165.6

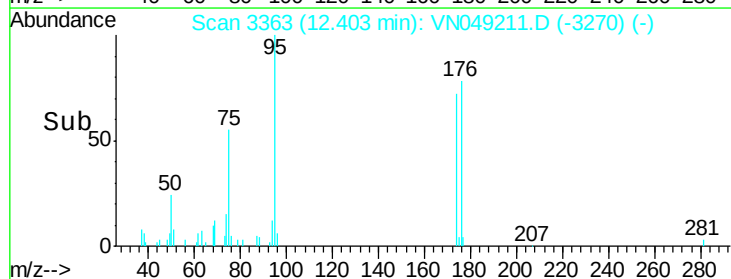
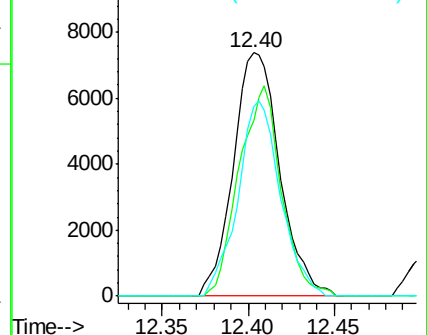
176 73.3 0.0 157.4

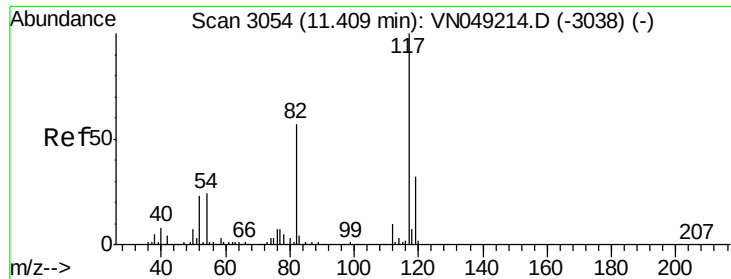


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

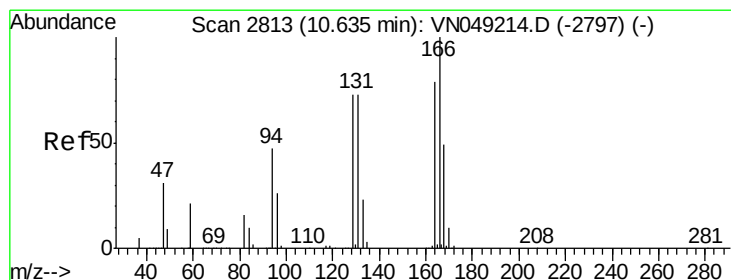
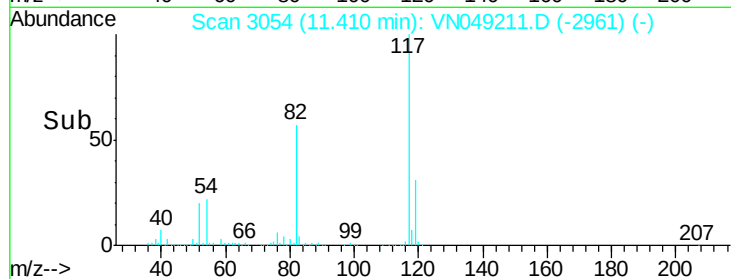
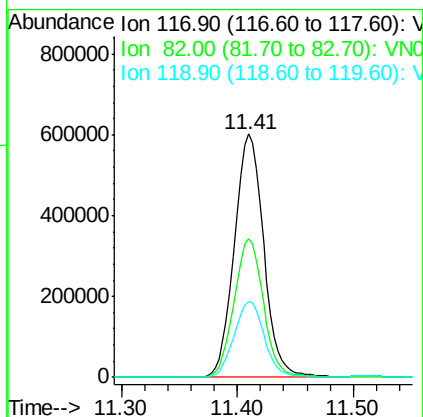
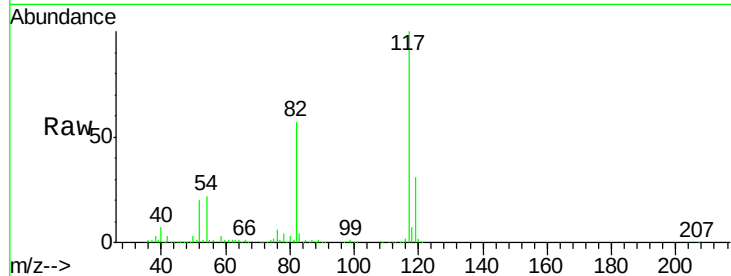




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049211.D
Acq: 13 Jun 2018 20:10

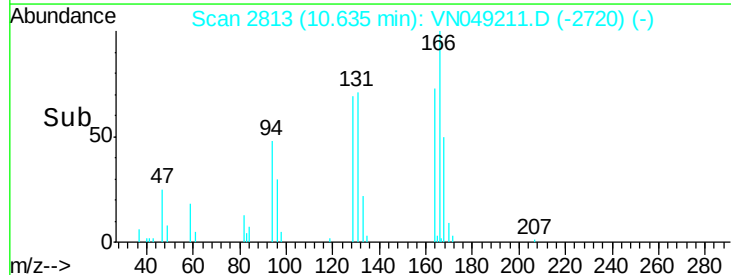
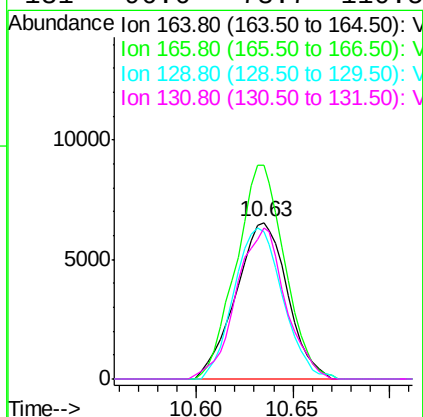
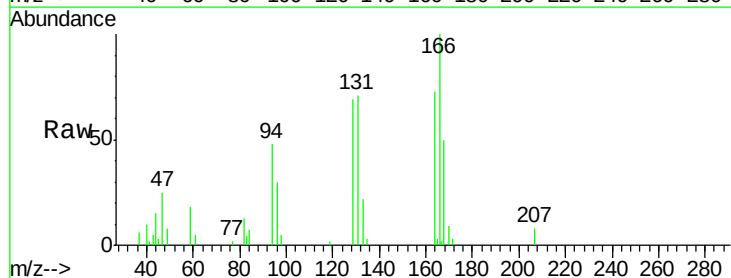
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

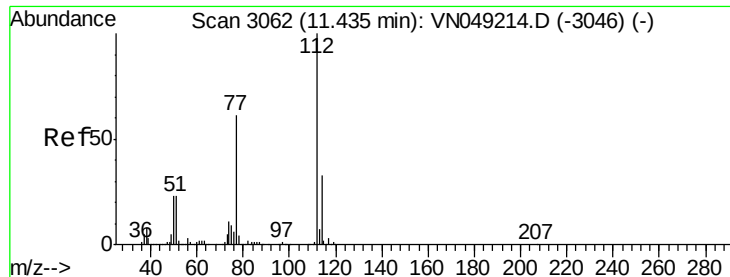
Tgt Ion:117 Resp: 1054223
Ion Ratio Lower Upper
117 100
82 57.1 45.9 68.9
119 31.3 25.5 38.3



#64
Tetrachloroethene
Concen: 1.19 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. 0.00 min
Lab File: VN049211.D
Acq: 13 Jun 2018 20:10

Tgt Ion:164 Resp: 12119
Ion Ratio Lower Upper
164 100
166 136.5 101.4 152.2
129 94.4 74.1 111.1
131 96.6 73.7 110.5





#65

Chlorobenzene

Concen: 1.06 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN049211.D

Acq: 13 Jun 2018 20:10

Instrument :

MSVOA_N

ClientSampleId :

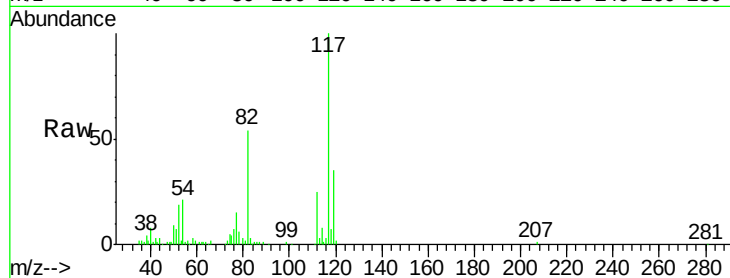
VSTDIC001

Tgt Ion:112 Resp: 28767

Ion Ratio Lower Upper

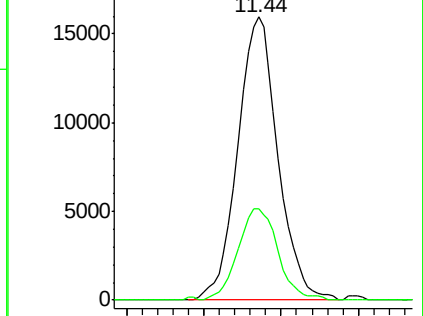
112 100

114 32.2 26.2 39.4

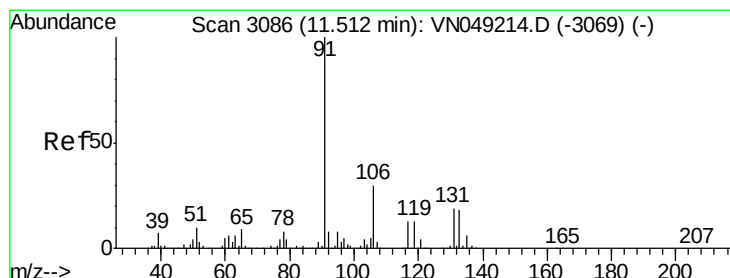
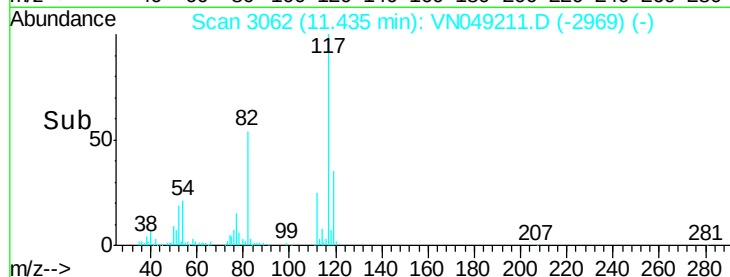


Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 1.15 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN049211.D

Acq: 13 Jun 2018 20:10

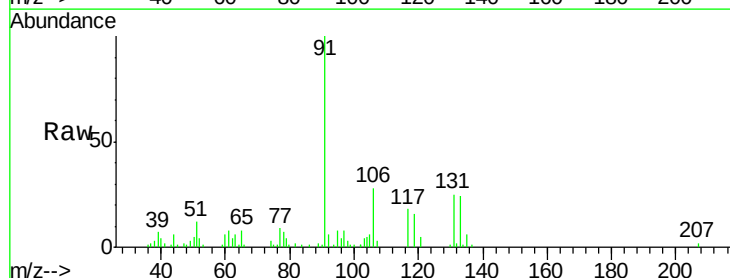
Tgt Ion:131 Resp: 11611

Ion Ratio Lower Upper

131 100

133 89.9 48.0 144.2

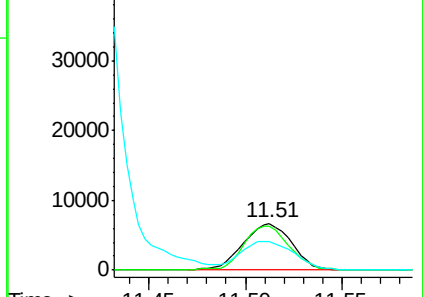
119 0.0 33.6 100.8#



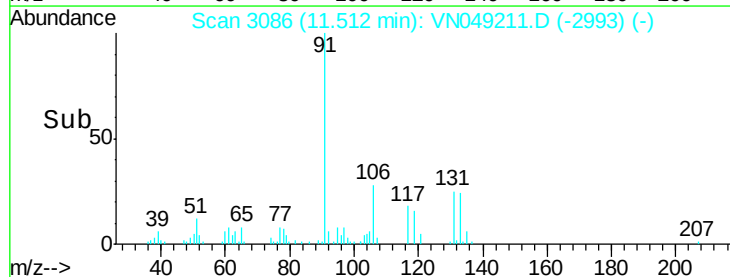
Abundance Ion 130.80 (130.50 to 131.50): V

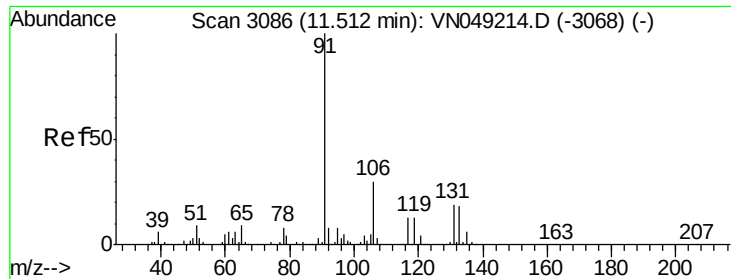
Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



Time-->

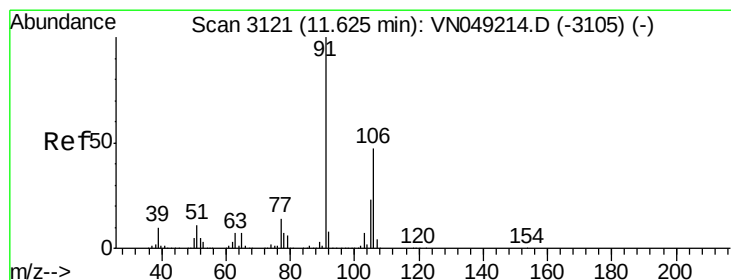
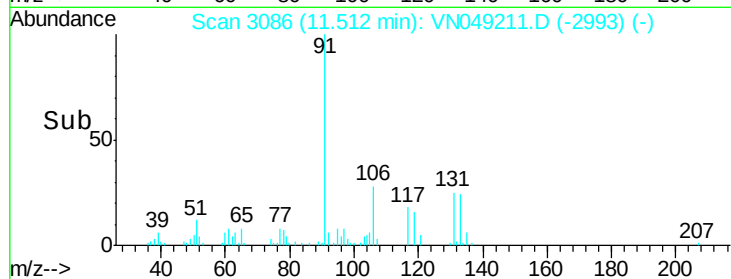
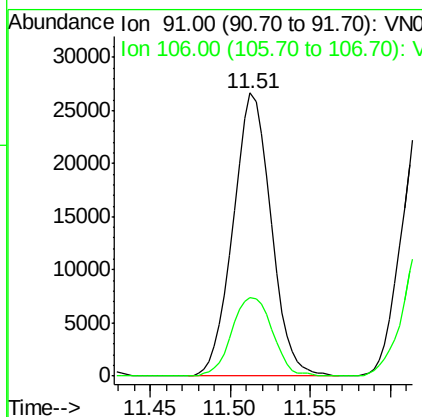
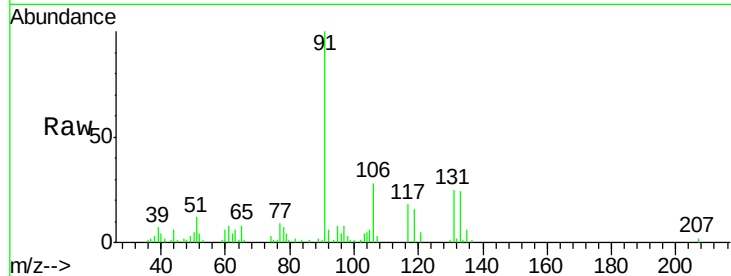




#67
Ethyl Benzene
Concen: 0.89 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN049211.D
Acq: 13 Jun 2018 20:10

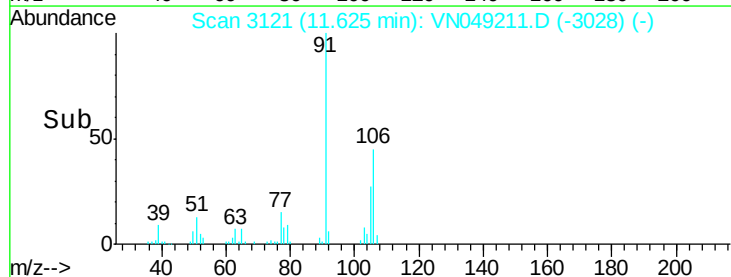
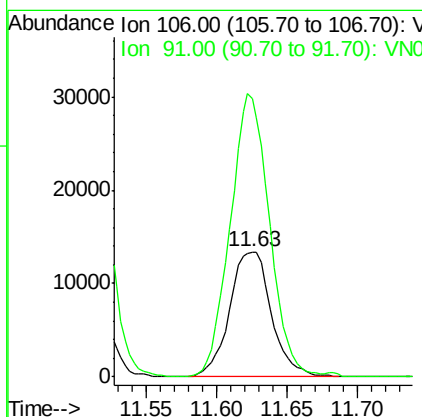
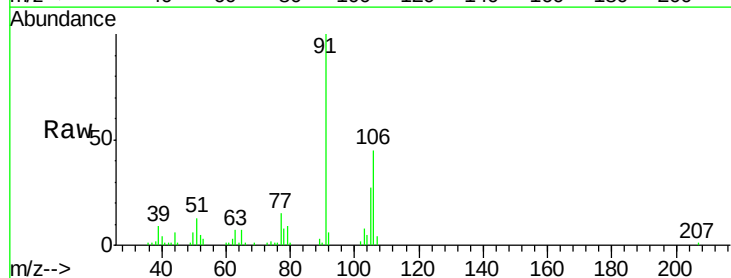
Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

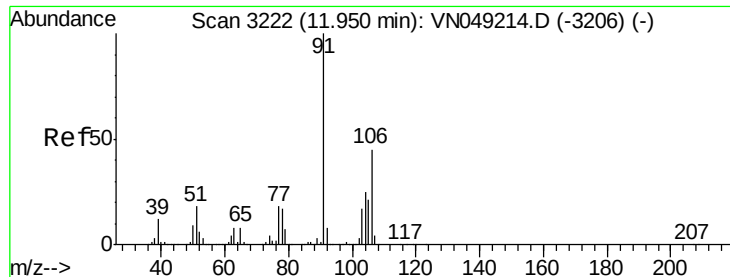
Tgt Ion: 91 Resp: 43074
Ion Ratio Lower Upper
91 100
106 27.6 23.9 35.9



#68
m/p-Xylenes
Concen: 1.55 ug/l
RT: 11.63 min Scan# 3121
Delta R.T. 0.00 min
Lab File: VN049211.D
Acq: 13 Jun 2018 20:10

Tgt Ion: 106 Resp: 27861
Ion Ratio Lower Upper
106 100
91 211.6 167.3 250.9

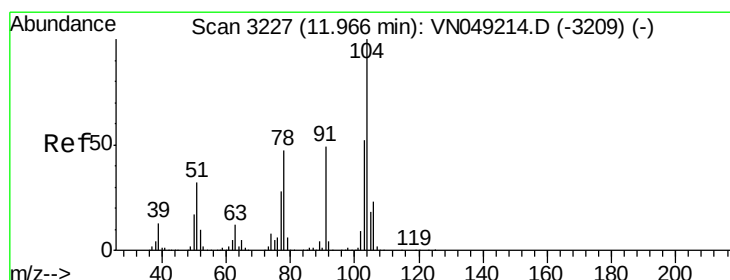
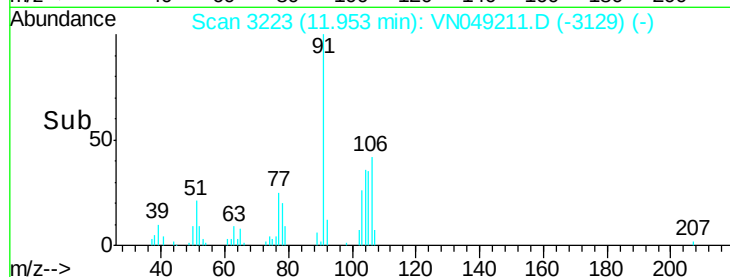
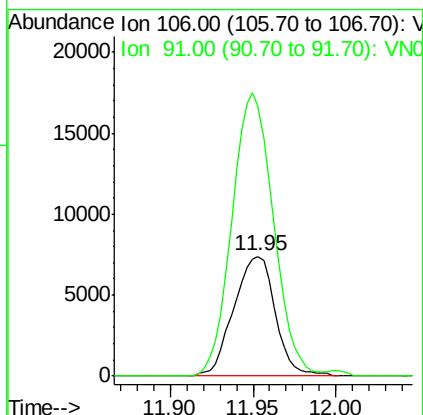
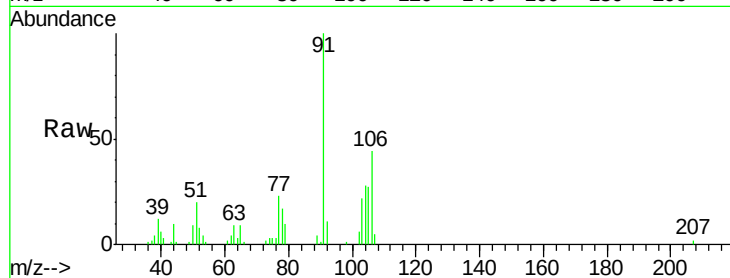




#69
o-Xylene
Concen: 0.75 ug/l
RT: 11.95 min Scan# 3223
Delta R.T. 0.00 min
Lab File: VN049211.D
Acq: 13 Jun 2018 20:10

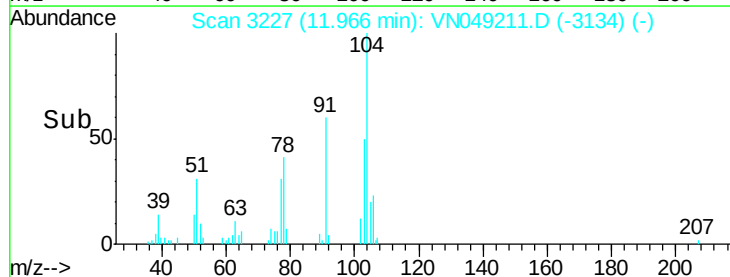
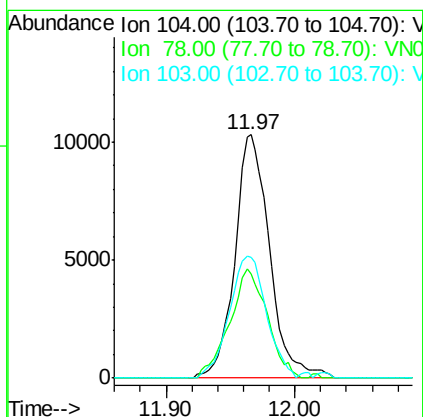
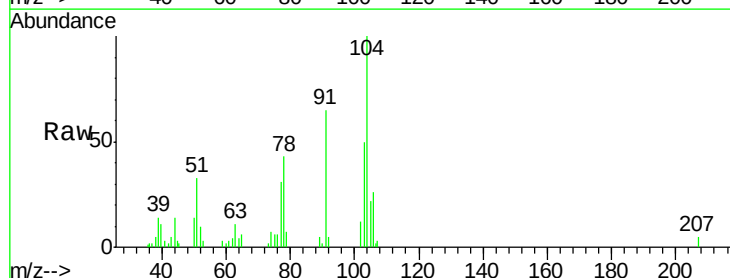
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

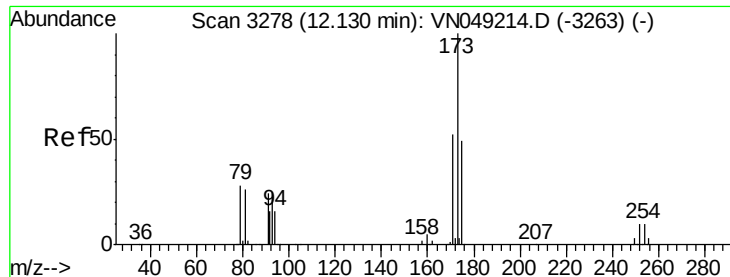
Tgt Ion:106 Resp: 12861
Ion Ratio Lower Upper
106 100
91 236.4 111.0 333.0



#70
Styrene
Concen: 0.69 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN049211.D
Acq: 13 Jun 2018 20:10

Tgt Ion:104 Resp: 19256
Ion Ratio Lower Upper
104 100
78 48.6 41.6 62.4
103 53.6 45.4 68.2





#71

Bromoform

Concen: 0.92 ug/l

RT: 12.13 min Scan# 3278

Delta R.T. 0.00 min

Lab File: VN049211.D

Acq: 13 Jun 2018 20:10

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

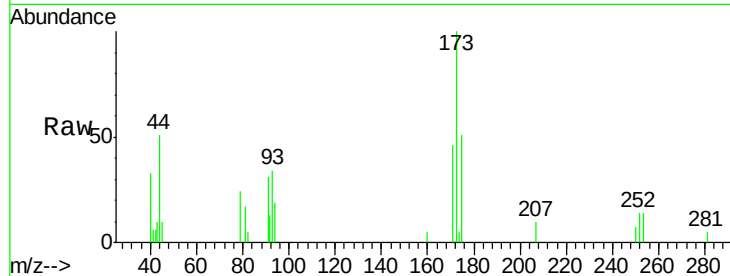
Tgt Ion:173 Resp: 6060

Ion Ratio Lower Upper

173 100

175 53.8 24.5 73.5

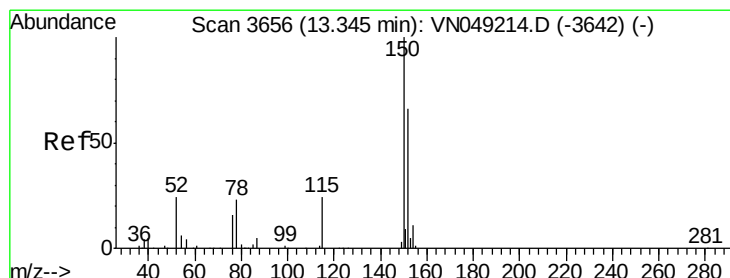
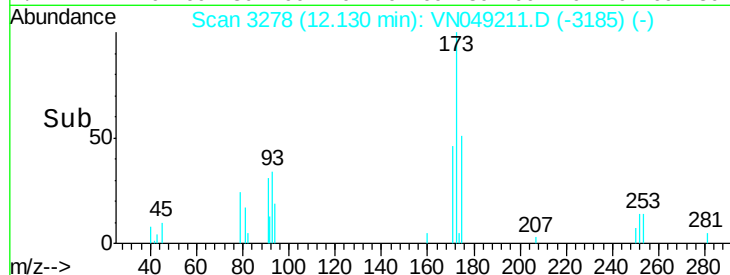
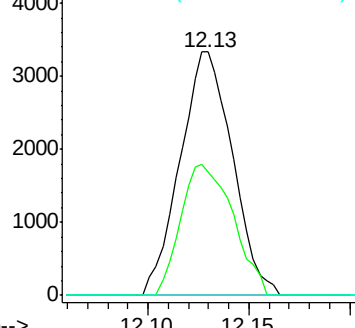
254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3657

Delta R.T. 0.00 min

Lab File: VN049211.D

Acq: 13 Jun 2018 20:10

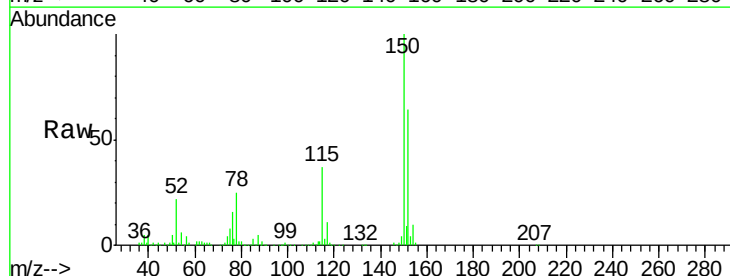
Tgt Ion:152 Resp: 304938

Ion Ratio Lower Upper

152 100

115 58.0 28.7 86.1

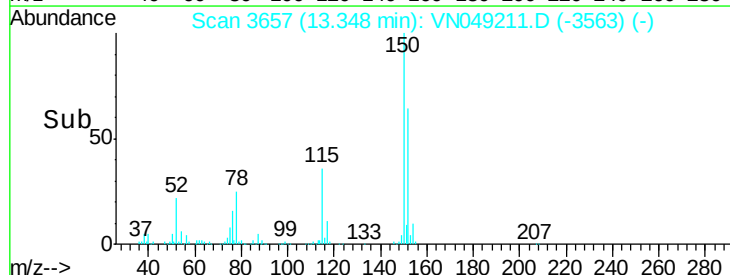
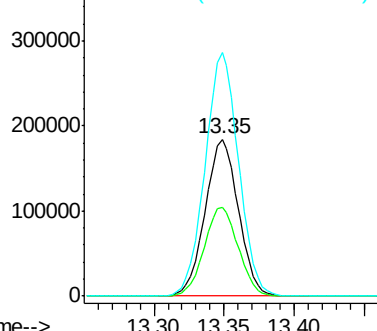
150 155.4 0.0 351.0

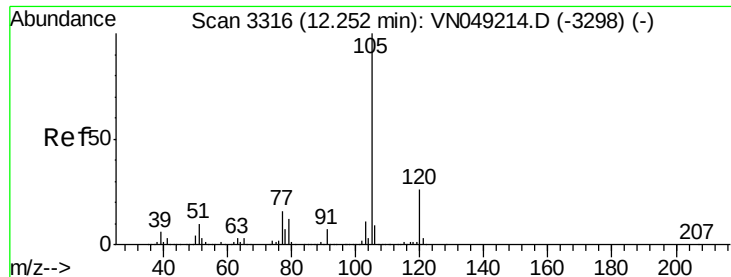


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 1.24 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049211.D

Acq: 13 Jun 2018 20:10

Instrument :

MSVOA_N

ClientSampleId :

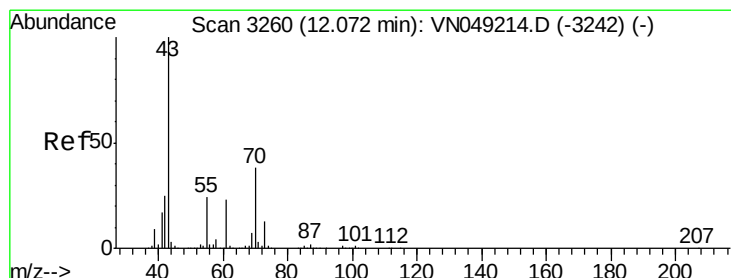
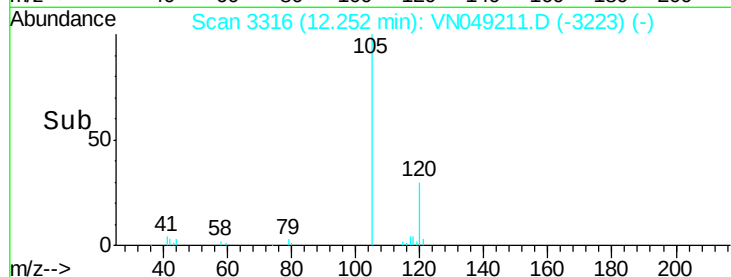
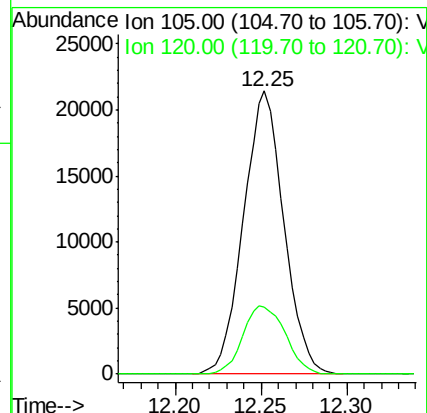
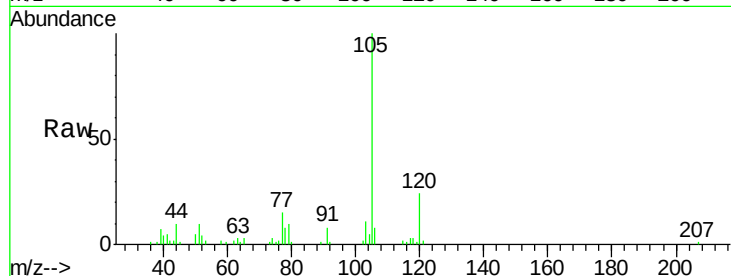
VSTDIC001

Tgt Ion: 105 Resp: 34923

Ion Ratio Lower Upper

105 100

120 25.3 12.8 38.3



#74

N-ethyl acetate

Concen: 1.12 ug/l

RT: 12.08 min Scan# 3262

Delta R.T. 0.01 min

Lab File: VN049211.D

Acq: 13 Jun 2018 20:10

Tgt Ion: 43 Resp: 9417

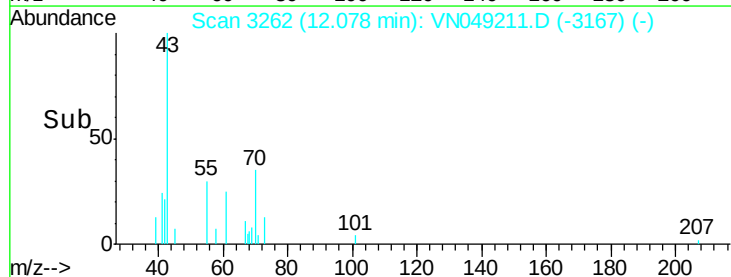
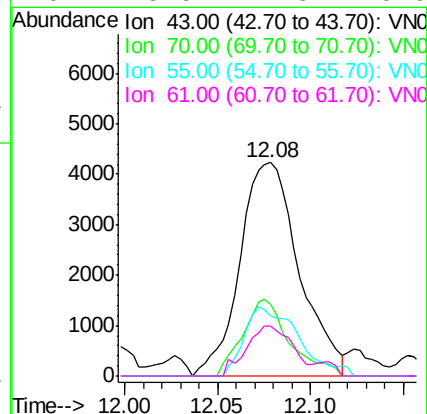
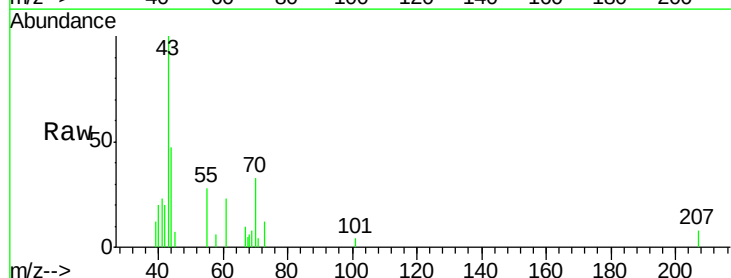
Ion Ratio Lower Upper

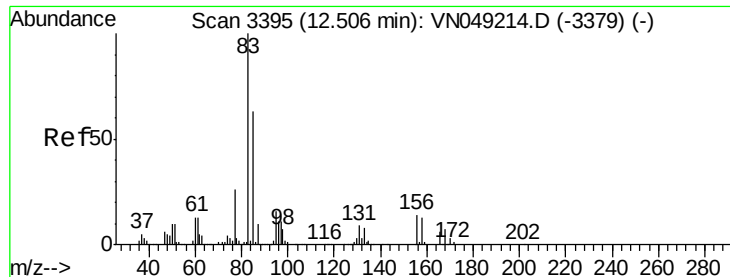
43 100

70 28.4 30.3 45.5#

55 29.6 19.4 29.2#

61 18.5 17.8 26.6





#75

1,1,2,2-Tetrachloroethane

Concen: 1.62 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049211.D

Acq: 13 Jun 2018 20:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

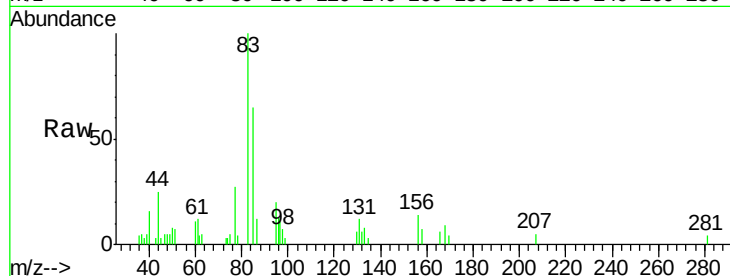
Tgt Ion: 83 Resp: 11175

Ion Ratio Lower Upper

83 100

131 10.6 5.0 15.0

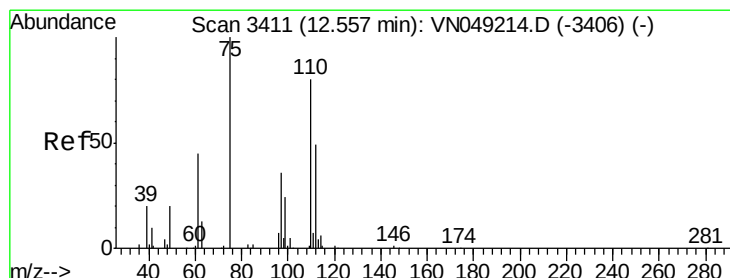
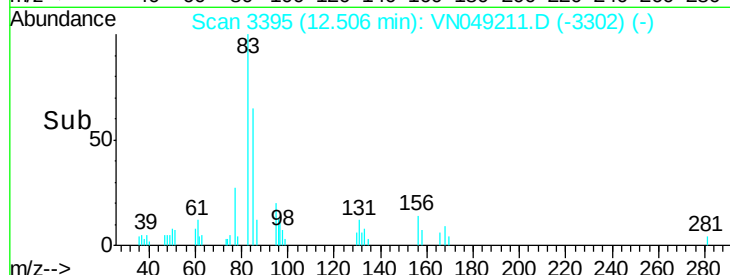
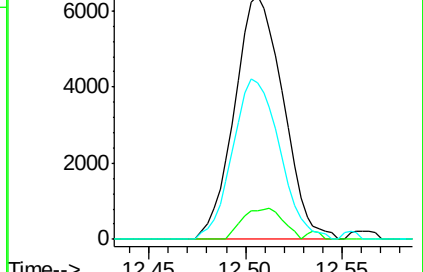
85 64.0 32.0 96.0



Abundance Ion 82.90 (82.60 to 83.60): VN049211.D (-3379) (-)

Ion 130.80 (130.50 to 131.50): VN049211.D (-3379) (-)

Ion 84.90 (84.60 to 85.60): VN049211.D (-3379) (-)



#76

1,2,3-Trichloropropane

Concen: 2.28 ug/l

RT: 12.56 min Scan# 3412

Delta R.T. 0.00 min

Lab File: VN049211.D

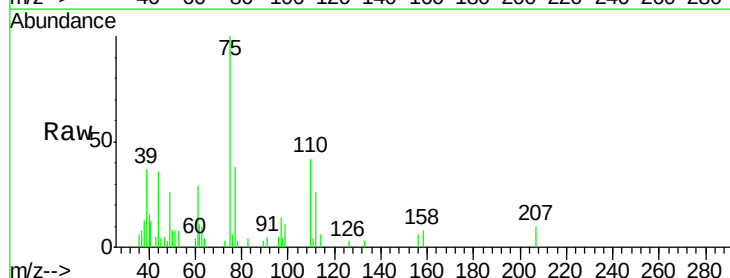
Acq: 13 Jun 2018 20:10

Tgt Ion: 75 Resp: 13395

Ion Ratio Lower Upper

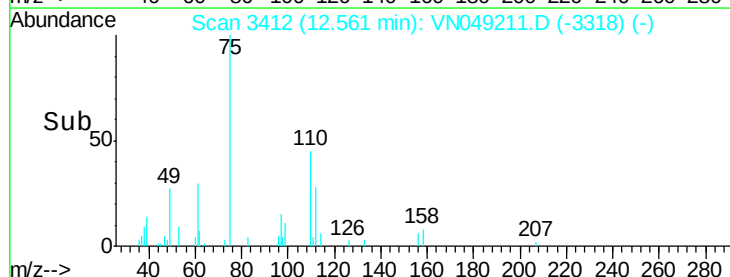
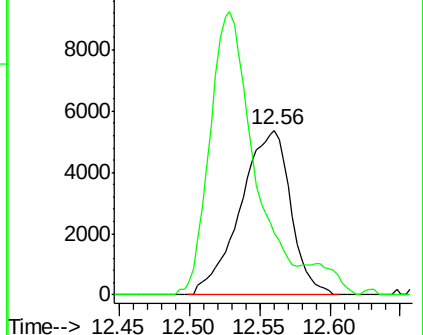
75 100

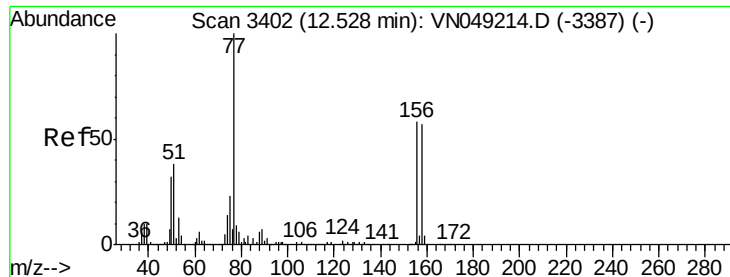
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN049211.D (-3406) (-)

Ion 77.00 (76.70 to 77.70): VN049211.D (-3406) (-)





#77

Bromobenzene

Concen: 1.50 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN049211.D

Acq: 13 Jun 2018 20:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

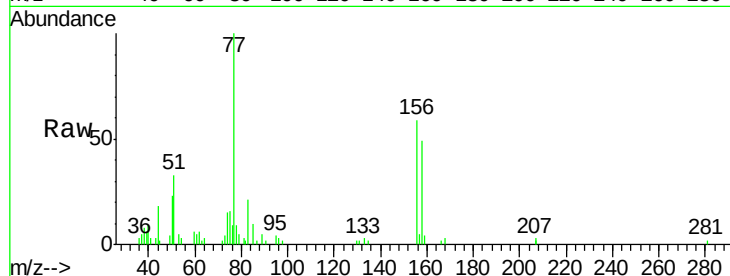
Tgt Ion:156 Resp: 9975

Ion Ratio Lower Upper

156 100

77 200.6 100.8 302.4

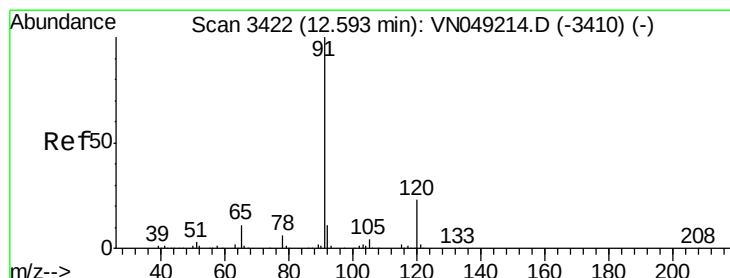
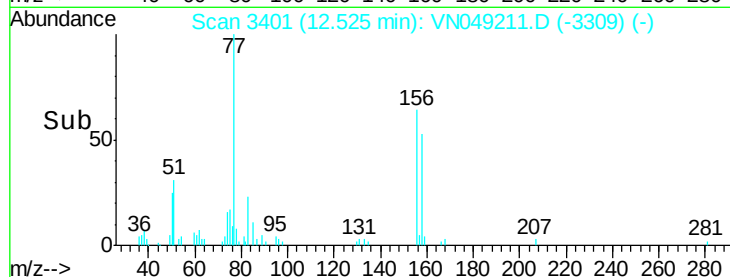
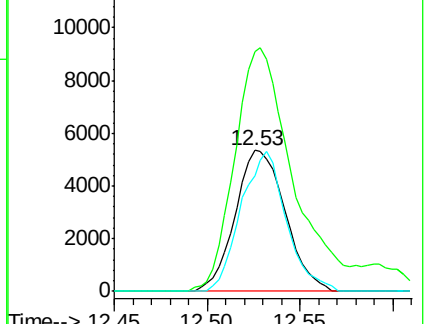
158 90.3 49.3 147.9



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



#78

n-propylbenzene

Concen: 1.07 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049211.D

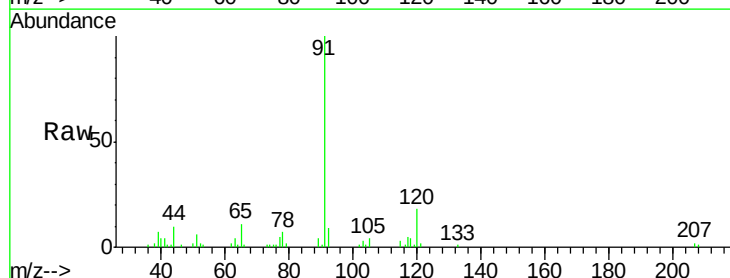
Acq: 13 Jun 2018 20:10

Tgt Ion: 91 Resp: 34630

Ion Ratio Lower Upper

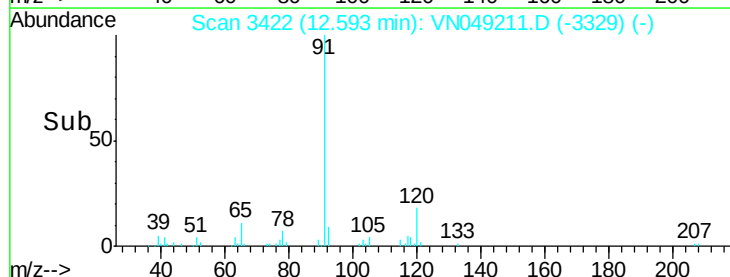
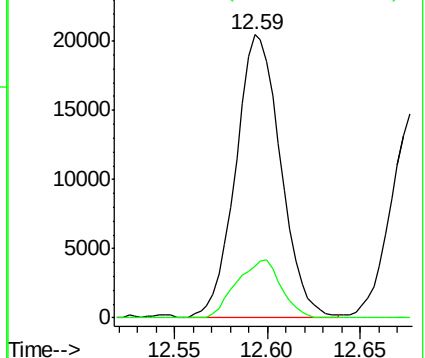
91 100

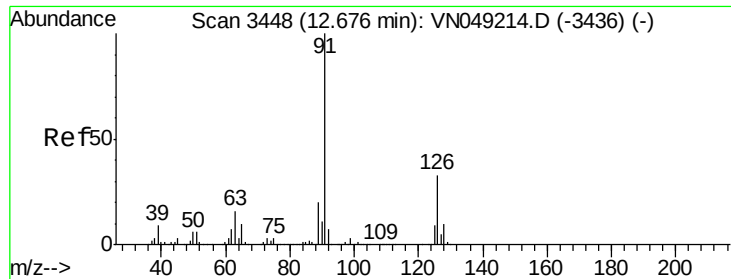
120 20.2 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 1.25 ug/l

RT: 12.68 min Scan# 3449

Delta R.T. 0.00 min

Lab File: VN049211.D

Acq: 13 Jun 2018 20:10

Instrument :

MSVOA_N

ClientSampleId :

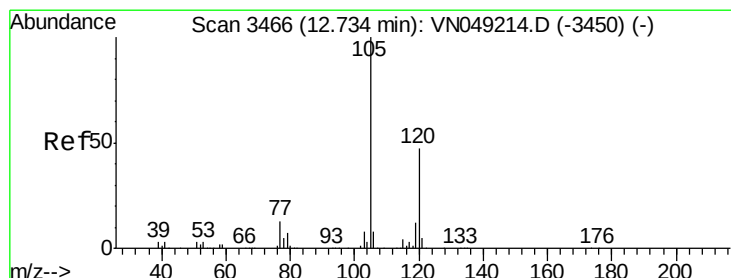
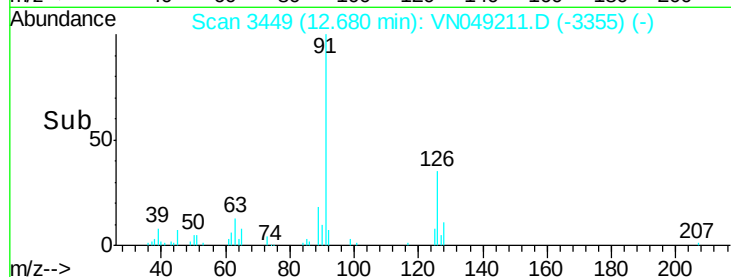
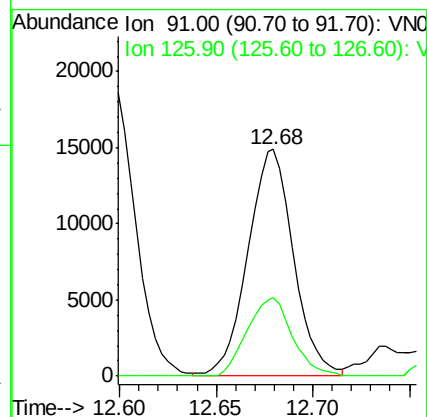
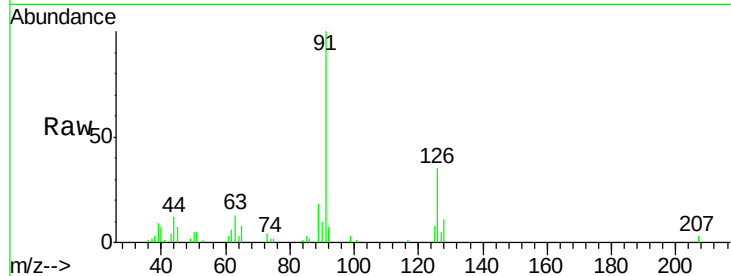
VSTDIC001

Tgt Ion: 91 Resp: 24561

Ion Ratio Lower Upper

91 100

126 33.9 16.6 49.8



#80

1,3,5-Trimethylbenzene

Concen: 0.96 ug/l

RT: 12.74 min Scan# 3467

Delta R.T. 0.00 min

Lab File: VN049211.D

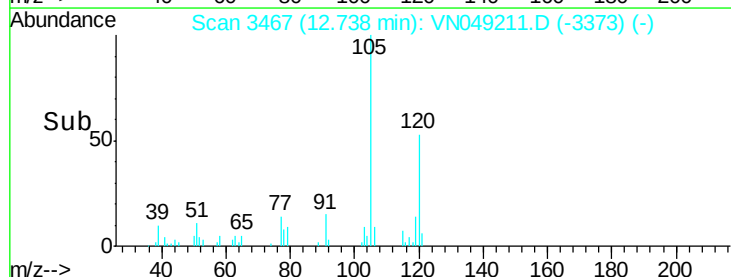
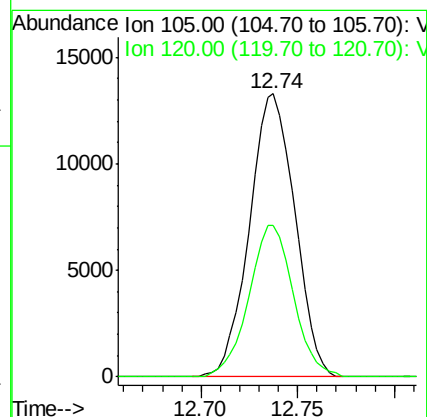
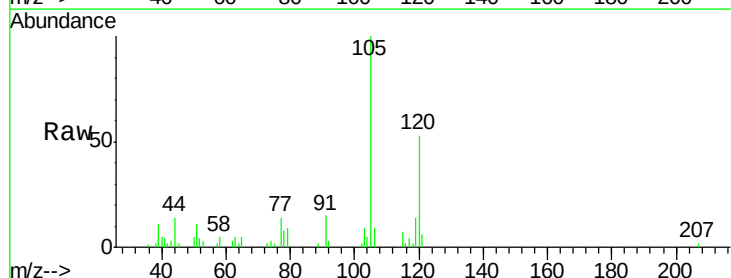
Acq: 13 Jun 2018 20:10

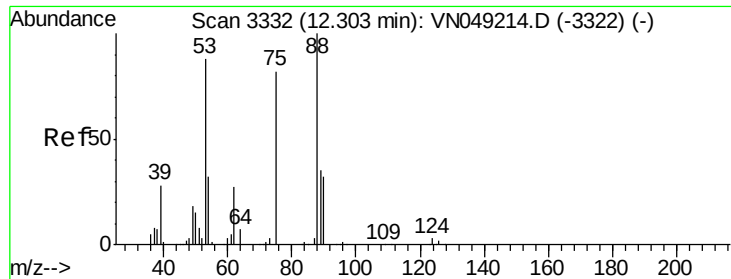
Tgt Ion: 105 Resp: 21677

Ion Ratio Lower Upper

105 100

120 52.6 23.5 70.5





#81

trans-1,4-Dichloro-2-butene

Concen: 1.19 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN049211.D

Acq: 13 Jun 2018 20:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

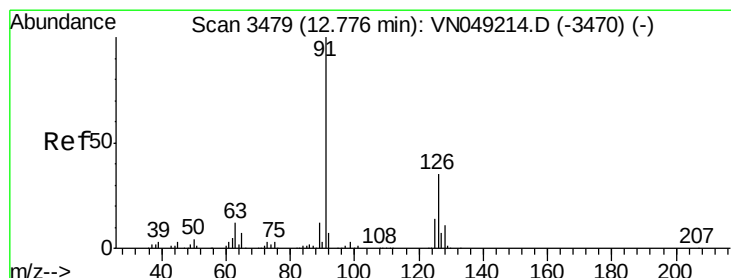
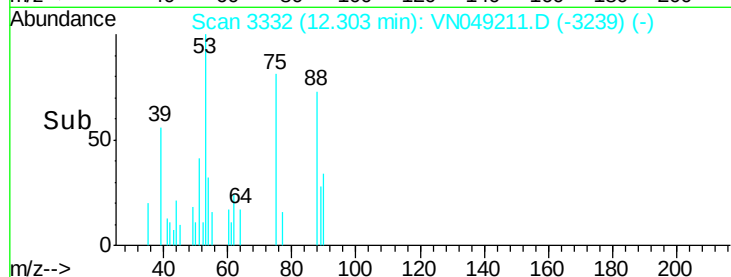
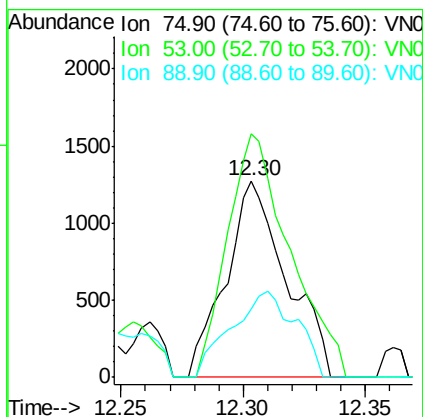
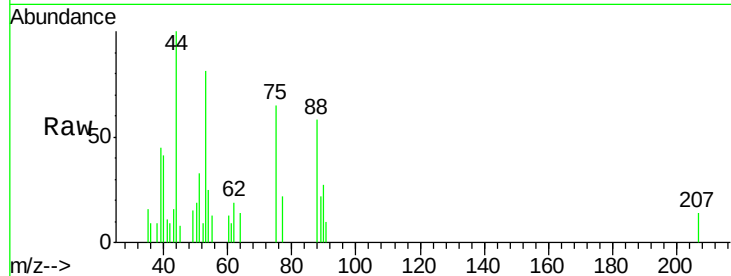
Tgt Ion: 75 Resp: 2193

Ion Ratio Lower Upper

75 100

53 128.1 82.7 124.1#

89 46.5 36.5 54.7



#82

4-Chlorotoluene

Concen: 1.05 ug/l

RT: 12.78 min Scan# 3479

Delta R.T. 0.00 min

Lab File: VN049211.D

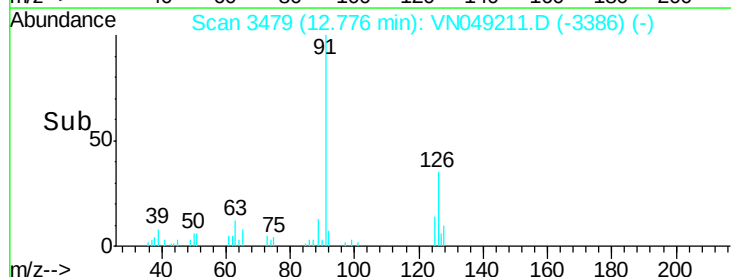
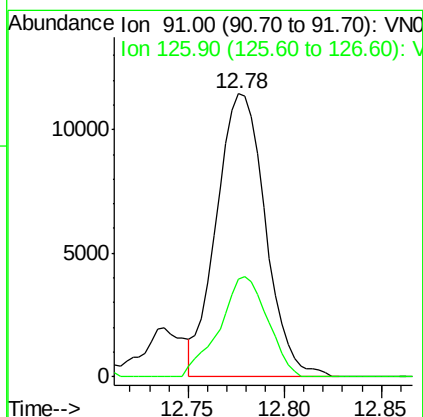
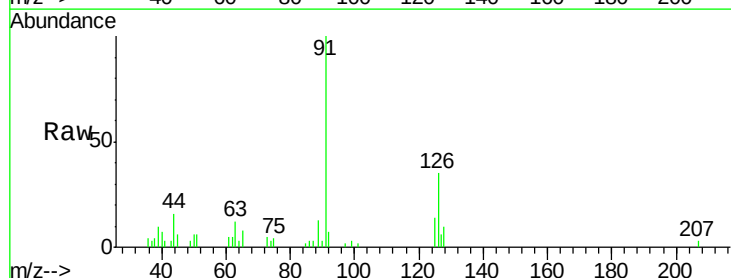
Acq: 13 Jun 2018 20:10

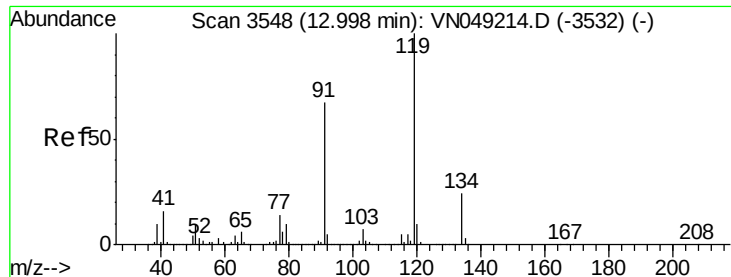
Tgt Ion: 91 Resp: 20184

Ion Ratio Lower Upper

91 100

126 34.4 16.4 49.1

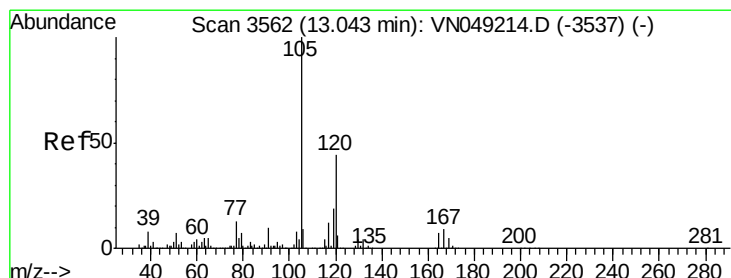
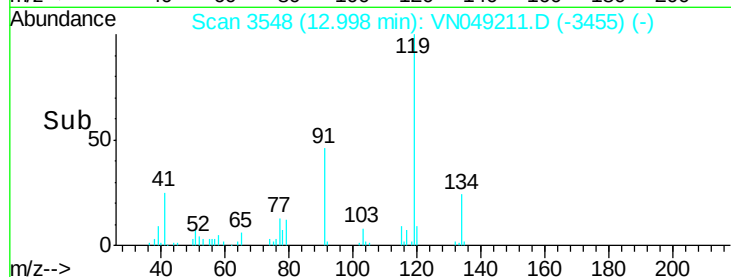
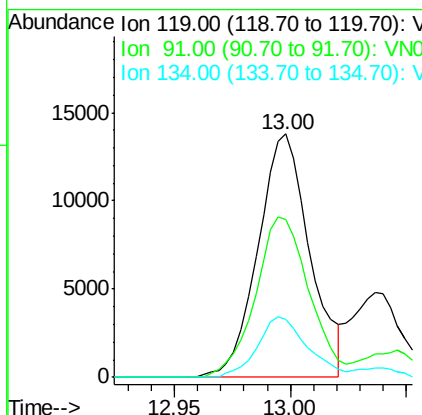
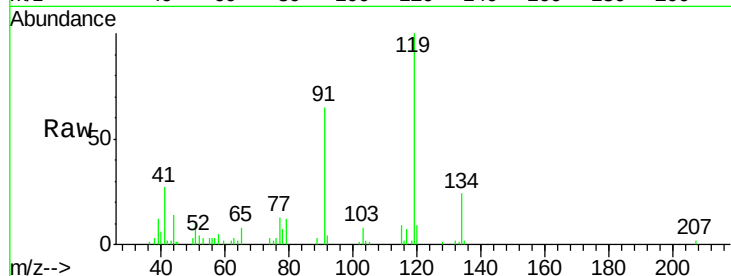




#83
 tert-Butylbenzene
 Concen: 1.13 ug/l
 RT: 13.00 min Scan# 3548
 Delta R.T. 0.00 min
 Lab File: VN049211.D
 Acq: 13 Jun 2018 20:10

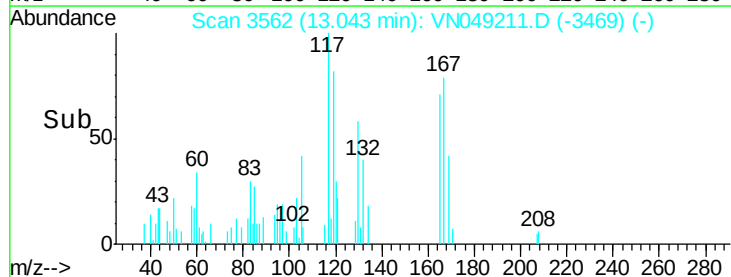
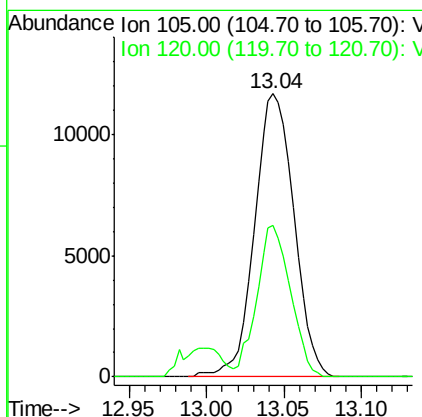
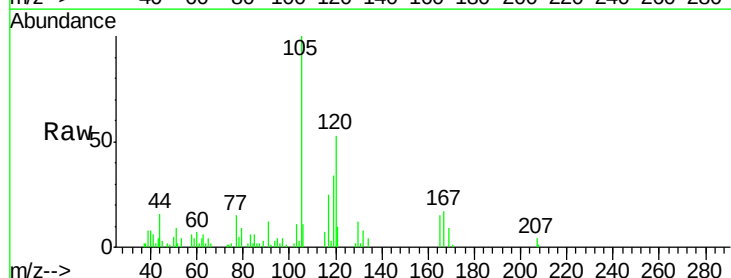
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

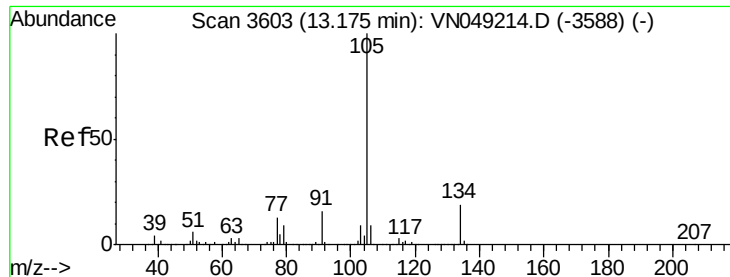
Tgt Ion:119 Resp: 21455
 Ion Ratio Lower Upper
 119 100
 91 68.2 33.7 101.0
 134 23.8 12.9 38.6



#84
 1,2,4-Trimethylbenzene
 Concen: 0.91 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN049211.D
 Acq: 13 Jun 2018 20:10

Tgt Ion:105 Resp: 20695
 Ion Ratio Lower Upper
 105 100
 120 45.9 22.2 66.6





#85

sec-Butylbenzene

Concen: 0.98 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049211.D

Acq: 13 Jun 2018 20:10

Instrument :

MSVOA_N

ClientSampleId :

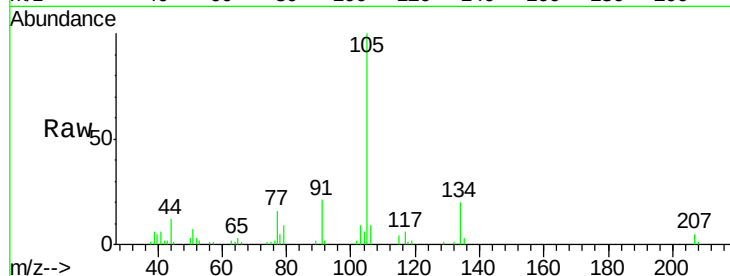
VSTDIC001

Tgt Ion:105 Resp: 25336

Ion Ratio Lower Upper

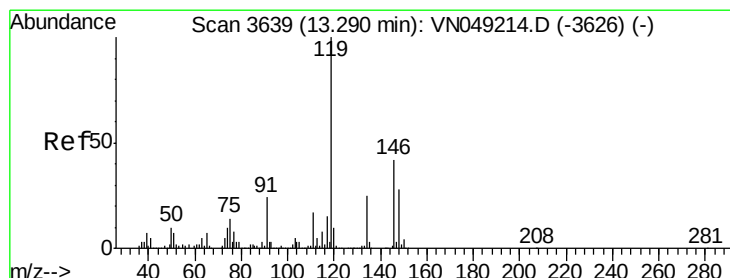
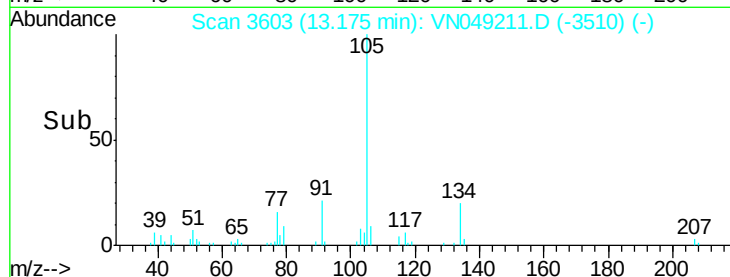
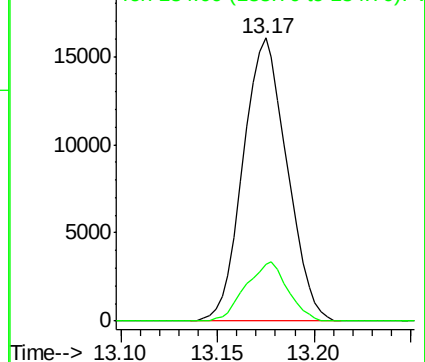
105 100

134 20.1 9.8 29.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 0.83 ug/l

RT: 13.29 min Scan# 3640

Delta R.T. 0.00 min

Lab File: VN049211.D

Acq: 13 Jun 2018 20:10

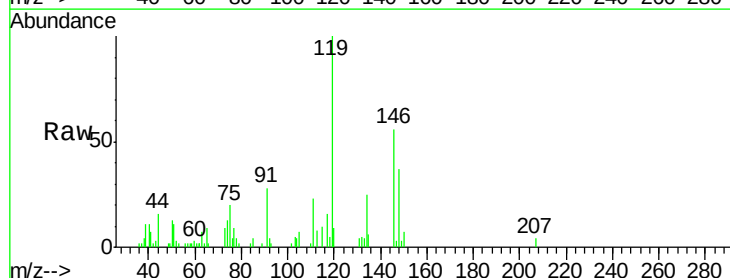
Tgt Ion:119 Resp: 17825

Ion Ratio Lower Upper

119 100

134 27.3 12.9 38.6

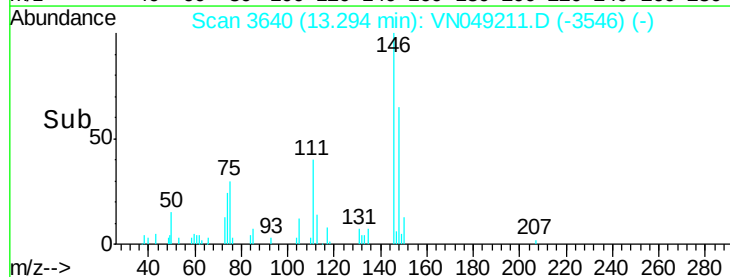
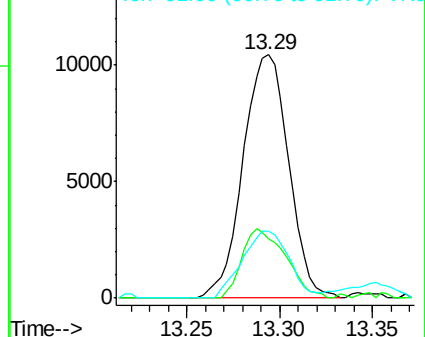
91 28.2 12.1 36.3

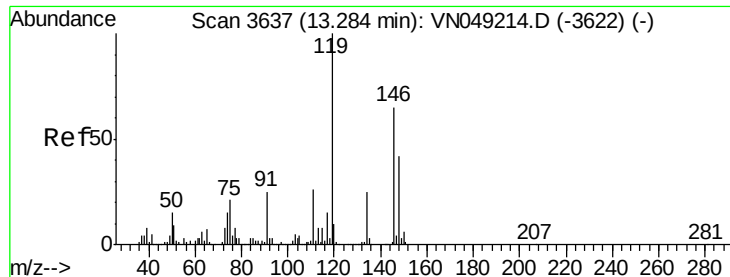


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 1.05 ug/l

RT: 13.29 min Scan# 3638

Delta R.T. 0.00 min

Lab File: VN049211.D

Acq: 13 Jun 2018 20:10

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

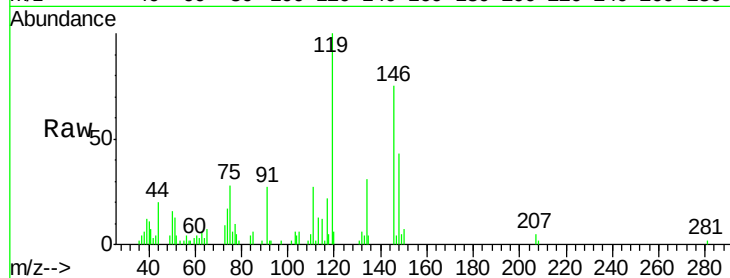
Tgt Ion:146 Resp: 12055

Ion Ratio Lower Upper

146 100

111 42.3 19.9 59.6

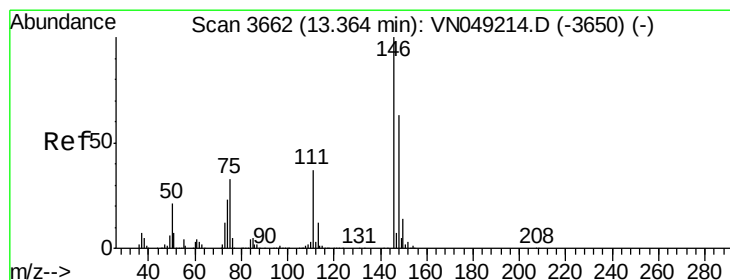
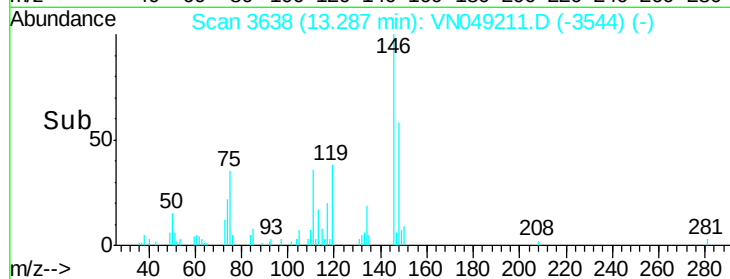
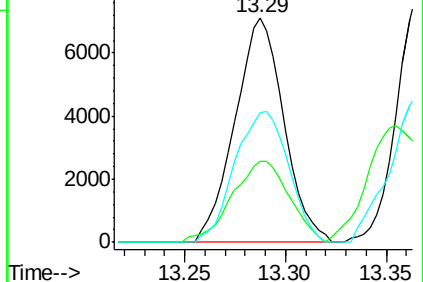
148 64.1 32.1 96.5



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



#88

1,4-Dichlorobenzene

Concen: 1.09 ug/l

RT: 13.29 min Scan# 3638

Delta R.T. -0.08 min

Lab File: VN049211.D

Acq: 13 Jun 2018 20:10

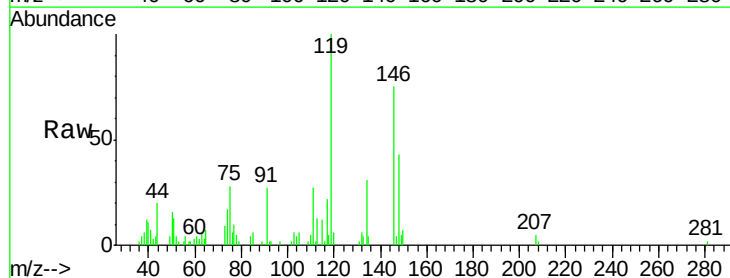
Tgt Ion:146 Resp: 12055

Ion Ratio Lower Upper

146 100

111 42.3 19.1 57.1

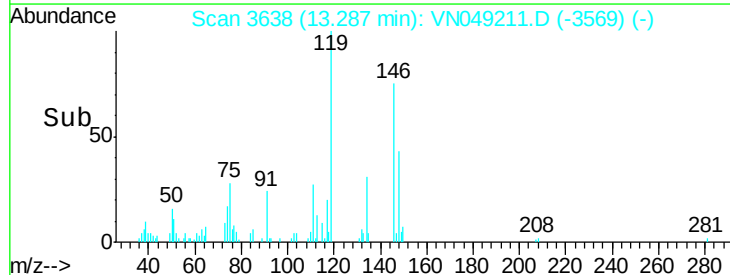
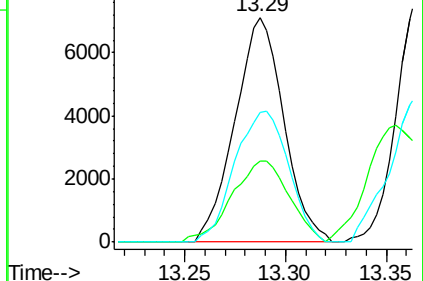
148 64.1 32.0 96.2

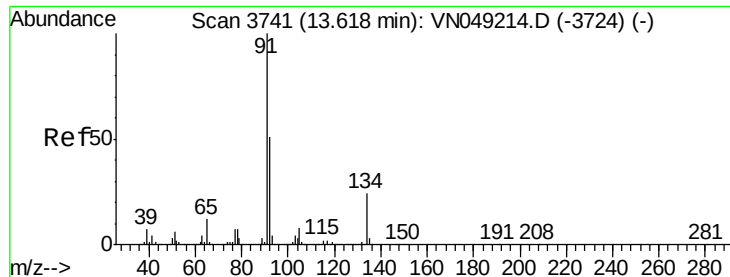


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 0.58 ug/l

RT: 13.62 min Scan# 3741

Delta R.T. 0.00 min

Lab File: VN049211.D

Acq: 13 Jun 2018 20:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

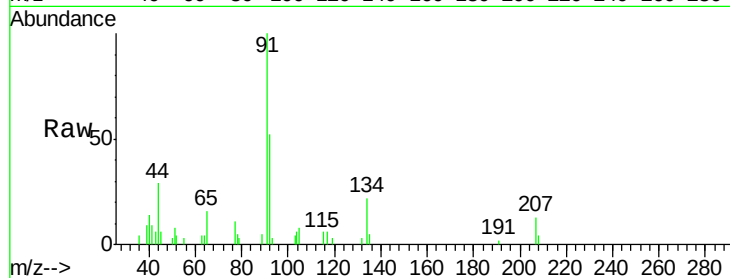
Tgt Ion: 91 Resp: 10036

Ion Ratio Lower Upper

91 100

92 45.5 25.1 75.4

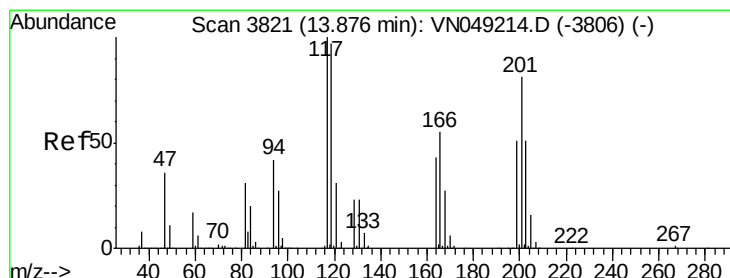
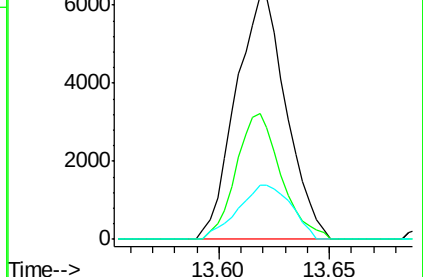
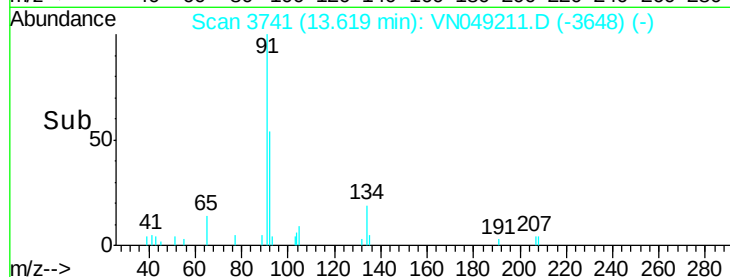
134 23.2 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN049211.D (-3648) (-)

Ion 92.00 (91.70 to 92.70): VN049211.D (-3648) (-)

Ion 134.00 (133.70 to 134.70): VN049211.D (-3648) (-)



#90

Hexachloroethane

Concen: 1.46 ug/l

RT: 13.88 min Scan# 3822

Delta R.T. 0.00 min

Lab File: VN049211.D

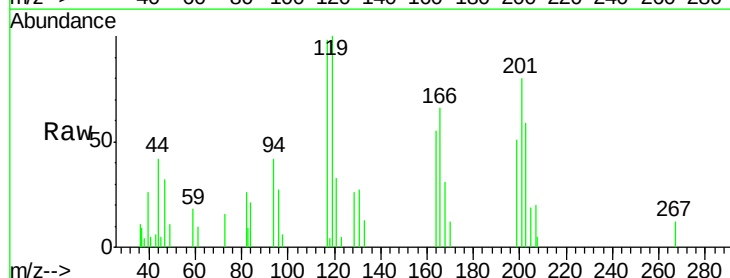
Acq: 13 Jun 2018 20:10

Tgt Ion: 117 Resp: 6754

Ion Ratio Lower Upper

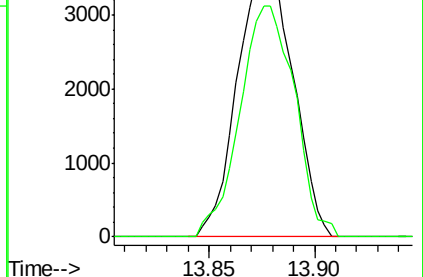
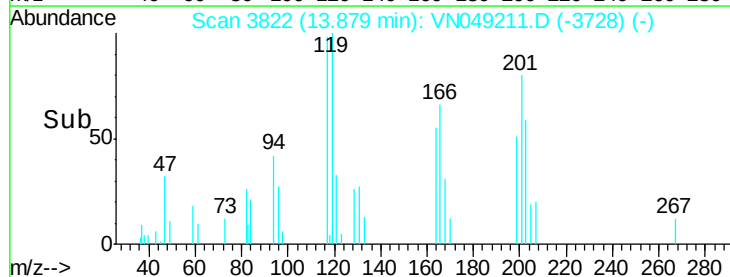
117 100

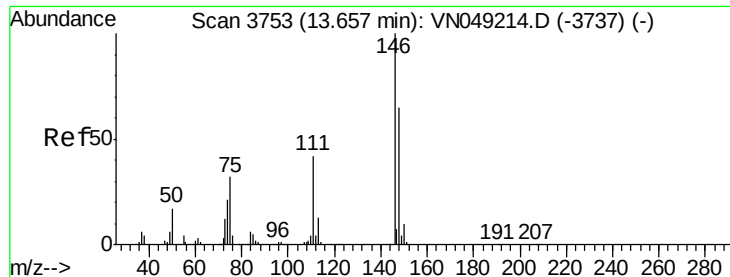
201 83.3 40.1 120.2



Abundance Ion 116.80 (116.50 to 117.50): VN049211.D (-3728) (-)

Ion 200.70 (200.40 to 201.40): VN049211.D (-3728) (-)

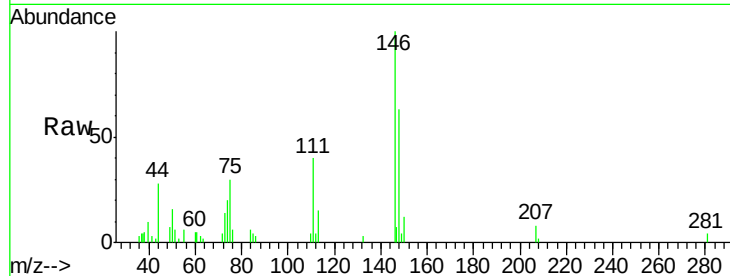




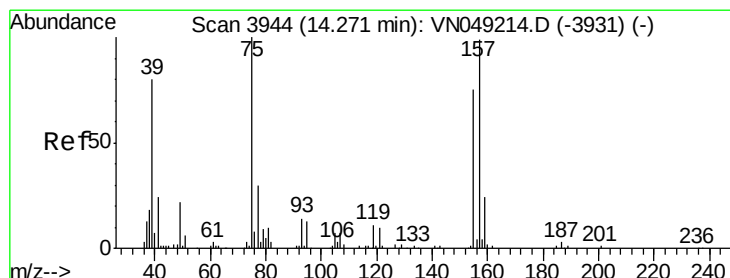
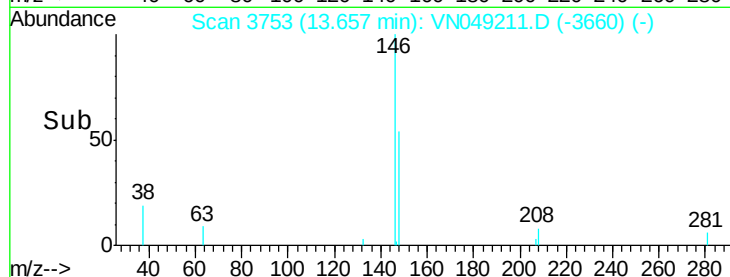
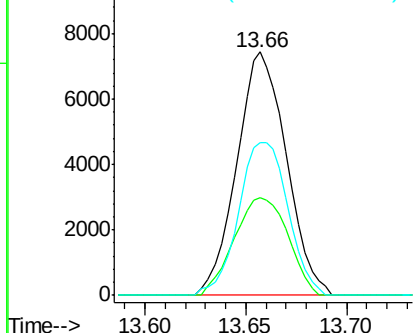
#91
 1,2-Dichlorobenzene
 Concen: 1.16 ug/l
 RT: 13.66 min Scan# 3753
 Delta R.T. 0.00 min
 Lab File: VN049211.D
 Acq: 13 Jun 2018 20:10

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tgt Ion:146 Resp: 12789
 Ion Ratio Lower Upper
 146 100
 111 43.5 20.8 62.2
 148 62.9 32.0 96.2

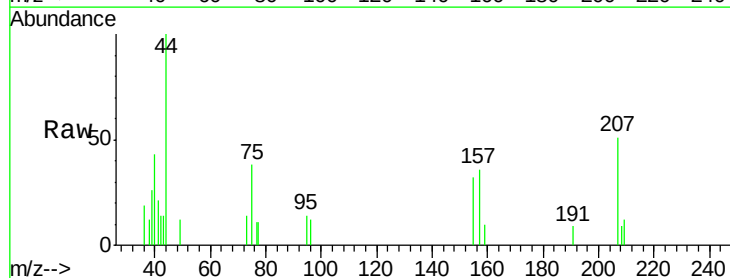


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

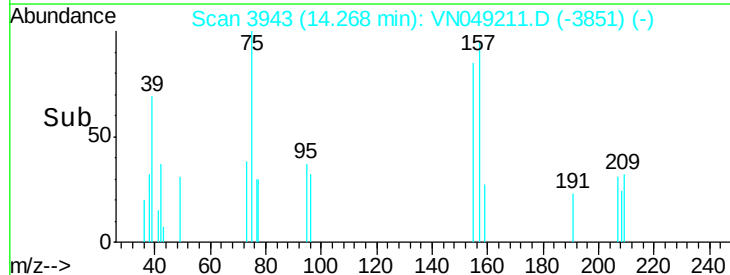
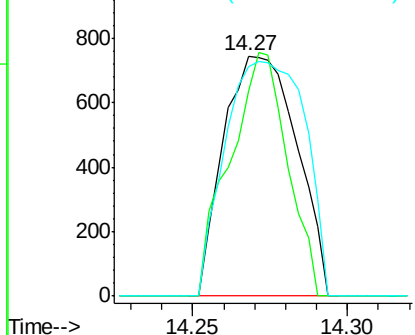


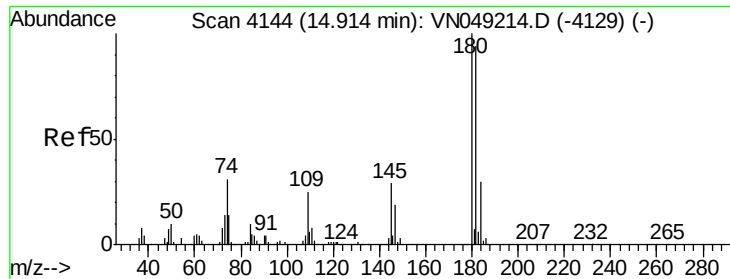
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.23 ug/l
 RT: 14.27 min Scan# 3943
 Delta R.T. -0.00 min
 Lab File: VN049211.D
 Acq: 13 Jun 2018 20:10

Tgt Ion: 75 Resp: 1222
 Ion Ratio Lower Upper
 75 100
 155 80.0 38.8 116.3
 157 107.0 51.0 153.1



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

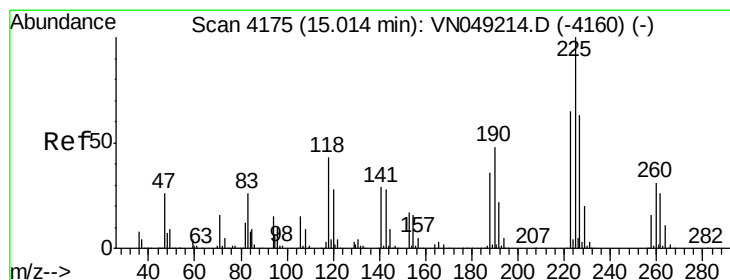
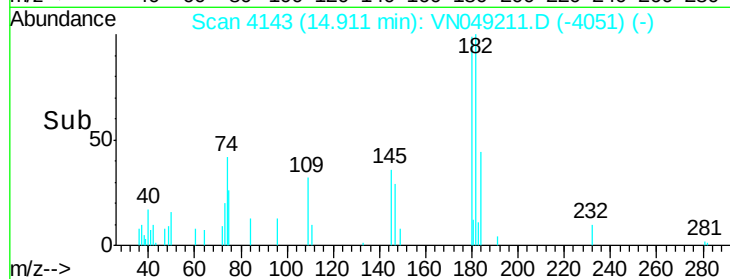
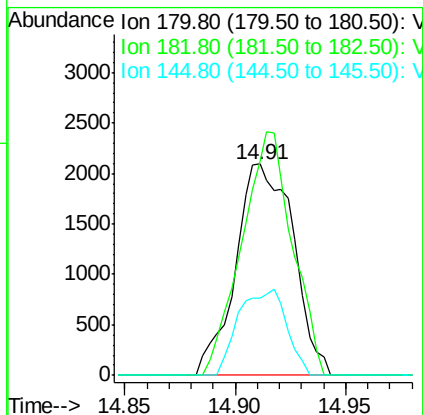
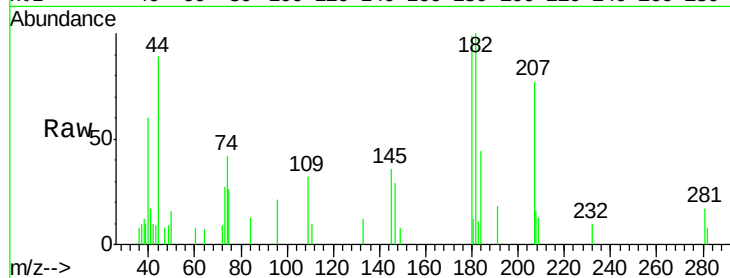




#93
 1,2,4-Trichlorobenzene
 Concen: 0.87 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN049211.D
 Acq: 13 Jun 2018 20:10

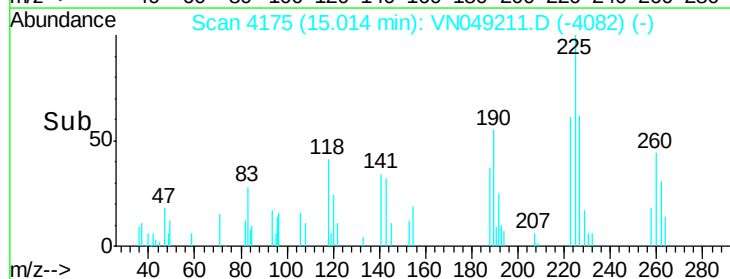
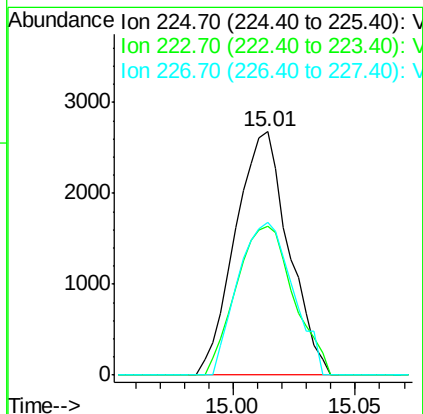
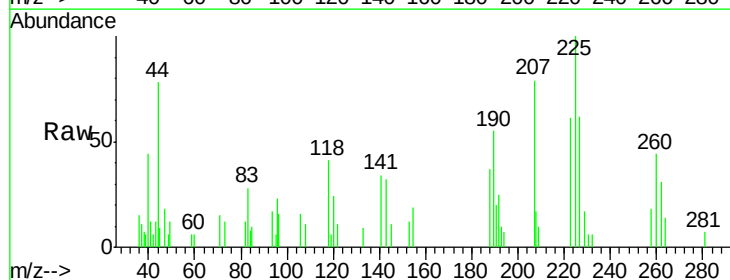
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

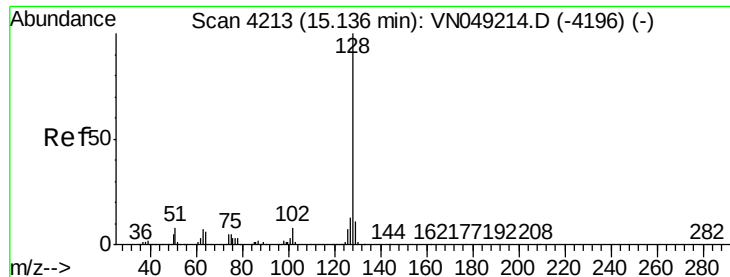
Tgt Ion:180 Resp: 3803
 Ion Ratio Lower Upper
 180 100
 182 100.9 46.9 140.8
 145 33.8 14.7 44.1



#94
 Hexachlorobutadiene
 Concen: 1.23 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN049211.D
 Acq: 13 Jun 2018 20:10

Tgt Ion:225 Resp: 4068
 Ion Ratio Lower Upper
 225 100
 223 65.7 32.1 96.3
 227 64.7 31.8 95.3





#95

Naphthalene

Concen: 0.91 ug/l

RT: 15.14 min Scan# 4214

Delta R.T. 0.00 min

Lab File: VN049211.D

Acq: 13 Jun 2018 20:10

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

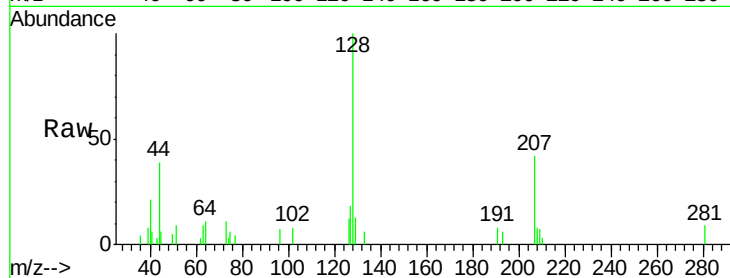
Tgt Ion:128 Resp: 8647

Ion Ratio Lower Upper

128 100

127 14.4 10.6 16.0

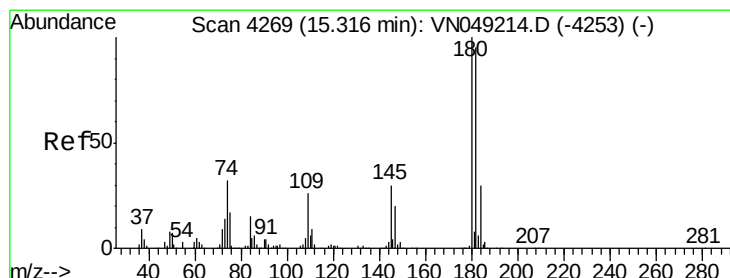
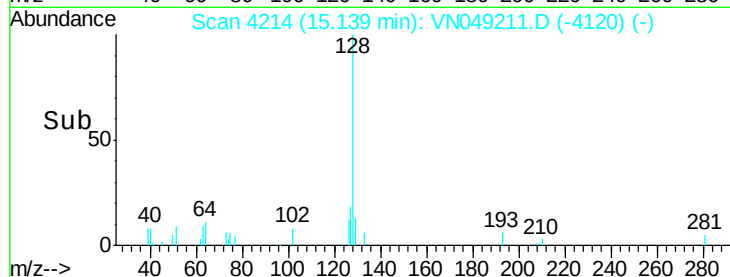
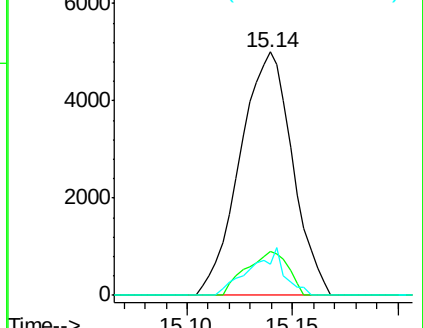
129 12.8 8.5 12.7#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 1.15 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. 0.00 min

Lab File: VN049211.D

Acq: 13 Jun 2018 20:10

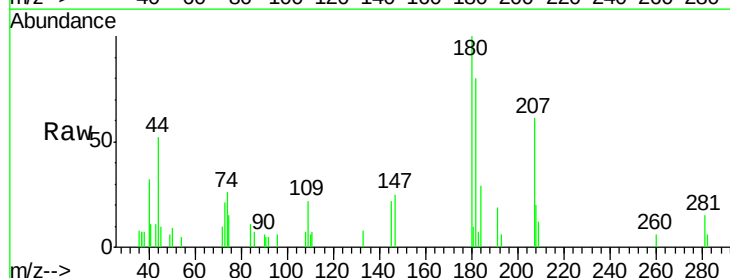
Tgt Ion:180 Resp: 5114

Ion Ratio Lower Upper

180 100

182 90.4 47.3 141.8

145 27.0 15.6 46.7



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

