

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061418\
 Data File : VN049222.D
 Acq On : 14 Jun 2018 12:50
 Operator : MD\SY
 Sample : J3435-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 14 16:59:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061318W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 14 05:15:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	630680	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1125294	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1222789	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	611140	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	384134	37.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.44%	
35) Dibromofluoromethane	7.59	113	350833	37.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.34%	
50) Toluene-d8	10.09	98	1470563	40.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.18%	
62) 4-Bromofluorobenzene	12.40	95	611337	50.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.68%	

Target Compounds

						Qvalue
3) Chloromethane	2.05	50	8256	0.889	ug/l	91
5) Bromomethane	2.57	94	2391	0.227	ug/l	86
6) Chloroethane	2.80	64	4280	0.666	ug/l #	52
11) Tert butyl alcohol	4.79	59	904	1.629	ug/l #	70
13) Acrolein	3.55	56	7507	9.933	ug/l #	1
14) Allyl chloride	4.40	41	265430	17.943	ug/l #	59
15) Acrylonitrile	5.05	53	216229	72.373	ug/l #	41
16) Acetone	3.80	43	700025	287.685	ug/l #	57
17) Carbon Disulfide	4.05	76	40792	1.518	ug/l	97
18) Methyl Acetate	4.39	43	165242	21.544	ug/l #	55
20) Methylene Chloride	4.52	84	13321	1.348	ug/l #	1
23) Vinyl Acetate	5.92	43	32326	1.656	ug/l #	80
24) 1,1-Dichloroethane	5.86	63	6368	0.362	ug/l #	84
25) 2-Butanone	6.84	43	138655	39.795	ug/l #	85
26) 2,2-Dichloropropane	6.63	77	74264	5.628	ug/l #	54
29) Tetrahydrofuran	7.20	42	2214	0.988	ug/l #	36
30) Chloroform	7.32	83	79598	4.708	ug/l #	18
31) Cyclohexane	7.65	56	6267557	416.404	ug/l	96
36) 1,1-Dichloropropene	7.66	75	54536	3.879	ug/l #	1
37) Ethyl Acetate	6.84	43	138655	15.622	ug/l #	70
38) Carbon Tetrachloride	7.67	117	60921	4.301	ug/l #	16
39) Methylcyclohexane	9.08	83	2638769	181.691	ug/l	98
41) Methacrylonitrile	7.21	41	24446	4.869	ug/l #	100
42) 1,2-Dichloroethane	8.16	62	7077	0.503	ug/l #	1
43) Isopropyl Acetate	8.15	43	236445	14.489	ug/l #	64
45) 1,2-Dichloropropane	9.08	63	33045	2.821	ug/l #	1
47) Bromodichloromethane	9.39	83	35408	2.429	ug/l #	26
48) Methyl methacrylate	9.14	41	84640	10.615	ug/l #	37
49) 1,4-Dioxane	9.20	88	188	1.997	ug/l #	1
51) 4-Methyl-2-Pentanone	10.08	43	35937	4.135	ug/l	89
52) Toluene	10.16	92	79842	3.222	ug/l	88
55) 1,1,2-Trichloroethane	10.53	97	174913	19.231	ug/l #	18
56) Ethyl methacrylate	10.43	69	19356	1.765	ug/l #	22
58) 2-Chloroethyl Vinyl ether	9.62	63	20192	17.777	ug/l #	51

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061418\
 Data File : VN049222.D
 Acq On : 14 Jun 2018 12:50
 Operator : MD\SY
 Sample : J3435-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

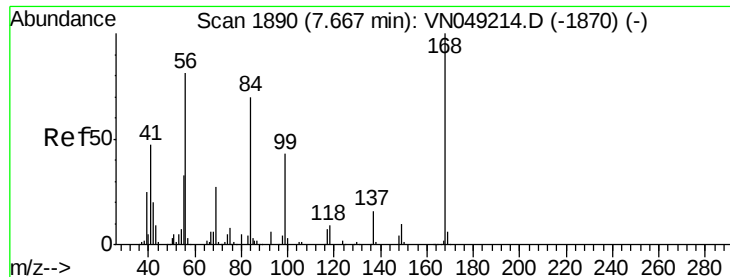
Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 14 16:59:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061318W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 14 05:15:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

59) 2-Hexanone	10.76	43	16753	3.094	uq/l	93
68) m/p-Xylenes	11.62	106	16926380	850.556	uq/l #	1
69) o-Xylene	11.95	106	4467662	233.115	uq/l	99
70) Styrene	11.95	104	245131	8.079	uq/l #	1
71) Bromoform	12.40	173	5416	0.722	uq/l #	1
73) Isopropylbenzene	12.25	105	2807375	47.826	uq/l	99
74) N-amyl acetate	12.08	43	4455	0.266	uq/l #	1
75) 1,1,2,2-Tetrachloroethane	12.53	83	2573	Below Cal	#	62
76) 1,2,3-Trichloropropane	12.59	75	51456	2.935	uq/l #	100
77) Bromobenzene	12.53	156	572	Below Cal	#	1
78) n-propylbenzene	12.59	91	8666275	132.900	uq/l	99
79) 2-Chlorotoluene	12.66	91	1960414	47.670	uq/l #	43
80) 1,3,5-Trimethylbenzene	12.73	105	8430475	187.312	uq/l	100
81) trans-1,4-Dichloro-2-buten	12.25	75	33079	9.043	uq/l #	70
82) 4-Chlorotoluene	12.73	91	874885	22.428	uq/l #	42
83) tert-Butylbenzene	13.04	119	4789854	123.542	uq/l #	68
84) 1,2,4-Trimethylbenzene	12.89	105	11938553	266.870	uq/l	78
85) sec-Butylbenzene	13.17	105	331701	6.417	uq/l #	62
86) p-Isopropyltoluene	13.29	119	175934	4.203	uq/l #	76
88) 1,4-Dichlorobenzene	13.37	146	4545	0.201	uq/l #	1
89) n-Butylbenzene	13.62	91	365596	11.223	uq/l #	58
90) Hexachloroethane	13.89	117	305963	35.669	uq/l #	9
91) 1,2-Dichlorobenzene	13.65	146	11506	0.509	uq/l #	58
92) 1,2-Dibromo-3-Chloropropan	14.25	75	20494	10.037	uq/l #	4
93) 1,2,4-Trichlorobenzene	14.91	180	4736	4.828	uq/l #	81
94) Hexachlorobutadiene	15.01	225	1986	0.291	uq/l	95
95) Naphthalene	15.14	128	6937113	296.888	uq/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	3533	0.396	uq/l #	83

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049222.D

Acq: 14 Jun 2018 12:50

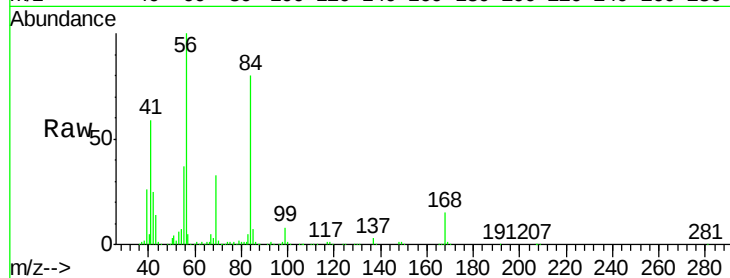
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 630680

Ion Ratio Lower Upper

168 100

99 54.8 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

250000

200000

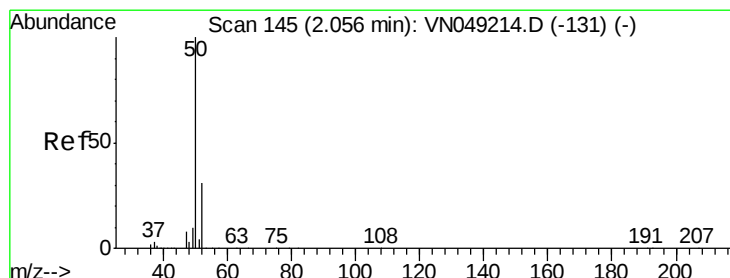
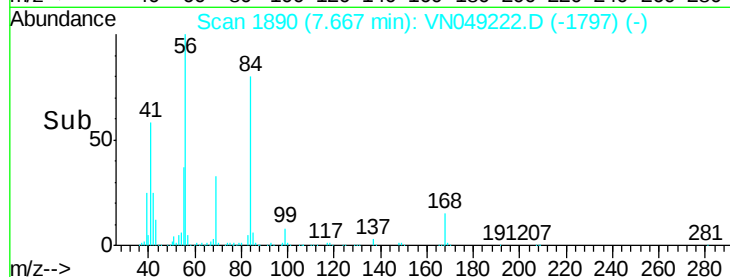
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.889 ug/l

RT: 2.05 min Scan# 144

Delta R.T. -0.00 min

Lab File: VN049222.D

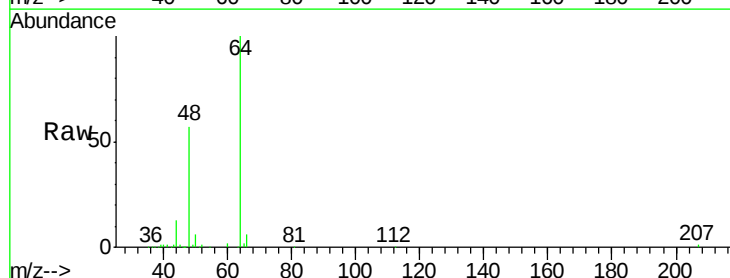
Acq: 14 Jun 2018 12:50

Tgt Ion: 50 Resp: 8256

Ion Ratio Lower Upper

50 100

52 26.5 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.05

4000

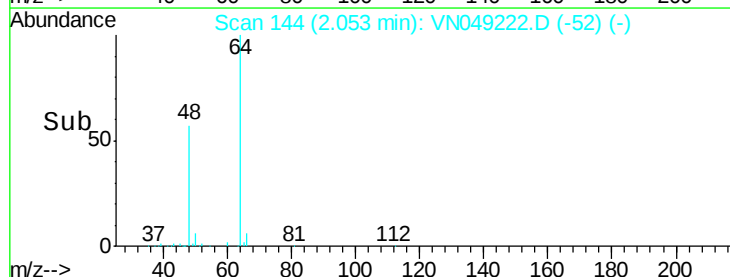
3000

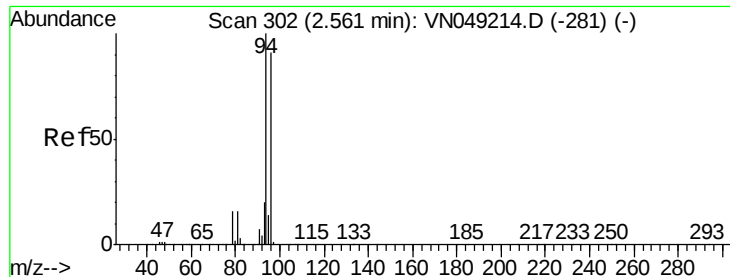
2000

1000

0

Time-->





#5

Bromomethane

Concen: 0.227 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.01 min

Lab File: VN049222.D

Acq: 14 Jun 2018 12:50

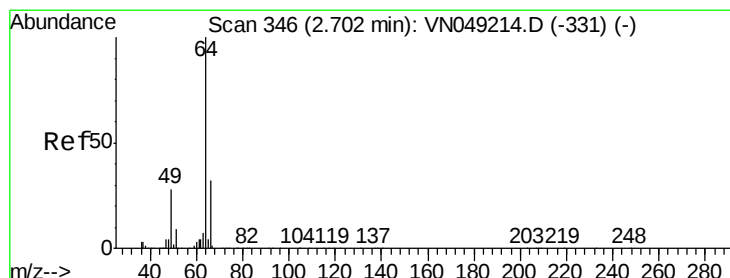
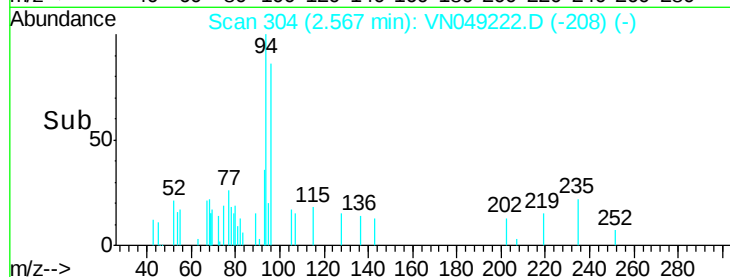
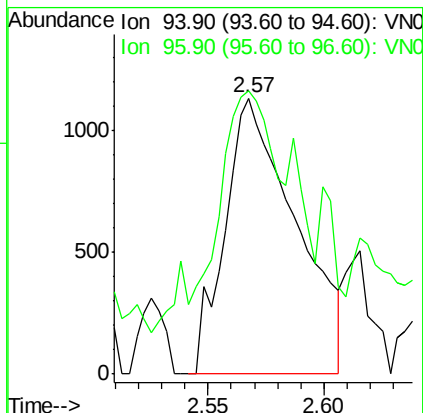
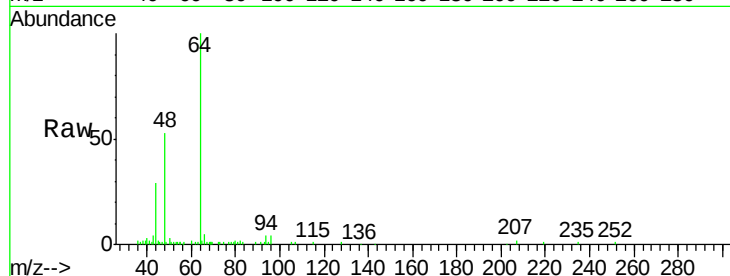
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 94 Resp: 2391

Ion Ratio Lower Upper

94 100

96 77.3 72.8 109.2



#6

Chloroethane

Concen: 0.666 ug/l

RT: 2.80 min Scan# 377

Delta R.T. 0.10 min

Lab File: VN049222.D

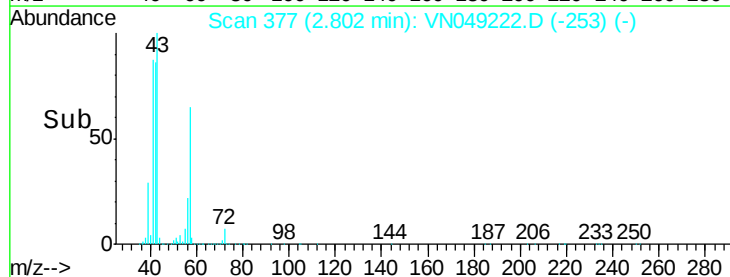
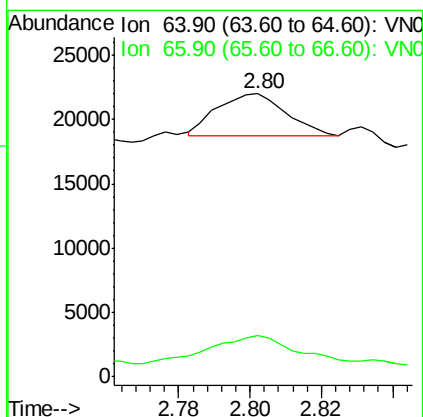
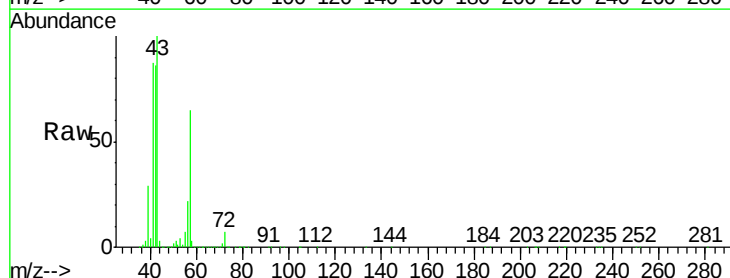
Acq: 14 Jun 2018 12:50

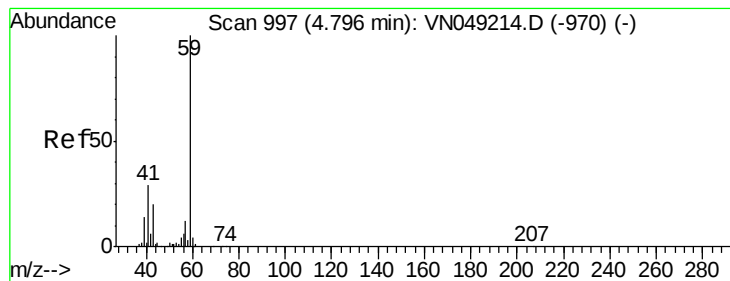
Tgt Ion: 64 Resp: 4280

Ion Ratio Lower Upper

64 100

66 58.6 25.6 38.4#



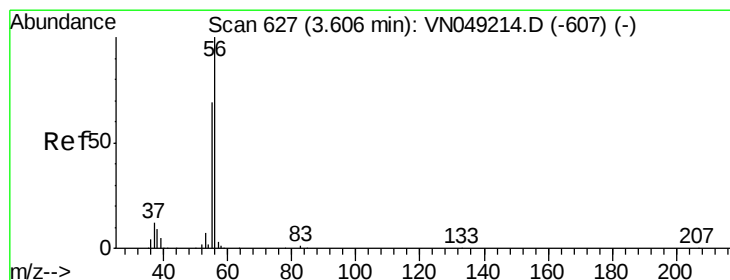
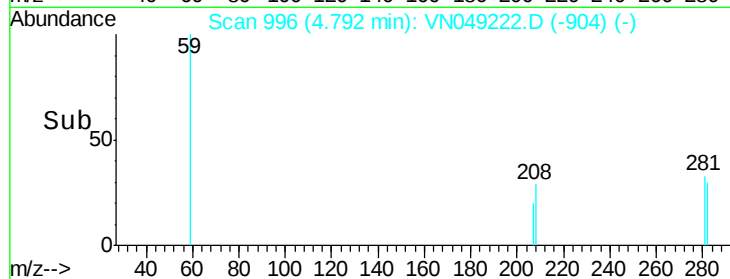
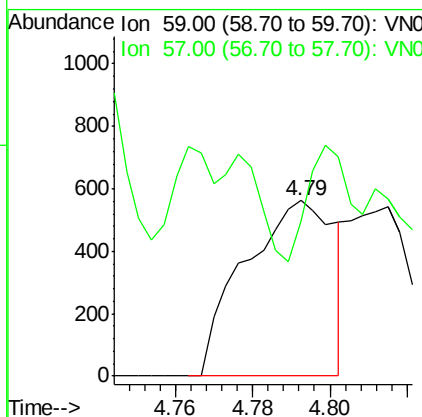
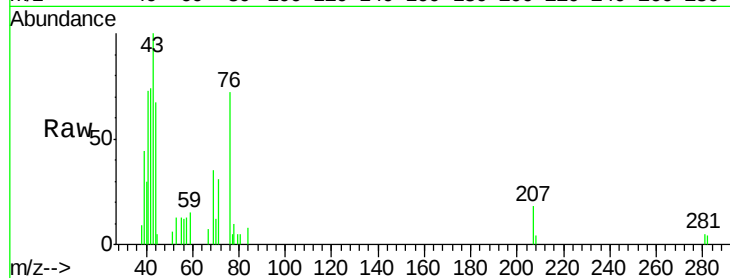


#11

Tert butyl alcohol
 Concen: 1.629 ug/l
 RT: 4.79 min Scan# 996
 Delta R.T. -0.00 min
 Lab File: VN049222.D
 Acq: 14 Jun 2018 12:50

Instrument :
 MSVOA_N
 ClientSampled :

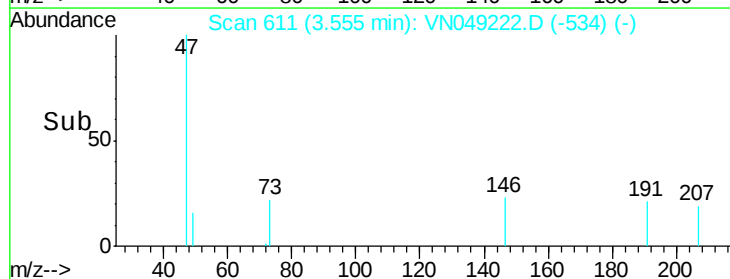
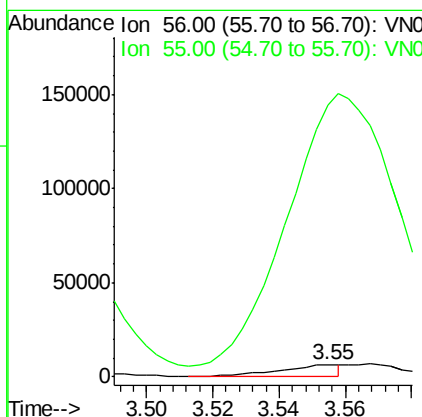
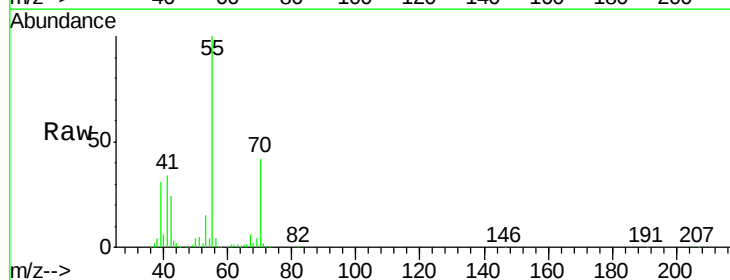
Tot Ion: 59 Resp: 904
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.0 13.6#

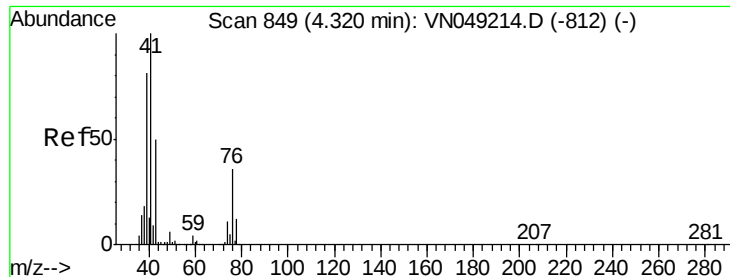


#13

Acrolein
 Concen: 9.933 ug/l
 RT: 3.55 min Scan# 611
 Delta R.T. -0.05 min
 Lab File: VN049222.D
 Acq: 14 Jun 2018 12:50

Tgt Ion: 56 Resp: 7507
 Ion Ratio Lower Upper
 56 100
 55 4844.3 57.1 85.7#

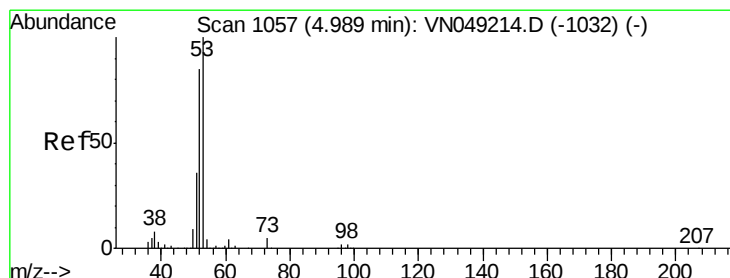
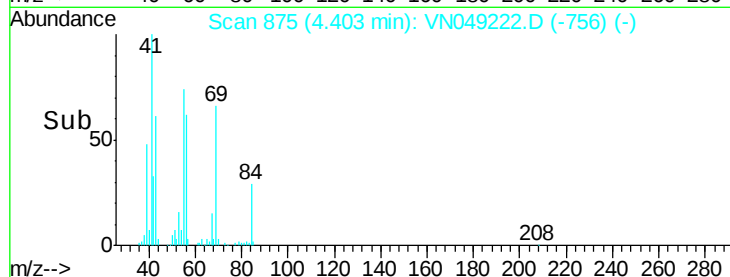
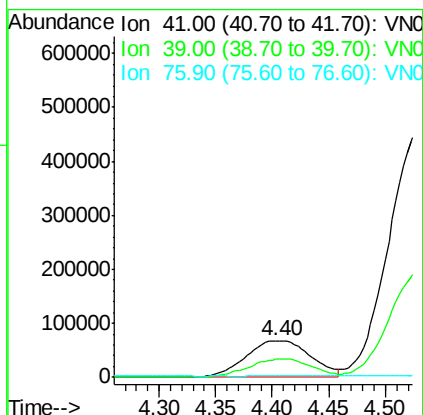
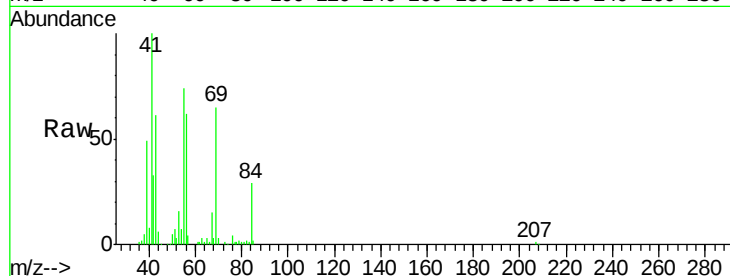




#14
 Allvl chloride
 Concen: 17.943 ug/l
 RT: 4.40 min Scan# 875
 Delta R.T. 0.08 min
 Lab File: VN049222.D
 Acq: 14 Jun 2018 12:50

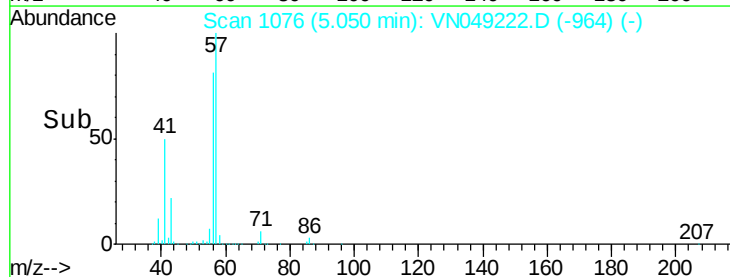
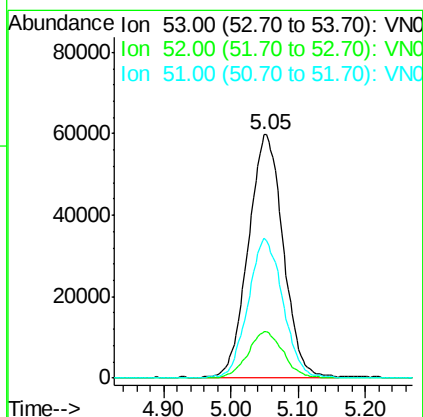
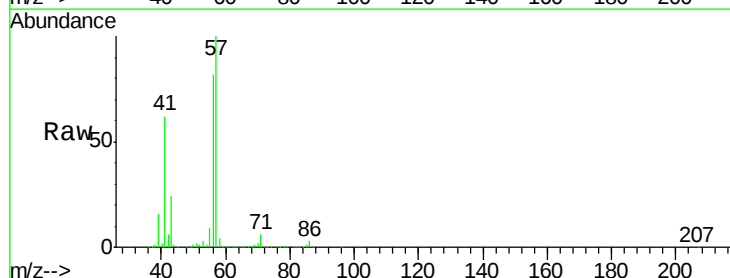
Instrument :
 MSVOA_N
 ClientSampled :

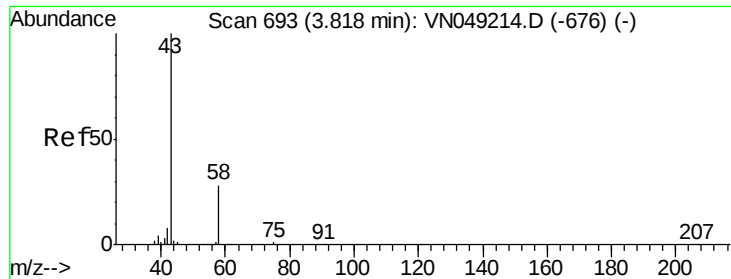
Tot Ion: 41 Resp: 265430
 Ion Ratio Lower Upper
 41 100
 39 49.4 62.5 93.7#
 76 0.0 27.1 40.7#



#15
 Acrylonitrile
 Concen: 72.373 ug/l
 RT: 5.05 min Scan# 1076
 Delta R.T. 0.06 min
 Lab File: VN049222.D
 Acq: 14 Jun 2018 12:50

Tgt Ion: 53 Resp: 216229
 Ion Ratio Lower Upper
 53 100
 52 19.2 66.6 100.0#
 51 57.2 29.8 44.8#





#16

Acetone

Concen: 287.685 ug/l

RT: 3.80 min Scan# 686

Delta R.T. -0.02 min

Lab File: VN049222.D

Acq: 14 Jun 2018 12:50

Instrument :

MSVOA_N

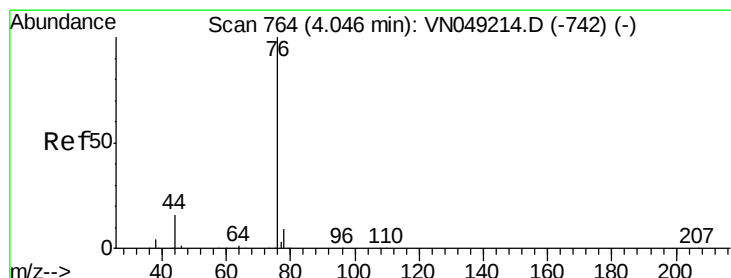
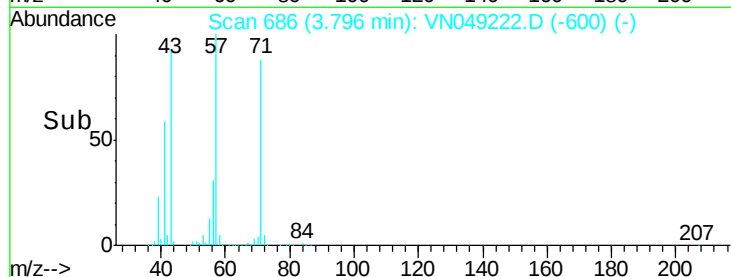
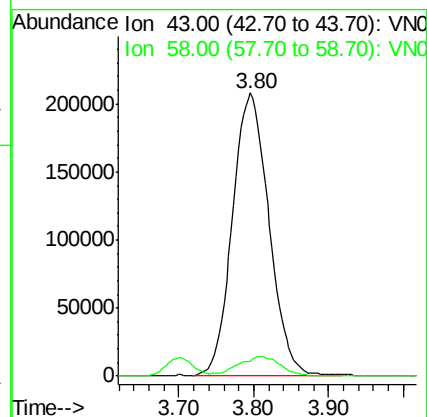
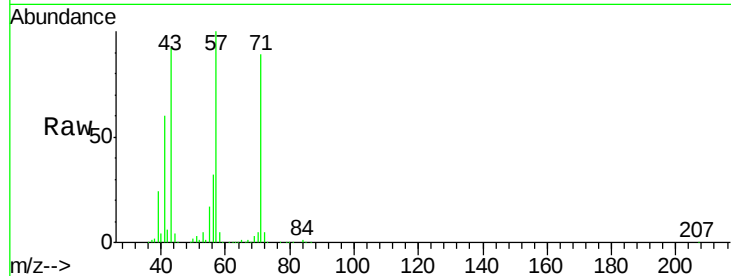
ClientSampleId :

Tot Ion: 43 Resp: 700025

Ion Ratio Lower Upper

43 100

58 5.2 22.4 33.6#



#17

Carbon Disulfide

Concen: 1.518 ug/l

RT: 4.05 min Scan# 766

Delta R.T. 0.01 min

Lab File: VN049222.D

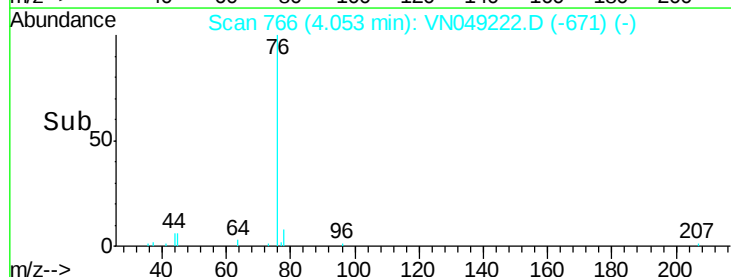
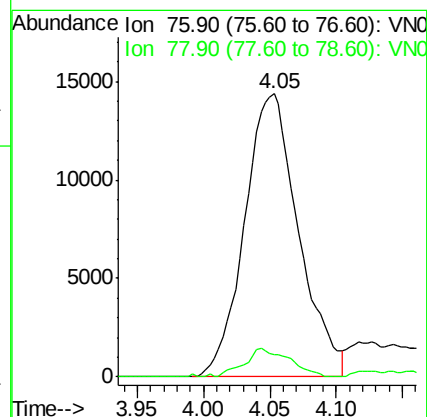
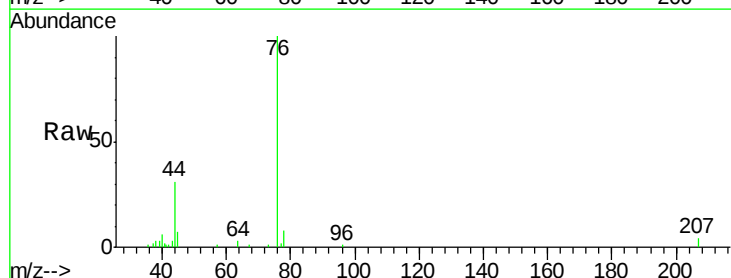
Acq: 14 Jun 2018 12:50

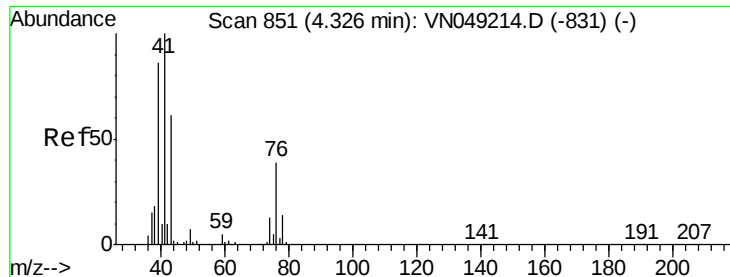
Tgt Ion: 76 Resp: 40792

Ion Ratio Lower Upper

76 100

78 8.0 7.4 11.0

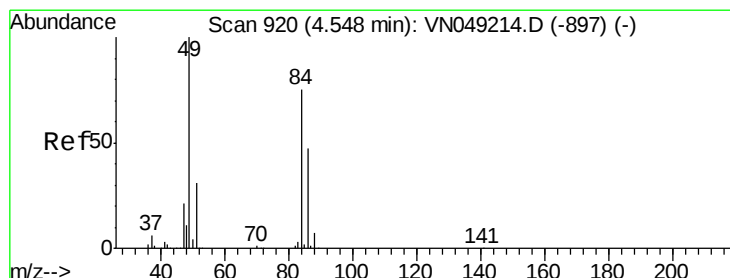
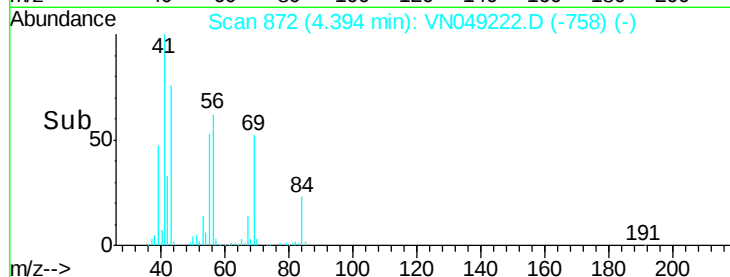
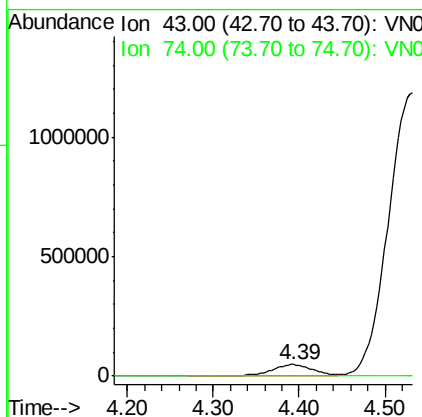
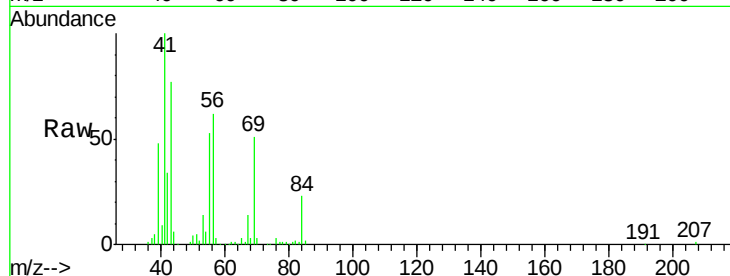




#18
Methyl Acetate
Concen: 21.544 ug/l
RT: 4.39 min Scan# 872
Delta R.T. 0.07 min
Lab File: VN049222.D
Acq: 14 Jun 2018 12:50

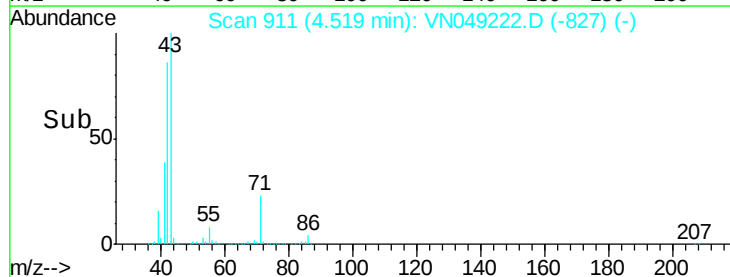
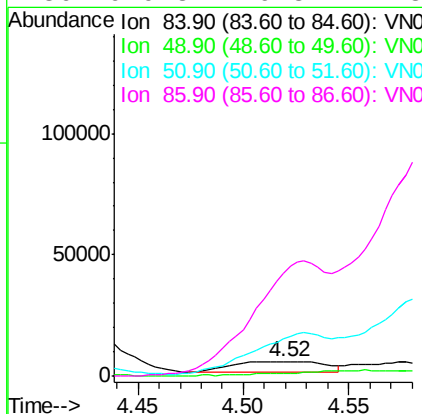
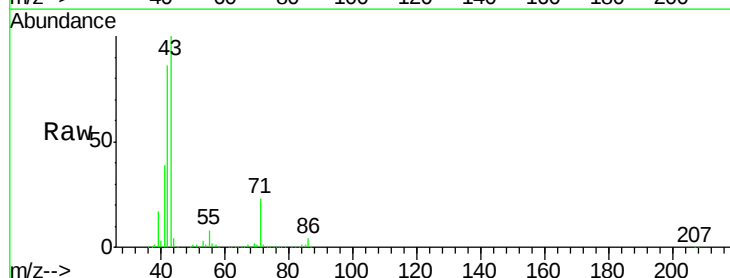
Instrument :
MSVOA_N
ClientSampled :

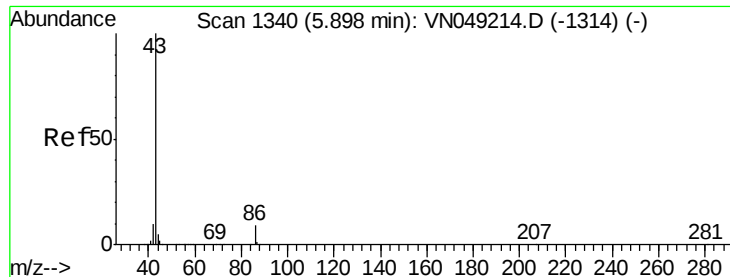
Tot Ion: 43 Resp: 165242
Ion Ratio Lower Upper
43 100
74 0.2 17.4 26.0#



#20
Methylene Chloride
Concen: 1.348 ug/l
RT: 4.52 min Scan# 911
Delta R.T. -0.03 min
Lab File: VN049222.D
Acq: 14 Jun 2018 12:50

Tgt Ion: 84 Resp: 13321
Ion Ratio Lower Upper
84 100
49 23.2 106.9 160.3#
51 317.2 32.7 49.1#
86 919.3 49.8 74.8#





#23

Vinyl Acetate

Concen: 1.656 ug/l

RT: 5.92 min Scan# 1347

Delta R.T. 0.02 min

Lab File: VN049222.D

Acq: 14 Jun 2018 12:50

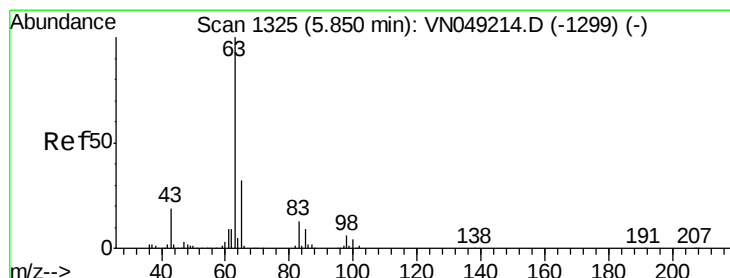
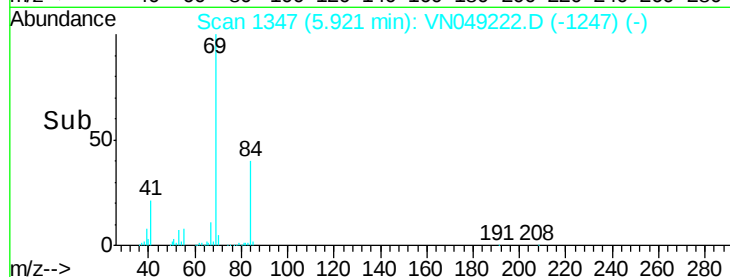
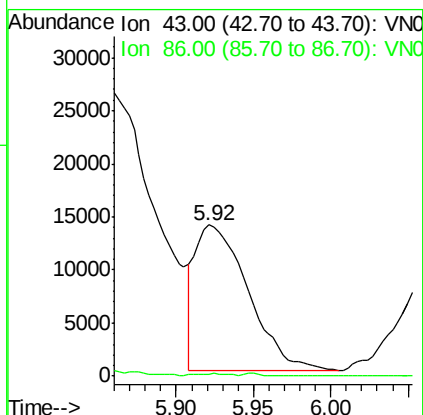
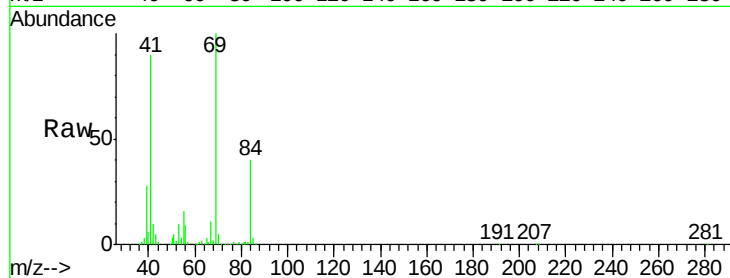
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 32326

Ion Ratio Lower Upper

43 100

86 1.6 7.2 10.8#



#24

1,1-Dichloroethane

Concen: 0.362 ug/l

RT: 5.86 min Scan# 1327

Delta R.T. 0.01 min

Lab File: VN049222.D

Acq: 14 Jun 2018 12:50

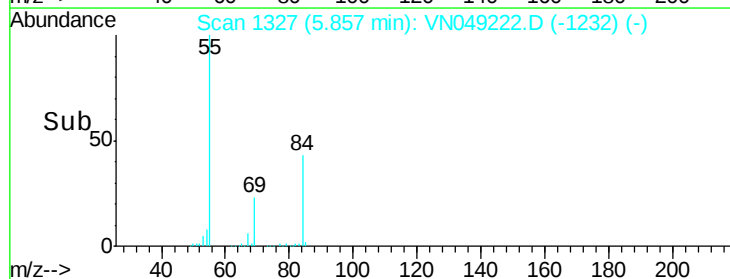
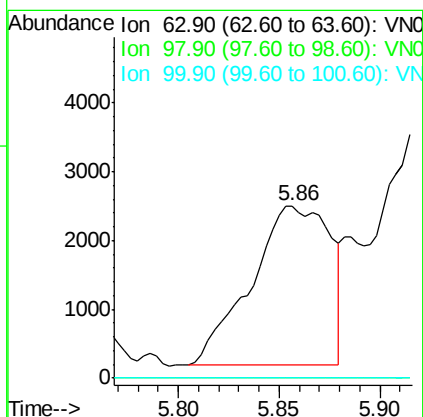
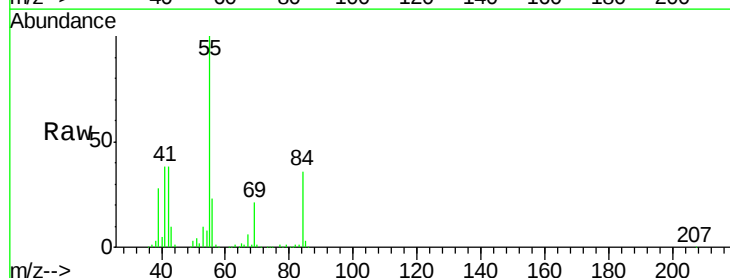
Tgt Ion: 63 Resp: 6368

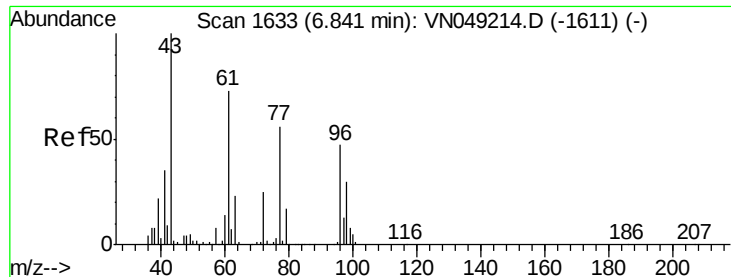
Ion Ratio Lower Upper

63 100

98 0.0 2.9 8.8#

100 0.0 2.1 6.3#





#25

2-Butanone

Concen: 39.795 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. 0.00 min

Lab File: VN049222.D

Acq: 14 Jun 2018 12:50

Instrument :

MSVOA_N

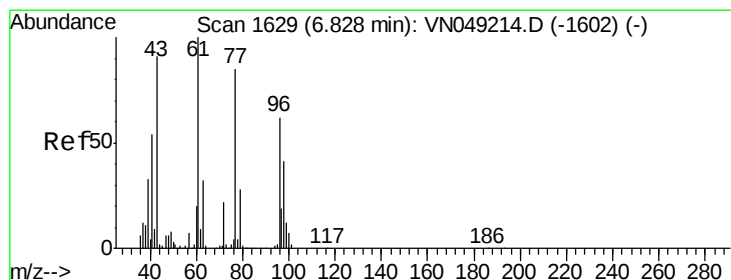
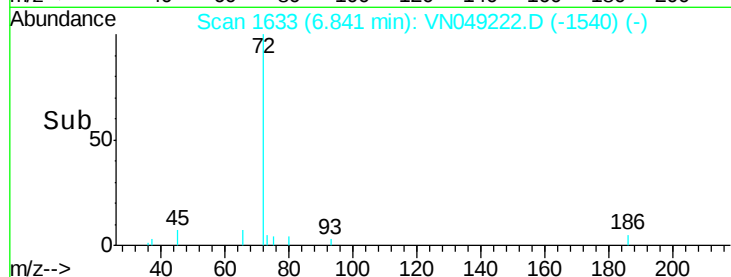
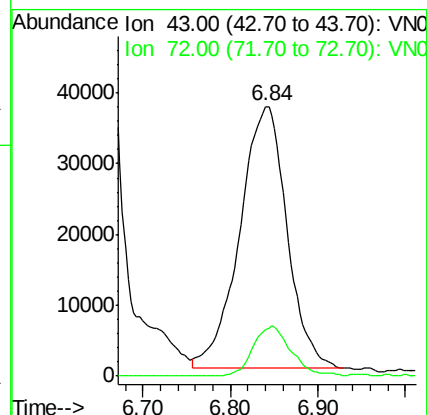
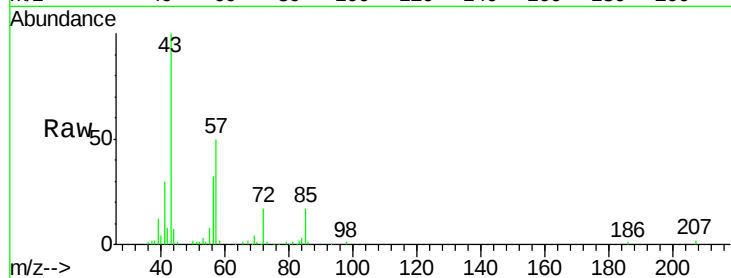
ClientSampleId :

Tot Ion: 43 Resp: 138655

Ion Ratio Lower Upper

43 100

72 17.6 20.2 30.2#



#26

2,2-Dichloropropane

Concen: 5.628 ug/l

RT: 6.63 min Scan# 1566

Delta R.T. -0.20 min

Lab File: VN049222.D

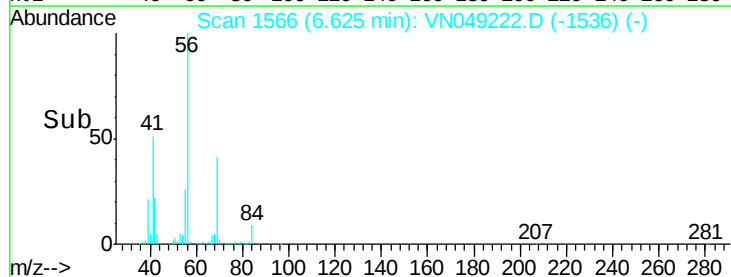
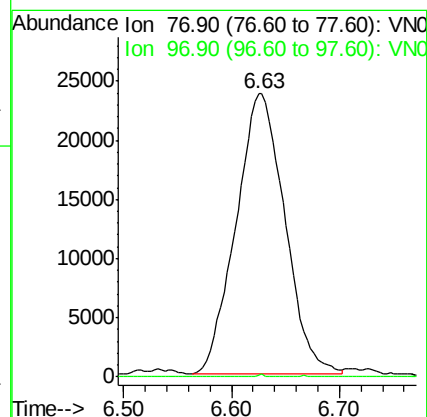
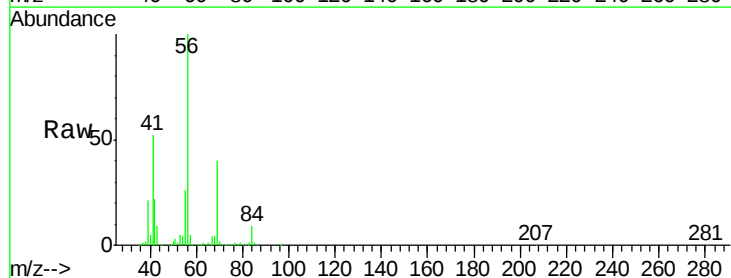
Acq: 14 Jun 2018 12:50

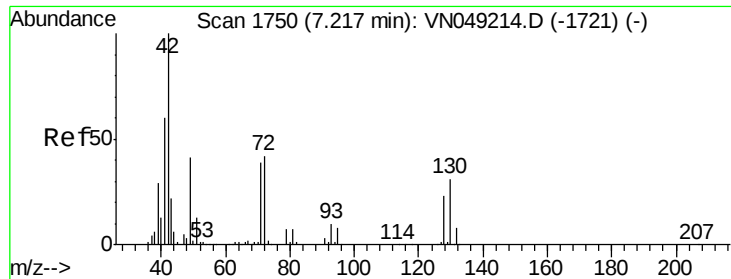
Tgt Ion: 77 Resp: 74264

Ion Ratio Lower Upper

77 100

97 0.1 11.0 33.0#

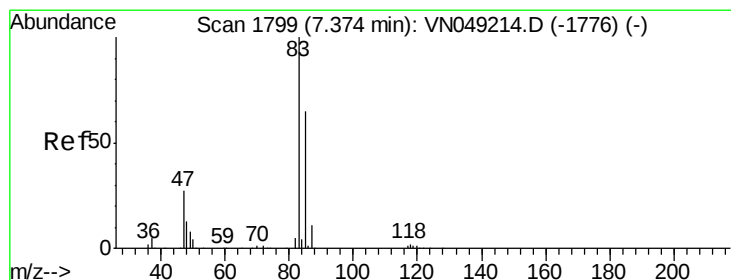
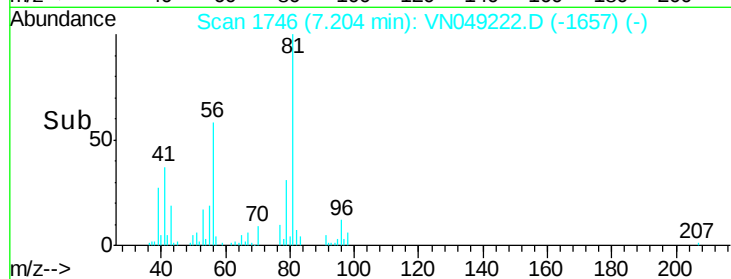
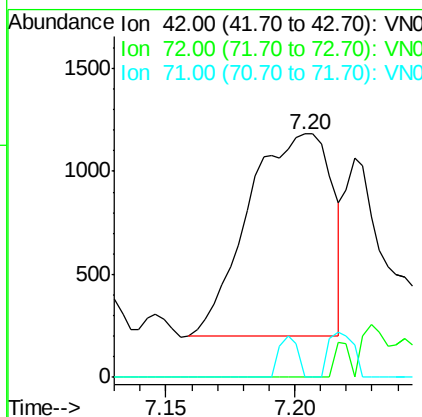
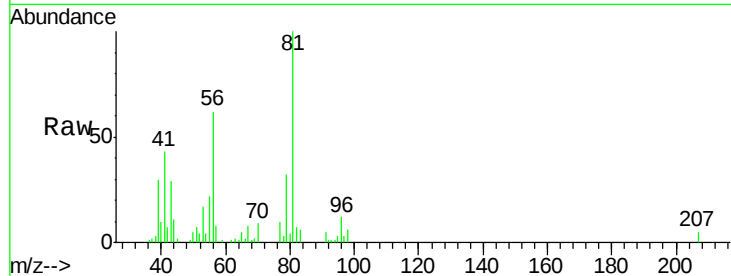




#29
Tetrahydrofuran
Concen: 0.988 ug/l
RT: 7.20 min Scan# 1746
Delta R.T. -0.01 min
Lab File: VN049222.D
Acq: 14 Jun 2018 12:50

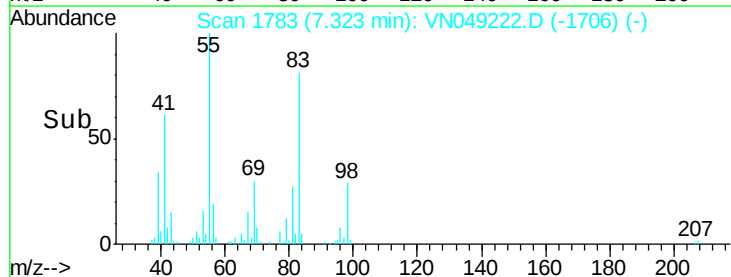
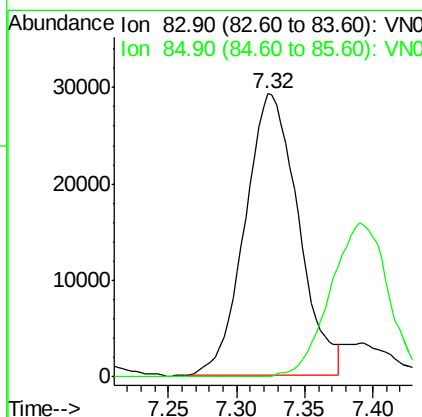
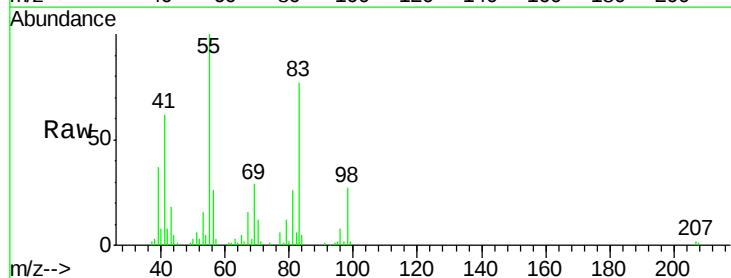
Instrument :
MSVOA_N
ClientSampled :

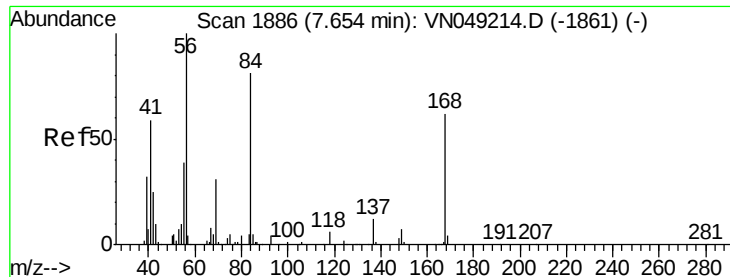
Tot Ion: 42 Resp: 2214
Ion Ratio Lower Upper
42 100
72 0.0 32.2 48.4#
71 0.0 30.5 45.7#



#30
Chloroform
Concen: 4.708 ug/l
RT: 7.32 min Scan# 1783
Delta R.T. -0.05 min
Lab File: VN049222.D
Acq: 14 Jun 2018 12:50

Tgt Ion: 83 Resp: 79598
Ion Ratio Lower Upper
83 100
85 0.0 51.7 77.5#

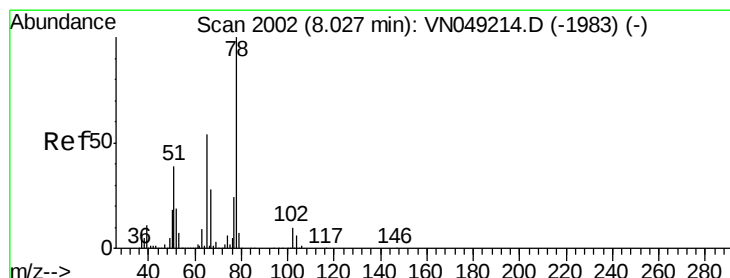
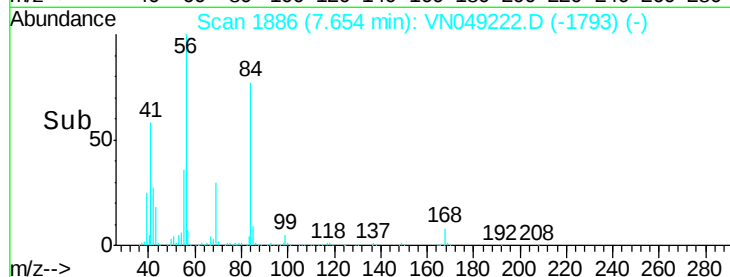
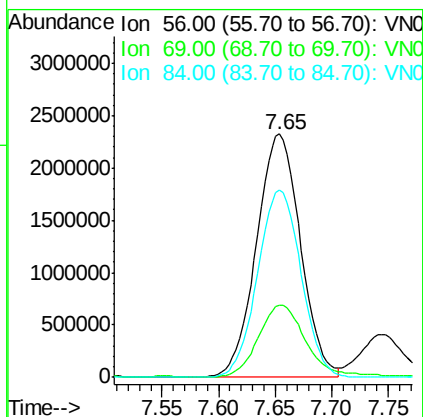
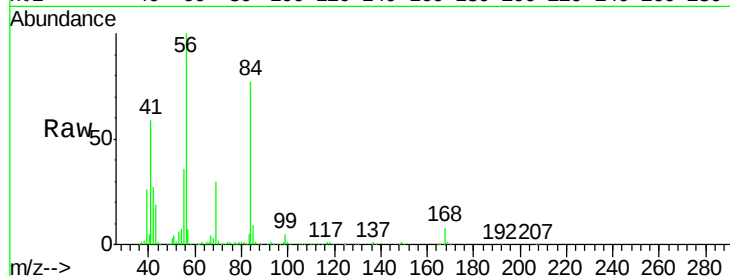




#31
Cvclohexane
Concen: 416.404 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VN049222.D
Acq: 14 Jun 2018 12:50

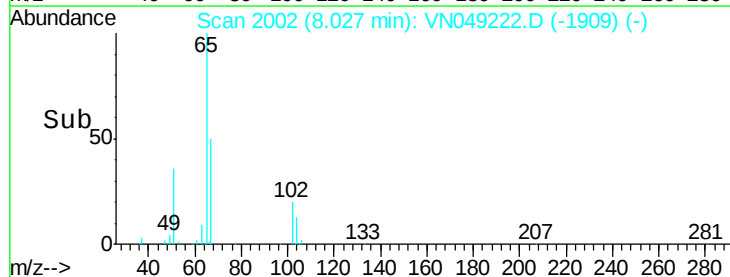
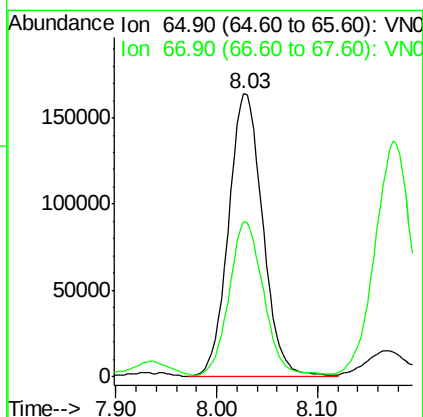
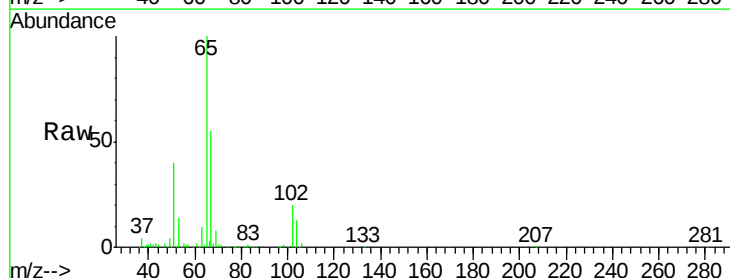
Instrument :
MSVOA_N
ClientSampleId :

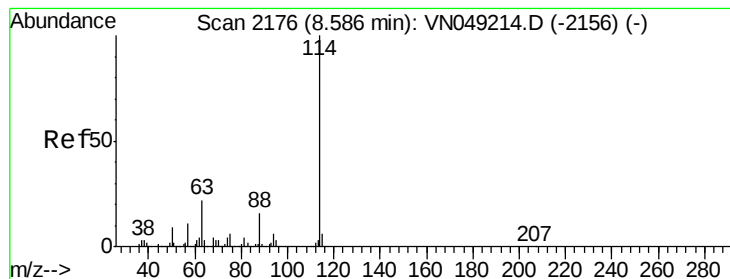
Tot Ion: 56 Resp: 6267557
Ion Ratio Lower Upper
56 100
69 29.3 25.0 37.4
84 77.0 64.6 96.8



#33
1,2-Dichloroethane-d4
Concen: 37.722 ug/l
RT: 8.03 min Scan# 2002
Delta R.T. 0.00 min
Lab File: VN049222.D
Acq: 14 Jun 2018 12:50

Tgt Ion: 65 Resp: 384134
Ion Ratio Lower Upper
65 100
67 53.8 0.0 103.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. 0.00 min

Lab File: VN049222.D

Acq: 14 Jun 2018 12:50

Instrument :

MSVOA_N

ClientSampleId :

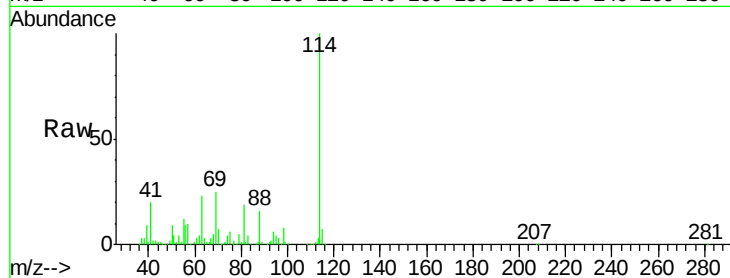
Tot Ion:114 Resp: 1125294

Ion Ratio Lower Upper

114 100

63 22.5 0.0 44.4

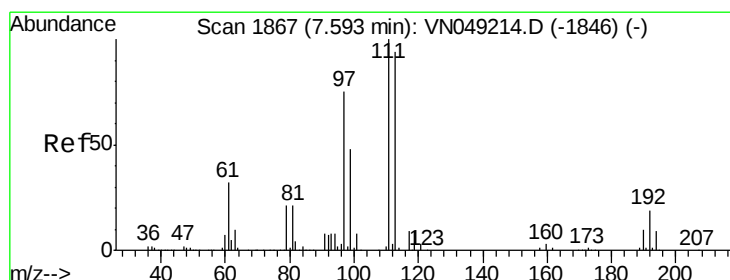
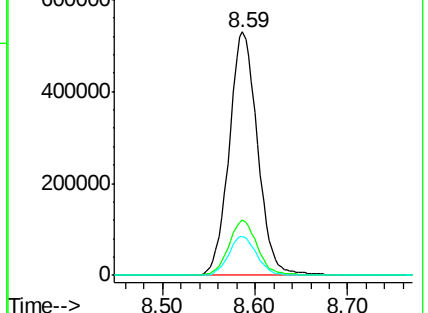
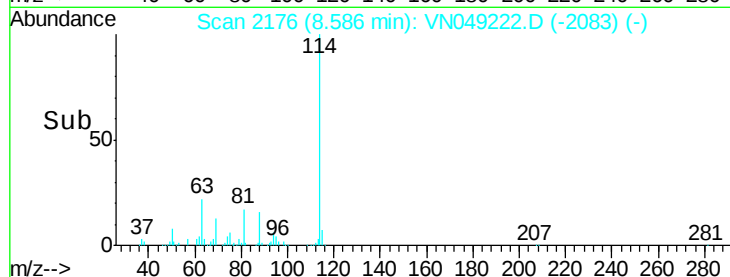
88 16.0 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 37.668 ug/l

RT: 7.59 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN049222.D

Acq: 14 Jun 2018 12:50

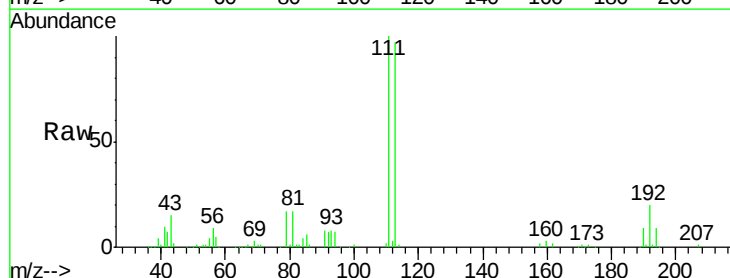
Tgt Ion:113 Resp: 350833

Ion Ratio Lower Upper

113 100

111 102.6 82.4 123.6

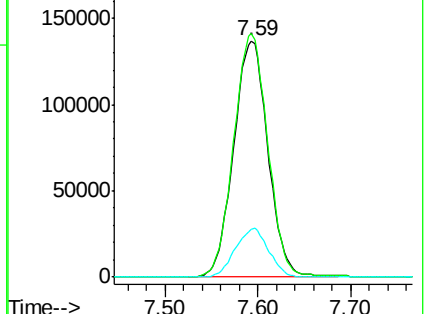
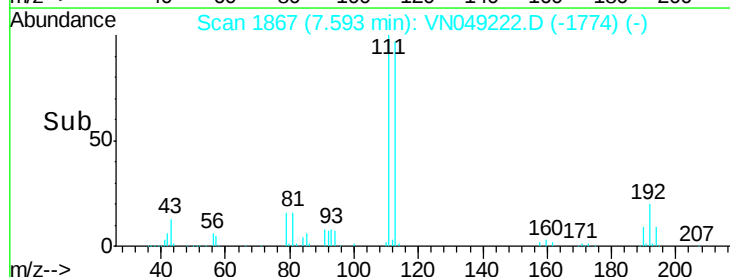
192 20.0 15.0 22.6

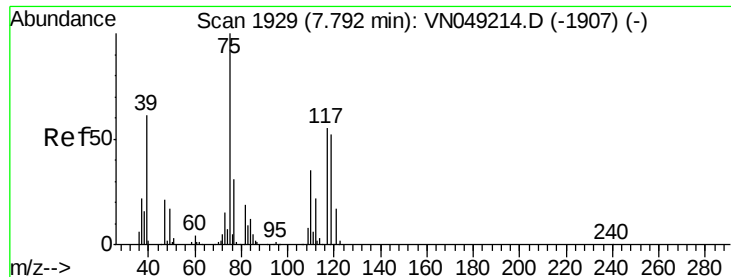


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 3.879 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. -0.13 min

Lab File: VN049222.D

Acq: 14 Jun 2018 12:50

Instrument :

MSVOA_N

ClientSampleId :

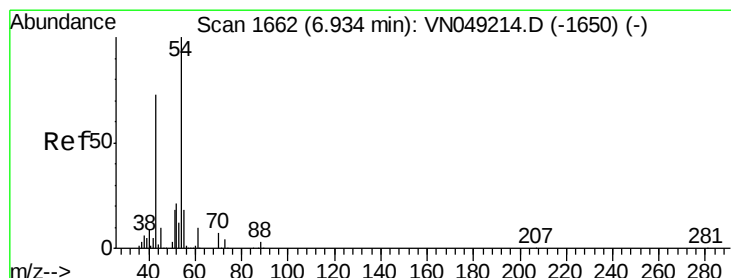
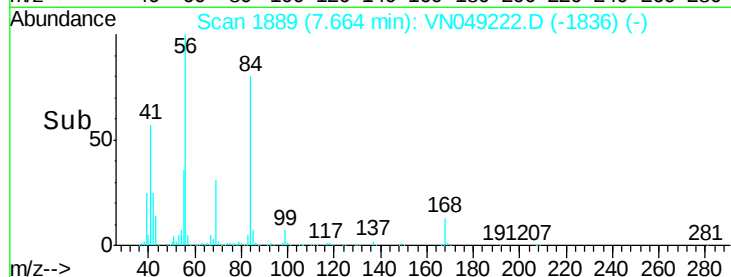
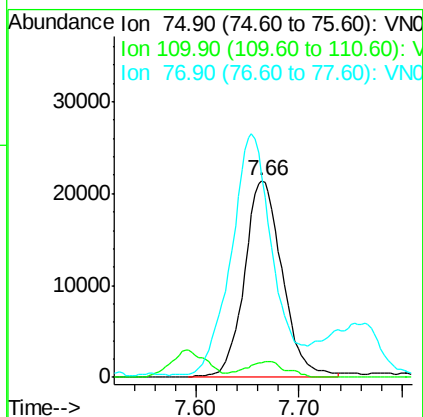
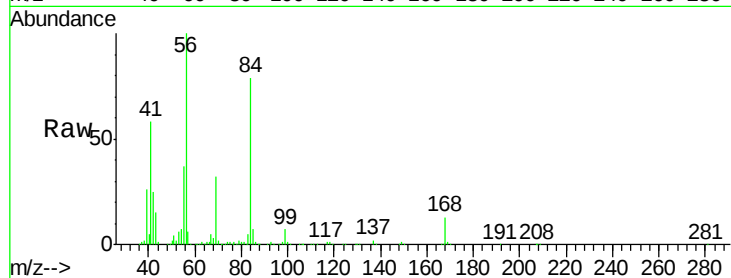
Tot Ion: 75 Resp: 54536

Ion Ratio Lower Upper

75 100

110 4.9 17.0 50.9#

77 134.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 15.622 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. -0.09 min

Lab File: VN049222.D

Acq: 14 Jun 2018 12:50

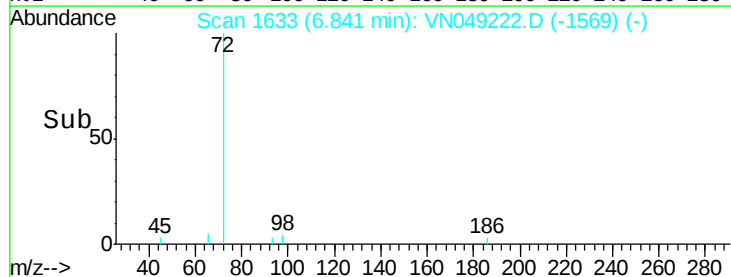
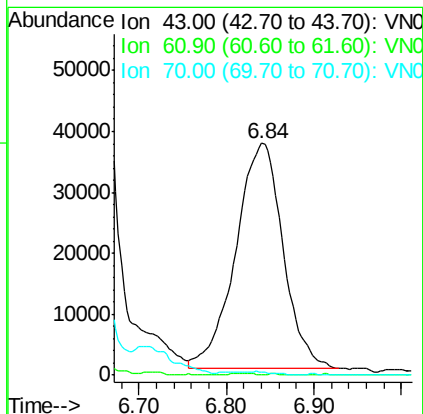
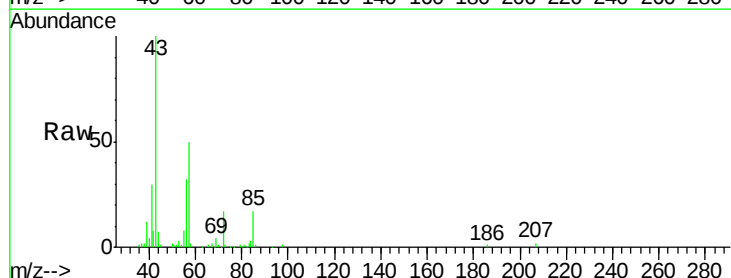
Tgt Ion: 43 Resp: 138655

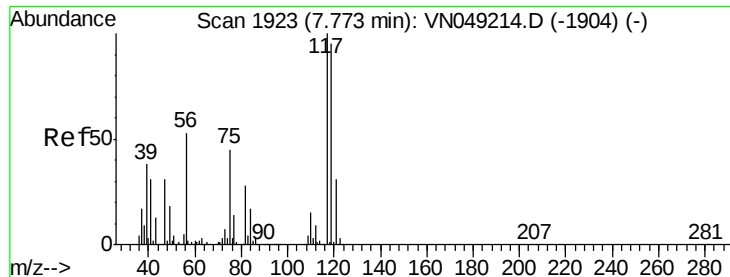
Ion Ratio Lower Upper

43 100

61 0.0 11.0 16.4#

70 0.0 7.2 10.8#

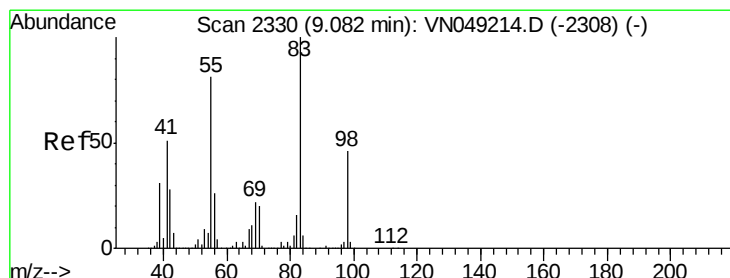
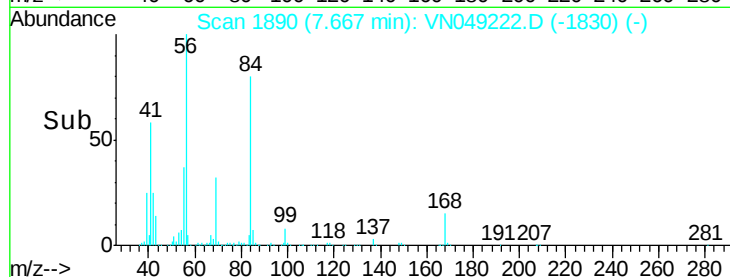
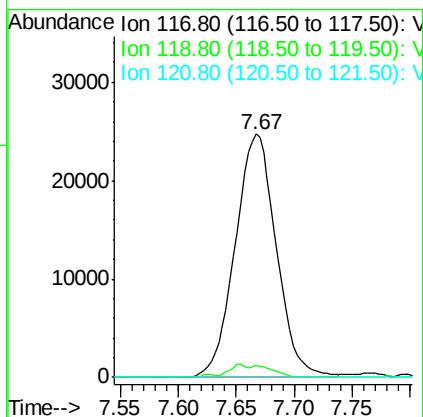
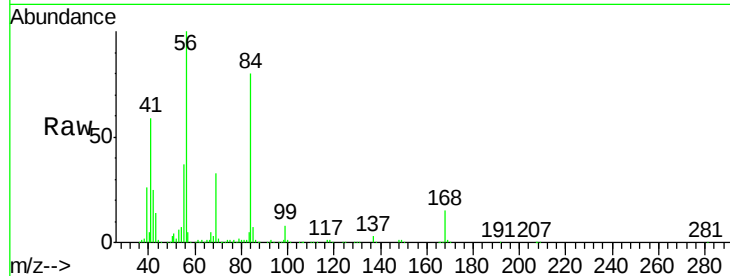




#38
Carbon Tetrachloride
Concen: 4.301 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. -0.11 min
Lab File: VN049222.D
Acq: 14 Jun 2018 12:50

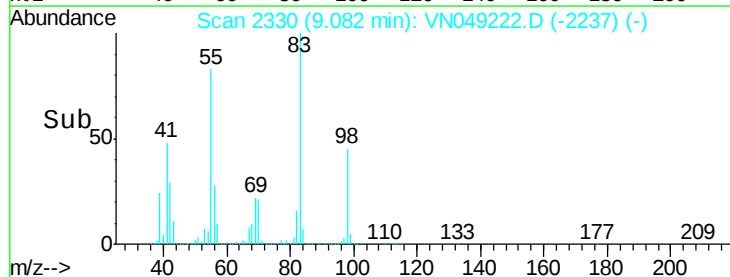
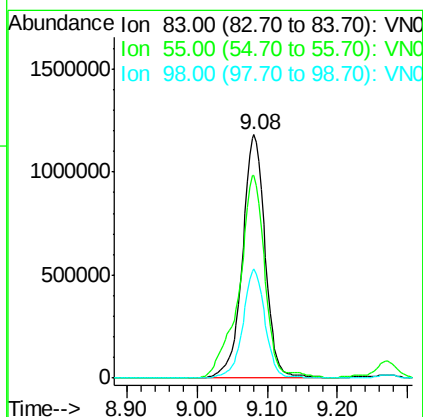
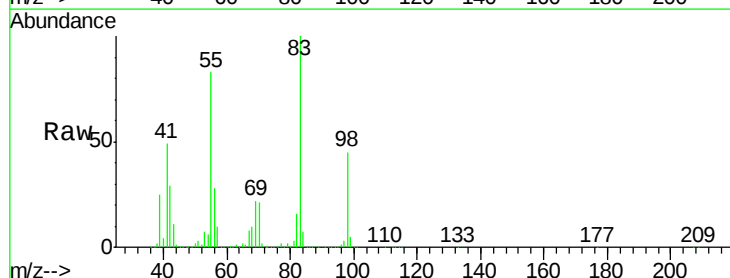
Instrument :
MSVOA_N
ClientSampleId :

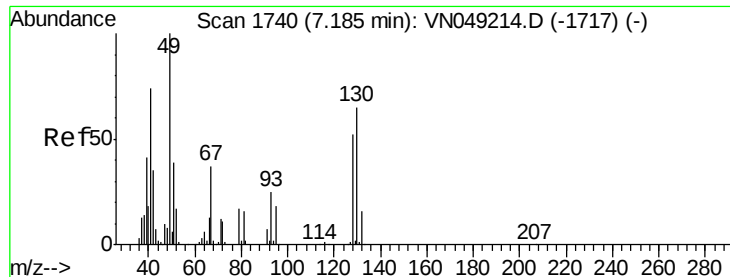
Tot Ion:117 Resp: 60921
Ion Ratio Lower Upper
117 100
119 4.7 75.6 113.4#
121 0.0 24.7 37.1#



#39
Methylcyclohexane
Concen: 181.691 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049222.D
Acq: 14 Jun 2018 12:50

Tgt Ion: 83 Resp: 2638769
Ion Ratio Lower Upper
83 100
55 83.1 65.1 97.7
98 44.6 36.5 54.7





#41

Methacrylonitrile

Concen: 4.869 ug/l

RT: 7.21 min Scan# 1748

Delta R.T. 0.03 min

Lab File: VN049222.D

Acq: 14 Jun 2018 12:50

Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 41 Resp: 24446

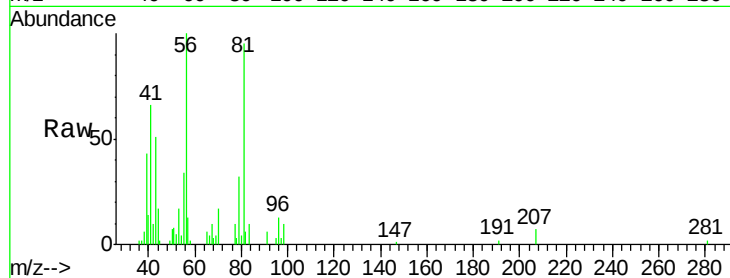
Ion Ratio Lower Upper

41 100

39 0.0 0.0 0.0

67 0.0 0.0 0.0

52 2.6 0.0 0.0#

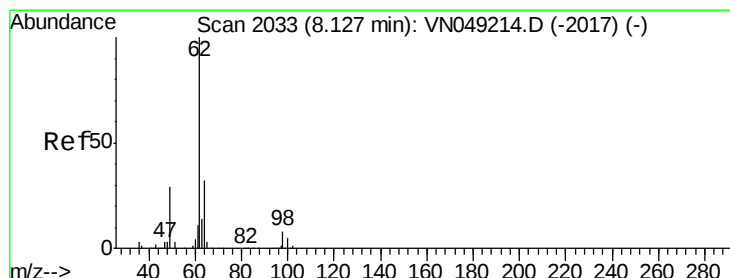
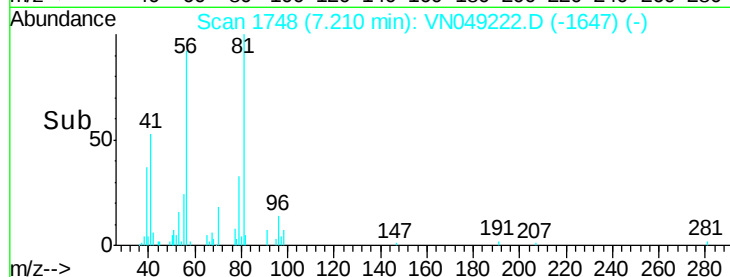
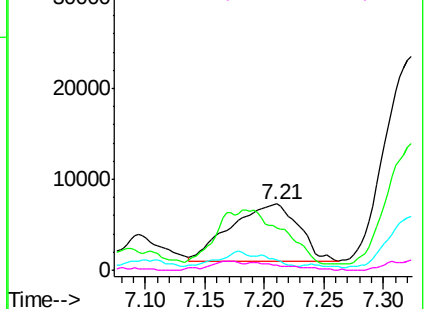


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#42

1,2-Dichloroethane

Concen: 0.503 ug/l

RT: 8.16 min Scan# 2044

Delta R.T. 0.04 min

Lab File: VN049222.D

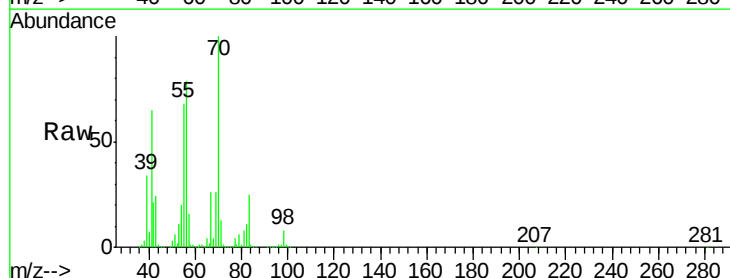
Acq: 14 Jun 2018 12:50

Tgt Ion: 62 Resp: 7077

Ion Ratio Lower Upper

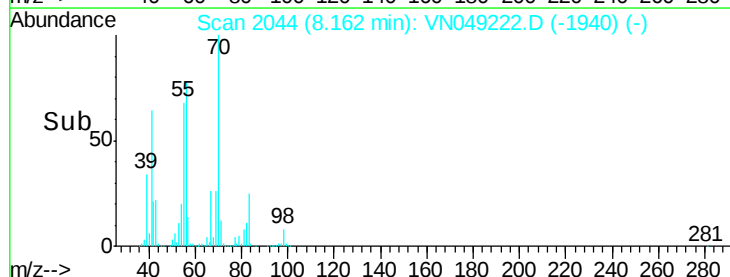
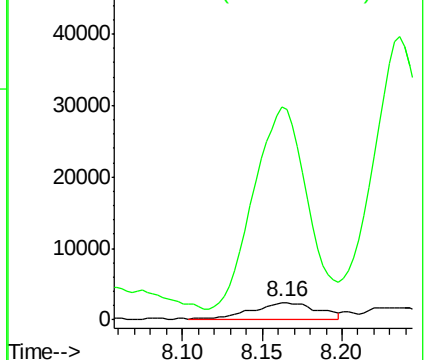
62 100

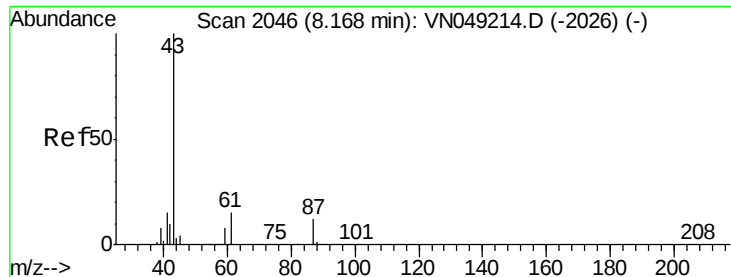
98 918.1 0.0 16.2#



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



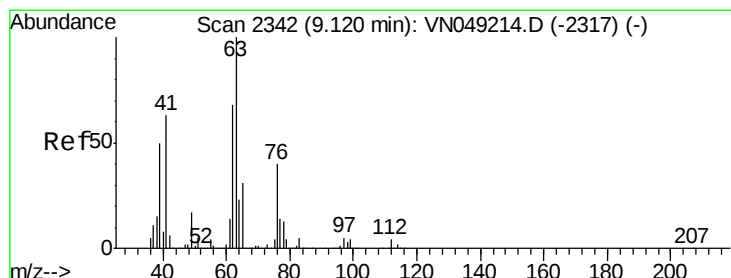
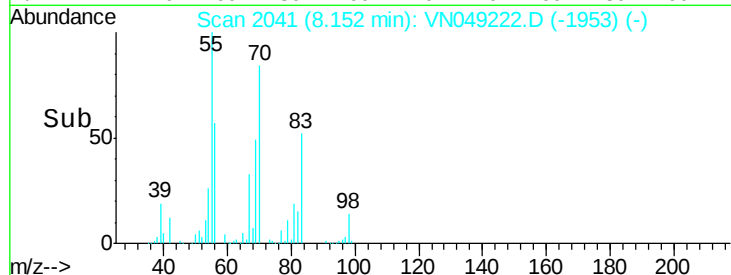
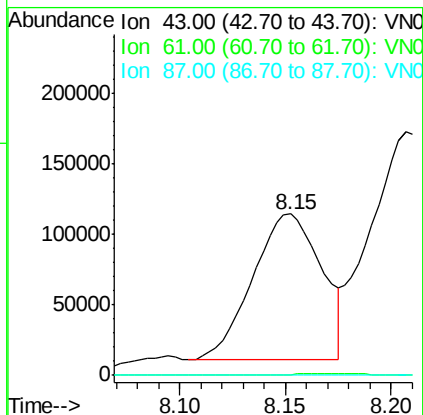
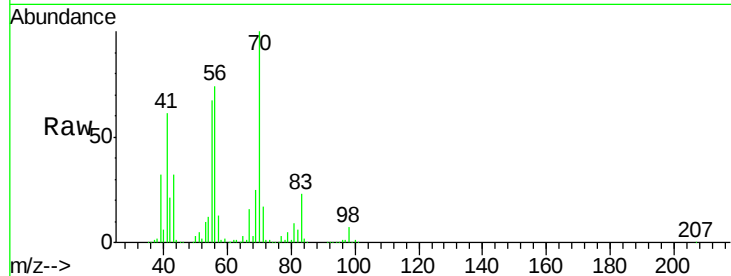


#43

Isopropyl Acetate
 Concen: 14.489 ug/l
 RT: 8.15 min Scan# 2041
 Delta R.T. -0.02 min
 Lab File: VN049222.D
 Acq: 14 Jun 2018 12:50

Instrument :
 MSVOA_N
 ClientSampleId :

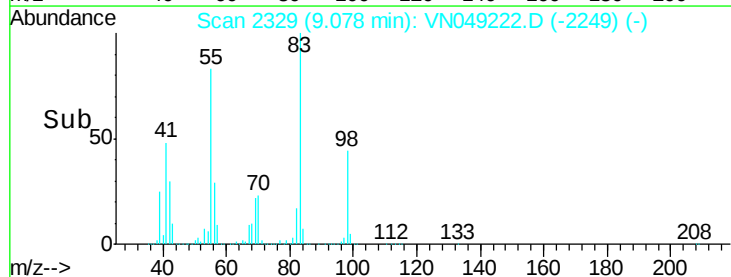
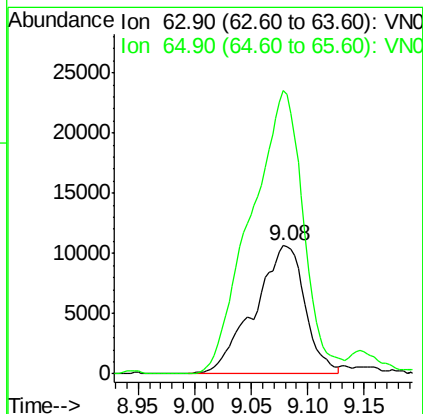
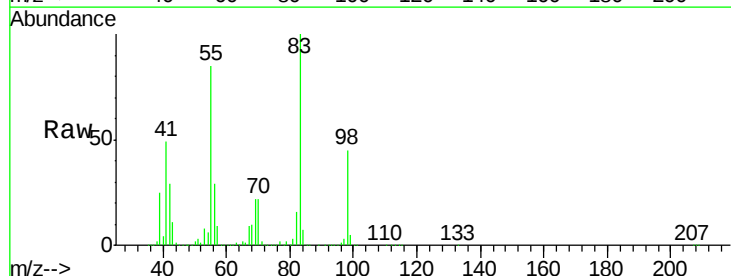
Tot Ion: 43 Resp: 236445
 Ion Ratio Lower Upper
 43 100
 61 0.4 14.2 21.4#
 87 0.0 9.4 14.0#

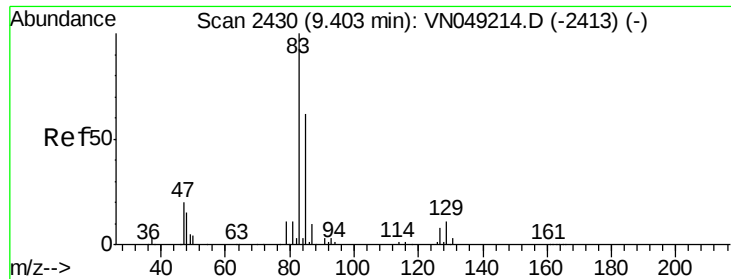


#45

1,2-Dichloropropane
 Concen: 2.821 ug/l
 RT: 9.08 min Scan# 2329
 Delta R.T. -0.04 min
 Lab File: VN049222.D
 Acq: 14 Jun 2018 12:50

Tgt Ion: 63 Resp: 33045
 Ion Ratio Lower Upper
 63 100
 65 220.5 24.8 37.2#





#47

Bromodichloromethane

Concen: 2.429 ug/l

RT: 9.39 min Scan# 2425

Delta R.T. -0.02 min

Lab File: VN049222.D

Acq: 14 Jun 2018 12:50

Instrument :

MSVOA_N

ClientSampleId :

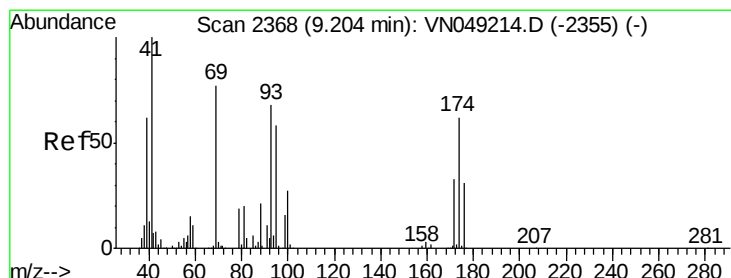
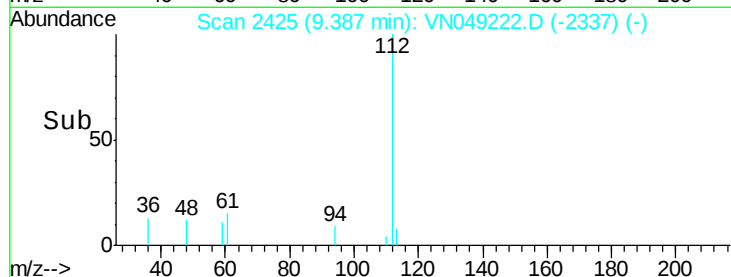
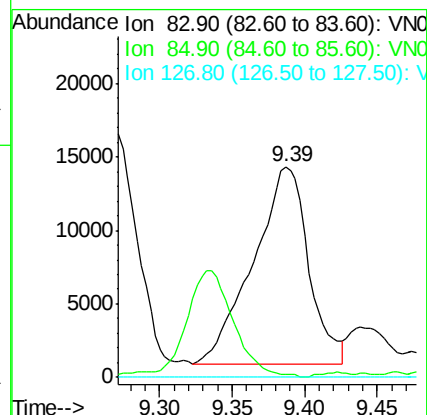
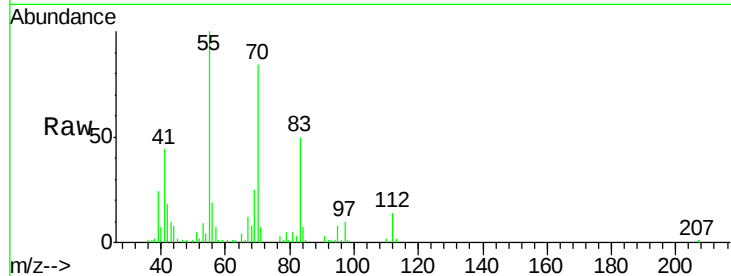
Tot Ion: 83 Resp: 35408

Ion Ratio Lower Upper

83 100

85 0.0 49.4 74.0#

127 0.0 6.3 9.5#



#48

Methyl methacrylate

Concen: 10.615 ug/l

RT: 9.14 min Scan# 2349

Delta R.T. -0.06 min

Lab File: VN049222.D

Acq: 14 Jun 2018 12:50

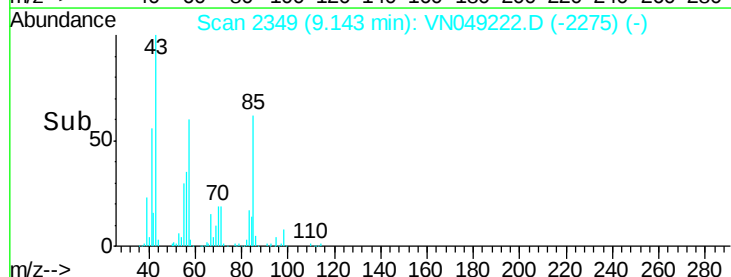
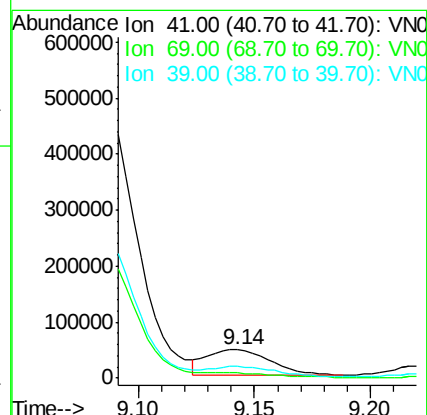
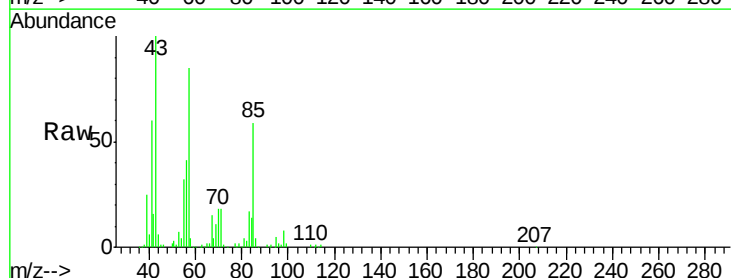
Tgt Ion: 41 Resp: 84640

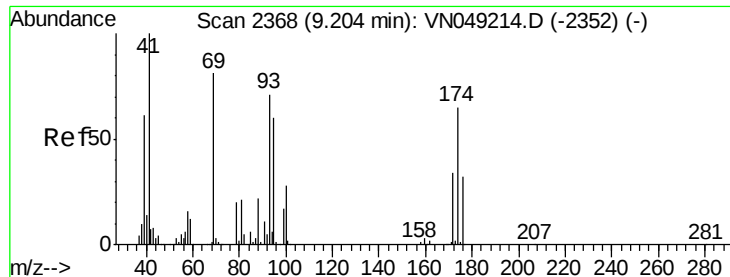
Ion Ratio Lower Upper

41 100

69 0.0 62.0 93.0#

39 38.6 50.6 75.8#

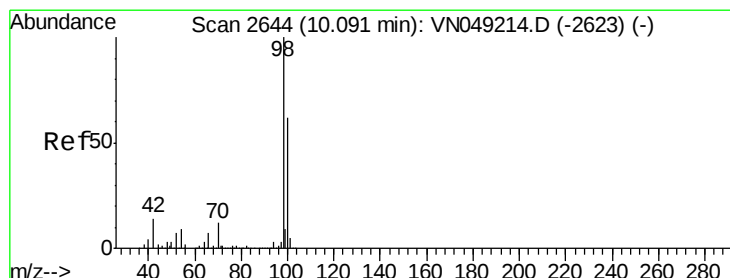
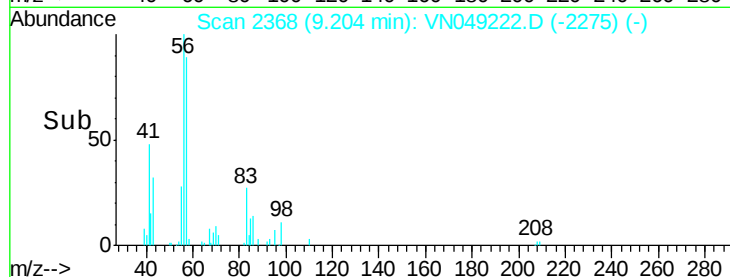
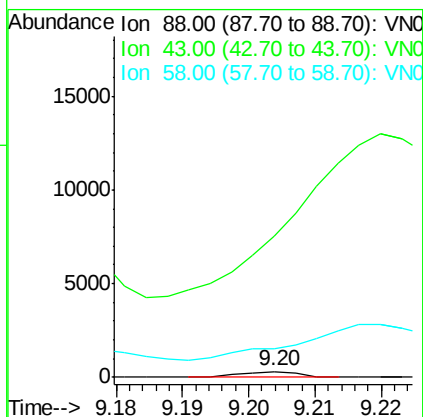
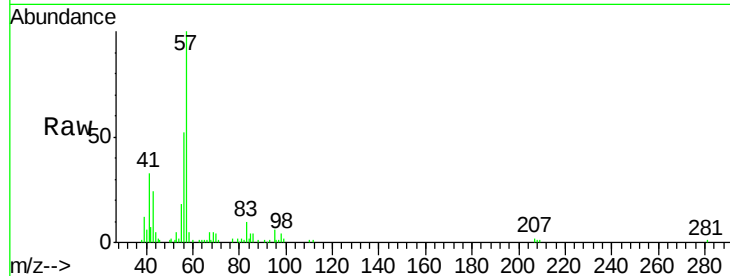




#49
1,4-Dioxane
Concen: 1.997 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN049222.D
Acq: 14 Jun 2018 12:50

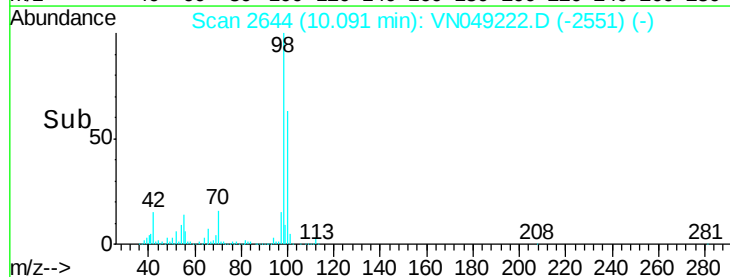
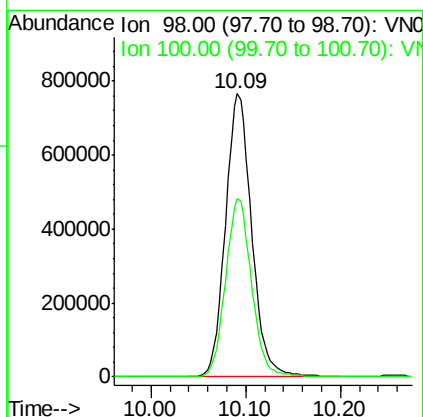
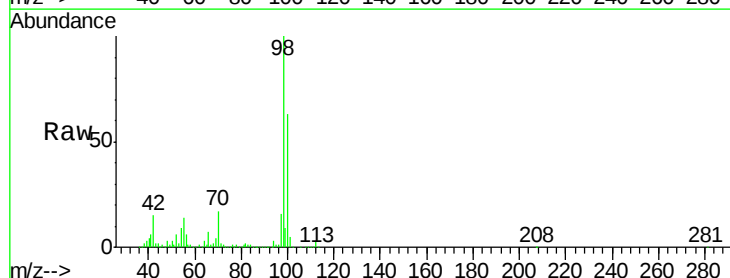
Instrument :
MSVOA_N
ClientSampleId :

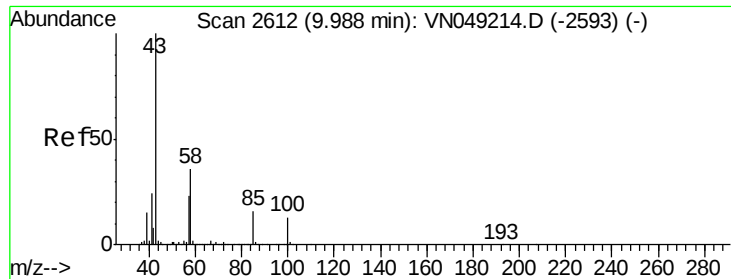
Tot Ion: 88 Resp: 188
Ion Ratio Lower Upper
88 100
43 14877.1 30.9 46.3#
58 2852.7 58.9 88.3#



#50
Toluene-d8
Concen: 40.587 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049222.D
Acq: 14 Jun 2018 12:50

Tgt Ion: 98 Resp: 1470563
Ion Ratio Lower Upper
98 100
100 62.6 49.8 74.8

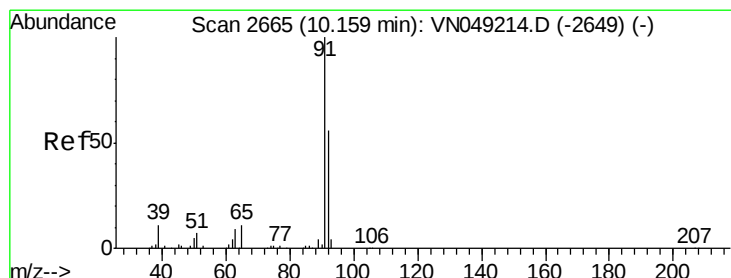
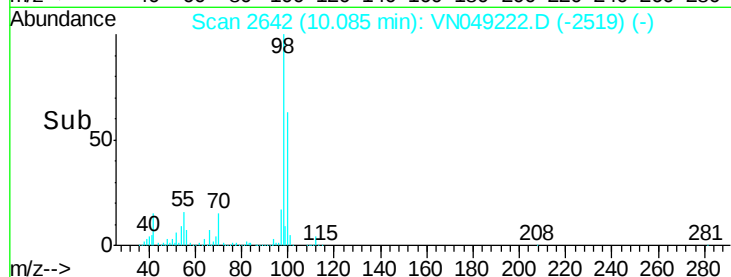
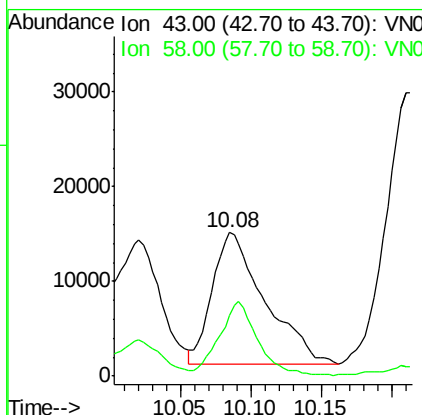
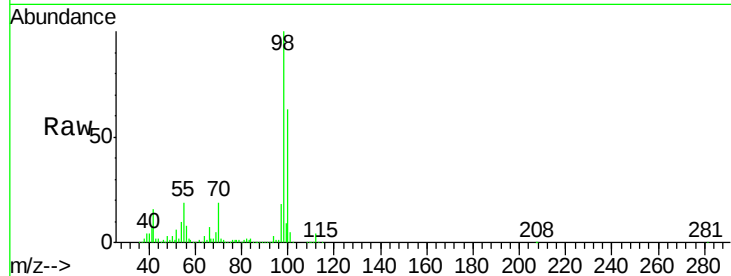




#51
 4-Methyl-2-Pentanone
 Concen: 4.135 ug/l
 RT: 10.08 min Scan# 2642
 Delta R.T. 0.10 min
 Lab File: VN049222.D
 Acq: 14 Jun 2018 12:50

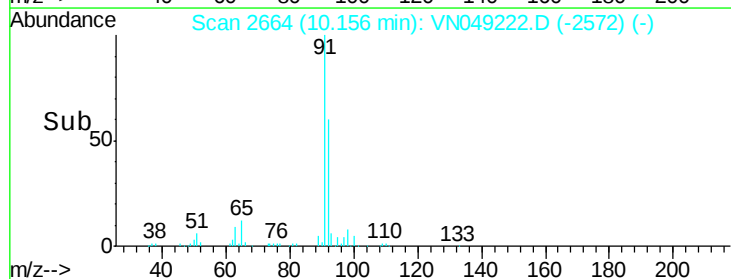
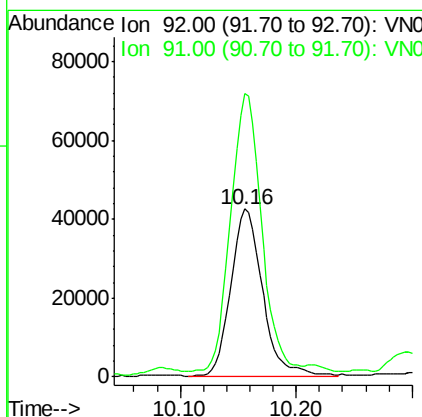
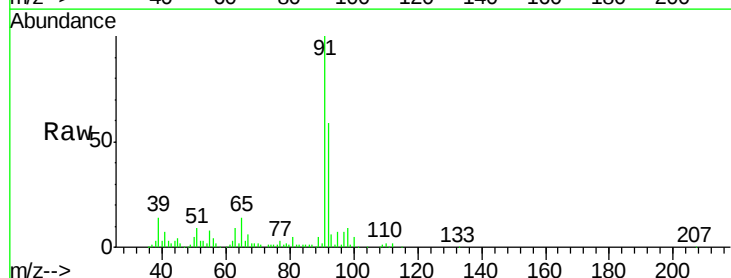
Instrument :
 MSVOA_N
 ClientSampled :

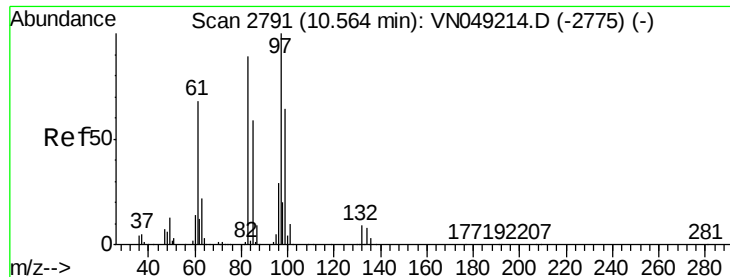
Tot Ion: 43 Resp: 35937
 Ion Ratio Lower Upper
 43 100
 58 42.6 29.0 43.6



#52
 Toluene
 Concen: 3.222 ug/l
 RT: 10.16 min Scan# 2664
 Delta R.T. -0.00 min
 Lab File: VN049222.D
 Acq: 14 Jun 2018 12:50

Tgt Ion: 92 Resp: 79842
 Ion Ratio Lower Upper
 92 100
 91 162.0 143.4 215.2

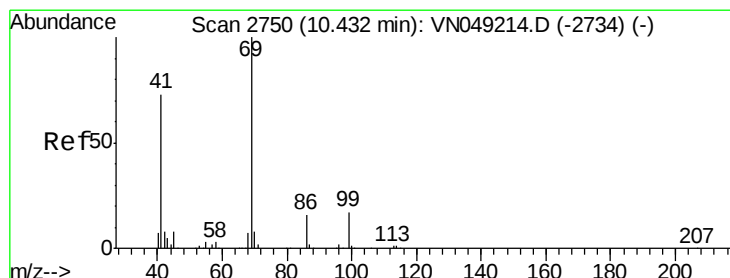
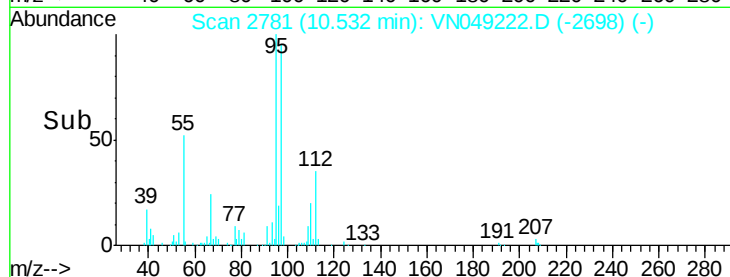
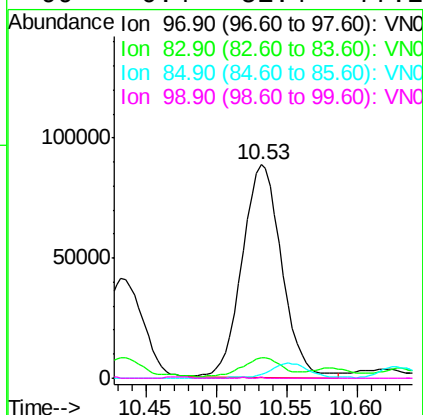
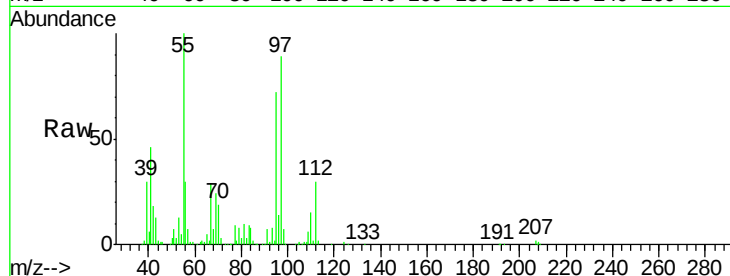




#55
 1,1,2-Trichloroethane
 Concen: 19.231 ug/l
 RT: 10.53 min Scan# 2781
 Delta R.T. -0.03 min
 Lab File: VN049222.D
 Acq: 14 Jun 2018 12:50

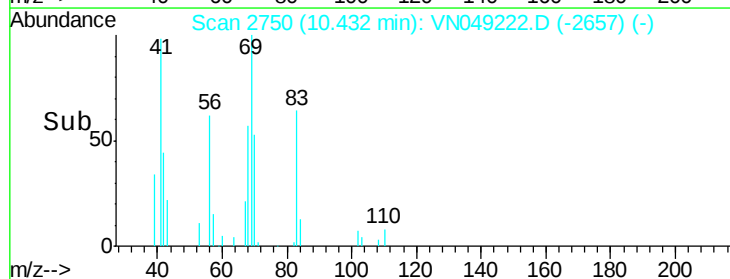
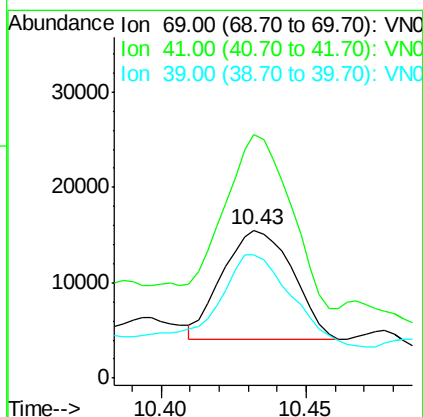
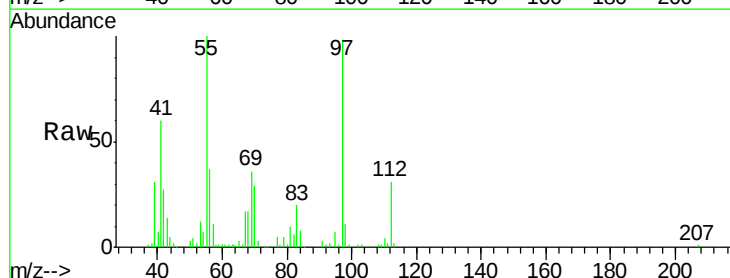
Instrument :
 MSVOA_N
 ClientSampleId :

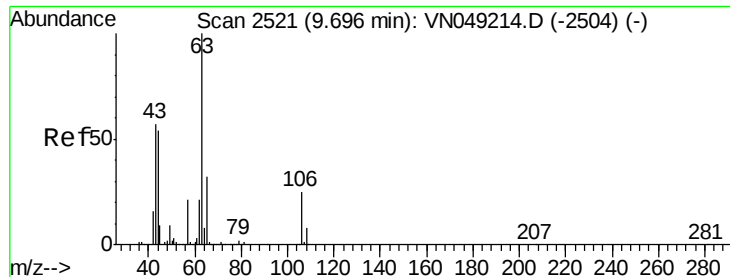
Tot Ion	Ratio	Lower	Upper
97	100		
83	8.6	71.5	107.3#
85	1.8	47.0	70.4#
99	0.4	51.4	77.2#



#56
 Ethyl methacrylate
 Concen: 1.765 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN049222.D
 Acq: 14 Jun 2018 12:50

Tgt Ion	Ratio	Lower	Upper
69	100		
41	148.4	58.4	87.6#
39	83.0	35.5	53.3#





#58

2-Chloroethyl Vinyl ether

Concen: 17.777 ug/l

RT: 9.62 min Scan# 2496

Delta R.T. -0.08 min

Lab File: VN049222.D

Acq: 14 Jun 2018 12:50

Instrument :

MSVOA_N

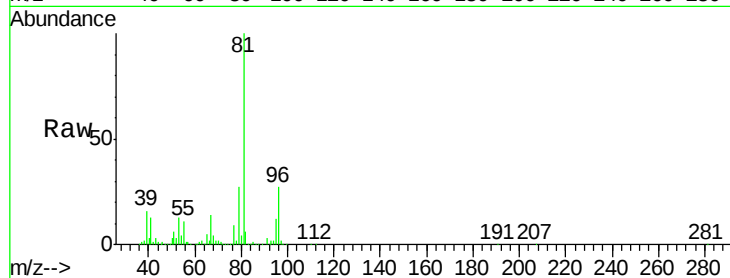
ClientSampled :

Tot Ion: 63 Resp: 20192

Ion Ratio Lower Upper

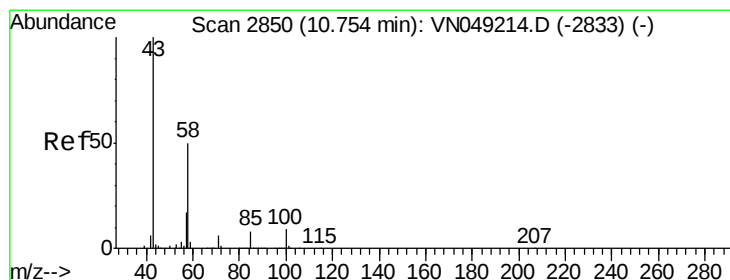
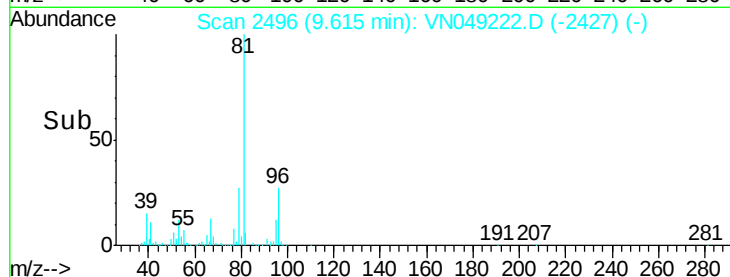
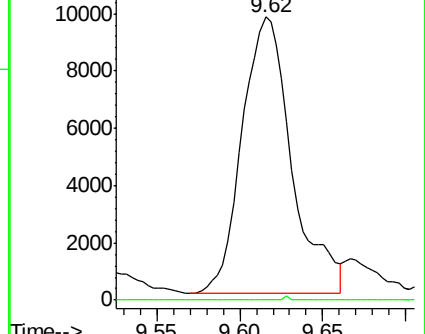
63 100

106 0.1 19.4 29.2#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): VN0



#59

2-Hexanone

Concen: 3.094 ug/l

RT: 10.76 min Scan# 2851

Delta R.T. 0.00 min

Lab File: VN049222.D

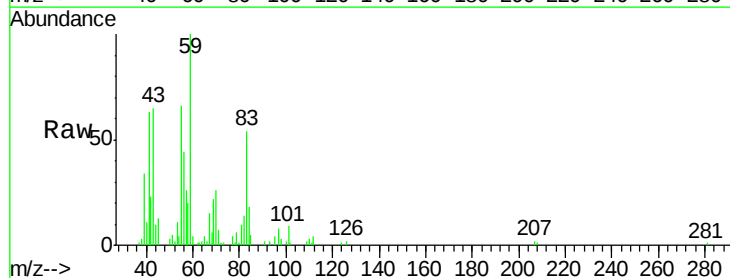
Acq: 14 Jun 2018 12:50

Tgt Ion: 43 Resp: 16753

Ion Ratio Lower Upper

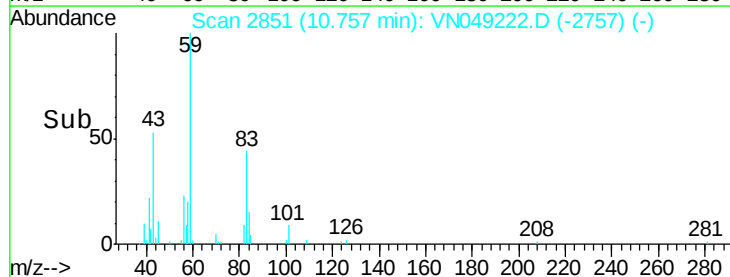
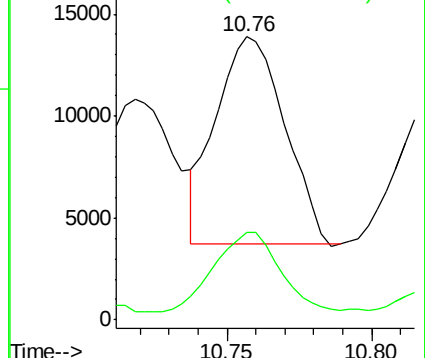
43 100

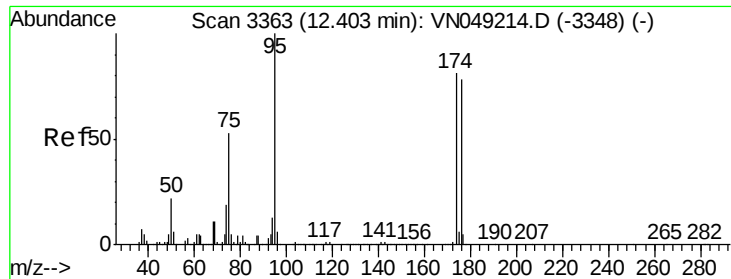
58 45.3 25.2 75.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#62

4-Bromofluorobenzene

Concen: 50.838 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049222.D

Acq: 14 Jun 2018 12:50

Instrument :

MSVOA_N

ClientSampleId :

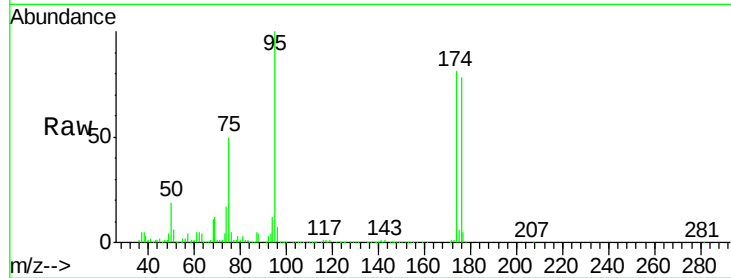
Tot Ion: 95 Resp: 611337

Ion Ratio Lower Upper

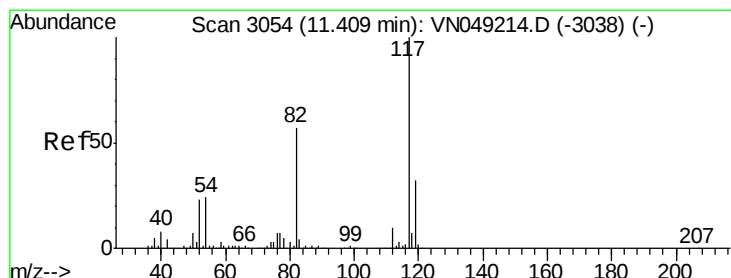
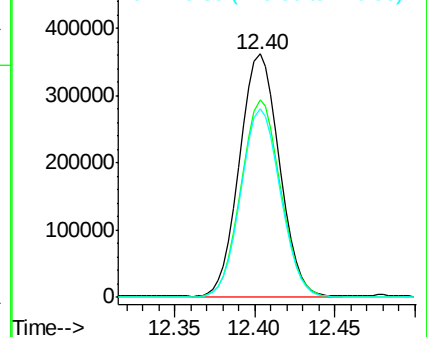
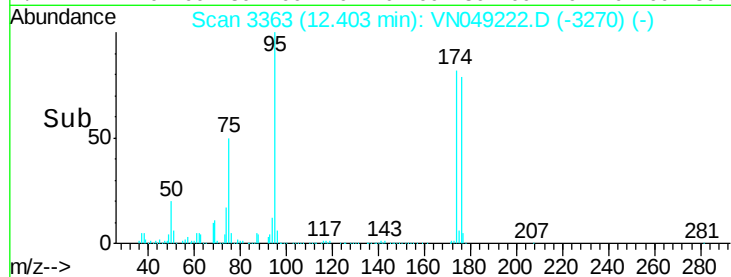
95 100

174 81.4 0.0 165.6

176 78.1 0.0 157.4



Abundance Ion 94.90 (94.60 to 95.60): VN049222.D (-2961) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN049222.D

Acq: 14 Jun 2018 12:50

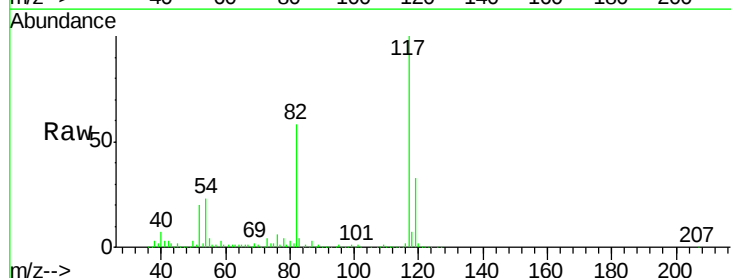
Tgt Ion: 117 Resp: 1222789

Ion Ratio Lower Upper

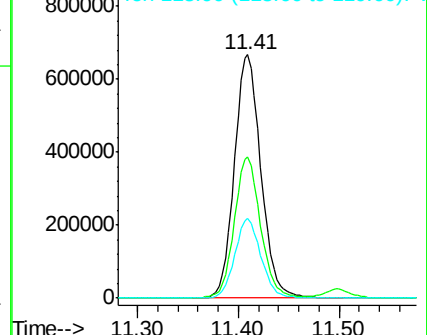
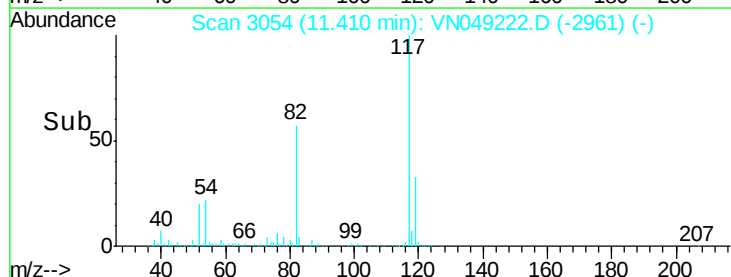
117 100

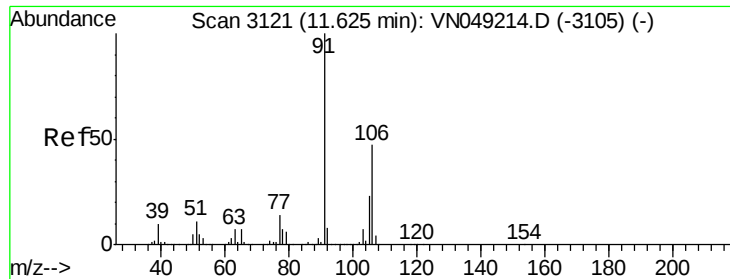
82 57.4 45.9 68.9

119 32.6 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): VN049222.D (-2961) (-)

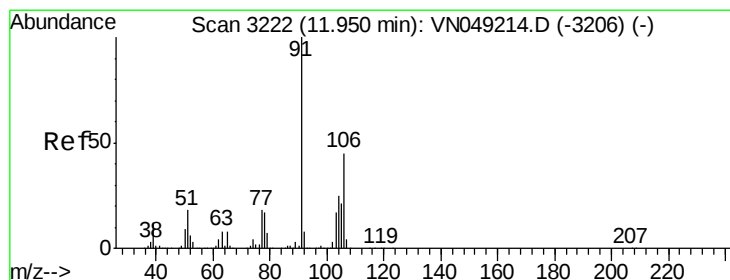
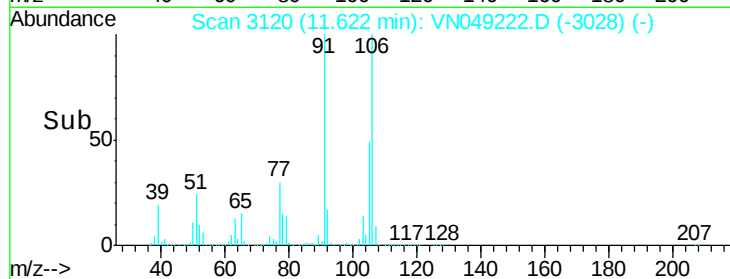
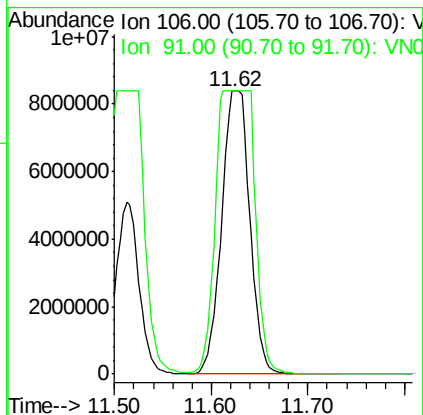
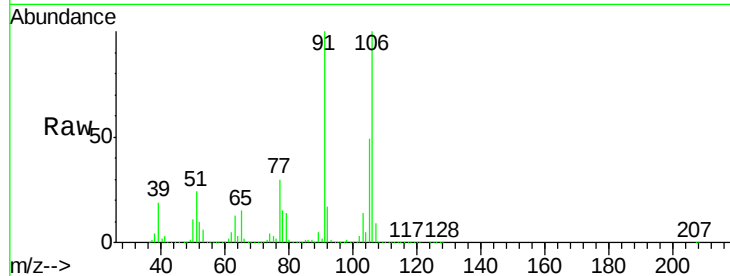




#68
m/p-Xylenes
Concen: 850.556 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. -0.00 min
Lab File: VN049222.D
Acq: 14 Jun 2018 12:50

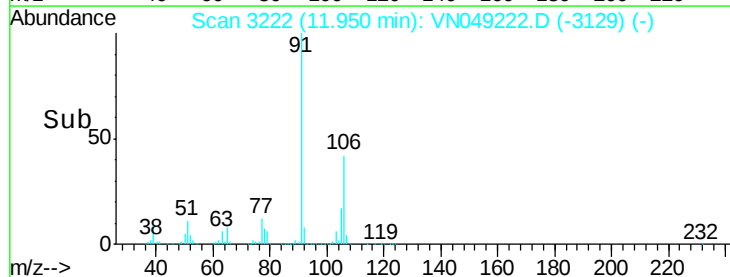
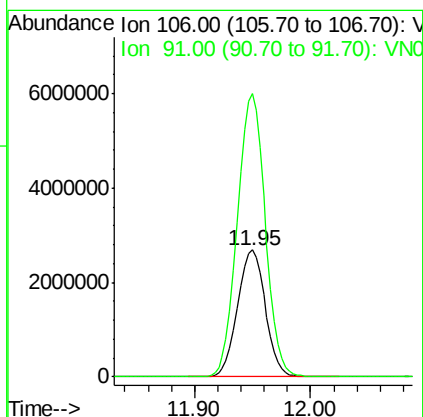
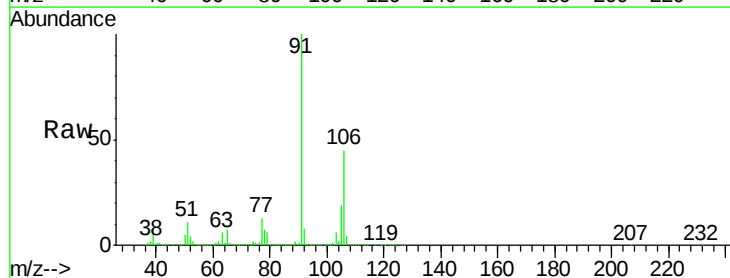
Instrument :
MSVOA_N
ClientSampleId :

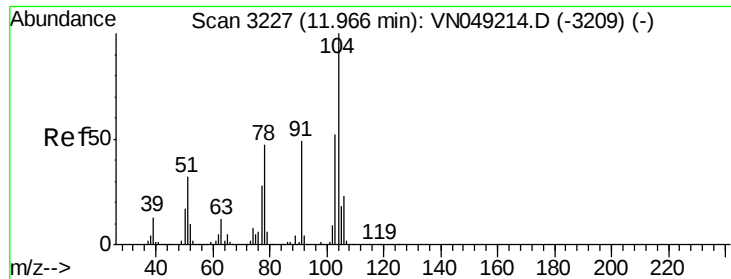
Tot Ion:106 Resp:16926380
Ion Ratio Lower Upper
106 100
91 0.0 167.3 250.9#



#69
o-Xylene
Concen: 233.115 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049222.D
Acq: 14 Jun 2018 12:50

Tgt Ion:106 Resp: 4467662
Ion Ratio Lower Upper
106 100
91 223.0 111.0 333.0

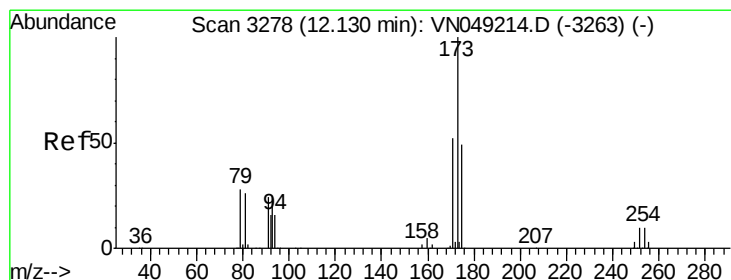
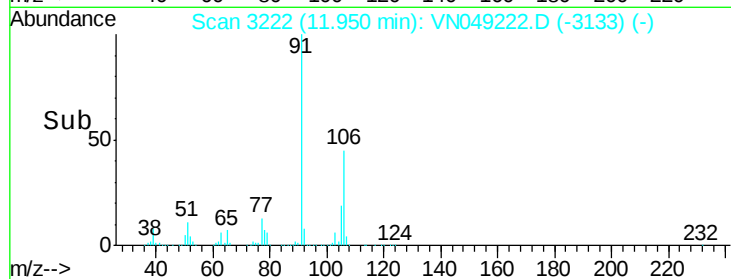
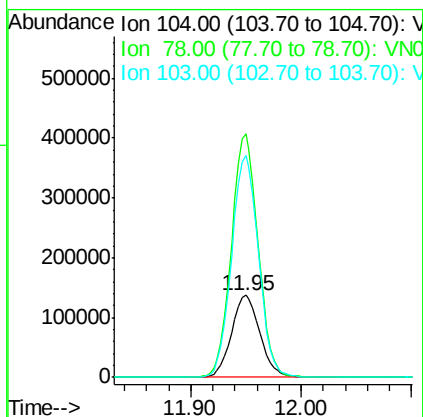
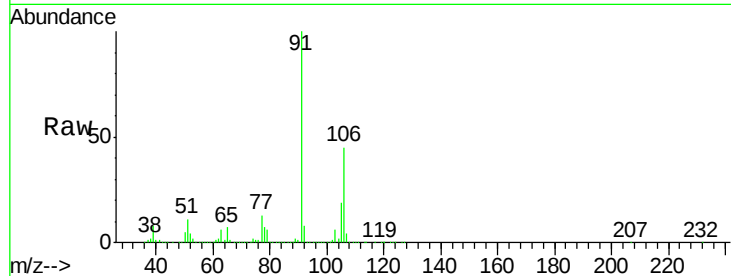




#70
Stvrene
Concen: 8.079 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. -0.02 min
Lab File: VN049222.D
Acq: 14 Jun 2018 12:50

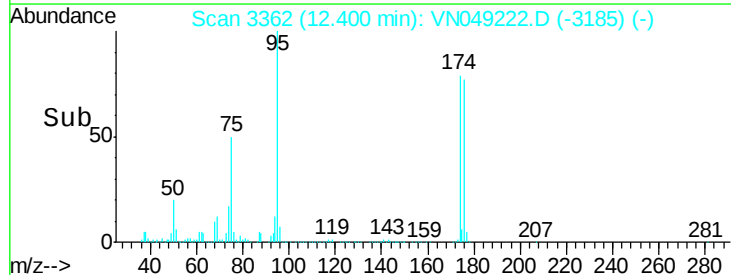
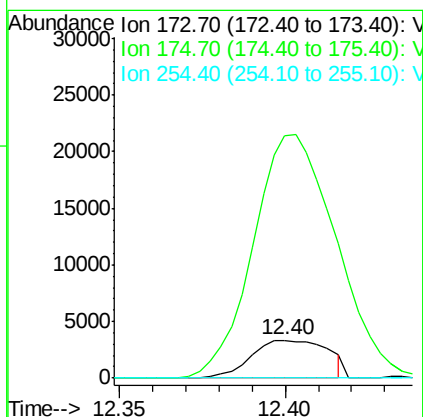
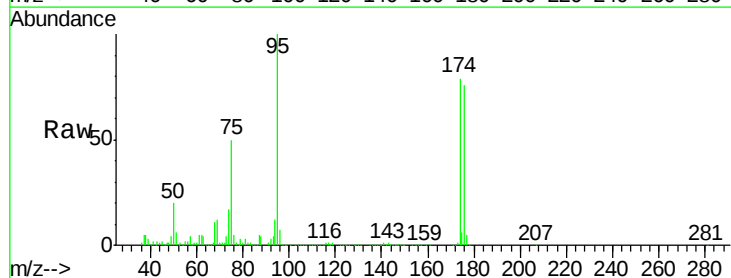
Instrument :
MSVOA_N
ClientSampled :

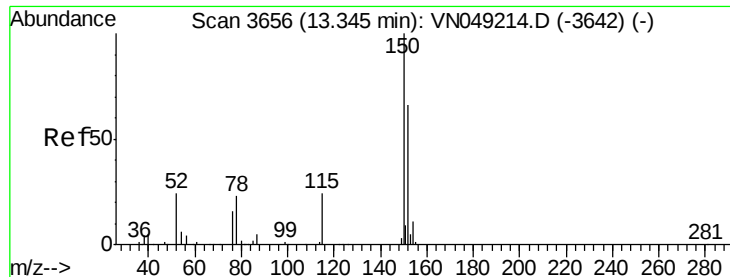
Tot Ion:104 Resp: 245131
Ion Ratio Lower Upper
104 100
78 277.6 41.6 62.4#
103 256.0 45.4 68.2#



#71
Bromoform
Concen: 0.722 ug/l
RT: 12.40 min Scan# 3362
Delta R.T. 0.27 min
Lab File: VN049222.D
Acq: 14 Jun 2018 12:50

Tgt Ion:173 Resp: 5416
Ion Ratio Lower Upper
173 100
175 612.1 24.5 73.5#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN049222.D

Acq: 14 Jun 2018 12:50

Instrument :

MSVOA_N

ClientSampleId :

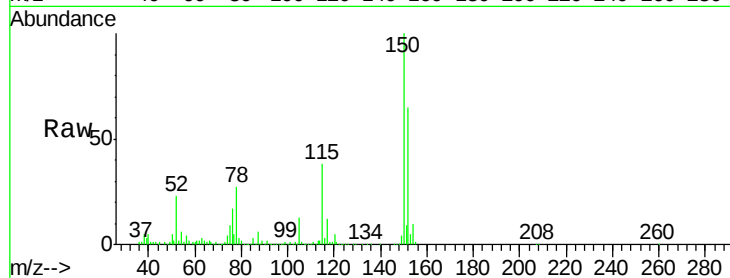
Tot Ion:152 Resp: 611140

Ion Ratio Lower Upper

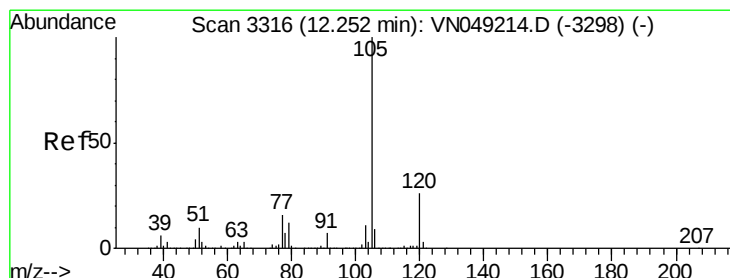
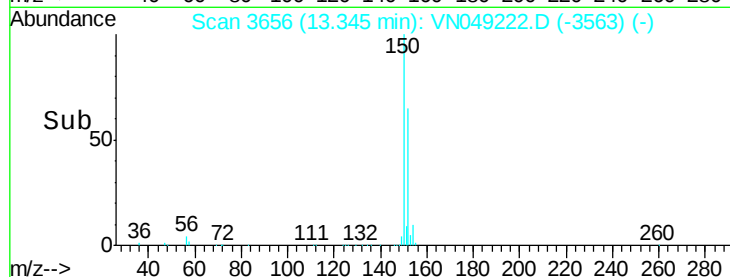
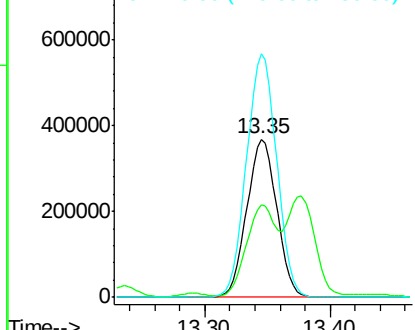
152 100

115 59.6 28.7 86.1

150 155.5 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: 47.826 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049222.D

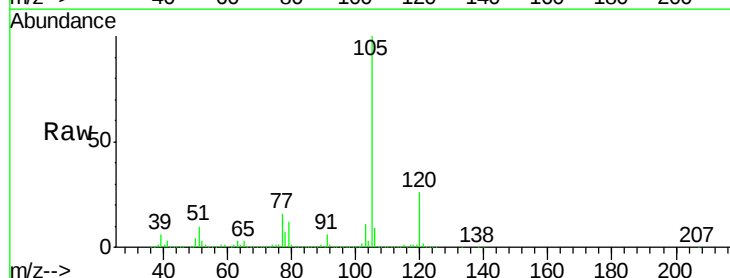
Acq: 14 Jun 2018 12:50

Tgt Ion:105 Resp: 2807375

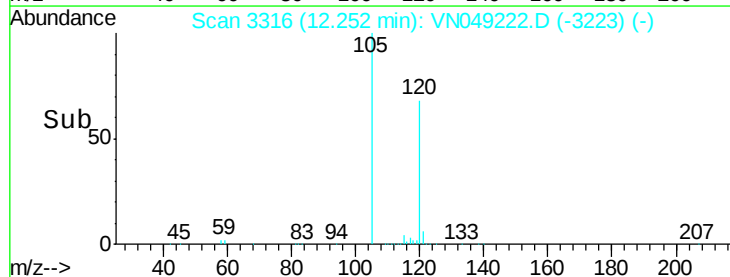
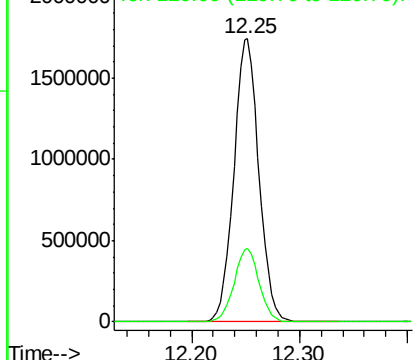
Ion Ratio Lower Upper

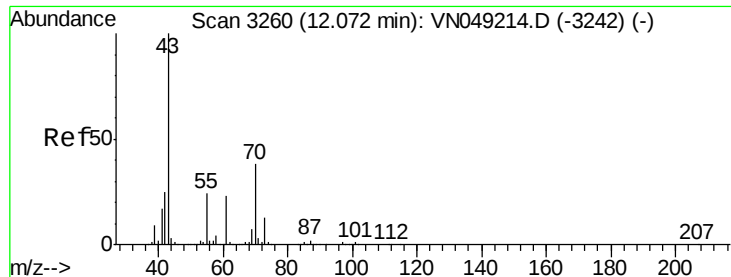
105 100

120 26.0 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 0.266 ug/l

RT: 12.08 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN049222.D

Acq: 14 Jun 2018 12:50

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 43 Resp: 4455

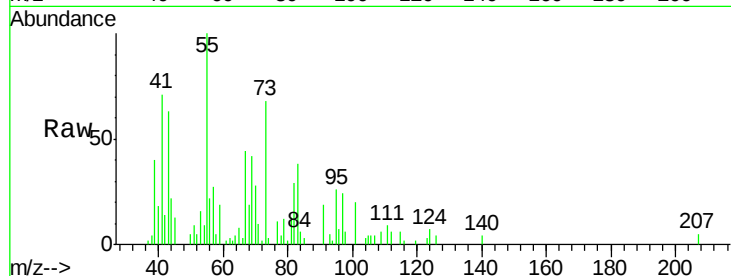
Ion Ratio Lower Upper

43 100

70 0.0 30.3 45.5#

55 211.6 19.4 29.2#

61 0.0 17.8 26.6#

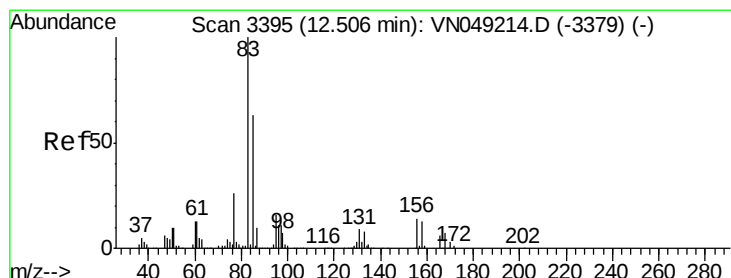
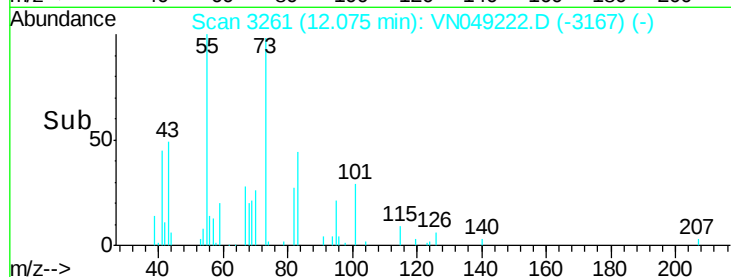
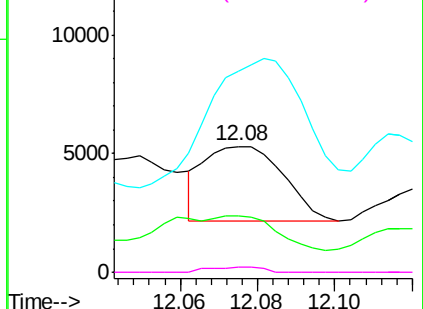


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.53 min Scan# 3401

Delta R.T. 0.02 min

Lab File: VN049222.D

Acq: 14 Jun 2018 12:50

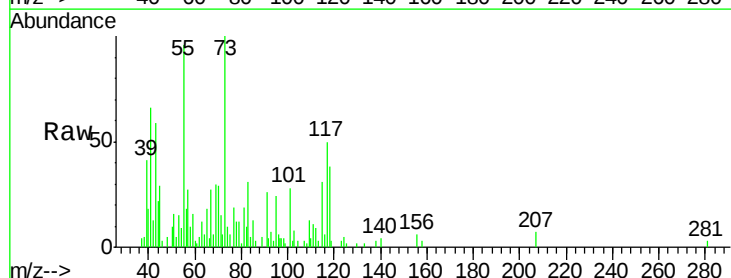
Tgt Ion: 83 Resp: 2573

Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

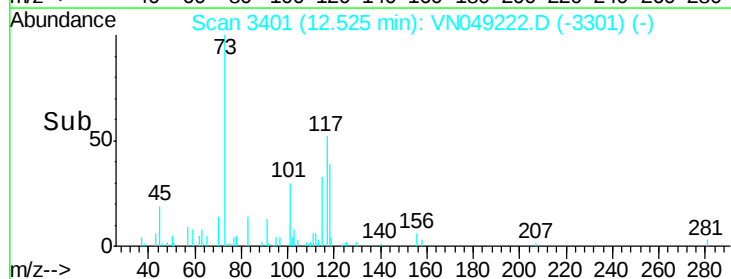
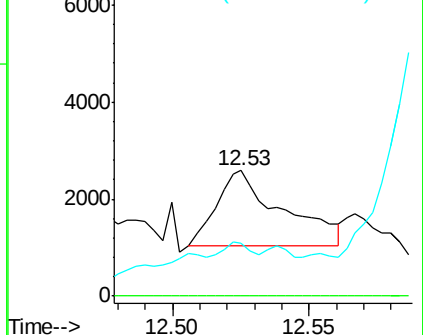
85 32.9 32.0 96.0

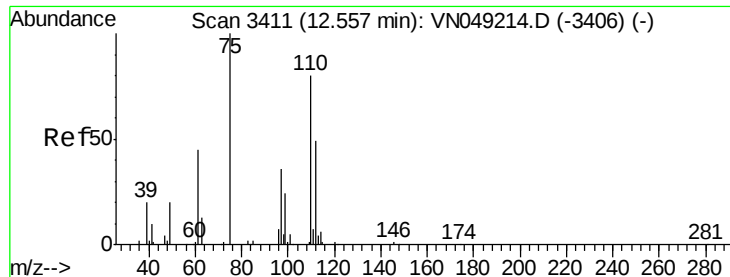


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0





#76

1,2,3-Trichloropropane

Concen: 2.935 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.04 min

Lab File: VN049222.D

Acq: 14 Jun 2018 12:50

Instrument :

MSVOA_N

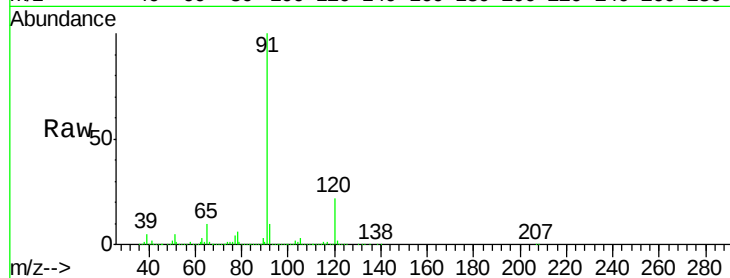
ClientSampleId :

Tot Ion: 75 Resp: 51456

Ion Ratio Lower Upper

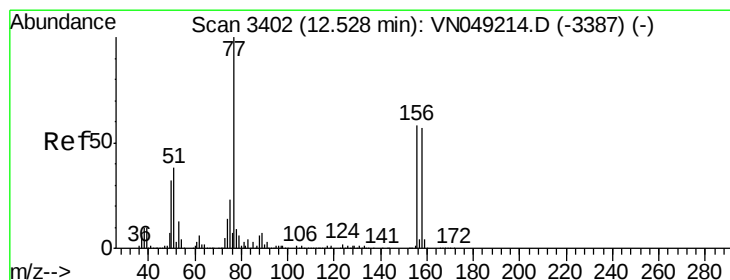
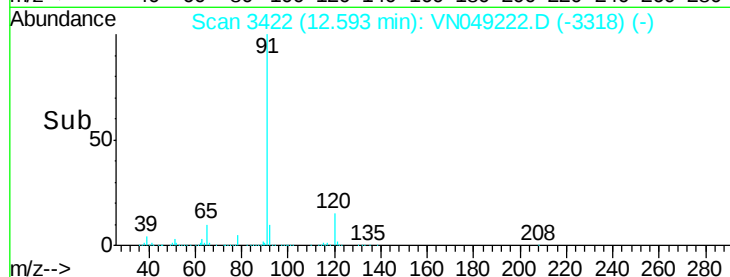
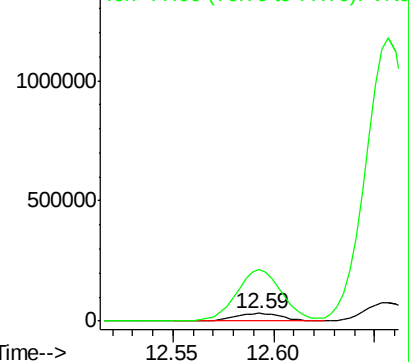
75 100

77 651.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN049214.D (-3406) (-)

Ion 77.00 (76.70 to 77.70): VN049214.D (-3406) (-)



#77

Bromobenzene

Concen: Below Cal

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN049222.D

Acq: 14 Jun 2018 12:50

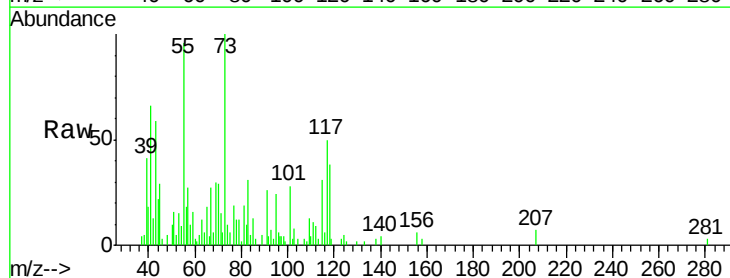
Tgt Ion: 156 Resp: 572

Ion Ratio Lower Upper

156 100

77 0.0 100.8 302.4#

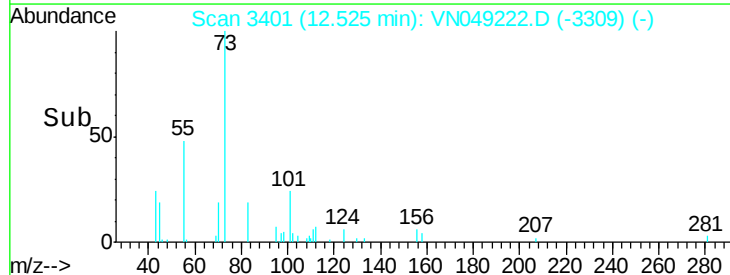
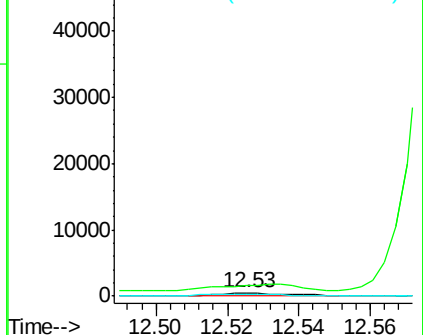
158 63.6 49.3 147.9

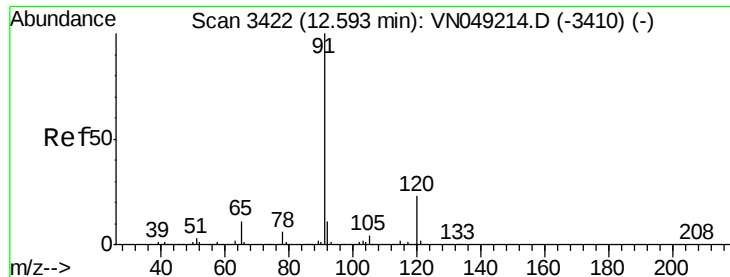


Abundance Ion 155.80 (155.50 to 156.50): VN049214.D (-3387) (-)

Ion 77.00 (76.70 to 77.70): VN049214.D (-3387) (-)

Ion 157.80 (157.50 to 158.50): VN049214.D (-3387) (-)





#78

n-propylbenzene

Concen: 132.900 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049222.D

Acq: 14 Jun 2018 12:50

Instrument :

MSVOA_N

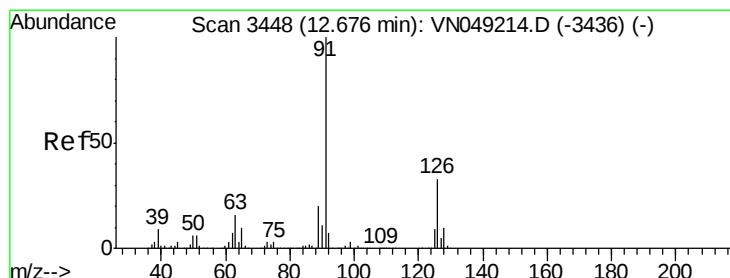
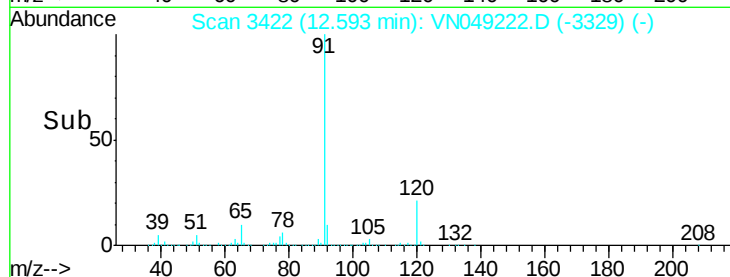
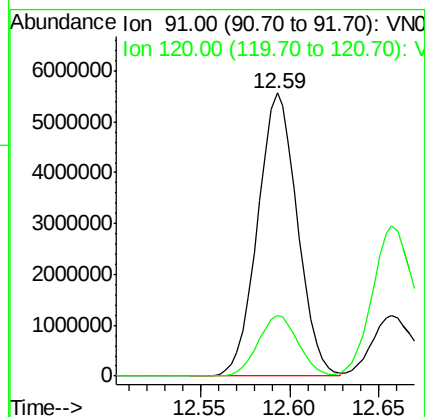
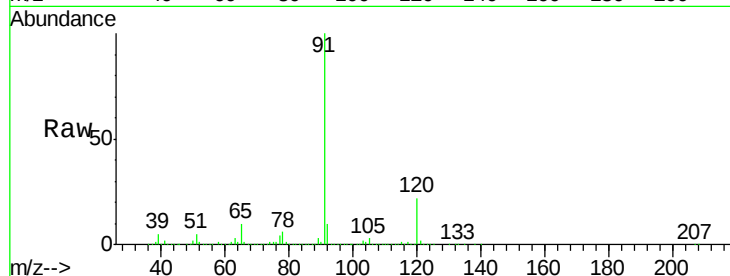
ClientSampled :

Tot Ion: 91 Resp: 8666275

Ion Ratio Lower Upper

91 100

120 21.6 11.2 33.5



#79

2-Chlorotoluene

Concen: 47.670 ug/l

RT: 12.66 min Scan# 3442

Delta R.T. -0.02 min

Lab File: VN049222.D

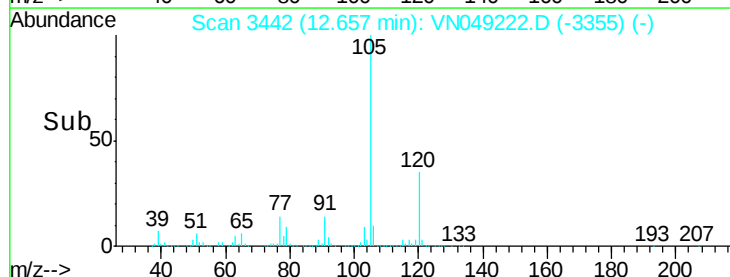
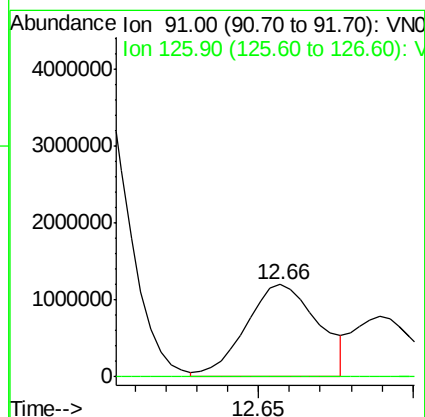
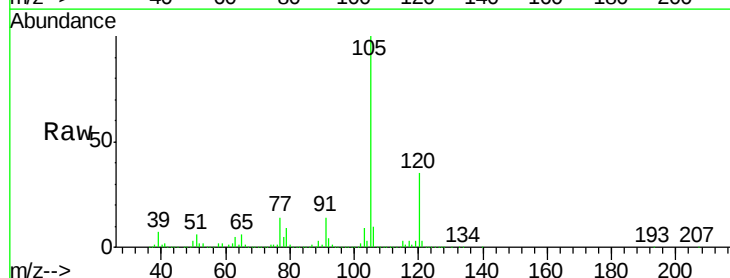
Acq: 14 Jun 2018 12:50

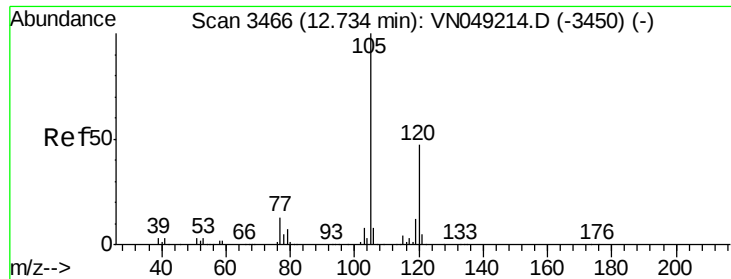
Tgt Ion: 91 Resp: 1960414

Ion Ratio Lower Upper

91 100

126 0.8 16.6 49.8#





#80

1,3,5-Trimethylbenzene

Concen: 187.312 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049222.D

Acq: 14 Jun 2018 12:50

Instrument :

MSVOA_N

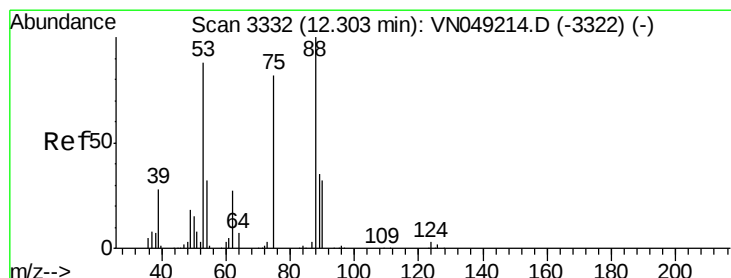
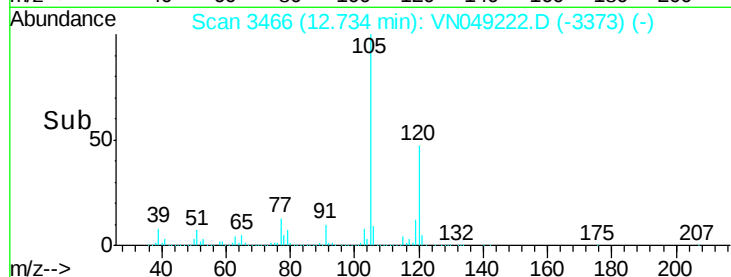
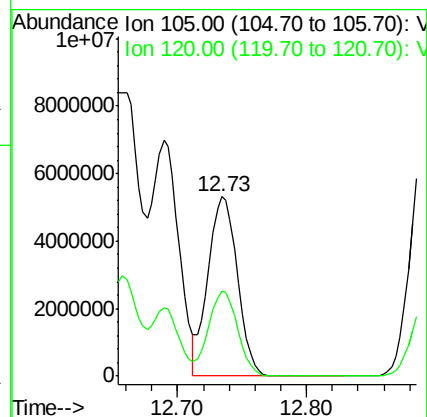
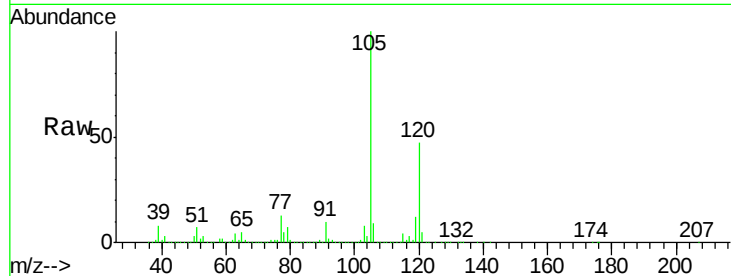
ClientSampled :

Tot Ion:105 Resp: 8430475

Ion Ratio Lower Upper

105 100

120 47.0 23.5 70.5



#81

trans-1,4-Dichloro-2-butene

Concen: 9.043 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. -0.05 min

Lab File: VN049222.D

Acq: 14 Jun 2018 12:50

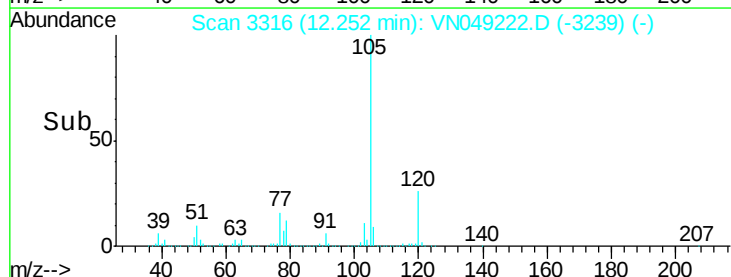
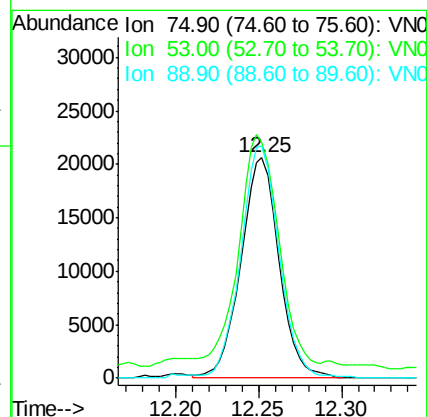
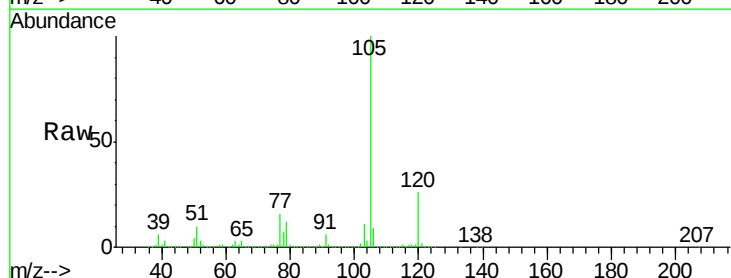
Tgt Ion: 75 Resp: 33079

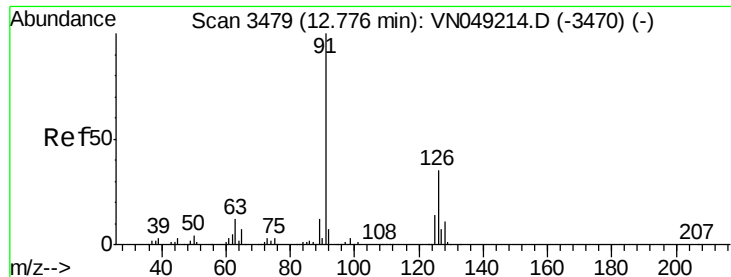
Ion Ratio Lower Upper

75 100

53 106.8 82.7 124.1

89 106.2 36.5 54.7#

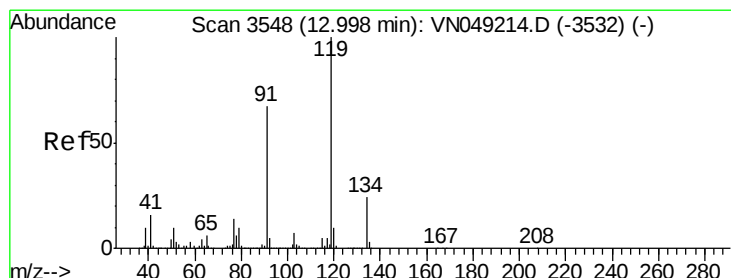
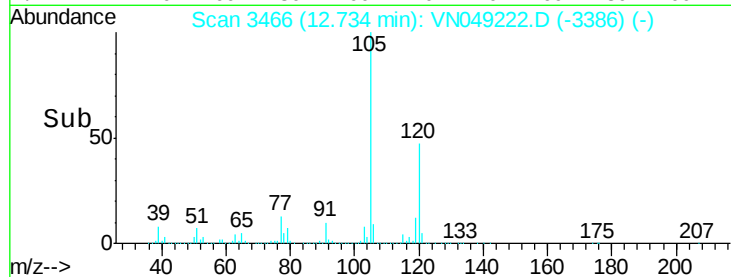
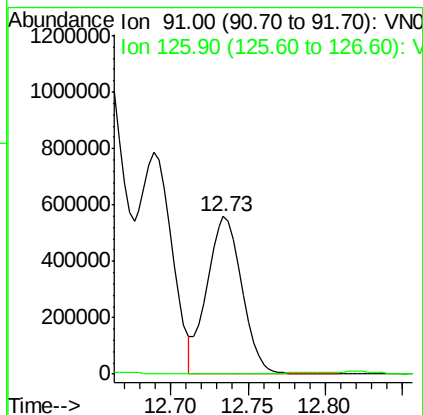
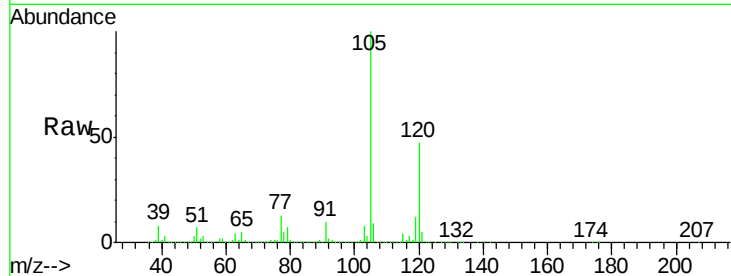




#82
 4-Chlorotoluene
 Concen: 22.428 ug/l
 RT: 12.73 min Scan# 3466
 Delta R.T. -0.04 min
 Lab File: VN049222.D
 Acq: 14 Jun 2018 12:50

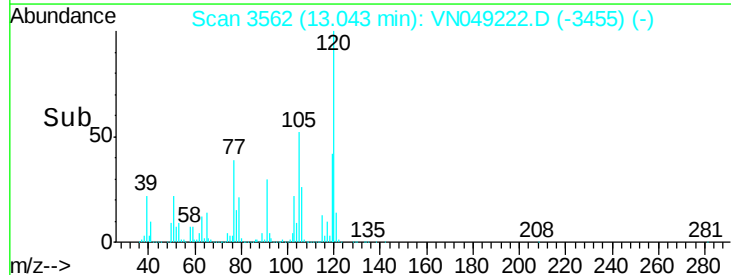
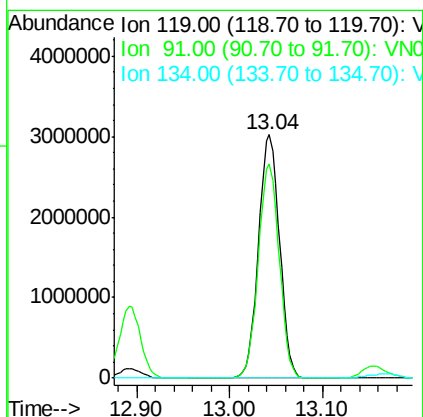
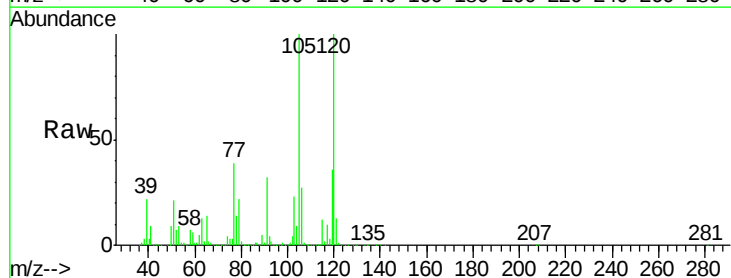
Instrument :
 MSVOA_N
 ClientSampled :

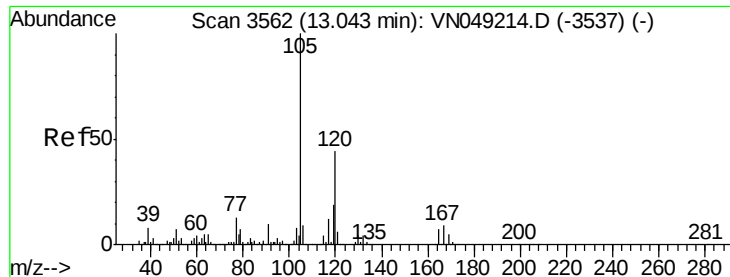
Tot Ion: 91 Resp: 874885
 Ion Ratio Lower Upper
 91 100
 126 0.0 16.4 49.1#



#83
 tert-Butylbenzene
 Concen: 123.542 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.05 min
 Lab File: VN049222.D
 Acq: 14 Jun 2018 12:50

Tgt Ion: 119 Resp: 4789854
 Ion Ratio Lower Upper
 119 100
 91 87.6 33.7 101.0
 134 0.0 12.9 38.6#

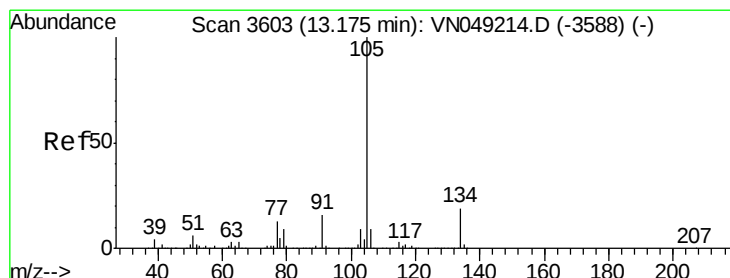
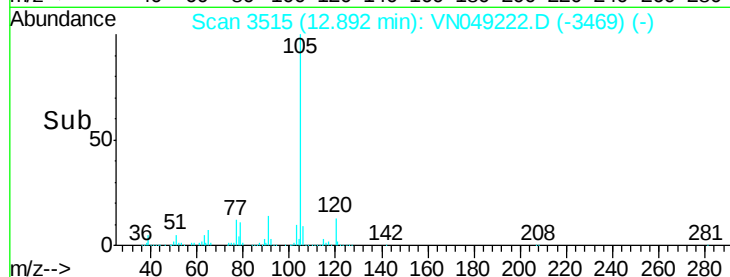
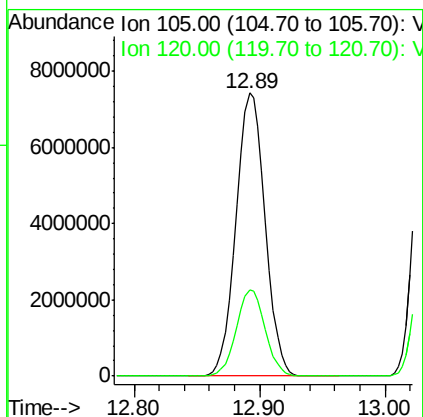
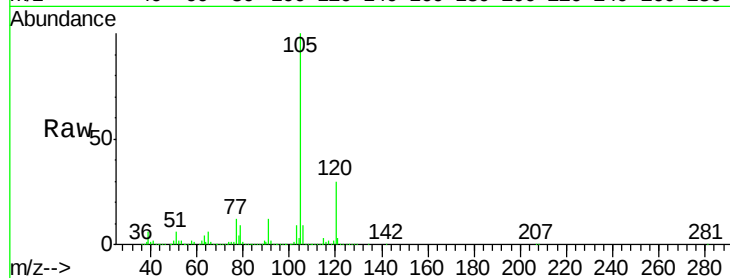




#84
 1,2,4-Trimethylbenzene
 Concen: 266.870 ug/l
 RT: 12.89 min Scan# 3515
 Delta R.T. -0.15 min
 Lab File: VN049222.D
 Acq: 14 Jun 2018 12:50

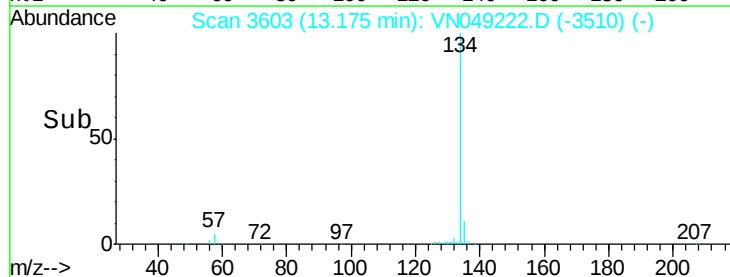
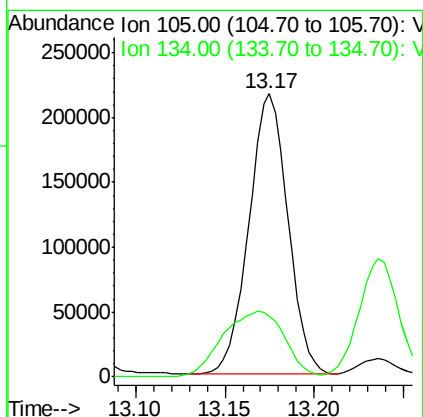
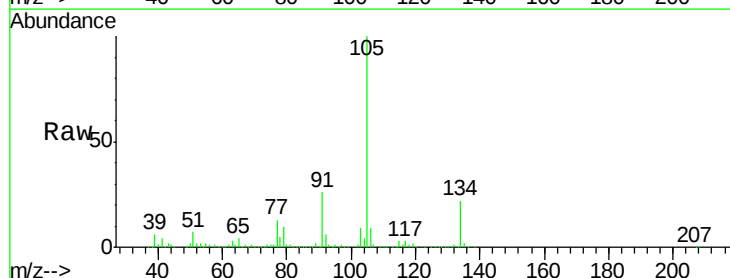
Instrument :
 MSVOA_N
 ClientSampled :

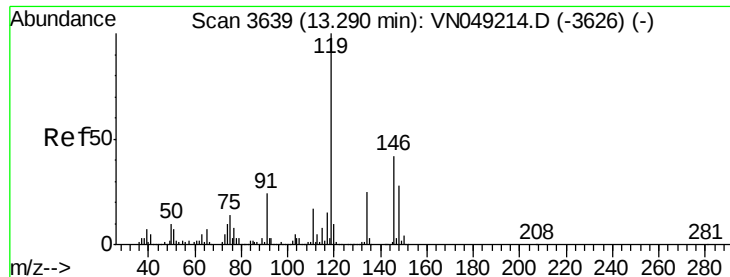
Tot Ion:105 Resp:11938553
 Ion Ratio Lower Upper
 105 100
 120 30.1 22.2 66.6



#85
 sec-Butylbenzene
 Concen: 6.417 ug/l
 RT: 13.17 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN049222.D
 Acq: 14 Jun 2018 12:50

Tgt Ion:105 Resp: 331701
 Ion Ratio Lower Upper
 105 100
 134 36.9 9.8 29.3#

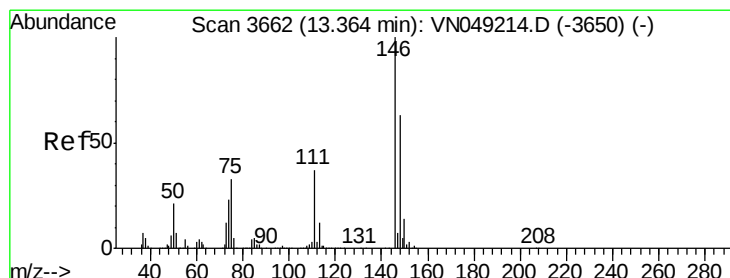
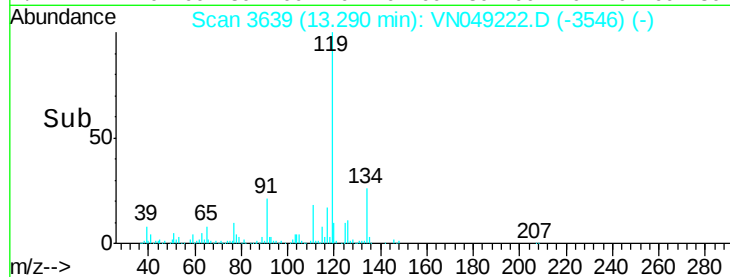
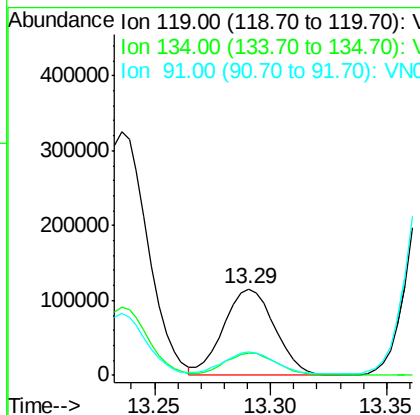
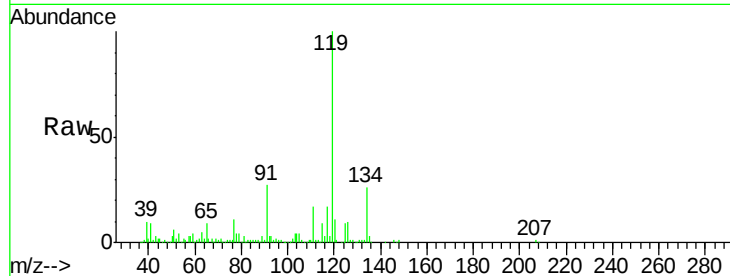




#86
 p-Isopropyltoluene
 Concen: 4.203 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. 0.00 min
 Lab File: VN049222.D
 Acq: 14 Jun 2018 12:50

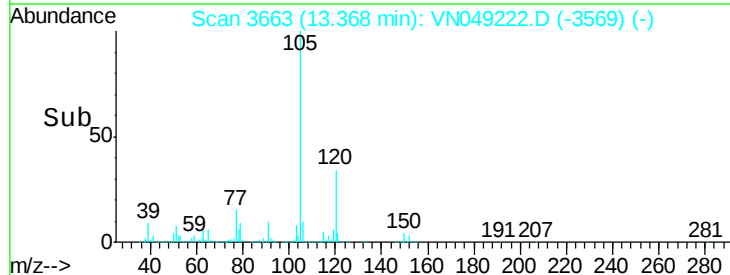
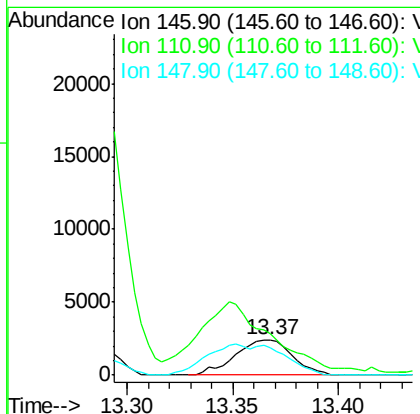
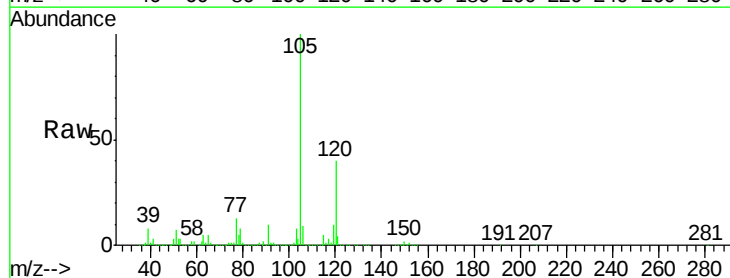
Instrument :
 MSVOA_N
 ClientSampled :

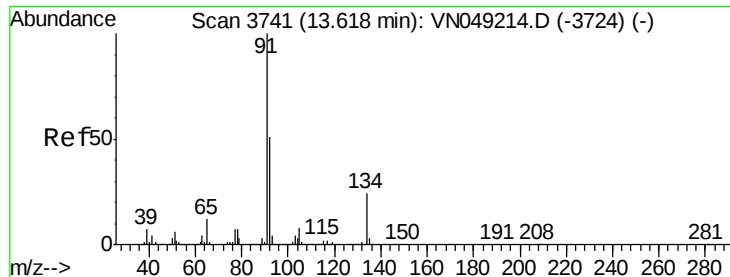
Tot Ion:119 Resp: 175934
 Ion Ratio Lower Upper
 119 100
 134 25.5 12.9 38.6
 91 0.0 12.1 36.3#



#88
 1,4-Dichlorobenzene
 Concen: 0.201 ug/l
 RT: 13.37 min Scan# 3663
 Delta R.T. 0.00 min
 Lab File: VN049222.D
 Acq: 14 Jun 2018 12:50

Tgt Ion:146 Resp: 4545
 Ion Ratio Lower Upper
 146 100
 111 245.5 19.1 57.1#
 148 66.7 32.0 96.2

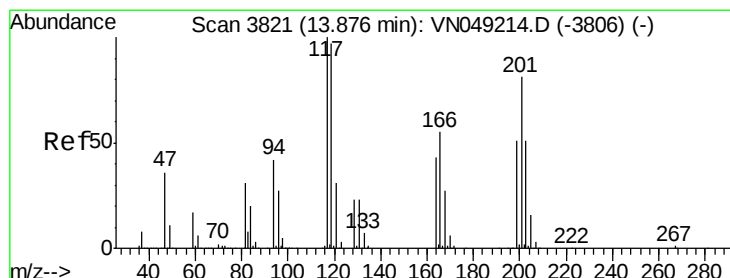
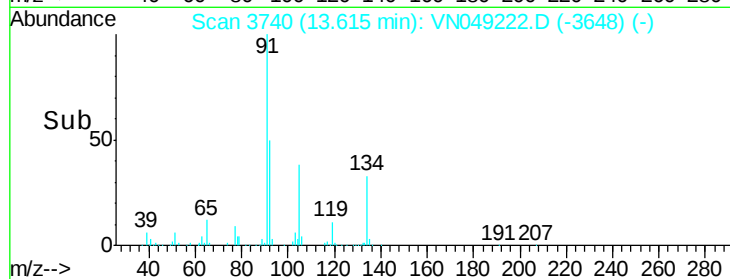
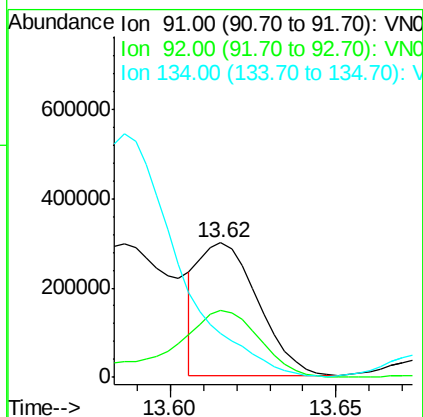
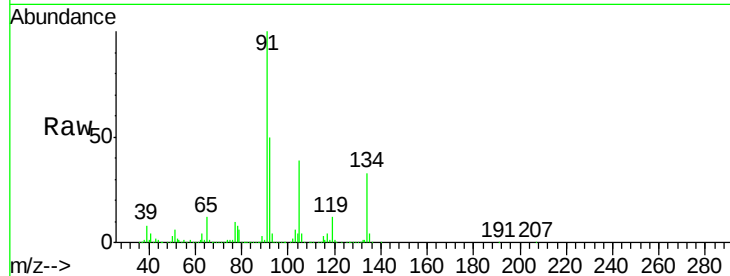




#89
n-Butylbenzene
Concen: 11.223 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN049222.D
Acq: 14 Jun 2018 12:50

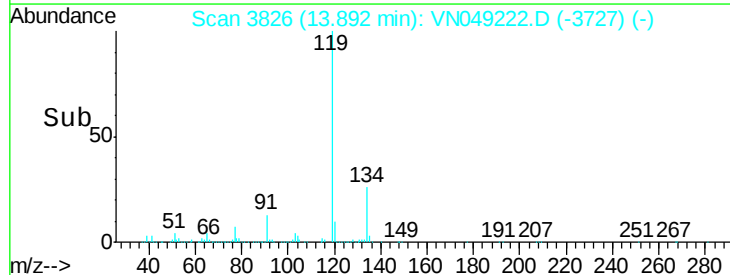
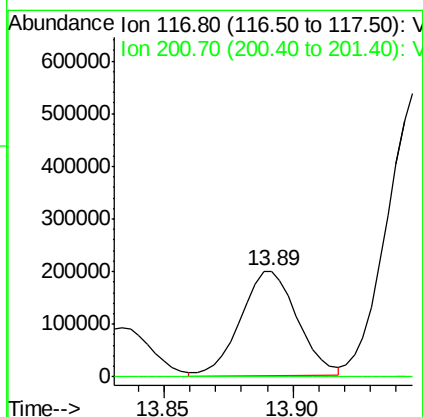
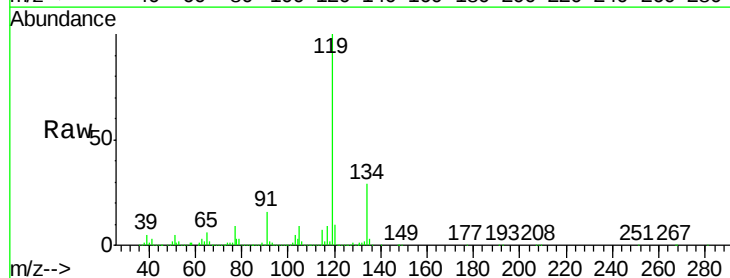
Instrument :
MSVOA_N
ClientSampleId :

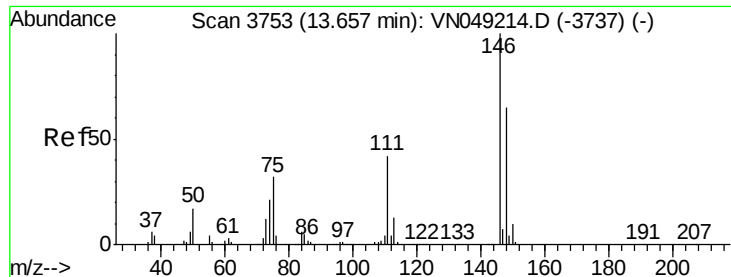
Tot Ion: 91 Resp: 365596
Ion Ratio Lower Upper
91 100
92 76.9 25.1 75.4#
134 0.0 12.0 36.0#



#90
Hexachloroethane
Concen: 35.669 ug/l
RT: 13.89 min Scan# 3826
Delta R.T. 0.02 min
Lab File: VN049222.D
Acq: 14 Jun 2018 12:50

Tgt Ion: 117 Resp: 305963
Ion Ratio Lower Upper
117 100
201 0.0 40.1 120.2#





#91

1,2-Dichlorobenzene

Concen: 0.509 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. -0.00 min

Lab File: VN049222.D

Acq: 14 Jun 2018 12:50

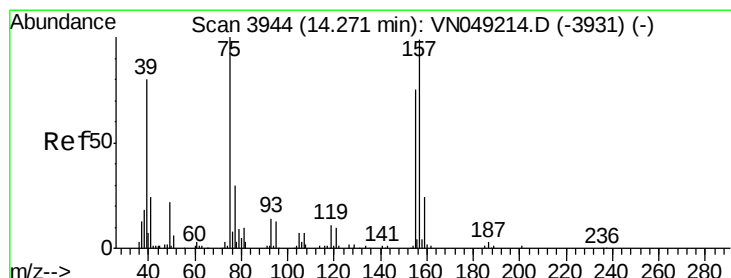
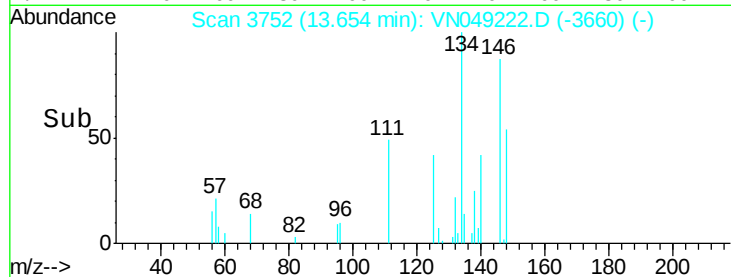
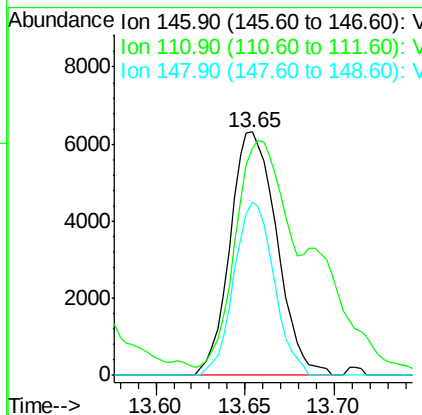
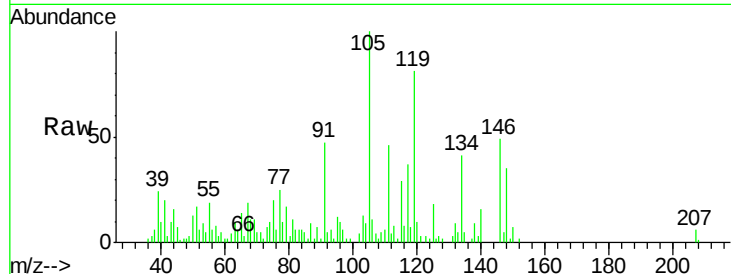
Instrument :

MSVOA_N

ClientSampled :

Tot Ion:146 Resp: 11506

Ion	Ratio	Lower	Upper
146	100		
111	105.5	20.8	62.2#
148	60.9	32.0	96.2



#92

1,2-Dibromo-3-Chloropropane

Concen: 10.037 ug/l

RT: 14.25 min Scan# 3937

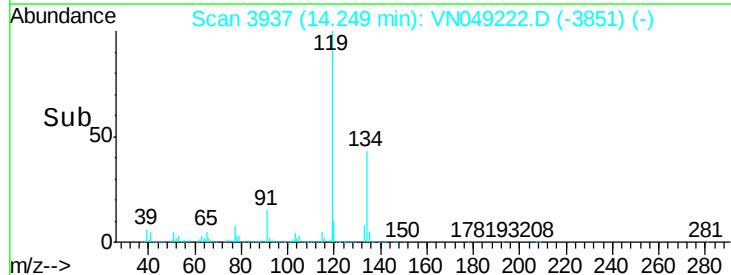
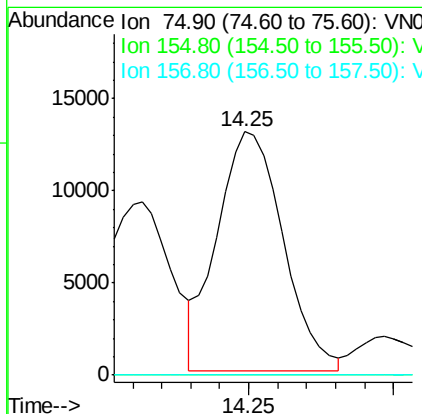
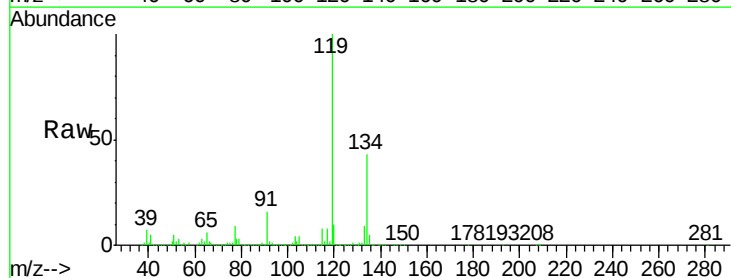
Delta R.T. -0.02 min

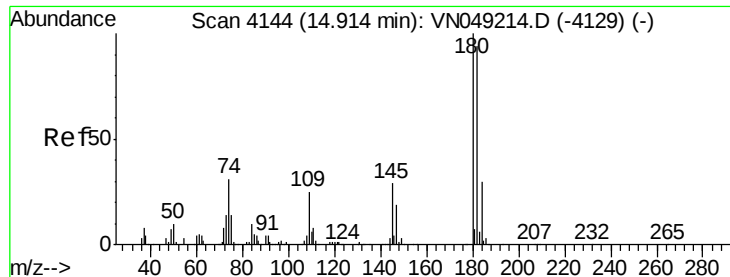
Lab File: VN049222.D

Acq: 14 Jun 2018 12:50

Tgt Ion: 75 Resp: 20494

Ion	Ratio	Lower	Upper
75	100		
155	0.0	38.8	116.3#
157	0.0	51.0	153.1#

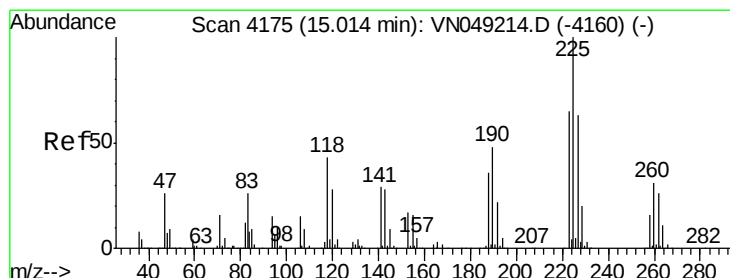
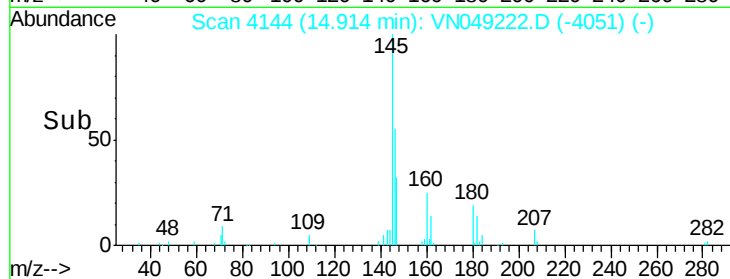
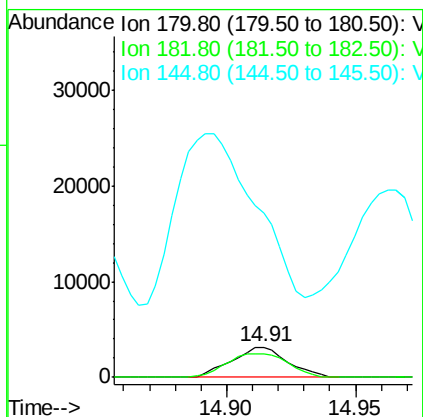
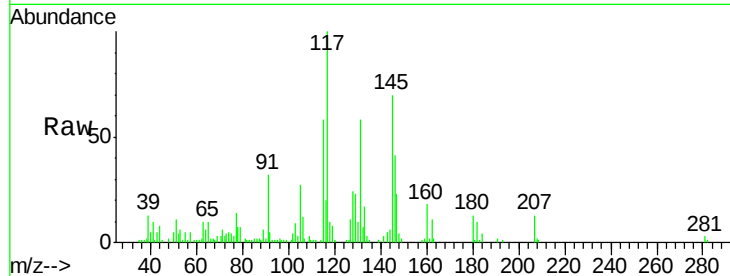




#93
 1,2,4-Trichlorobenzene
 Concen: 4.828 ug/l
 RT: 14.91 min Scan# 4144
 Delta R.T. 0.00 min
 Lab File: VN049222.D
 Acq: 14 Jun 2018 12:50

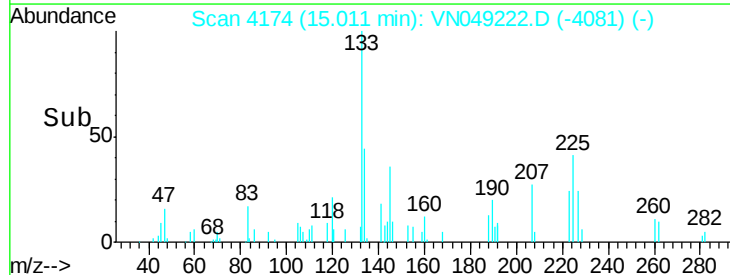
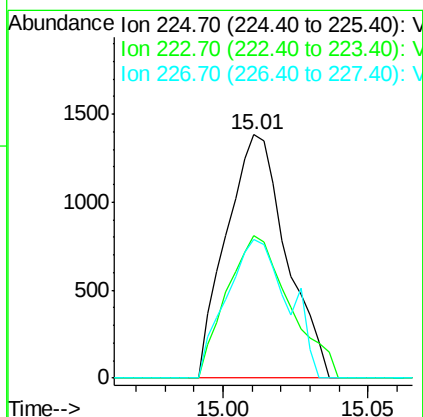
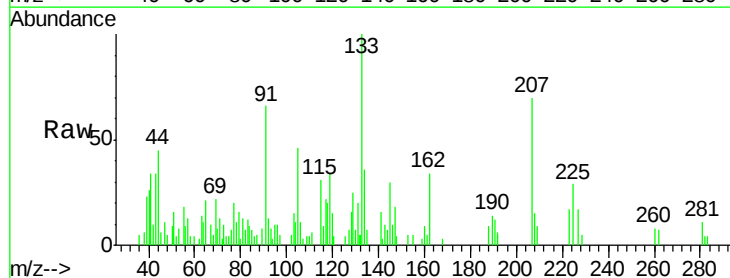
Instrument :
 MSVOA_N
 ClientSampleId :

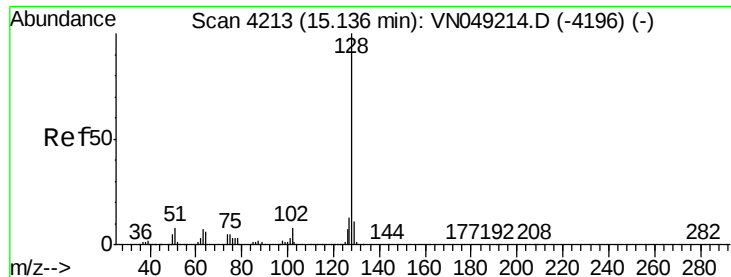
Tot Ion:180 Resp: 4736
 Ion Ratio Lower Upper
 180 100
 182 86.7 46.9 140.8
 145 0.0 14.7 44.1#



#94
 Hexachlorobutadiene
 Concen: 0.291 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN049222.D
 Acq: 14 Jun 2018 12:50

Tgt Ion:225 Resp: 1986
 Ion Ratio Lower Upper
 225 100
 223 61.3 32.1 96.3
 227 58.3 31.8 95.3





#95

Naphthalene

Concen: 296.888 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049222.D

Acq: 14 Jun 2018 12:50

Instrument :

MSVOA_N

ClientSampled :

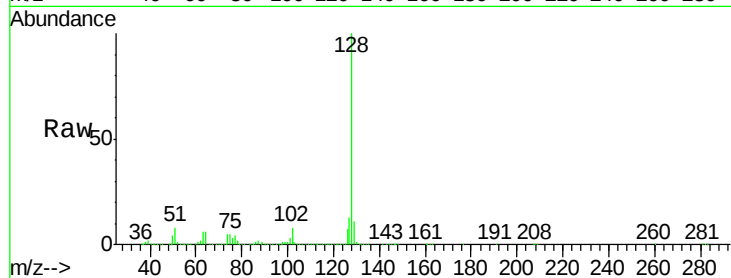
Tot Ion:128 Resp: 6937113

Ion Ratio Lower Upper

128 100

127 12.9 10.6 16.0

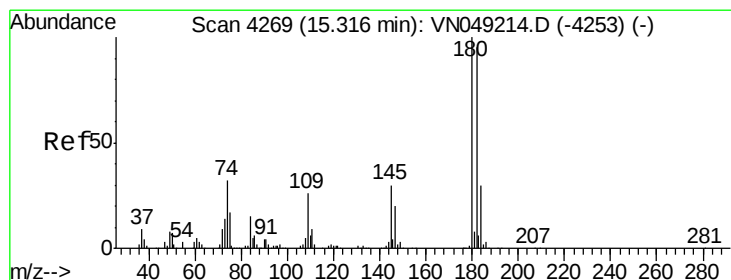
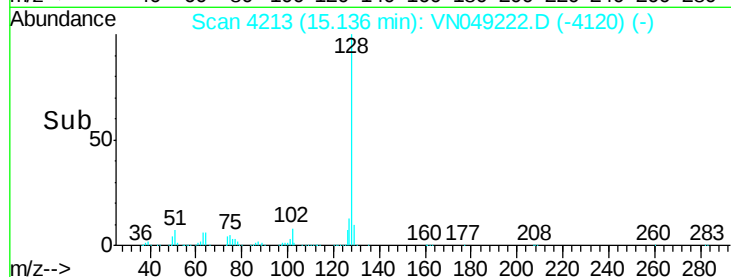
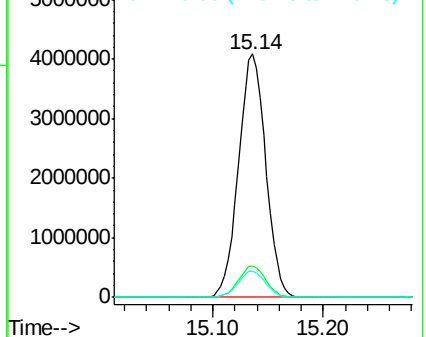
129 10.8 8.5 12.7



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: 0.396 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. 0.00 min

Lab File: VN049222.D

Acq: 14 Jun 2018 12:50

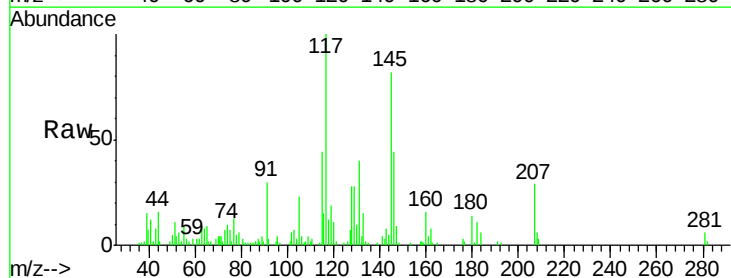
Tgt Ion:180 Resp: 3533

Ion Ratio Lower Upper

180 100

182 98.4 47.3 141.8

145 0.0 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

