

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061418\
 Data File : VN049228.D
 Acq On : 14 Jun 2018 15:24
 Operator : MD\SY
 Sample : J3435-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 15 04:03:51 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	670638	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1196011	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1278946	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	531319	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	421239	38.90	ug/l	0.00
Spiked Amount			Recovery	=	77.80%	
35) Dibromofluoromethane	7.59	113	373746	37.76	ug/l	0.00
Spiked Amount			Recovery	=	75.52%	
50) Toluene-d8	10.09	98	1532317	39.79	ug/l	0.00
Spiked Amount			Recovery	=	79.58%	
62) 4-Bromofluorobenzene	12.40	95	605615	47.38	ug/l	0.00
Spiked Amount			Recovery	=	94.76%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.05	50	1979	0.20	ug/l	89
13) Acrolein	3.56	56	7403	9.21	ug/l #	1
14) Allyl chloride	4.42	41	46261	2.94	ug/l #	76
15) Acrylonitrile	5.06	53	32391	10.20	ug/l #	41
16) Acetone	3.80	43	136322	52.69	ug/l #	60
17) Carbon Disulfide	4.05	76	6546	0.23	ug/l #	77
18) Methyl Acetate	4.34	43	14731	Below Cal		99
20) Methylene Chloride	4.52	84	2633	0.25	ug/l #	1
23) Vinyl Acetate	5.85	43	4154	0.20	ug/l #	75
25) 2-Butanone	6.84	43	23715	6.40	ug/l #	88
26) 2,2-Dichloropropane	6.63	77	16547	1.18	ug/l #	54
30) Chloroform	7.33	83	10493	0.58	ug/l #	18
31) Cyclohexane	7.65	56	728662	45.20	ug/l	98
36) 1,1-Dichloropropene	7.67	75	50698	3.39	ug/l #	73
37) Ethyl Acetate	6.84	43	23715	2.51	ug/l #	71
38) Carbon Tetrachloride	7.67	117	66203	4.40	ug/l #	17
39) Methylcyclohexane	9.08	83	257977	16.71	ug/l	97
40) Benzene	8.05	78	237927	5.26	ug/l	99
43) Isopropyl Acetate	8.15	43	39312	2.27	ug/l #	64
47) Bromodichloromethane	9.38	83	3310	0.21	ug/l #	26
48) Methyl methacrylate	9.27	41	24903	2.94	ug/l #	47
49) 1,4-Dioxane	9.22	88	108	1.08	ug/l #	1
52) Toluene	10.16	92	645877	24.52	ug/l	98
53) t-1,3-Dichloropropene	10.16	75	7666	0.52	ug/l #	1
55) 1,1,2-Trichloroethane	10.53	97	32183	3.33	ug/l #	18
56) Ethyl methacrylate	10.43	69	6185	0.53	ug/l #	48
58) 2-Chloroethyl Vinyl ether	9.70	63	108	13.21	ug/l #	51
59) 2-Hexanone	10.77	43	1513	0.26	ug/l	100
67) Ethyl Benzene	11.51	91	6920961	121.59	ug/l	99
68) m/p-Xylenes	11.62	106	4367903	209.85	ug/l	100
69) o-Xylene	11.95	106	1495281	74.60	ug/l	99
70) Styrene	11.95	104	78713	2.48	ug/l #	1
71) Bromoform	12.40	173	4263	0.54	ug/l #	1
73) Isopropylbenzene	12.25	105	630745	12.36	ug/l	97

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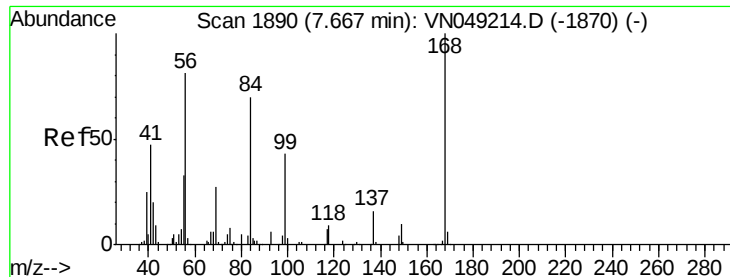
Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 15 04:03:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061318W.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

75) 1,1,2,2-Tetrachloroethane	12.49	83	129	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.66	75	19040	Below Cal	#	100
77) Bromobenzene	12.53	156	227	Below Cal	#	1
78) n-propylbenzene	12.59	91	1362781	24.04	ug/l	100
79) 2-Chlorotoluene	12.66	91	276270	7.73	ug/l #	42
80) 1,3,5-Trimethylbenzene	12.73	105	943272	24.11	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.40	75	307523	96.70	ug/l #	9
82) 4-Chlorotoluene	12.73	91	93510	2.76	ug/l #	42
83) tert-Butylbenzene	13.04	119	552593	16.39	ug/l #	71
84) 1,2,4-Trimethylbenzene	13.04	105	4517120	116.14	ug/l	100
85) sec-Butylbenzene	13.04	105	4517120	100.52	ug/l #	57
86) p-Isopropyltoluene	13.24	119	75532	2.08	ug/l	96
89) n-Butylbenzene	13.62	91	69404	3.67	ug/l #	62
90) Hexachloroethane	13.89	117	49601	5.19	ug/l #	9
92) 1,2-Dibromo-3-Chloropropan	14.25	75	2640	1.49	ug/l #	4
93) 1,2,4-Trichlorobenzene	14.91	180	1343	4.53	ug/l #	82
95) Naphthalene	15.14	128	909681	49.38	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049228.D

Acq: 14 Jun 2018 15:24

Instrument :

MSVOA_N

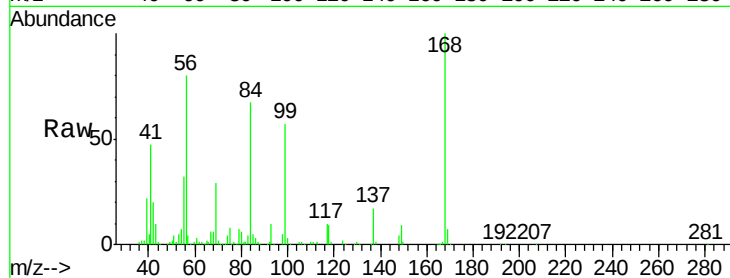
ClientSampled :

Tot Ion:168 Resp: 670638

Ion Ratio Lower Upper

168 100

99 56.9 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

250000

200000

150000

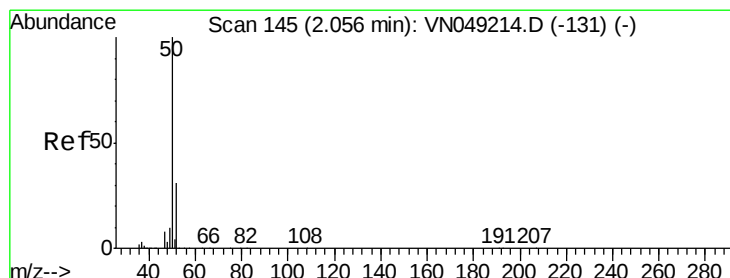
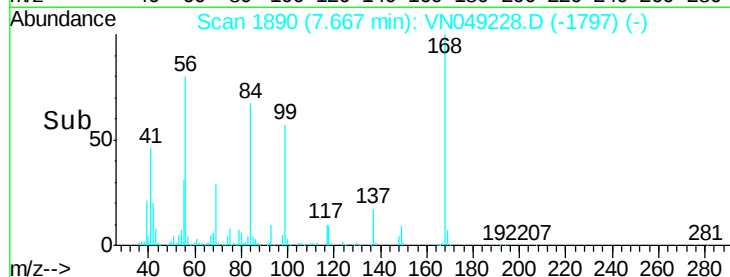
100000

50000

0

Time-->

7.60 7.70 7.80



#3

Chloromethane

Concen: 0.20 ug/l

RT: 2.05 min Scan# 144

Delta R.T. -0.00 min

Lab File: VN049228.D

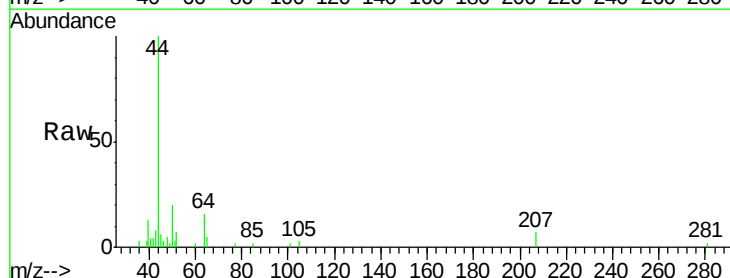
Acq: 14 Jun 2018 15:24

Tgt Ion: 50 Resp: 1979

Ion Ratio Lower Upper

50 100

52 25.2 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.05

1500

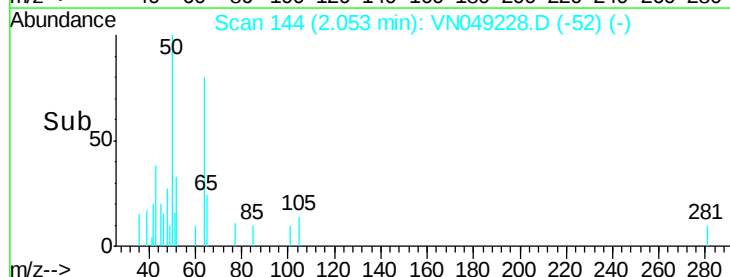
1000

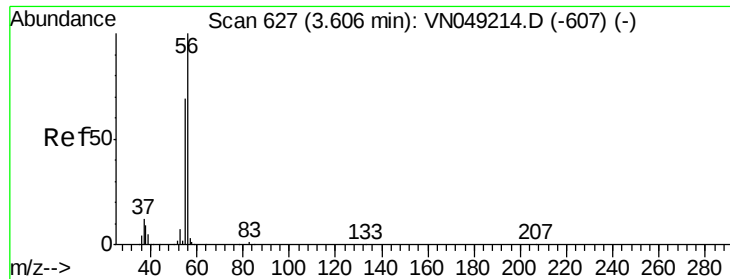
500

0

Time-->

2.05 2.10





#13

Acrolein

Concen: 9.21 ug/l

RT: 3.56 min Scan# 613

Delta R.T. -0.04 min

Lab File: VN049228.D

Acq: 14 Jun 2018 15:24

Instrument :

MSVOA_N

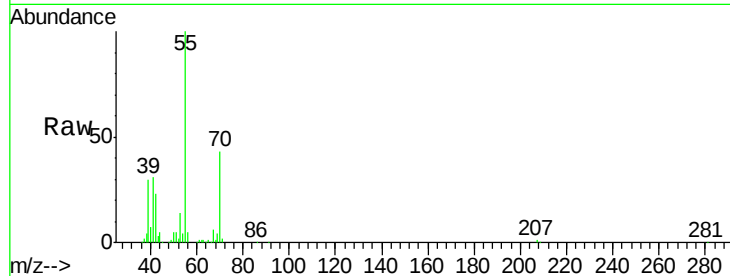
ClientSampleId :

Tot Ion: 56 Resp: 7403

Ion Ratio Lower Upper

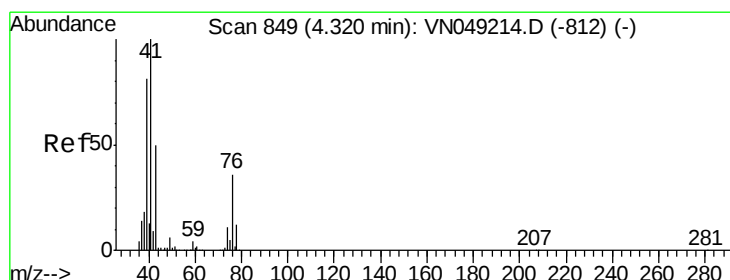
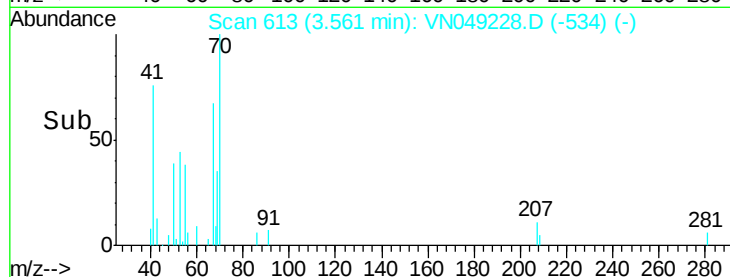
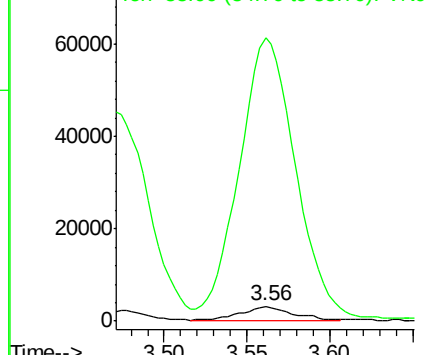
56 100

55 1938.2 57.1 85.7#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 2.94 ug/l

RT: 4.42 min Scan# 881

Delta R.T. 0.10 min

Lab File: VN049228.D

Acq: 14 Jun 2018 15:24

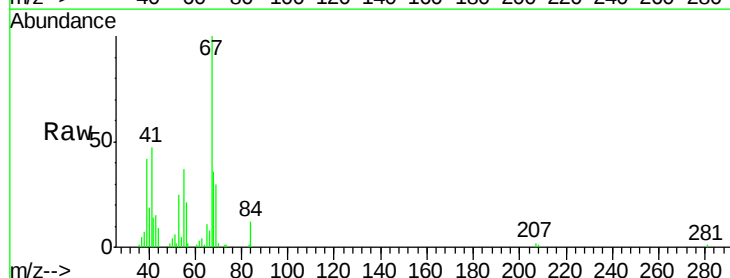
Tgt Ion: 41 Resp: 46261

Ion Ratio Lower Upper

41 100

39 85.3 62.5 93.7

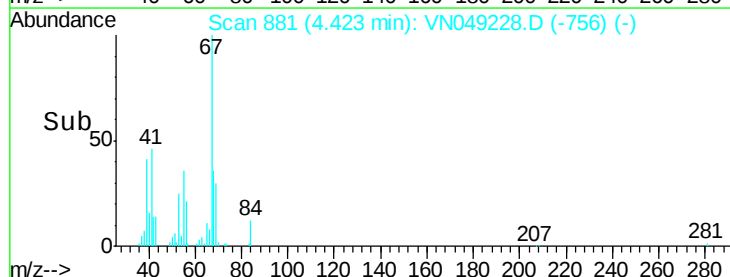
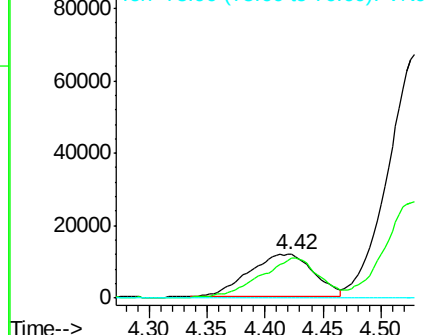
76 0.0 27.1 40.7#

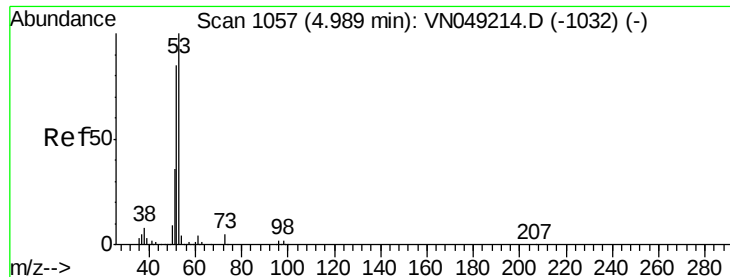


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

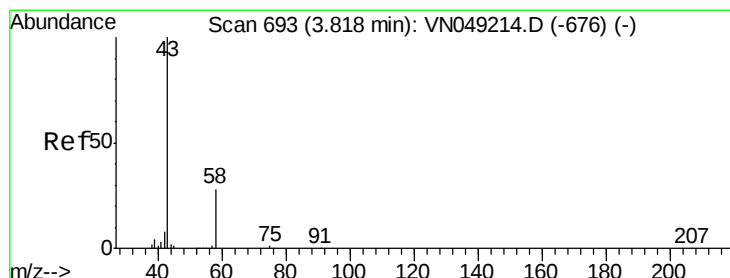
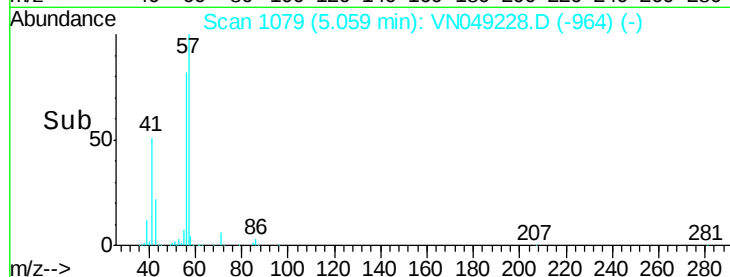
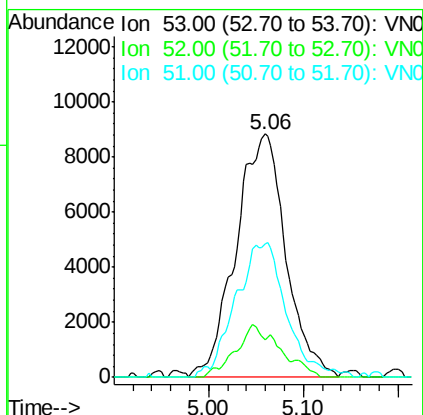
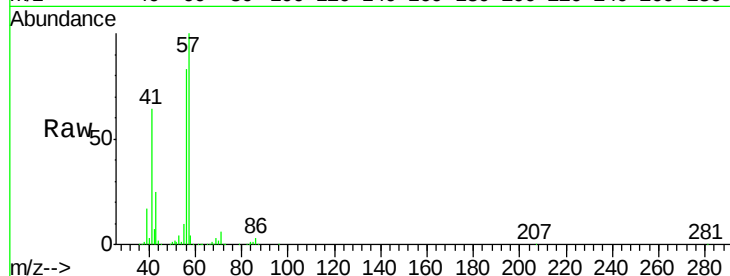




#15
 Acrylonitrile
 Concen: 10.20 ug/l
 RT: 5.06 min Scan# 1079
 Delta R.T. 0.07 min
 Lab File: VN049228.D
 Acq: 14 Jun 2018 15:24

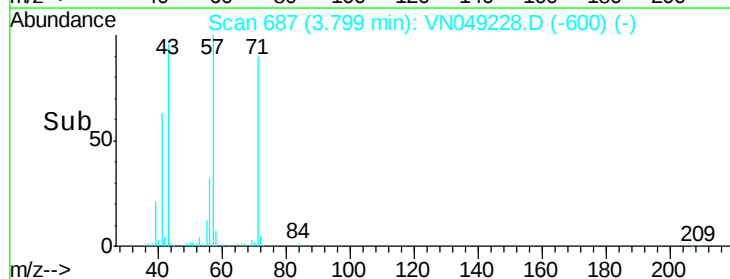
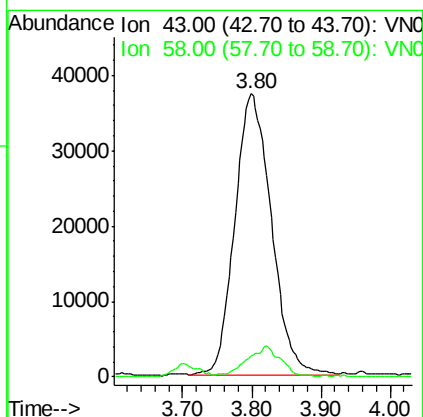
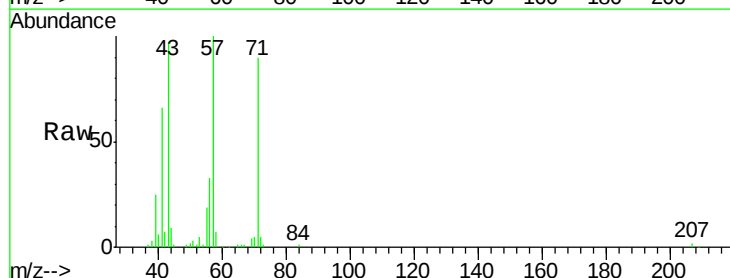
Instrument :
 MSVOA_N
 ClientSampleId :

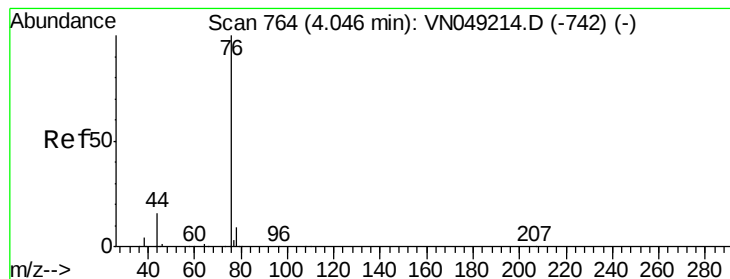
Tot Ion: 53 Resp: 32391
 Ion Ratio Lower Upper
 53 100
 52 11.7 66.6 100.0#
 51 30.1 29.8 44.8



#16
 Acetone
 Concen: 52.69 ug/l
 RT: 3.80 min Scan# 687
 Delta R.T. -0.02 min
 Lab File: VN049228.D
 Acq: 14 Jun 2018 15:24

Tgt Ion: 43 Resp: 136322
 Ion Ratio Lower Upper
 43 100
 58 6.9 22.4 33.6#





#17

Carbon Disulfide

Concen: 0.23 ug/l

RT: 4.05 min Scan# 766

Delta R.T. 0.01 min

Lab File: VN049228.D

Acq: 14 Jun 2018 15:24

Instrument :

MSVOA_N

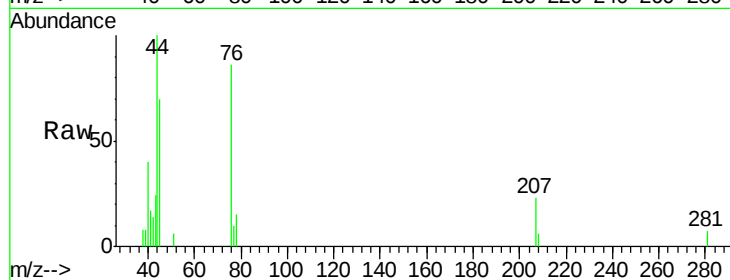
ClientSampled :

Tot Ion: 76 Resp: 6546

Ion Ratio Lower Upper

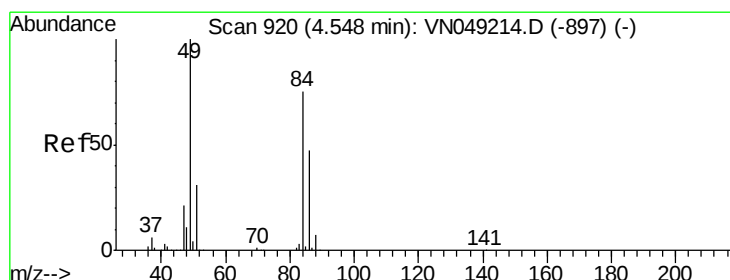
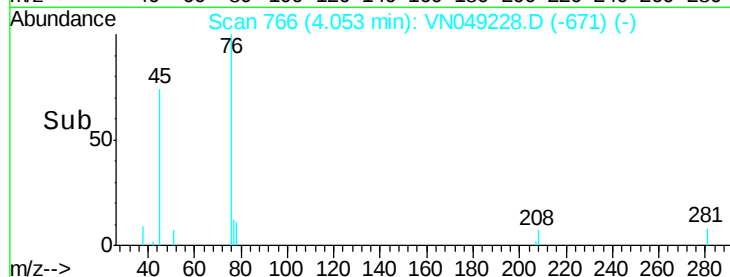
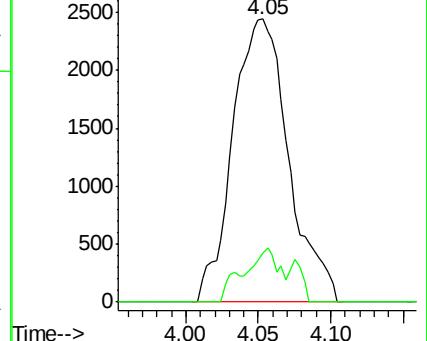
76 100

78 17.5 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VN049228.D (-671) (-)

Ion 77.90 (77.60 to 78.60): VN049228.D (-671) (-)



#20

Methylene Chloride

Concen: 0.25 ug/l

RT: 4.52 min Scan# 910

Delta R.T. -0.03 min

Lab File: VN049228.D

Acq: 14 Jun 2018 15:24

Tgt Ion: 84 Resp: 2633

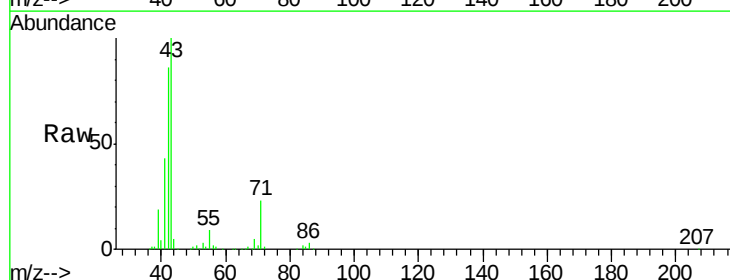
Ion Ratio Lower Upper

84 100

49 10.9 106.9 160.3#

51 89.4 32.7 49.1#

86 202.0 49.8 74.8#

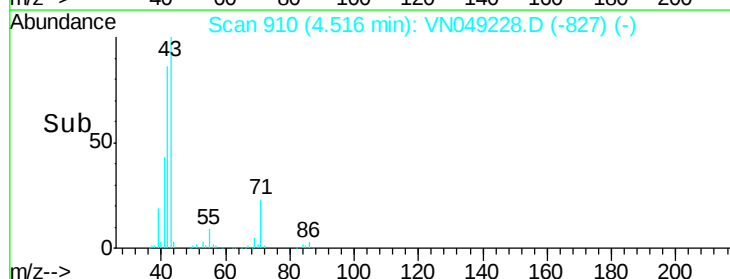
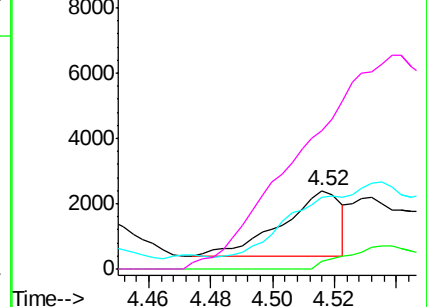


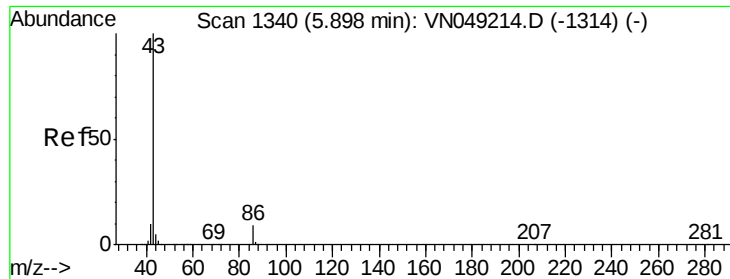
Abundance Ion 83.90 (83.60 to 84.60): VN049228.D (-827) (-)

Ion 48.90 (48.60 to 49.60): VN049228.D (-827) (-)

Ion 50.90 (50.60 to 51.60): VN049228.D (-827) (-)

Ion 85.90 (85.60 to 86.60): VN049228.D (-827) (-)

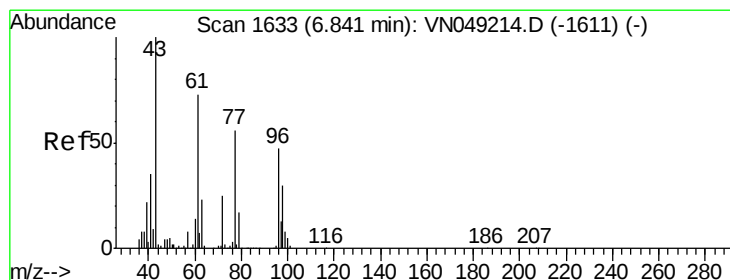
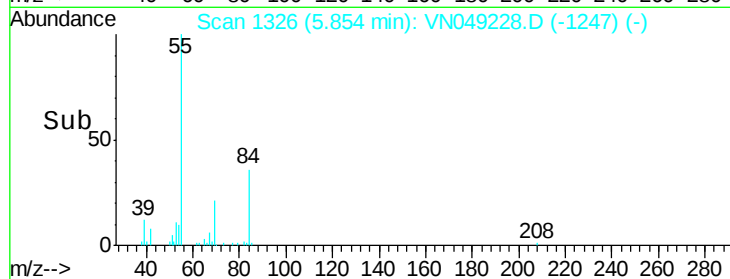
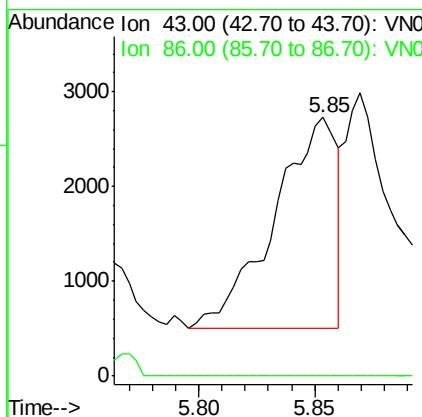
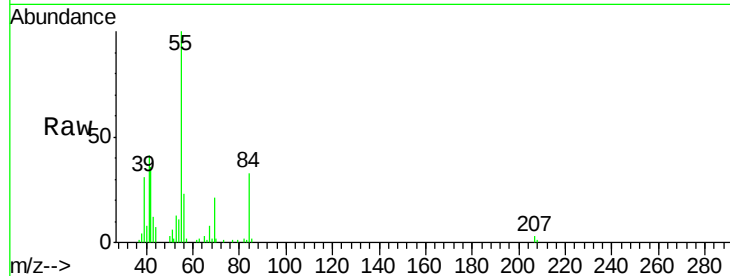




#23
 Vinyl Acetate
 Concen: 0.20 ug/l
 RT: 5.85 min Scan# 1326
 Delta R.T. -0.04 min
 Lab File: VN049228.D
 Acq: 14 Jun 2018 15:24

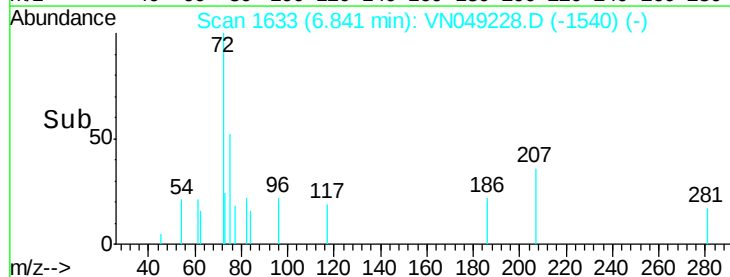
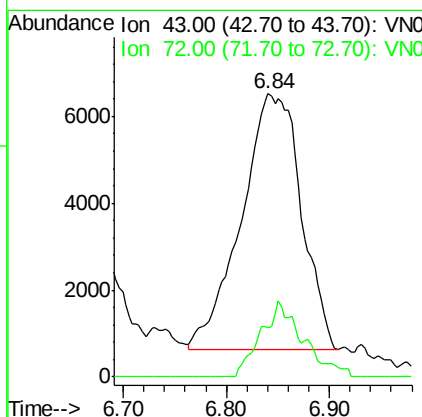
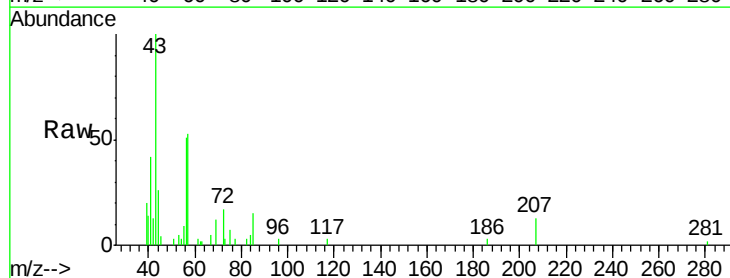
Instrument :
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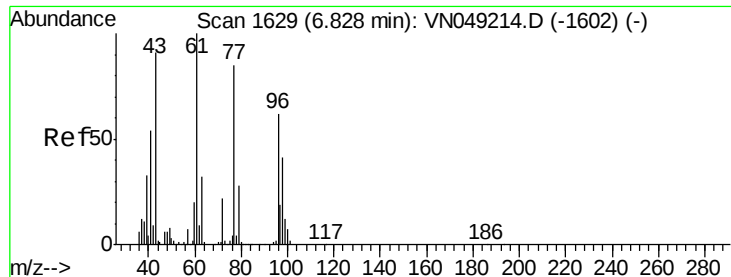
Tot Ion: 43 Resp: 4154
 Ion Ratio Lower Upper
 43 100
 86 0.0 7.2 10.8#



#25
 2-Butanone
 Concen: 6.40 ug/l
 RT: 6.84 min Scan# 1633
 Delta R.T. 0.00 min
 Lab File: VN049228.D
 Acq: 14 Jun 2018 15:24

Tgt Ion: 43 Resp: 23715
 Ion Ratio Lower Upper
 43 100
 72 19.2 20.2 30.2#





#26

2,2-Dichloropropane

Concen: 1.18 ug/l

RT: 6.63 min Scan# 1566

Delta R.T. -0.20 min

Lab File: VN049228.D

Acq: 14 Jun 2018 15:24

Instrument :

MSVOA_N

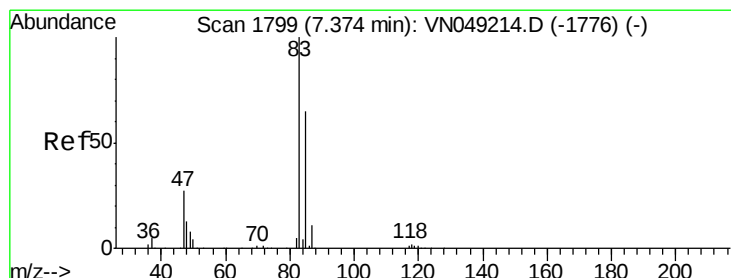
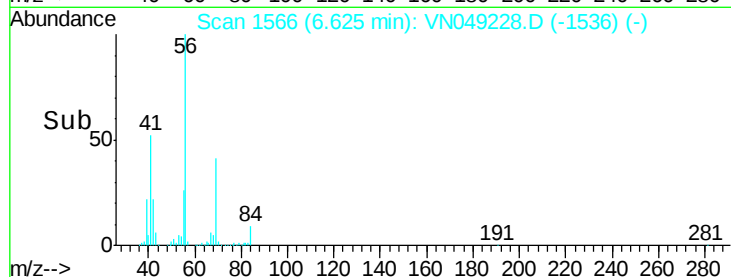
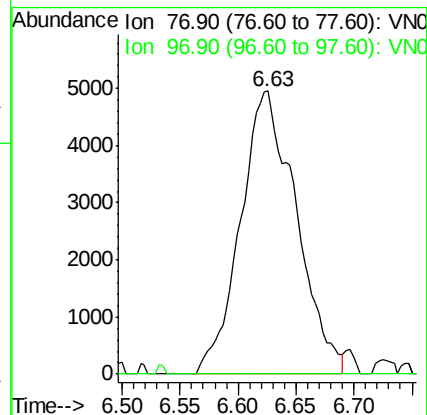
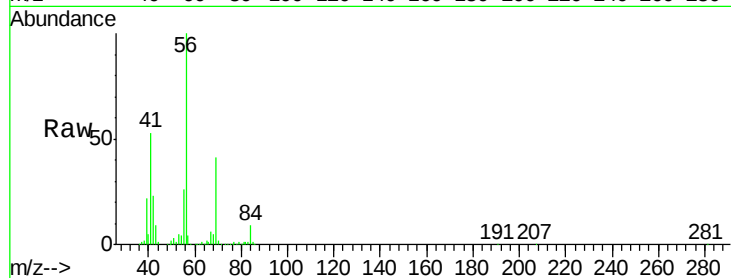
ClientSampled :

Tot Ion: 77 Resp: 16547

Ion Ratio Lower Upper

77 100

97 0.0 11.0 33.0#



#30

Chloroform

Concen: 0.58 ug/l

RT: 7.33 min Scan# 1785

Delta R.T. -0.04 min

Lab File: VN049228.D

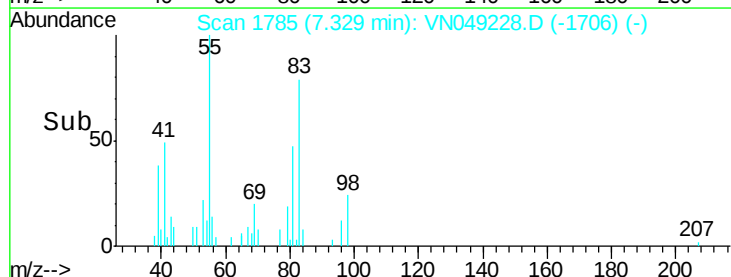
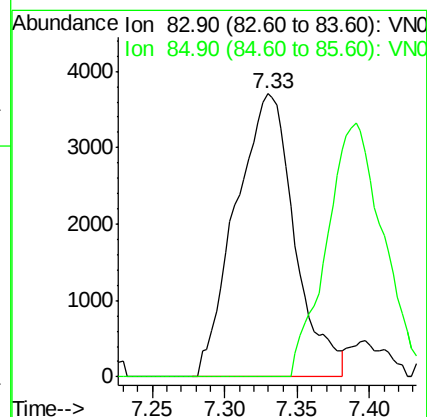
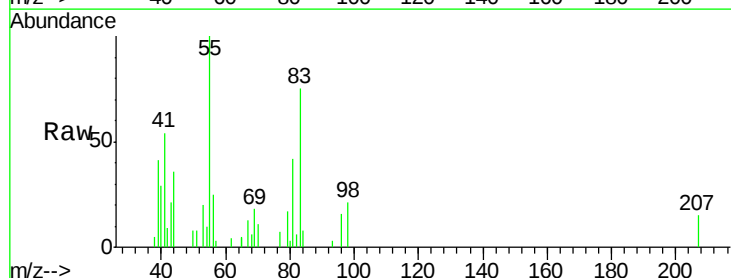
Acq: 14 Jun 2018 15:24

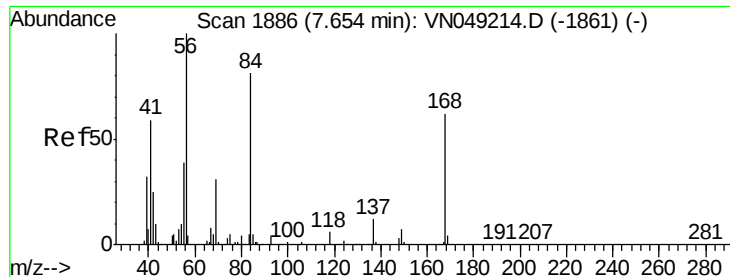
Tgt Ion: 83 Resp: 10493

Ion Ratio Lower Upper

83 100

85 0.0 51.7 77.5#

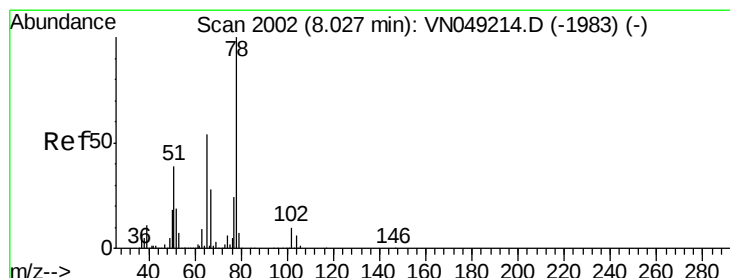
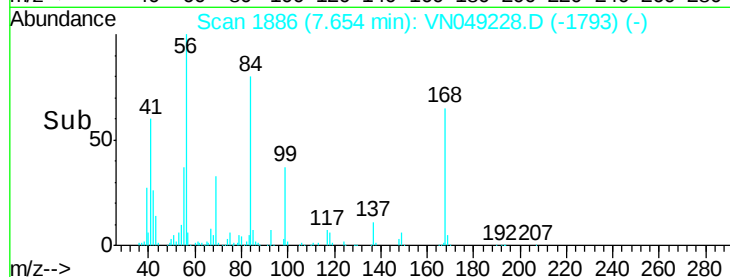
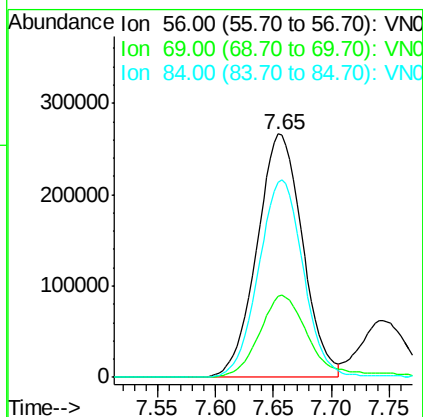
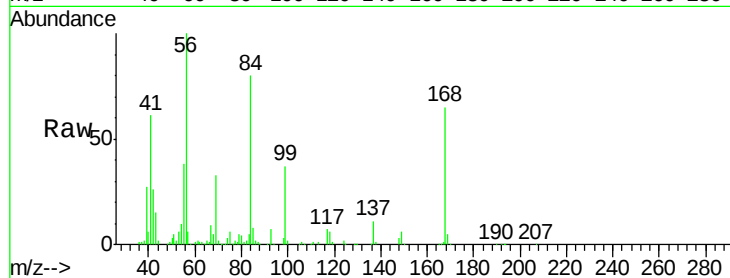




#31
Cyclohexane
Concen: 45.20 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VN049228.D
Acq: 14 Jun 2018 15:24

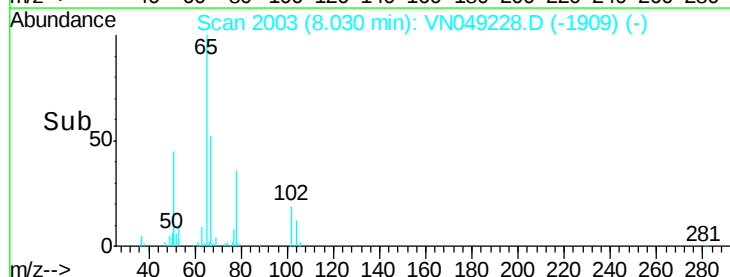
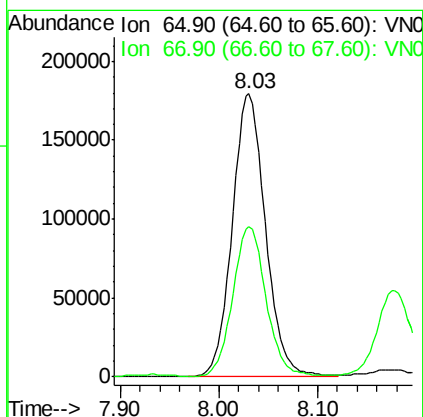
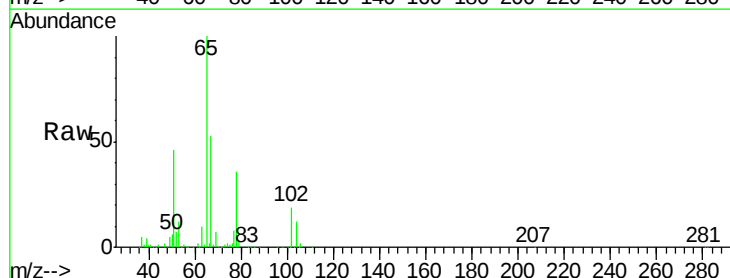
Instrument :
MSVOA_N
ClientSampleId :

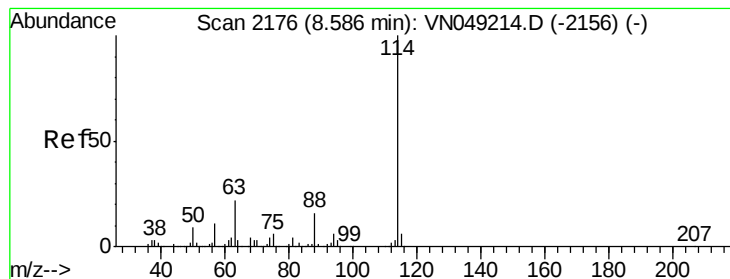
Tot Ion: 56 Resp: 728662
Ion Ratio Lower Upper
56 100
69 33.0 25.0 37.4
84 80.0 64.6 96.8



#33
1,2-Dichloroethane-d4
Concen: 38.90 ug/l
RT: 8.03 min Scan# 2003
Delta R.T. 0.00 min
Lab File: VN049228.D
Acq: 14 Jun 2018 15:24

Tgt Ion: 65 Resp: 421239
Ion Ratio Lower Upper
65 100
67 52.5 0.0 103.8





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VN049228.D

Acq: 14 Jun 2018 15:24

Instrument :

MSVOA_N

ClientSampleId :

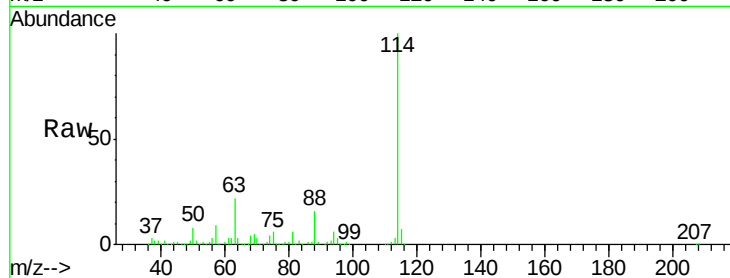
Tot Ion:114 Resp: 1196011

Ion Ratio Lower Upper

114 100

63 21.6 0.0 44.4

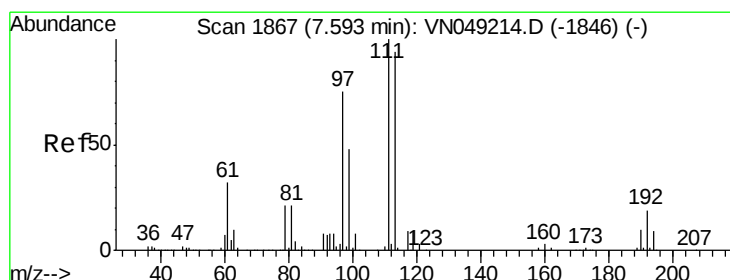
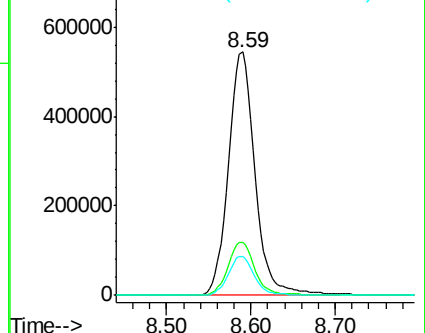
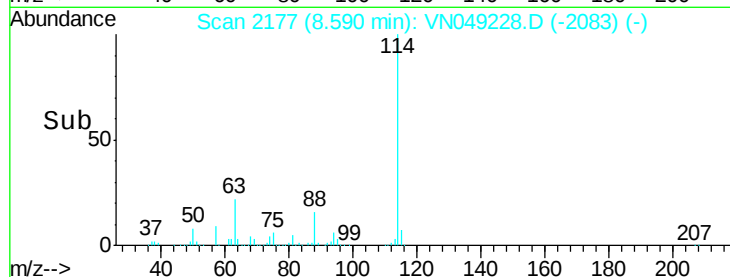
88 16.0 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0



#35

Dibromofluoromethane

Concen: 37.76 ug/l

RT: 7.59 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN049228.D

Acq: 14 Jun 2018 15:24

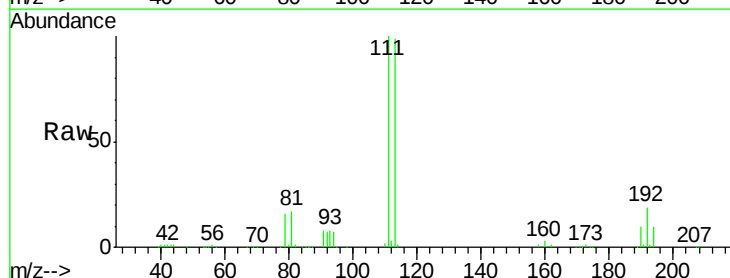
Tgt Ion:113 Resp: 373746

Ion Ratio Lower Upper

113 100

111 101.1 82.4 123.6

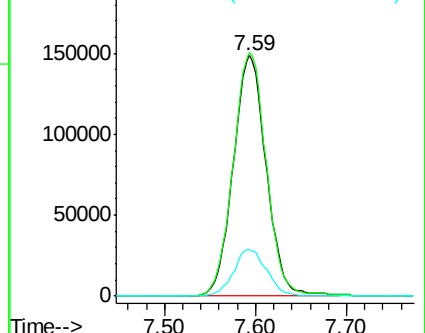
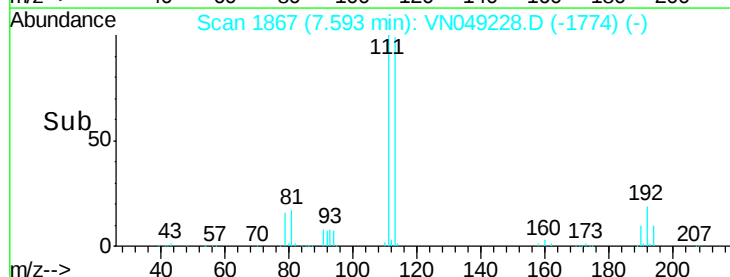
192 19.6 15.0 22.6

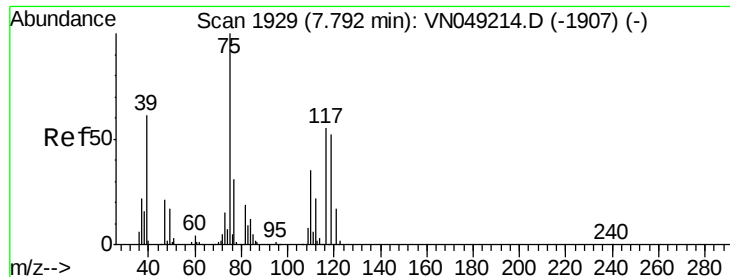


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 3.39 ug/l

RT: 7.67 min Scan# 1890

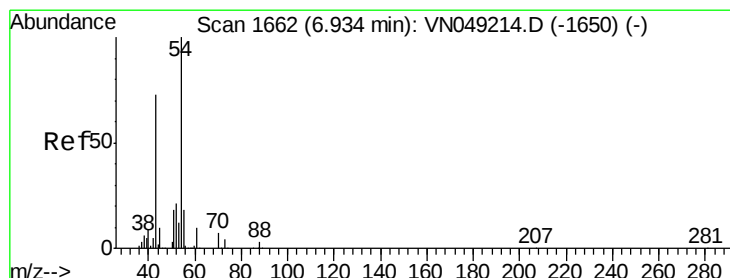
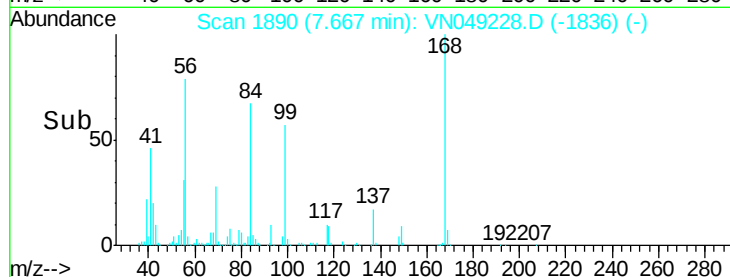
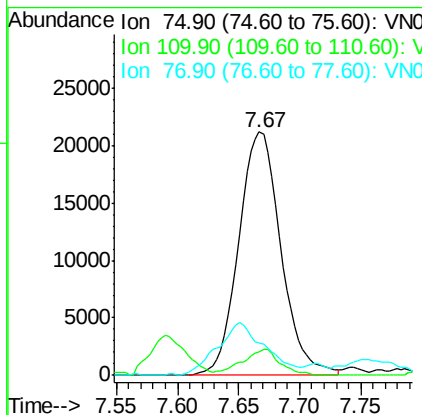
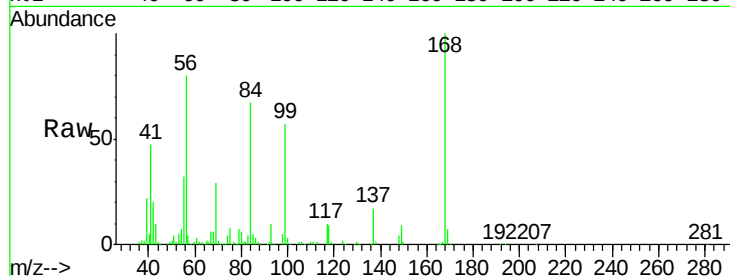
Delta R.T. -0.13 min

Lab File: VN049228.D

Acq: 14 Jun 2018 15:24

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	75	Resp:	50698
Ion	Ratio	Lower	Upper
75	100		
110	9.5	17.0	50.9#
77	25.0	24.4	36.6



#37

Ethyl Acetate

Concen: 2.51 ug/l

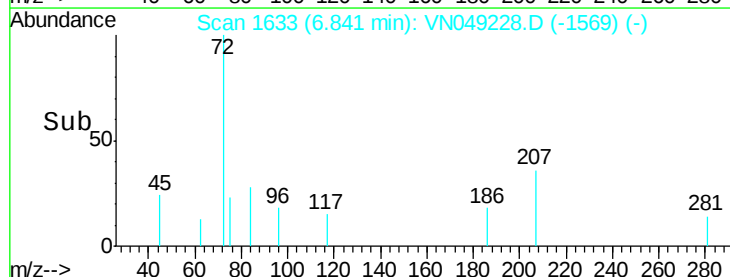
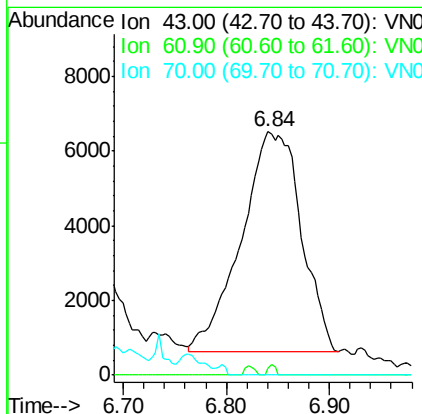
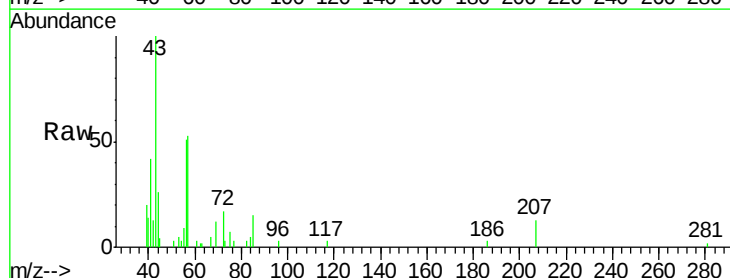
RT: 6.84 min Scan# 1633

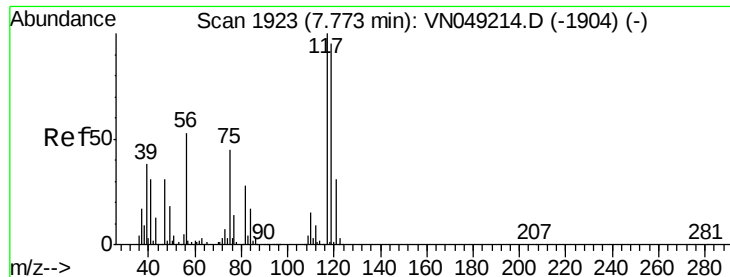
Delta R.T. -0.09 min

Lab File: VN049228.D

Acq: 14 Jun 2018 15:24

Tgt Ion:	43	Resp:	23715
Ion	Ratio	Lower	Upper
43	100		
61	0.6	11.0	16.4#
70	0.0	7.2	10.8#





#38

Carbon Tetrachloride

Concen: 4.40 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.11 min

Lab File: VN049228.D

Acq: 14 Jun 2018 15:24

Instrument :

MSVOA_N

ClientSampleId :

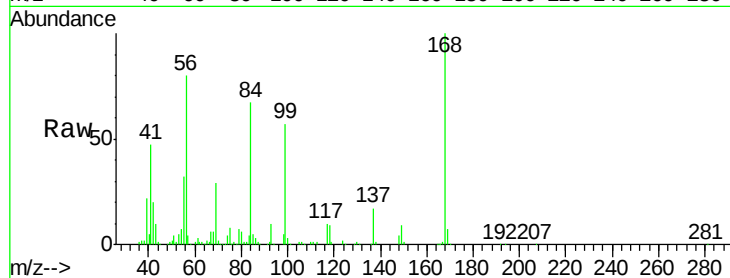
Tot Ion:117 Resp: 66203

Ion Ratio Lower Upper

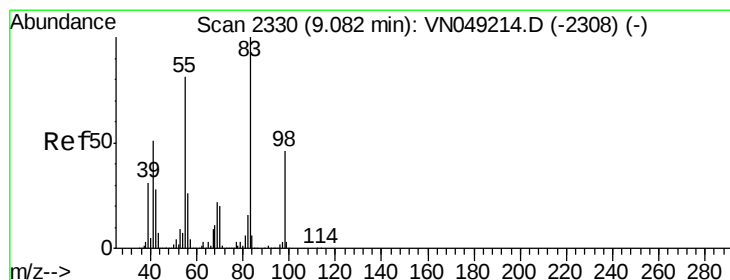
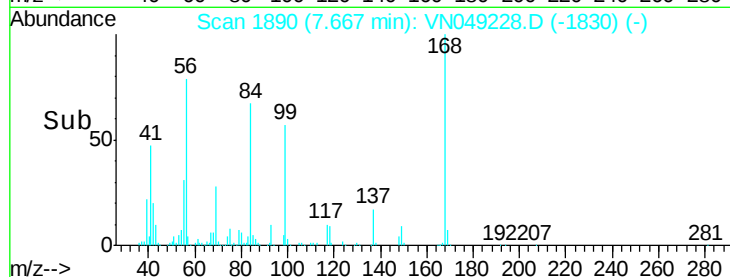
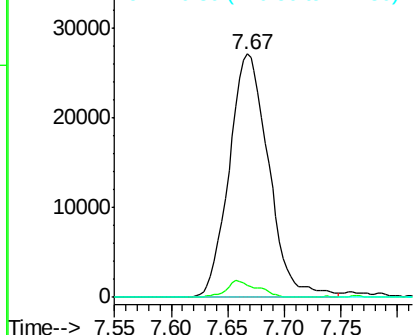
117 100

119 5.1 75.6 113.4#

121 0.0 24.7 37.1#



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 16.71 ug/l

RT: 9.08 min Scan# 2331

Delta R.T. 0.00 min

Lab File: VN049228.D

Acq: 14 Jun 2018 15:24

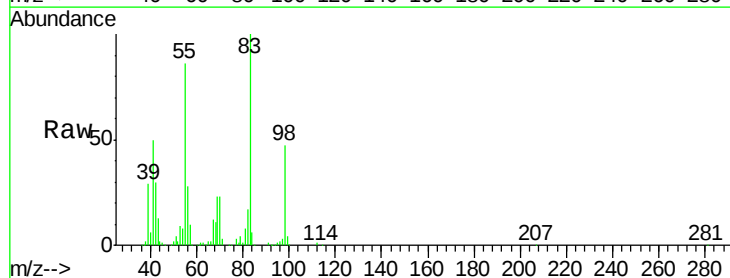
Tgt Ion: 83 Resp: 257977

Ion Ratio Lower Upper

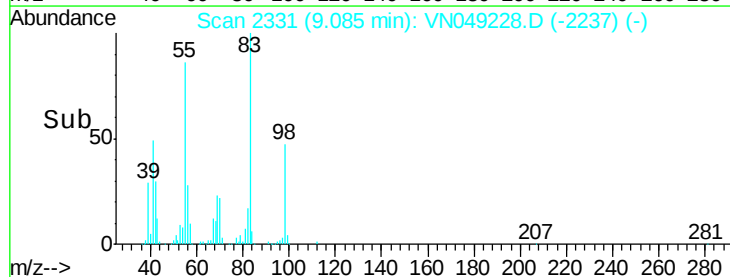
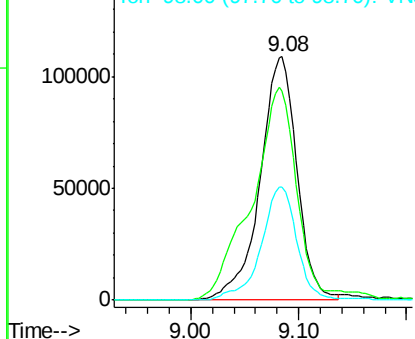
83 100

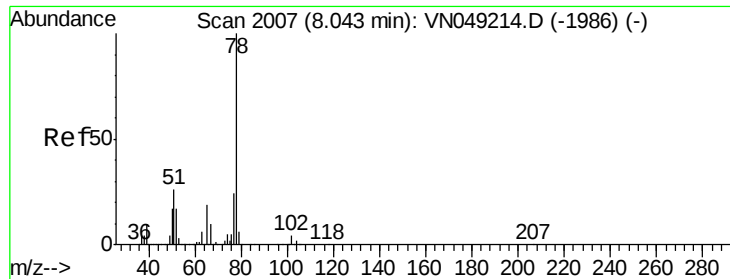
55 85.5 65.1 97.7

98 46.5 36.5 54.7



Abundance Ion 83.00 (82.70 to 83.70): V
Ion 55.00 (54.70 to 55.70): V
Ion 98.00 (97.70 to 98.70): V





#40

Benzene

Concen: 5.26 ug/l

RT: 8.05 min Scan# 2008

Delta R.T. 0.00 min

Lab File: VN049228.D

Acq: 14 Jun 2018 15:24

Instrument :

MSVOA_N

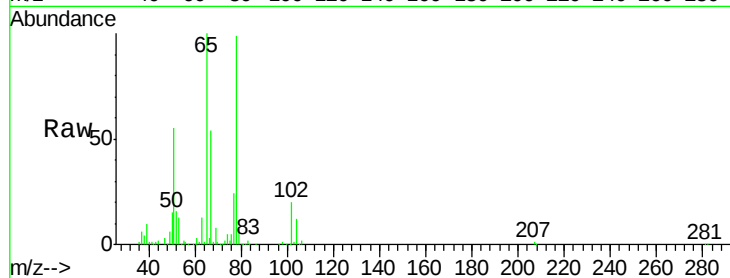
ClientSampled :

Tot Ion: 78 Resp: 237927

Ion Ratio Lower Upper

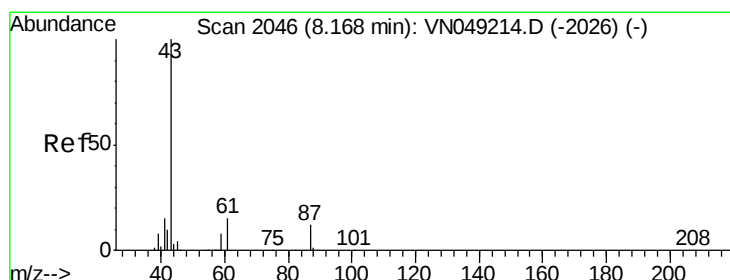
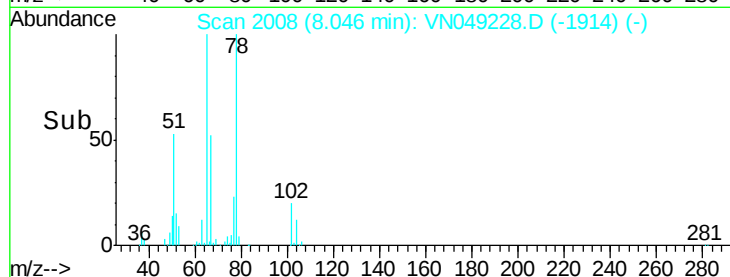
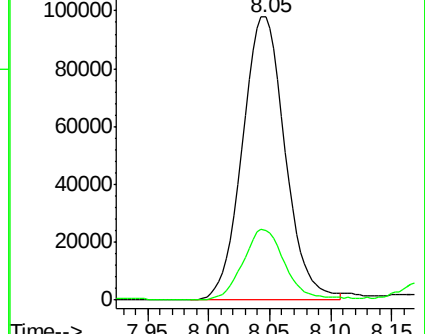
78 100

77 24.5 19.4 29.0



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



#43

Isopropyl Acetate

Concen: 2.27 ug/l

RT: 8.15 min Scan# 2040

Delta R.T. -0.02 min

Lab File: VN049228.D

Acq: 14 Jun 2018 15:24

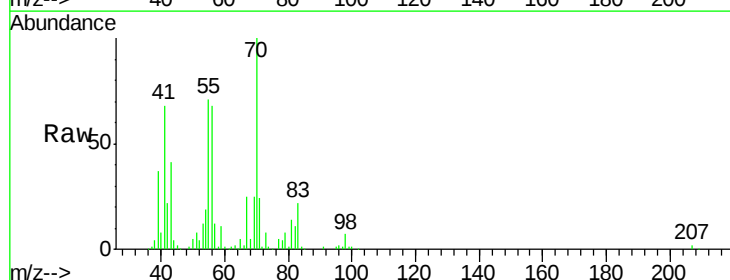
Tgt Ion: 43 Resp: 39312

Ion Ratio Lower Upper

43 100

61 0.0 14.2 21.4#

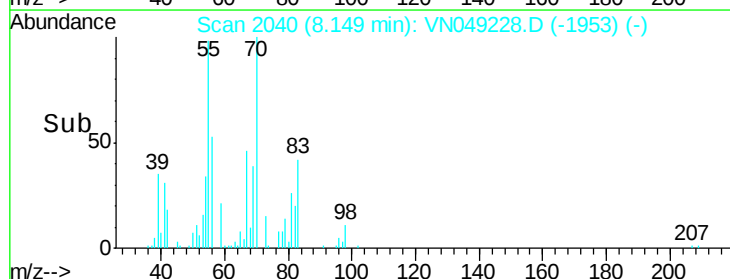
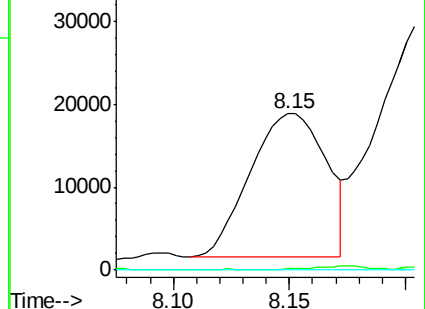
87 0.0 9.4 14.0#

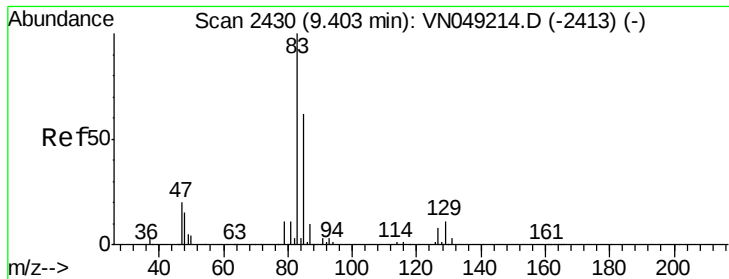


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#47

Bromodichloromethane

Concen: 0.21 ug/l

RT: 9.38 min Scan# 2422

Delta R.T. -0.03 min

Lab File: VN049228.D

Acq: 14 Jun 2018 15:24

Instrument :
MSVOA_N
ClientSampled :

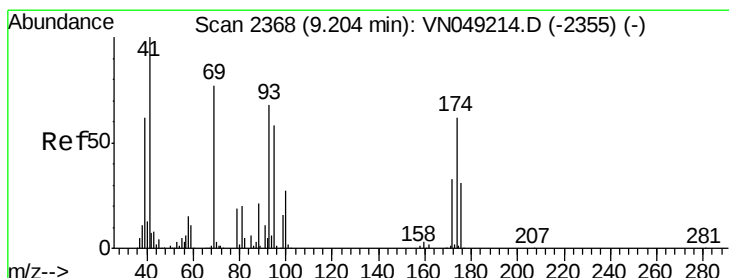
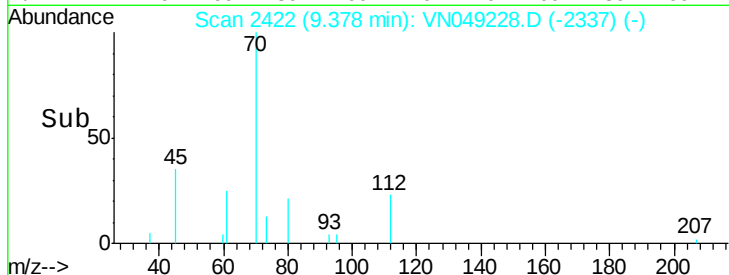
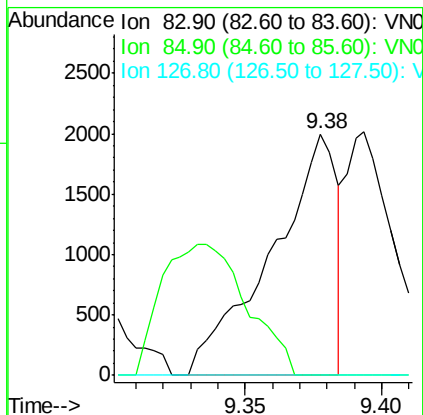
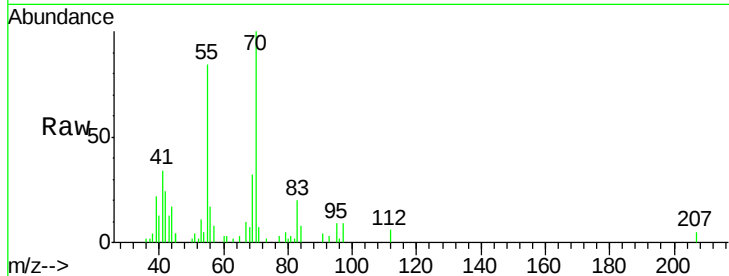
Tot Ion: 83 Resp: 3310

Ion Ratio Lower Upper

83 100

85 0.0 49.4 74.0#

127 0.0 6.3 9.5#



#48

Methyl methacrylate

Concen: 2.94 ug/l

RT: 9.27 min Scan# 2389

Delta R.T. 0.07 min

Lab File: VN049228.D

Acq: 14 Jun 2018 15:24

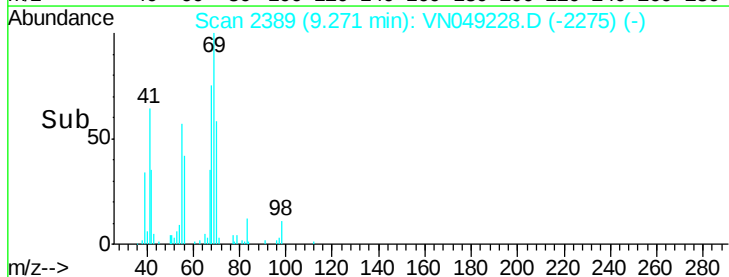
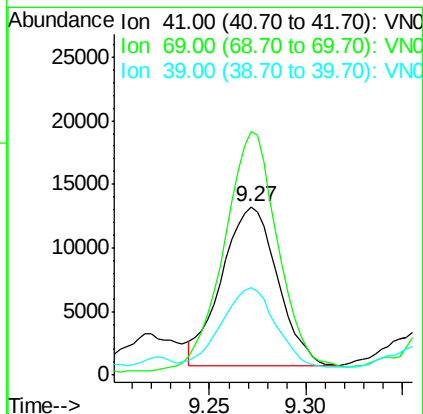
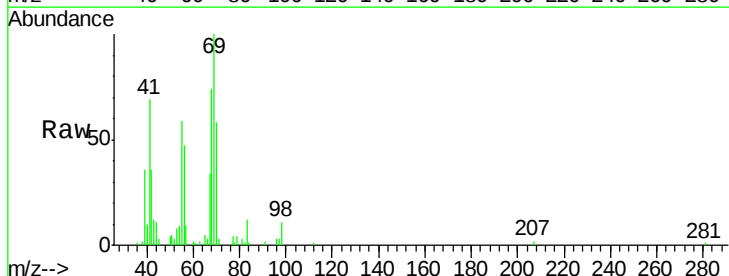
Tgt Ion: 41 Resp: 24903

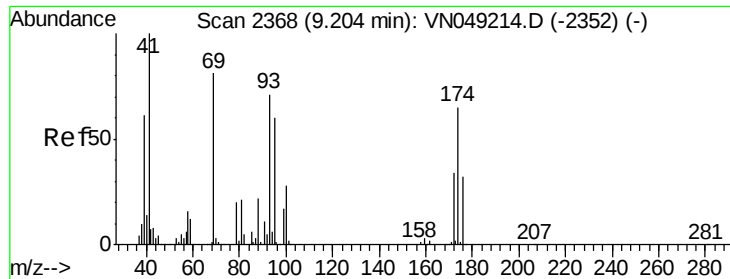
Ion Ratio Lower Upper

41 100

69 147.6 62.0 93.0#

39 49.2 50.6 75.8#

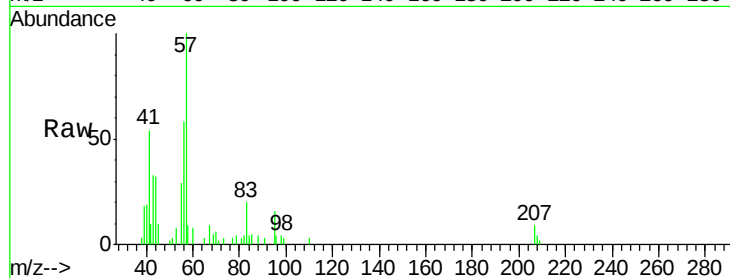




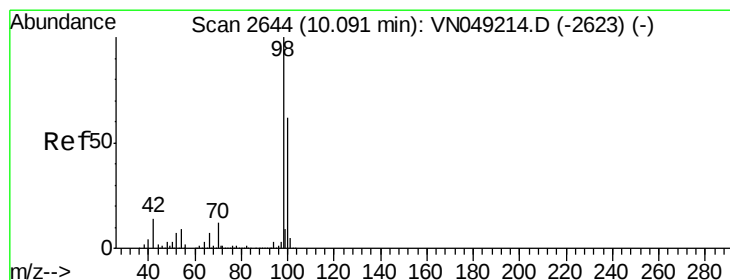
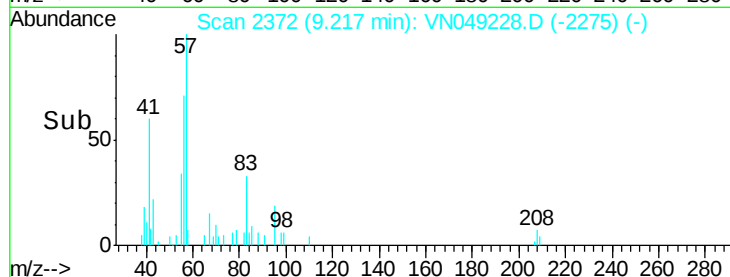
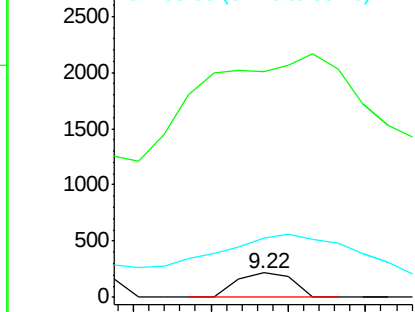
#49
1,4-Dioxane
Concen: 1.08 ug/l
RT: 9.22 min Scan# 2372
Delta R.T. 0.01 min
Lab File: VN049228.D
Acq: 14 Jun 2018 15:24

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 88 Resp: 108
Ion Ratio Lower Upper
88 100
43 1974.1 30.9 46.3#
58 938.9 58.9 88.3#

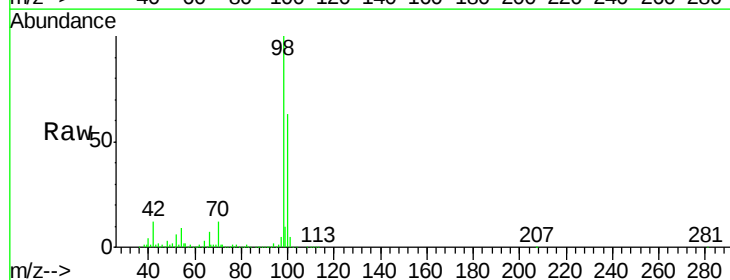


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

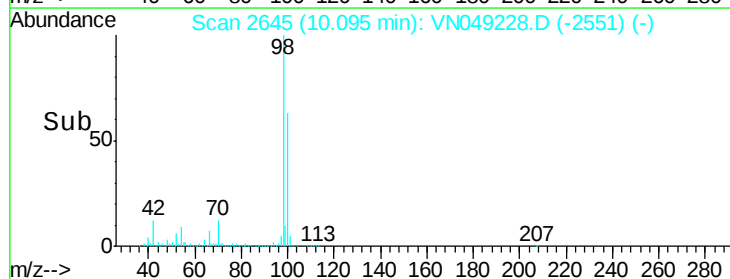
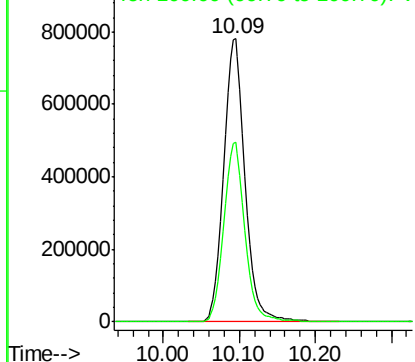


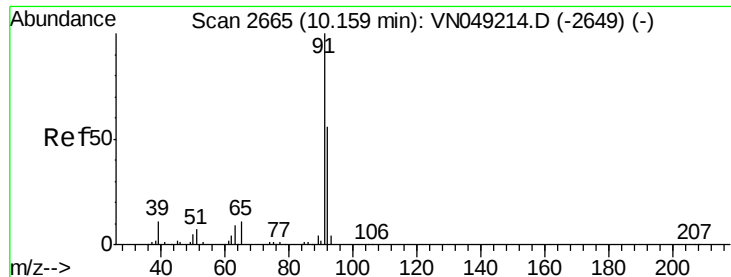
#50
Toluene-d8
Concen: 39.79 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN049228.D
Acq: 14 Jun 2018 15:24

Tgt Ion: 98 Resp: 1532317
Ion Ratio Lower Upper
98 100
100 62.8 49.8 74.8



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#52

Toluene

Concen: 24.52 ug/l

RT: 10.16 min Scan# 2665

Delta R.T. 0.00 min

Lab File: VN049228.D

Acq: 14 Jun 2018 15:24

Instrument :

MSVOA_N

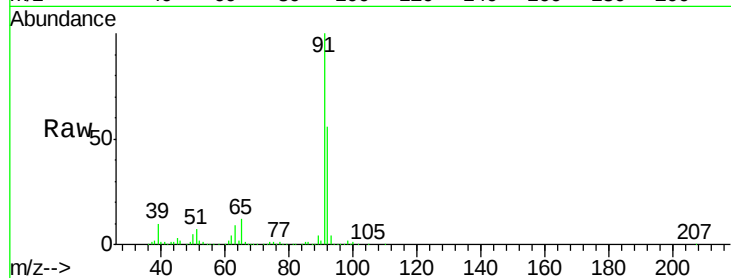
ClientSampled :

Tot Ion: 92 Resp: 645877

Ion Ratio Lower Upper

92 100

91 177.1 143.4 215.2



Abundance Ion 92.00 (91.70 to 92.70): VN049228.D (-2572) (-)

Ion 91.00 (90.70 to 91.70): VN049228.D (-2572) (-)

600000

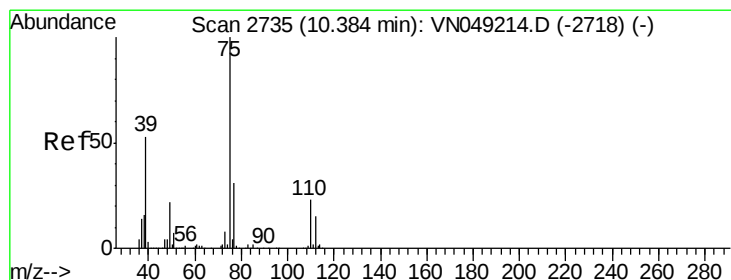
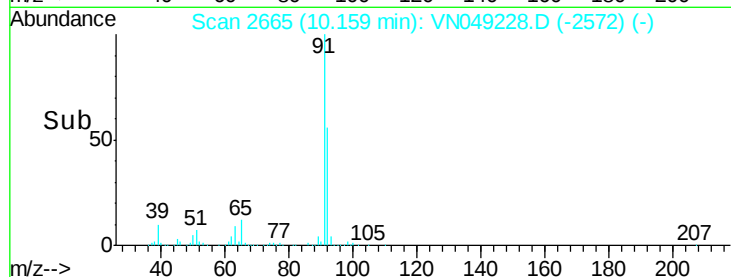
400000

200000

0

10.10 10.15 10.20 10.30

Time-->



#53

t-1,3-Dichloropropene

Concen: 0.52 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.23 min

Lab File: VN049228.D

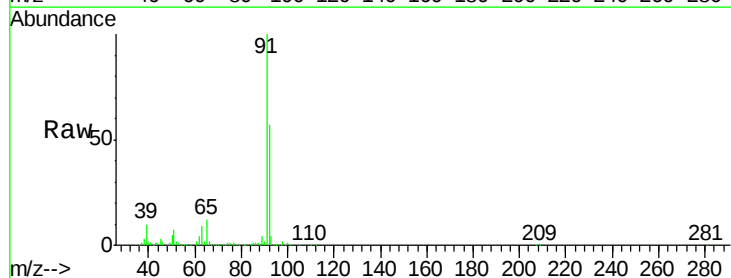
Acq: 14 Jun 2018 15:24

Tgt Ion: 75 Resp: 7666

Ion Ratio Lower Upper

75 100

77 155.9 25.2 37.8#



Abundance Ion 74.90 (74.60 to 75.60): VN049228.D (-2642) (-)

Ion 76.90 (76.60 to 77.60): VN049228.D (-2642) (-)

8000

6000

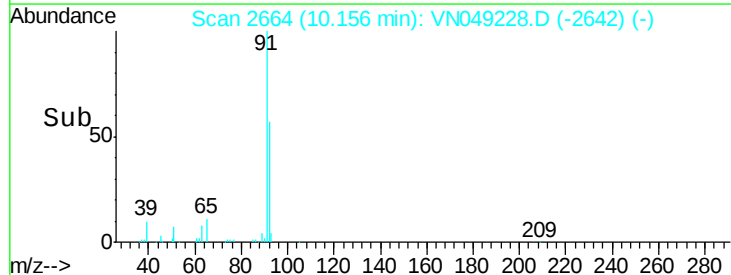
4000

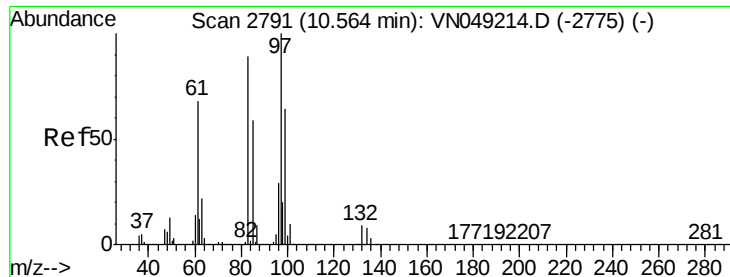
2000

0

10.10 10.15 10.20

Time-->

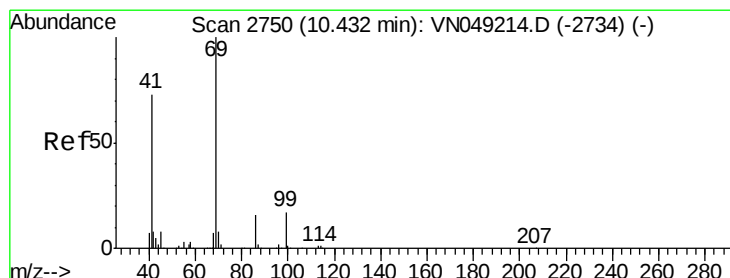
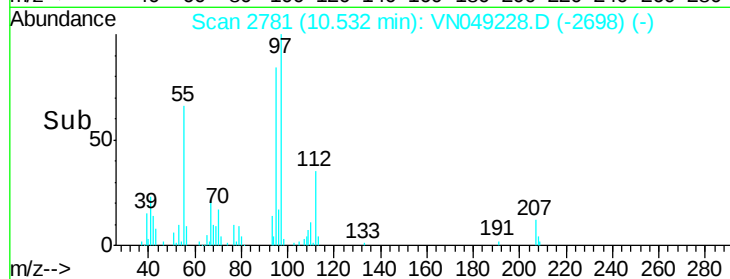
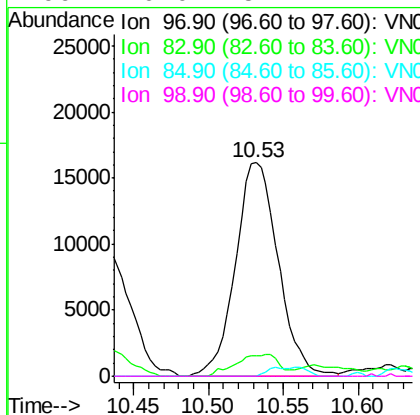
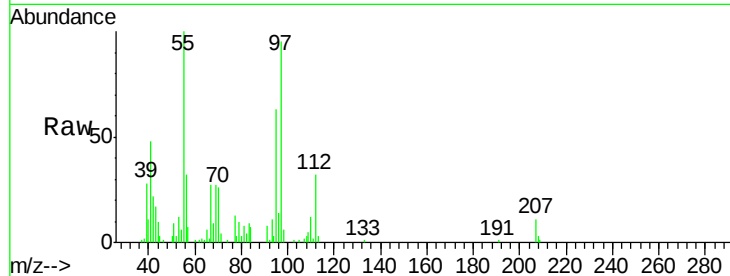




#55
 1,1,2-Trichloroethane
 Concen: 3.33 ug/l
 RT: 10.53 min Scan# 2781
 Delta R.T. -0.03 min
 Lab File: VN049228.D
 Acq: 14 Jun 2018 15:24

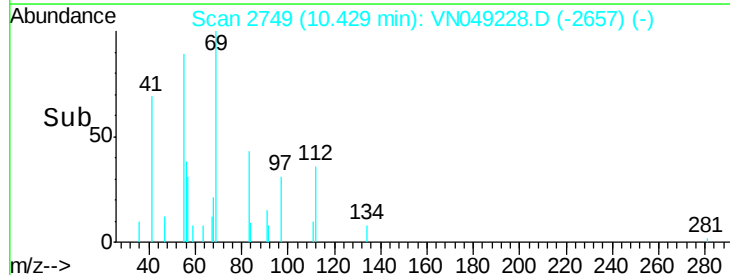
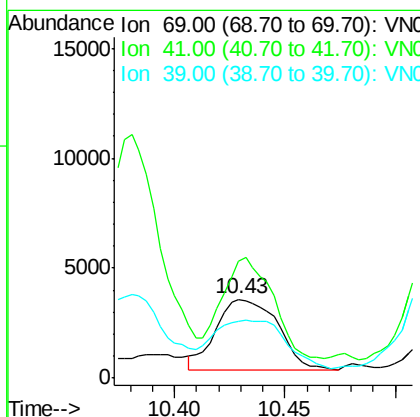
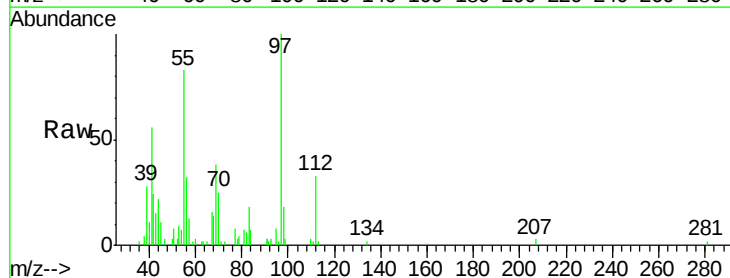
Instrument :
 MSVOA_N
 ClientSampled :

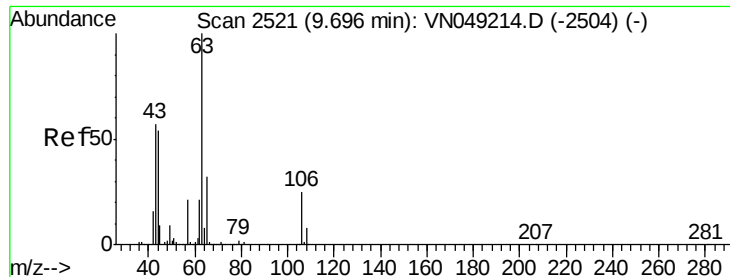
Tot Ion	97	Resp	32183
Ion	Ratio	Lower	Upper
97	100		
83	9.5	71.5	107.3#
85	0.0	47.0	70.4#
99	0.0	51.4	77.2#



#56
 Ethyl methacrylate
 Concen: 0.53 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. -0.00 min
 Lab File: VN049228.D
 Acq: 14 Jun 2018 15:24

Tgt Ion	69	Resp	6185
Ion	Ratio	Lower	Upper
69	100		
41	115.9	58.4	87.6#
39	79.3	35.5	53.3#





#58

2-Chloroethyl Vinyl ether

Concen: 13.21 ug/l

RT: 9.70 min Scan# 2522

Delta R.T. 0.00 min

Lab File: VN049228.D

Acq: 14 Jun 2018 15:24

Instrument :

MSVOA_N

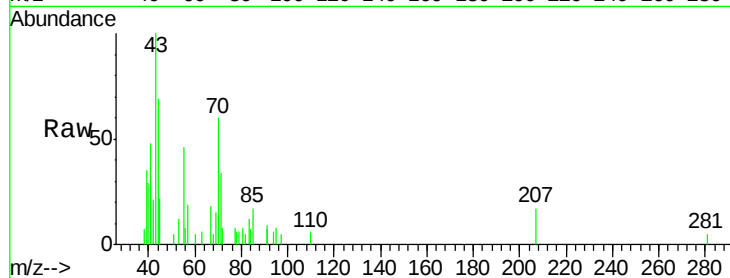
ClientSampleId :

Tot Ion: 63 Resp: 108

Ion Ratio Lower Upper

63 100

106 0.0 19.4 29.2#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): VN0

9.70

200

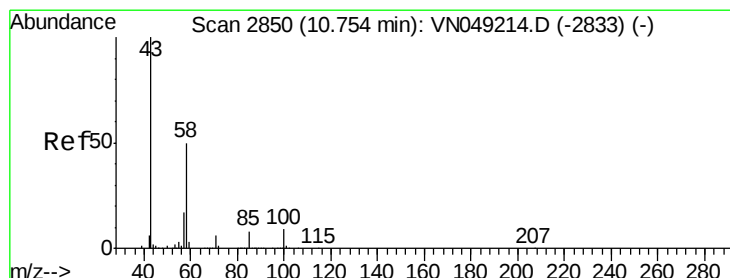
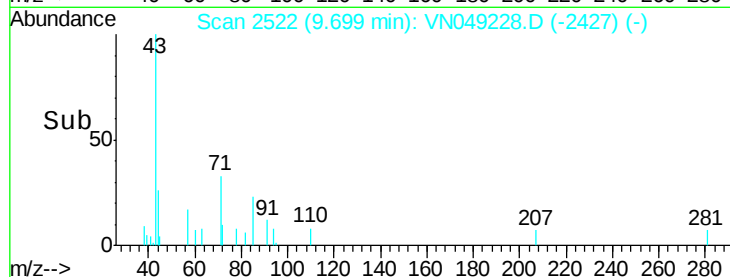
150

100

50

0

Time--> 9.68 9.69 9.70 9.71



#59

2-Hexanone

Concen: 0.26 ug/l

RT: 10.77 min Scan# 2854

Delta R.T. 0.01 min

Lab File: VN049228.D

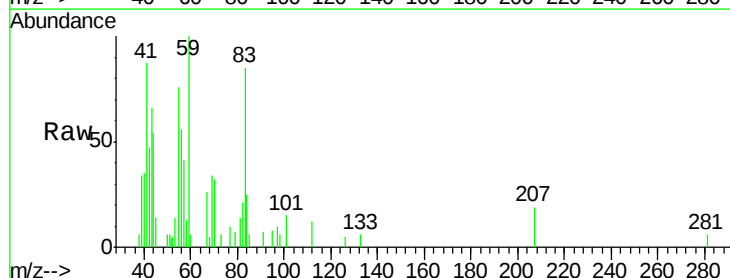
Acq: 14 Jun 2018 15:24

Tgt Ion: 43 Resp: 1513

Ion Ratio Lower Upper

43 100

58 50.3 25.2 75.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

10.77

2500

2000

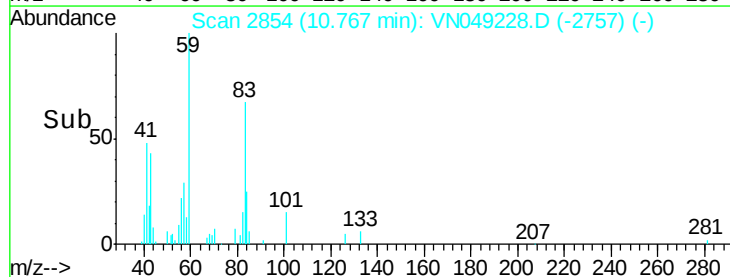
1500

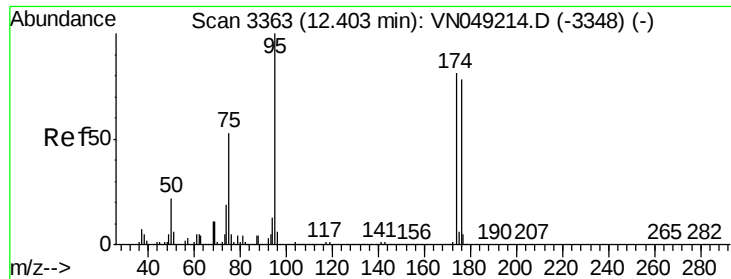
1000

500

0

Time--> 10.72 10.74 10.76 10.78

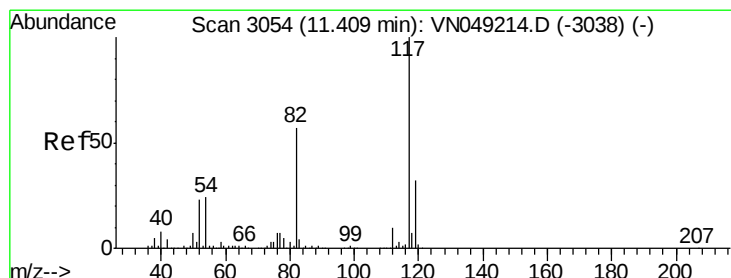
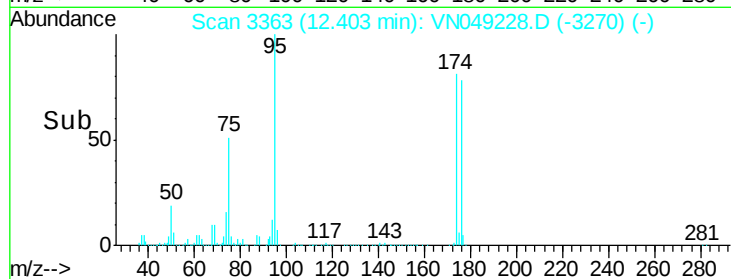
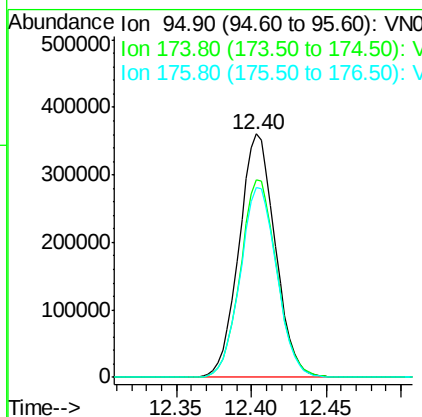
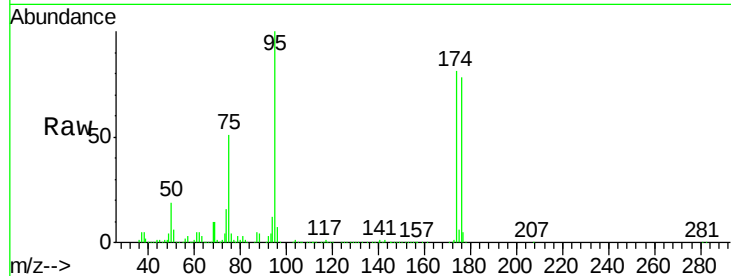




#62
4-Bromofluorobenzene
Concen: 47.38 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN049228.D
Acq: 14 Jun 2018 15:24

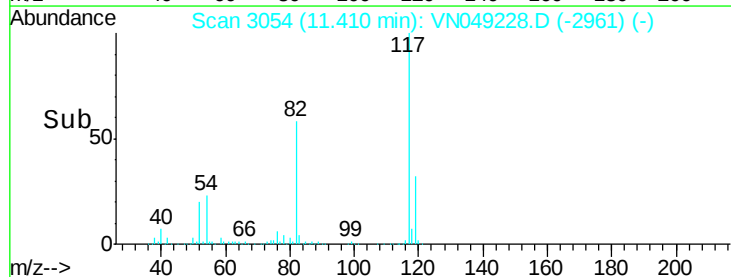
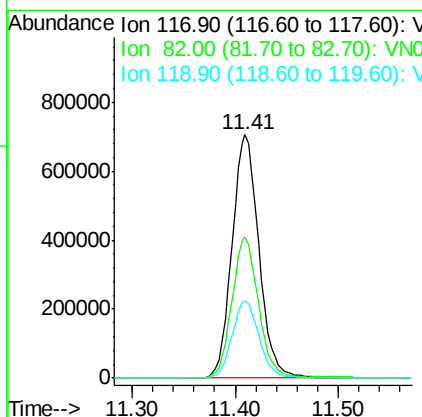
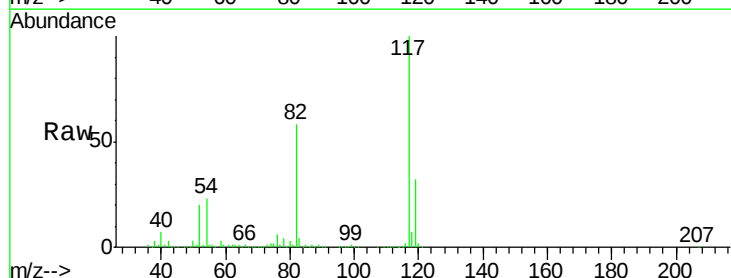
Instrument :
MSVOA_N
ClientSampled :

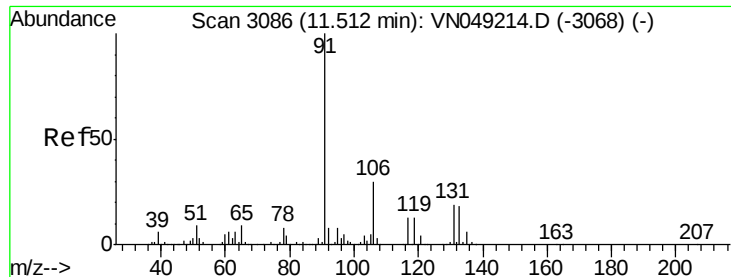
Tot Ion: 95 Resp: 605615
Ion Ratio Lower Upper
95 100
174 81.8 0.0 165.6
176 79.1 0.0 157.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049228.D
Acq: 14 Jun 2018 15:24

Tgt Ion: 117 Resp: 1278946
Ion Ratio Lower Upper
117 100
82 57.8 45.9 68.9
119 31.9 25.5 38.3

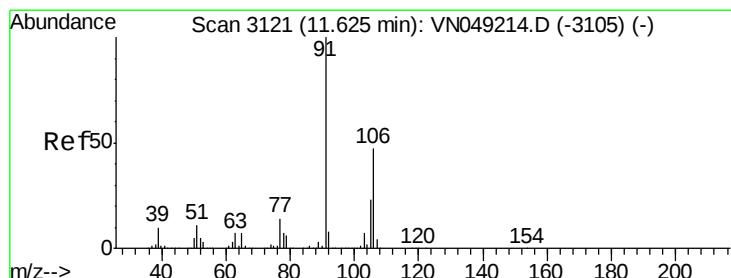
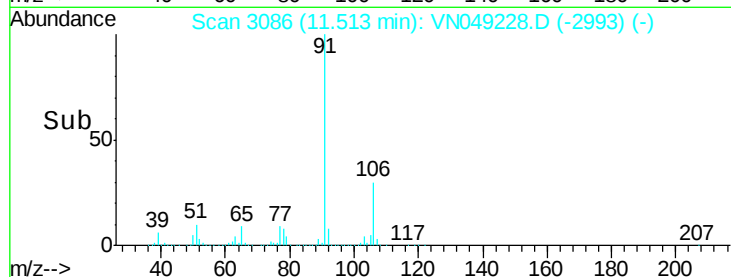
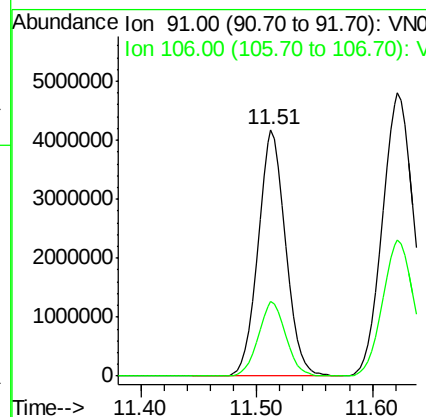
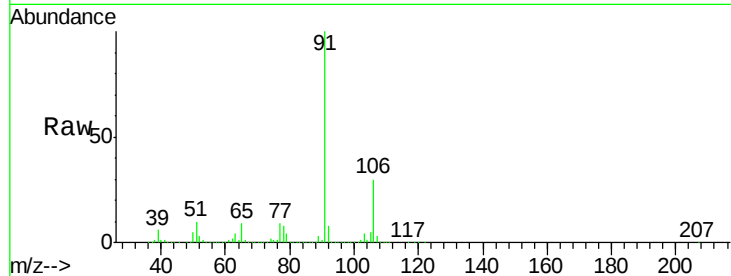




#67
Ethyl Benzene
Concen: 121.59 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN049228.D
Acq: 14 Jun 2018 15:24

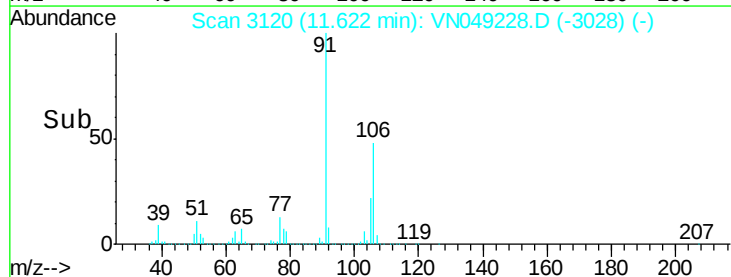
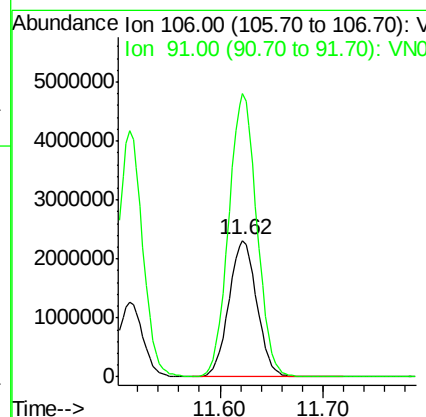
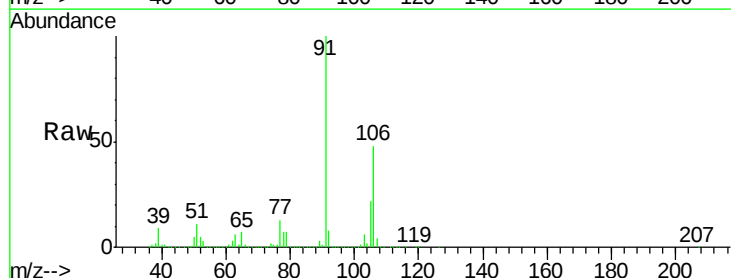
Instrument :
MSVOA_N
ClientSampled :

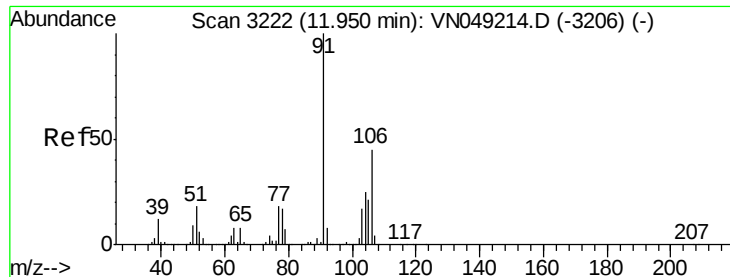
Tot Ion: 91 Resp: 6920961
Ion Ratio Lower Upper
91 100
106 30.4 23.9 35.9



#68
m/p-Xylenes
Concen: 209.85 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. -0.00 min
Lab File: VN049228.D
Acq: 14 Jun 2018 15:24

Tgt Ion: 106 Resp: 4367903
Ion Ratio Lower Upper
106 100
91 208.6 167.3 250.9

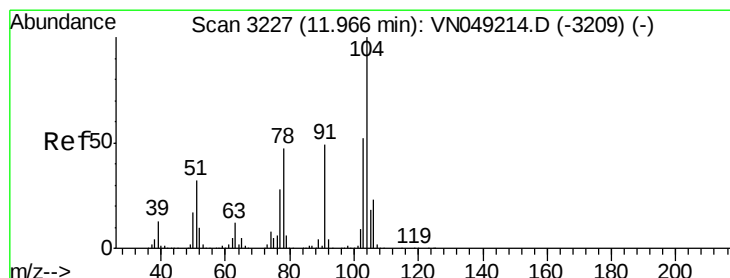
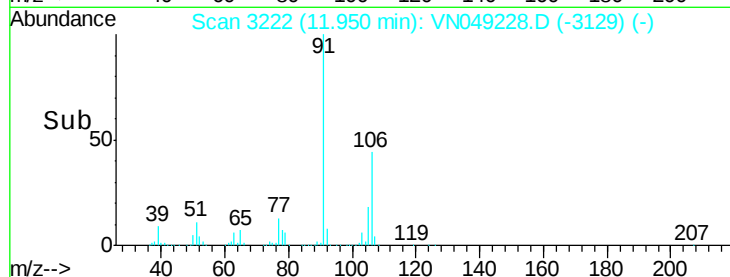
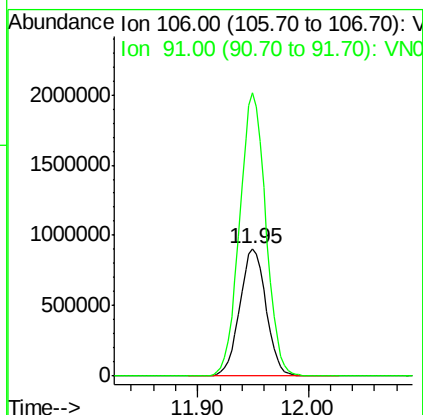
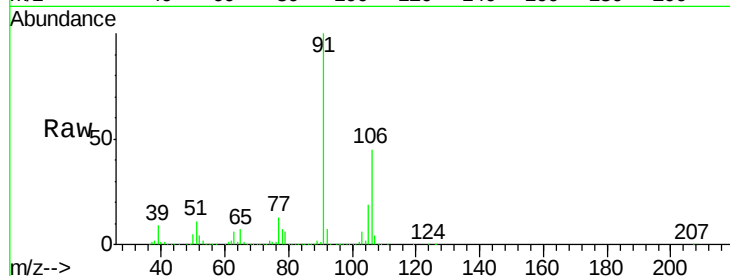




#69
o-Xylene
Concen: 74.60 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049228.D
Acq: 14 Jun 2018 15:24

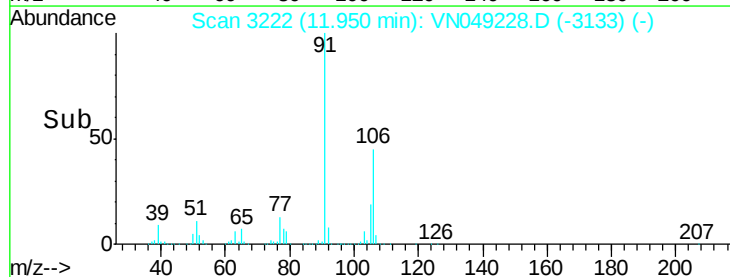
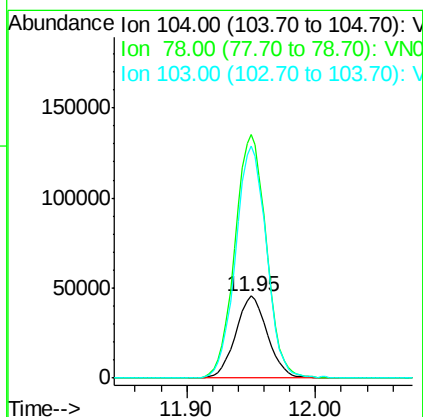
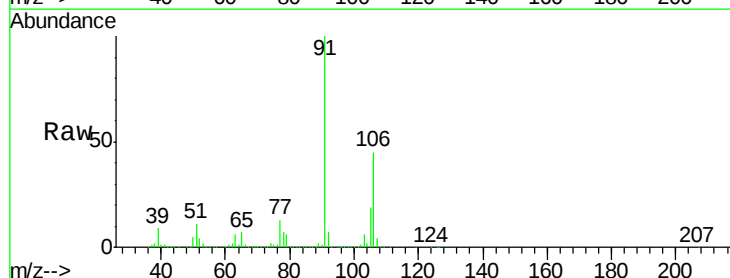
Instrument :
MSVOA_N
ClientSampled :

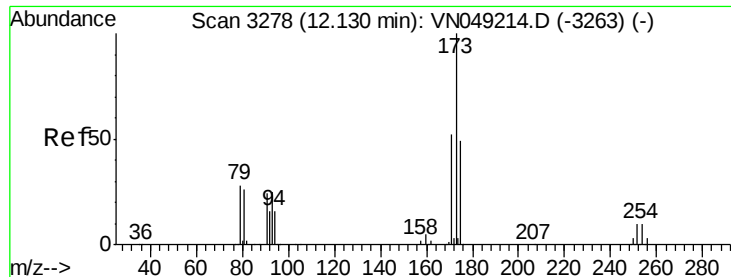
Tot Ion:106 Resp: 1495281
Ion Ratio Lower Upper
106 100
91 221.2 111.0 333.0



#70
Styrene
Concen: 2.48 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. -0.02 min
Lab File: VN049228.D
Acq: 14 Jun 2018 15:24

Tgt Ion:104 Resp: 78713
Ion Ratio Lower Upper
104 100
78 288.2 41.6 62.4#
103 272.3 45.4 68.2#





#71

Bromoform

Concen: 0.54 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.27 min

Lab File: VN049228.D

Acq: 14 Jun 2018 15:24

Instrument :

MSVOA_N

ClientSampled :

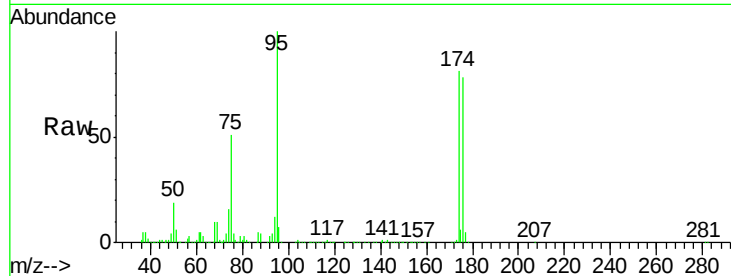
Tot Ion:173 Resp: 4263

Ion Ratio Lower Upper

173 100

175 752.8 24.5 73.5#

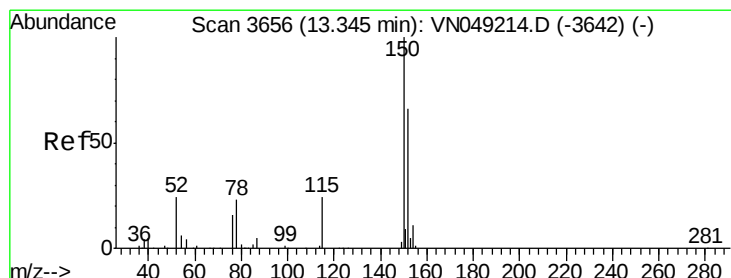
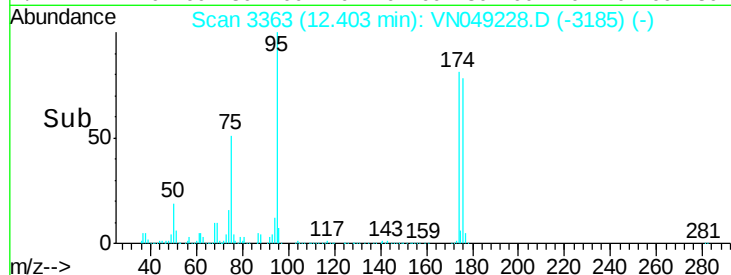
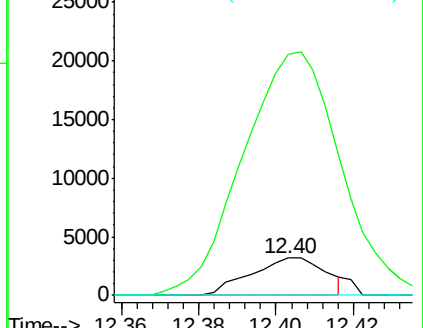
254 0.0 0.1 0.1#



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# 3656

Delta R.T. 0.00 min

Lab File: VN049228.D

Acq: 14 Jun 2018 15:24

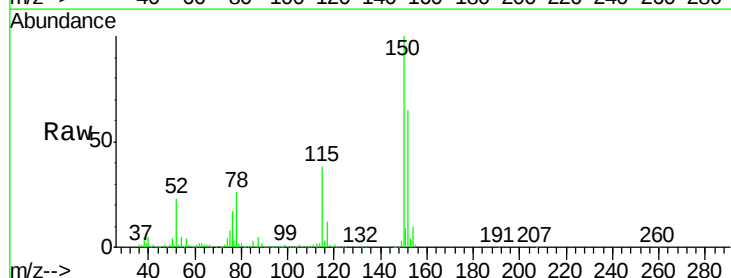
Tgt Ion:152 Resp: 531319

Ion Ratio Lower Upper

152 100

115 64.7 28.7 86.1

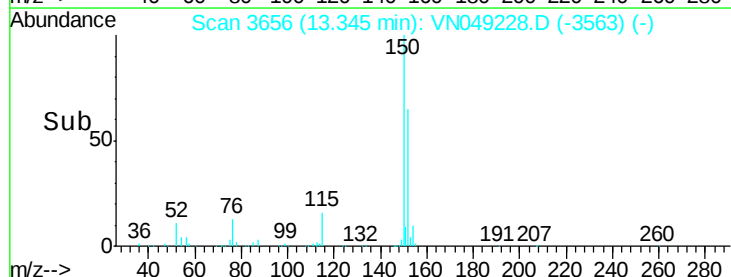
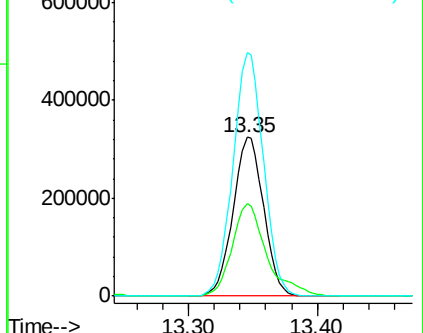
150 153.5 0.0 351.0

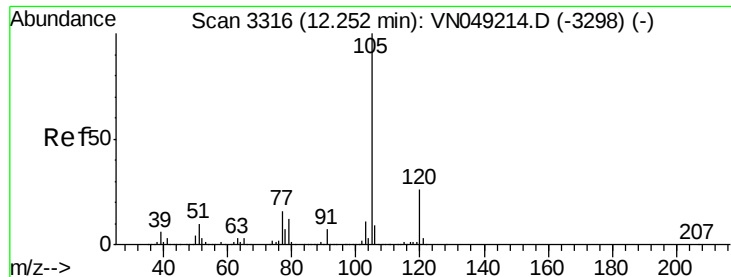


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 12.36 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049228.D

Acq: 14 Jun 2018 15:24

Instrument :

MSVOA_N

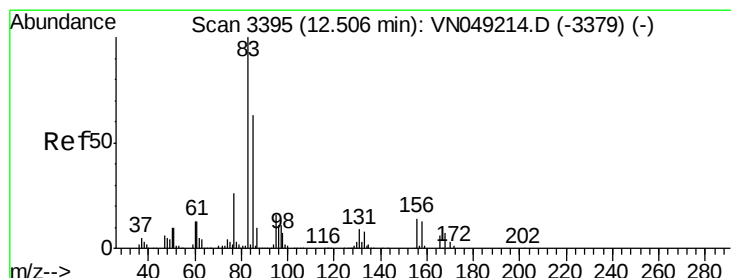
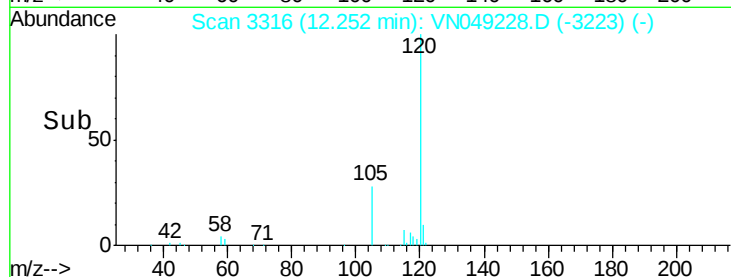
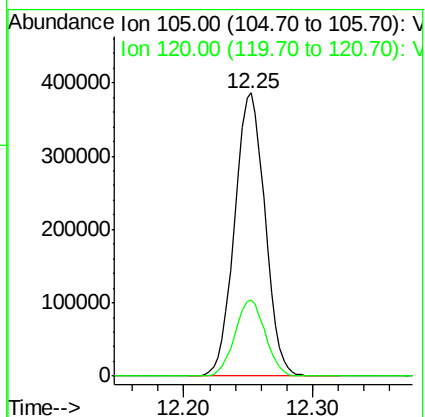
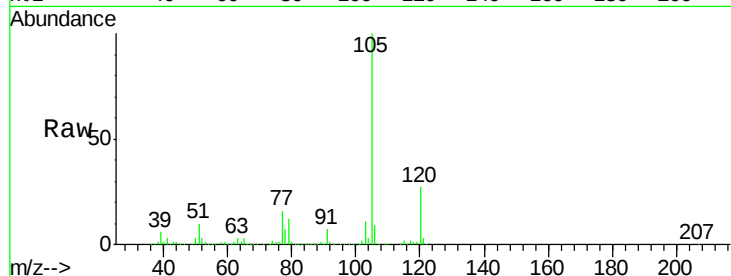
ClientSampled :

Tot Ion:105 Resp: 630745

Ion Ratio Lower Upper

105 100

120 27.0 12.8 38.3



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.49 min Scan# 3389

Delta R.T. -0.02 min

Lab File: VN049228.D

Acq: 14 Jun 2018 15:24

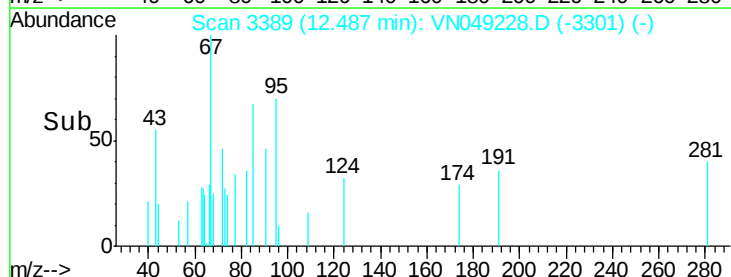
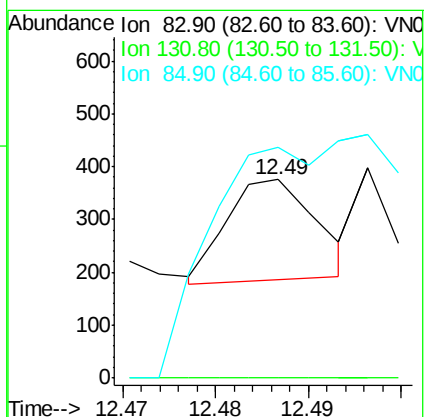
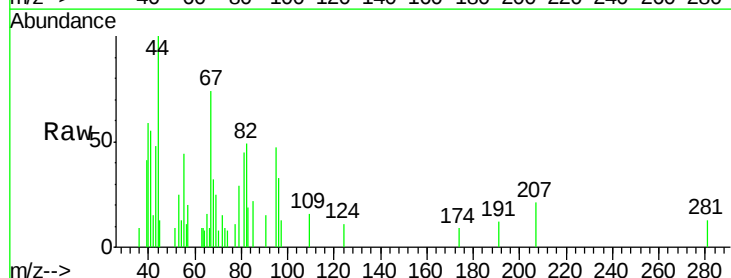
Tgt Ion: 83 Resp: 129

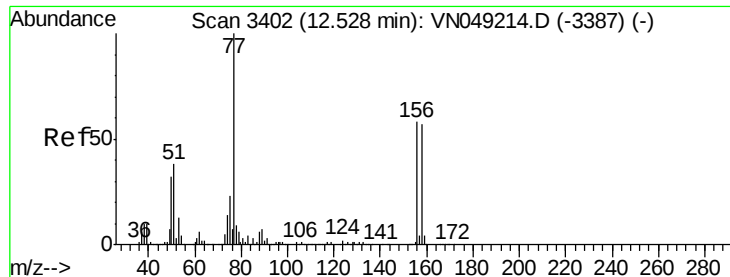
Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

85 621.7 32.0 96.0#





#77

Bromobenzene

Concen: Below Cal

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN049228.D

Acq: 14 Jun 2018 15:24

Instrument :

MSVOA_N

ClientSampled :

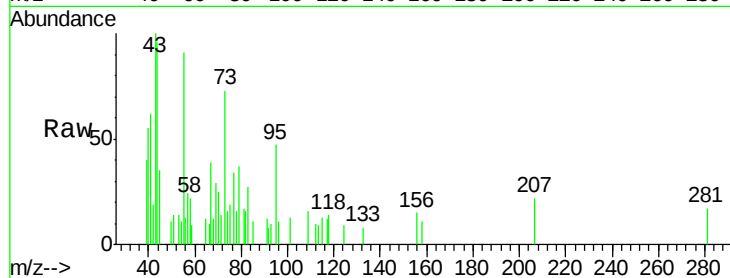
Tot Ion:156 Resp: 227

Ion Ratio Lower Upper

156 100

77 0.0 100.8 302.4#

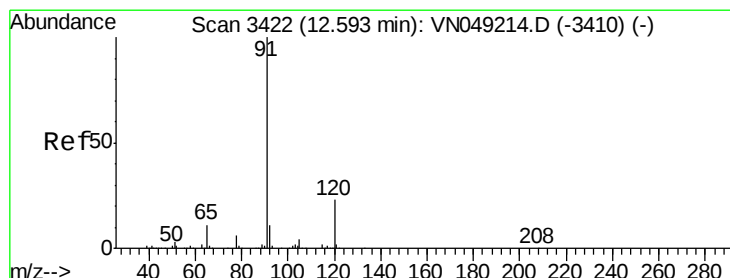
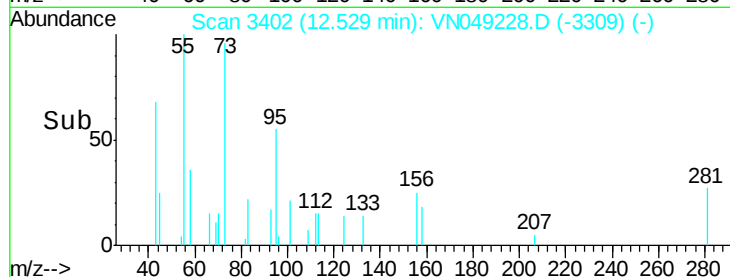
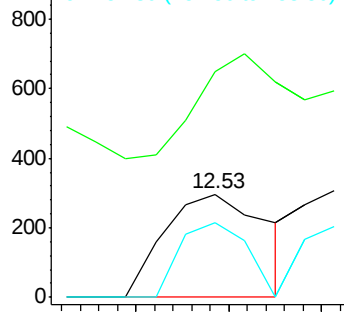
158 47.6 49.3 147.9#



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: 24.04 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049228.D

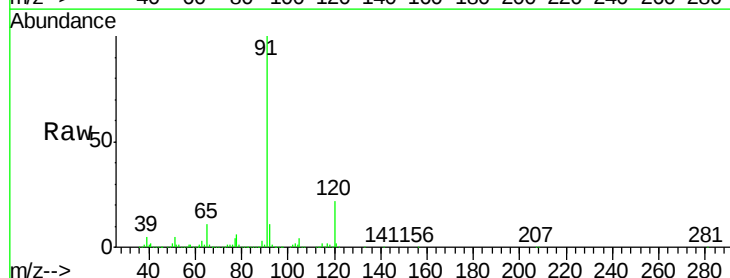
Acq: 14 Jun 2018 15:24

Tgt Ion: 91 Resp: 1362781

Ion Ratio Lower Upper

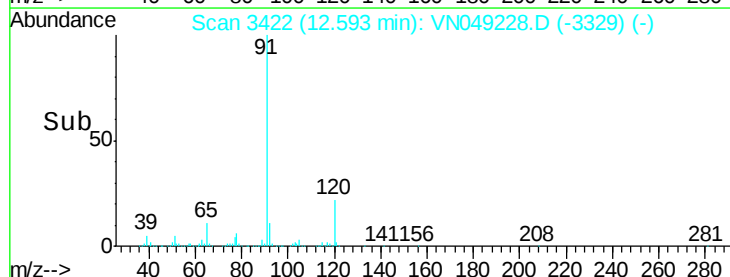
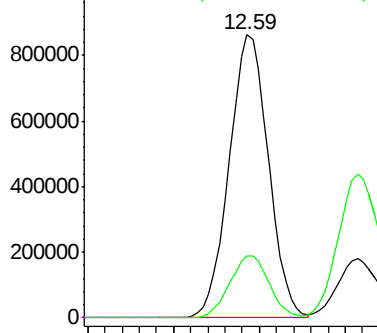
91 100

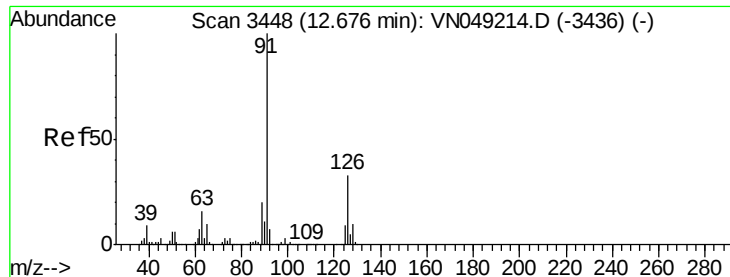
120 22.2 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

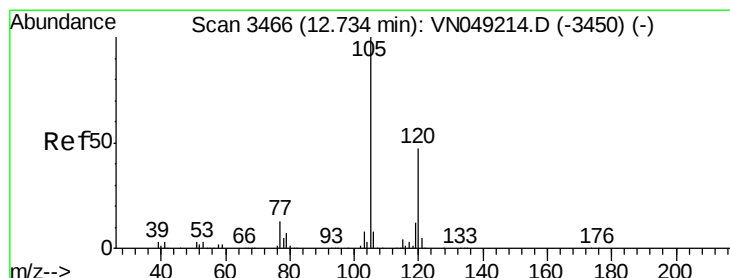
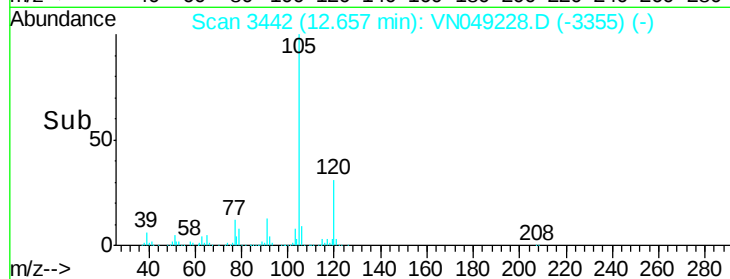
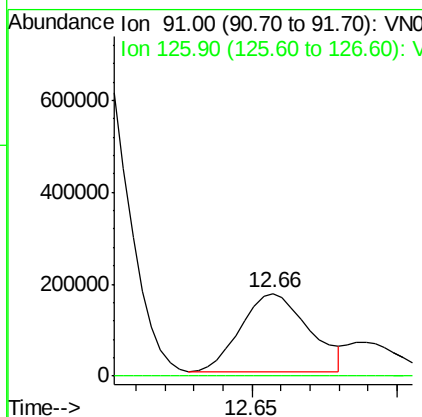
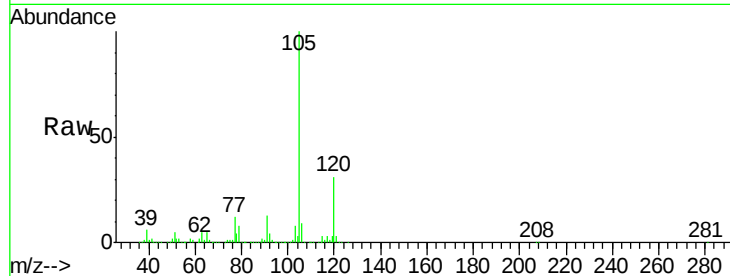




#79
 2-Chlorotoluene
 Concen: 7.73 ug/l
 RT: 12.66 min Scan# 3442
 Delta R.T. -0.02 min
 Lab File: VN049228.D
 Acq: 14 Jun 2018 15:24

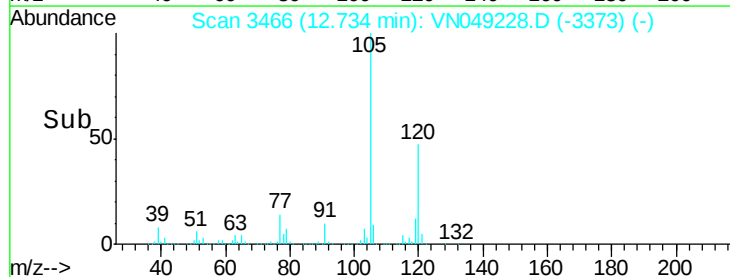
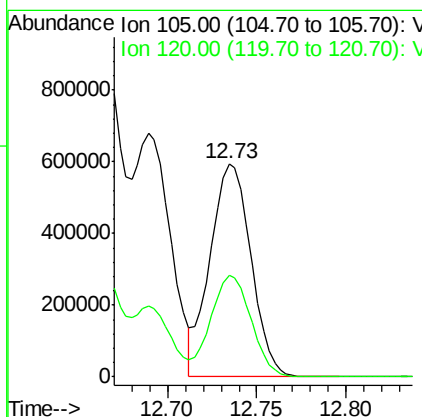
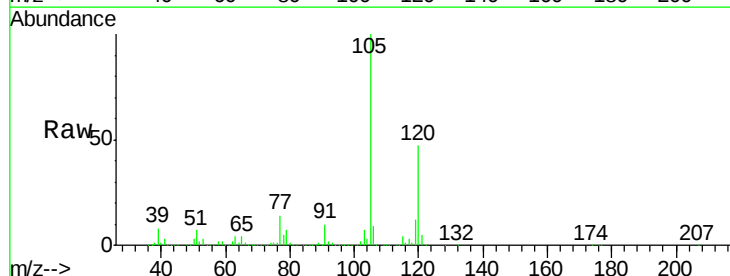
Instrument :
 MSVOA_N
 ClientSampleId :

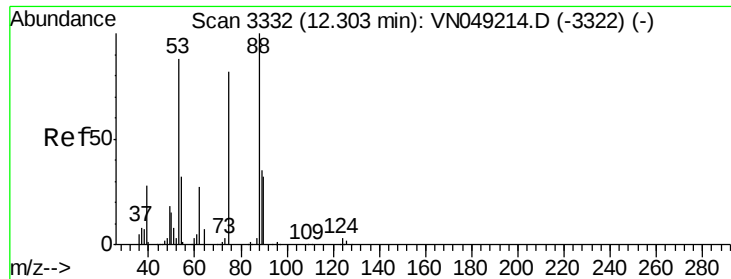
Tot Ion: 91 Resp: 276270
 Ion Ratio Lower Upper
 91 100
 126 0.3 16.6 49.8#



#80
 1,3,5-Trimethylbenzene
 Concen: 24.11 ug/l
 RT: 12.73 min Scan# 3466
 Delta R.T. 0.00 min
 Lab File: VN049228.D
 Acq: 14 Jun 2018 15:24

Tgt Ion: 105 Resp: 943272
 Ion Ratio Lower Upper
 105 100
 120 47.1 23.5 70.5





#81

trans-1,4-Dichloro-2-butene

Concen: 96.70 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049228.D

Acq: 14 Jun 2018 15:24

Instrument :

MSVOA_N

ClientSampled :

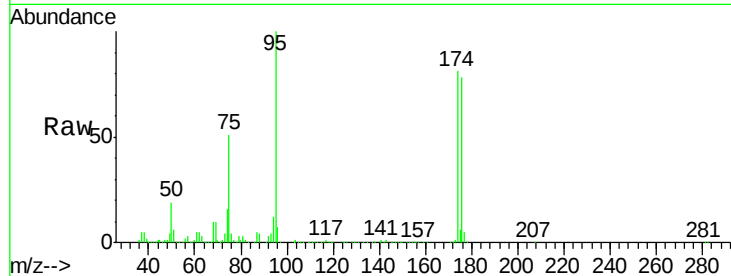
Tot Ion: 75 Resp: 307523

Ion Ratio Lower Upper

75 100

53 0.2 82.7 124.1#

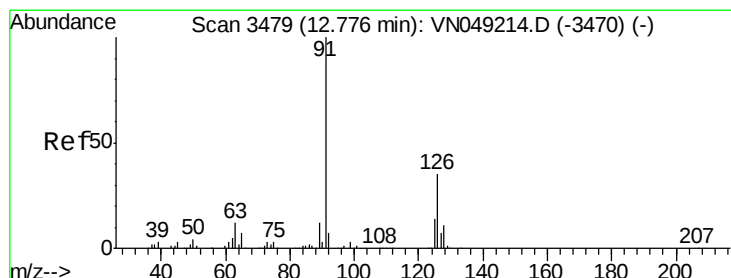
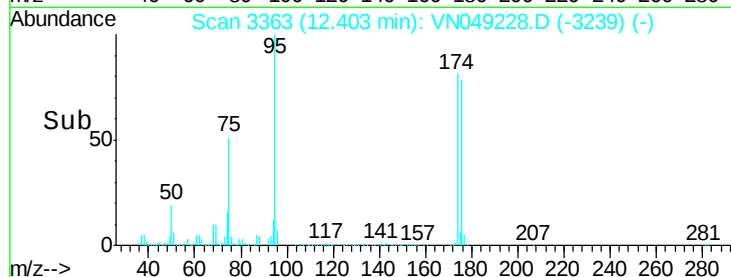
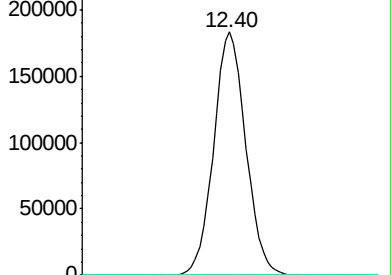
89 0.0 36.5 54.7#



Abundance Ion 74.90 (74.60 to 75.60): VN049228.D (-3363) (-)

Ion 53.00 (52.70 to 53.70): VN049228.D (-3363) (-)

Ion 88.90 (88.60 to 89.60): VN049228.D (-3363) (-)



#82

4-Chlorotoluene

Concen: 2.76 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.04 min

Lab File: VN049228.D

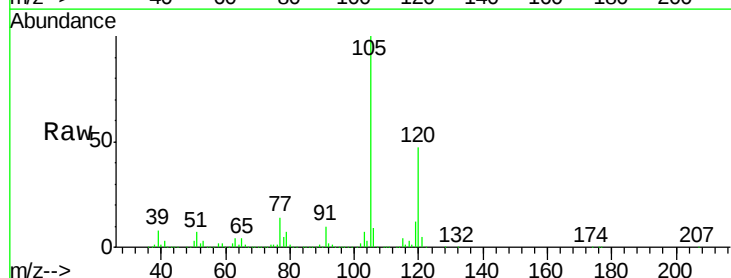
Acq: 14 Jun 2018 15:24

Tgt Ion: 91 Resp: 93510

Ion Ratio Lower Upper

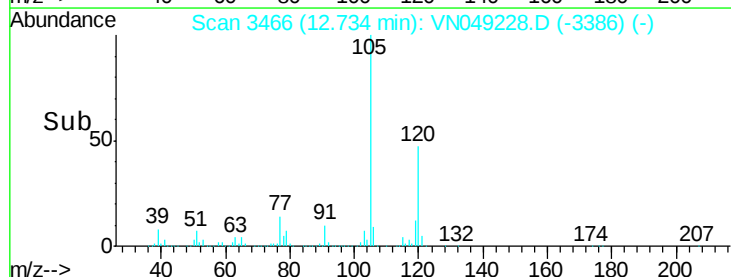
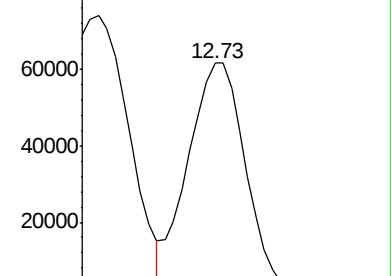
91 100

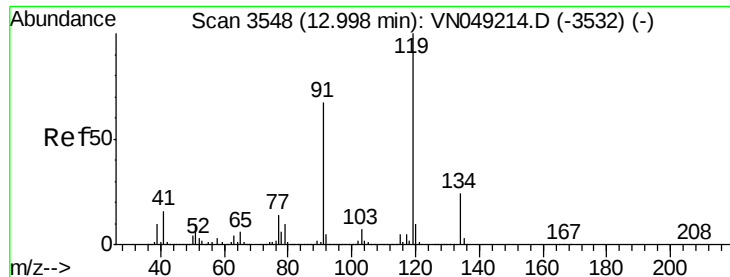
126 0.0 16.4 49.1#



Abundance Ion 91.00 (90.70 to 91.70): VN049228.D (-3386) (-)

Ion 125.90 (125.60 to 126.60): VN049228.D (-3386) (-)

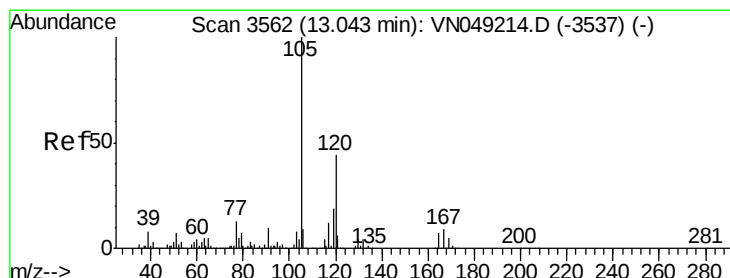
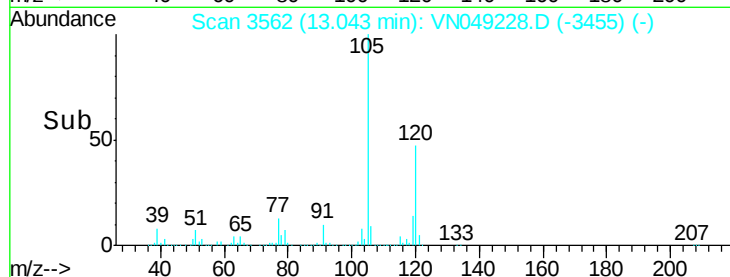
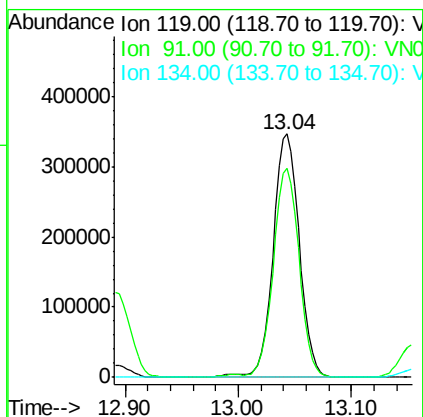
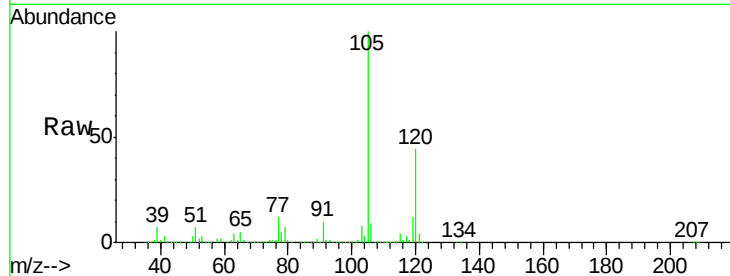




#83
tert-Butylbenzene
Concen: 16.39 ug/l
RT: 13.04 min Scan# 3562
Delta R.T. 0.05 min
Lab File: VN049228.D
Acq: 14 Jun 2018 15:24

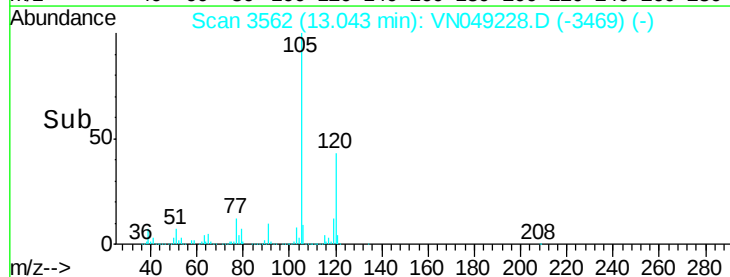
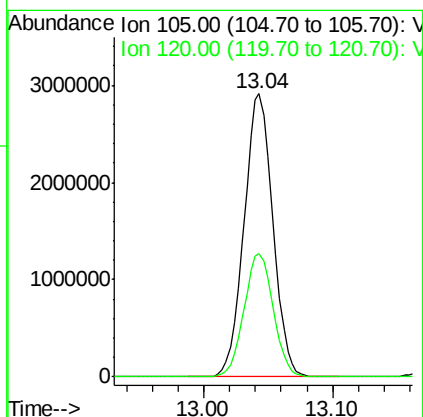
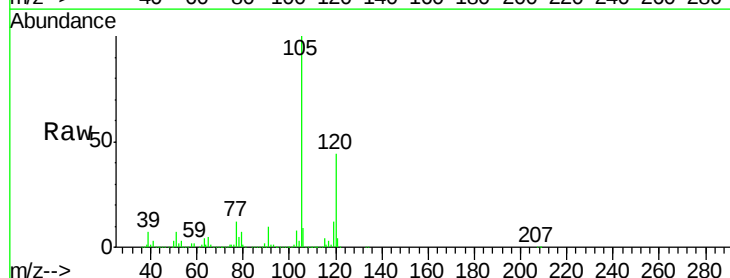
Instrument :
MSVOA_N
ClientSampleId :

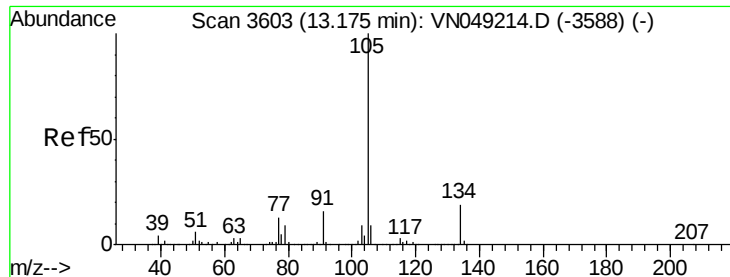
Tot Ion:119 Resp: 552593
Ion Ratio Lower Upper
119 100
91 83.9 33.7 101.0
134 0.0 12.9 38.6#



#84
1,2,4-Trimethylbenzene
Concen: 116.14 ug/l
RT: 13.04 min Scan# 3562
Delta R.T. 0.00 min
Lab File: VN049228.D
Acq: 14 Jun 2018 15:24

Tgt Ion:105 Resp: 4517120
Ion Ratio Lower Upper
105 100
120 44.3 22.2 66.6





#85

sec-Butylbenzene

Concen: 100.52 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. -0.13 min

Lab File: VN049228.D

Acq: 14 Jun 2018 15:24

Instrument :

MSVOA_N

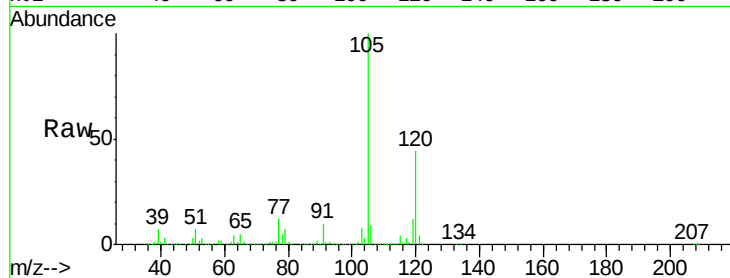
ClientSampleId :

Tot Ion:105 Resp: 4517120

Ion Ratio Lower Upper

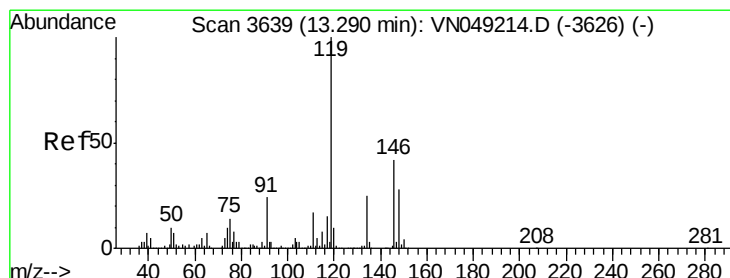
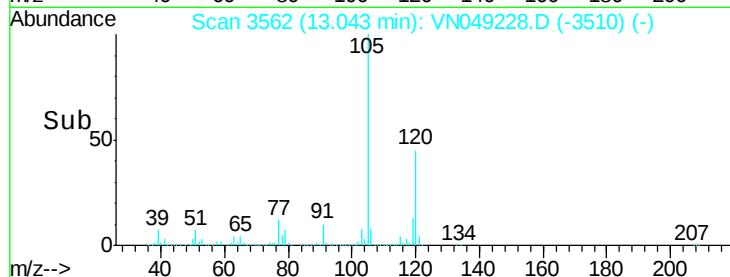
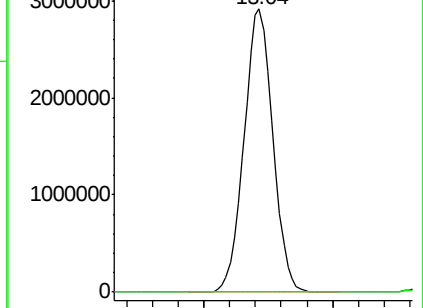
105 100

134 0.0 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: 2.08 ug/l

RT: 13.24 min Scan# 3622

Delta R.T. -0.05 min

Lab File: VN049228.D

Acq: 14 Jun 2018 15:24

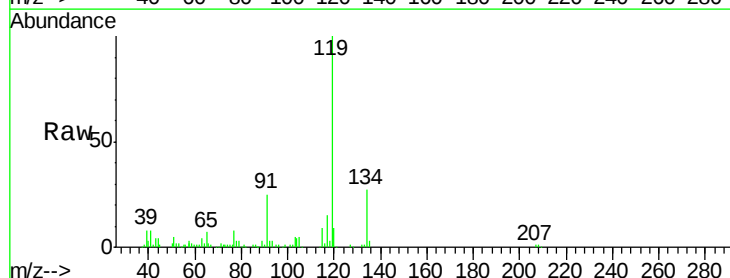
Tgt Ion:119 Resp: 75532

Ion Ratio Lower Upper

119 100

134 28.3 12.9 38.6

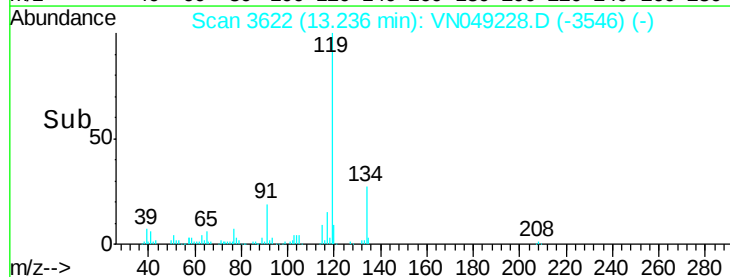
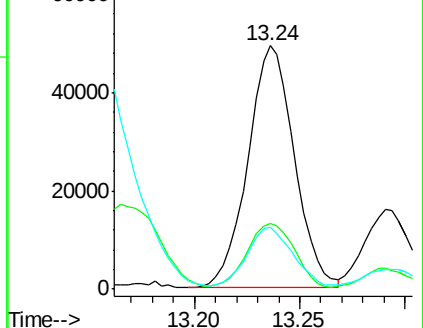
91 23.0 12.1 36.3

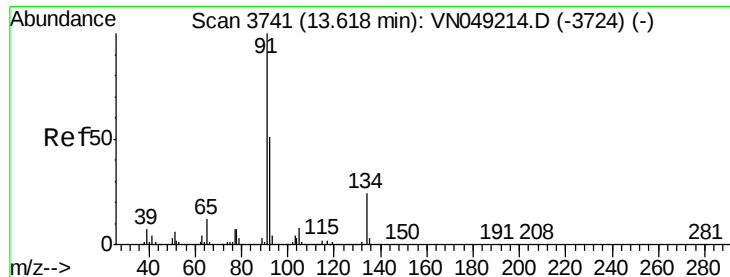


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

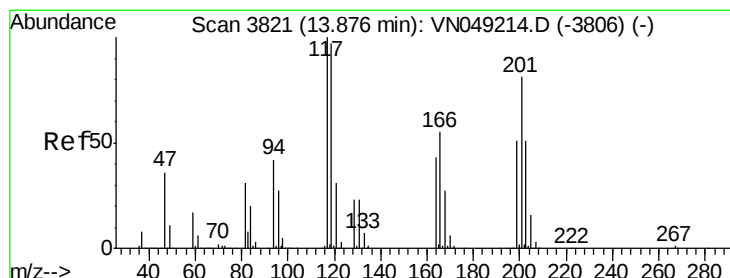
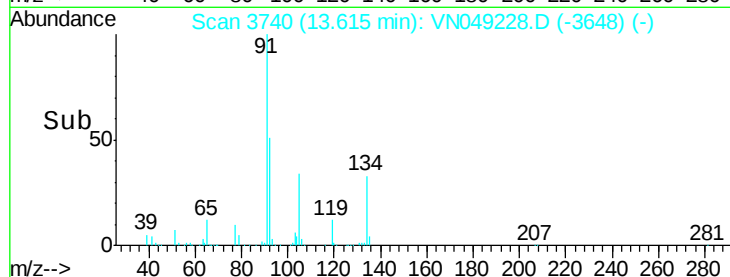
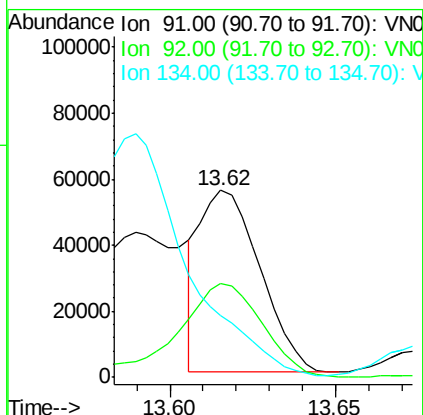
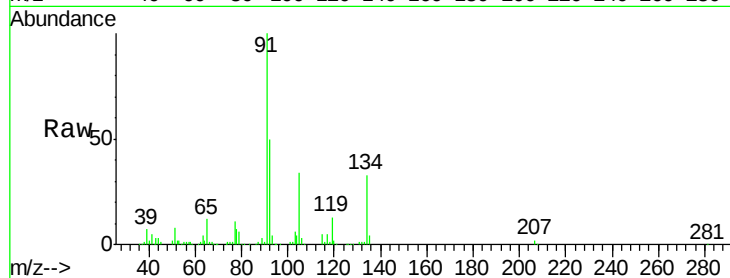




#89
n-Butylbenzene
Concen: 3.67 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN049228.D
Acq: 14 Jun 2018 15:24

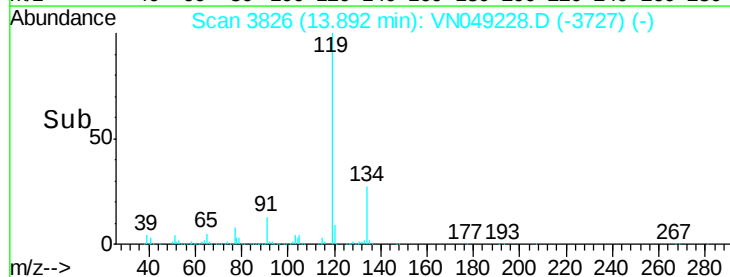
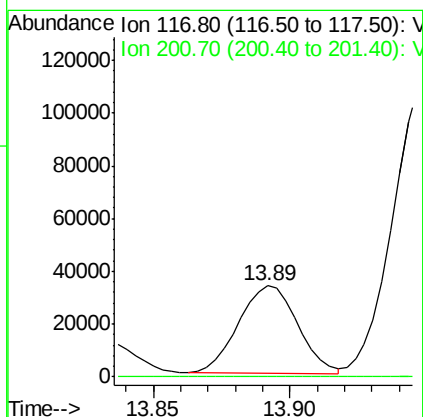
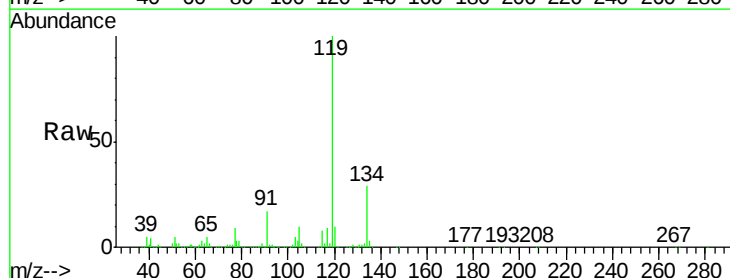
Instrument :
MSVOA_N
ClientSampled :

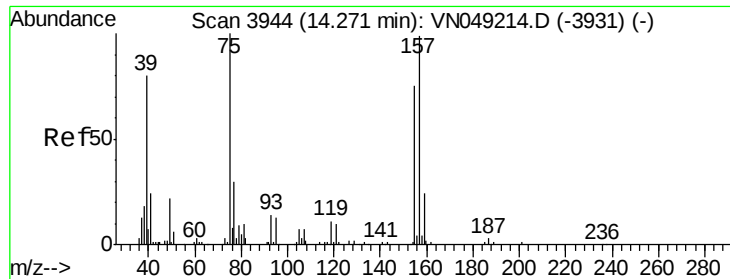
Tot Ion: 91 Resp: 69404
Ion Ratio Lower Upper
91 100
92 72.6 25.1 75.4
134 0.0 12.0 36.0#



#90
Hexachloroethane
Concen: 5.19 ug/l
RT: 13.89 min Scan# 3826
Delta R.T. 0.02 min
Lab File: VN049228.D
Acq: 14 Jun 2018 15:24

Tgt Ion: 117 Resp: 49601
Ion Ratio Lower Upper
117 100
201 0.0 40.1 120.2#





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.49 ug/l

RT: 14.25 min Scan# 3938

Delta R.T. -0.02 min

Lab File: VN049228.D

Acq: 14 Jun 2018 15:24

Instrument :

MSVOA_N

ClientSampled :

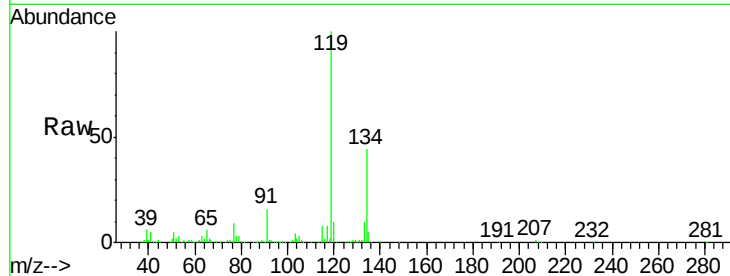
Tot Ion: 75 Resp: 2640

Ion Ratio Lower Upper

75 100

155 0.0 38.8 116.3#

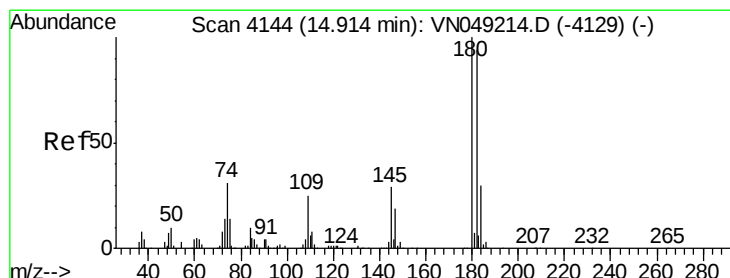
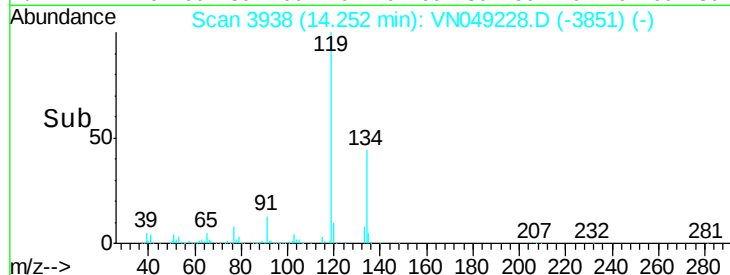
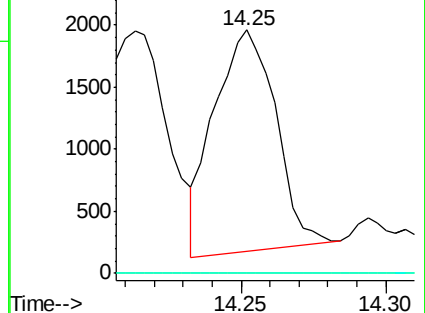
157 0.0 51.0 153.1#



Abundance Ion 74.90 (74.60 to 75.60): VN049228.D (-3851) (-)

Ion 154.80 (154.50 to 155.50): VN049228.D (-3851) (-)

Ion 156.80 (156.50 to 157.50): VN049228.D (-3851) (-)



#93

1,2,4-Trichlorobenzene

Concen: 4.53 ug/l

RT: 14.91 min Scan# 4142

Delta R.T. -0.01 min

Lab File: VN049228.D

Acq: 14 Jun 2018 15:24

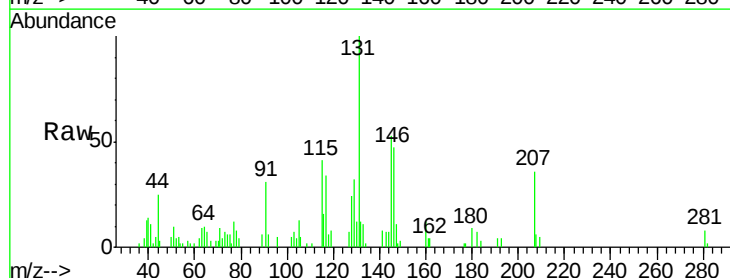
Tgt Ion: 180 Resp: 1343

Ion Ratio Lower Upper

180 100

182 100.7 46.9 140.8

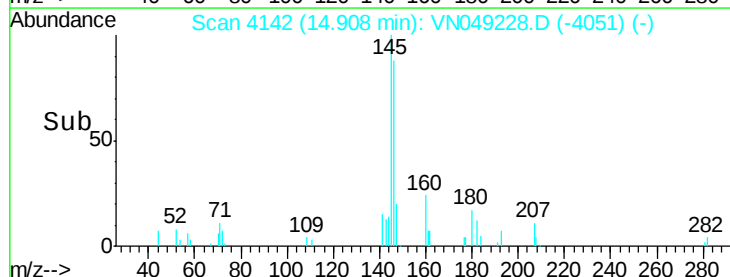
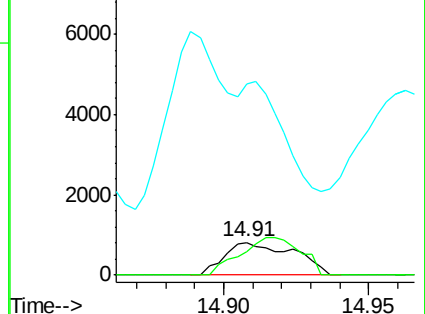
145 0.0 14.7 44.1#

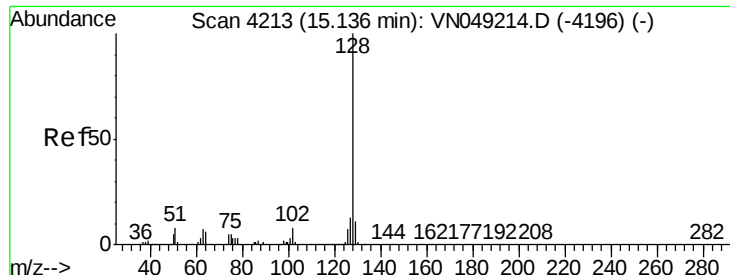


Abundance Ion 179.80 (179.50 to 180.50): VN049228.D (-4051) (-)

Ion 181.80 (181.50 to 182.50): VN049228.D (-4051) (-)

Ion 144.80 (144.50 to 145.50): VN049228.D (-4051) (-)





#95

Naphthalene

Concen: 49.38 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

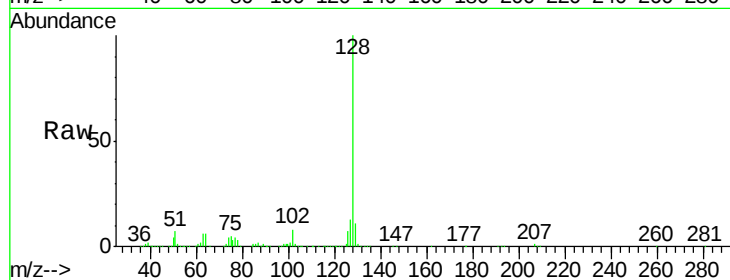
Lab File: VN049228.D

Acq: 14 Jun 2018 15:24

Instrument :

MSVOA_N

ClientSampleId :



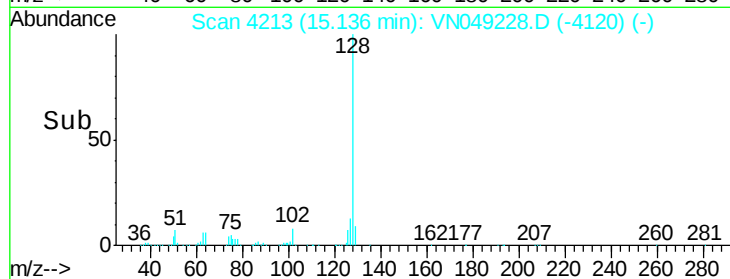
Tot Ion:128 Resp: 909681

Ion Ratio Lower Upper

128 100

127 13.0 10.6 16.0

129 10.7 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

