

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN063018\
 Data File : VN049654.D
 Acq On : 30 Jun 2018 18:18
 Operator : MD\SY
 Sample : J3752-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 02 01:24:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062918W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 30 00:55:30 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1293403	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2044686	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1684499	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	639784	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	839391	49.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.28%	
35) Dibromofluoromethane	7.59	113	745872	48.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.58%	
50) Toluene-d8	10.09	98	2777039	46.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.82%	
62) 4-Bromofluorobenzene	12.40	95	797218	39.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.06%	

Target Compounds

						Qvalue
4) Vinyl Chloride	2.18	62	491461	25.13	ug/l	99
6) Chloroethane	2.70	64	1061451	85.77	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	5787	0.36	ug/l #	16
11) Tert butyl alcohol	4.80	59	16092	16.42	ug/l #	83
12) 1,1-Dichloroethene	3.73	96	2331855	153.50	ug/l	99
13) Acrolein	3.61	56	326	0.36	ug/l #	15
16) Acetone	3.83	43	29807	0.72	ug/l	99
17) Carbon Disulfide	4.05	76	3661	Below	Cal #	91
18) Methyl Acetate	4.34	43	41256	Below	Cal #	85
20) Methylene Chloride	4.55	84	30218	1.72	ug/l	98
24) 1,1-Dichloroethane	5.85	63	954393	32.09	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	314722	18.02	ug/l	89
29) Tetrahydrofuran	7.22	42	1734	0.48	ug/l #	50
31) Cyclohexane	7.67	56	26752	0.31	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	86641	3.77	ug/l #	48
38) Carbon Tetrachloride	7.67	117	114701	5.13	ug/l #	16
39) Methylcyclohexane	9.08	83	9566	0.38	ug/l	95
40) Benzene	8.04	78	55949	0.80	ug/l	97
42) 1,2-Dichloroethane	8.13	62	168543	7.52	ug/l	99
43) Isopropyl Acetate	8.14	43	158779	5.44	ug/l #	80
44) Trichloroethene	8.84	130	16789	0.79	ug/l	96
48) Methyl methacrylate	9.19	41	7361	0.62	ug/l #	46
49) 1,4-Dioxane	9.20	88	452021	2819.95	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.77	63	195	10.84	ug/l #	48
59) 2-Hexanone	10.76	43	13210	1.52	ug/l	64
68) m/p-Xylenes	11.63	106	6617	0.24	ug/l	99
69) o-Xylene	11.95	106	13312	0.50	ug/l	95
71) Bromoform	12.40	173	5082	0.48	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.39	83	13784	Below	Cal	90
76) 1,2,3-Trichloropropane	12.40	75	394050	38.40	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	394050	130.44	ug/l #	38
84) 1,2,4-Trimethylbenzene	12.89	105	32454	0.75	ug/l	81
85) sec-Butylbenzene	13.17	105	12568	0.26	ug/l	80
87) 1,3-Dichlorobenzene	13.29	146	686	Below	Cal #	1

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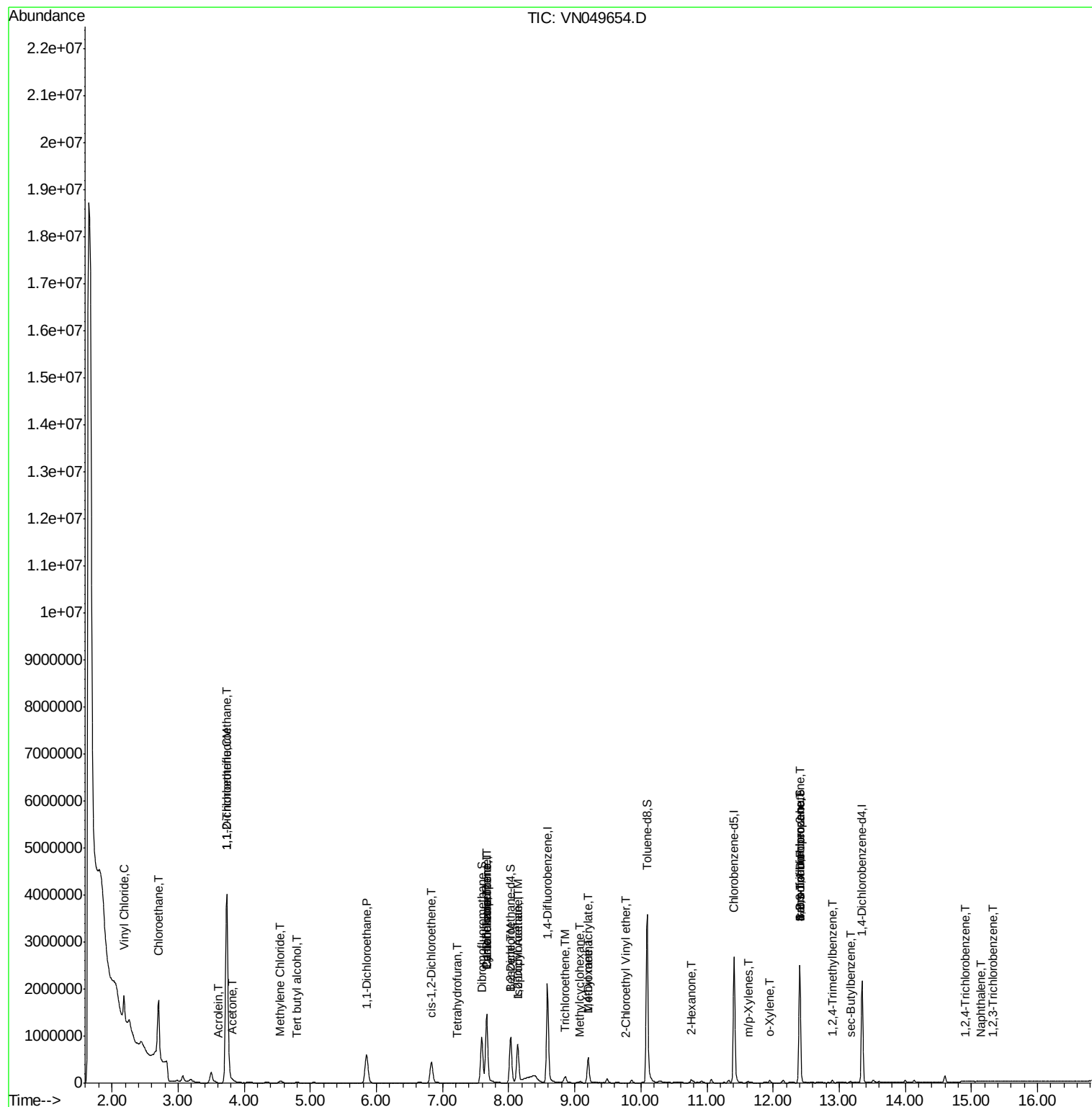
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
88) 1,4-Dichlorobenzene	13.37	146	1052	Below Cal	#	25
91) 1,2-Dichlorobenzene	13.66	146	4240	Below Cal		98
92) 1,2-Dibromo-3-Chloropropan	14.28	75	108	Below Cal	#	1
93) 1,2,4-Trichlorobenzene	14.91	180	617	2.45	uq/l	# 55
94) Hexachlorobutadiene	15.01	225	114	Below Cal	#	36
95) Naphthalene	15.14	128	1295	4.09	uq/l	# 82
96) 1,2,3-Trichlorobenzene	15.32	180	487	1.69	uq/l	# 53

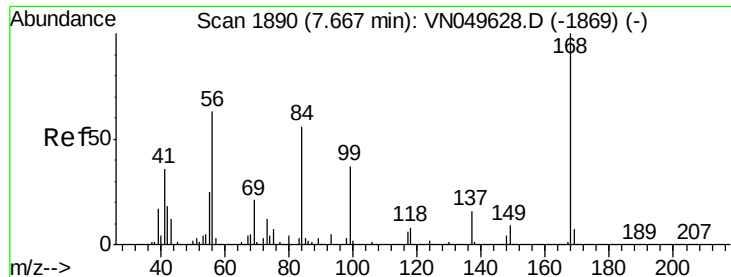
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN049654.D

Acq: 30 Jun 2018 18:18

Instrument :

MSVOA_N

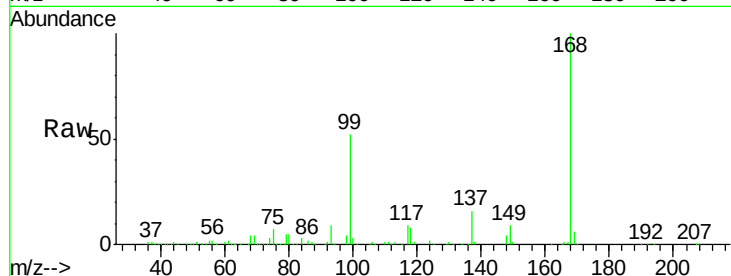
ClientSampled :

Tot Ion:168 Resp: 1293403

Ion Ratio Lower Upper

168 100

99 52.2 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

600000

500000

400000

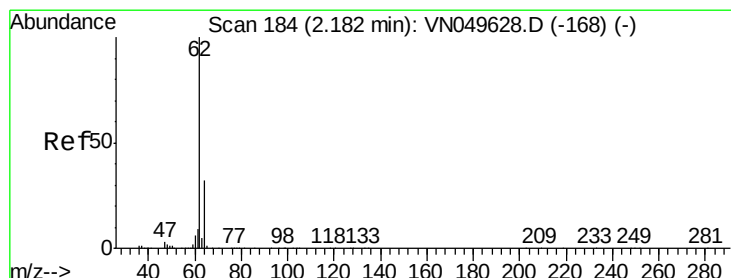
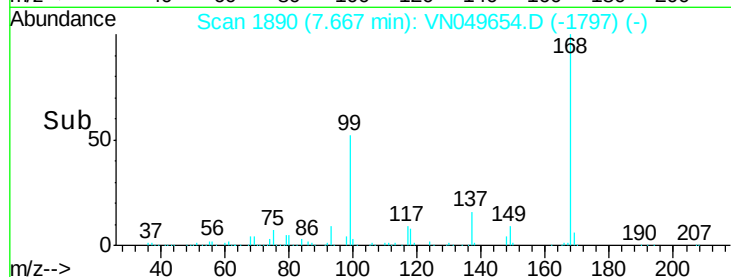
300000

200000

100000

0

Time-->



#4

Vinyl Chloride

Concen: 25.13 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN049654.D

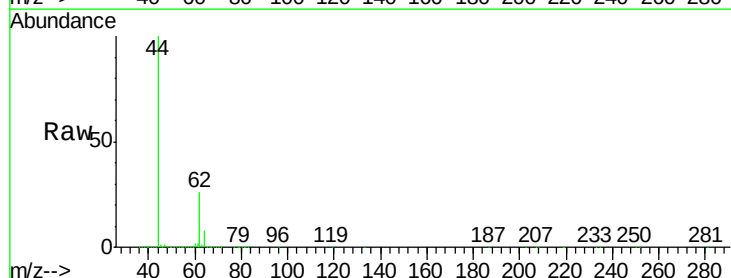
Acq: 30 Jun 2018 18:18

Tgt Ion: 62 Resp: 491461

Ion Ratio Lower Upper

62 100

64 32.5 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.18

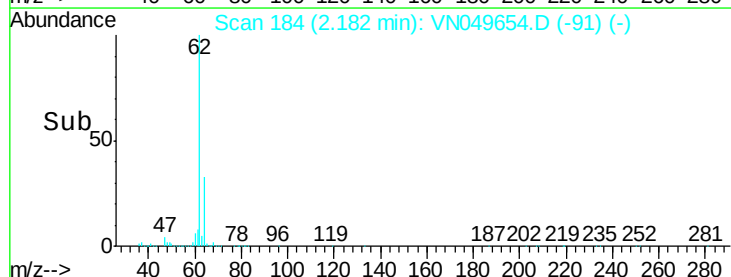
300000

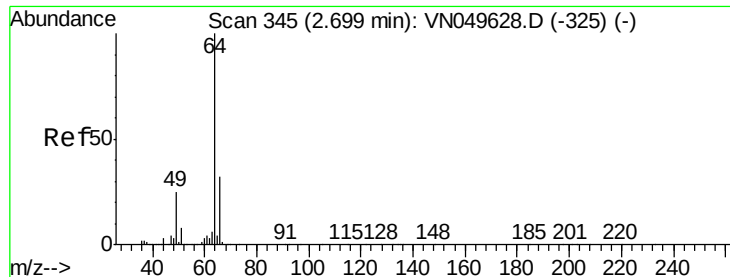
200000

100000

0

Time-->





#6

Chloroethane

Concen: 85.77 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN049654.D

Acq: 30 Jun 2018 18:18

Instrument :

MSVOA_N

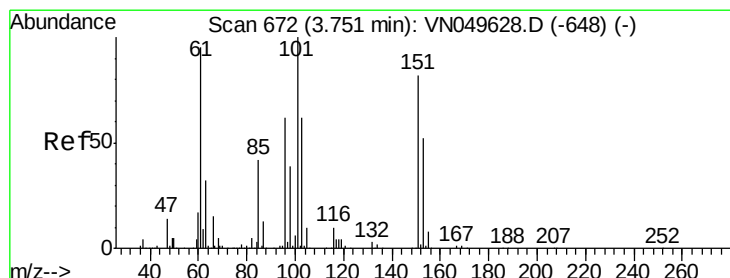
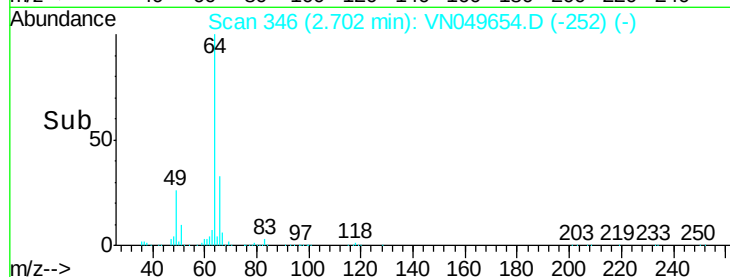
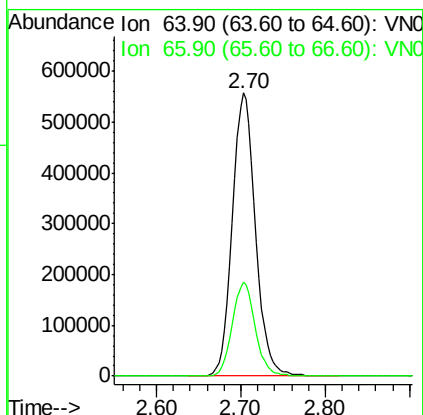
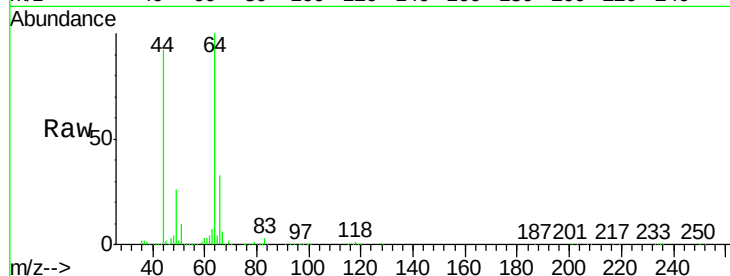
ClientSampleId :

Tot Ion: 64 Resp: 1061451

Ion Ratio Lower Upper

64 100

66 33.0 25.6 38.4



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.36 ug/l

RT: 3.73 min Scan# 666

Delta R.T. -0.02 min

Lab File: VN049654.D

Acq: 30 Jun 2018 18:18

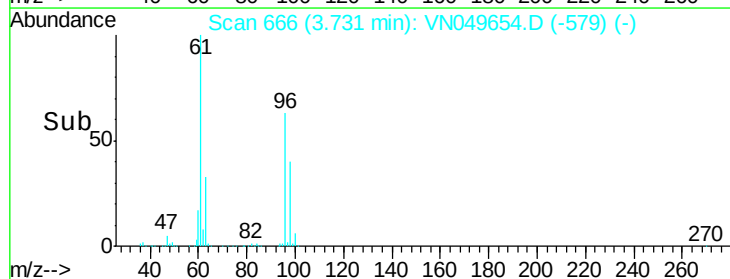
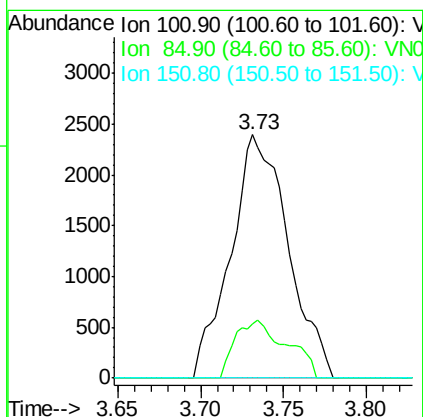
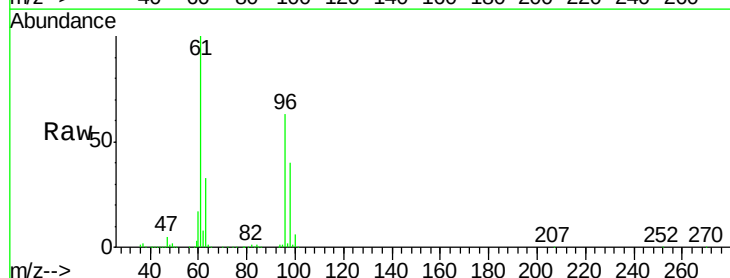
Tgt Ion: 101 Resp: 5787

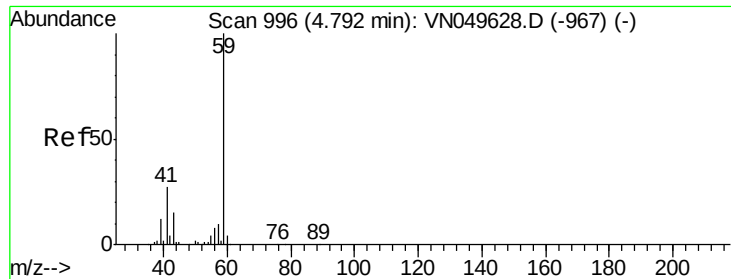
Ion Ratio Lower Upper

101 100

85 0.0 34.4 51.6#

151 0.0 66.2 99.4#





#11

Tert butyl alcohol

Concen: 16.42 ug/l

RT: 4.80 min Scan# 999

Delta R.T. 0.01 min

Lab File: VN049654.D

Acq: 30 Jun 2018 18:18

Instrument :

MSVOA_N

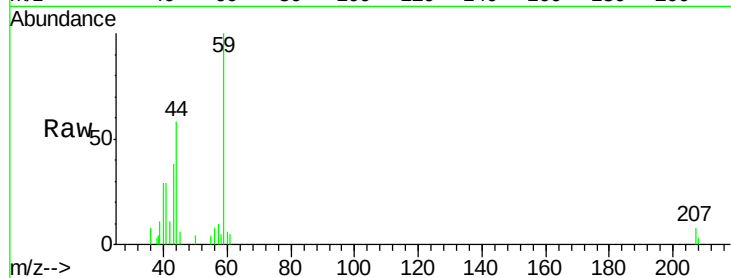
ClientSampled :

Tot Ion: 59 Resp: 16092

Ion Ratio Lower Upper

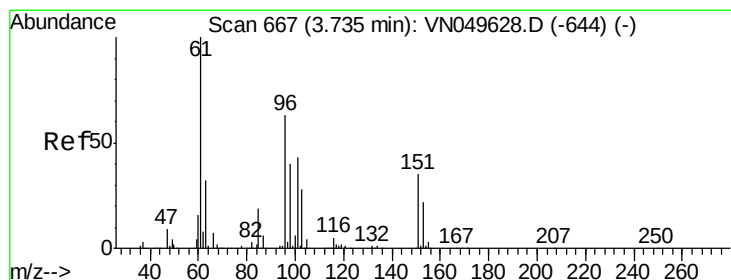
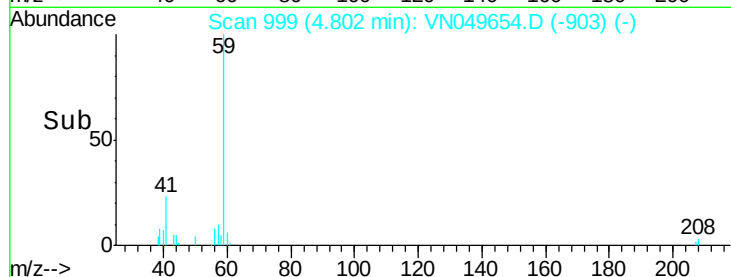
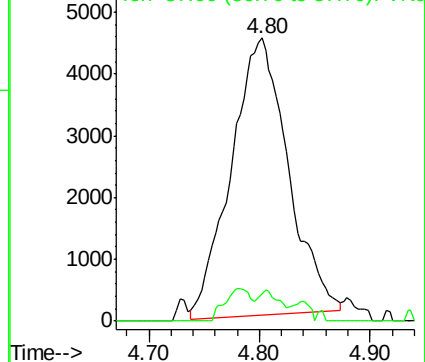
59 100

57 4.1 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VN049628.D (-967) (-)

Ion 57.00 (56.70 to 57.70): VN049628.D (-967) (-)



#12

1,1-Dichloroethene

Concen: 153.50 ug/l

RT: 3.73 min Scan# 667

Delta R.T. -0.00 min

Lab File: VN049654.D

Acq: 30 Jun 2018 18:18

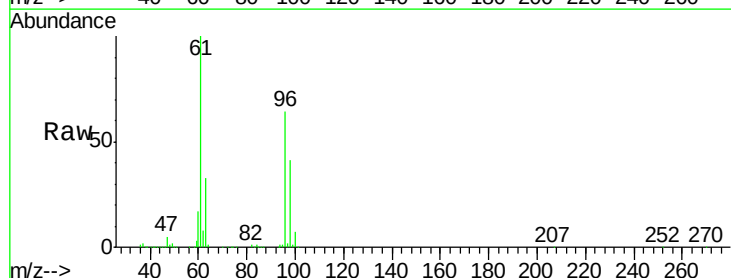
Tgt Ion: 96 Resp: 2331855

Ion Ratio Lower Upper

96 100

61 157.0 126.5 189.7

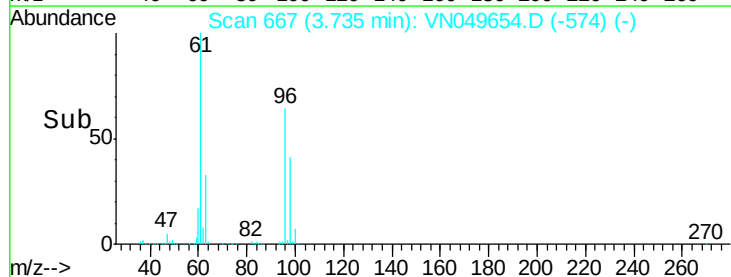
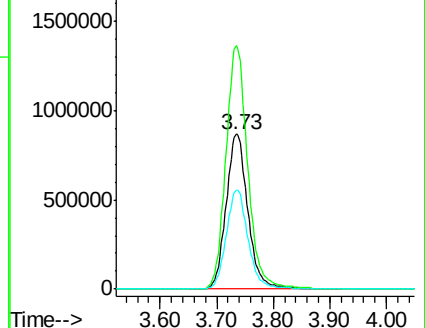
98 64.0 51.0 76.6

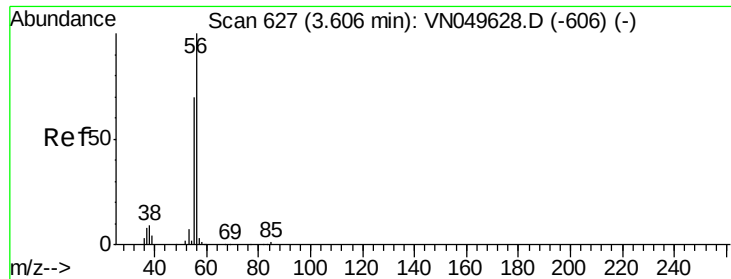


Abundance Ion 95.90 (95.60 to 96.60): VN049628.D (-644) (-)

Ion 60.90 (60.60 to 61.60): VN049628.D (-644) (-)

Ion 97.90 (97.60 to 98.60): VN049628.D (-644) (-)





#13

Acrolein

Concen: 0.36 ug/l

RT: 3.61 min Scan# 629

Delta R.T. 0.01 min

Lab File: VN049654.D

Acq: 30 Jun 2018 18:18

Instrument :

MSVOA_N

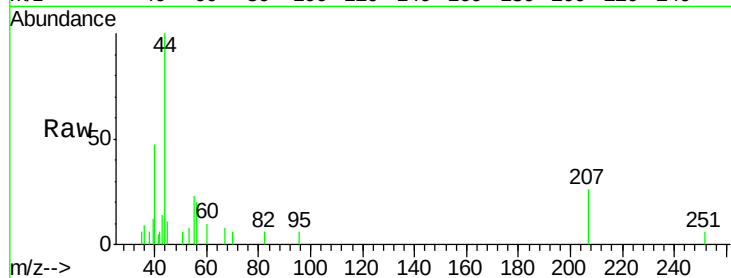
ClientSampleId :

Tot Ion: 56 Resp: 326

Ion Ratio Lower Upper

56 100

55 0.0 55.8 83.8#



Abundance Ion 56.00 (55.70 to 56.70): VN049628.D (-606) (-)

Ion 55.00 (54.70 to 55.70): VN049628.D (-606) (-)

2500

2000

1500

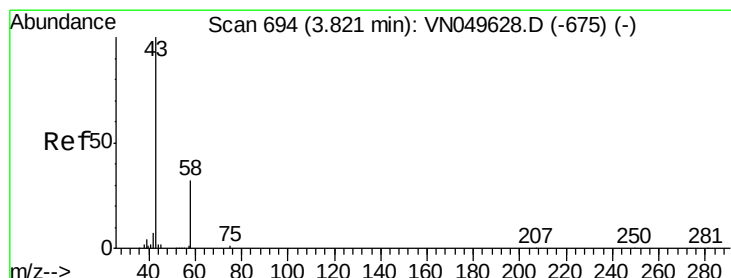
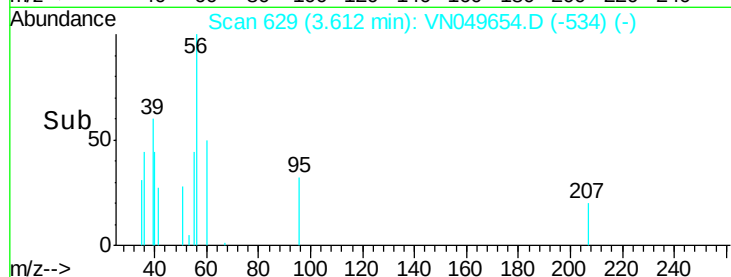
1000

500

0

3.59 3.60 3.61 3.62 3.63

Time-->



#16

Acetone

Concen: 0.72 ug/l

RT: 3.83 min Scan# 696

Delta R.T. 0.01 min

Lab File: VN049654.D

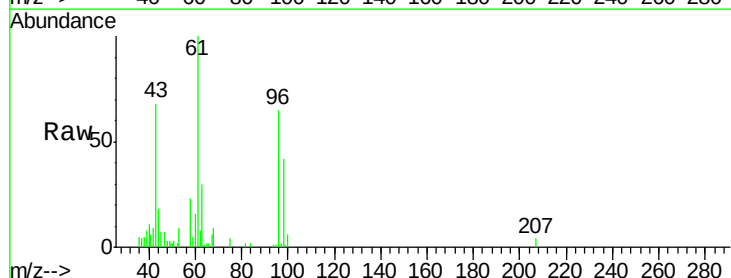
Acq: 30 Jun 2018 18:18

Tgt Ion: 43 Resp: 29807

Ion Ratio Lower Upper

43 100

58 32.9 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VN049628.D (-675) (-)

Ion 58.00 (57.70 to 58.70): VN049628.D (-675) (-)

12000

10000

8000

6000

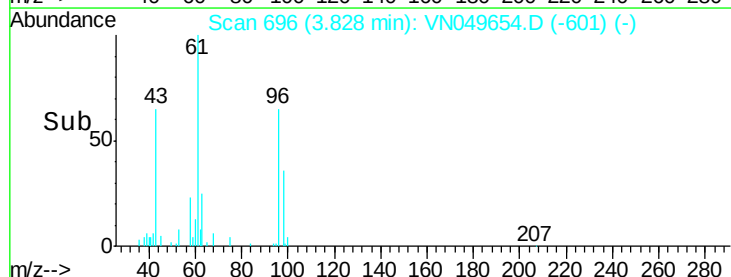
4000

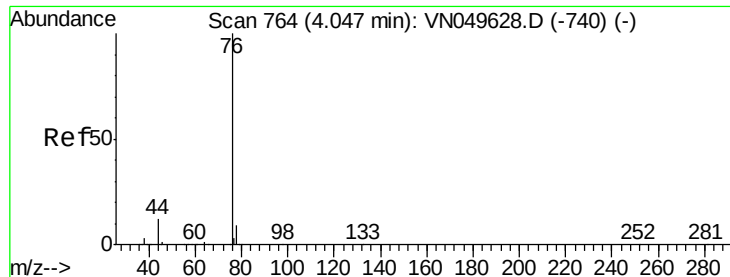
2000

0

3.80 3.83 3.90

Time-->





#17

Carbon Disulfide

Concen: Below Cal

RT: 4.05 min Scan# 765

Delta R.T. 0.00 min

Lab File: VN049654.D

Acq: 30 Jun 2018 18:18

Instrument :

MSVOA_N

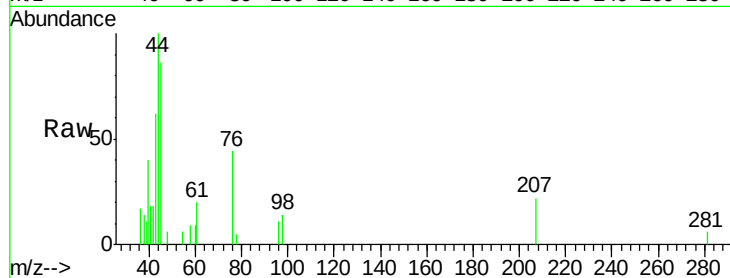
ClientSampled :

Tot Ion: 76 Resp: 3661

Ion Ratio Lower Upper

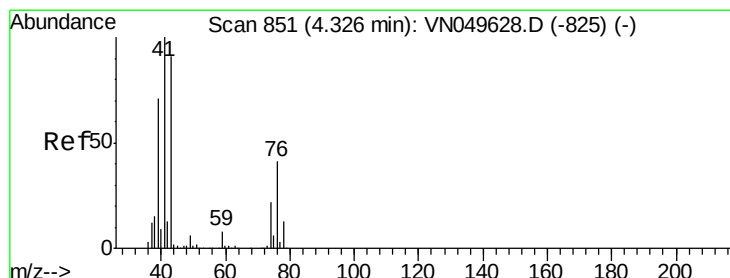
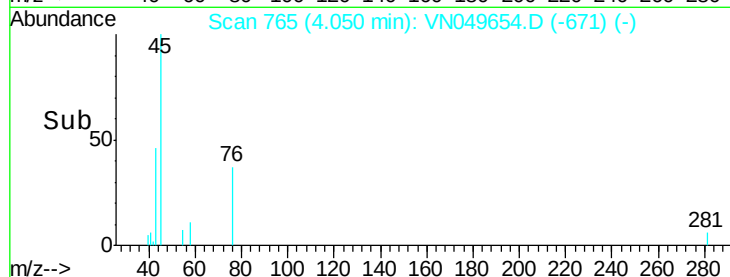
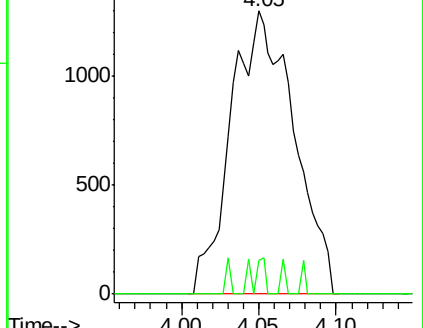
76 100

78 12.1 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VN049628.D (-740) (-)

Ion 77.90 (77.60 to 78.60): VN049628.D (-740) (-)



#18

Methyl Acetate

Concen: Below Cal

RT: 4.34 min Scan# 854

Delta R.T. 0.01 min

Lab File: VN049654.D

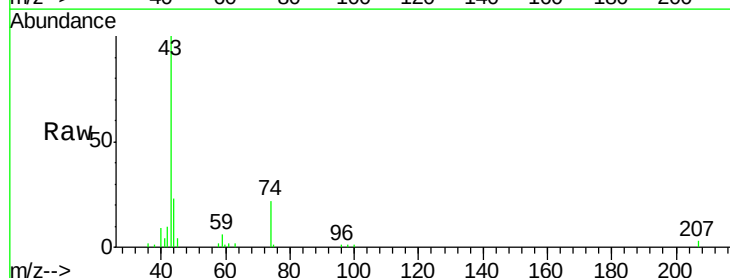
Acq: 30 Jun 2018 18:18

Tgt Ion: 43 Resp: 41256

Ion Ratio Lower Upper

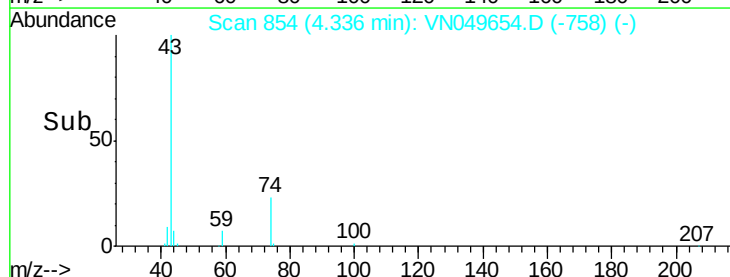
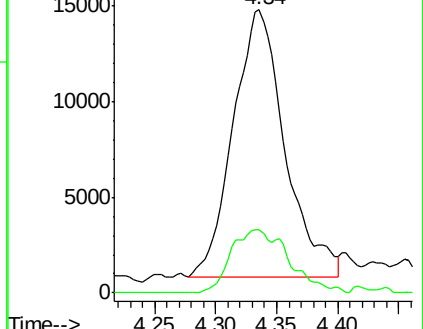
43 100

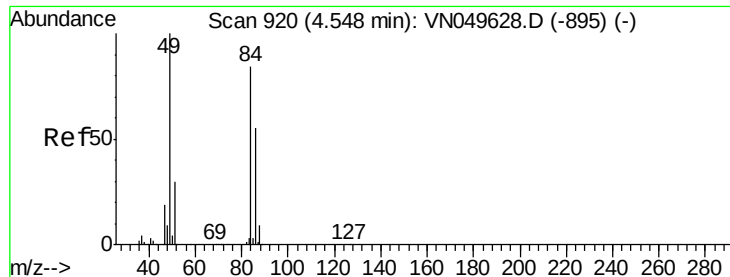
74 17.4 19.8 29.8#



Abundance Ion 43.00 (42.70 to 43.70): VN049628.D (-825) (-)

Ion 74.00 (73.70 to 74.70): VN049628.D (-825) (-)

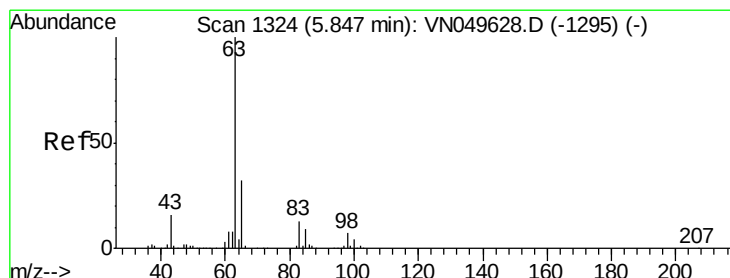
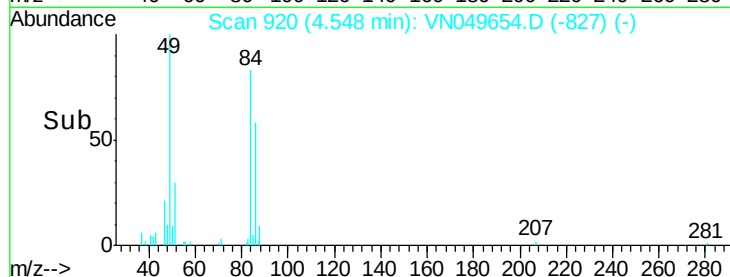
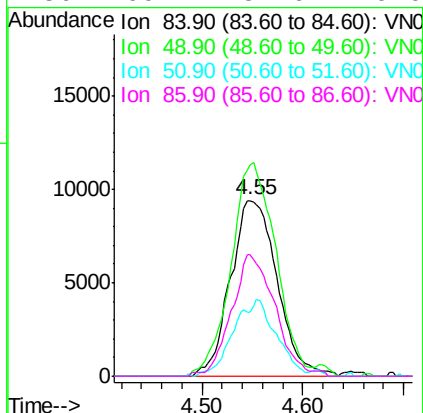
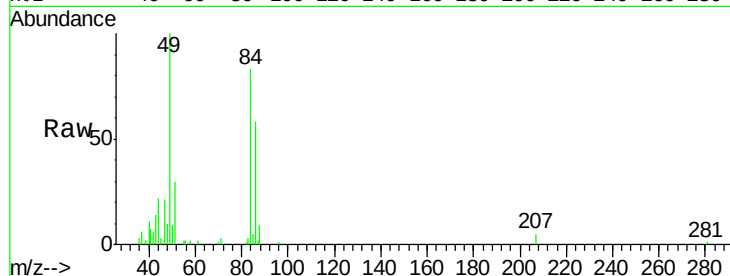




#20
Methylene Chloride
Concen: 1.72 ug/l
RT: 4.55 min Scan# 920
Delta R.T. -0.00 min
Lab File: VN049654.D
Acq: 30 Jun 2018 18:18

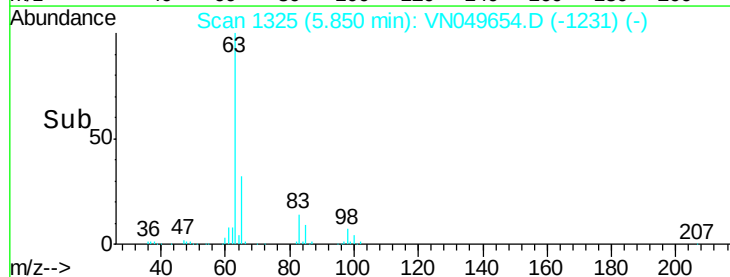
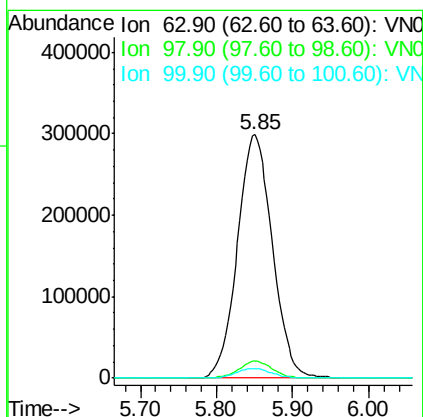
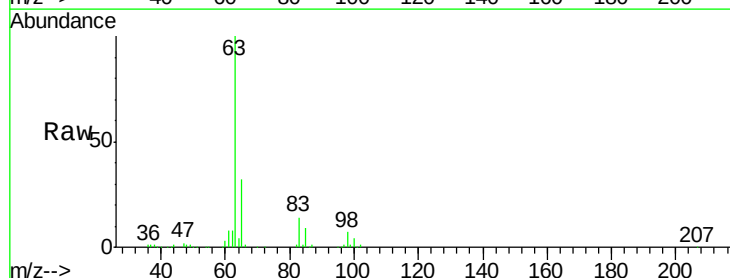
Instrument :
MSVOA_N
ClientSampleId :

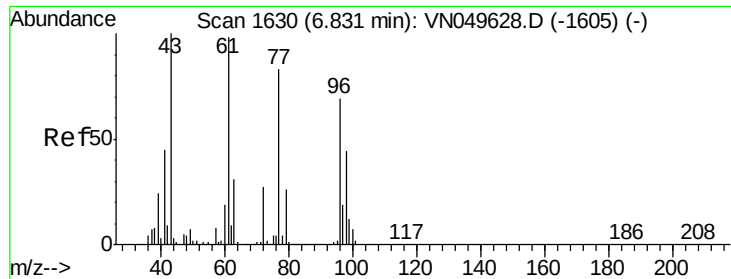
Tot Ion: 84 Resp: 30218
Ion Ratio Lower Upper
84 100
49 120.3 95.4 143.2
51 36.3 28.4 42.6
86 69.2 52.6 79.0



#24
1,1-Dichloroethane
Concen: 32.09 ug/l
RT: 5.85 min Scan# 1325
Delta R.T. 0.00 min
Lab File: VN049654.D
Acq: 30 Jun 2018 18:18

Tgt Ion: 63 Resp: 954393
Ion Ratio Lower Upper
63 100
98 7.2 3.4 10.2
100 3.9 2.2 6.6





#27

cis-1,2-Dichloroethene

Concen: 18.02 ug/l

RT: 6.83 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VN049654.D

Acq: 30 Jun 2018 18:18

Instrument :
MSVOA_N
ClientSampleId :

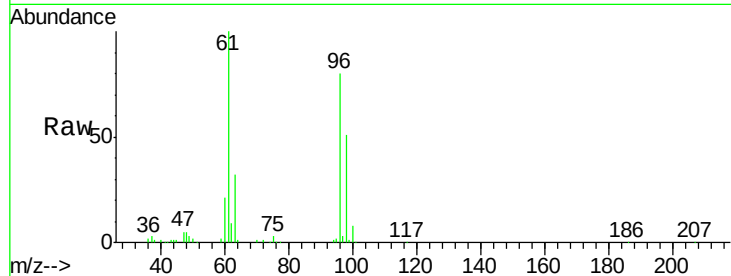
Tot Ion: 96 Resp: 314722

Ion Ratio Lower Upper

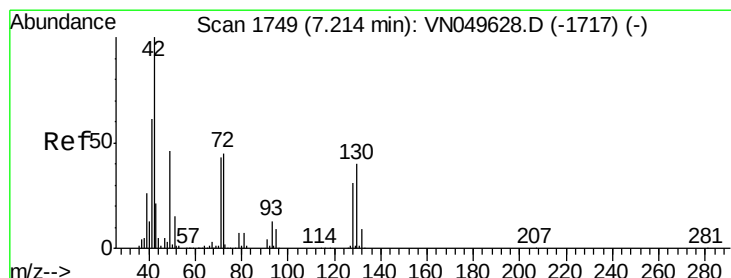
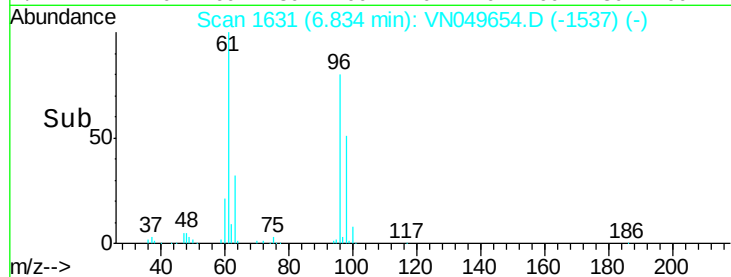
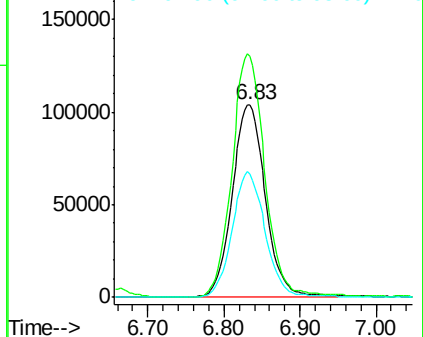
96 100

61 125.0 0.0 289.0

98 65.0 0.0 130.2



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



#29

Tetrahydrofuran

Concen: 0.48 ug/l

RT: 7.22 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VN049654.D

Acq: 30 Jun 2018 18:18

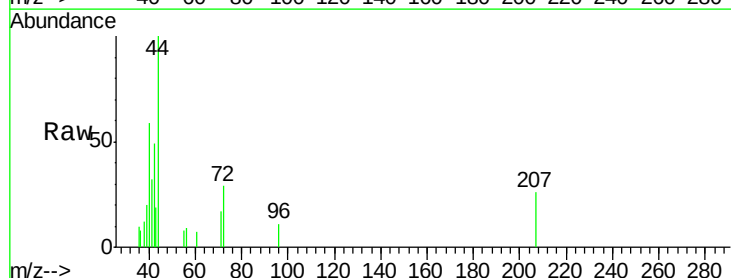
Tgt Ion: 42 Resp: 1734

Ion Ratio Lower Upper

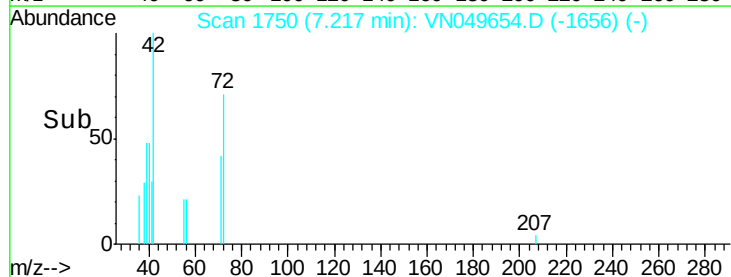
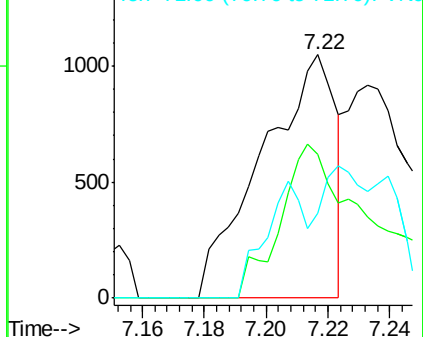
42 100

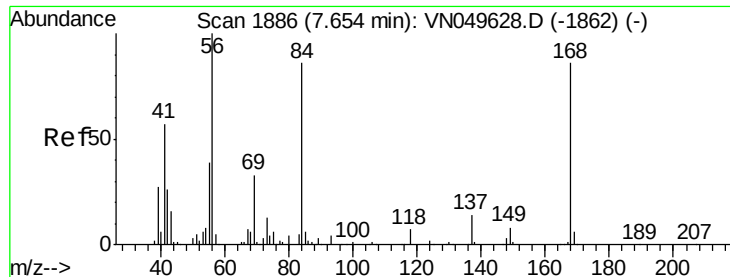
72 80.2 35.6 53.4#

71 14.1 34.0 51.0#



Abundance Ion 42.00 (41.70 to 42.70): VNO
Ion 72.00 (71.70 to 72.70): VNO
Ion 71.00 (70.70 to 71.70): VNO





#31

Cyclohexane

Concen: 0.31 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.01 min

Lab File: VN049654.D

Acq: 30 Jun 2018 18:18

Instrument :

MSVOA_N

ClientSampled :

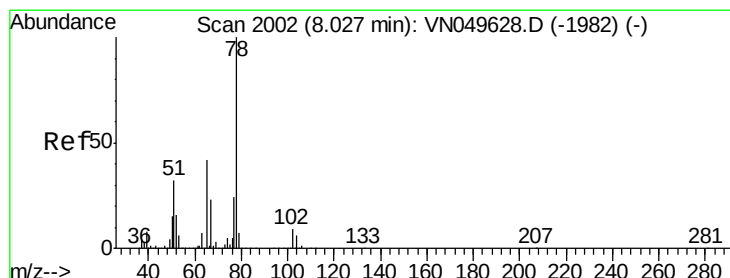
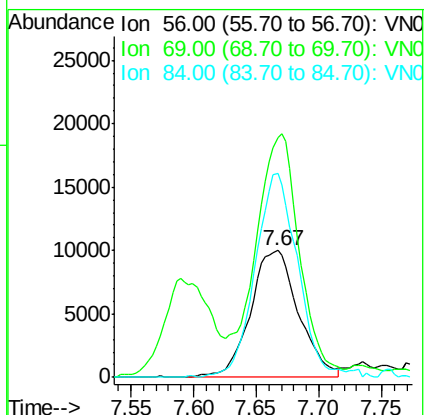
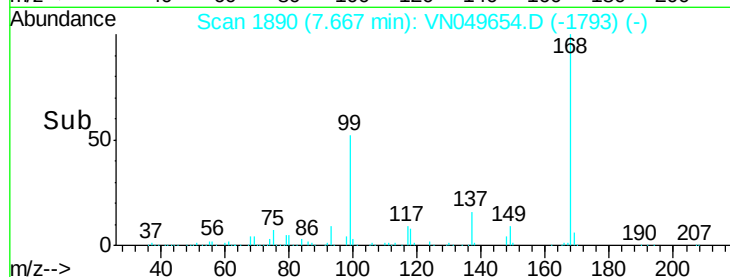
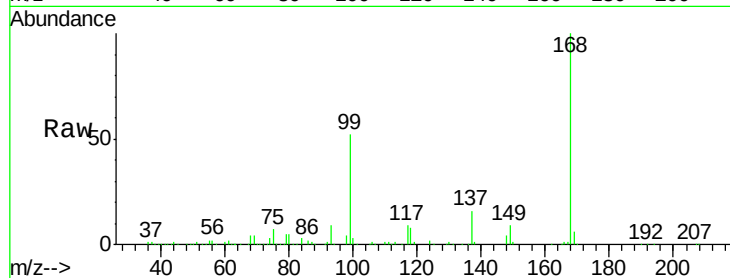
Tot Ion: 56 Resp: 26752

Ion Ratio Lower Upper

56 100

69 180.8 26.6 40.0#

84 159.8 69.0 103.6#



#33

1,2-Dichloroethane-d4

Concen: 49.14 ug/l

RT: 8.03 min Scan# 2002

Delta R.T. -0.00 min

Lab File: VN049654.D

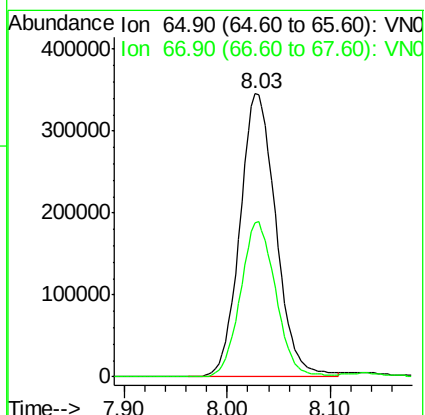
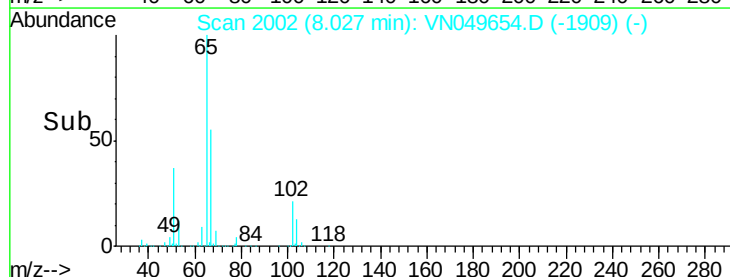
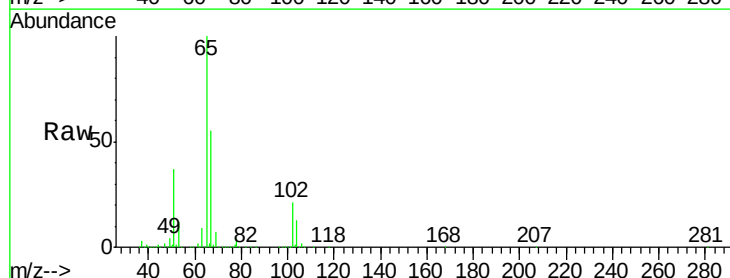
Acq: 30 Jun 2018 18:18

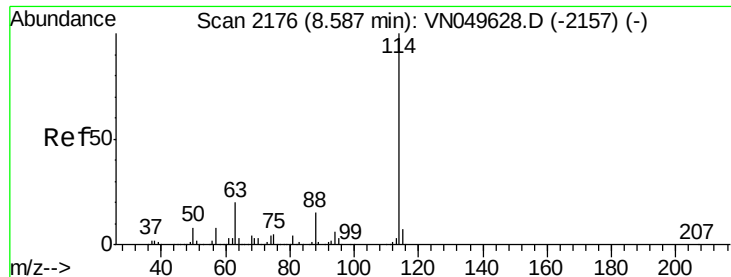
Tgt Ion: 65 Resp: 839391

Ion Ratio Lower Upper

65 100

67 53.4 0.0 107.2

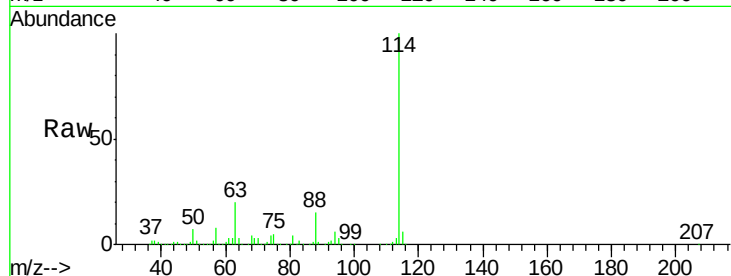




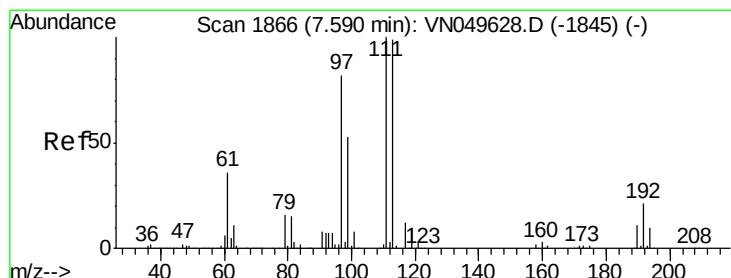
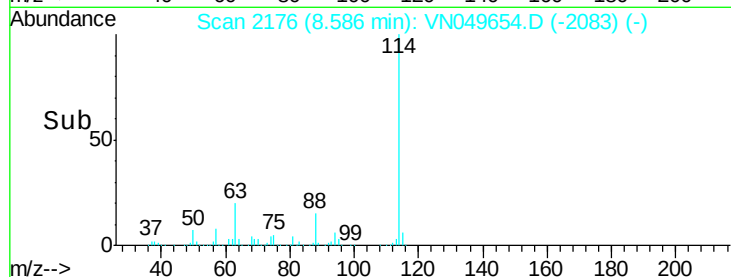
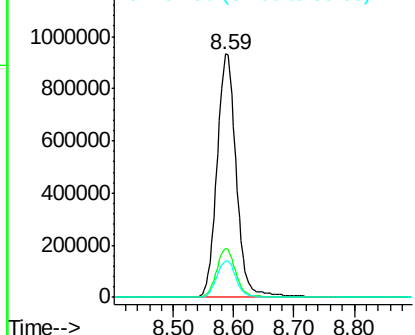
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN049654.D
 Acq: 30 Jun 2018 18:18

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:114 Resp: 2044686
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 39.8
 88 15.1 0.0 30.6

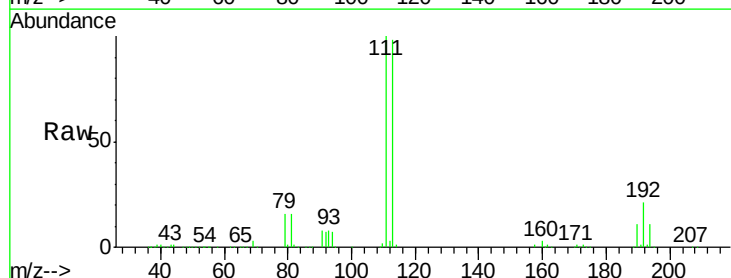


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

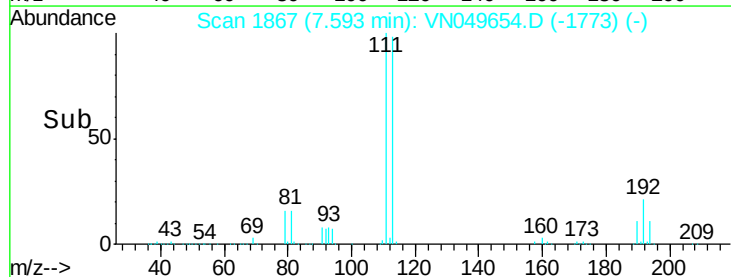
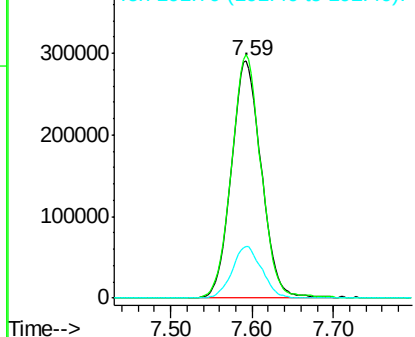


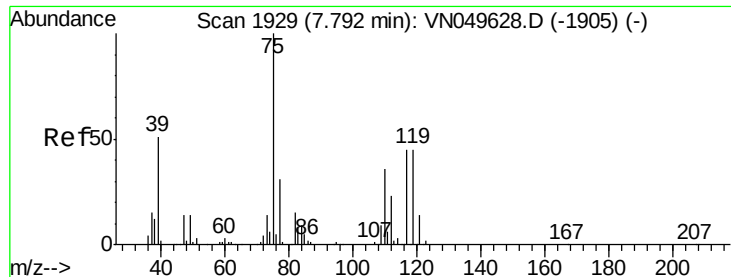
#35
 Dibromofluoromethane
 Concen: 48.79 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN049654.D
 Acq: 30 Jun 2018 18:18

Tgt Ion:113 Resp: 745872
 Ion Ratio Lower Upper
 113 100
 111 101.4 81.8 122.8
 192 21.6 17.8 26.6



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

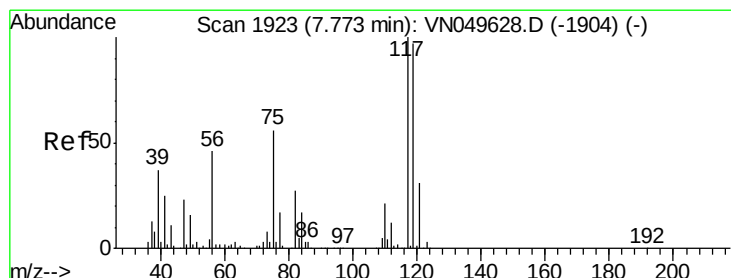
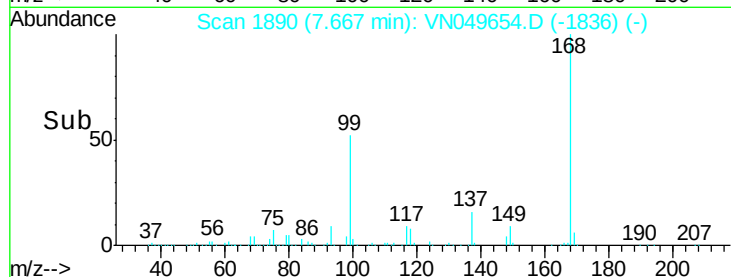
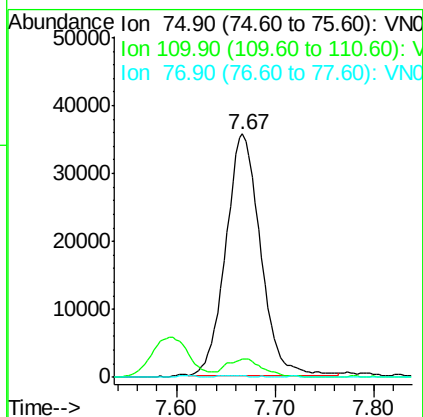
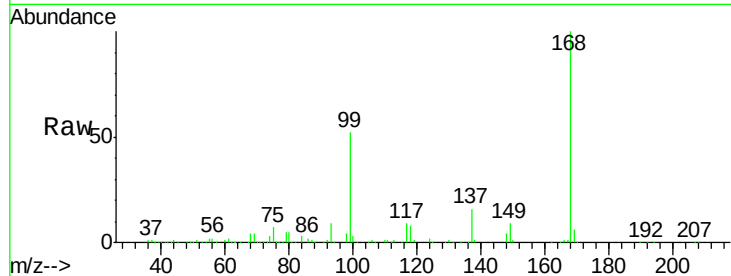




#36
 1,1-Dichloropropene
 Concen: 3.77 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN049654.D
 Acq: 30 Jun 2018 18:18

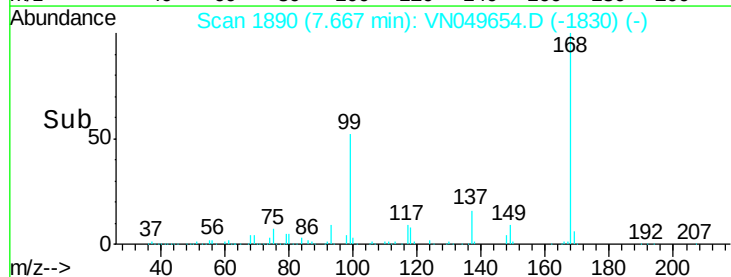
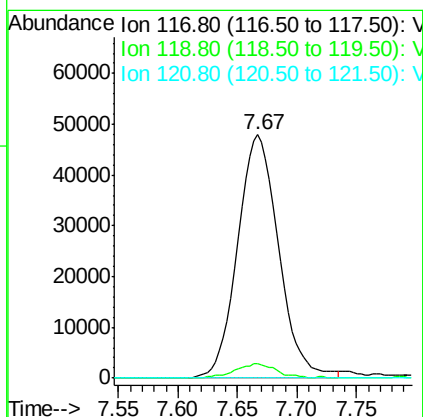
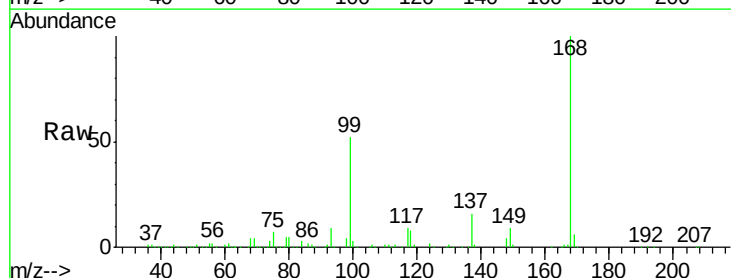
Instrument :
 MSVOA_N
 ClientSampled :

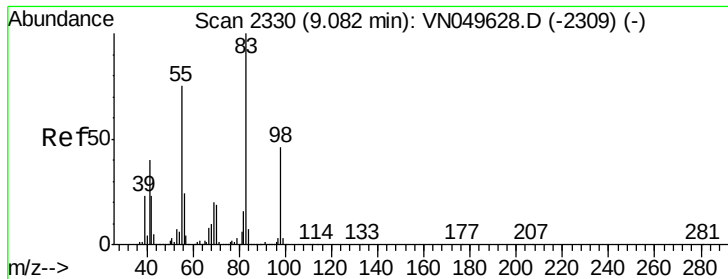
Tot Ion: 75 Resp: 86641
 Ion Ratio Lower Upper
 75 100
 110 8.1 18.1 54.4#
 77 0.0 24.9 37.3#



#38
 Carbon Tetrachloride
 Concen: 5.13 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.11 min
 Lab File: VN049654.D
 Acq: 30 Jun 2018 18:18

Tgt Ion: 117 Resp: 114701
 Ion Ratio Lower Upper
 117 100
 119 6.1 77.2 115.8#
 121 0.0 25.0 37.6#

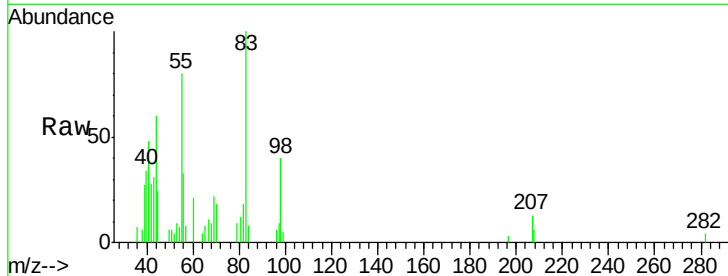




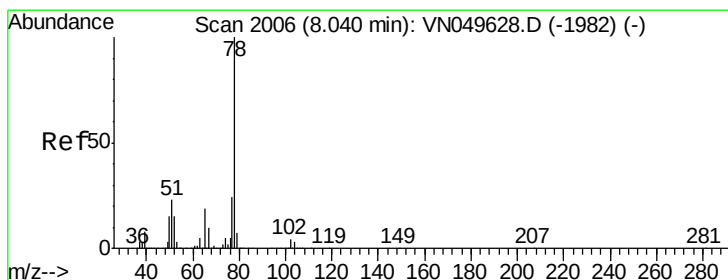
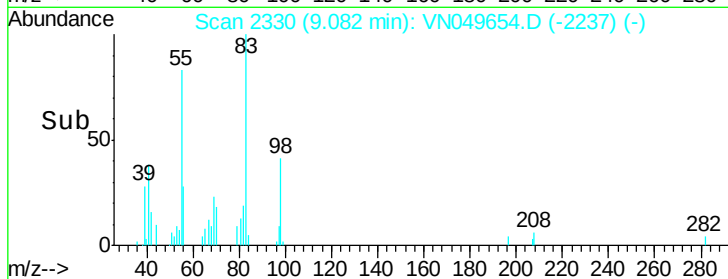
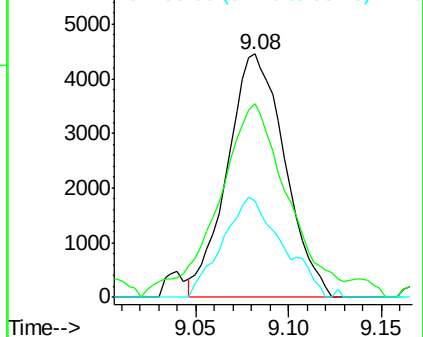
#39
Methylvlcyclohexane
Concen: 0.38 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN049654.D
Acq: 30 Jun 2018 18:18

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 83 Resp: 9566
Ion Ratio Lower Upper
83 100
55 72.2 59.7 89.5
98 39.5 36.5 54.7

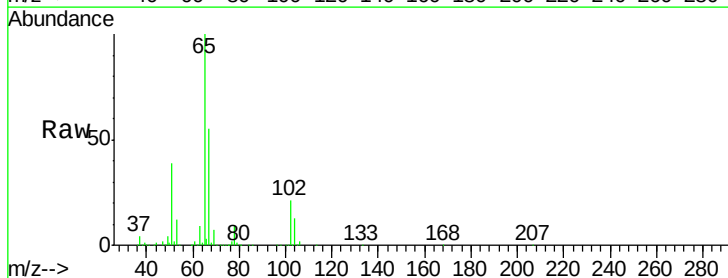


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

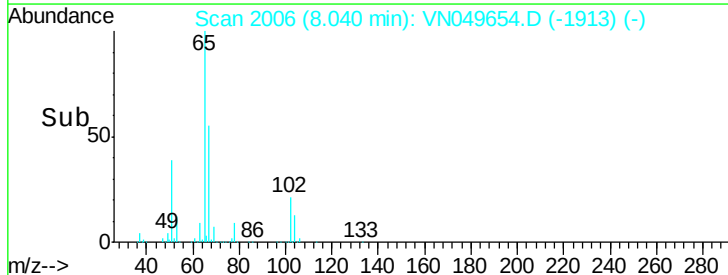
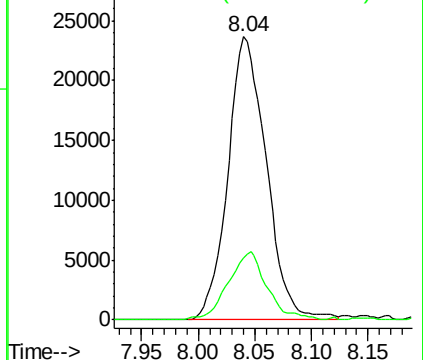


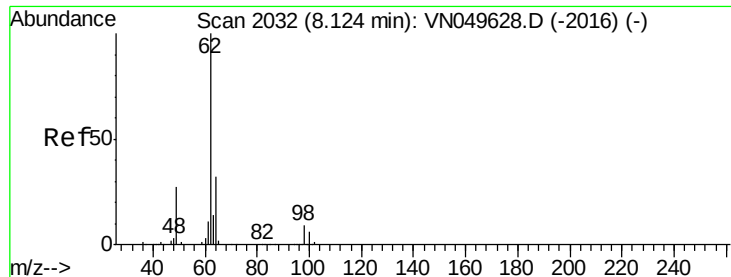
#40
Benzene
Concen: 0.80 ug/l
RT: 8.04 min Scan# 2006
Delta R.T. -0.00 min
Lab File: VN049654.D
Acq: 30 Jun 2018 18:18

Tgt Ion: 78 Resp: 55949
Ion Ratio Lower Upper
78 100
77 22.0 19.0 28.4



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0





#42

1,2-Dichloroethane

Concen: 7.52 ug/l

RT: 8.13 min Scan# 2033

Delta R.T. 0.00 min

Lab File: VN049654.D

Acq: 30 Jun 2018 18:18

Instrument :

MSVOA_N

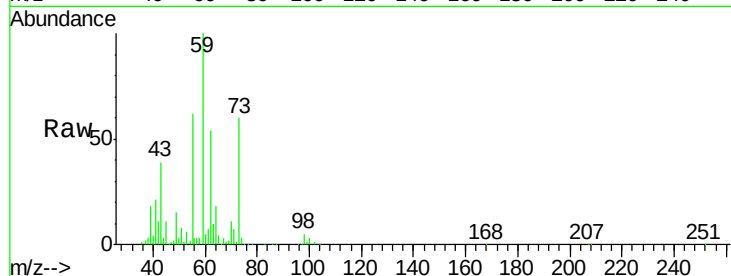
ClientSampled :

Tot Ion: 62 Resp: 168543

Ion Ratio Lower Upper

62 100

98 9.9 0.0 19.0



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

8.13

80000

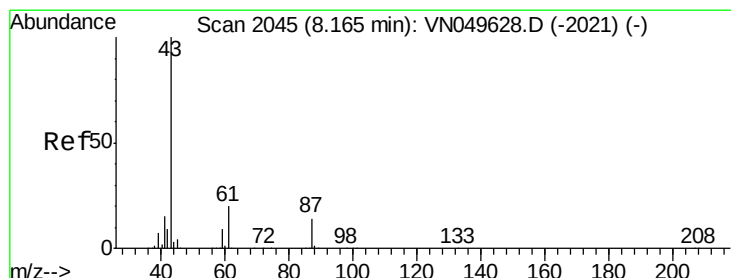
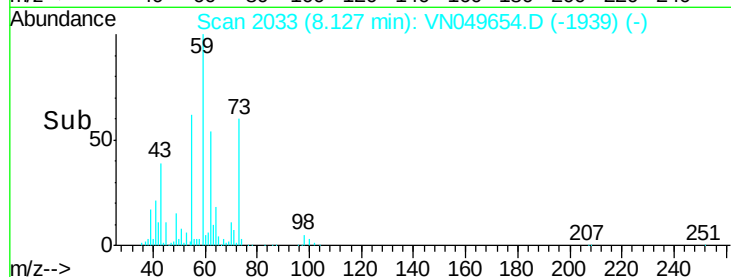
60000

40000

20000

0

Time--> 8.00 8.10 8.20



#43

Isopropyl Acetate

Concen: 5.44 ug/l

RT: 8.14 min Scan# 2036

Delta R.T. -0.03 min

Lab File: VN049654.D

Acq: 30 Jun 2018 18:18

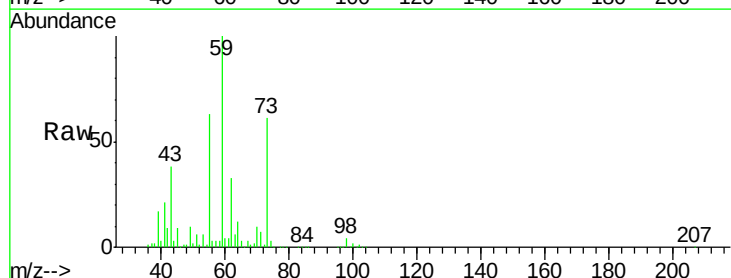
Tgt Ion: 43 Resp: 158779

Ion Ratio Lower Upper

43 100

61 13.1 14.9 22.3#

87 0.1 10.0 15.0#



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

8.14

80000

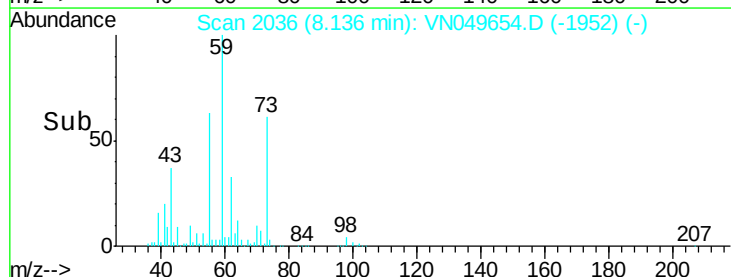
60000

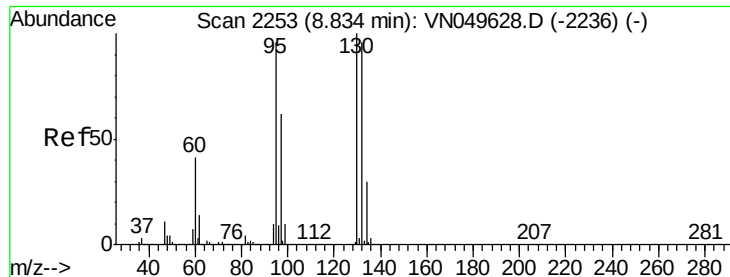
40000

20000

0

Time--> 8.05 8.10 8.15 8.20





#44

Trichloroethene

Concen: 0.79 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN049654.D

Acq: 30 Jun 2018 18:18

Instrument :

MSVOA_N

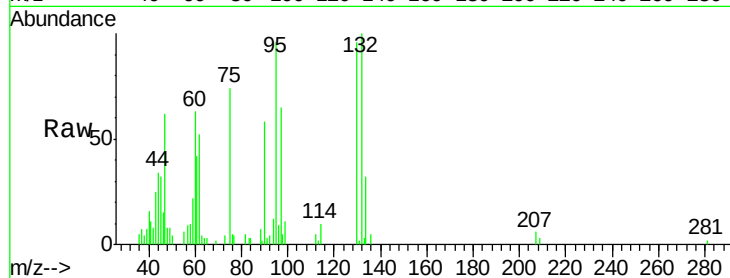
ClientSampled :

Tot Ion:130 Resp: 16789

Ion Ratio Lower Upper

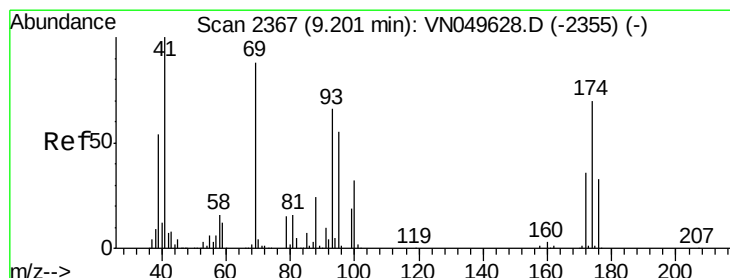
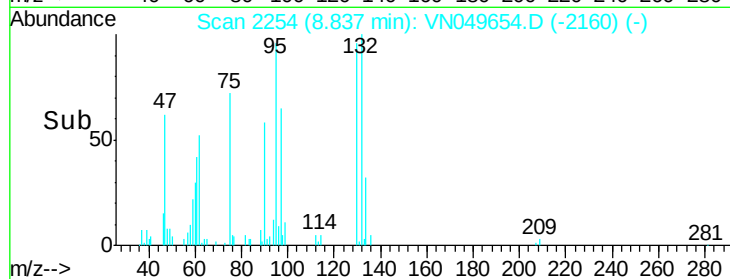
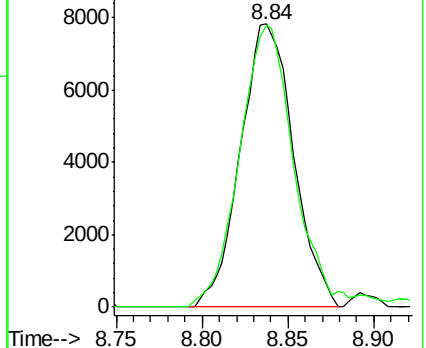
130 100

95 99.8 0.0 192.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0



#48

Methyl methacrylate

Concen: 0.62 ug/l

RT: 9.19 min Scan# 2365

Delta R.T. -0.01 min

Lab File: VN049654.D

Acq: 30 Jun 2018 18:18

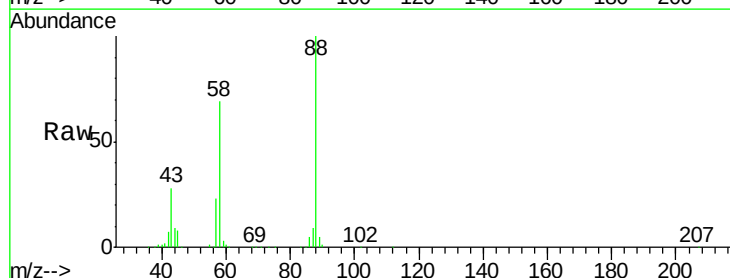
Tgt Ion: 41 Resp: 7361

Ion Ratio Lower Upper

41 100

69 15.3 71.5 107.3#

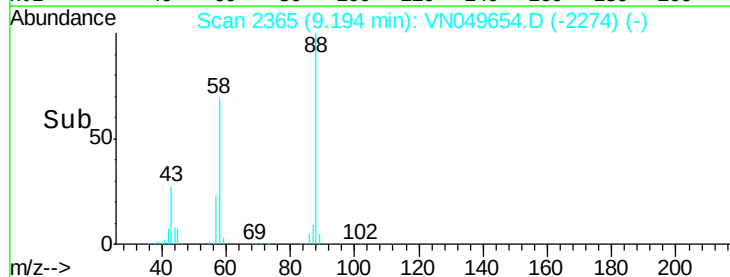
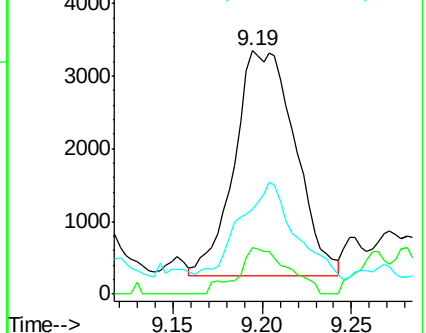
39 45.1 44.7 67.1

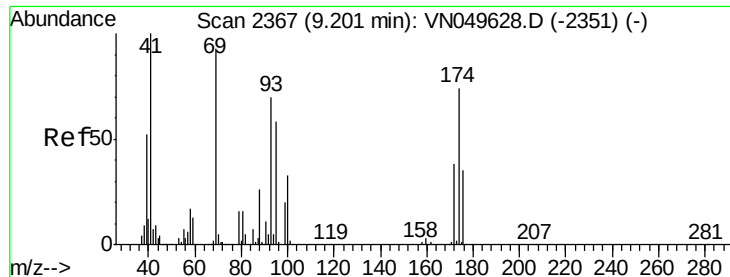


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

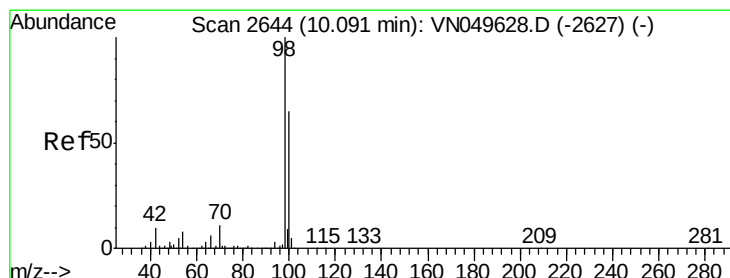
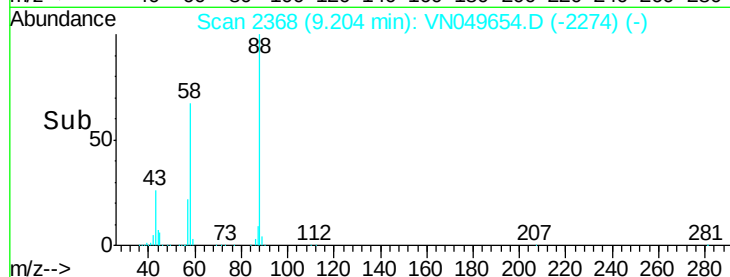
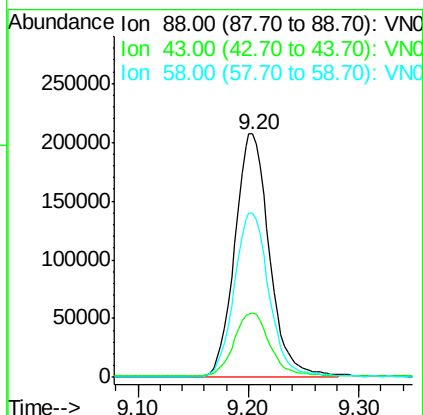
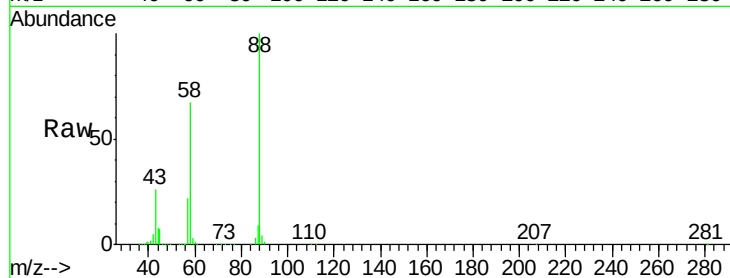




#49
 1,4-Dioxane
 Concen: 2819.95 ug/l
 RT: 9.20 min Scan# 2368
 Delta R.T. 0.00 min
 Lab File: VN049654.D
 Acq: 30 Jun 2018 18:18

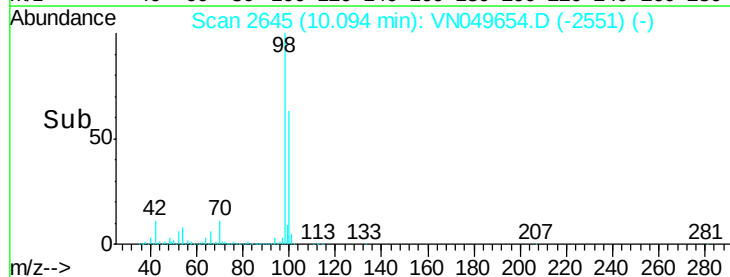
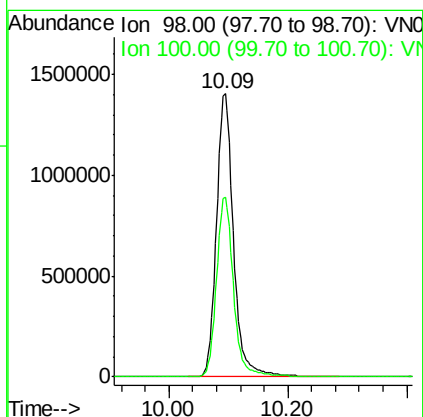
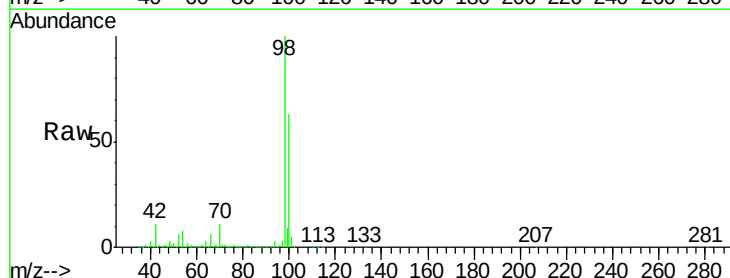
Instrument :
 MSVOA_N
 ClientSampled :

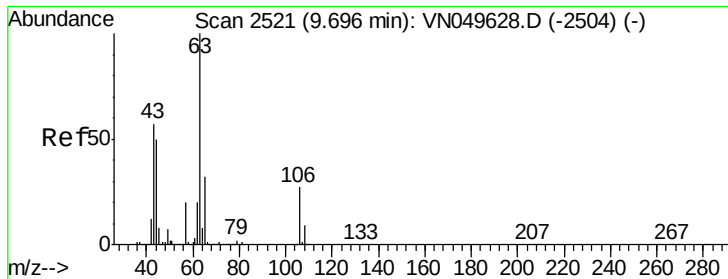
Tot Ion: 88 Resp: 452021
 Ion Ratio Lower Upper
 88 100
 43 26.5 25.1 37.7
 58 68.5 52.5 78.7



#50
 Toluene-d8
 Concen: 46.41 ug/l
 RT: 10.09 min Scan# 2645
 Delta R.T. 0.00 min
 Lab File: VN049654.D
 Acq: 30 Jun 2018 18:18

Tgt Ion: 98 Resp: 2777039
 Ion Ratio Lower Upper
 98 100
 100 63.6 51.7 77.5

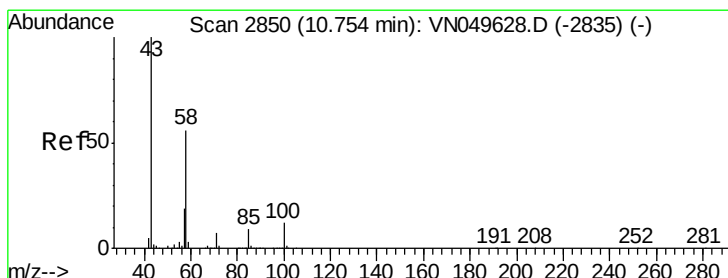
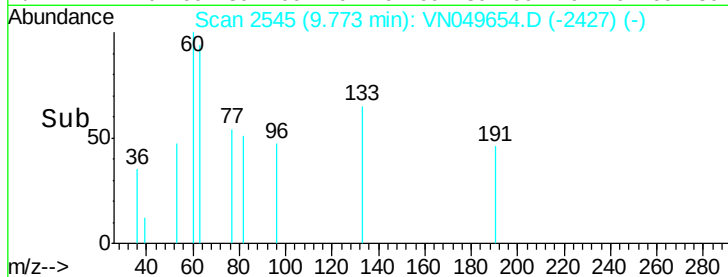
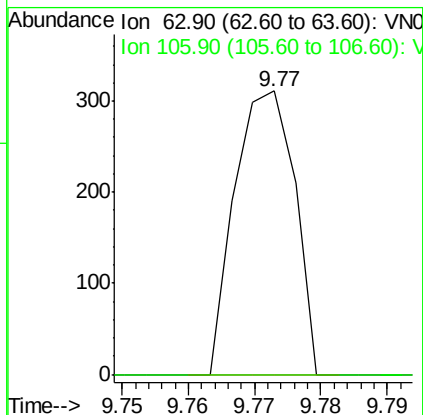
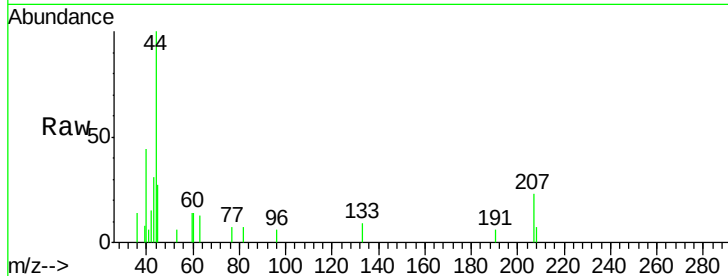




#58
 2-Chloroethyl Vinyl ether
 Concen: 10.84 ug/l
 RT: 9.77 min Scan# 2545
 Delta R.T. 0.08 min
 Lab File: VN049654.D
 Acq: 30 Jun 2018 18:18

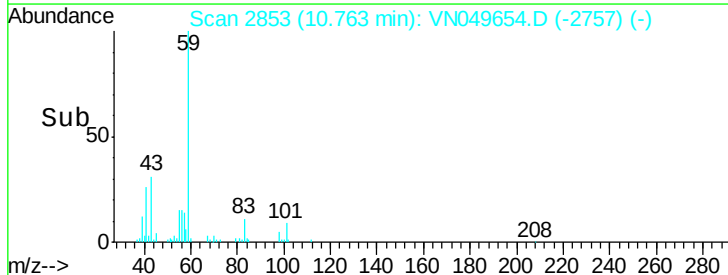
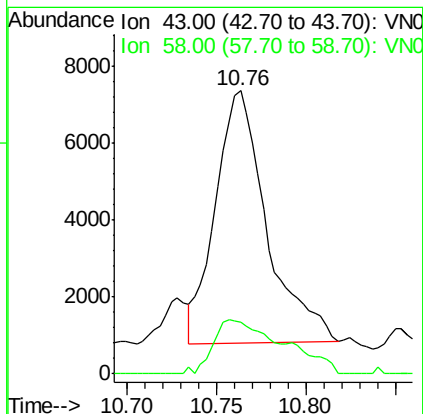
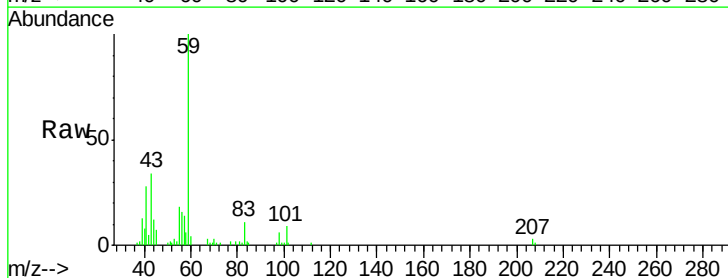
Instrument :
 MSVOA_N
 ClientSampleId :

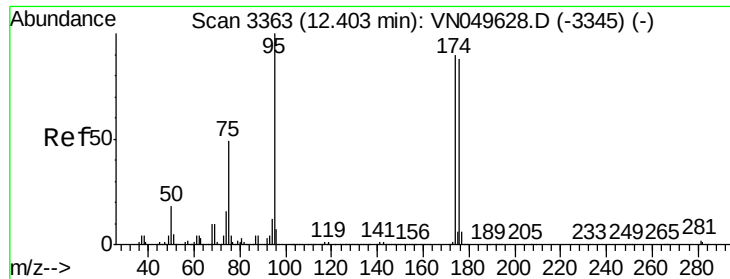
Tot Ion: 63 Resp: 195
 Ion Ratio Lower Upper
 63 100
 106 0.0 21.8 32.8#



#59
 2-Hexanone
 Concen: 1.52 ug/l
 RT: 10.76 min Scan# 2853
 Delta R.T. 0.01 min
 Lab File: VN049654.D
 Acq: 30 Jun 2018 18:18

Tgt Ion: 43 Resp: 13210
 Ion Ratio Lower Upper
 43 100
 58 29.3 27.8 83.4





#62

4-Bromofluorobenzene

Concen: 39.03 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN049654.D

Acq: 30 Jun 2018 18:18

Instrument :

MSVOA_N

ClientSampleId :

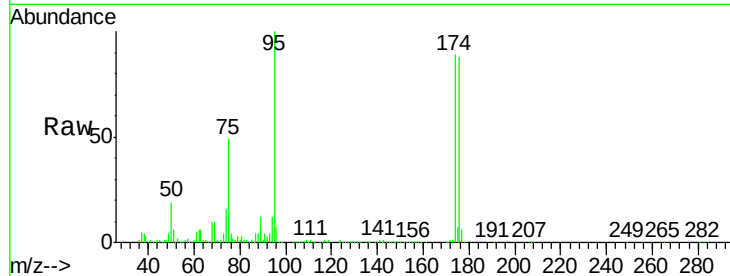
Tot Ion: 95 Resp: 797218

Ion Ratio Lower Upper

95 100

174 90.9 0.0 179.6

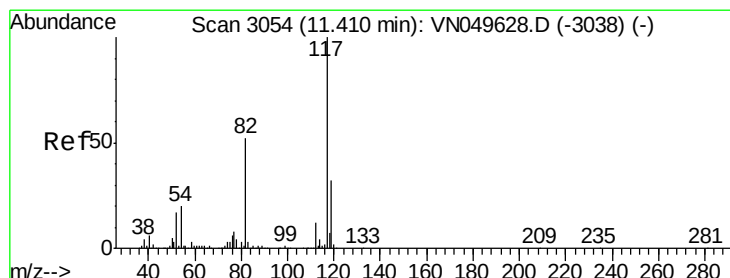
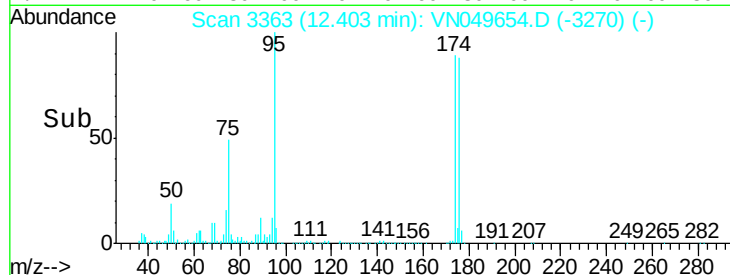
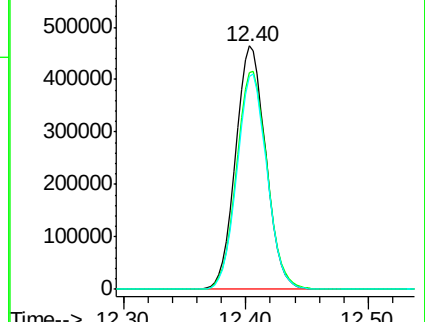
176 87.6 0.0 174.0



Abundance Ion 94.90 (94.60 to 95.60): VN049628.D (-3345) (-)

Ion 173.80 (173.50 to 174.50): VN049628.D (-3345) (-)

Ion 175.80 (175.50 to 176.50): VN049628.D (-3345) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. -0.00 min

Lab File: VN049654.D

Acq: 30 Jun 2018 18:18

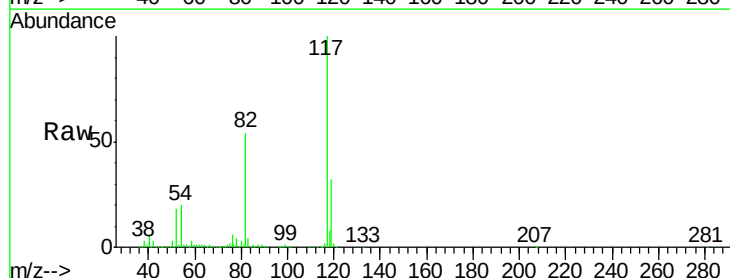
Tgt Ion: 117 Resp: 1684499

Ion Ratio Lower Upper

117 100

82 53.9 41.9 62.9

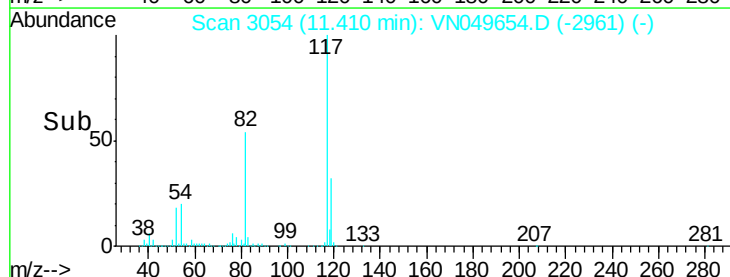
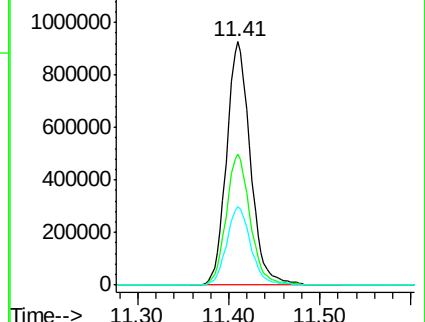
119 32.1 25.4 38.2

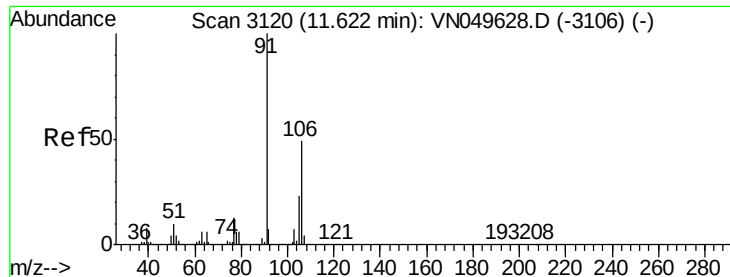


Abundance Ion 116.90 (116.60 to 117.60): VN049628.D (-3038) (-)

Ion 82.00 (81.70 to 82.70): VN049628.D (-3038) (-)

Ion 118.90 (118.60 to 119.60): VN049628.D (-3038) (-)

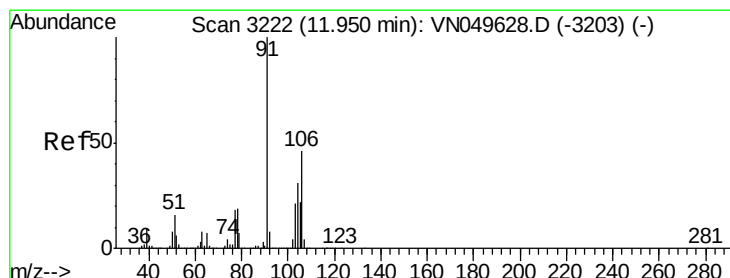
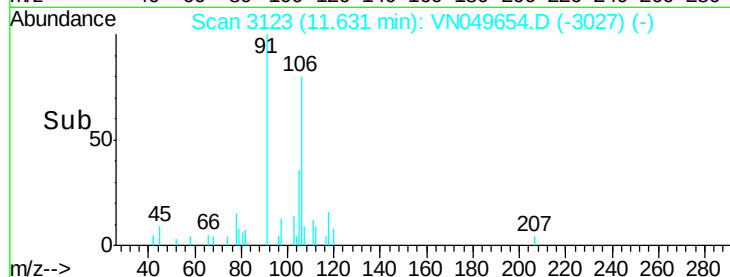
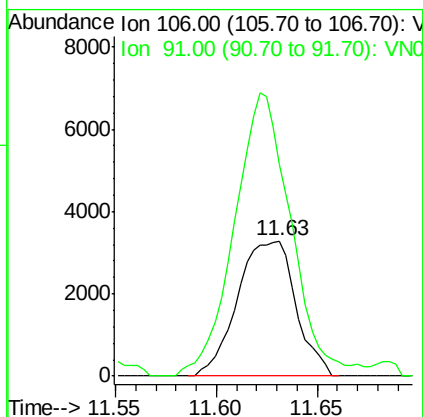
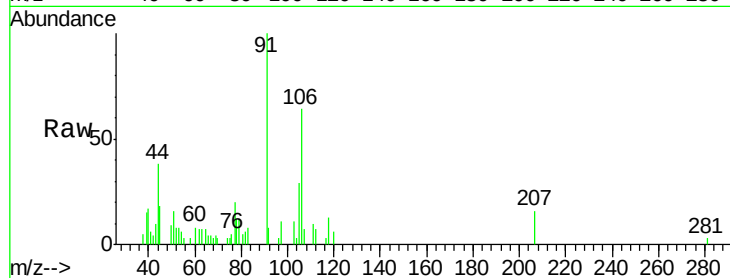




#68
m/p-Xylenes
Concen: 0.24 ug/l
RT: 11.63 min Scan# 3123
Delta R.T. 0.01 min
Lab File: VN049654.D
Acq: 30 Jun 2018 18:18

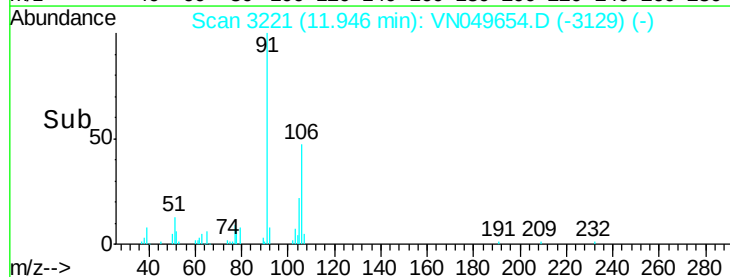
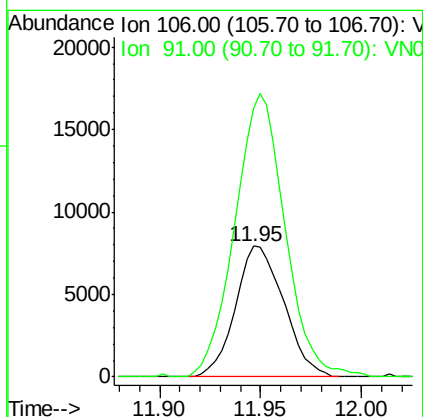
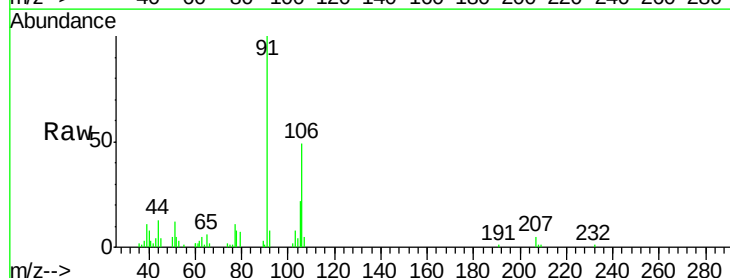
Instrument :
MSVOA_N
ClientSampleId :

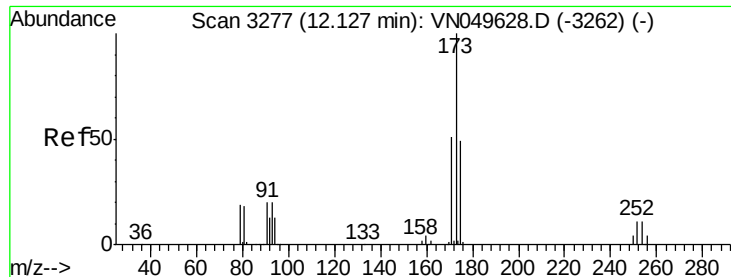
Tot Ion:106 Resp: 6617
Ion Ratio Lower Upper
106 100
91 205.2 163.4 245.2



#69
o-Xylene
Concen: 0.50 ug/l
RT: 11.95 min Scan# 3221
Delta R.T. -0.00 min
Lab File: VN049654.D
Acq: 30 Jun 2018 18:18

Tgt Ion:106 Resp: 13312
Ion Ratio Lower Upper
106 100
91 224.7 108.7 326.1





#71

Bromoform

Concen: 0.48 ug/l

RT: 12.40 min Scan# 3362

Delta R.T. 0.27 min

Lab File: VN049654.D

Acq: 30 Jun 2018 18:18

Instrument :

MSVOA_N

ClientSampled :

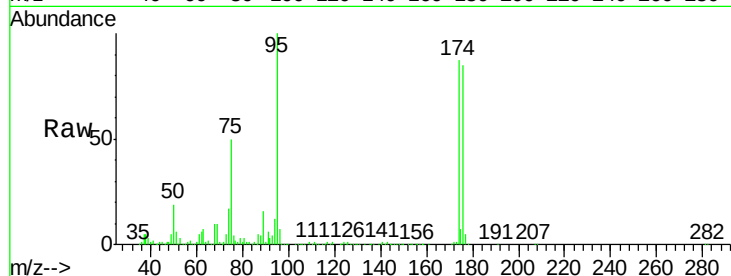
Tot Ion:173 Resp: 5082

Ion Ratio Lower Upper

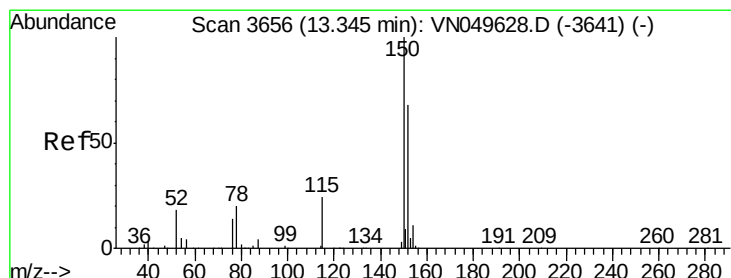
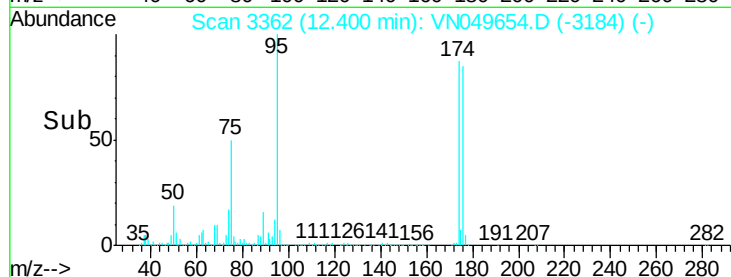
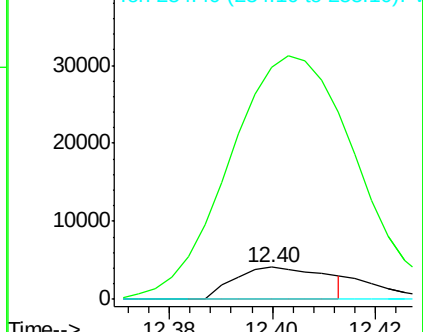
173 100

175 859.6 24.6 73.8#

254 0.0 0.2 0.2#



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: VN049654.D

Acq: 30 Jun 2018 18:18

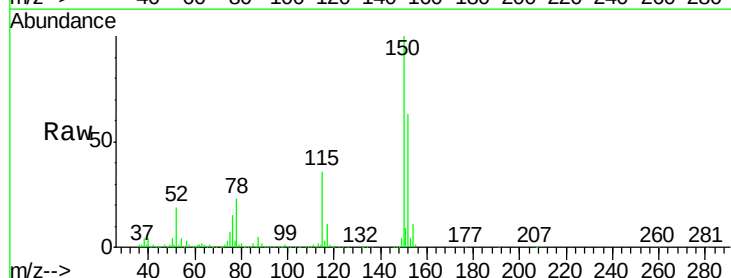
Tgt Ion:152 Resp: 639784

Ion Ratio Lower Upper

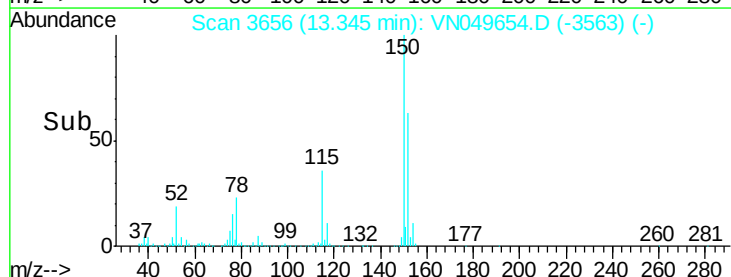
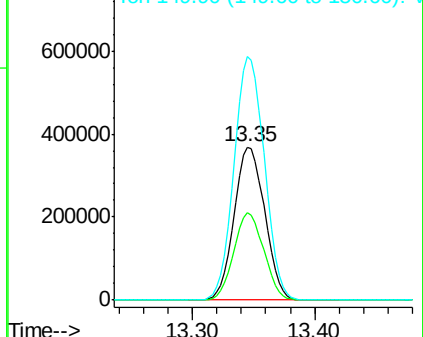
152 100

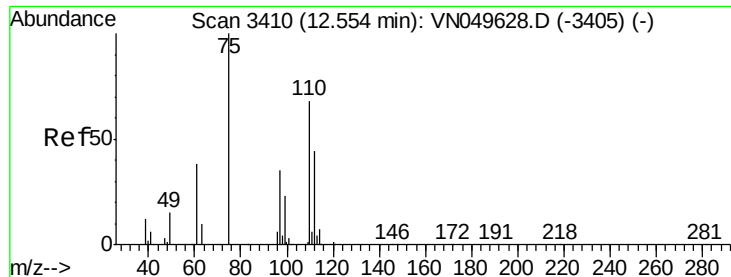
115 56.3 28.1 84.2

150 158.0 0.0 347.6



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





#76

1,2,3-Trichloropropane

Concen: 38.40 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049654.D

Acq: 30 Jun 2018 18:18

Instrument :

MSVOA_N

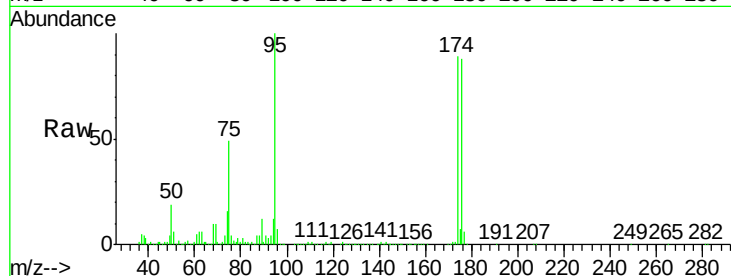
ClientSampled :

Tot Ion: 75 Resp: 394050

Ion Ratio Lower Upper

75 100

77 4.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.40

250000

200000

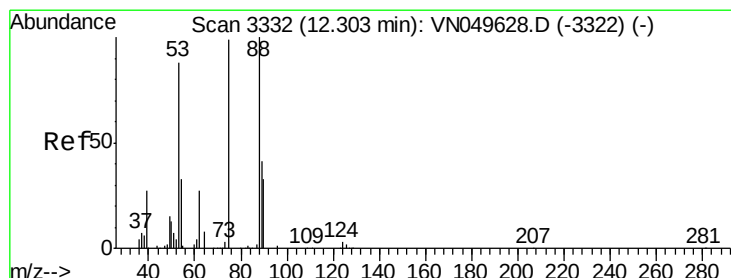
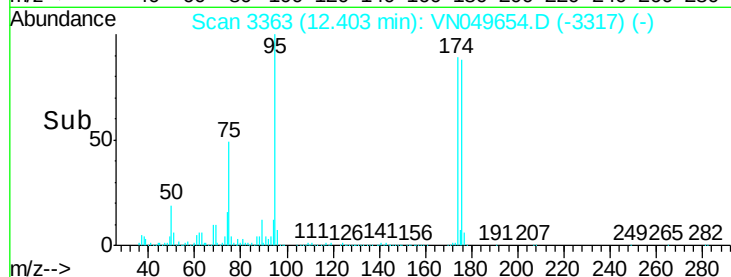
150000

100000

50000

0

Time--> 12.30 12.40 12.50



#81

trans-1,4-Dichloro-2-butene

Concen: 130.44 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049654.D

Acq: 30 Jun 2018 18:18

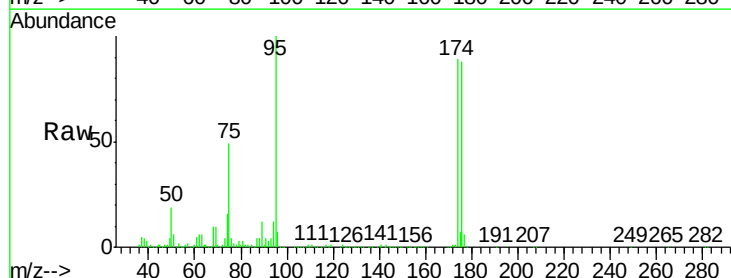
Tgt Ion: 75 Resp: 394050

Ion Ratio Lower Upper

75 100

53 8.1 73.9 110.9#

89 40.4 35.9 53.9



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

12.40

300000

250000

200000

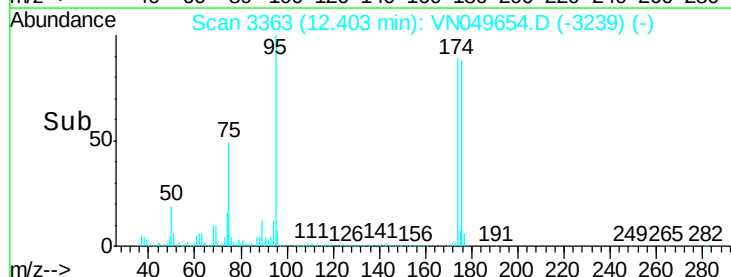
150000

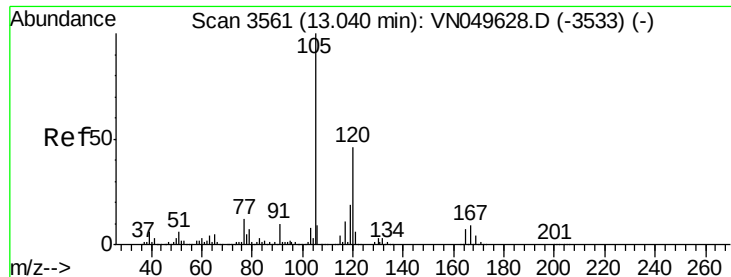
100000

50000

0

Time--> 12.30 12.40 12.50

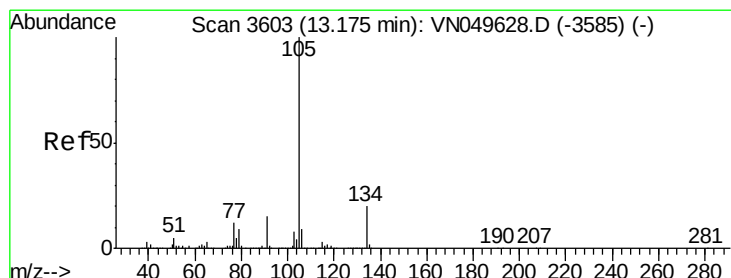
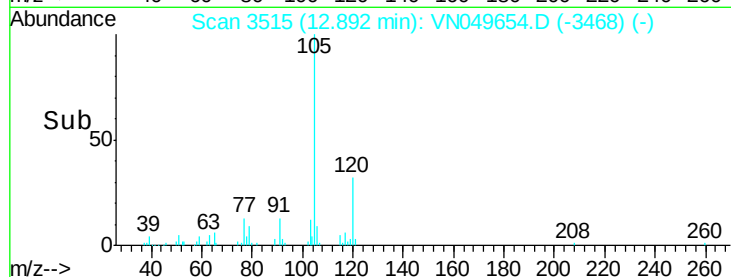
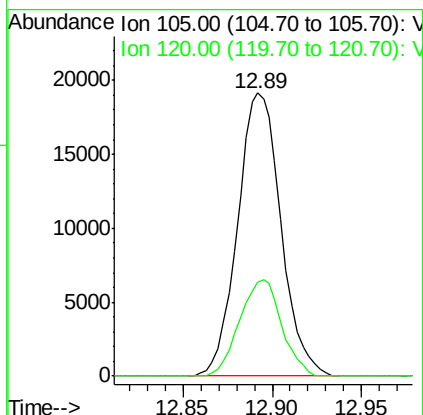
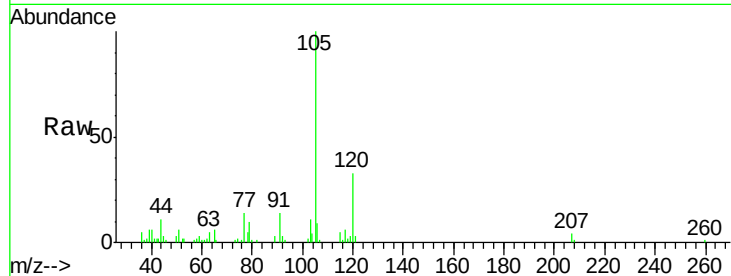




#84
 1,2,4-Trimethylbenzene
 Concen: 0.75 ug/l
 RT: 12.89 min Scan# 3515
 Delta R.T. -0.15 min
 Lab File: VN049654.D
 Acq: 30 Jun 2018 18:18

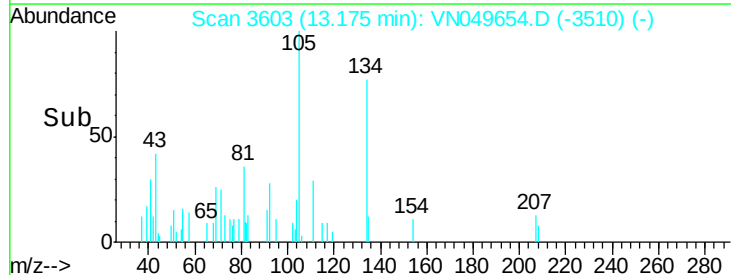
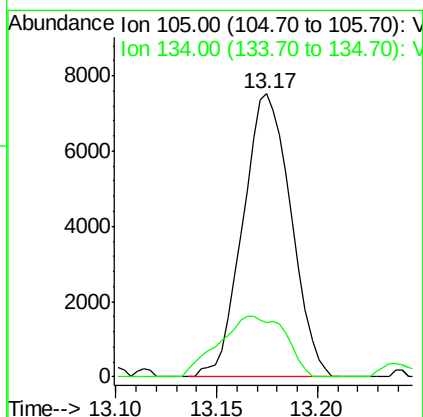
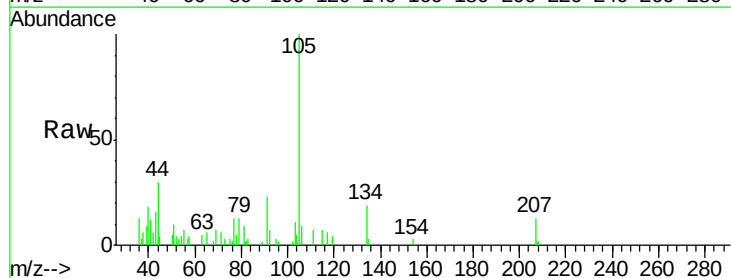
Instrument :
 MSVOA_N
 ClientSampleId :

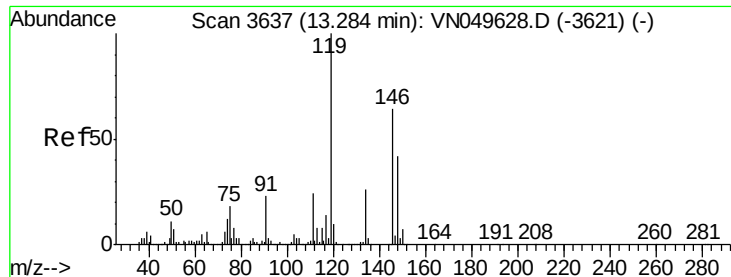
Tot Ion:105 Resp: 32454
 Ion Ratio Lower Upper
 105 100
 120 33.0 22.7 68.1



#85
 sec-Butylbenzene
 Concen: 0.26 ug/l
 RT: 13.17 min Scan# 3603
 Delta R.T. -0.00 min
 Lab File: VN049654.D
 Acq: 30 Jun 2018 18:18

Tgt Ion:105 Resp: 12568
 Ion Ratio Lower Upper
 105 100
 134 29.5 10.1 30.1

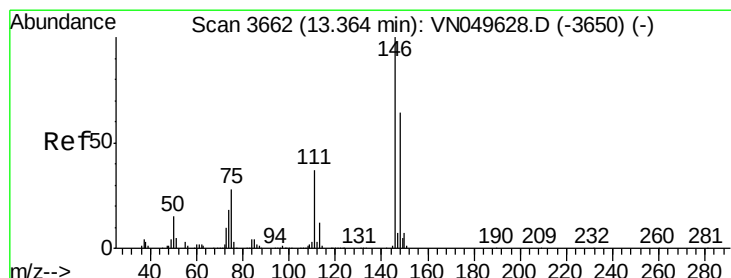
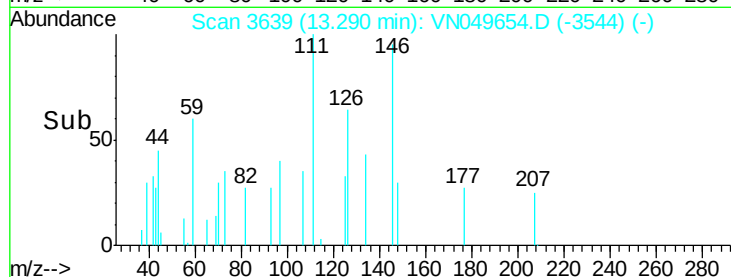
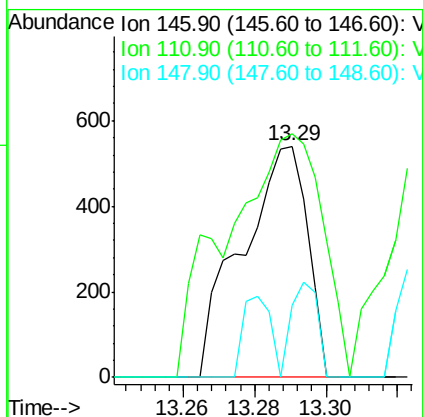
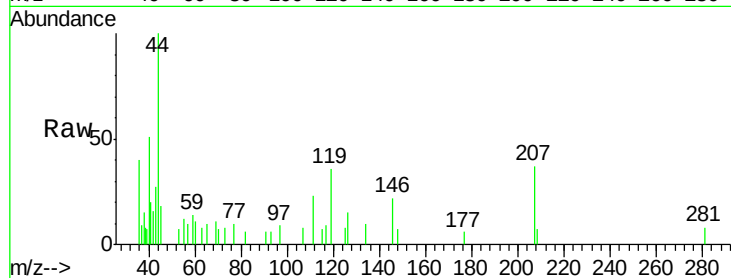




#87
 1,3-Dichlorobenzene
 Concen: Below Cal
 RT: 13.29 min Scan# 3639
 Delta R.T. 0.01 min
 Lab File: VN049654.D
 Acq: 30 Jun 2018 18:18

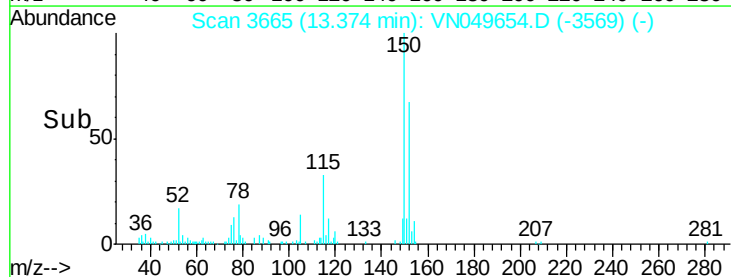
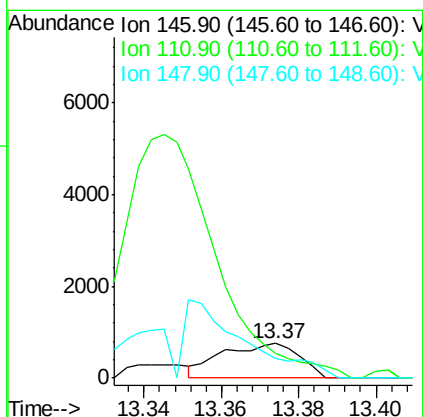
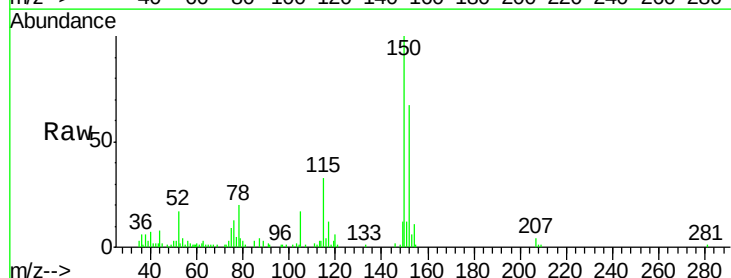
Instrument :
 MSVOA_N
 ClientSampled :

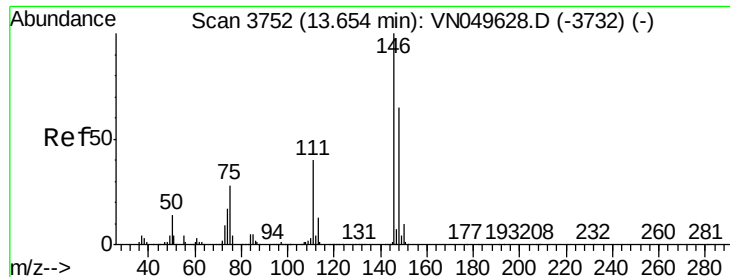
Tot Ion:146 Resp: 686
 Ion Ratio Lower Upper
 146 100
 111 153.6 19.0 57.0#
 148 16.6 32.5 97.5#



#88
 1,4-Dichlorobenzene
 Concen: Below Cal
 RT: 13.37 min Scan# 3665
 Delta R.T. 0.01 min
 Lab File: VN049654.D
 Acq: 30 Jun 2018 18:18

Tgt Ion:146 Resp: 1052
 Ion Ratio Lower Upper
 146 100
 111 0.0 18.9 56.5#
 148 0.0 32.1 96.3#

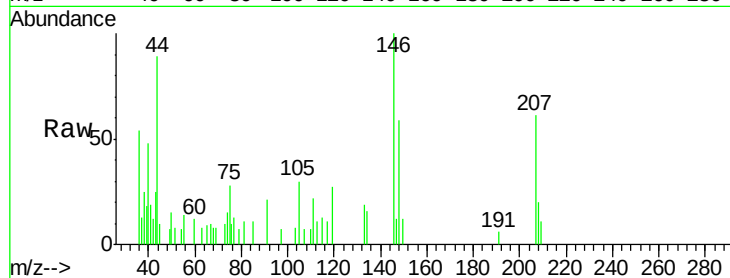




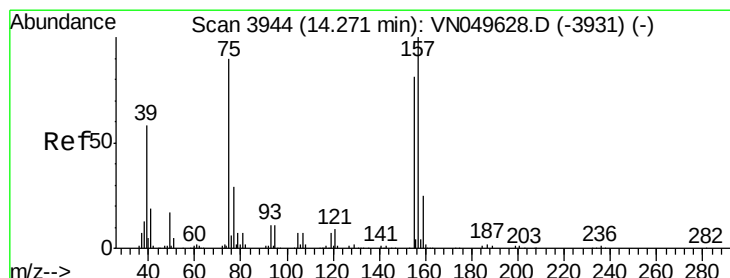
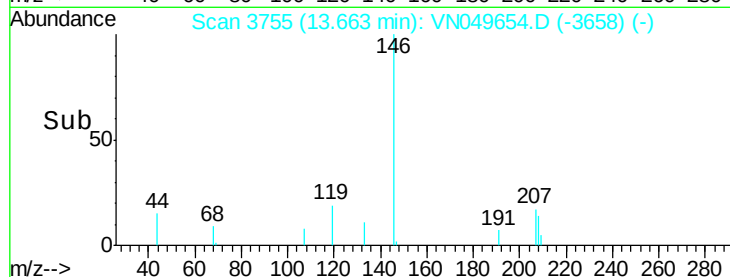
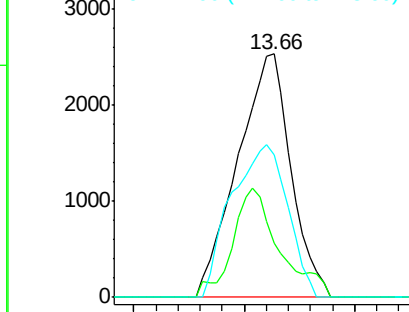
#91
 1,2-Dichlorobenzene
 Concen: Below Cal
 RT: 13.66 min Scan# 3755
 Delta R.T. 0.01 min
 Lab File: VN049654.D
 Acq: 30 Jun 2018 18:18

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:146 Resp: 4240
 Ion Ratio Lower Upper
 146 100
 111 39.3 19.7 59.1
 148 66.3 32.0 96.2

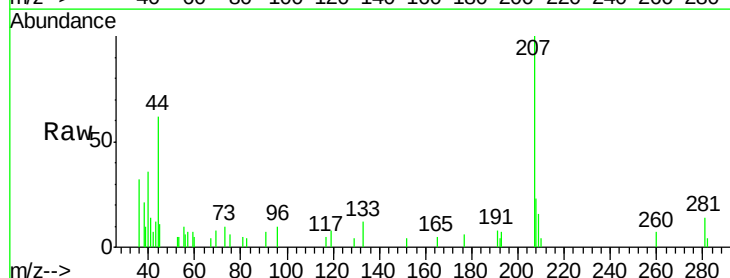


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

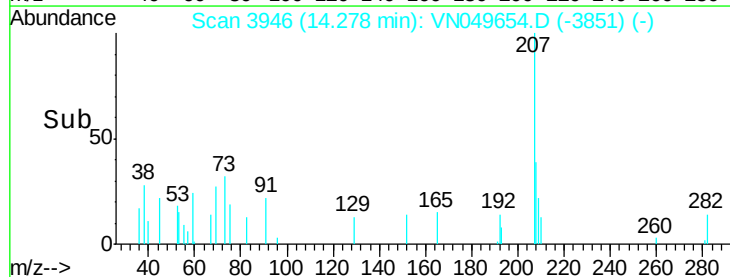
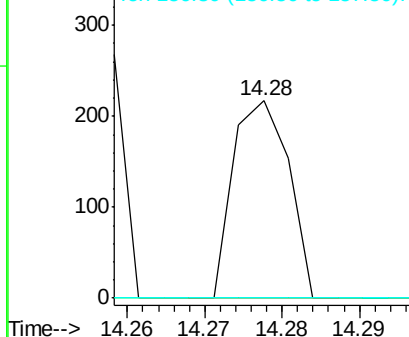


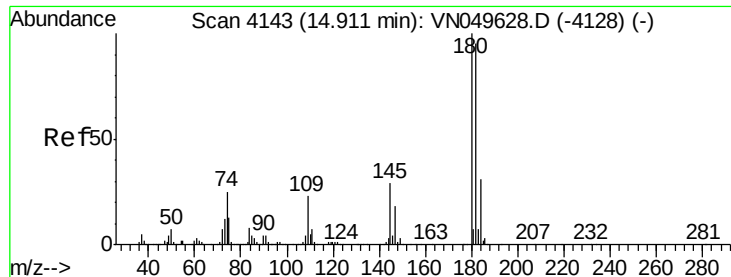
#92
 1,2-Dibromo-3-Chloropropane
 Concen: Below Cal
 RT: 14.28 min Scan# 3946
 Delta R.T. 0.01 min
 Lab File: VN049654.D
 Acq: 30 Jun 2018 18:18

Tgt Ion: 75 Resp: 108
 Ion Ratio Lower Upper
 75 100
 155 0.0 45.7 137.1#
 157 0.0 56.9 170.7#



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

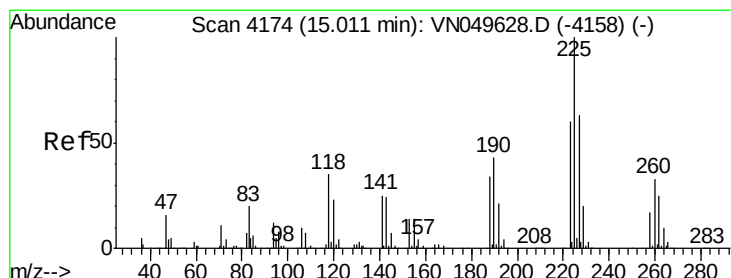
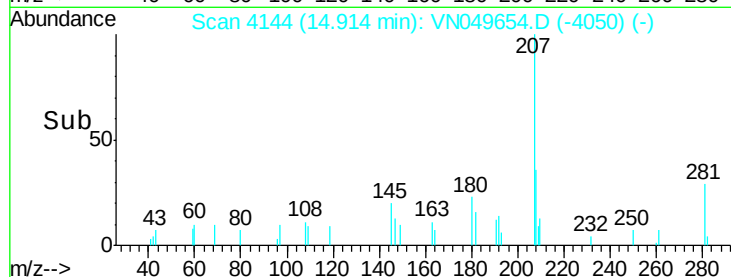
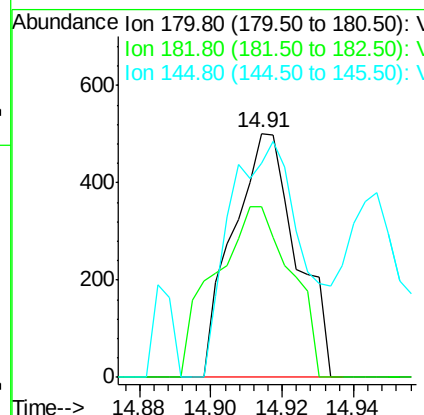
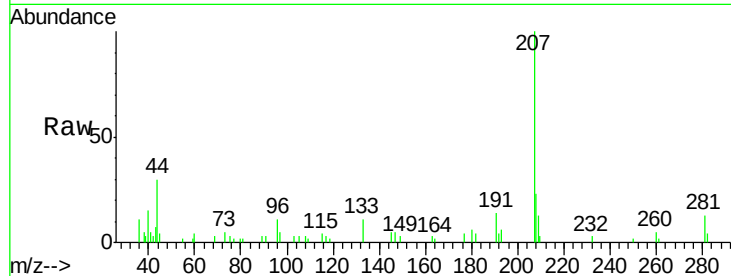




#93
 1,2,4-Trichlorobenzene
 Concen: 2.45 ua/l
 RT: 14.91 min Scan# 4144
 Delta R.T. 0.00 min
 Lab File: VN049654.D
 Acq: 30 Jun 2018 18:18

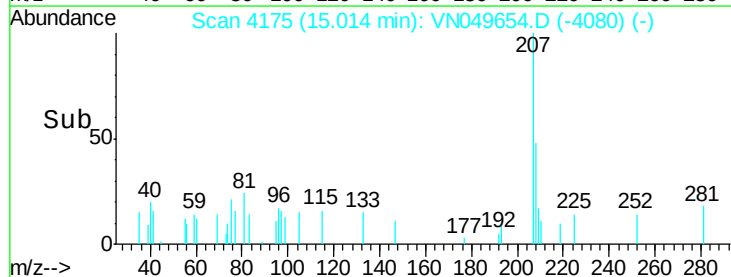
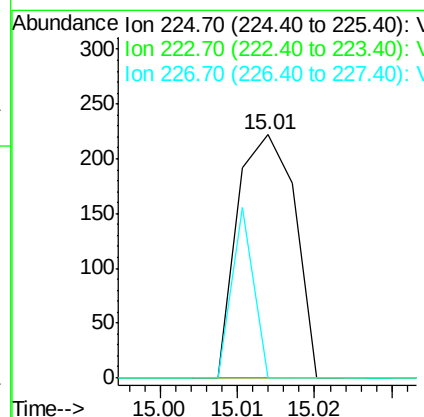
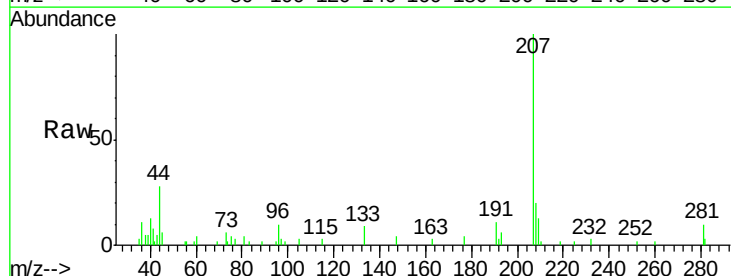
Instrument :
 MSVOA_N
 ClientSampleId :

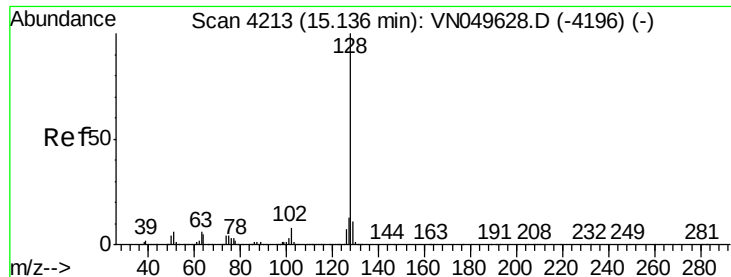
Tot Ion:180 Resp: 617
 Ion Ratio Lower Upper
 180 100
 182 84.3 47.3 141.9
 145 112.5 14.4 43.0#



#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN049654.D
 Acq: 30 Jun 2018 18:18

Tgt Ion:225 Resp: 114
 Ion Ratio Lower Upper
 225 100
 223 0.0 30.9 92.7#
 227 26.3 31.8 95.4#





#95

Naphthalene

Concen: 4.09 ug/l

RT: 15.14 min Scan# 4215

Delta R.T. 0.01 min

Lab File: VN049654.D

Acq: 30 Jun 2018 18:18

Instrument :

MSVOA_N

ClientSampled :

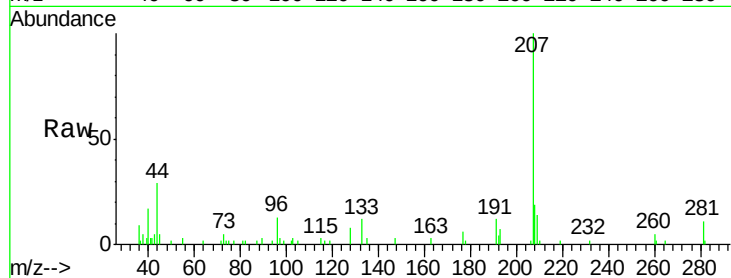
Tot Ion:128 Resp: 1295

Ion Ratio Lower Upper

128 100

127 9.0 10.4 15.6#

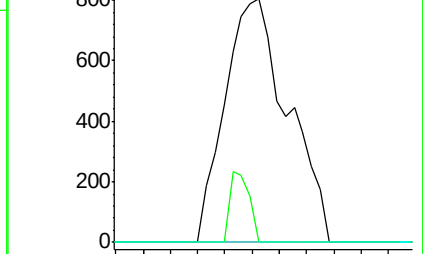
129 0.0 8.6 13.0#



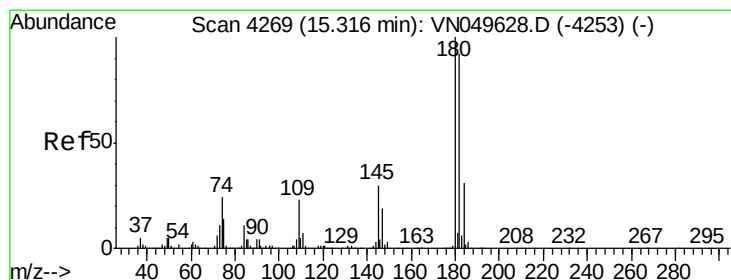
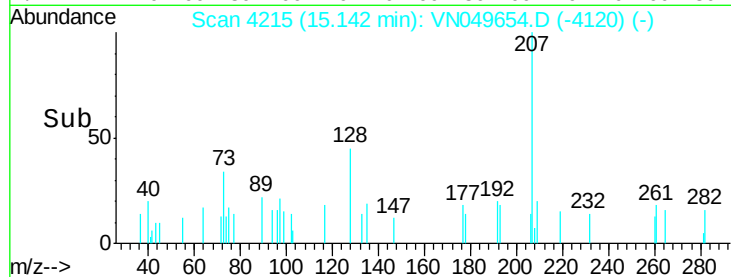
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



Time-->



#96

1,2,3-Trichlorobenzene

Concen: 1.69 ug/l

RT: 15.32 min Scan# 4270

Delta R.T. 0.00 min

Lab File: VN049654.D

Acq: 30 Jun 2018 18:18

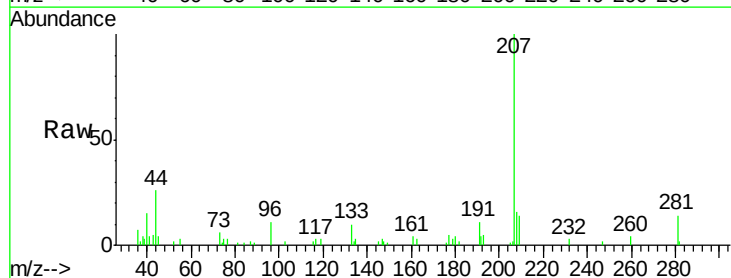
Tgt Ion:180 Resp: 487

Ion Ratio Lower Upper

180 100

182 51.1 47.4 142.2

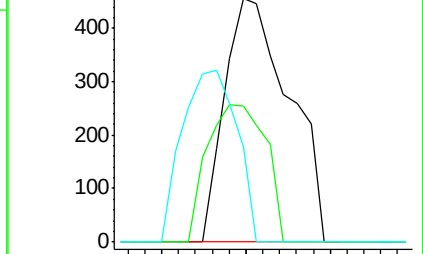
145 59.3 15.2 45.6#



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



Time-->

