

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061918\
 Data File : VN049423.D
 Acq On : 20 Jun 2018 8:20
 Operator : MD\SY
 Sample : J3249-06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 20 11:13:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061618W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:02:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1145169	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1828934	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1482492	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	431531	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	757495	49.87	ug/l	0.00
Spiked Amount			Recovery	=	99.74%	
35) Dibromofluoromethane	7.59	113	674468	45.58	ug/l	0.00
Spiked Amount			Recovery	=	91.16%	
50) Toluene-d8	10.09	98	2478471	43.99	ug/l	0.00
Spiked Amount			Recovery	=	87.98%	
62) 4-Bromofluorobenzene	12.40	95	625840	33.59	ug/l	0.00
Spiked Amount			Recovery	=	67.18%	

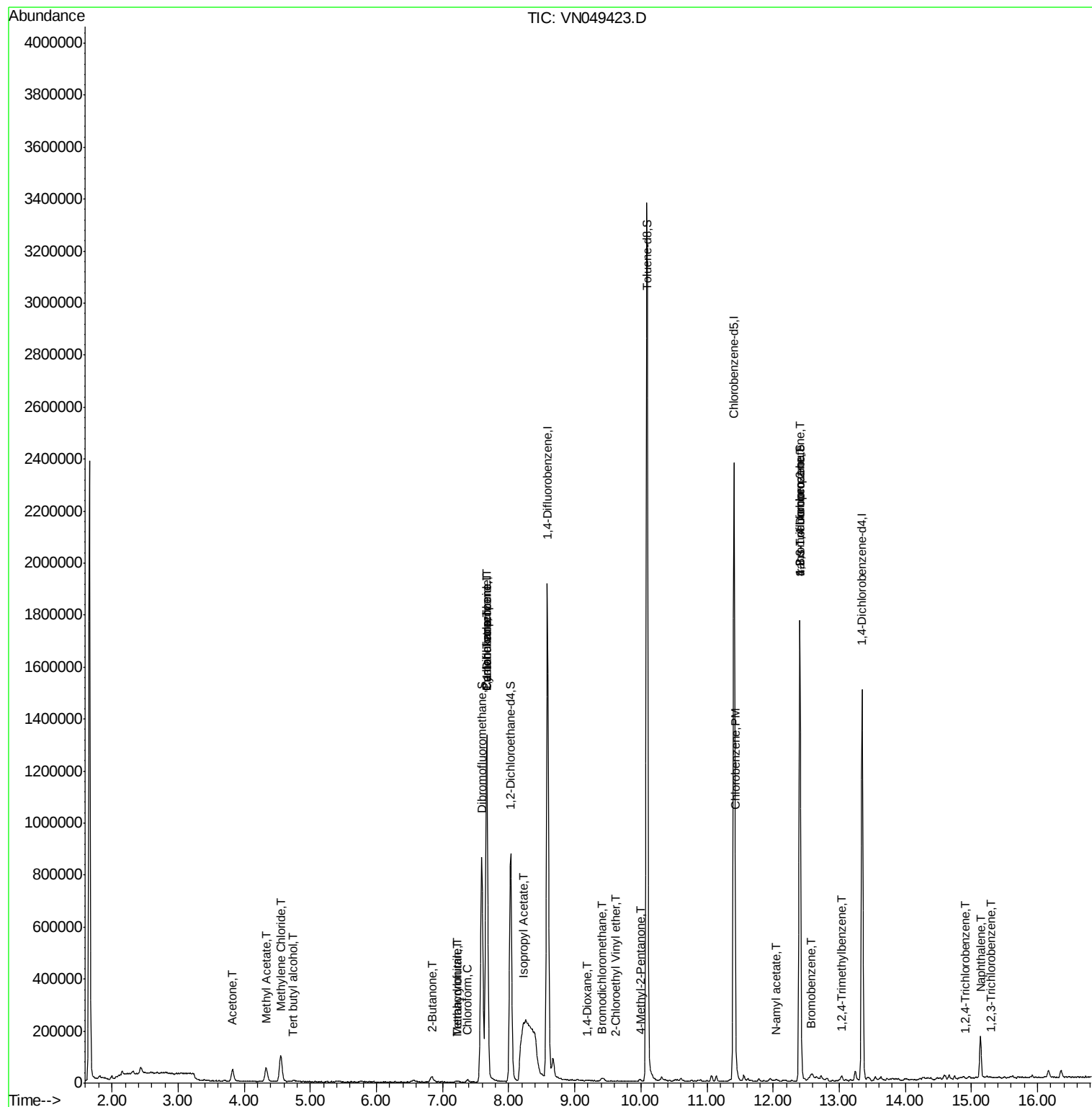
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.74	59	3193	3.582	ug/l #	70
16) Acetone	3.82	43	74100	20.093	ug/l	98
18) Methyl Acetate	4.33	43	102319	9.099	ug/l	96
20) Methylene Chloride	4.55	84	73178	4.751	ug/l	94
25) 2-Butanone	6.85	43	9814	1.982	ug/l	95
29) Tetrahydrofuran	7.22	42	883	0.277	ug/l	92
30) Chloroform	7.38	83	7730	0.293	ug/l	91
31) Cyclohexane	7.66	56	21670	0.791	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	79123	3.775	ug/l #	50
38) Carbon Tetrachloride	7.67	117	104598	4.820	ug/l #	18
41) Methacrylonitrile	7.22	41	2236	0.363	ug/l #	100
43) Isopropyl Acetate	8.22	43	255199	11.721	ug/l #	64
47) Bromodichloromethane	9.40	83	4864	0.227	ug/l	94
49) 1,4-Dioxane	9.20	88	205	1.449	ug/l #	52
51) 4-Methyl-2-Pentanone	9.99	43	5402	0.473	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.61	63	31	14.331	ug/l #	51
65) Chlorobenzene	11.44	112	10963	0.287	ug/l	95
74) N-amyl acetate	12.04	43	2665	0.287	ug/l #	50
75) 1,1,2,2-Tetrachloroethane	12.50	83	147	Below Cal	#	76
76) 1,2,3-Trichloropropane	12.40	75	304400	41.342	ug/l #	100
77) Bromobenzene	12.58	156	14186	1.417	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.40	75	304400	130.662	ug/l #	9
84) 1,2,4-Trimethylbenzene	13.04	105	8450	0.286	ug/l	87
90) Hexachloroethane	13.89	117	321	Below Cal	#	9
93) 1,2,4-Trichlorobenzene	14.91	180	96	4.754	ug/l #	1
95) Naphthalene	15.14	128	143478	13.681	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	324	3.499	ug/l #	25

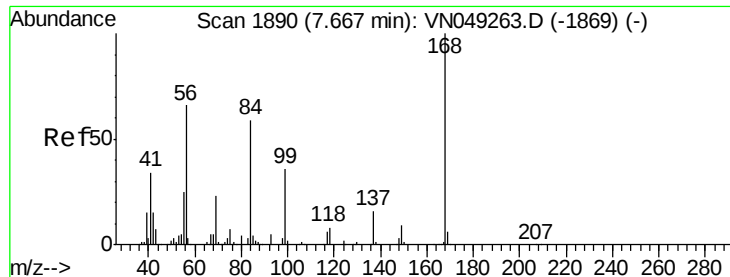
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Jun 16 01:02:01 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049423.D

Acq: 20 Jun 2018 8:20

Instrument :

MSVOA_N

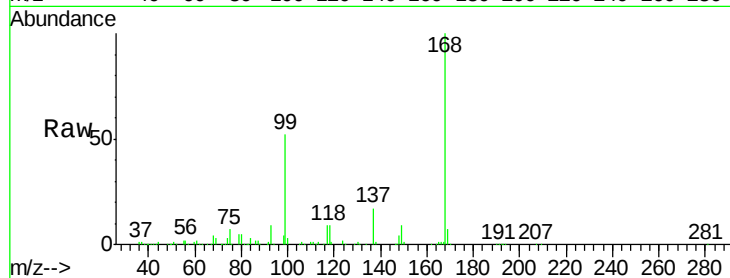
ClientSampled :

Tot Ion:168 Resp: 1145169

Ion Ratio Lower Upper

168 100

99 52.1 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

500000

400000

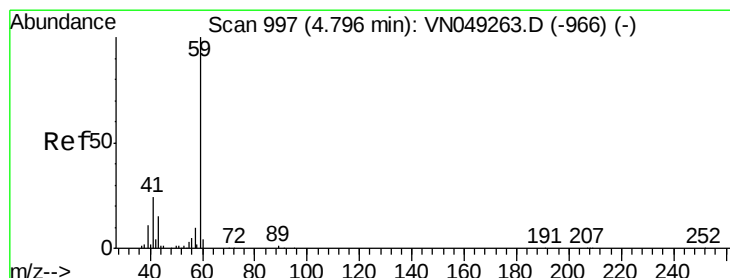
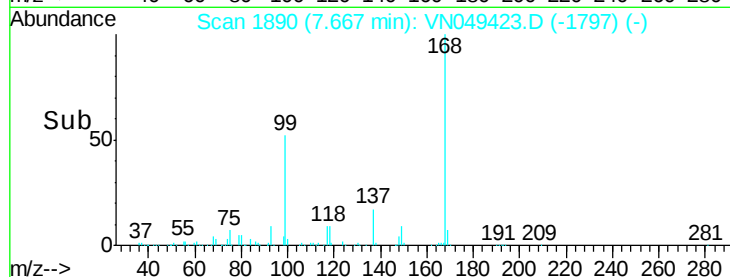
300000

200000

100000

0

Time-->



#11

Tert butyl alcohol

Concen: 3.582 ug/l

RT: 4.74 min Scan# 981

Delta R.T. -0.05 min

Lab File: VN049423.D

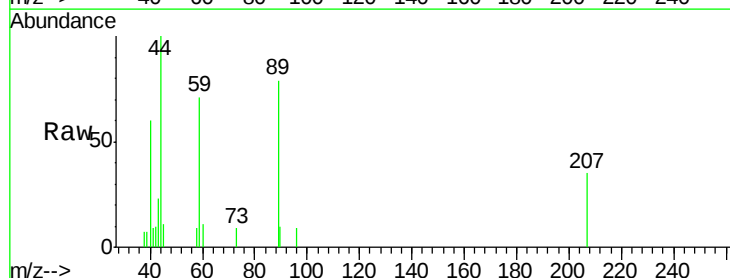
Acq: 20 Jun 2018 8:20

Tgt Ion: 59 Resp: 3193

Ion Ratio Lower Upper

59 100

57 0.0 9.0 13.6#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

4.74

2000

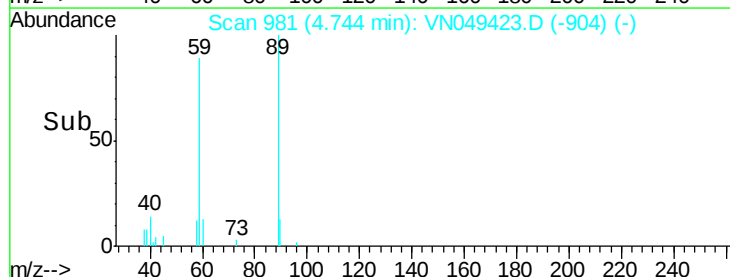
1500

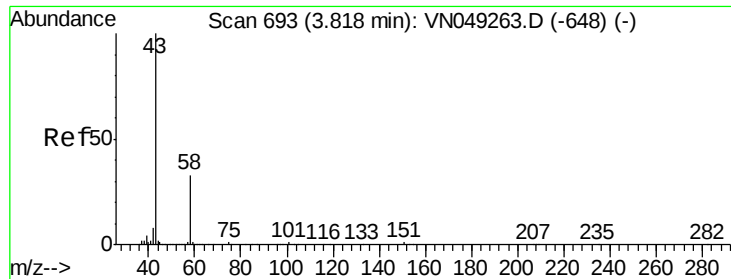
1000

500

0

Time-->





#16

Acetone

Concen: 20.093 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.01 min

Lab File: VN049423.D

Acq: 20 Jun 2018 8:20

Instrument :

MSVOA_N

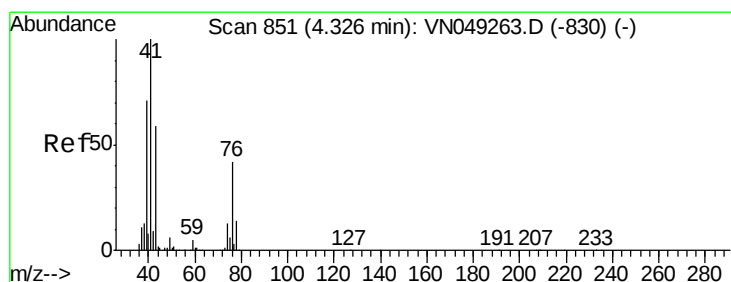
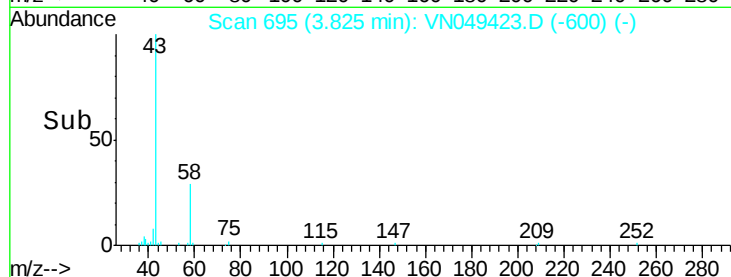
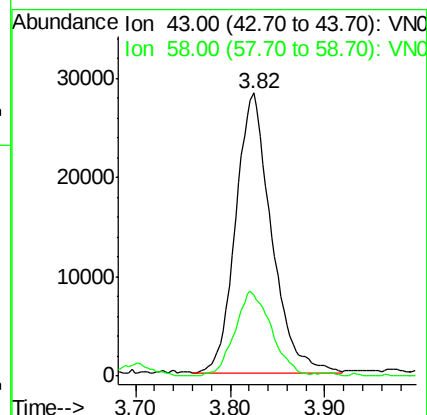
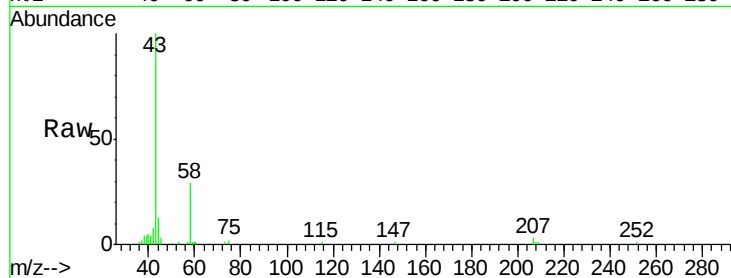
ClientSampleId :

Tot Ion: 43 Resp: 74100

Ion Ratio Lower Upper

43 100

58 28.8 22.4 33.6



#18

Methyl Acetate

Concen: 9.099 ug/l

RT: 4.33 min Scan# 853

Delta R.T. 0.01 min

Lab File: VN049423.D

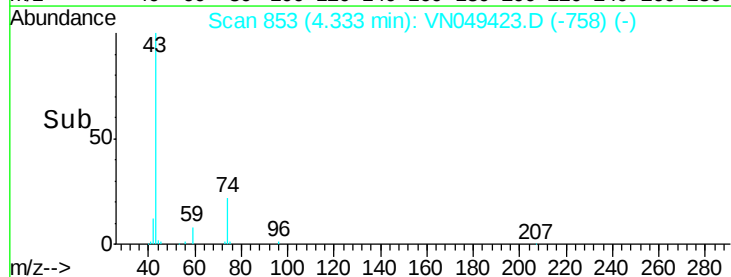
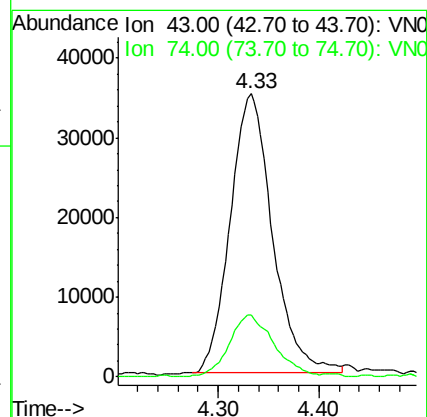
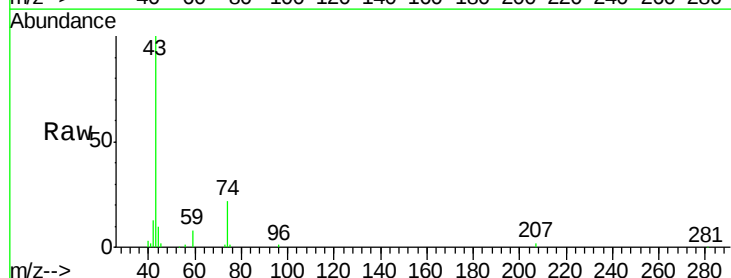
Acq: 20 Jun 2018 8:20

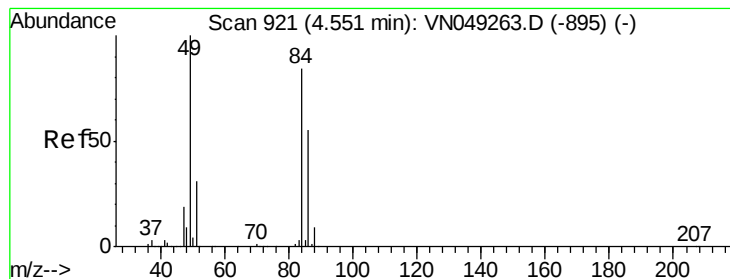
Tgt Ion: 43 Resp: 102319

Ion Ratio Lower Upper

43 100

74 23.5 17.4 26.0





#20

Methylene Chloride

Concen: 4.751 ug/l

RT: 4.55 min Scan# 922

Delta R.T. 0.00 min

Lab File: VN049423.D

Acq: 20 Jun 2018 8:20

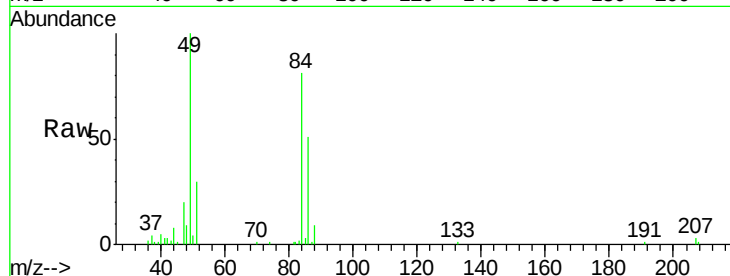
Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 84 Resp: 73178

Ion	Ratio	Lower	Upper
84	100		
49	124.1	106.9	160.3
51	36.9	32.7	49.1
86	63.5	49.8	74.8

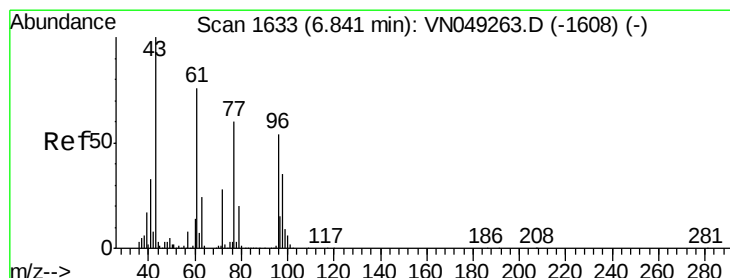
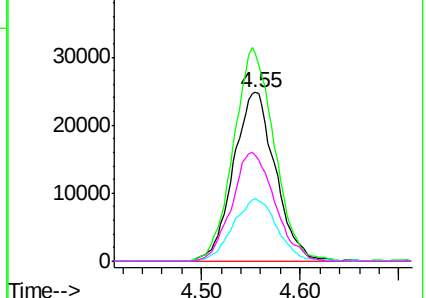
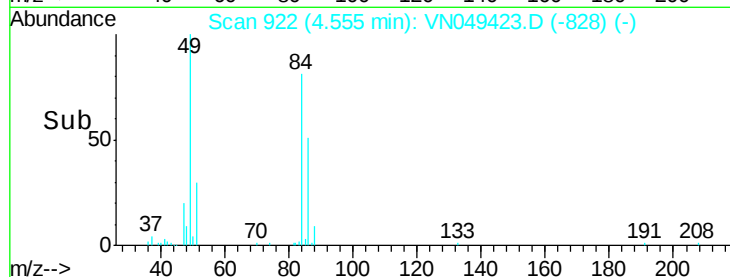


Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



#25

2-Butanone

Concen: 1.982 ug/l

RT: 6.85 min Scan# 1636

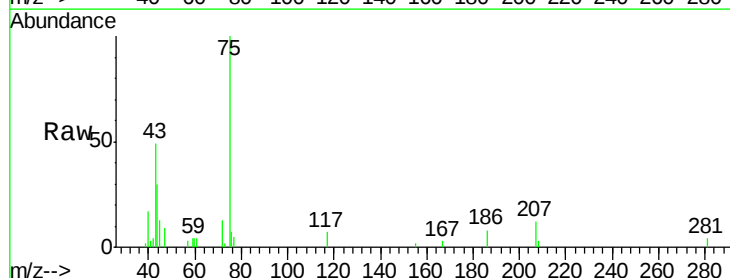
Delta R.T. 0.01 min

Lab File: VN049423.D

Acq: 20 Jun 2018 8:20

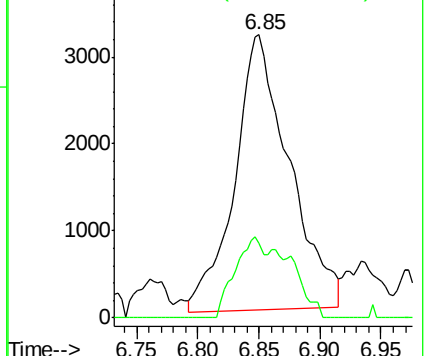
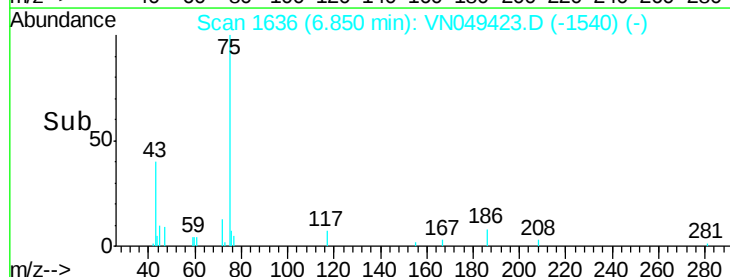
Tgt Ion: 43 Resp: 9814

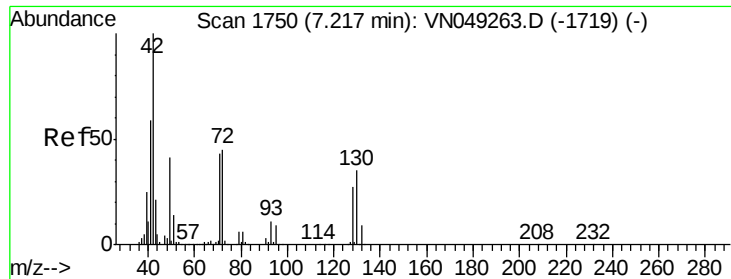
Ion	Ratio	Lower	Upper
43	100		
72	27.9	20.2	30.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

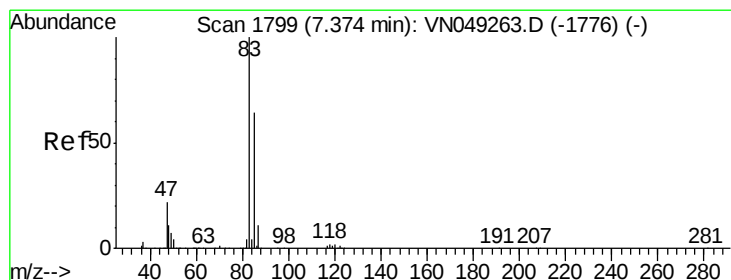
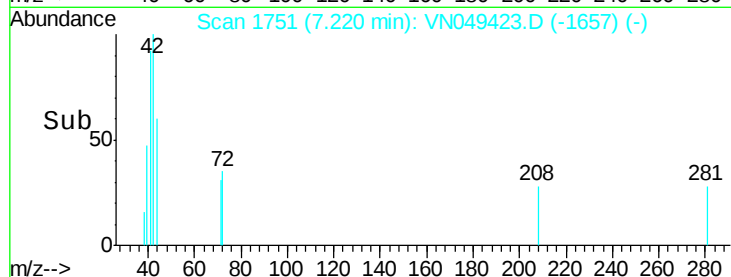
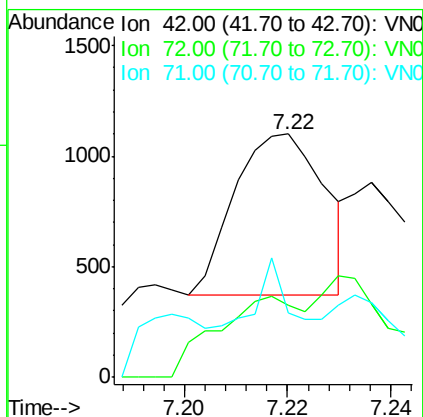
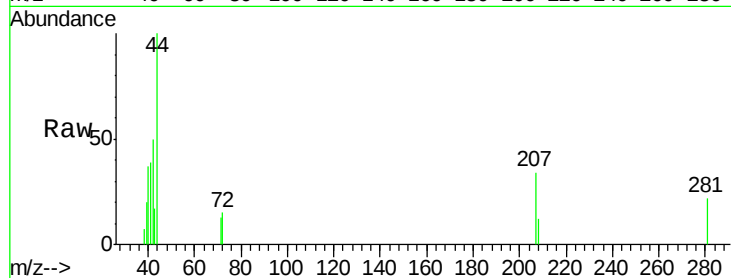




#29
Tetrahydrofuran
Concen: 0.277 ug/l
RT: 7.22 min Scan# 1751
Delta R.T. 0.00 min
Lab File: VN049423.D
Acq: 20 Jun 2018 8:20

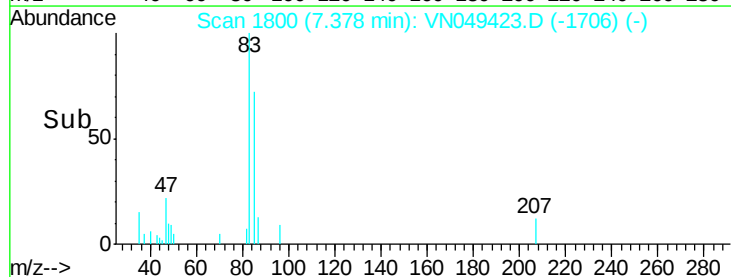
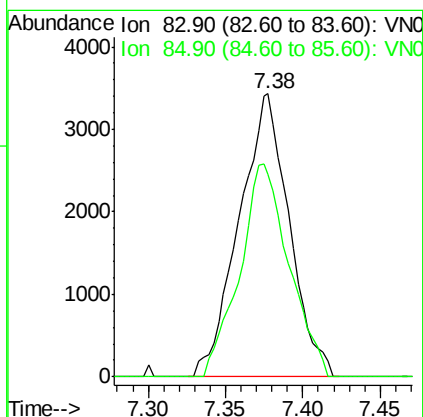
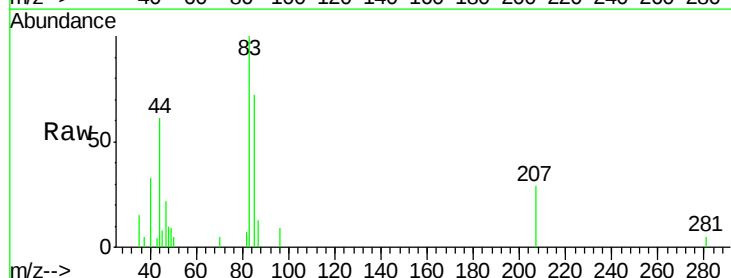
Instrument :
MSVOA_N
ClientSampled :

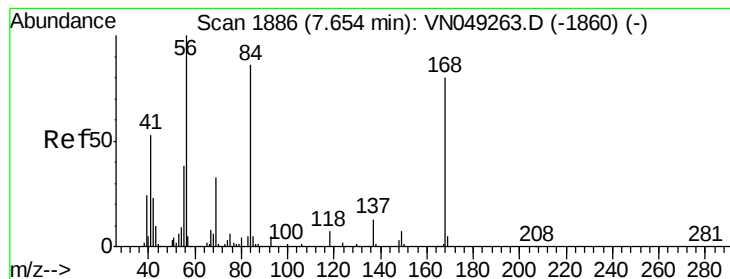
Tot Ion: 42 Resp: 883
Ion Ratio Lower Upper
42 100
72 47.8 32.2 48.4
71 36.0 30.5 45.7



#30
Chloroform
Concen: 0.293 ug/l
RT: 7.38 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VN049423.D
Acq: 20 Jun 2018 8:20

Tgt Ion: 83 Resp: 7730
Ion Ratio Lower Upper
83 100
85 71.8 51.7 77.5





#31

Cyclohexane

Concen: 0.791 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. 0.01 min

Lab File: VN049423.D

Acq: 20 Jun 2018 8:20

Instrument :
MSVOA_N
ClientSampled :

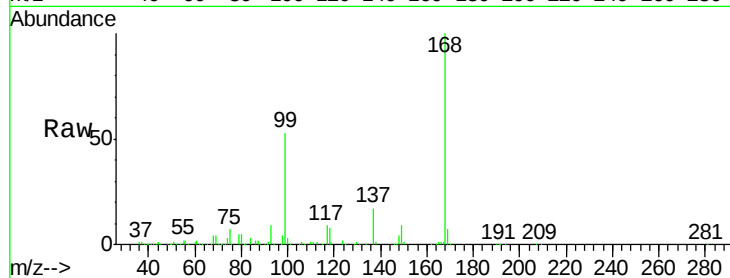
Tot Ion: 56 Resp: 21670

Ion Ratio Lower Upper

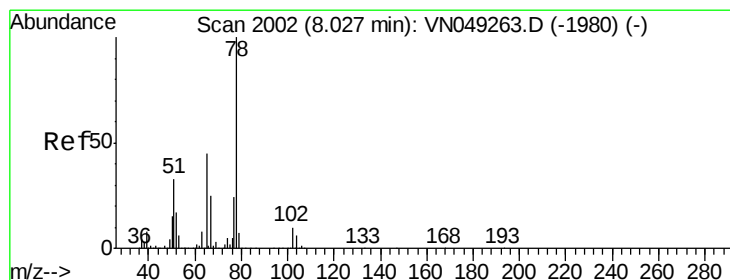
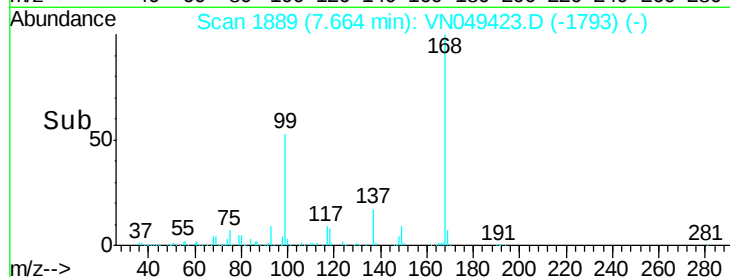
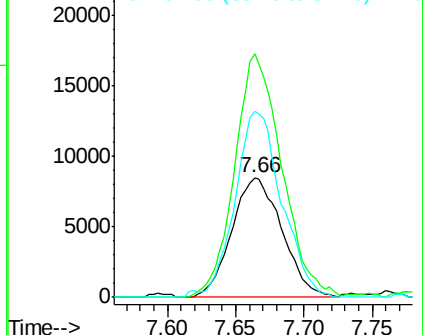
56 100

69 203.2 25.0 37.4#

84 155.0 64.6 96.8#



Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 49.872 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN049423.D

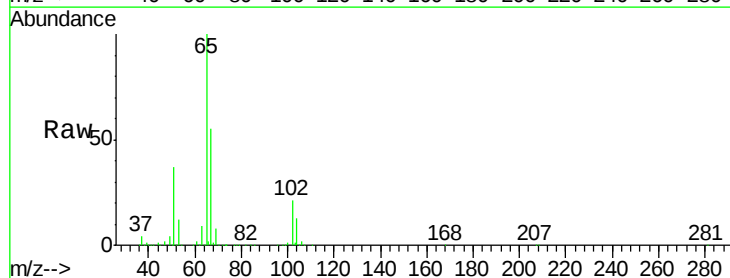
Acq: 20 Jun 2018 8:20

Tgt Ion: 65 Resp: 757495

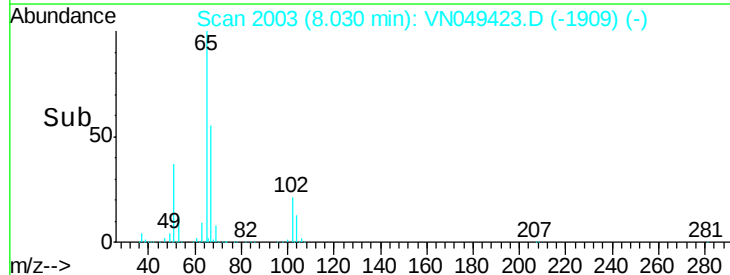
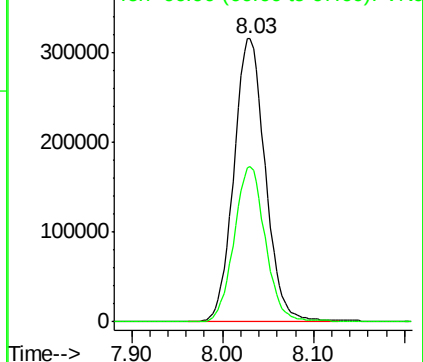
Ion Ratio Lower Upper

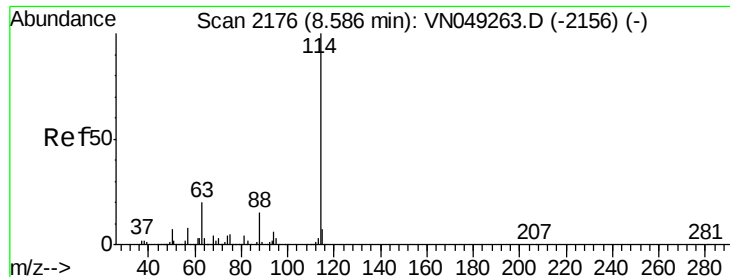
65 100

67 54.6 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

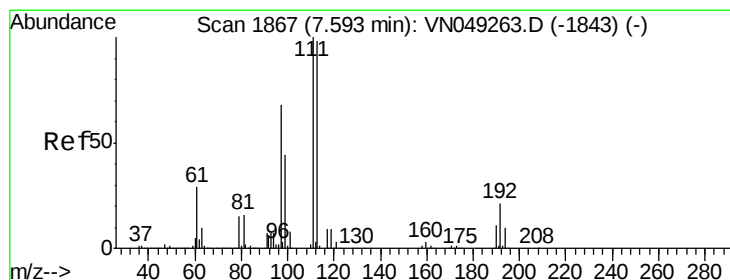
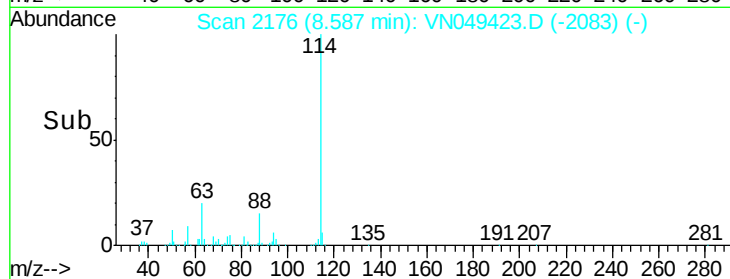
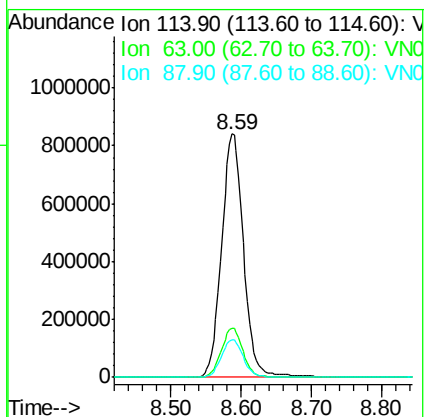
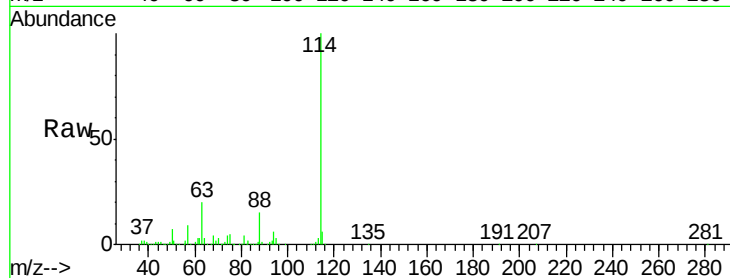




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049423.D
 Acq: 20 Jun 2018 8:20

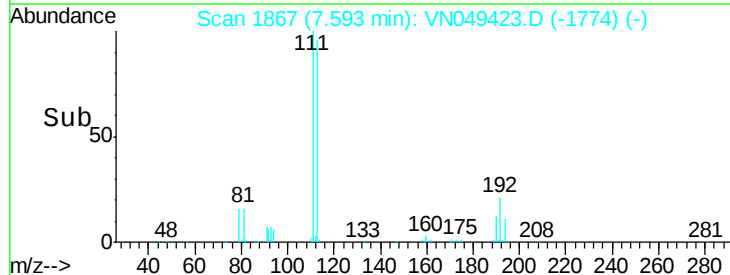
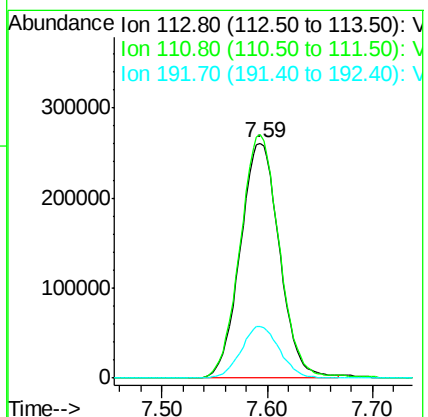
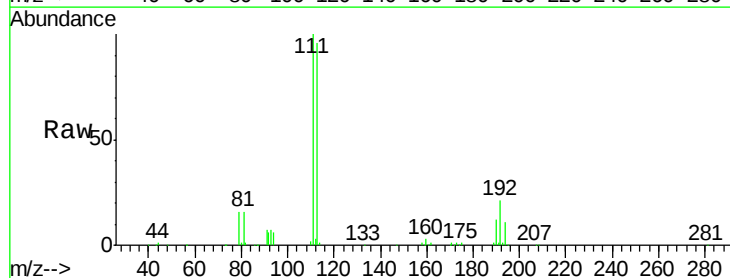
Instrument :
 MSVOA_N
 ClientSampled :

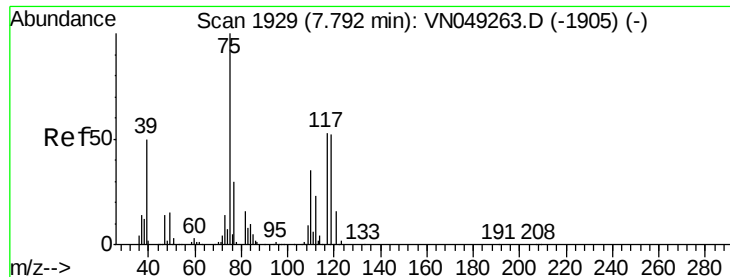
Tot Ion:114 Resp: 1828934
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 44.4
 88 15.3 0.0 31.4



#35
 Dibromofluoromethane
 Concen: 45.582 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN049423.D
 Acq: 20 Jun 2018 8:20

Tgt Ion:113 Resp: 674468
 Ion Ratio Lower Upper
 113 100
 111 103.9 82.4 123.6
 192 21.7 15.0 22.6





#36

1,1-Dichloropropene

Concen: 3.775 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.13 min

Lab File: VN049423.D

Acq: 20 Jun 2018 8:20

Instrument :
MSVOA_N
ClientSampled :

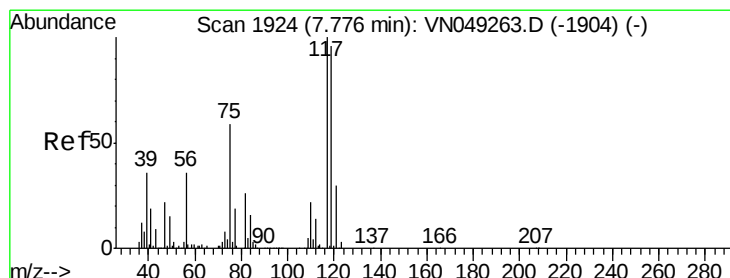
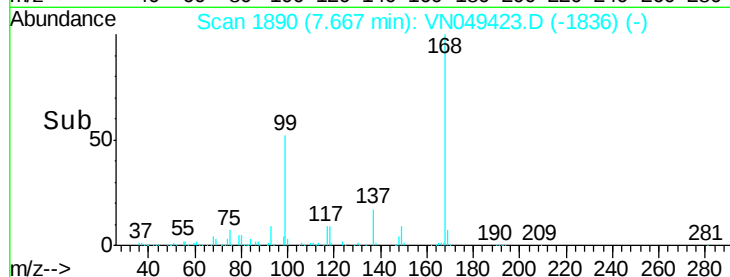
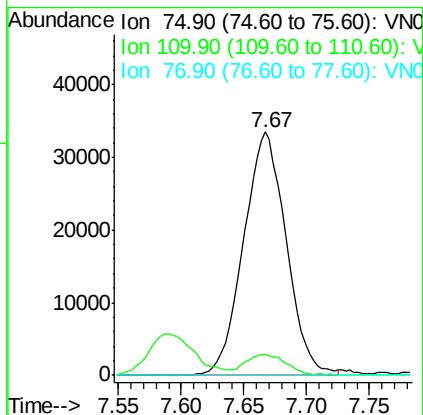
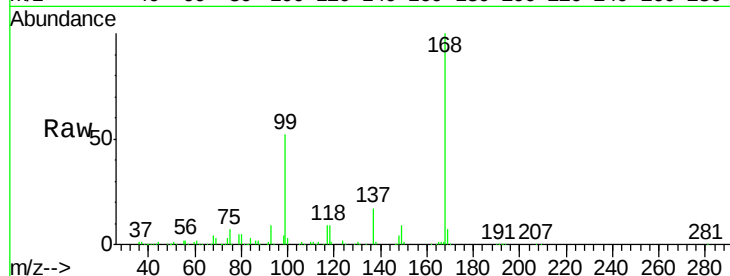
Tot Ion: 75 Resp: 79123

Ion Ratio Lower Upper

75 100

110 8.0 17.0 50.9#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 4.820 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.11 min

Lab File: VN049423.D

Acq: 20 Jun 2018 8:20

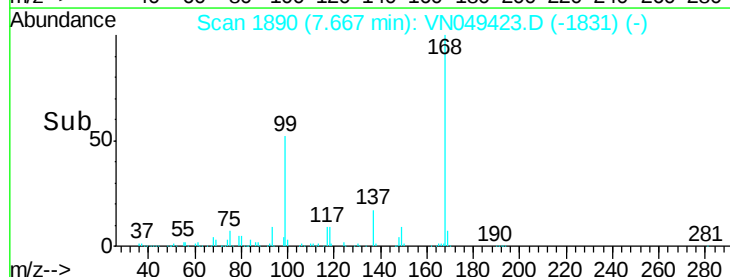
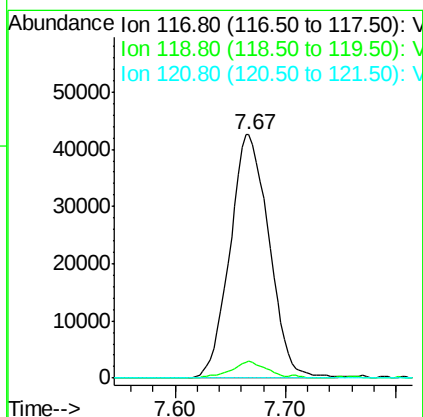
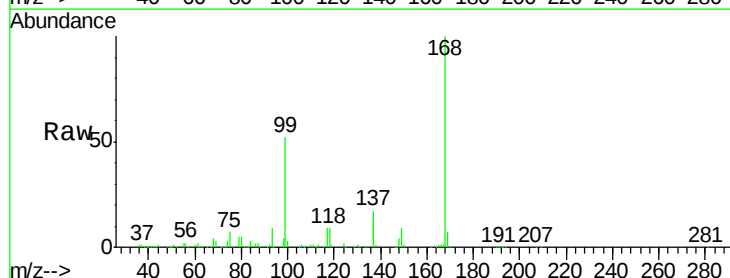
Tgt Ion: 117 Resp: 104598

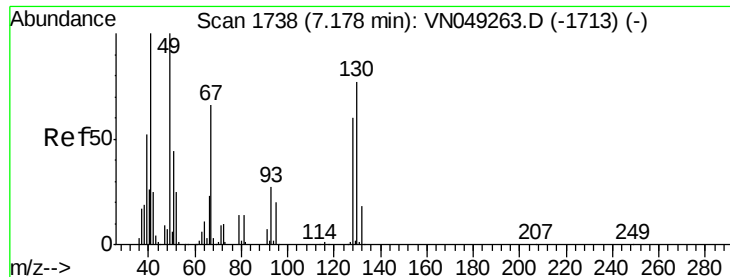
Ion Ratio Lower Upper

117 100

119 6.8 75.6 113.4#

121 0.0 24.7 37.1#

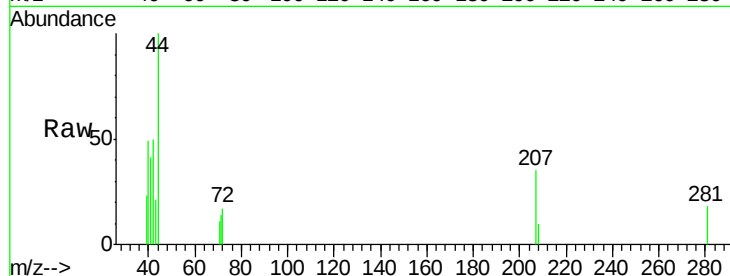




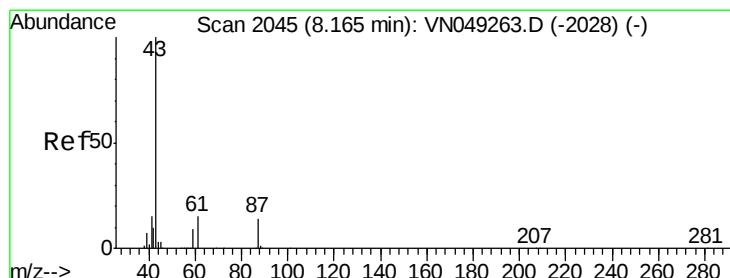
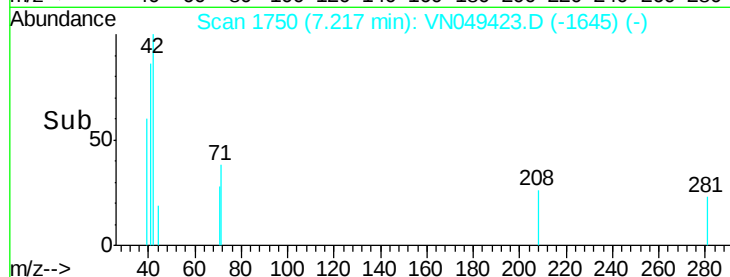
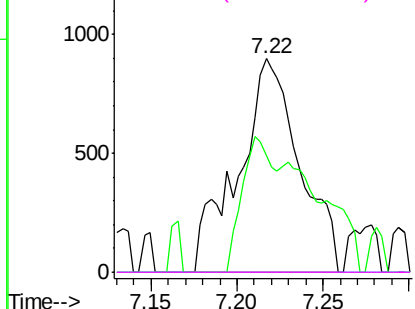
#41
Methacrylonitrile
Concen: 0.363 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. 0.04 min
Lab File: VN049423.D
Acq: 20 Jun 2018 8:20

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	41	Resp:	2236
Ion	Ratio	Lower	Upper
41	100		
39	32.6	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

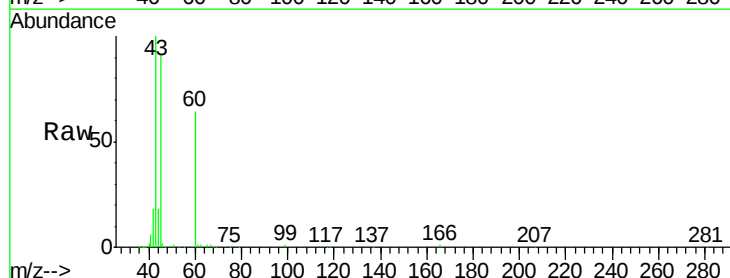


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

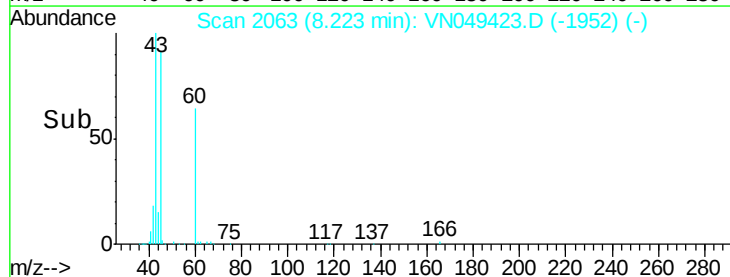
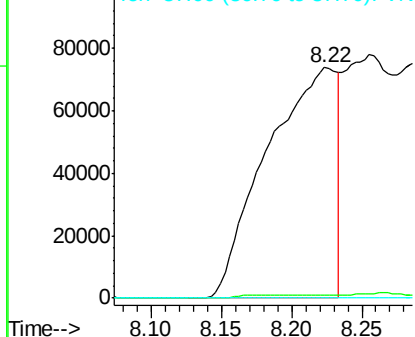


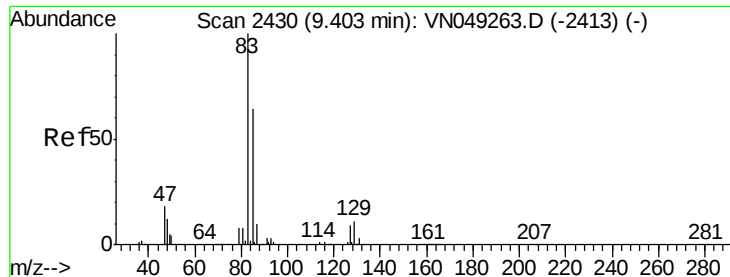
#43
Isopropyl Acetate
Concen: 11.721 ug/l
RT: 8.22 min Scan# 2063
Delta R.T. 0.06 min
Lab File: VN049423.D
Acq: 20 Jun 2018 8:20

Tgt Ion:	43	Resp:	255199
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: 0.227 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN049423.D

Acq: 20 Jun 2018 8:20

Instrument :
MSVOA_N
ClientSampleId :

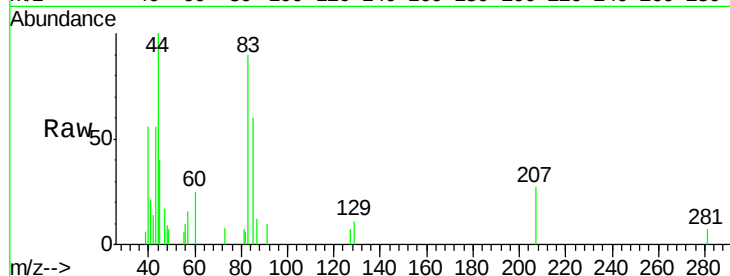
Tot Ion: 83 Resp: 4864

Ion Ratio Lower Upper

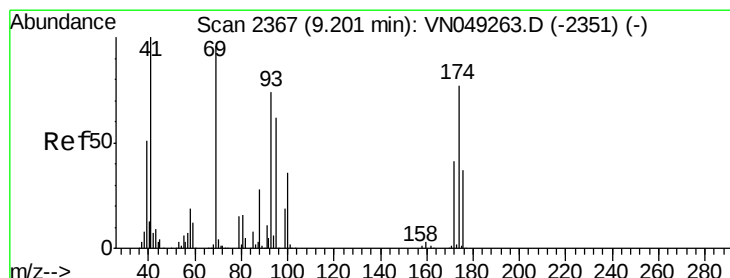
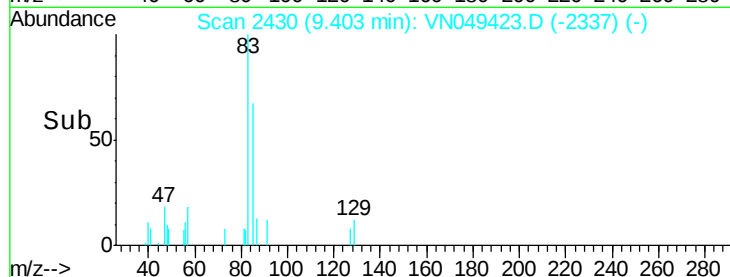
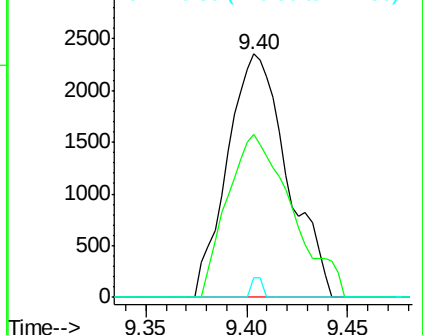
83 100

85 66.8 49.4 74.0

127 8.0 6.3 9.5



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0



#49

1,4-Dioxane

Concen: 1.449 ug/l

RT: 9.20 min Scan# 2367

Delta R.T. 0.00 min

Lab File: VN049423.D

Acq: 20 Jun 2018 8:20

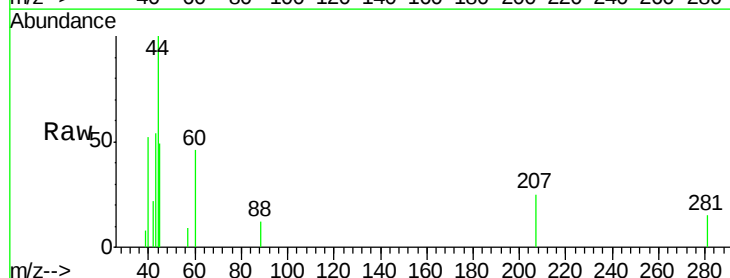
Tgt Ion: 88 Resp: 205

Ion Ratio Lower Upper

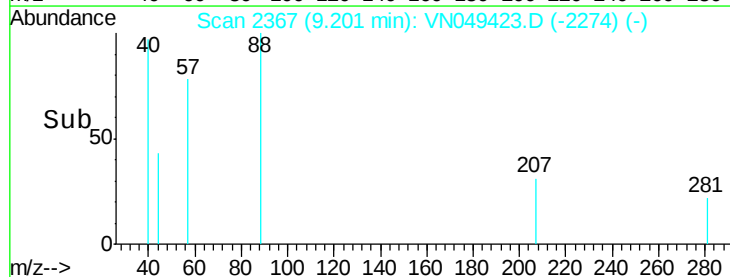
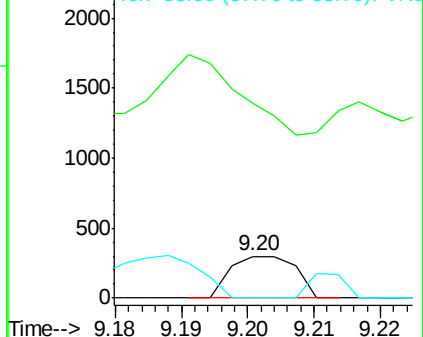
88 100

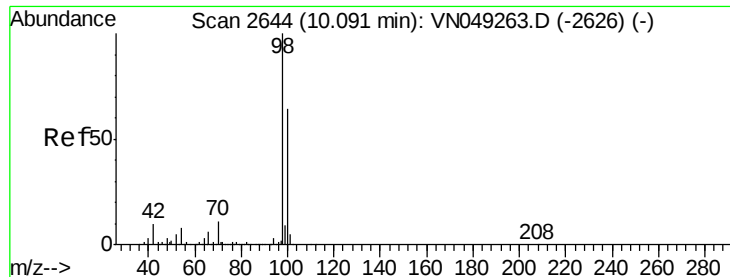
43 65.9 30.9 46.3#

58 31.7 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: 43.990 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN049423.D

Acq: 20 Jun 2018 8:20

Instrument :

MSVOA_N

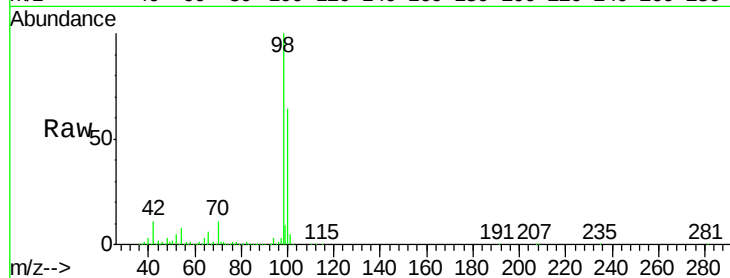
ClientSampled :

Tot Ion: 98 Resp: 2478471

Ion Ratio Lower Upper

98 100

100 63.3 49.8 74.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

1500000

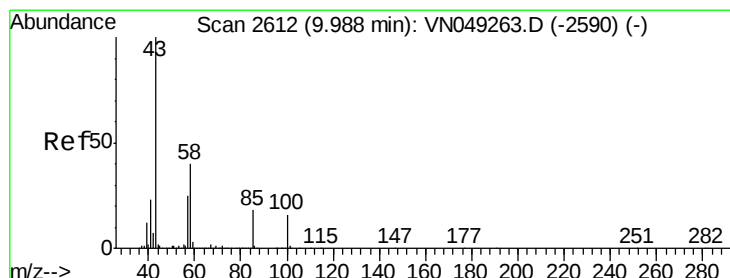
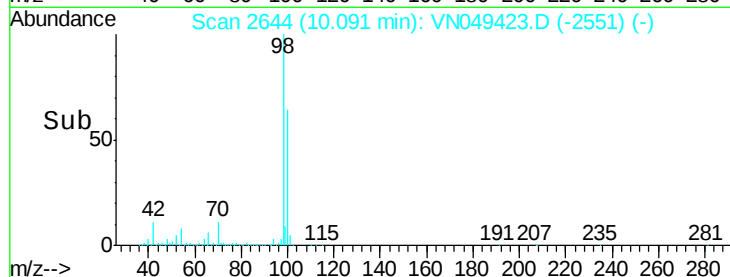
1000000

500000

0

10.09

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.473 ug/l

RT: 9.99 min Scan# 2612

Delta R.T. 0.00 min

Lab File: VN049423.D

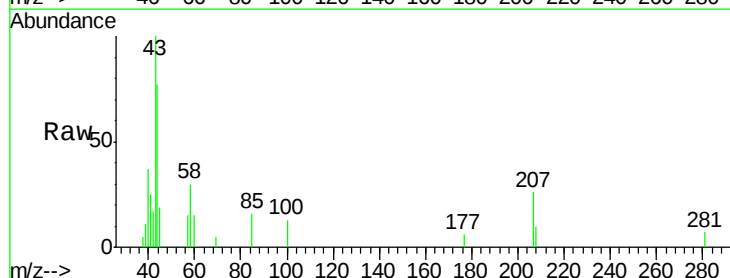
Acq: 20 Jun 2018 8:20

Tgt Ion: 43 Resp: 5402

Ion Ratio Lower Upper

43 100

58 33.9 29.0 43.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

4000

3000

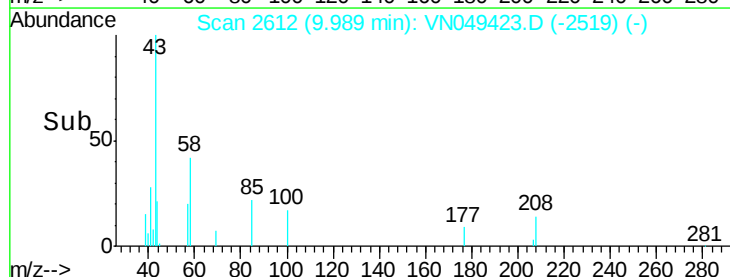
2000

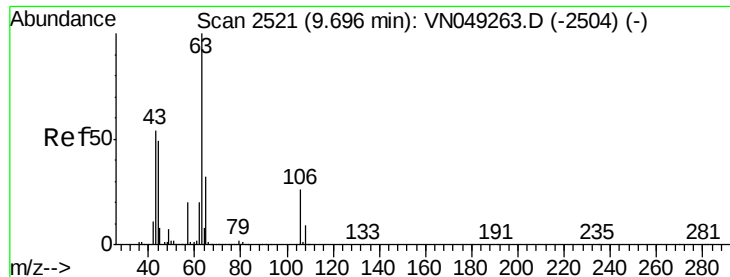
1000

0

9.99

Time-->





#58

2-Chloroethyl Vinyl ether

Concen: 14.331 ug/l

RT: 9.61 min Scan# 2493

Delta R.T. -0.09 min

Lab File: VN049423.D

Acq: 20 Jun 2018 8:20

Instrument :

MSVOA_N

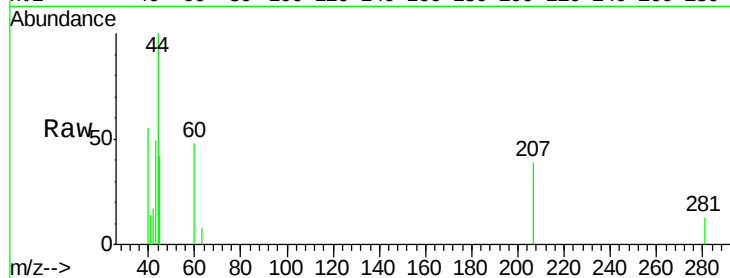
ClientSampleId :

Tot Ion: 63 Resp: 31

Ion Ratio Lower Upper

63 100

106 0.0 19.4 29.2#



Abundance Ion 62.90 (62.60 to 63.60): VN049423.D (-2493) (-)

Ion 105.90 (105.60 to 106.60): VN049423.D (-2493) (-)

9.61

150

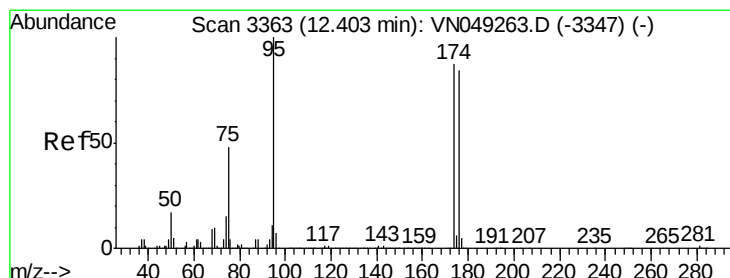
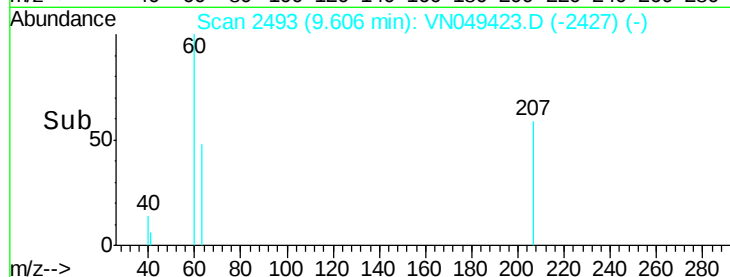
100

50

0

9.60 9.60 9.61 9.61 9.62

Time-->



#62

4-Bromofluorobenzene

Concen: 33.594 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049423.D

Acq: 20 Jun 2018 8:20

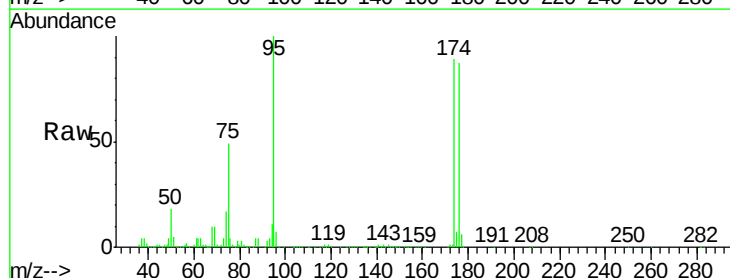
Tgt Ion: 95 Resp: 625840

Ion Ratio Lower Upper

95 100

174 89.7 0.0 165.6

176 86.4 0.0 157.4



Abundance Ion 94.90 (94.60 to 95.60): VN049423.D (-3363) (-)

Ion 173.80 (173.50 to 174.50): VN049423.D (-3363) (-)

Ion 175.80 (175.50 to 176.50): VN049423.D (-3363) (-)

12.40

400000

300000

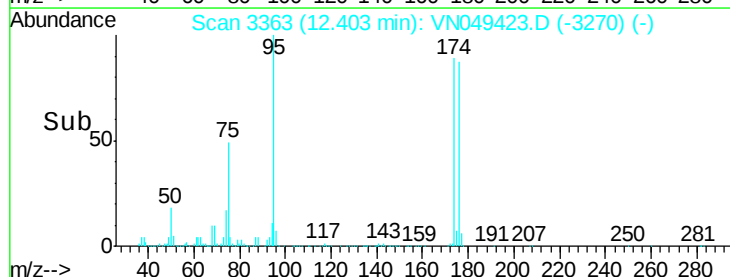
200000

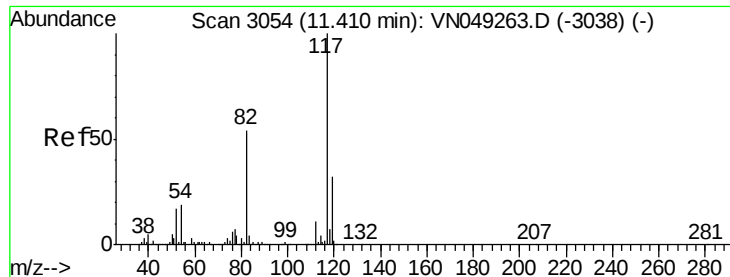
100000

0

12.30 12.40 12.50

Time-->

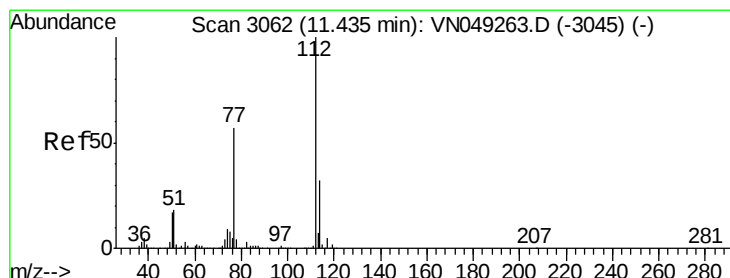
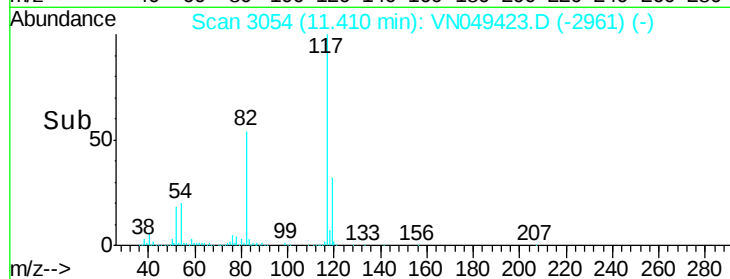
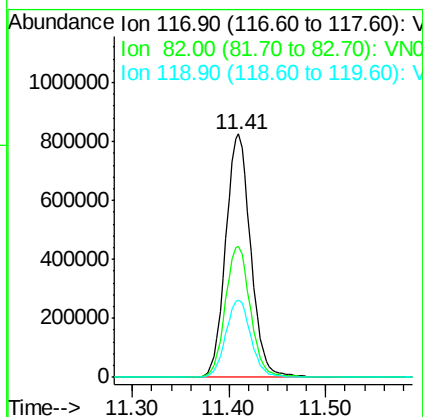
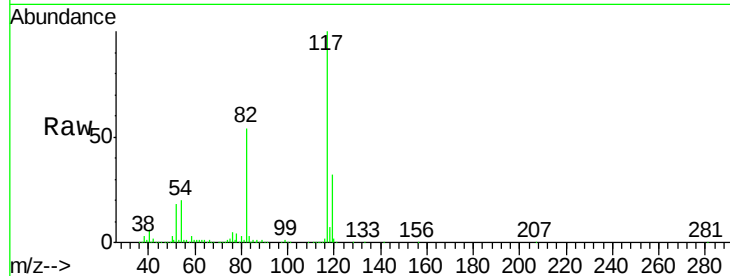




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049423.D
Acq: 20 Jun 2018 8:20

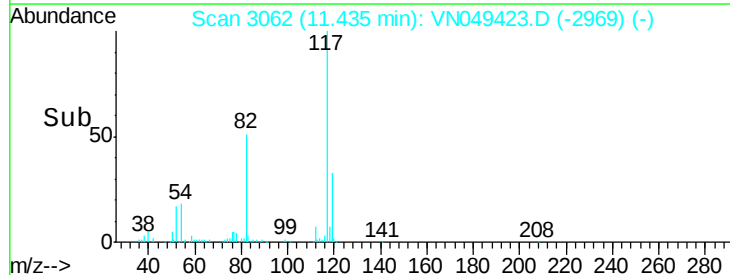
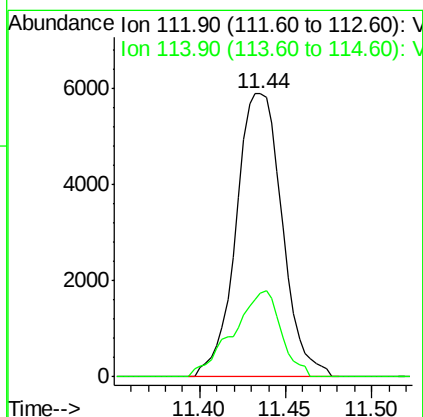
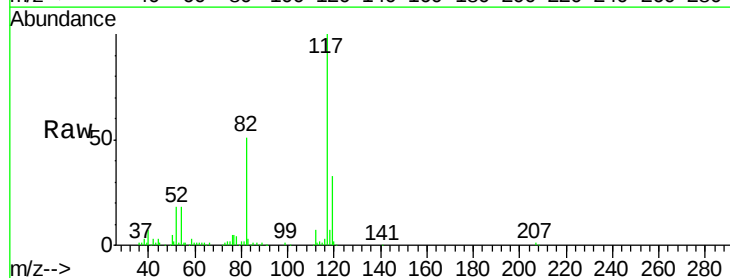
Instrument :
MSVOA_N
ClientSampled :

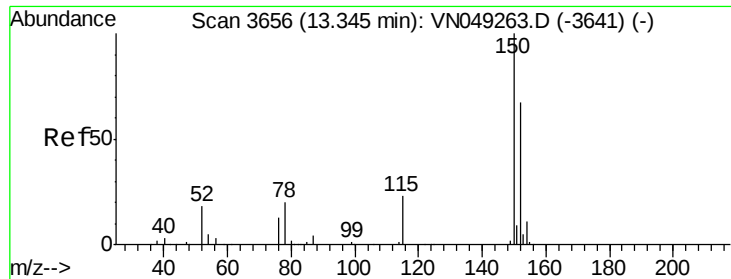
Tot Ion:117 Resp: 1482492
Ion Ratio Lower Upper
117 100
82 54.0 45.9 68.9
119 31.9 25.5 38.3



#65
Chlorobenzene
Concen: 0.287 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN049423.D
Acq: 20 Jun 2018 8:20

Tgt Ion:112 Resp: 10963
Ion Ratio Lower Upper
112 100
114 29.7 26.2 39.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN049423.D

Acq: 20 Jun 2018 8:20

Instrument :

MSVOA_N

ClientSampleId :

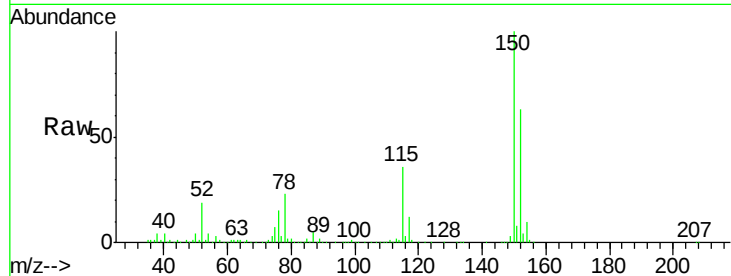
Tot Ion:152 Resp: 431531

Ion Ratio Lower Upper

152 100

115 57.2 28.7 86.1

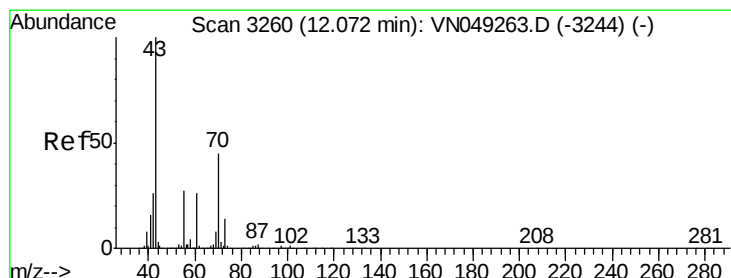
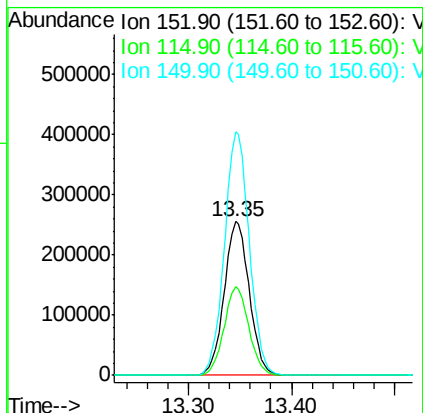
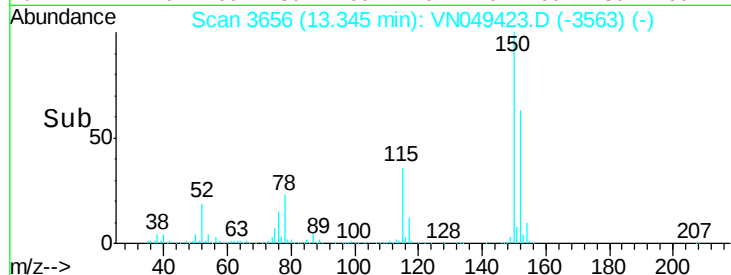
150 157.1 0.0 351.0



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



#74

N-ethyl acetate

Concen: 0.287 ug/l

RT: 12.04 min Scan# 3251

Delta R.T. -0.03 min

Lab File: VN049423.D

Acq: 20 Jun 2018 8:20

Tgt Ion: 43 Resp: 2665

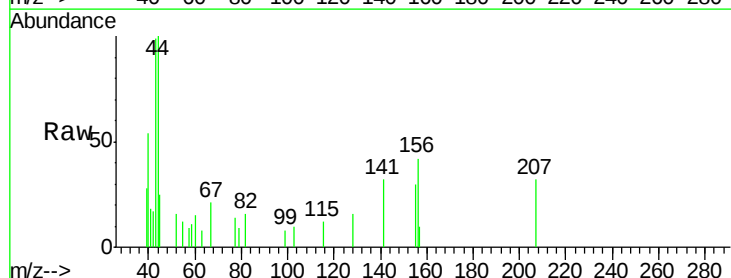
Ion Ratio Lower Upper

43 100

70 0.0 30.3 45.5#

55 7.9 19.4 29.2#

61 0.0 17.8 26.6#

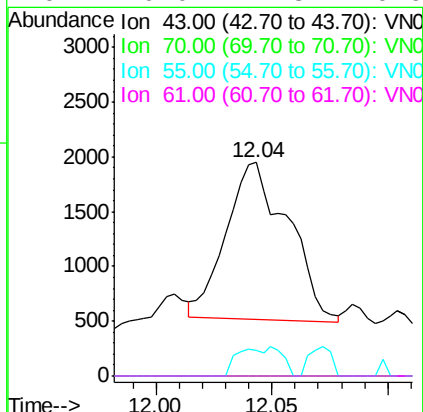
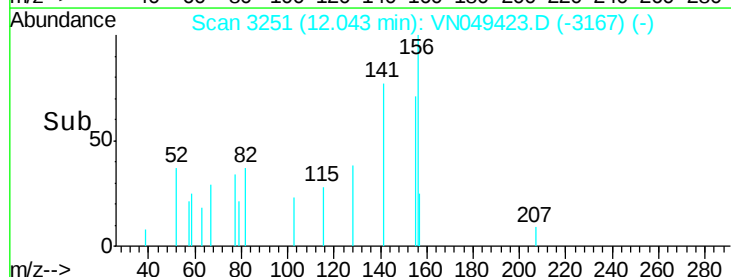


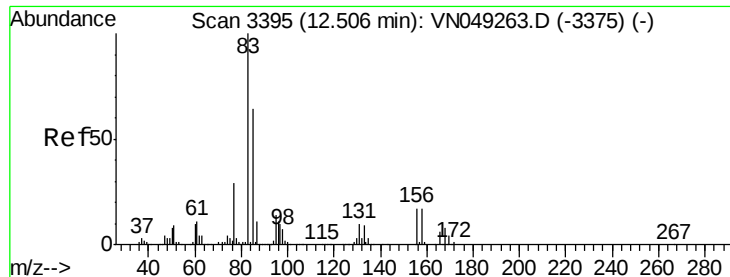
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.50 min Scan# 3394

Delta R.T. -0.00 min

Lab File: VN049423.D

Acq: 20 Jun 2018 8:20

Instrument :

MSVOA_N

ClientSampled :

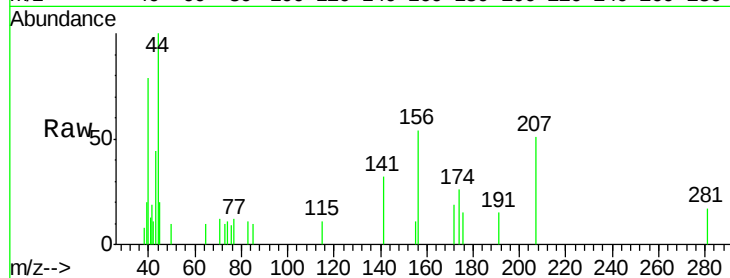
Tot Ion: 83 Resp: 147

Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

85 45.6 32.0 96.0



Abundance Ion 82.90 (82.60 to 83.60): VNO

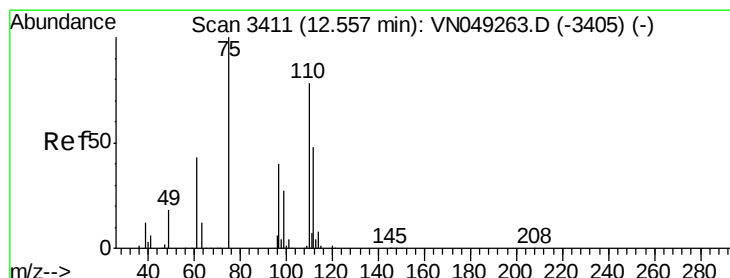
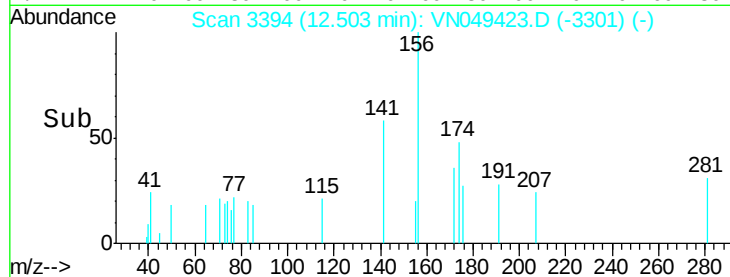
Ion 130.80 (130.50 to 131.50): VNO

Ion 84.90 (84.60 to 85.60): VNO

12.50

12.49 12.51 12.52

Time-->



#76

1,2,3-Trichloropropane

Concen: 41.342 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049423.D

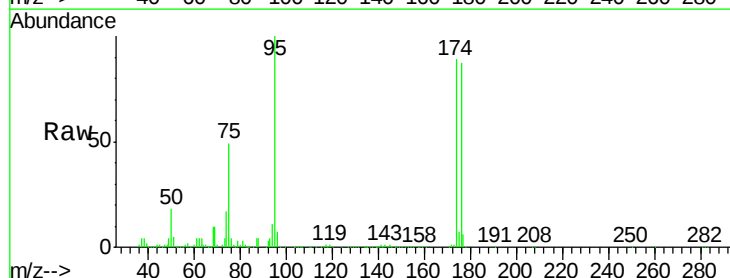
Acq: 20 Jun 2018 8:20

Tgt Ion: 75 Resp: 304400

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



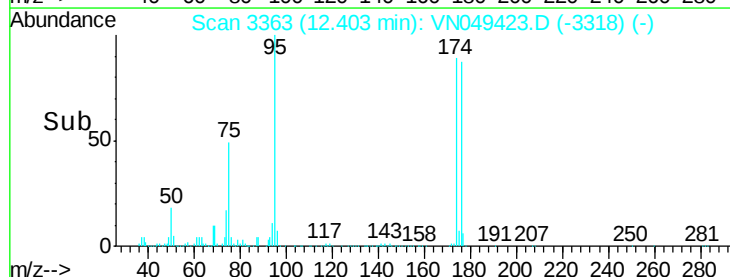
Abundance Ion 74.90 (74.60 to 75.60): VNO

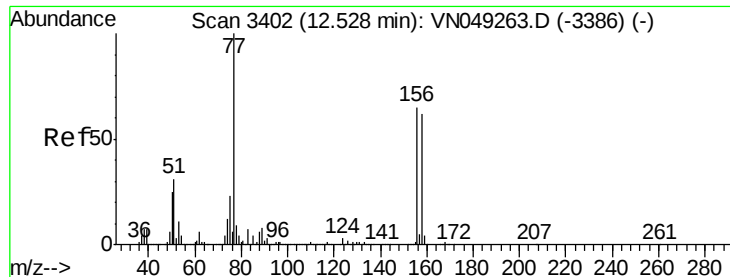
Ion 77.00 (76.70 to 77.70): VNO

12.40

12.35 12.45

Time-->





#77

Bromobenzene

Concen: 1.417 ug/l

RT: 12.58 min Scan# 3417

Delta R.T. 0.05 min

Lab File: VN049423.D

Acq: 20 Jun 2018 8:20

Instrument :

MSVOA_N

ClientSampled :

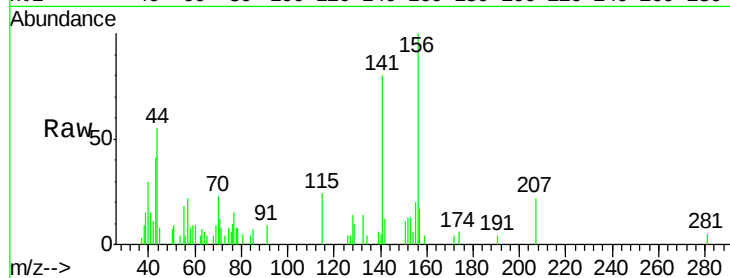
Tot Ion:156 Resp: 14186

Ion Ratio Lower Upper

156 100

77 6.5 100.8 302.4#

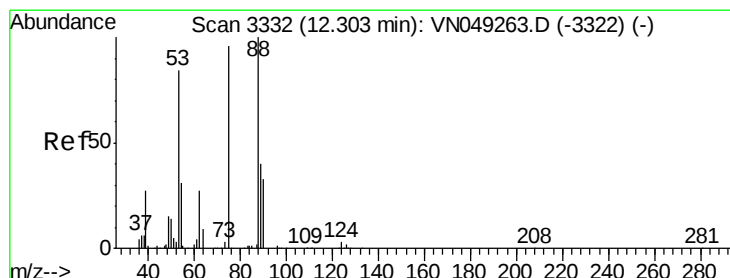
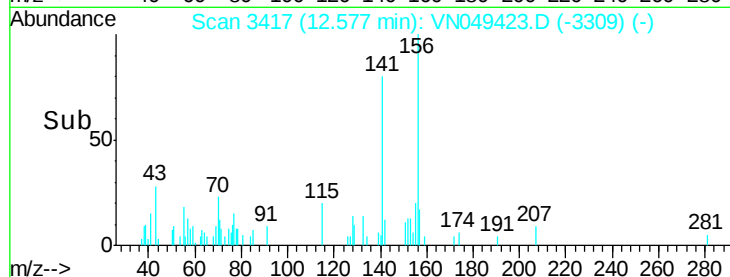
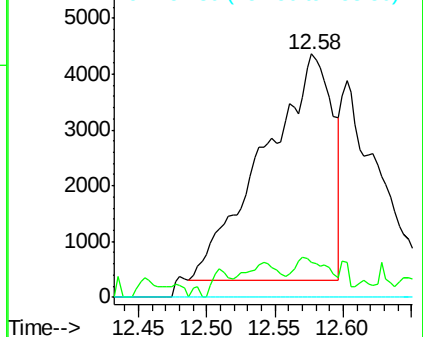
158 0.0 49.3 147.9#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VNO

Ion 157.80 (157.50 to 158.50): V



#81

trans-1,4-Dichloro-2-butene

Concen: 130.662 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049423.D

Acq: 20 Jun 2018 8:20

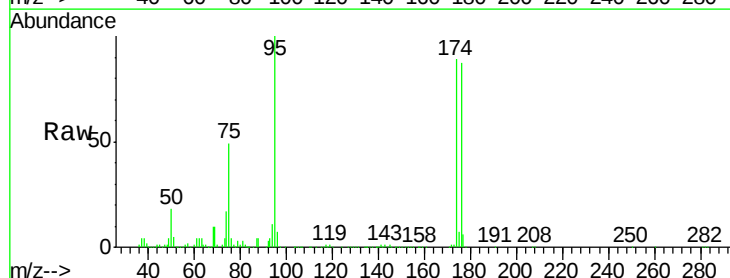
Tgt Ion: 75 Resp: 304400

Ion Ratio Lower Upper

75 100

53 0.3 82.7 124.1#

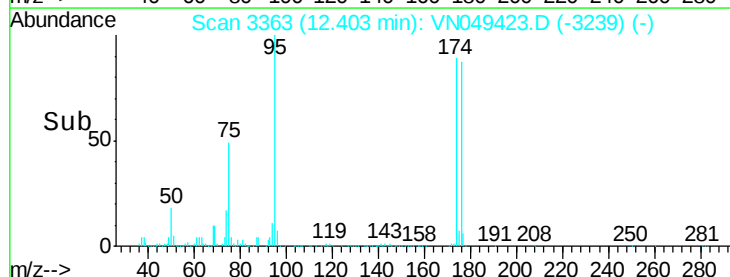
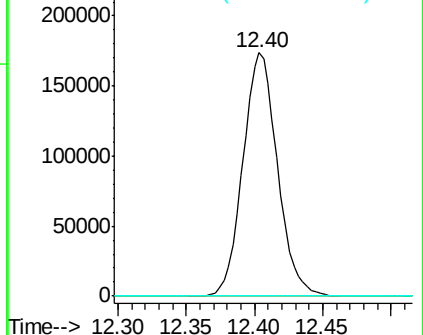
89 0.0 36.5 54.7#

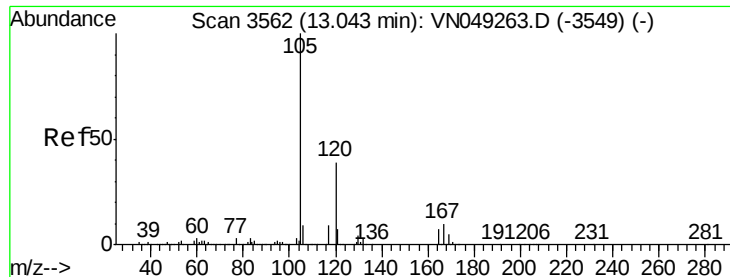


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#84

1,2,4-Trimethylbenzene

Concen: 0.286 ug/l

RT: 13.04 min Scan# 3561

Delta R.T. -0.00 min

Lab File: VN049423.D

Acq: 20 Jun 2018 8:20

Instrument :

MSVOA_N

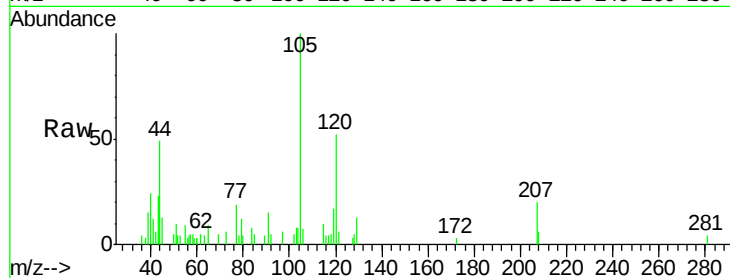
ClientSampleId :

Tot Ion:105 Resp: 8450

Ion Ratio Lower Upper

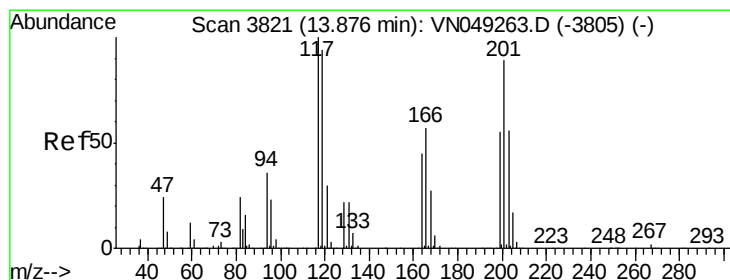
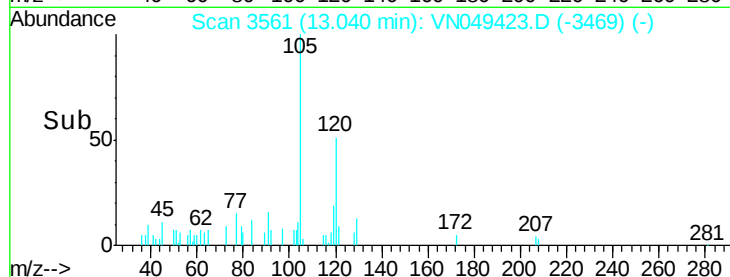
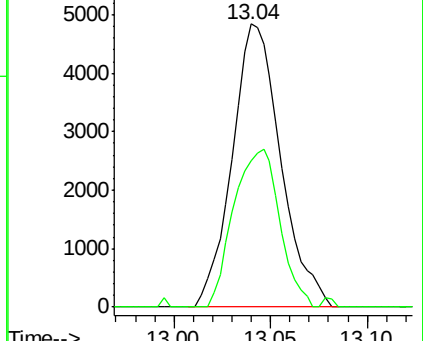
105 100

120 52.8 22.2 66.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#90

Hexachloroethane

Concen: Below Cal

RT: 13.89 min Scan# 3824

Delta R.T. 0.01 min

Lab File: VN049423.D

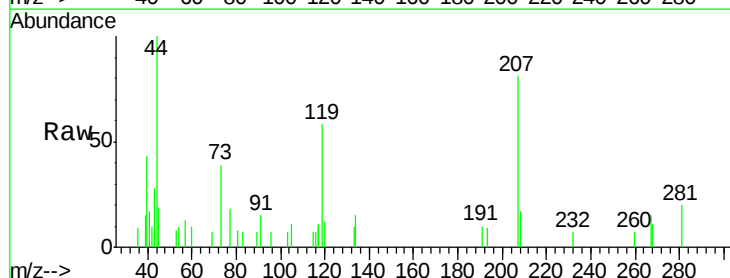
Acq: 20 Jun 2018 8:20

Tgt Ion:117 Resp: 321

Ion Ratio Lower Upper

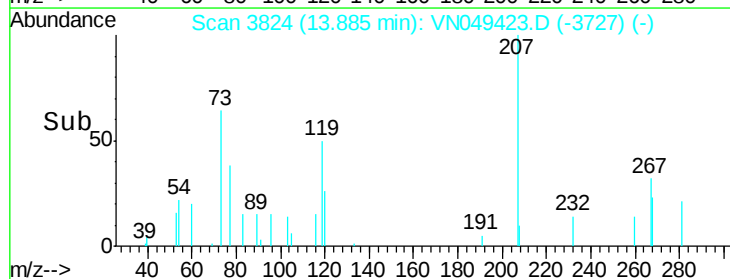
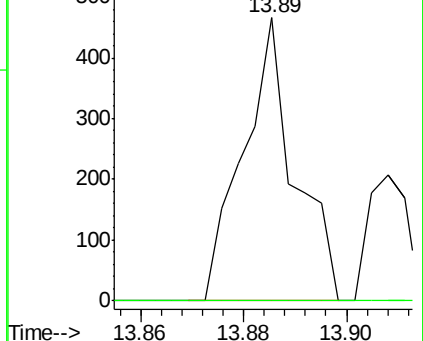
117 100

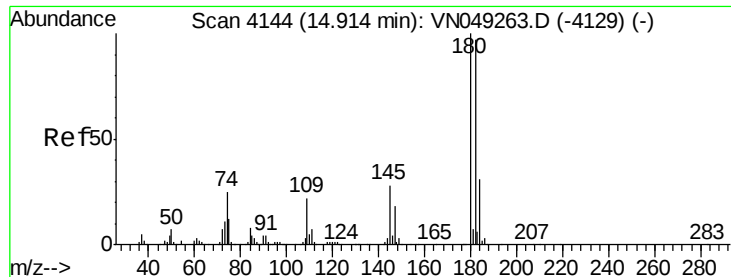
201 0.0 40.1 120.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V





#93

1,2,4-Trichlorobenzene

Concen: 4.754 ug/l

RT: 14.91 min Scan# 4144

Delta R.T. 0.00 min

Lab File: VN049423.D

Acq: 20 Jun 2018 8:20

Instrument :

MSVOA_N

ClientSampleId :

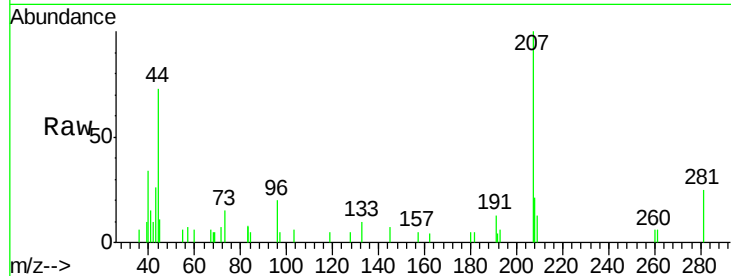
Tot Ion:180 Resp: 96

Ion Ratio Lower Upper

180 100

182 0.0 46.9 140.8#

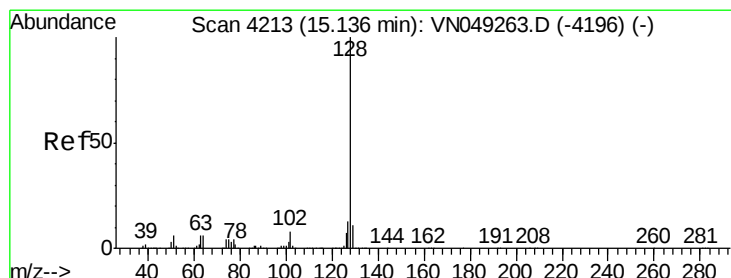
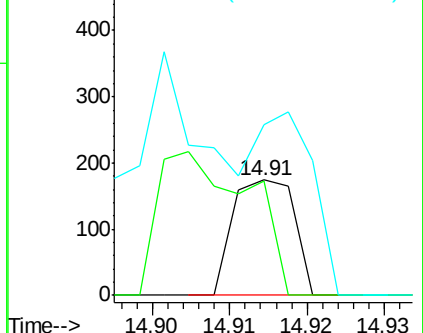
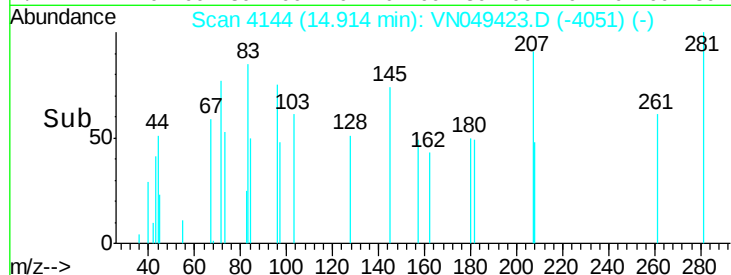
145 147.9 14.7 44.1#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#95

Naphthalene

Concen: 13.681 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049423.D

Acq: 20 Jun 2018 8:20

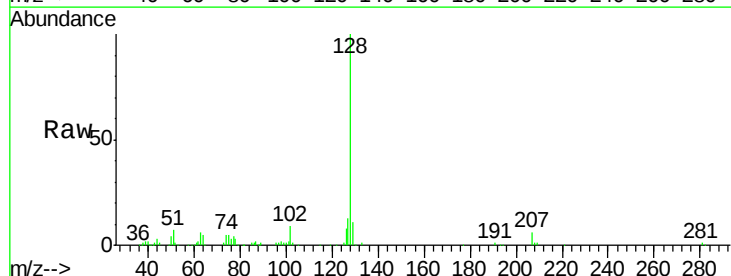
Tgt Ion:128 Resp: 143478

Ion Ratio Lower Upper

128 100

127 13.0 10.6 16.0

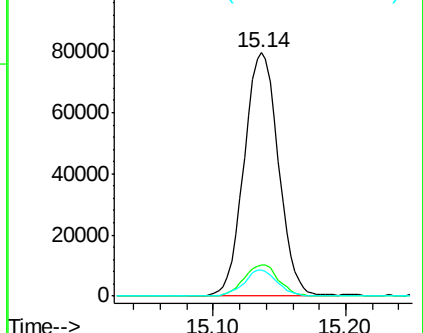
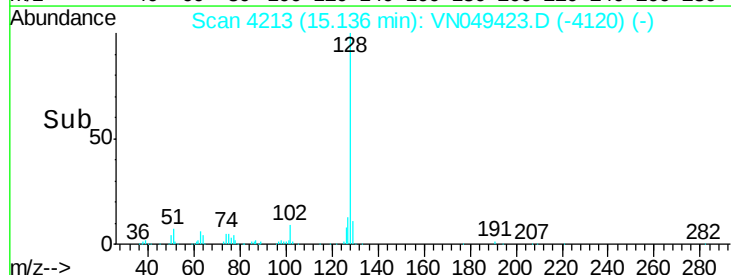
129 10.4 8.5 12.7

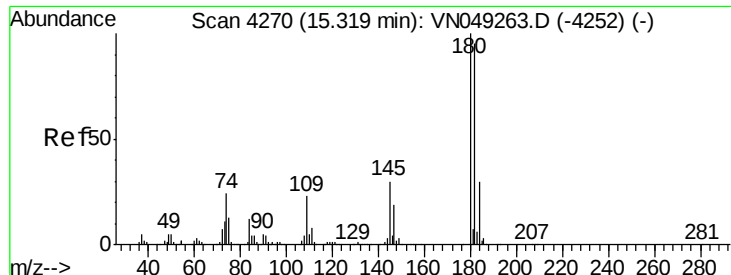


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

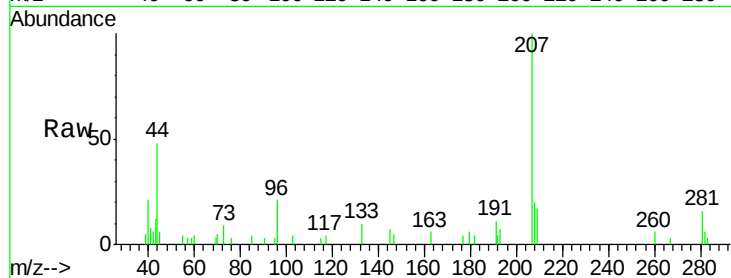




#96
 1,2,3-Trichlorobenzene
 Concen: 3.499 ug/l
 RT: 15.31 min Scan# 4267
 Delta R.T. -0.01 min
 Lab File: VN049423.D
 Acq: 20 Jun 2018 8:20

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	34.9	47.3	141.8#
145	94.4	15.6	46.7#



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

