

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN062118\
 Data File : VN049471.D
 Acq On : 21 Jun 2018 16:36
 Operator : MD\SY
 Sample : J3575-10
 Misc : 8.38g/5.0mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-12

Quant Time: Jun 21 17:00:08 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	7.66	168	1604124	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2519169	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2232759	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	891835	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	1075361	50.54	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.08%	
35) Dibromofluoromethane	7.59	113	943865	46.31	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	92.62%	
50) Toluene-d8	10.09	98	3507806	45.20	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	90.40%	
62) 4-Bromofluorobenzene	12.40	95	1134815	44.22	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	88.44%	

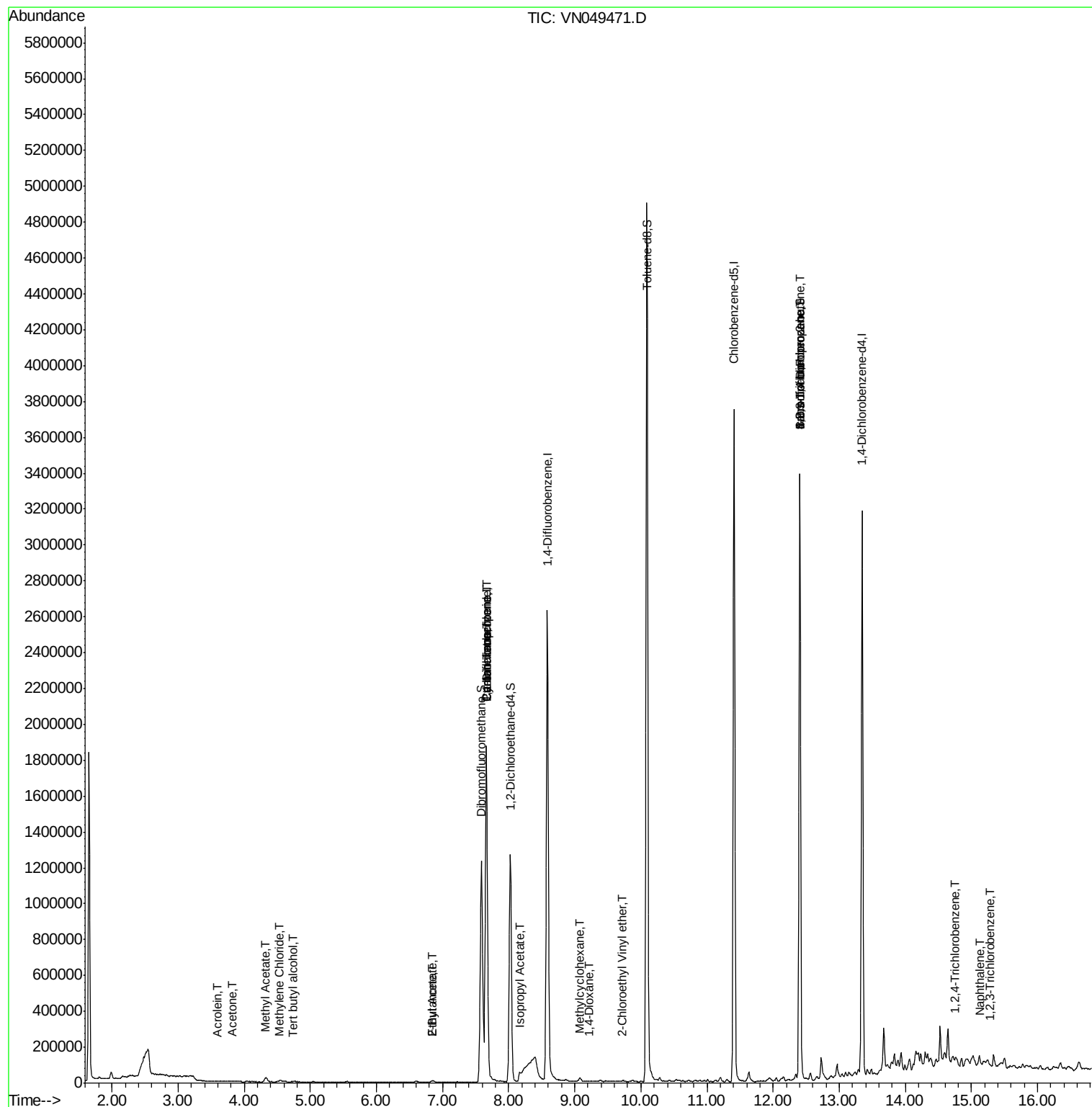
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.75	59	720	0.577	ug/l #	70
13) Acrolein	3.59	56	420	0.321	ug/l #	64
16) Acetone	3.82	43	1691	0.327	ug/l #	83
18) Methyl Acetate	4.33	43	52520	3.334	ug/l	97
20) Methylene Chloride	4.54	84	5166	0.239	ug/l #	74
25) 2-Butanone	6.85	43	8591	1.239	ug/l	96
31) Cyclohexane	7.66	56	32223	0.851	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	111130	3.849	ug/l #	50
37) Ethyl Acetate	6.85	43	8591	0.547	ug/l #	70
38) Carbon Tetrachloride	7.66	117	141410	4.731	ug/l #	17
39) Methylcyclohexane	9.08	83	8497	0.274	ug/l	88
43) Isopropyl Acetate	8.17	43	34646	1.155	ug/l #	64
49) 1,4-Dioxane	9.21	88	163	0.836	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.70	63	149	14.344	ug/l #	51
71) Bromoform	12.41	173	6164	0.440	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.51	83	357	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	547442	35.976	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	547442	113.703	ug/l #	9
90) Hexachloroethane	13.89	117	701	Below Cal	#	9
93) 1,2,4-Trichlorobenzene	14.74	180	325	4.762	ug/l	88
94) Hexachlorobutadiene	15.00	225	568	Below Cal	#	33
95) Naphthalene	15.14	128	5939	2.320	ug/l #	65
96) 1,2,3-Trichlorobenzene	15.28	180	212	3.471	ug/l	97

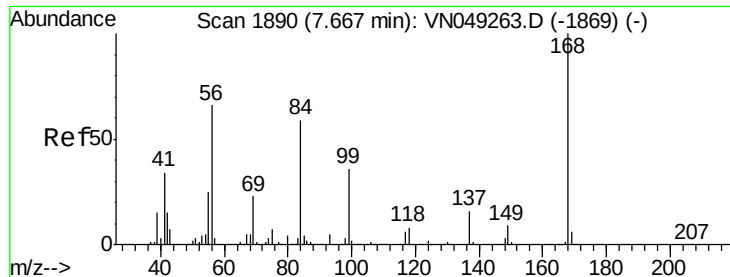
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.66 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VN049471.D

Acq: 21 Jun 2018 16:36

Instrument :

MSVOA_N

ClientSampled :

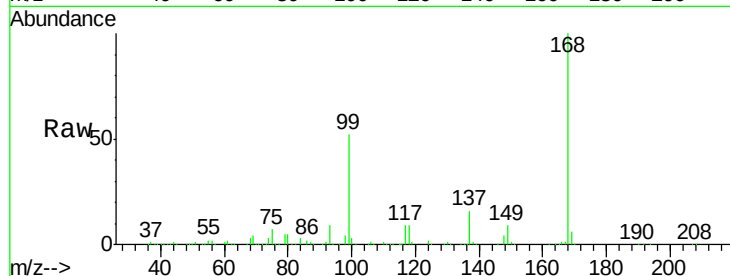
TP-12

Tgt Ion:168 Resp: 1604124

Ion Ratio Lower Upper

168 100

99 51.7 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.66

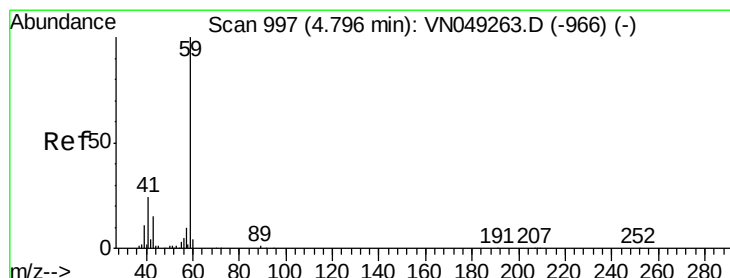
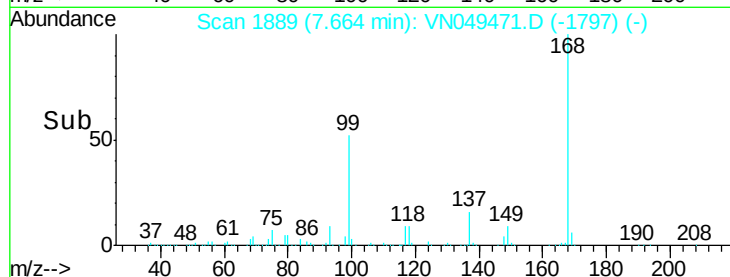
600000

400000

200000

0

Time-->



#11

Tert butyl alcohol

Concen: 0.577 ug/l

RT: 4.75 min Scan# 983

Delta R.T. -0.05 min

Lab File: VN049471.D

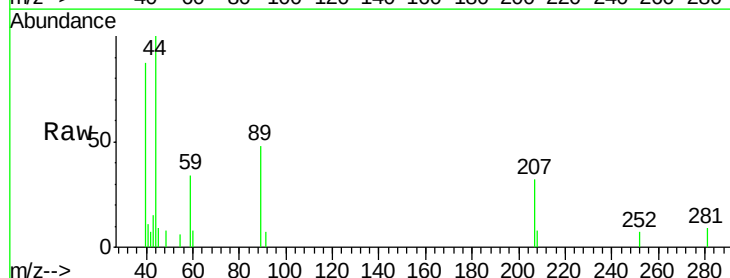
Acq: 21 Jun 2018 16:36

Tgt Ion: 59 Resp: 720

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

4.75

800

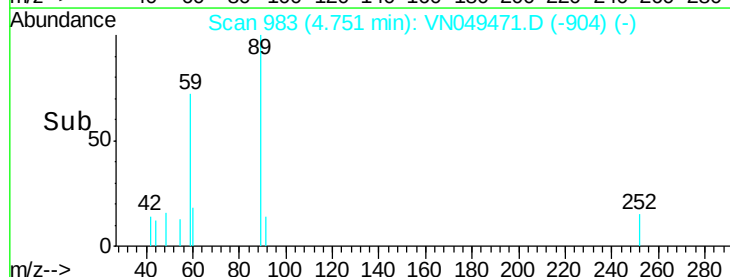
600

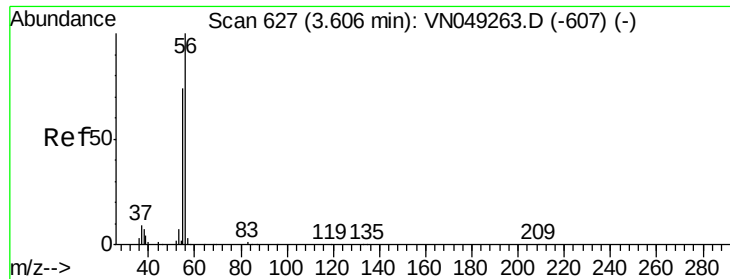
400

200

0

Time-->





#13

Acrolein

Concen: 0.321 ug/l

RT: 3.59 min Scan# 621

Delta R.T. -0.02 min

Lab File: VN049471.D

Acq: 21 Jun 2018 16:36

Instrument :

MSVOA_N

ClientSampled :

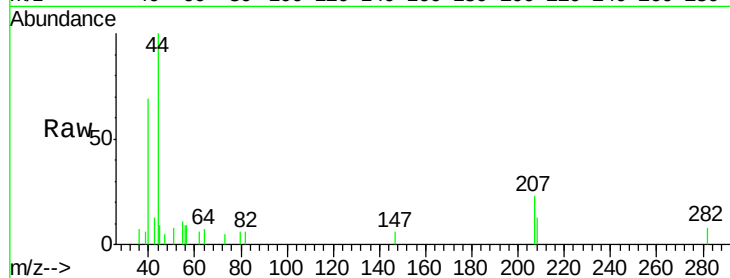
TP-12

Tgt Ion: 56 Resp: 420

Ion Ratio Lower Upper

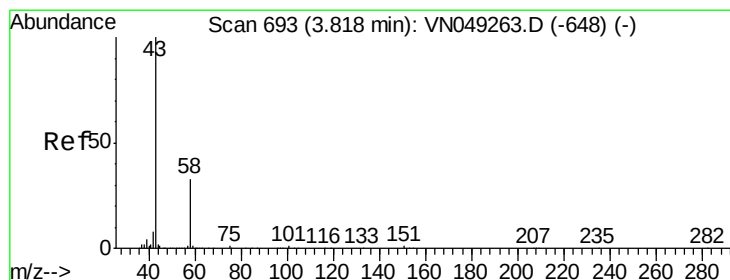
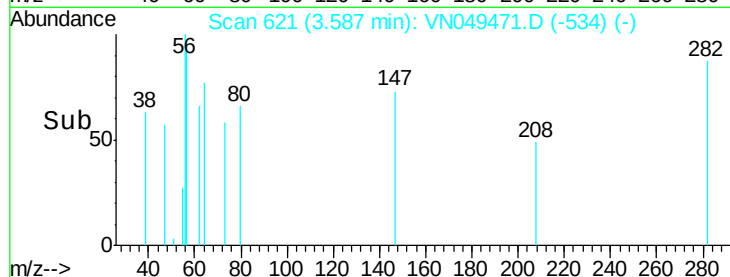
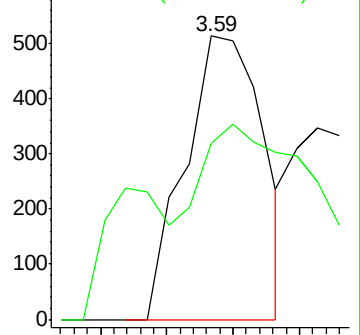
56 100

55 101.7 57.1 85.7#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#16

Acetone

Concen: 0.327 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.01 min

Lab File: VN049471.D

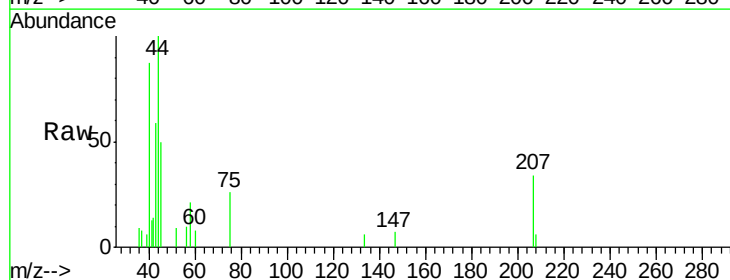
Acq: 21 Jun 2018 16:36

Tgt Ion: 43 Resp: 1691

Ion Ratio Lower Upper

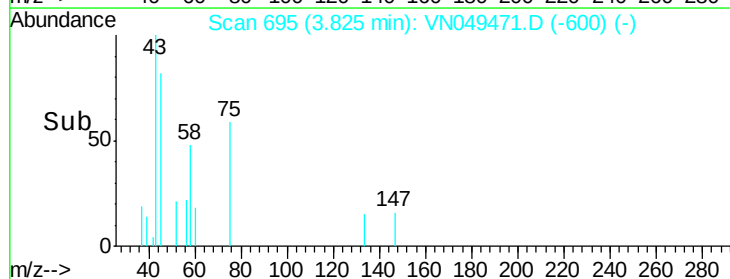
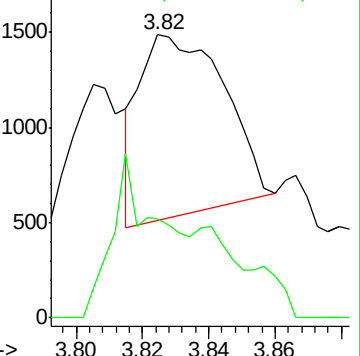
43 100

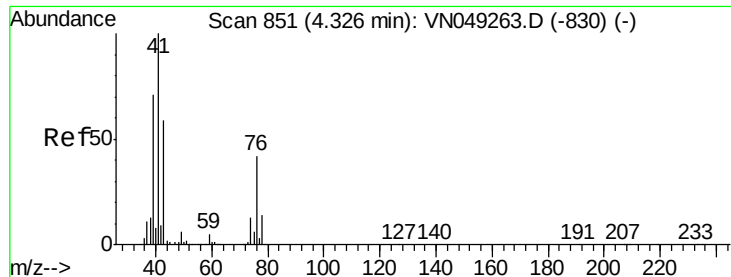
58 36.9 22.4 33.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

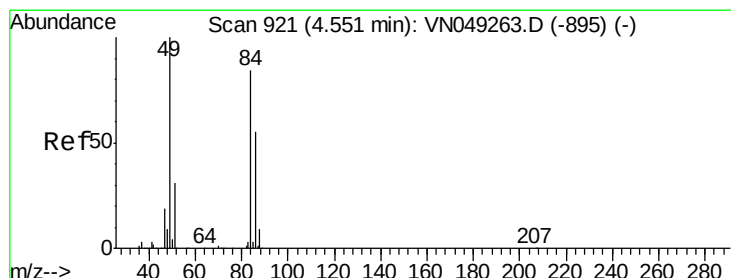
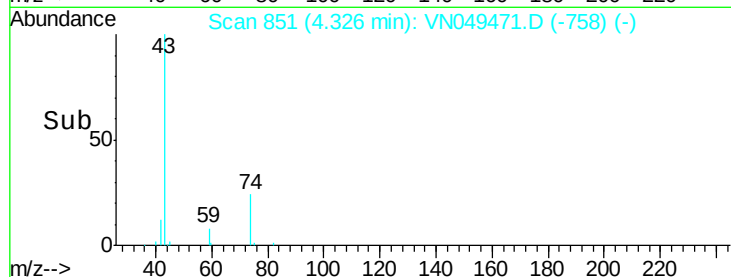
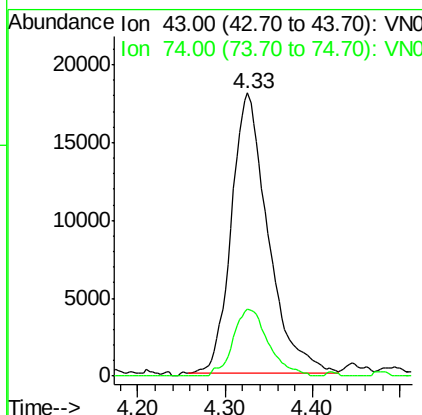
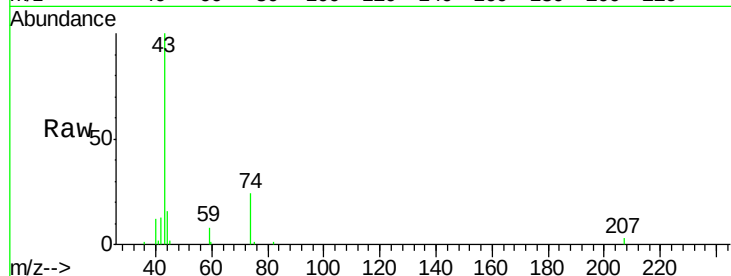




#18
Methyl Acetate
Concen: 3.334 ug/l
RT: 4.33 min Scan# 851
Delta R.T. 0.00 min
Lab File: VN049471.D
Acq: 21 Jun 2018 16:36

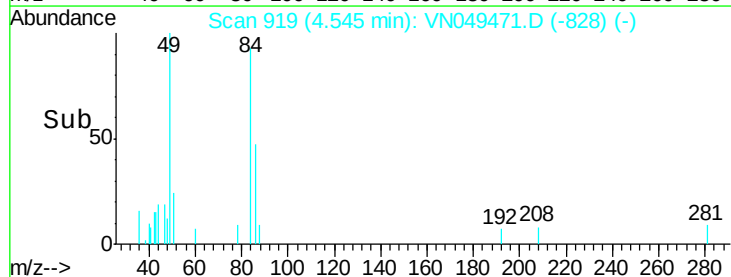
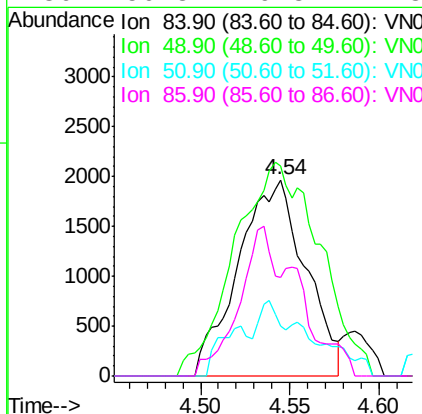
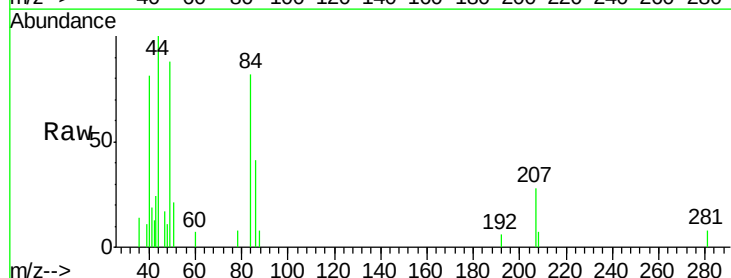
Instrument :
MSVOA_N
ClientSampleId :
TP-12

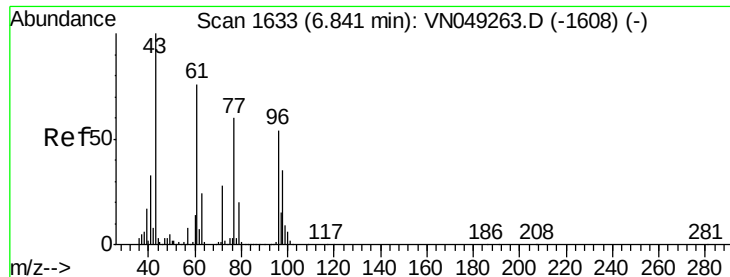
Tgt Ion: 43 Resp: 52520
Ion Ratio Lower Upper
43 100
74 23.1 17.4 26.0



#20
Methylene Chloride
Concen: 0.239 ug/l
RT: 4.54 min Scan# 919
Delta R.T. -0.01 min
Lab File: VN049471.D
Acq: 21 Jun 2018 16:36

Tgt Ion: 84 Resp: 5166
Ion Ratio Lower Upper
84 100
49 96.3 106.9 160.3#
51 25.3 32.7 49.1#
86 50.3 49.8 74.8

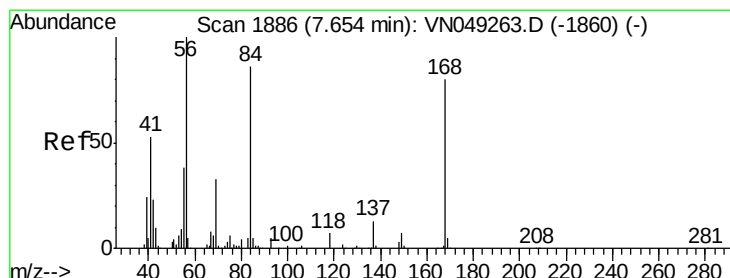
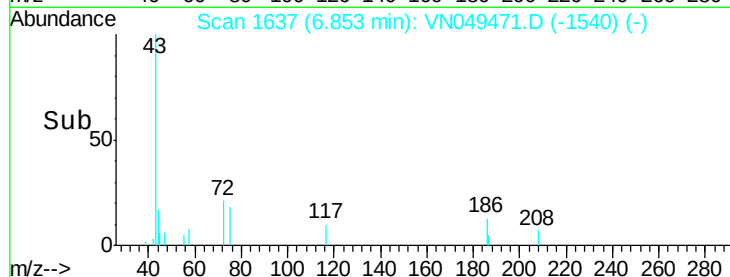
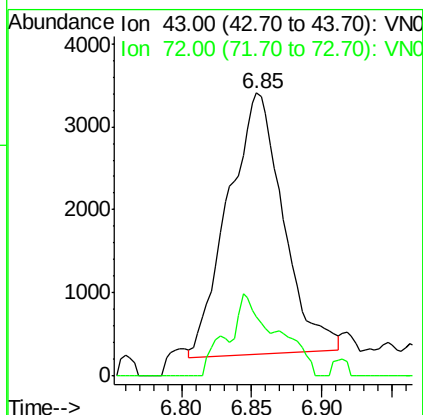
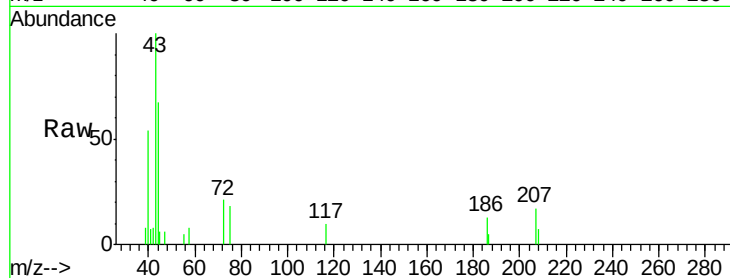




#25
2-Butanone
Concen: 1.239 ug/l
RT: 6.85 min Scan# 1637
Delta R.T. 0.01 min
Lab File: VN049471.D
Acq: 21 Jun 2018 16:36

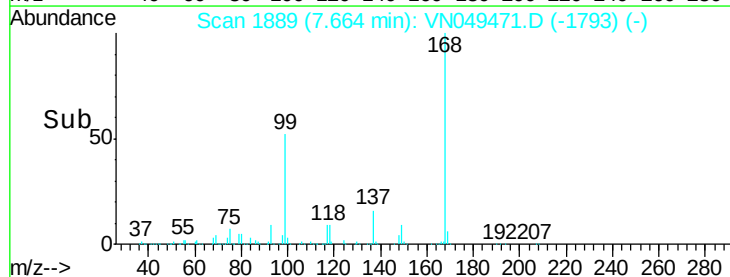
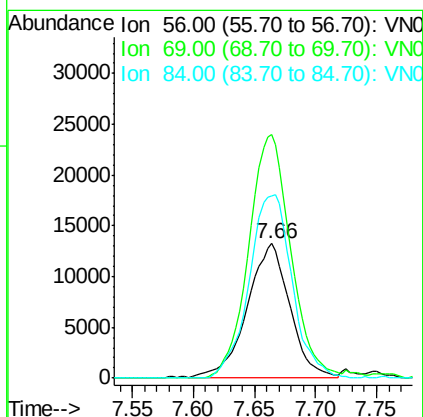
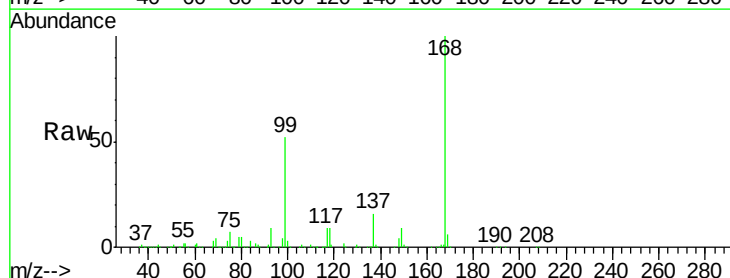
Instrument :
MSVOA_N
ClientSampleId :
TP-12

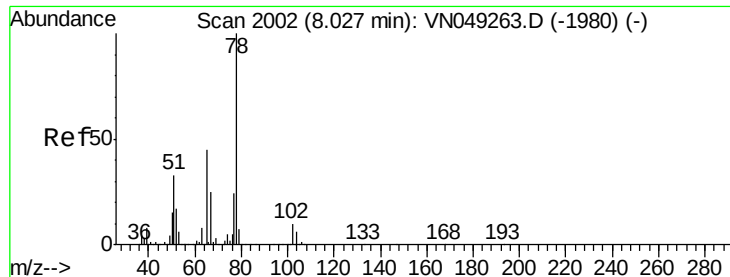
Tgt Ion: 43 Resp: 8591
Ion Ratio Lower Upper
43 100
72 23.3 20.2 30.2



#31
Cyclohexane
Concen: 0.851 ug/l
RT: 7.66 min Scan# 1889
Delta R.T. 0.01 min
Lab File: VN049471.D
Acq: 21 Jun 2018 16:36

Tgt Ion: 56 Resp: 32223
Ion Ratio Lower Upper
56 100
69 180.7 25.0 37.4#
84 135.4 64.6 96.8#

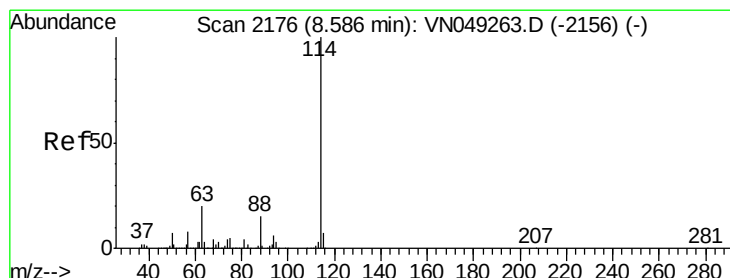
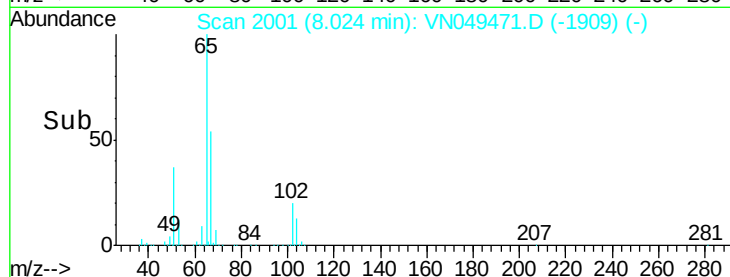
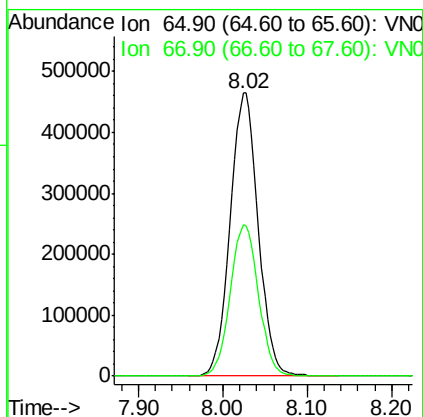
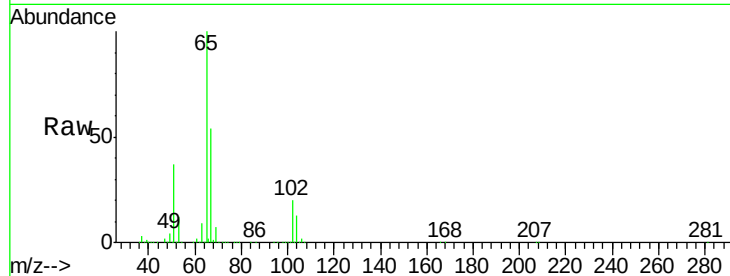




#33
 1,2-Dichloroethane-d4
 Concen: 50.543 ug/l
 RT: 8.02 min Scan# 2001
 Delta R.T. -0.00 min
 Lab File: VN049471.D
 Acq: 21 Jun 2018 16:36

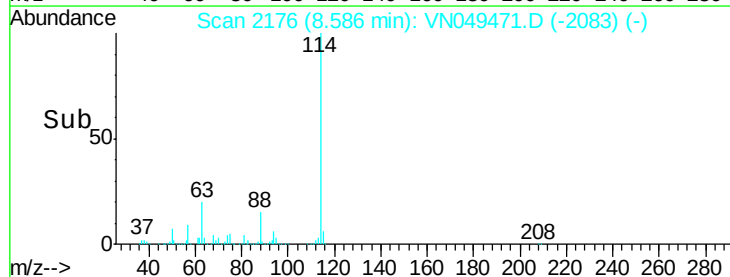
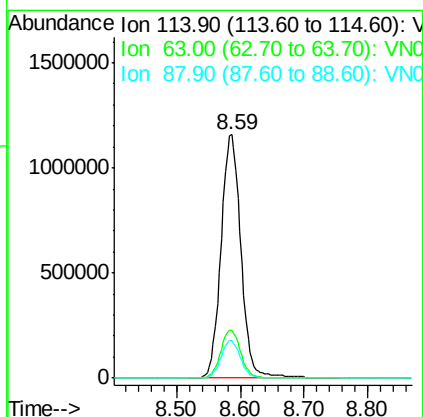
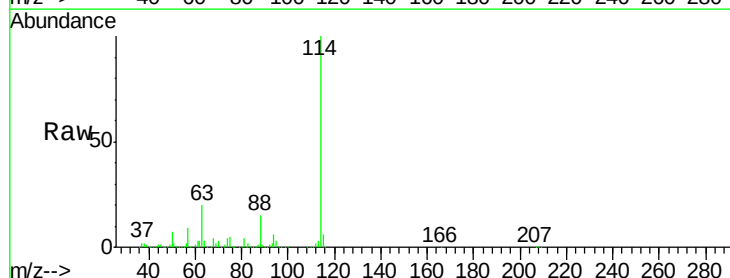
Instrument :
 MSVOA_N
 ClientSampled :
 TP-12

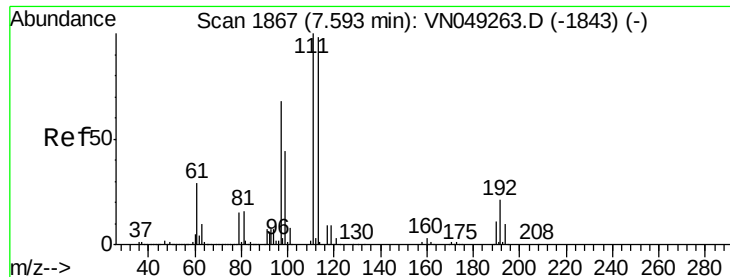
Tgt Ion: 65 Resp: 1075361
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049471.D
 Acq: 21 Jun 2018 16:36

Tgt Ion: 114 Resp: 2519169
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 44.4
 88 15.4 0.0 31.4





#35

Dibromofluoromethane

Concen: 46.311 ug/l

RT: 7.59 min Scan# 1865

Delta R.T. -0.01 min

Lab File: VN049471.D

Acq: 21 Jun 2018 16:36

Instrument :

MSVOA_N

ClientSampleId :

TP-12

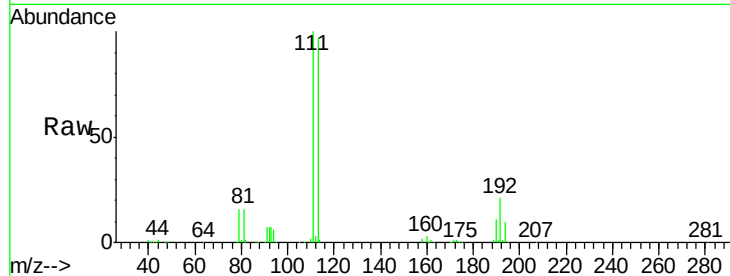
Tgt Ion:113 Resp: 943865

Ion Ratio Lower Upper

113 100

111 102.6 82.4 123.6

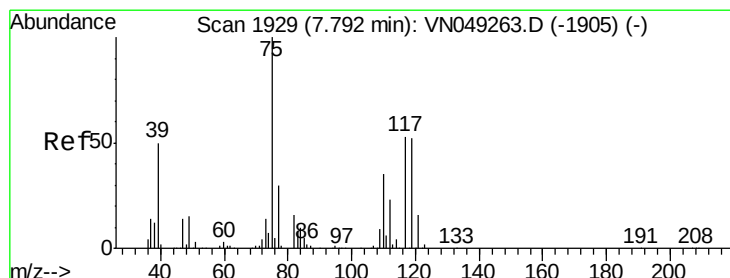
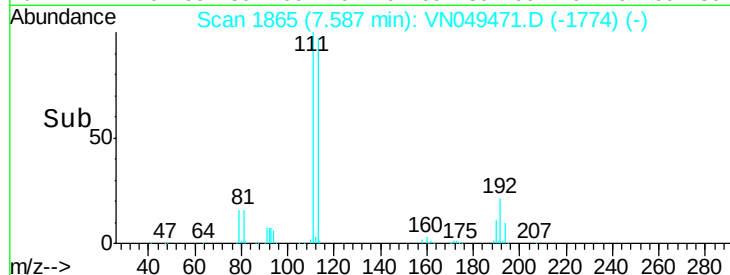
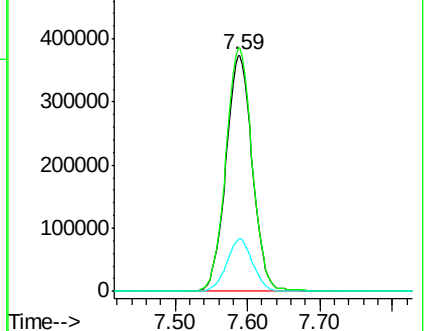
192 21.9 15.0 22.6



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: 3.849 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. -0.13 min

Lab File: VN049471.D

Acq: 21 Jun 2018 16:36

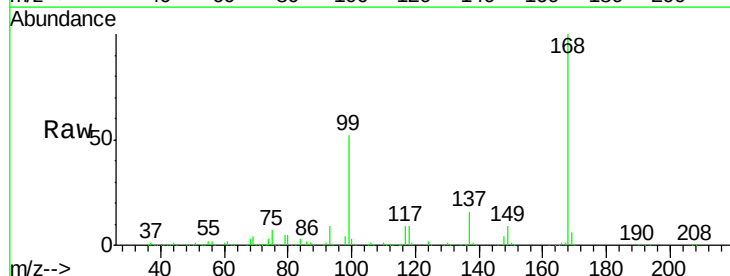
Tgt Ion: 75 Resp: 111130

Ion Ratio Lower Upper

75 100

110 8.5 17.0 50.9#

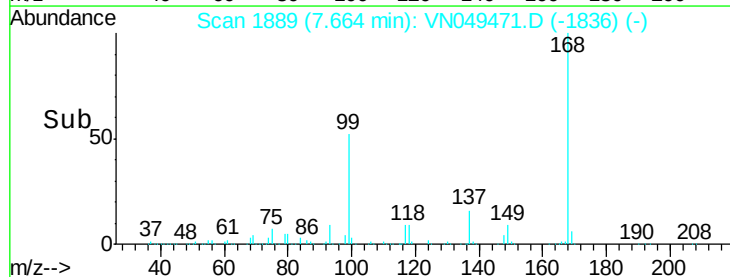
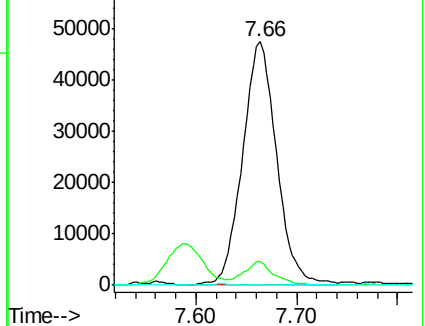
77 0.1 24.4 36.6#

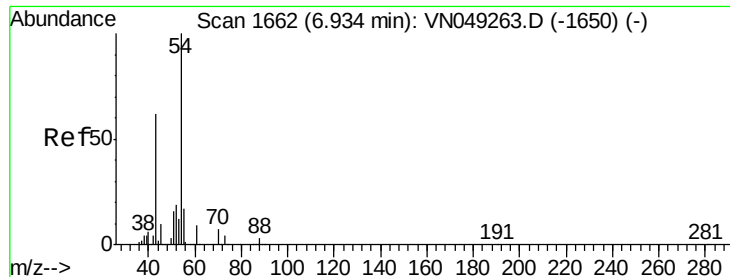


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

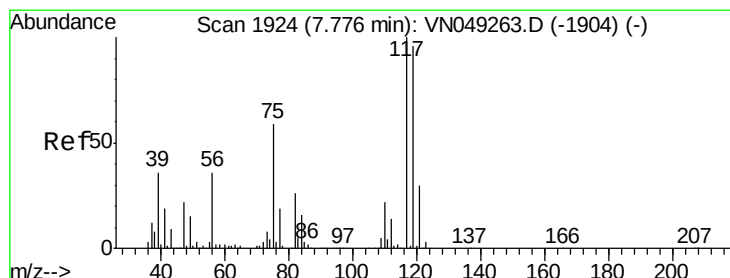
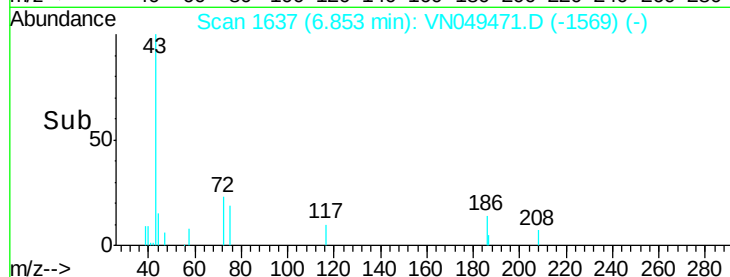
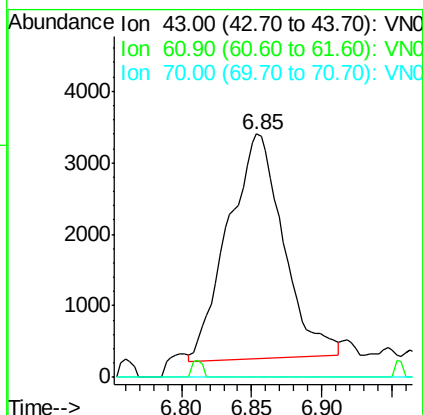
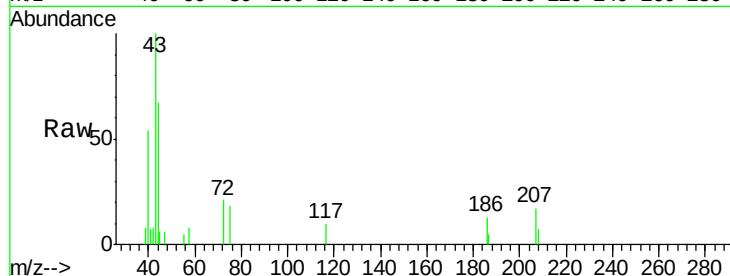




#37
Ethyl Acetate
Concen: 0.547 ug/l
RT: 6.85 min Scan# 1637
Delta R.T. -0.08 min
Lab File: VN049471.D
Acq: 21 Jun 2018 16:36

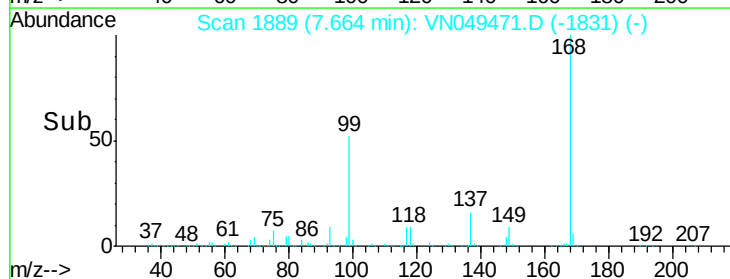
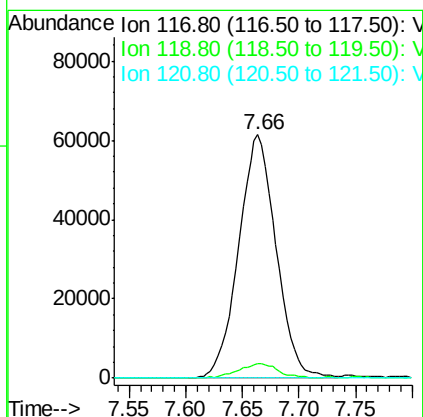
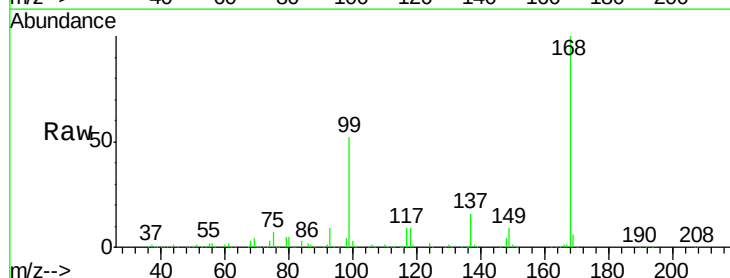
Instrument :
MSVOA_N
ClientSampleId :
TP-12

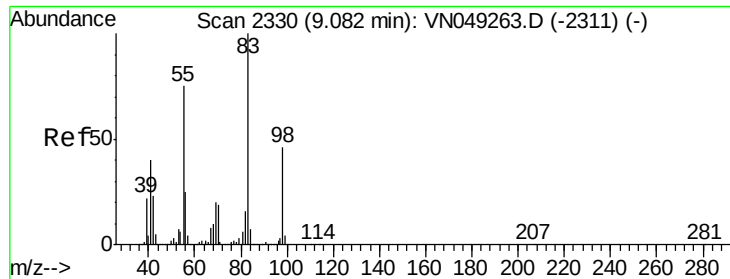
Tgt Ion: 43 Resp: 8591
Ion Ratio Lower Upper
43 100
61 0.0 11.0 16.4#
70 0.0 7.2 10.8#



#38
Carbon Tetrachloride
Concen: 4.731 ug/l
RT: 7.66 min Scan# 1889
Delta R.T. -0.11 min
Lab File: VN049471.D
Acq: 21 Jun 2018 16:36

Tgt Ion: 117 Resp: 141410
Ion Ratio Lower Upper
117 100
119 6.0 75.6 113.4#
121 0.0 24.7 37.1#

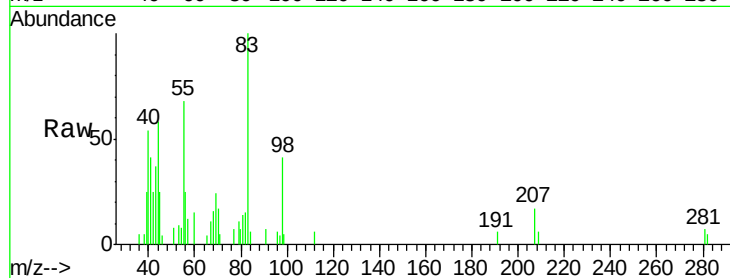




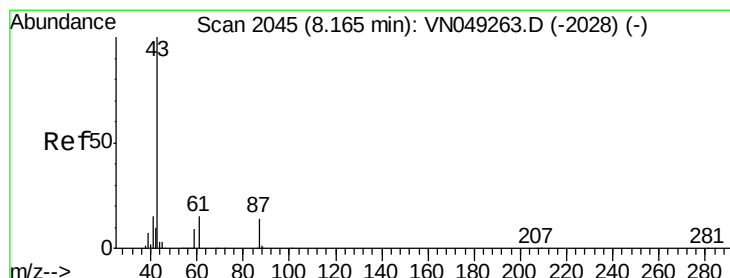
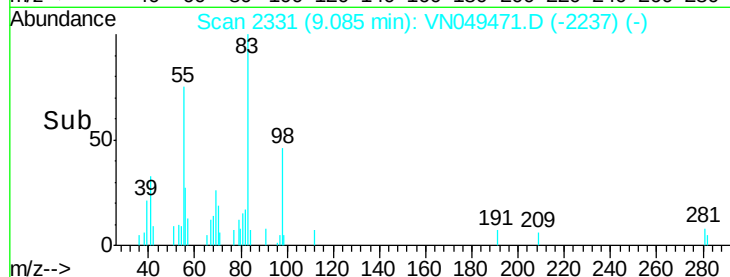
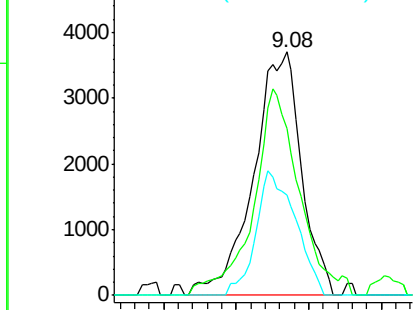
#39
Methylcyclohexane
Concen: 0.274 ug/l
RT: 9.08 min Scan# 2331
Delta R.T. 0.00 min
Lab File: VN049471.D
Acq: 21 Jun 2018 16:36

Instrument :
MSVOA_N
ClientSampled :
TP-12

Tgt Ion: 83 Resp: 8497
Ion Ratio Lower Upper
83 100
55 68.3 65.1 97.7
98 41.4 36.5 54.7

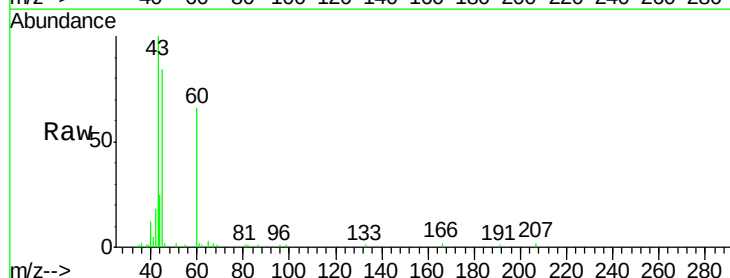


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

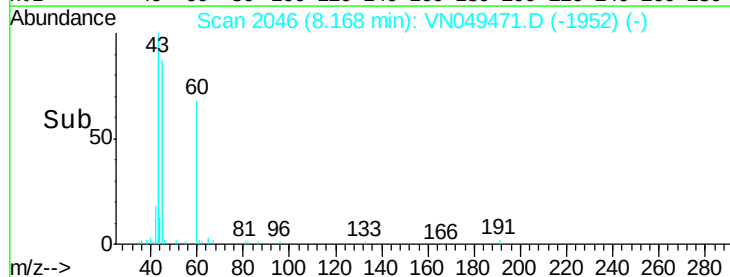
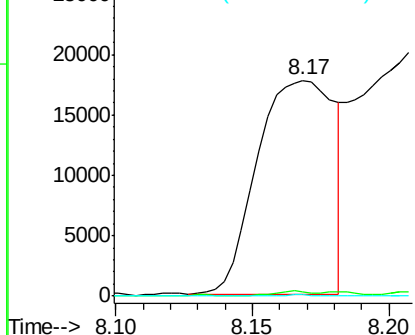


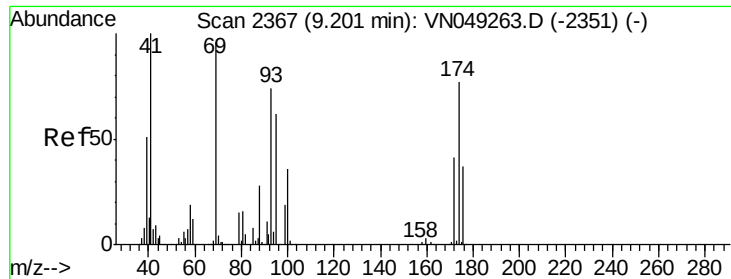
#43
Isopropyl Acetate
Concen: 1.155 ug/l
RT: 8.17 min Scan# 2046
Delta R.T. 0.00 min
Lab File: VN049471.D
Acq: 21 Jun 2018 16:36

Tgt Ion: 43 Resp: 34646
Ion Ratio Lower Upper
43 100
61 0.0 14.2 21.4#
87 0.2 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

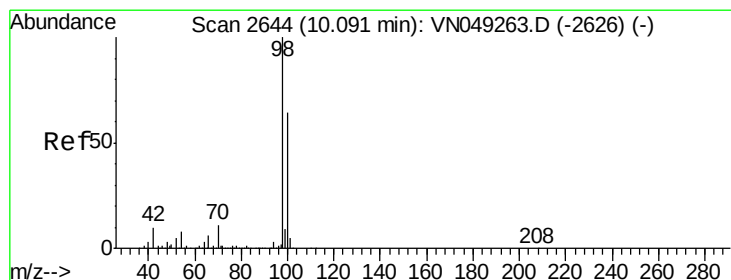
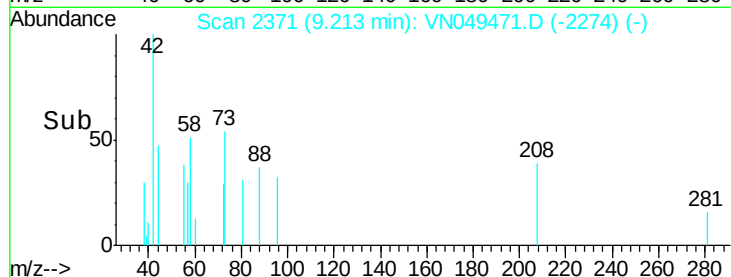
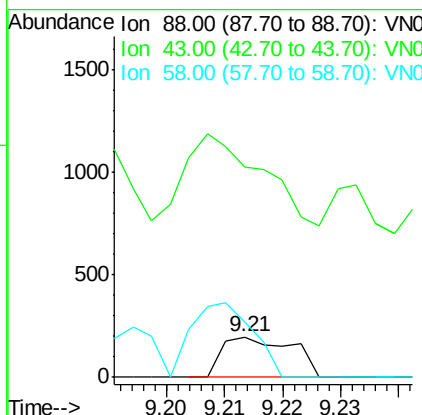
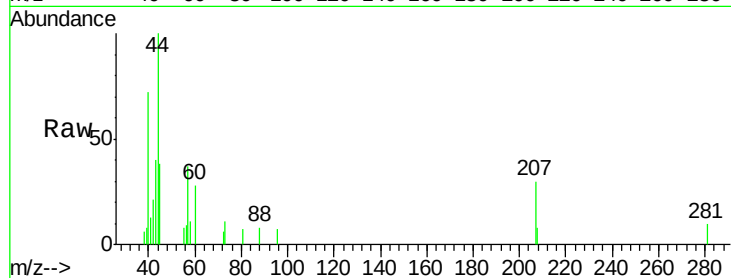




#49
1,4-Dioxane
Concen: 0.836 ug/l
RT: 9.21 min Scan# 2371
Delta R.T. 0.01 min
Lab File: VN049471.D
Acq: 21 Jun 2018 16:36

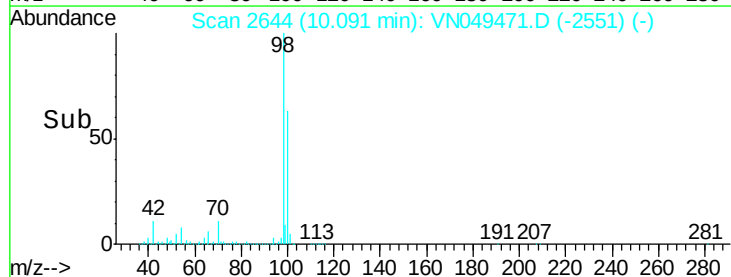
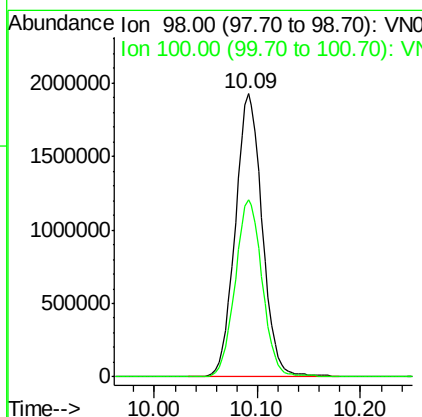
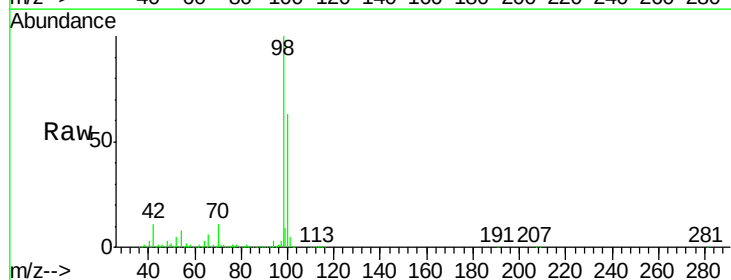
Instrument :
MSVOA_N
ClientSampled :
TP-12

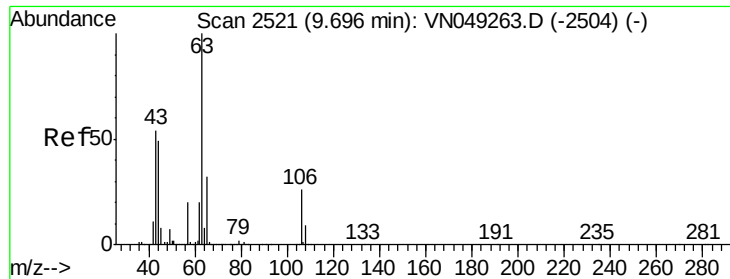
Tgt Ion: 88 Resp: 163
Ion Ratio Lower Upper
88 100
43 248.5 30.9 46.3#
58 164.4 58.9 88.3#



#50
Toluene-d8
Concen: 45.201 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049471.D
Acq: 21 Jun 2018 16:36

Tgt Ion: 98 Resp: 3507806
Ion Ratio Lower Upper
98 100
100 63.4 49.8 74.8

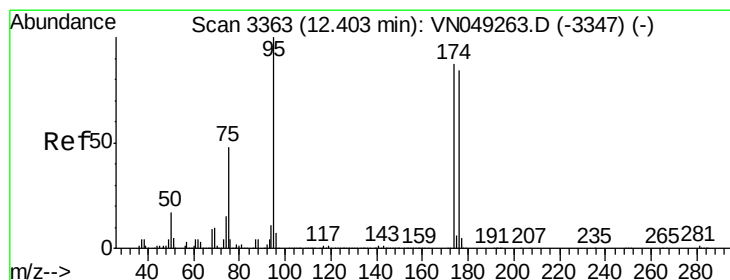
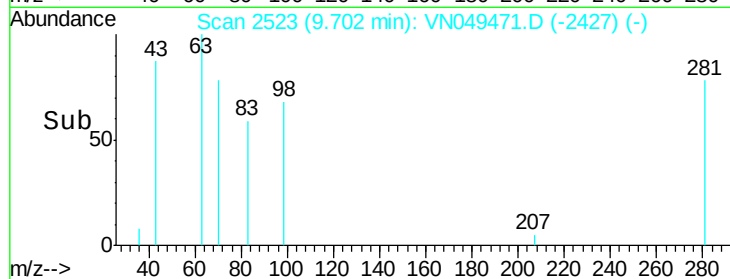
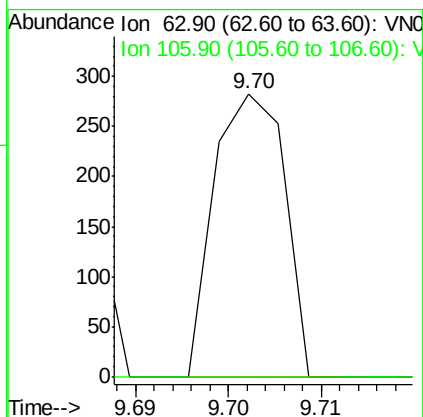
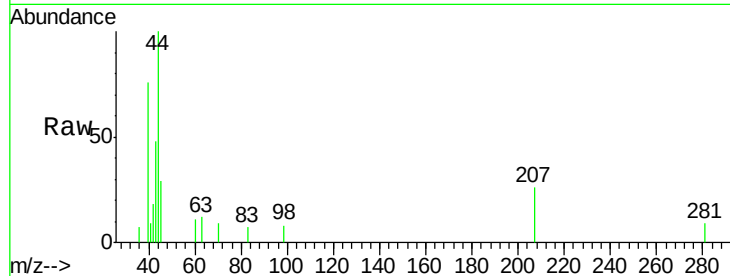




#58
 2-Chloroethyl Vinyl ether
 Concen: 14.344 ug/l
 RT: 9.70 min Scan# 2523
 Delta R.T. 0.01 min
 Lab File: VN049471.D
 Acq: 21 Jun 2018 16:36

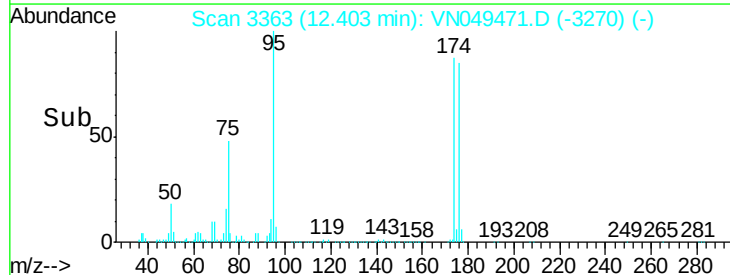
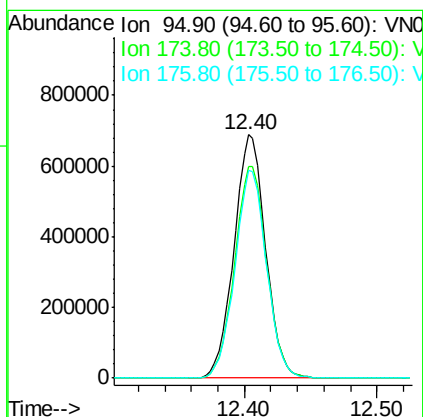
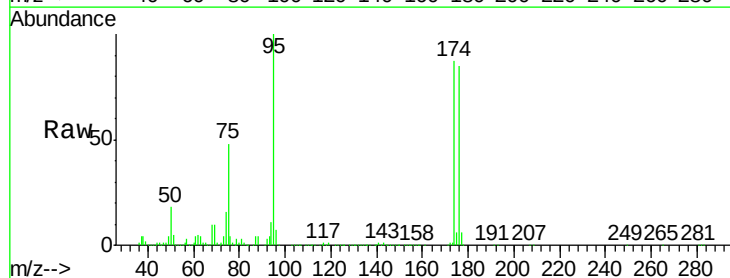
Instrument :
 MSVOA_N
 ClientSampled :
 TP-12

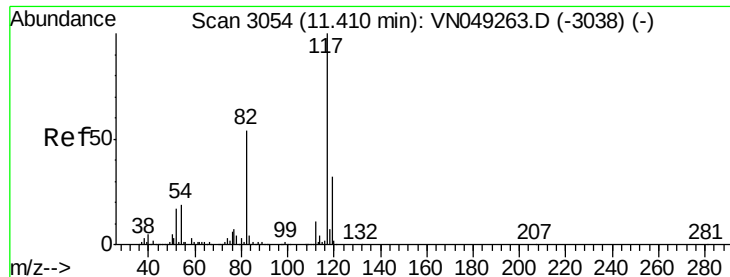
Tgt Ion: 63 Resp: 149
 Ion Ratio Lower Upper
 63 100
 106 0.0 19.4 29.2#



#62
 4-Bromofluorobenzene
 Concen: 44.225 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN049471.D
 Acq: 21 Jun 2018 16:36

Tgt Ion: 95 Resp: 1134815
 Ion Ratio Lower Upper
 95 100
 174 88.8 0.0 165.6
 176 85.4 0.0 157.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN049471.D

Acq: 21 Jun 2018 16:36

Instrument :

MSVOA_N

ClientSampleId :

TP-12

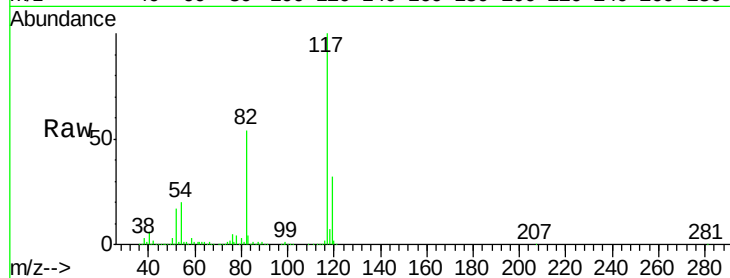
Tgt Ion:117 Resp: 2232759

Ion Ratio Lower Upper

117 100

82 53.6 45.9 68.9

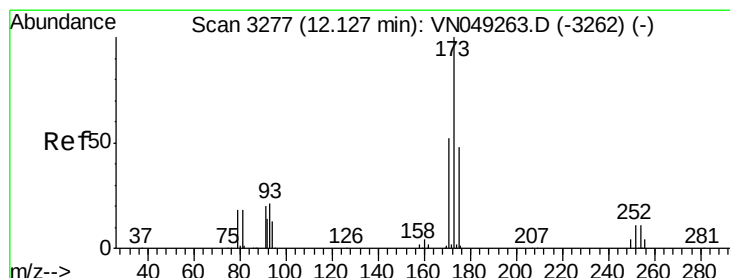
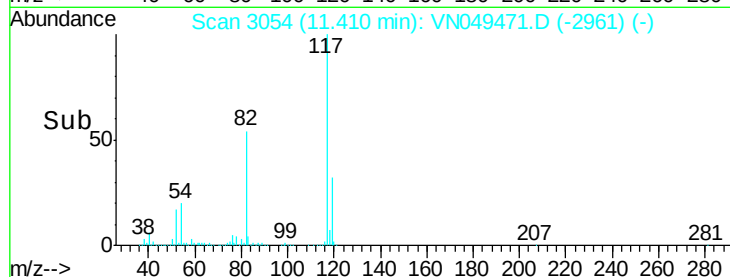
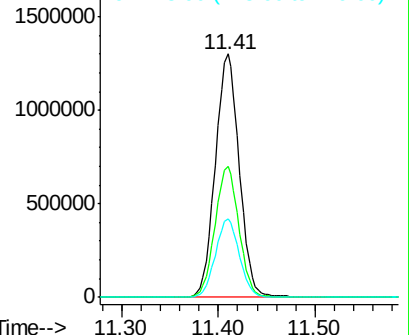
119 32.2 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#71

Bromoform

Concen: 0.440 ug/l

RT: 12.41 min Scan# 3364

Delta R.T. 0.28 min

Lab File: VN049471.D

Acq: 21 Jun 2018 16:36

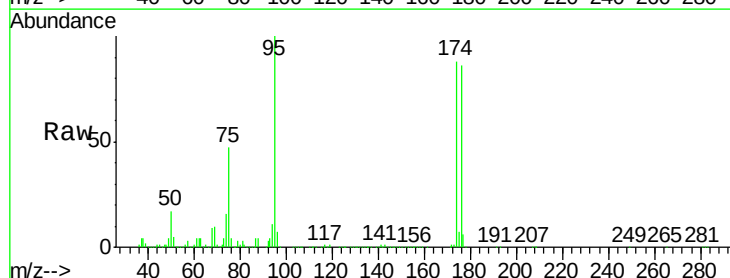
Tgt Ion:173 Resp: 6164

Ion Ratio Lower Upper

173 100

175 986.6 24.5 73.5#

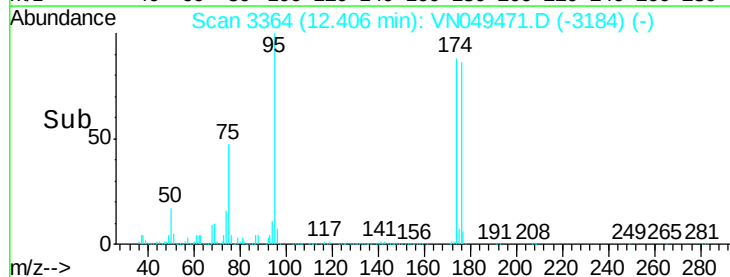
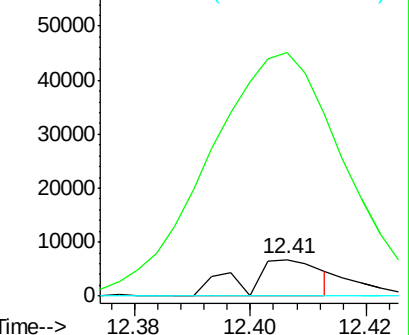
254 0.0 0.1 0.1#

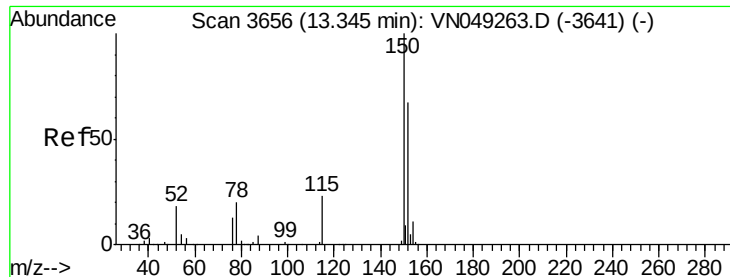


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. -0.00 min

Lab File: VN049471.D

Acq: 21 Jun 2018 16:36

Instrument :

MSVOA_N

ClientSampled :

TP-12

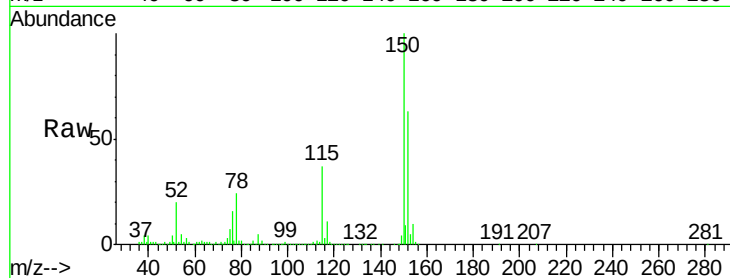
Tgt Ion:152 Resp: 891835

Ion Ratio Lower Upper

152 100

115 58.3 28.7 86.1

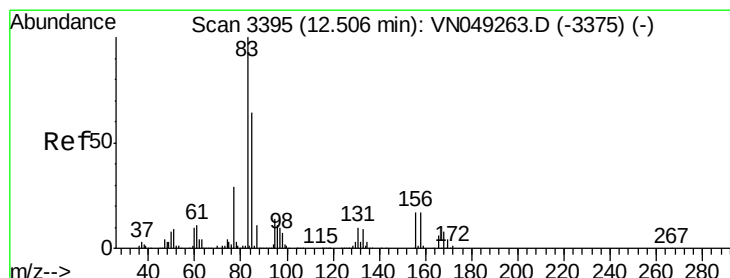
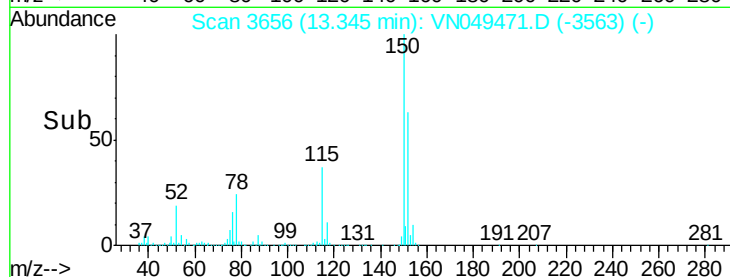
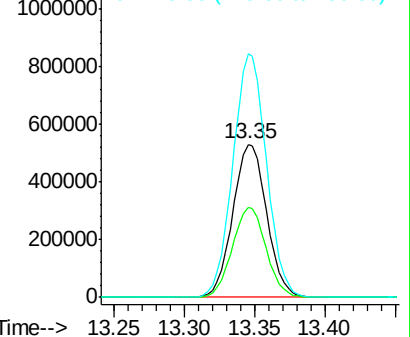
150 158.0 0.0 351.0



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



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.51 min Scan# 3396

Delta R.T. 0.00 min

Lab File: VN049471.D

Acq: 21 Jun 2018 16:36

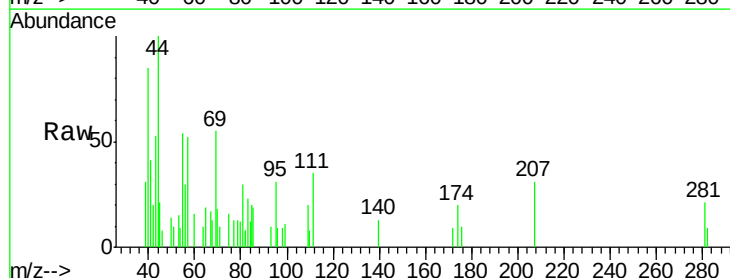
Tgt Ion: 83 Resp: 357

Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

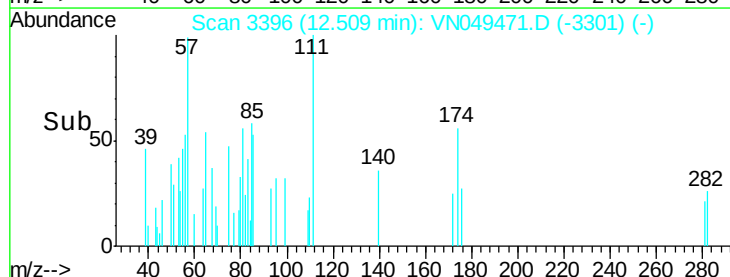
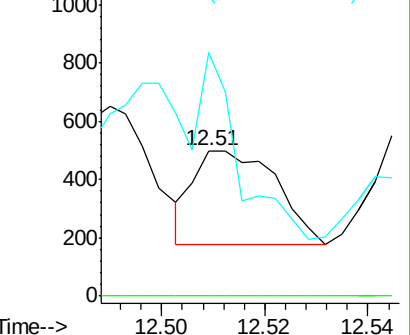
85 285.7 32.0 96.0#

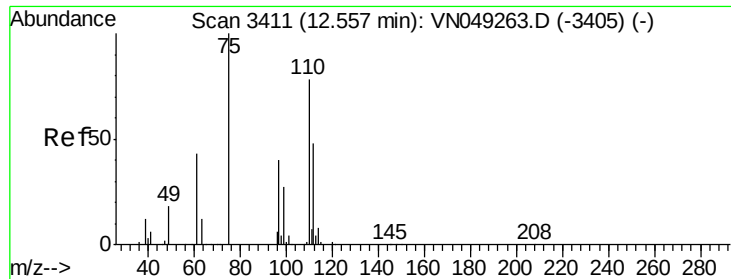


Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VNO

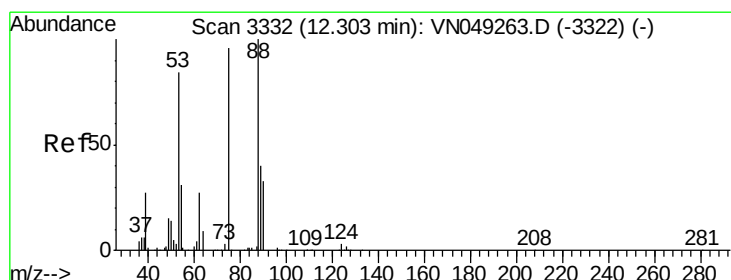
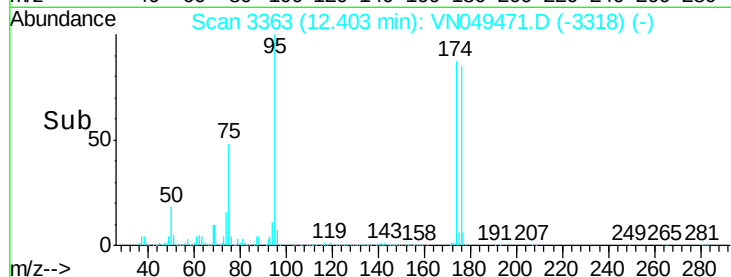
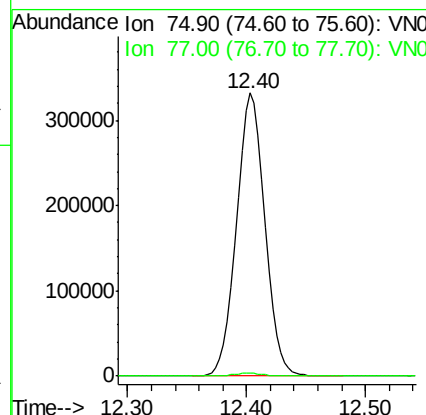
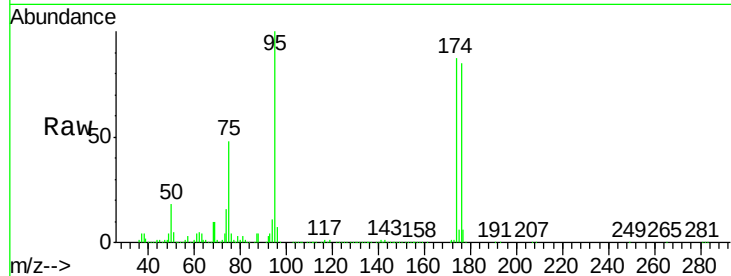




#76
 1,2,3-Trichloropropane
 Concen: 35.976 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. -0.15 min
 Lab File: VN049471.D
 Acq: 21 Jun 2018 16:36

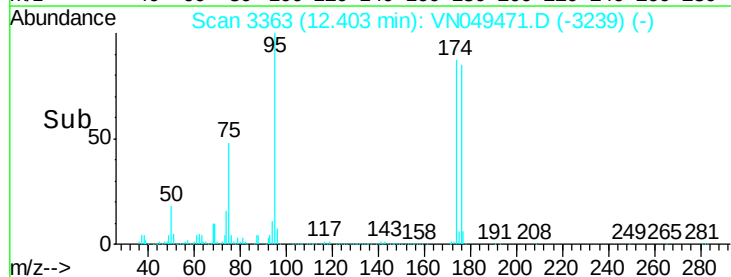
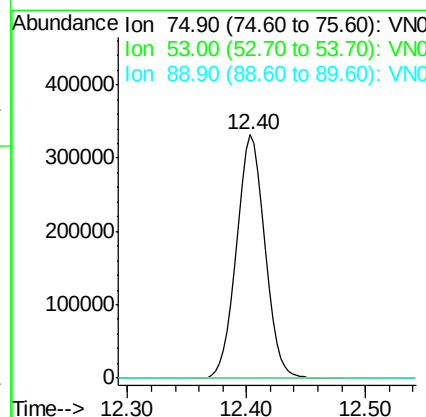
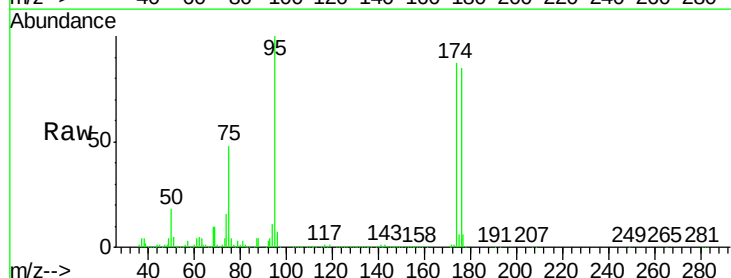
Instrument :
 MSVOA_N
 ClientSampled :
 TP-12

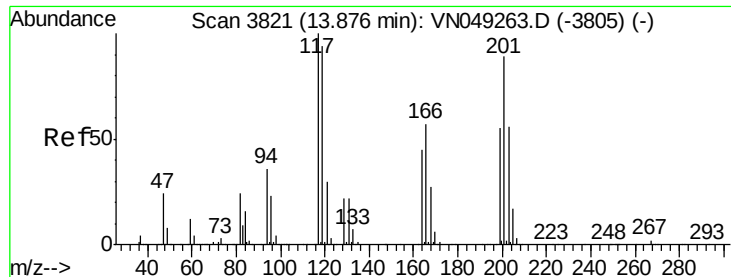
Tgt Ion: 75 Resp: 547442
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 113.703 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.10 min
 Lab File: VN049471.D
 Acq: 21 Jun 2018 16:36

Tgt Ion: 75 Resp: 547442
 Ion Ratio Lower Upper
 75 100
 53 0.2 82.7 124.1#
 89 0.0 36.5 54.7#





#90

Hexachloroethane

Concen: Below Cal

RT: 13.89 min Scan# 3825

Delta R.T. 0.01 min

Lab File: VN049471.D

Acq: 21 Jun 2018 16:36

Instrument :

MSVOA_N

ClientSampled :

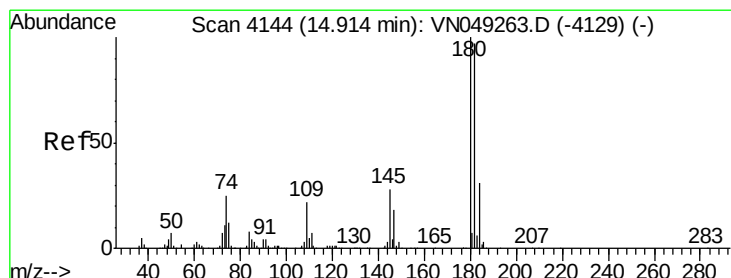
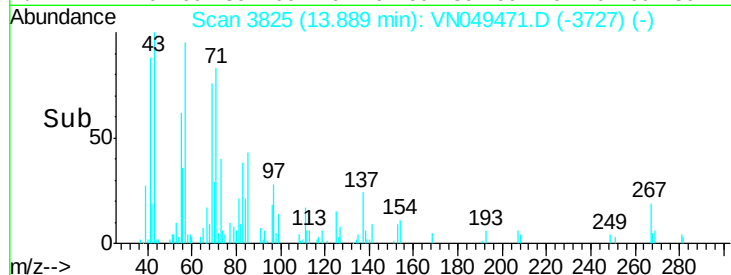
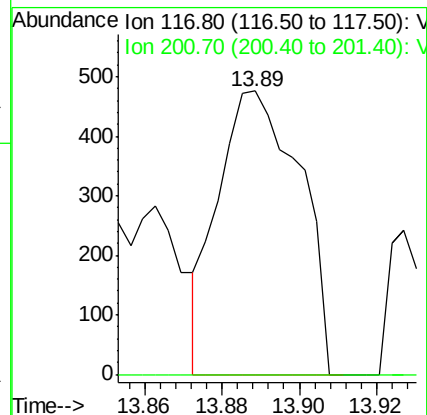
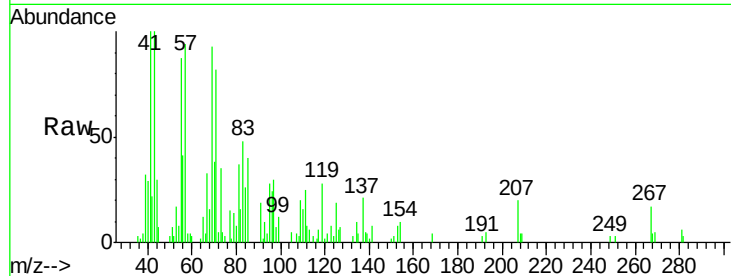
TP-12

Tgt Ion:117 Resp: 701

Ion Ratio Lower Upper

117 100

201 0.0 40.1 120.2#



#93

1,2,4-Trichlorobenzene

Concen: 4.762 ug/l

RT: 14.74 min Scan# 4091

Delta R.T. -0.17 min

Lab File: VN049471.D

Acq: 21 Jun 2018 16:36

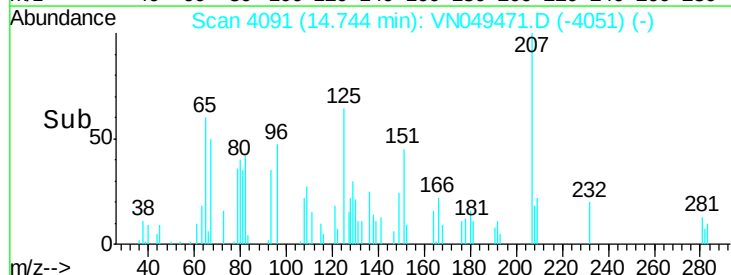
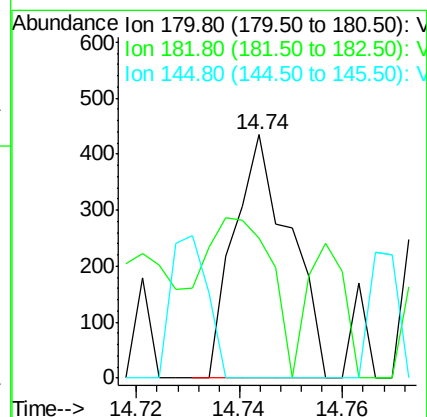
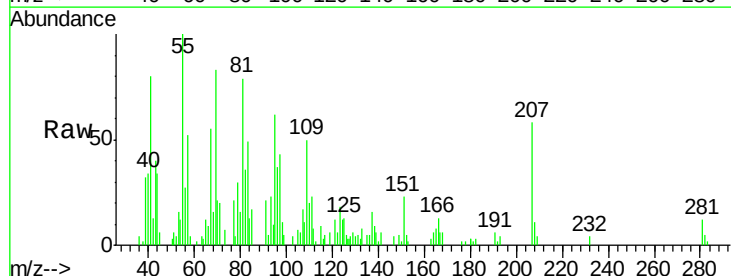
Tgt Ion:180 Resp: 325

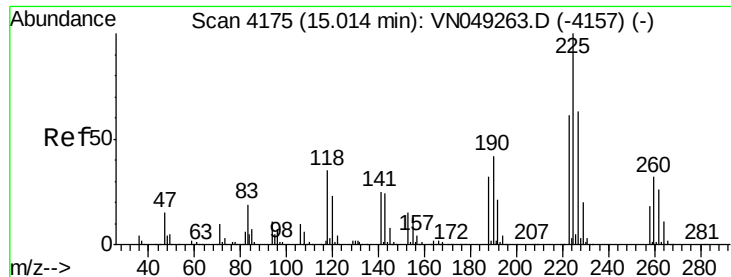
Ion Ratio Lower Upper

180 100

182 84.0 46.9 140.8

145 38.2 14.7 44.1





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.00 min Scan# 4171

Delta R.T. -0.01 min

Lab File: VN049471.D

Acq: 21 Jun 2018 16:36

Instrument :

MSVOA_N

ClientSampled :

TP-12

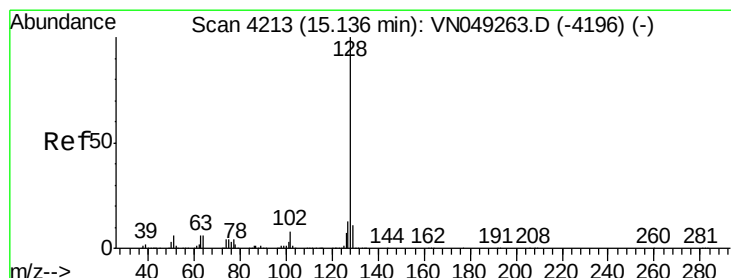
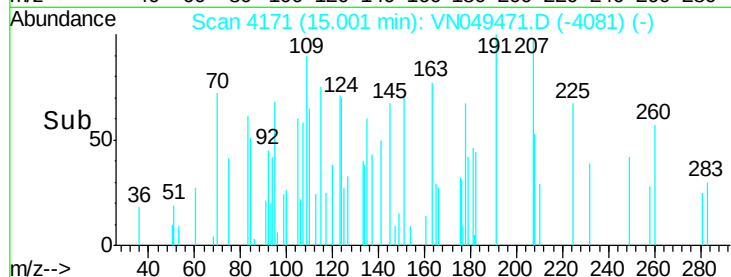
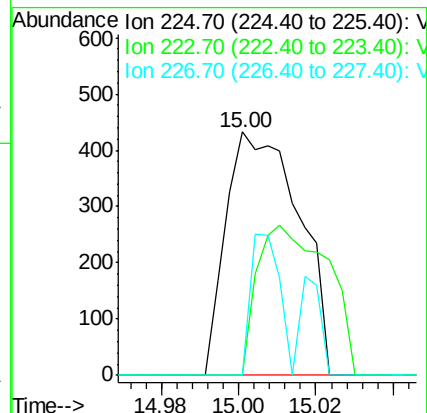
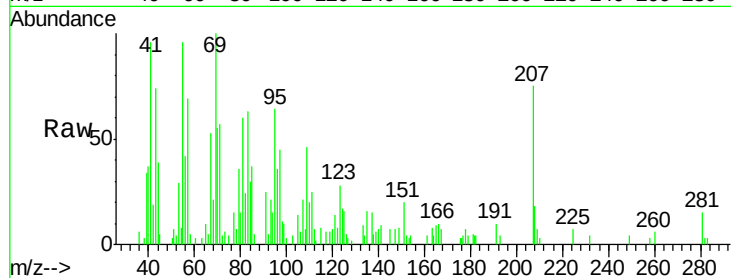
Tgt Ion:225 Resp: 568

Ion Ratio Lower Upper

225 100

223 0.0 32.1 96.3#

227 22.9 31.8 95.3#



#95

Naphthalene

Concen: 2.320 ug/l

RT: 15.14 min Scan# 4214

Delta R.T. 0.00 min

Lab File: VN049471.D

Acq: 21 Jun 2018 16:36

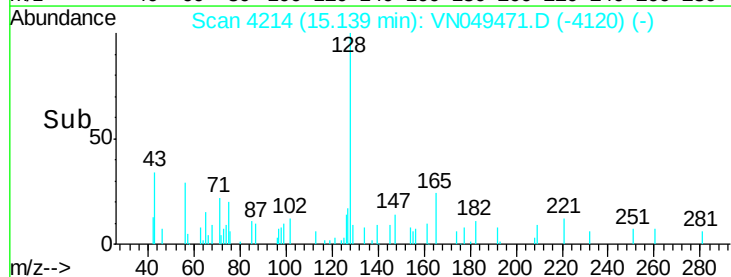
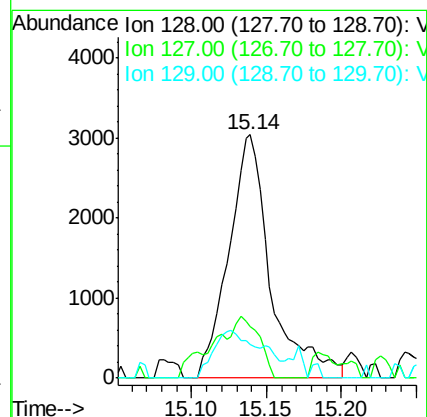
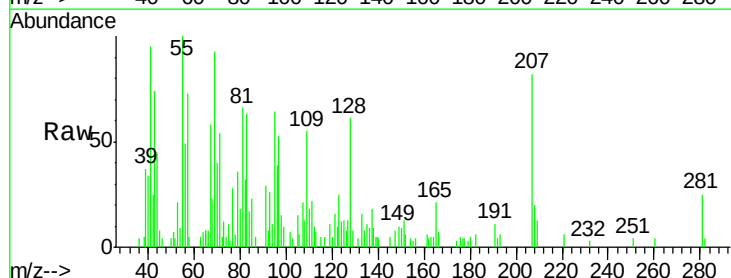
Tgt Ion:128 Resp: 5939

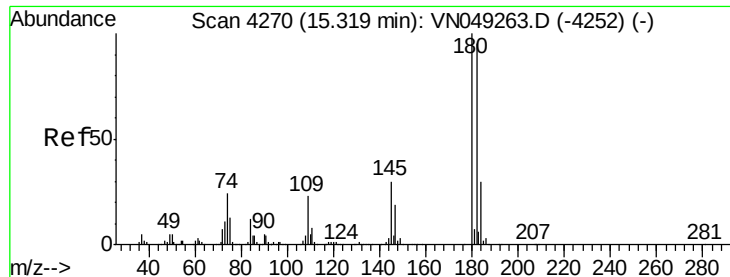
Ion Ratio Lower Upper

128 100

127 28.0 10.6 16.0#

129 22.7 8.5 12.7#

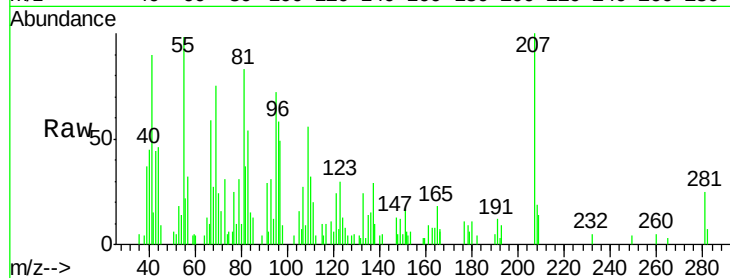




#96
 1,2,3-Trichlorobenzene
 Concen: 3.471 ug/l
 RT: 15.28 min Scan# 4259
 Delta R.T. -0.04 min
 Lab File: VN049471.D
 Acq: 21 Jun 2018 16:36

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-12

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.0	47.3	141.8
145	29.7	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

