

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061618\
 Data File : VN049324.D
 Acq On : 16 Jun 2018 21:37
 Operator : MD\SY
 Sample : J3562-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 18 03:23:24 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	1576193	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2504173	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2096430	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	666607	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	1032171	49.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.74%	
35) Dibromofluoromethane	7.59	113	939451	46.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.74%	
50) Toluene-d8	10.09	98	3469355	44.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.94%	
62) 4-Bromofluorobenzene	12.40	95	941507	36.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	73.82%	

Target Compounds

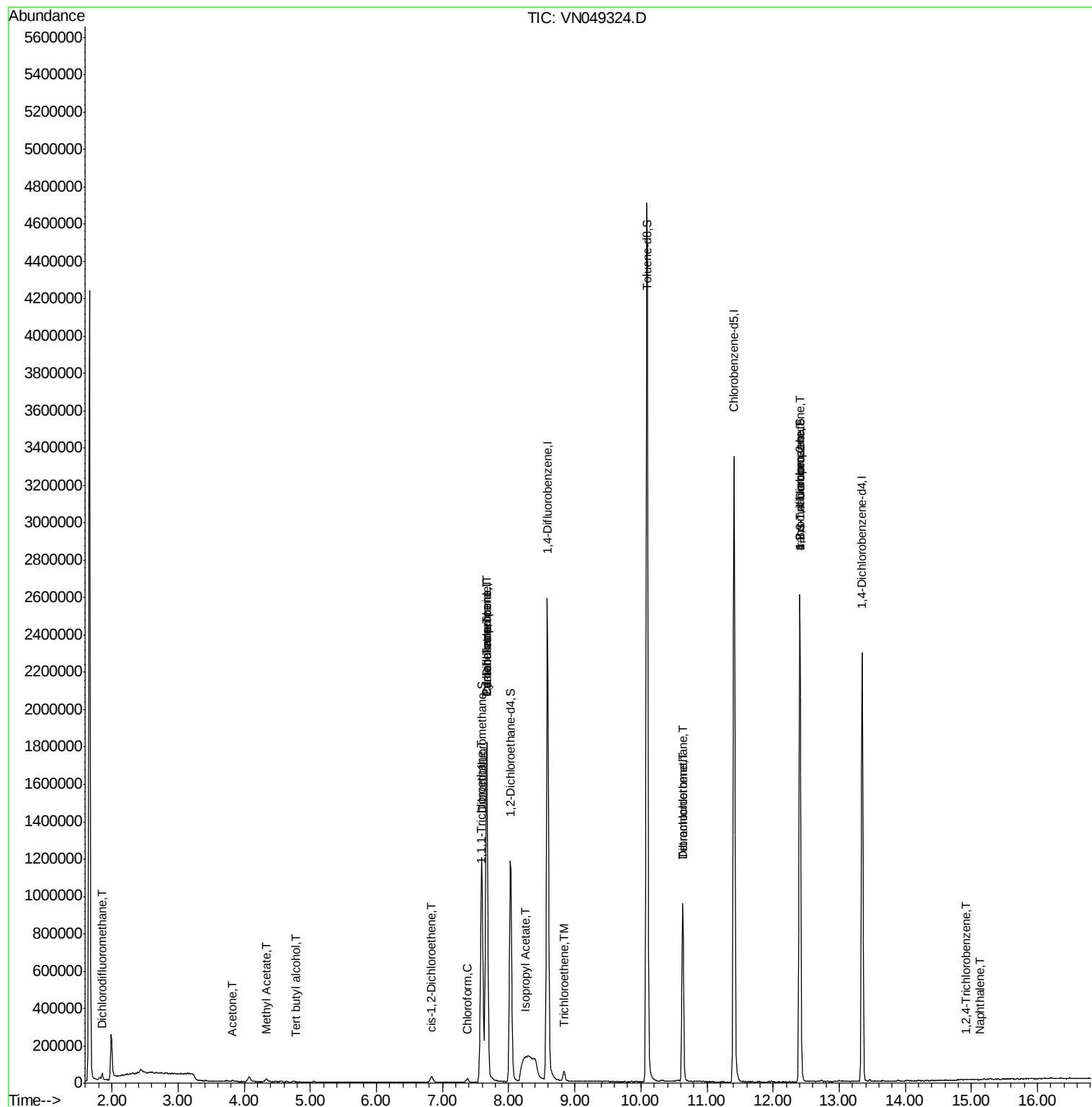
						Qvalue
2) Dichlorodifluoromethane	1.85	85	24935	1.37	ug/l	100
11) Tert butyl alcohol	4.79	59	257	0.21	ug/l #	70
16) Acetone	3.83	43	8015	1.58	ug/l #	82
18) Methyl Acetate	4.33	43	33288	2.15	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	13706	0.64	ug/l	82
30) Chloroform	7.37	83	18241	0.50	ug/l	92
31) Cyclohexane	7.67	56	27778	0.72	ug/l #	1
32) 1,1,1-Trichloroethane	7.57	97	14759	0.48	ug/l #	52
36) 1,1-Dichloropropene	7.67	75	109211	3.81	ug/l #	51
38) Carbon Tetrachloride	7.67	117	140701	4.74	ug/l #	16
43) Isopropyl Acetate	8.27	43	230250	7.72	ug/l #	64
44) Trichloroethene	8.84	130	20421	0.88	ug/l	94
60) Dibromochloromethane	10.63	129	200417	9.33	ug/l #	10
64) Tetrachloroethene	10.63	164	239820	11.16	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.48	83	76	Below	Cal #	26
76) 1,2,3-Trichloropropane	12.40	75	454174	39.93	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	454174	126.20	ug/l #	9
90) Hexachloroethane	13.89	117	30	Below	Cal #	9
93) 1,2,4-Trichlorobenzene	14.92	180	169	4.76	ug/l #	73
95) Naphthalene	15.14	128	756	2.12	ug/l #	69

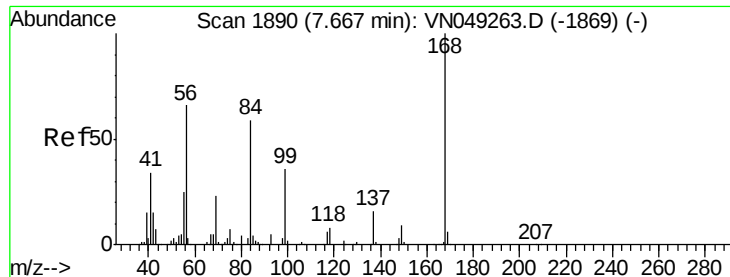
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049324.D

Acq: 16 Jun 2018 21:37

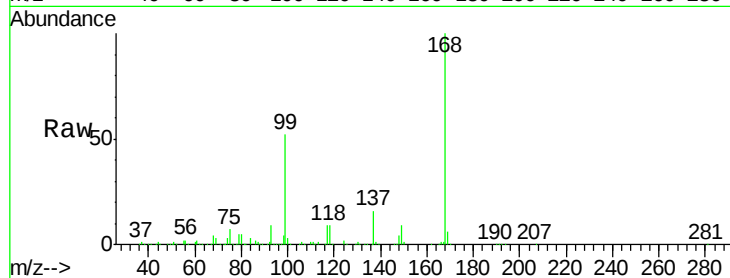
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 1576193

Ion Ratio Lower Upper

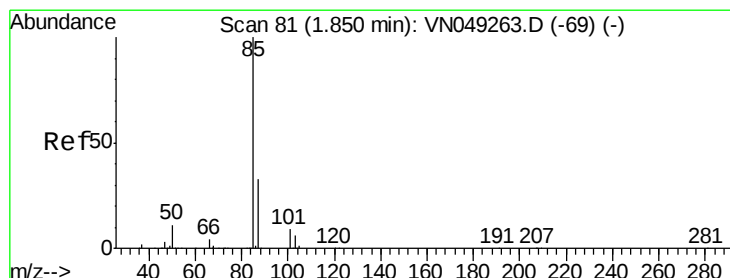
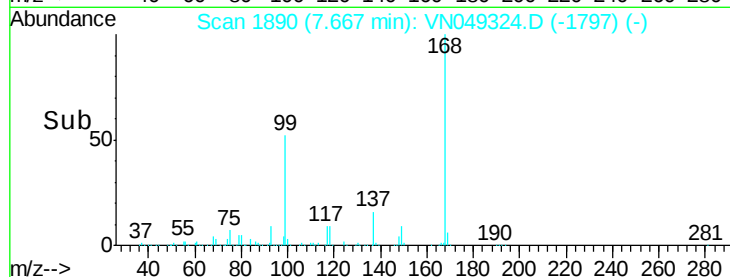
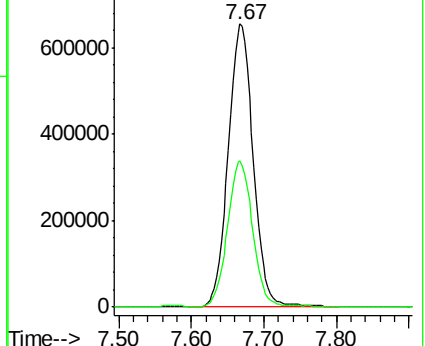
168 100

99 51.6 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 1.37 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN049324.D

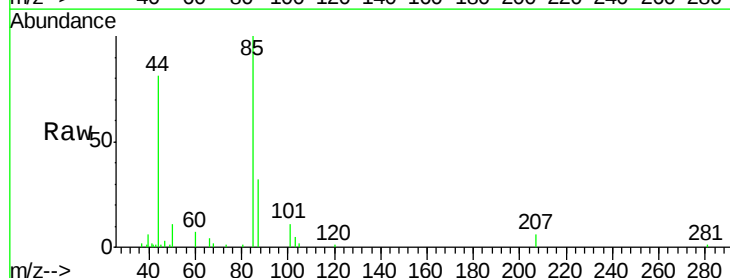
Acq: 16 Jun 2018 21:37

Tgt Ion: 85 Resp: 24935

Ion Ratio Lower Upper

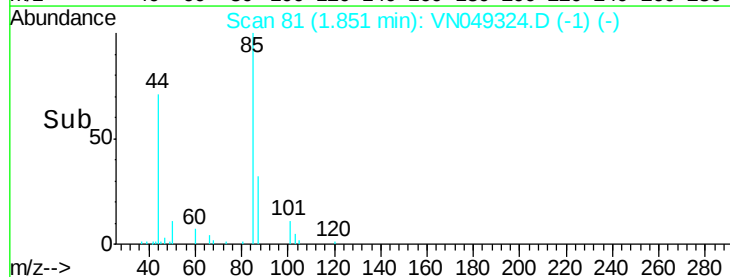
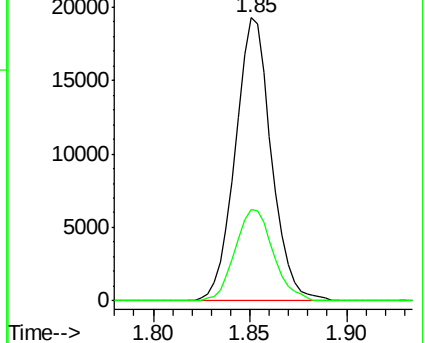
85 100

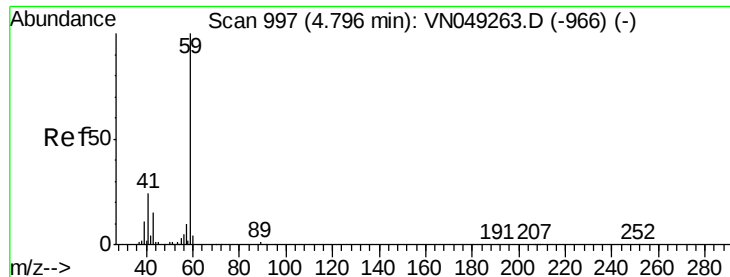
87 32.2 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

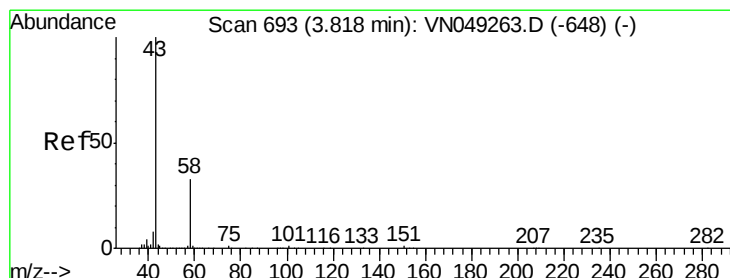
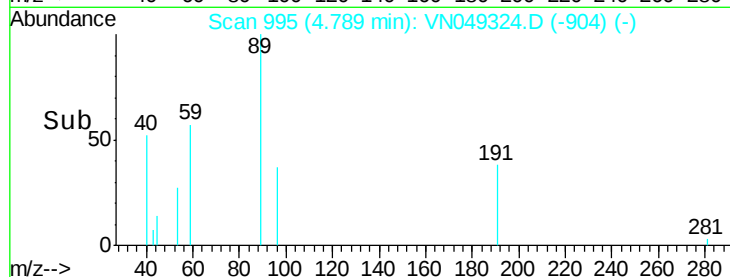
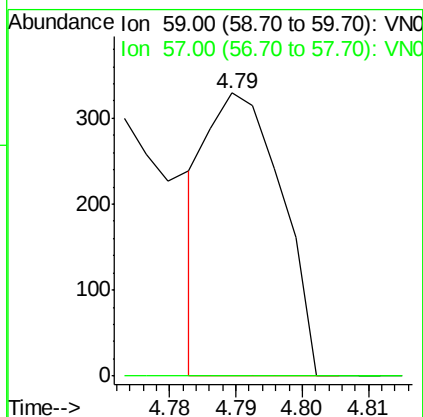
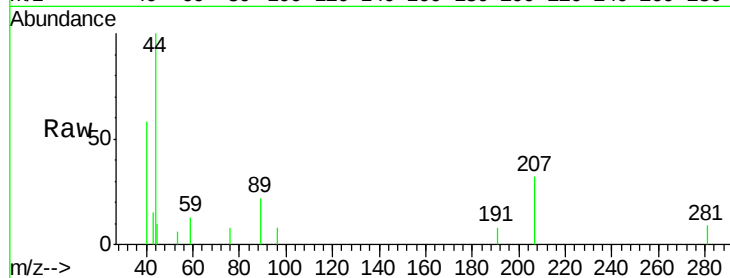




#11
Tert butyl alcohol
Concen: 0.21 ug/l
RT: 4.79 min Scan# 995
Delta R.T. -0.01 min
Lab File: VN049324.D
Acq: 16 Jun 2018 21:37

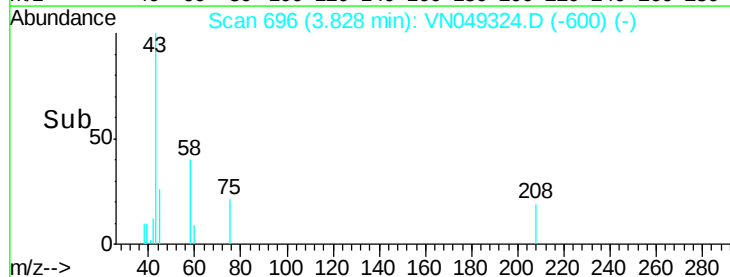
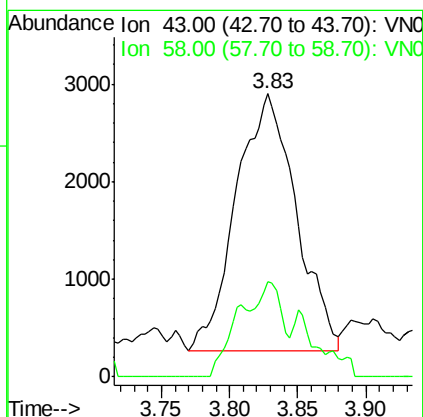
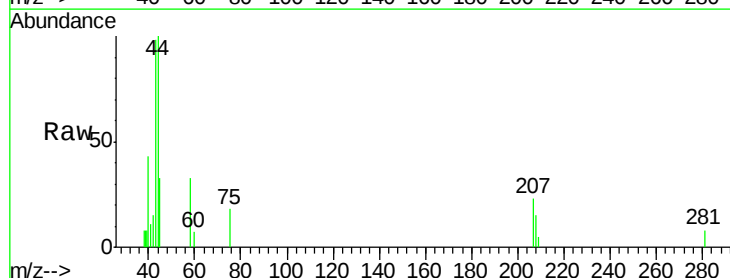
Instrument :
MSVOA_N
ClientSampled :

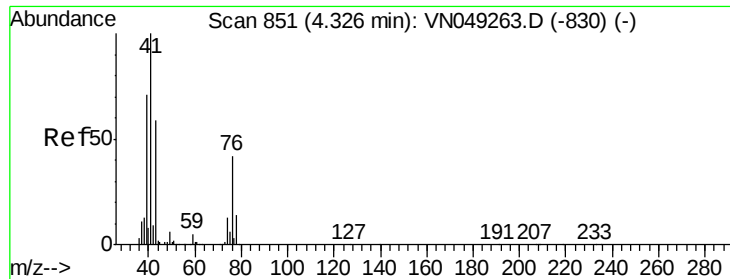
Tot Ion: 59 Resp: 257
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.6#



#16
Acetone
Concen: 1.58 ug/l
RT: 3.83 min Scan# 696
Delta R.T. 0.01 min
Lab File: VN049324.D
Acq: 16 Jun 2018 21:37

Tgt Ion: 43 Resp: 8015
Ion Ratio Lower Upper
43 100
58 37.3 22.4 33.6#

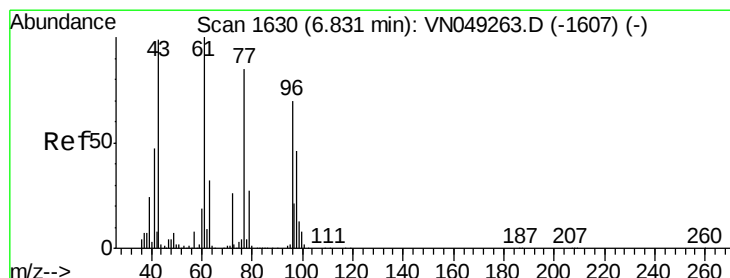
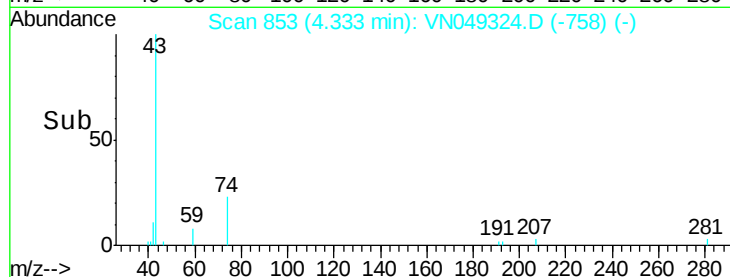
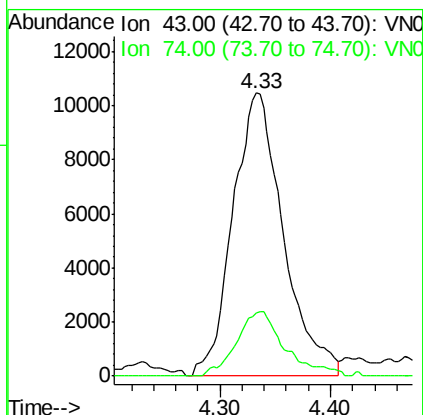
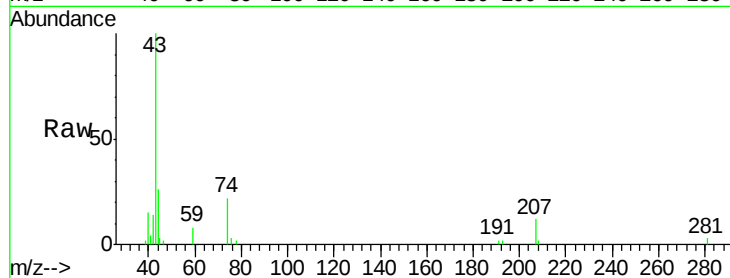




#18
Methvl Acetate
Concen: 2.15 ug/l
RT: 4.33 min Scan# 853
Delta R.T. 0.01 min
Lab File: VN049324.D
Acq: 16 Jun 2018 21:37

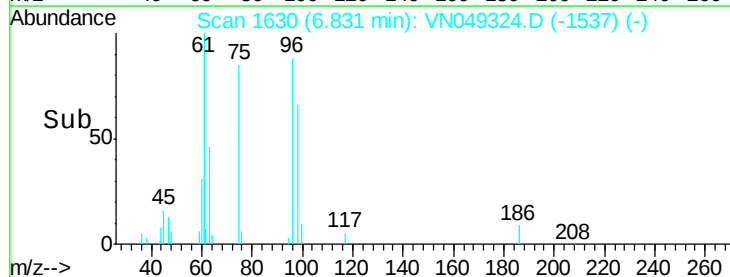
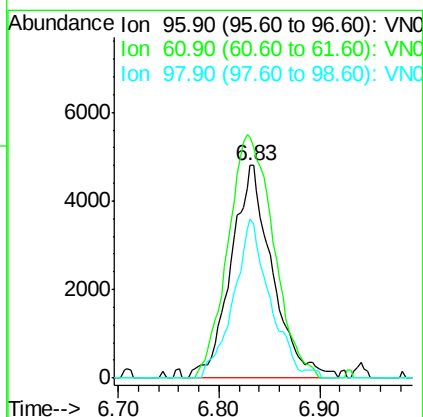
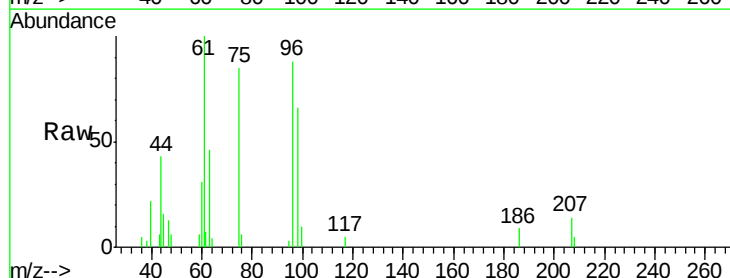
Instrument :
MSVOA_N
ClientSampled :

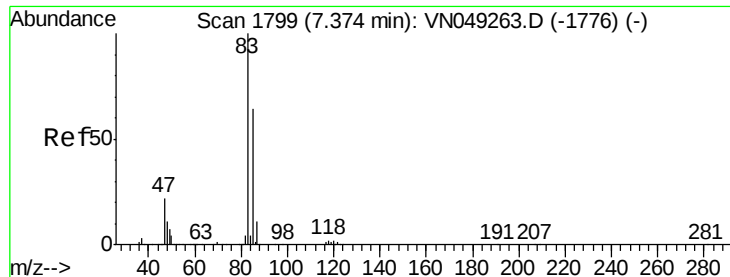
Tot Ion: 43 Resp: 33288
Ion Ratio Lower Upper
43 100
74 21.9 17.4 26.0



#27
cis-1,2-Dichloroethene
Concen: 0.64 ug/l
RT: 6.83 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VN049324.D
Acq: 16 Jun 2018 21:37

Tgt Ion: 96 Resp: 13706
Ion Ratio Lower Upper
96 100
61 125.9 0.0 316.4
98 64.9 0.0 128.4

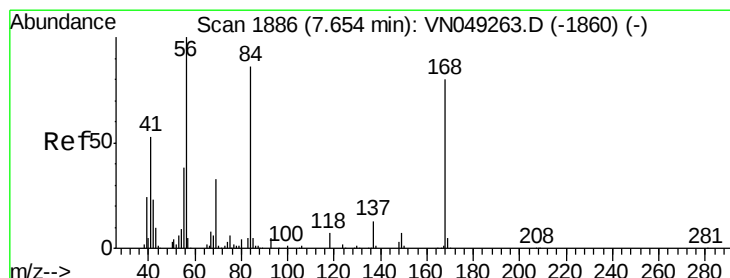
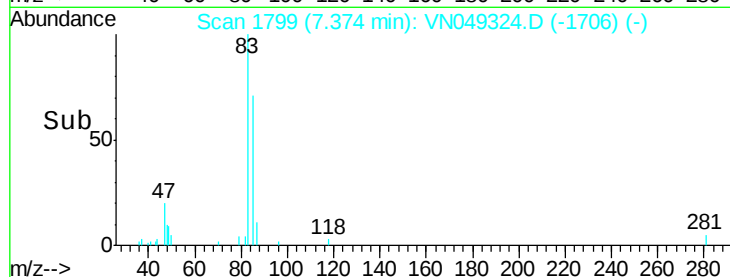
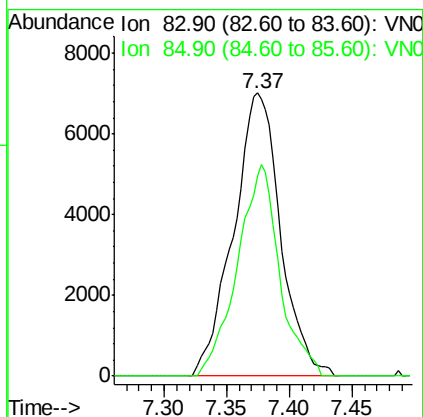
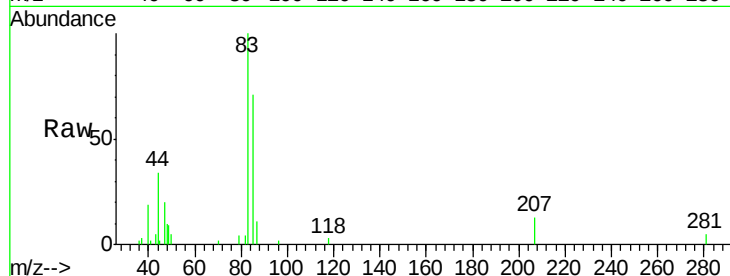




#30
Chloroform
Concen: 0.50 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN049324.D
Acq: 16 Jun 2018 21:37

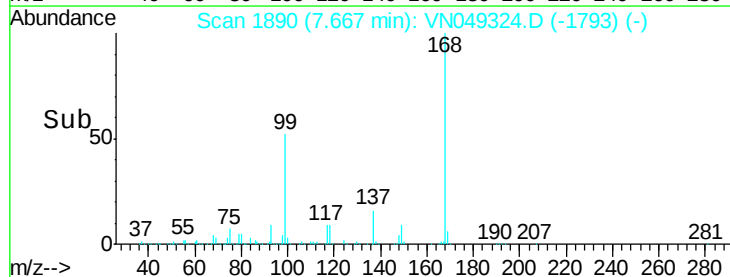
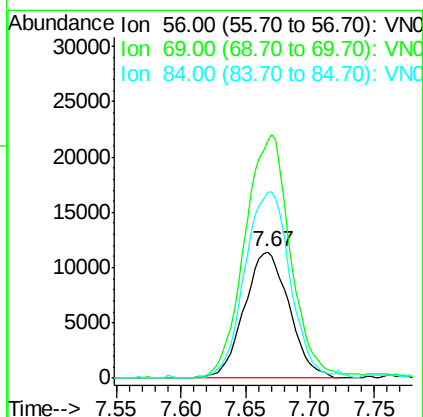
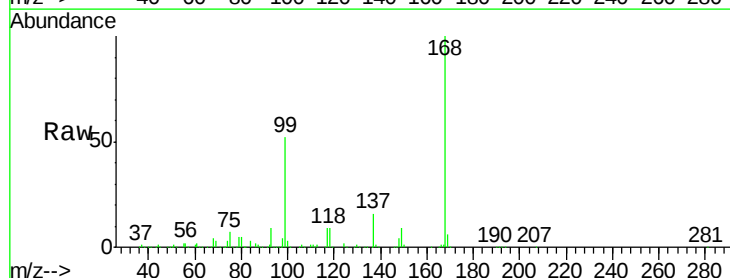
Instrument :
MSVOA_N
ClientSampleId :

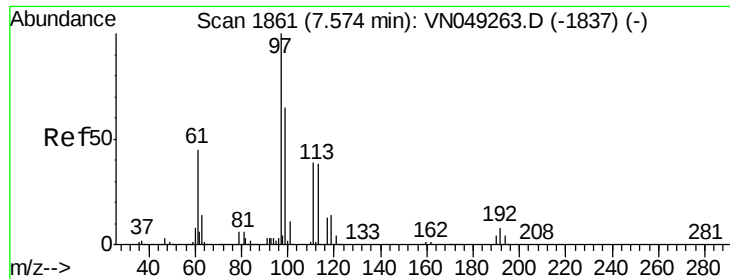
Tot Ion: 83 Resp: 18241
Ion Ratio Lower Upper
83 100
85 70.8 51.7 77.5



#31
Cyclohexane
Concen: 0.72 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. 0.01 min
Lab File: VN049324.D
Acq: 16 Jun 2018 21:37

Tgt Ion: 56 Resp: 27778
Ion Ratio Lower Upper
56 100
69 187.8 25.0 37.4#
84 147.4 64.6 96.8#





#32

1,1,1-Trichloroethane

Concen: 0.48 ug/l

RT: 7.57 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VN049324.D

Acq: 16 Jun 2018 21:37

Instrument :

MSVOA_N

ClientSampleId :

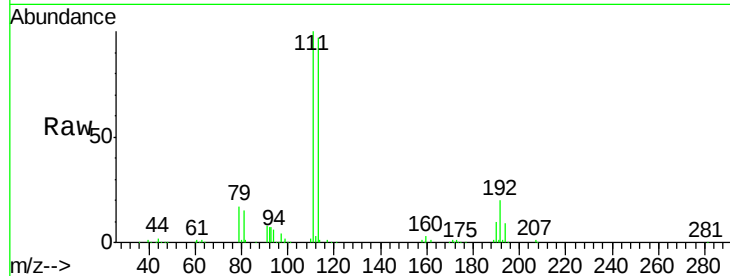
Tot Ion: 97 Resp: 14759

Ion Ratio Lower Upper

97 100

99 0.0 50.5 75.7#

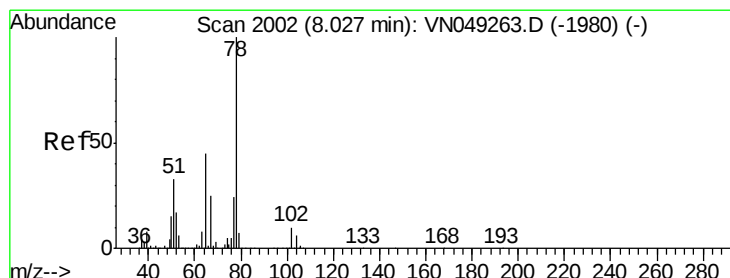
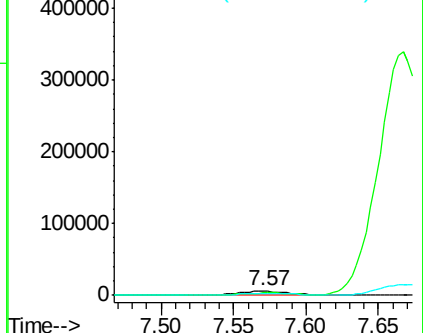
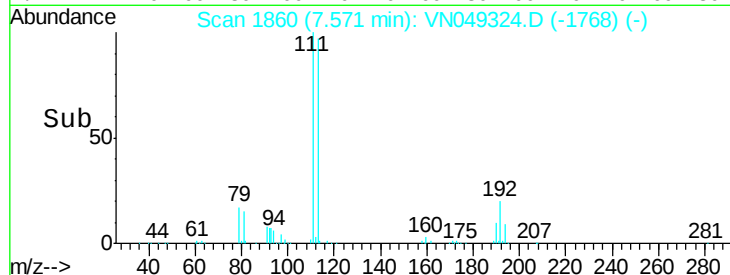
61 45.2 37.9 56.9



Abundance Ion 96.90 (96.60 to 97.60): VN049324.D (-1768) (-)

Ion 98.90 (98.60 to 99.60): VN049324.D (-1768) (-)

Ion 60.90 (60.60 to 61.60): VN049324.D (-1768) (-)



#33

1,2-Dichloroethane-d4

Concen: 49.37 ug/l

RT: 8.03 min Scan# 2002

Delta R.T. 0.00 min

Lab File: VN049324.D

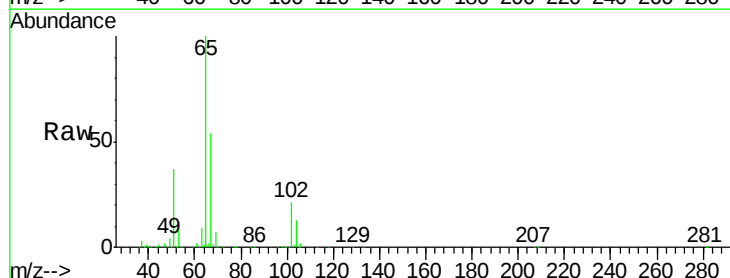
Acq: 16 Jun 2018 21:37

Tgt Ion: 65 Resp: 1032171

Ion Ratio Lower Upper

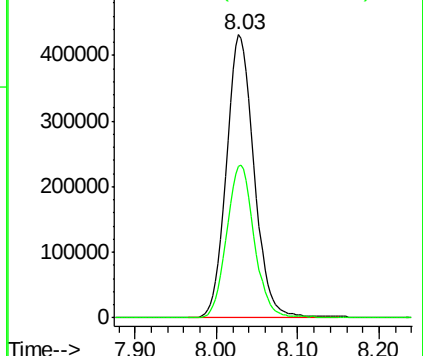
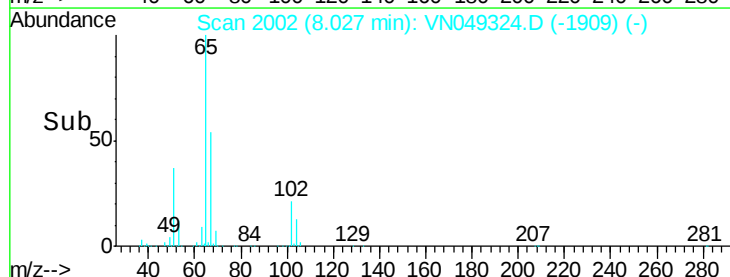
65 100

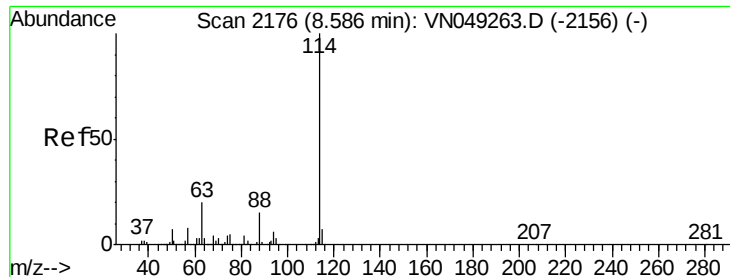
67 53.8 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VN049324.D (-1909) (-)

Ion 66.90 (66.60 to 67.60): VN049324.D (-1909) (-)

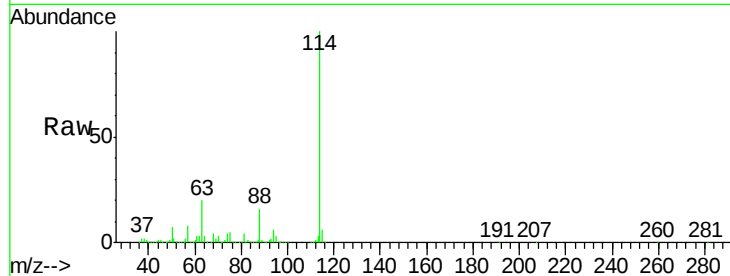




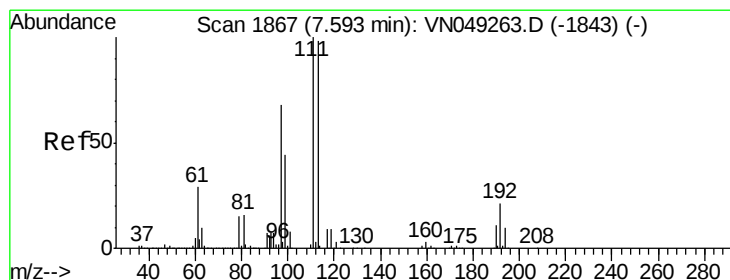
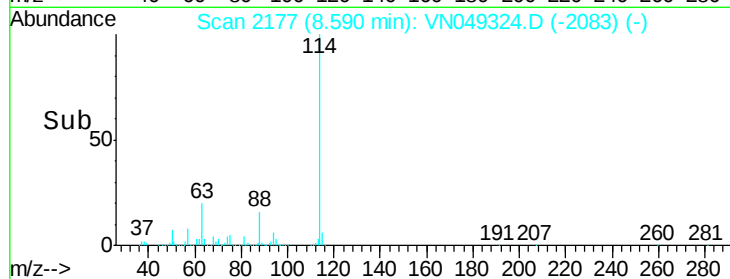
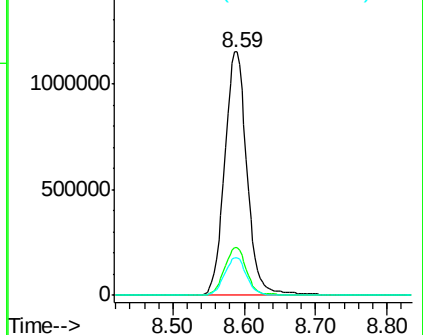
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN049324.D
 Acq: 16 Jun 2018 21:37

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:114 Resp: 2504173
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 44.4
 88 15.5 0.0 31.4

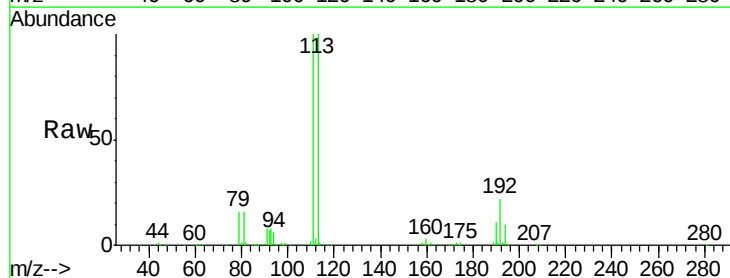


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

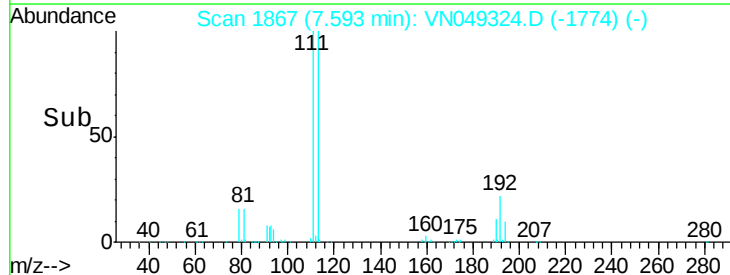
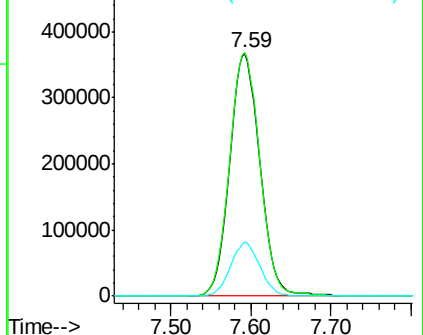


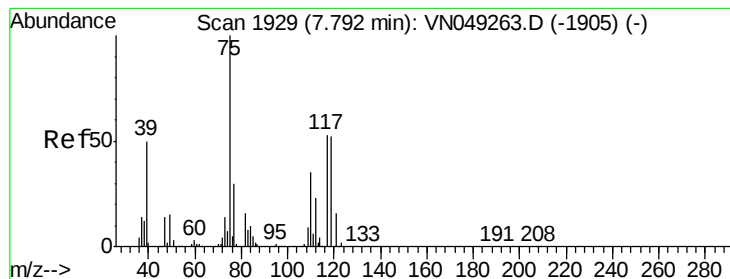
#35
 Dibromofluoromethane
 Concen: 46.37 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN049324.D
 Acq: 16 Jun 2018 21:37

Tgt Ion:113 Resp: 939451
 Ion Ratio Lower Upper
 113 100
 111 101.0 82.4 123.6
 192 21.6 15.0 22.6



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 3.81 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.13 min

Lab File: VN049324.D

Acq: 16 Jun 2018 21:37

Instrument :
MSVOA_N
ClientSampleId :

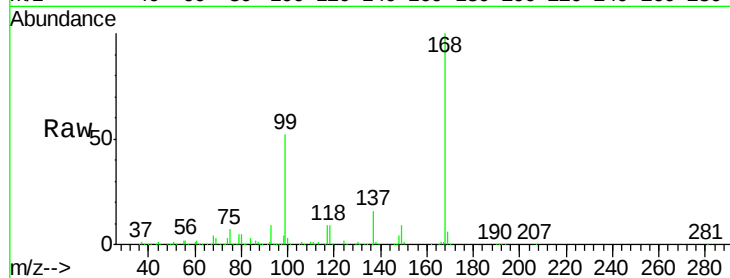
Tot Ion: 75 Resp: 109211

Ion Ratio Lower Upper

75 100

110 9.3 17.0 50.9#

77 0.1 24.4 36.6#

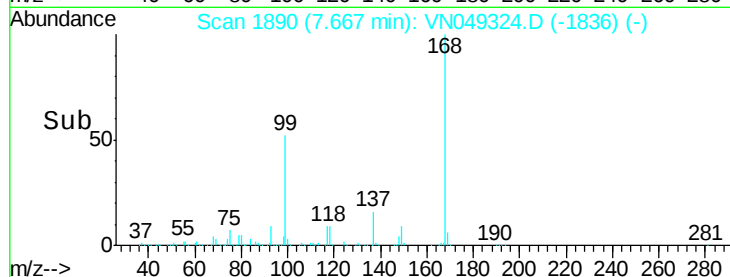


Abundance Ion 74.90 (74.60 to 75.60): VN049324.D (-1836) (-)

Ion 109.90 (109.60 to 110.60): VN049324.D (-1836) (-)

Ion 76.90 (76.60 to 77.60): VN049324.D (-1836) (-)

Time-->



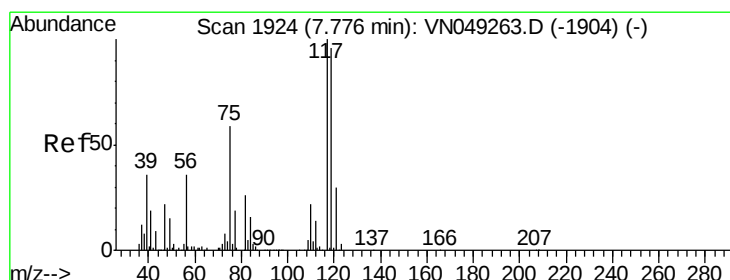
Abundance

Ion 74.90 (74.60 to 75.60): VN049324.D (-1836) (-)

Ion 109.90 (109.60 to 110.60): VN049324.D (-1836) (-)

Ion 76.90 (76.60 to 77.60): VN049324.D (-1836) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 4.74 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.11 min

Lab File: VN049324.D

Acq: 16 Jun 2018 21:37

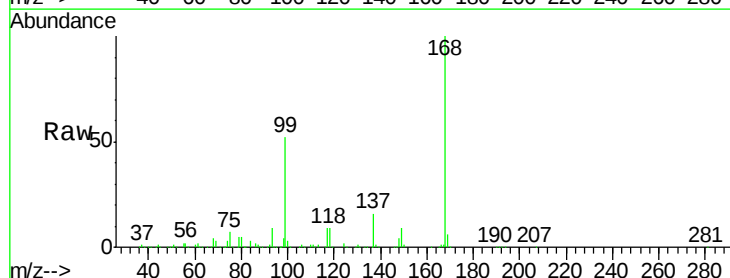
Tgt Ion: 117 Resp: 140701

Ion Ratio Lower Upper

117 100

119 4.5 75.6 113.4#

121 0.0 24.7 37.1#

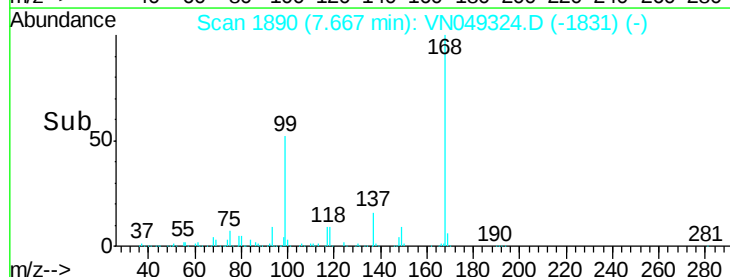


Abundance Ion 116.80 (116.50 to 117.50): VN049324.D (-1831) (-)

Ion 118.80 (118.50 to 119.50): VN049324.D (-1831) (-)

Ion 120.80 (120.50 to 121.50): VN049324.D (-1831) (-)

Time-->



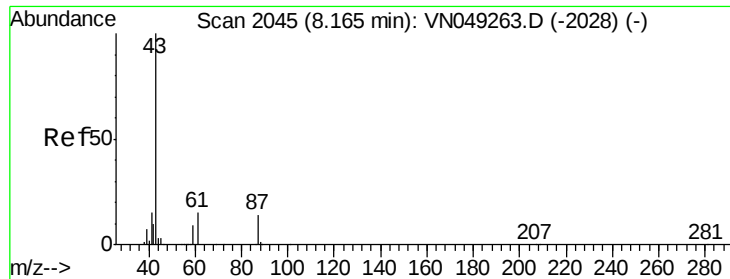
Abundance

Ion 116.80 (116.50 to 117.50): VN049324.D (-1831) (-)

Ion 118.80 (118.50 to 119.50): VN049324.D (-1831) (-)

Ion 120.80 (120.50 to 121.50): VN049324.D (-1831) (-)

Time-->



#43

Isopropyl Acetate

Concen: 7.72 ug/l

RT: 8.27 min Scan# 2076

Delta R.T. 0.10 min

Lab File: VN049324.D

Acq: 16 Jun 2018 21:37

Instrument :

MSVOA_N

ClientSampleId :

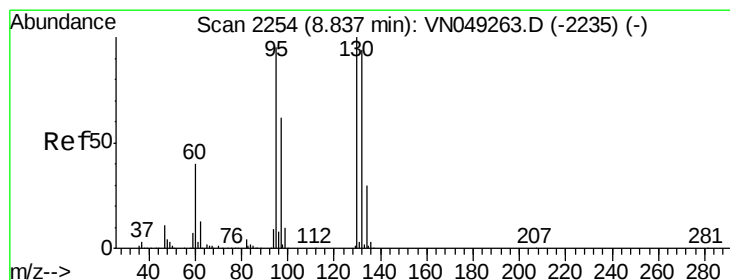
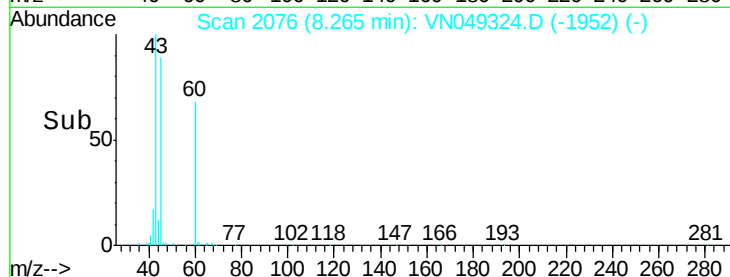
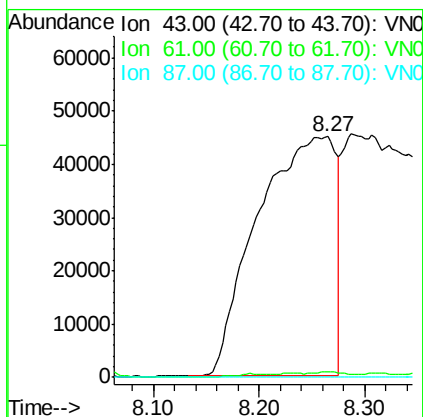
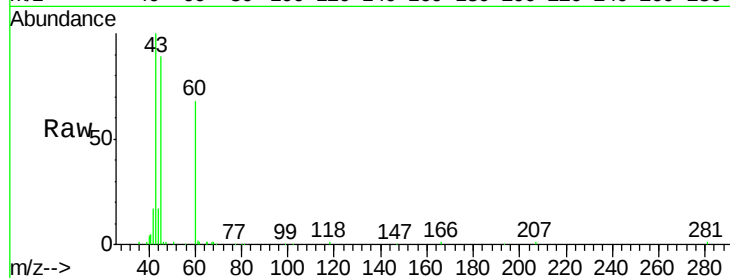
Tot Ion: 43 Resp: 230250

Ion Ratio Lower Upper

43 100

61 0.0 14.2 21.4#

87 0.0 9.4 14.0#



#44

Trichloroethene

Concen: 0.88 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN049324.D

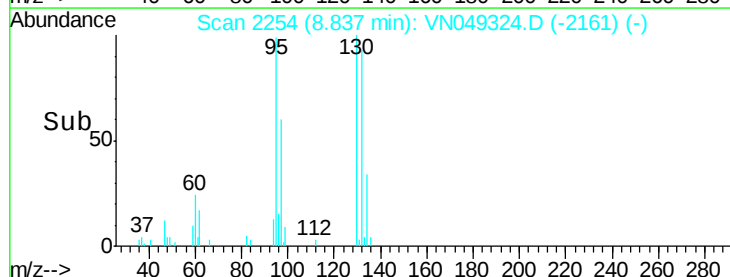
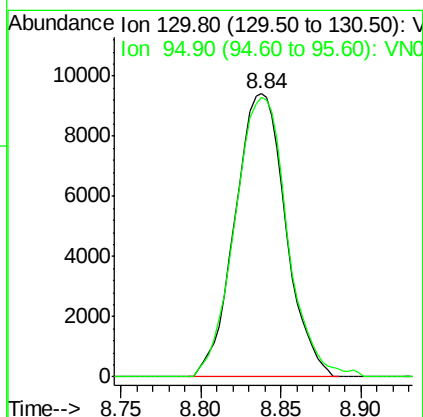
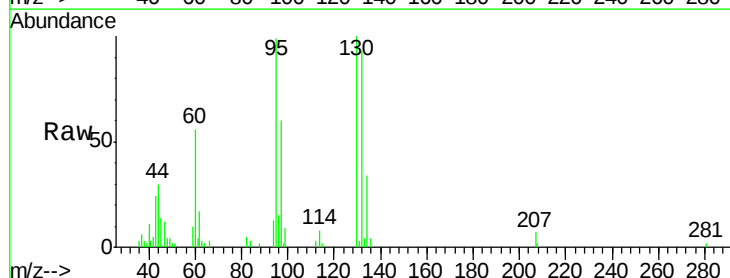
Acq: 16 Jun 2018 21:37

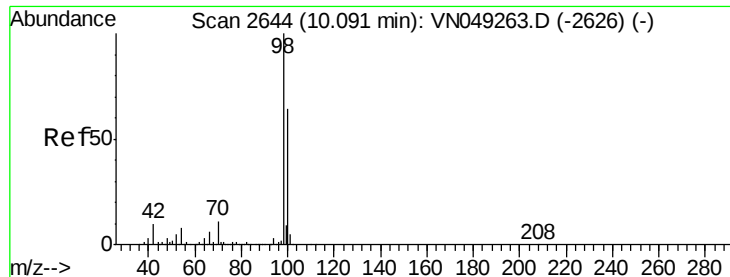
Tgt Ion: 130 Resp: 20421

Ion Ratio Lower Upper

130 100

95 98.6 0.0 208.6





#50

Toluene-d8

Concen: 44.97 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN049324.D

Acq: 16 Jun 2018 21:37

Instrument :

MSVOA_N

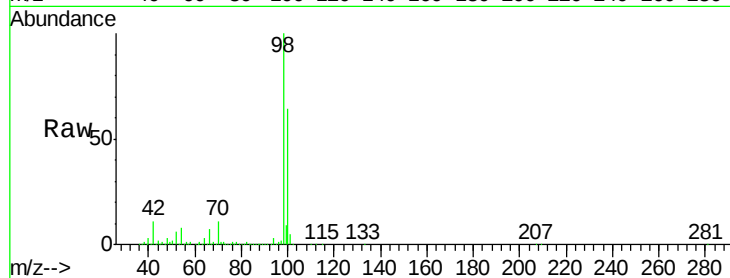
ClientSampleId :

Tot Ion: 98 Resp: 3469355

Ion Ratio Lower Upper

98 100

100 63.5 49.8 74.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

10.09

2000000

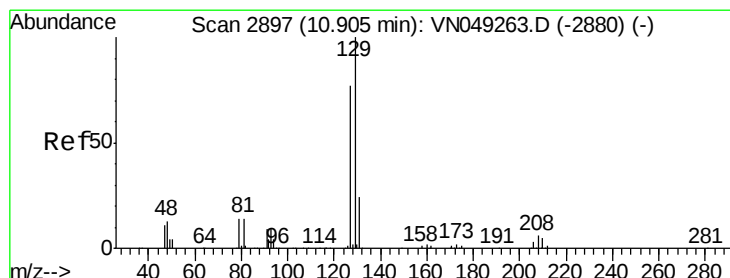
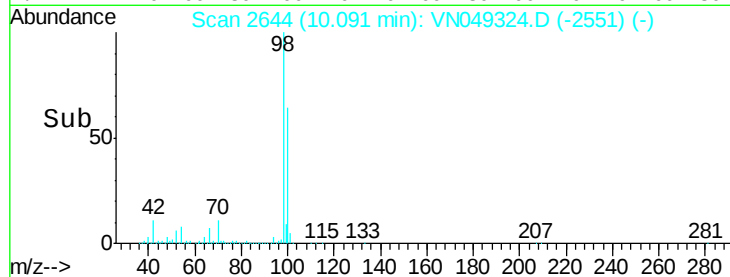
1500000

1000000

500000

0

Time-->



#60

Dibromochloromethane

Concen: 9.33 ug/l

RT: 10.63 min Scan# 2812

Delta R.T. -0.27 min

Lab File: VN049324.D

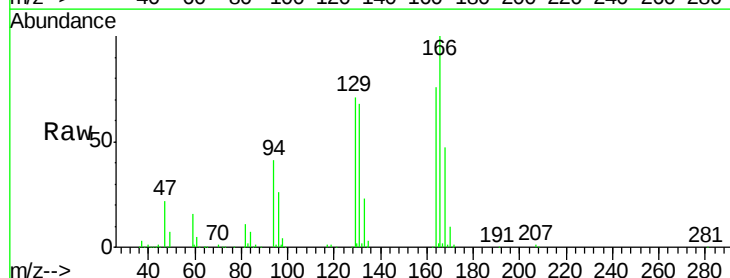
Acq: 16 Jun 2018 21:37

Tgt Ion: 129 Resp: 200417

Ion Ratio Lower Upper

129 100

127 0.0 39.1 117.2#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

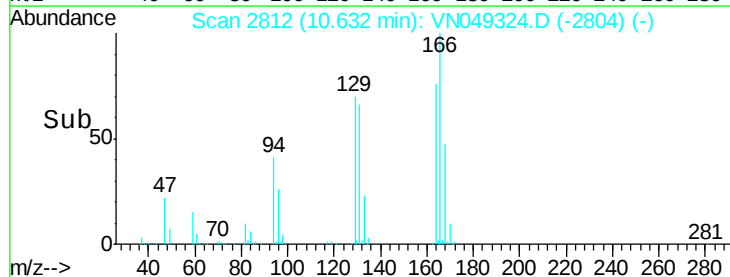
10.63

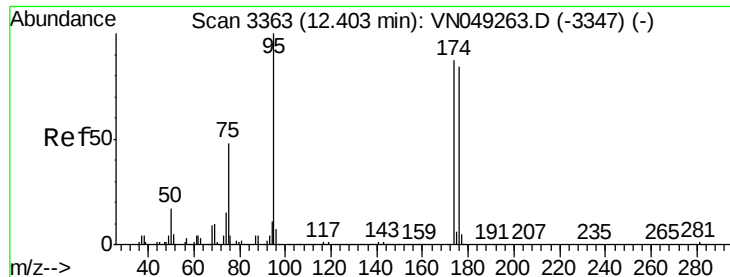
100000

50000

0

Time-->

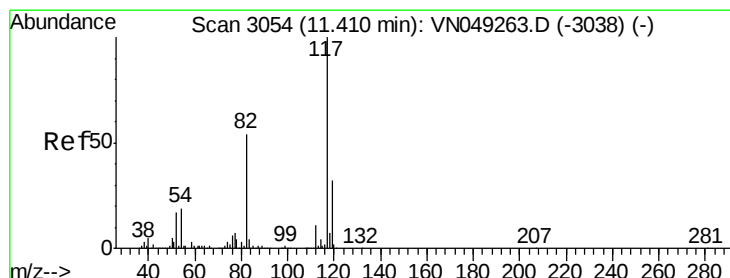
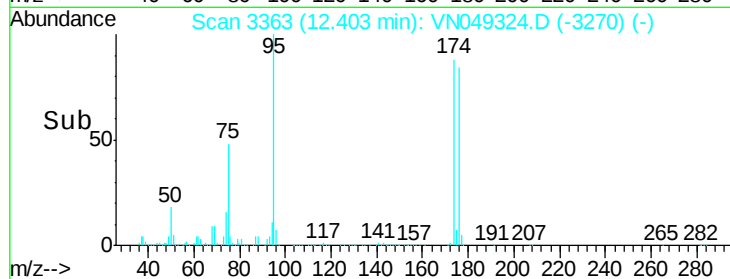
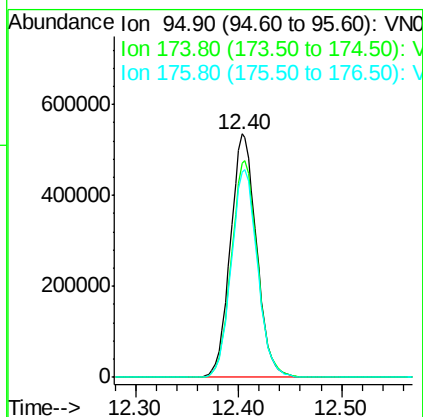
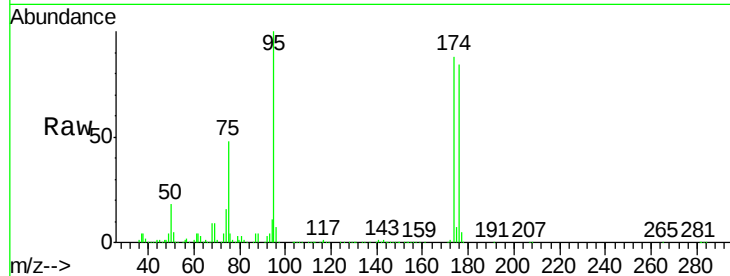




#62
4-Bromofluorobenzene
Concen: 36.91 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN049324.D
Acq: 16 Jun 2018 21:37

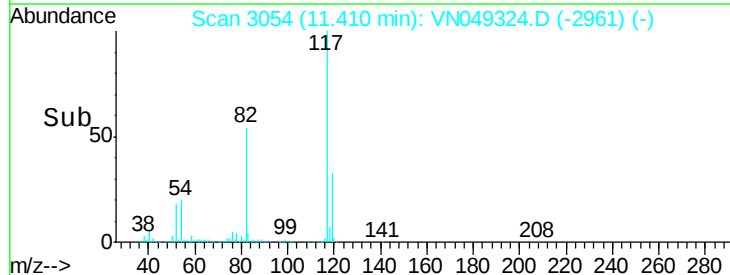
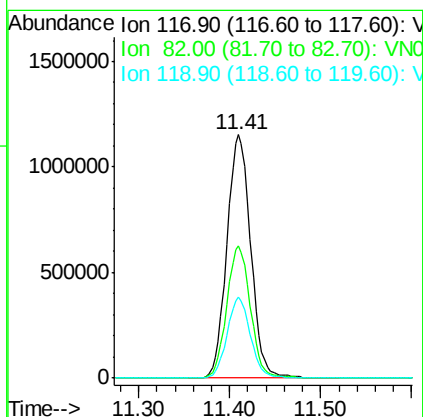
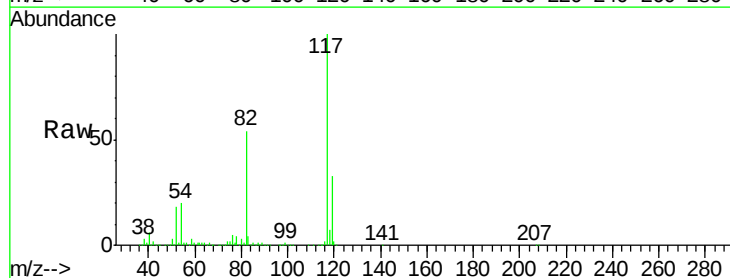
Instrument :
MSVOA_N
ClientSampleId :

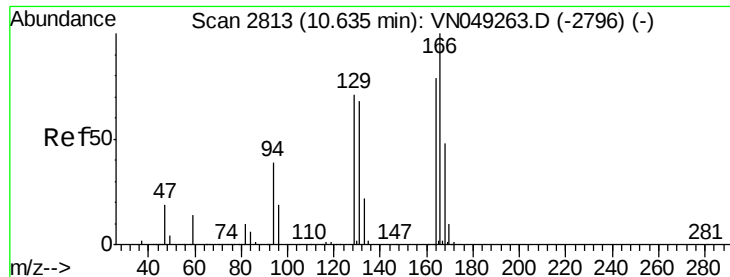
Tot Ion: 95 Resp: 941507
Ion Ratio Lower Upper
95 100
174 89.0 0.0 165.6
176 85.6 0.0 157.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049324.D
Acq: 16 Jun 2018 21:37

Tgt Ion: 117 Resp: 2096430
Ion Ratio Lower Upper
117 100
82 54.3 45.9 68.9
119 33.1 25.5 38.3

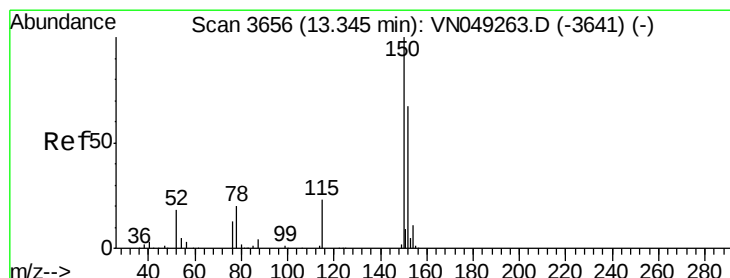
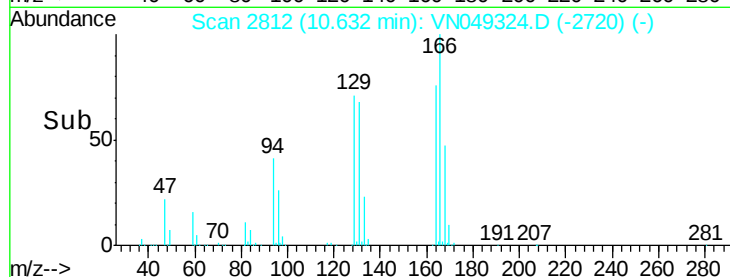
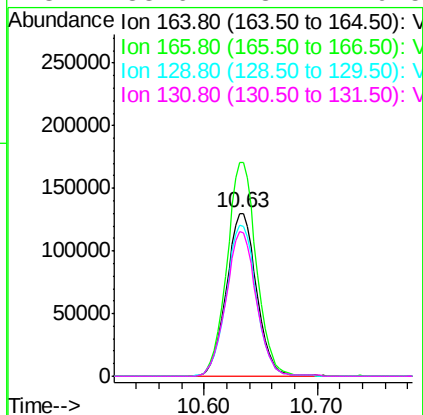
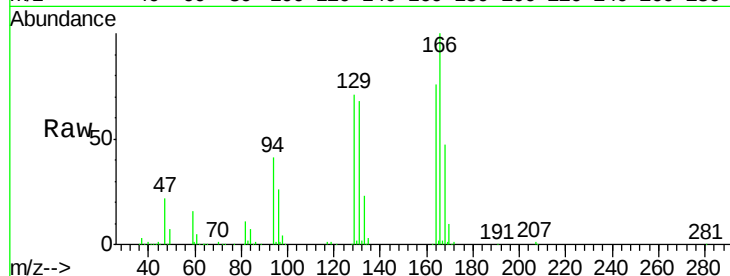




#64
Tetrachloroethene
Concen: 11.16 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN049324.D
Acq: 16 Jun 2018 21:37

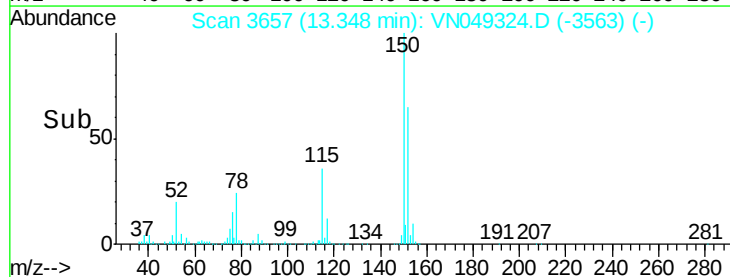
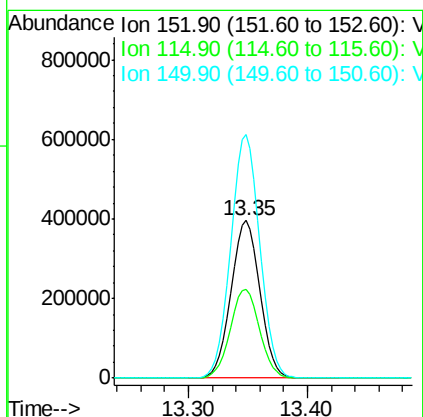
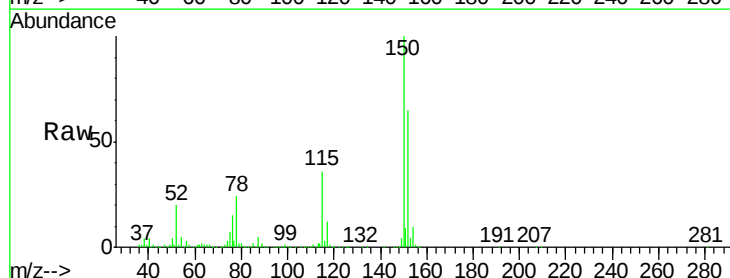
Instrument :
MSVOA_N
ClientSampled :

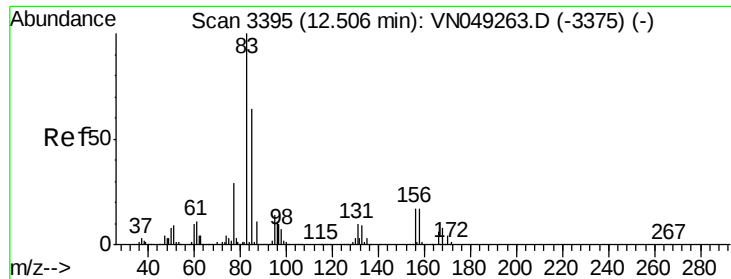
Tot Ion	Ratio	Lower	Upper
164	100		
166	130.9	101.4	152.2
129	92.5	74.1	111.1
131	88.6	73.7	110.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3657
Delta R.T. 0.00 min
Lab File: VN049324.D
Acq: 16 Jun 2018 21:37

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.0	28.7	86.1
150	154.9	0.0	351.0

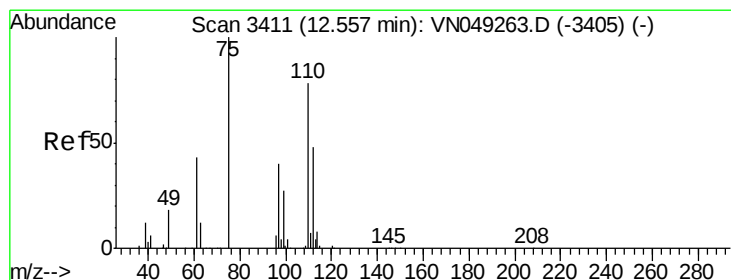
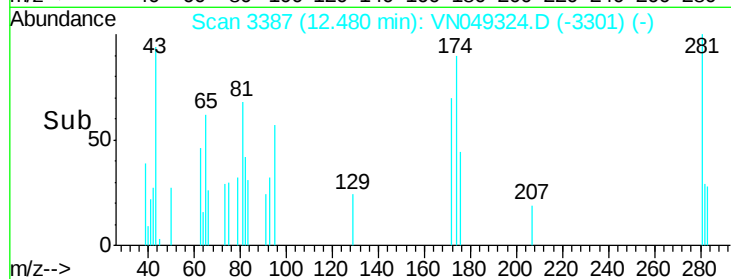
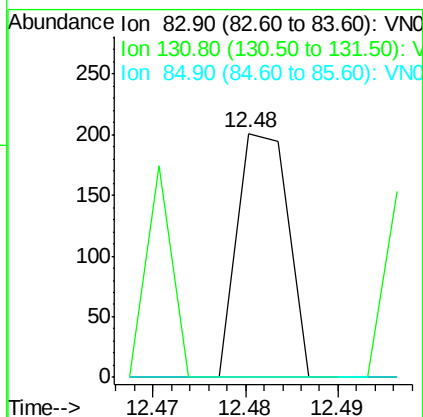
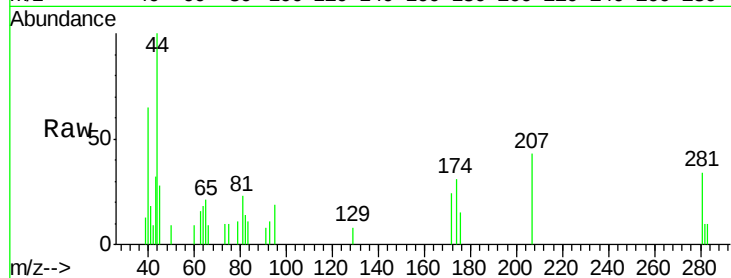




#75
 1,1,2,2-Tetrachloroethane
 Concen: Below Cal
 RT: 12.48 min Scan# 3387
 Delta R.T. -0.02 min
 Lab File: VN049324.D
 Acq: 16 Jun 2018 21:37

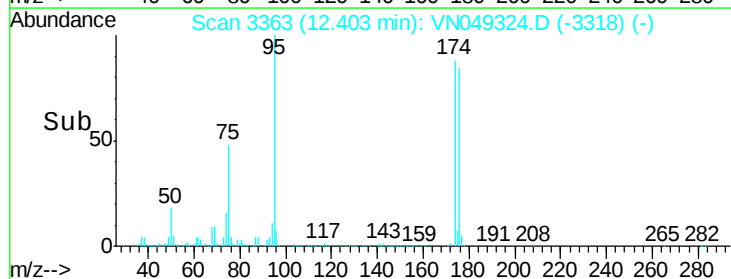
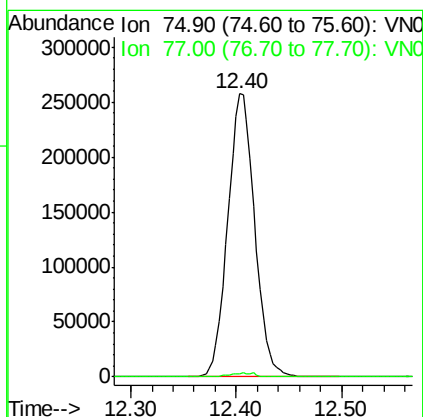
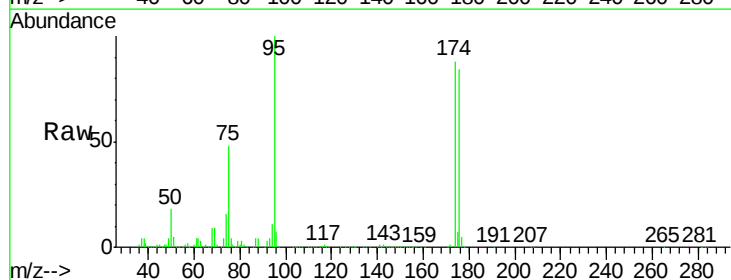
Instrument :
 MSVOA_N
 ClientSampleId :

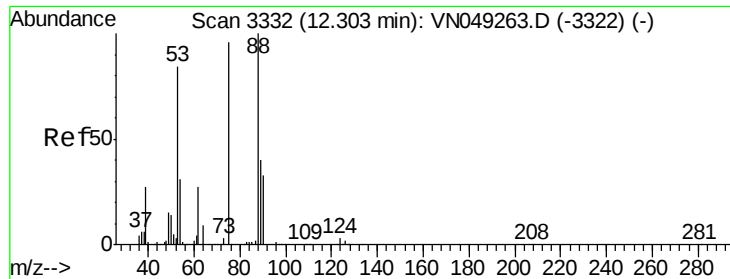
Tot Ion: 83 Resp: 76
 Ion Ratio Lower Upper
 83 100
 131 0.0 5.0 15.0#
 85 0.0 32.0 96.0#



#76
 1,2,3-Trichloropropane
 Concen: 39.93 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. -0.15 min
 Lab File: VN049324.D
 Acq: 16 Jun 2018 21:37

Tgt Ion: 75 Resp: 454174
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#

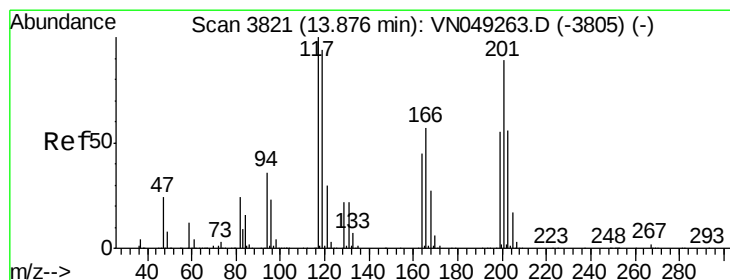
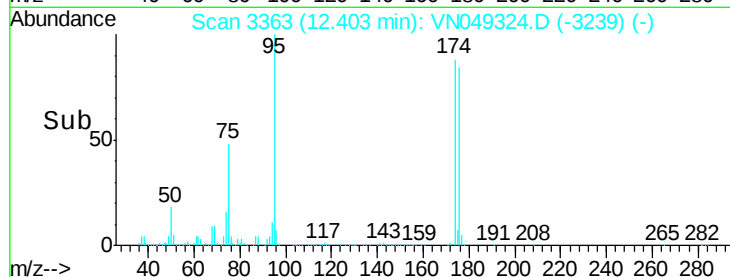
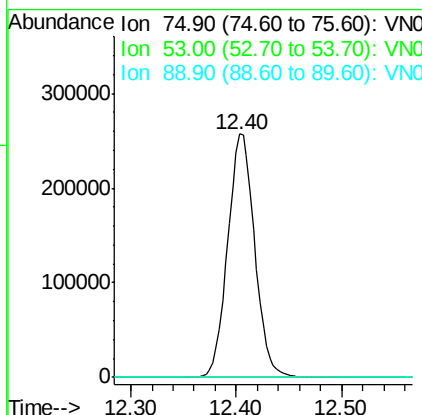
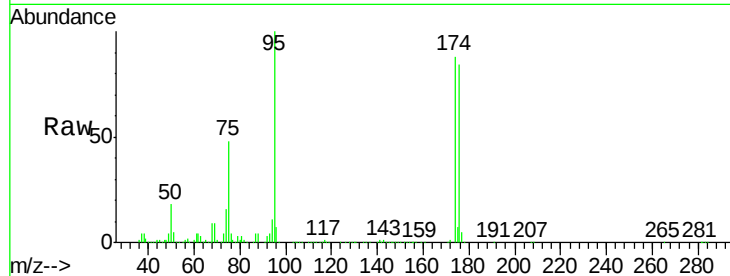




#81
trans-1,4-Dichloro-2-butene
Concen: 126.20 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.10 min
Lab File: VN049324.D
Acq: 16 Jun 2018 21:37

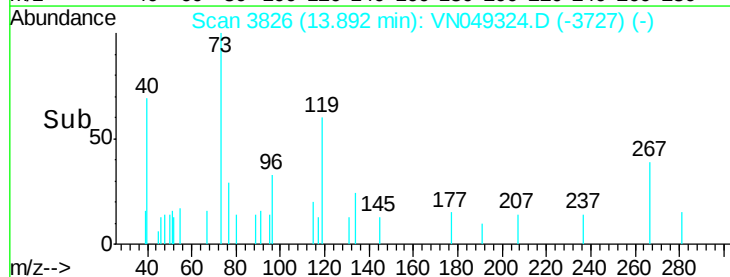
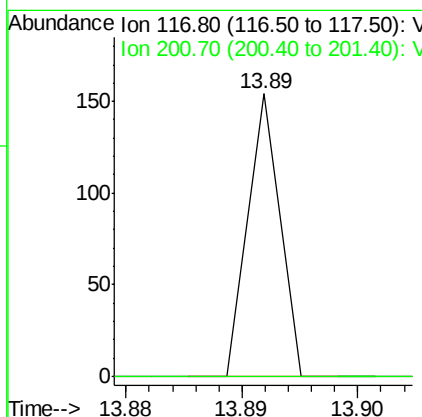
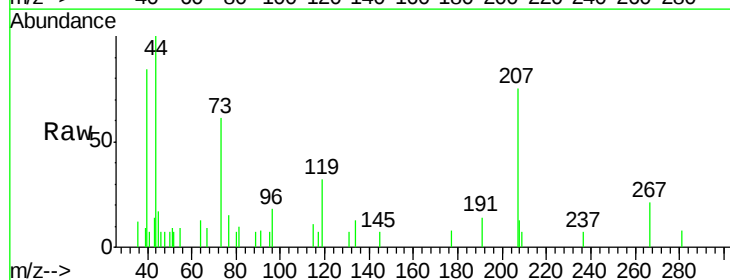
Instrument :
MSVOA_N
ClientSampleId :

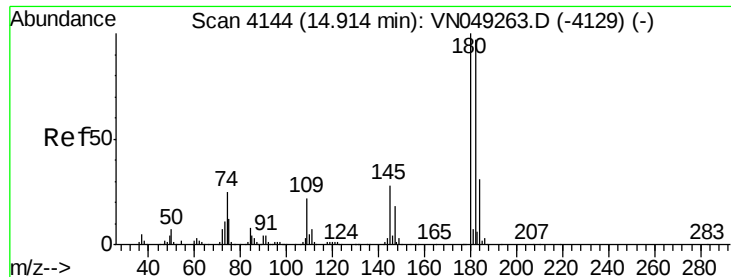
Tot Ion: 75 Resp: 454174
Ion Ratio Lower Upper
75 100
53 0.1 82.7 124.1#
89 0.0 36.5 54.7#



#90
Hexachloroethane
Concen: Below Cal
RT: 13.89 min Scan# 3826
Delta R.T. 0.02 min
Lab File: VN049324.D
Acq: 16 Jun 2018 21:37

Tgt Ion: 117 Resp: 30
Ion Ratio Lower Upper
117 100
201 0.0 40.1 120.2#

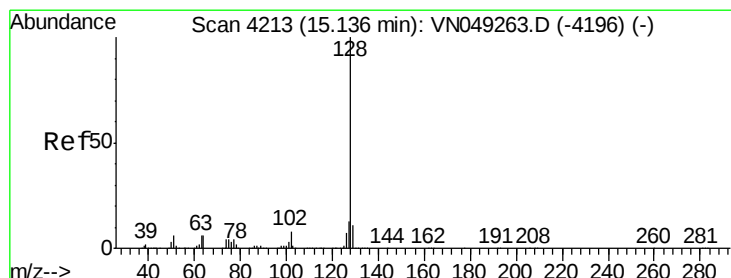
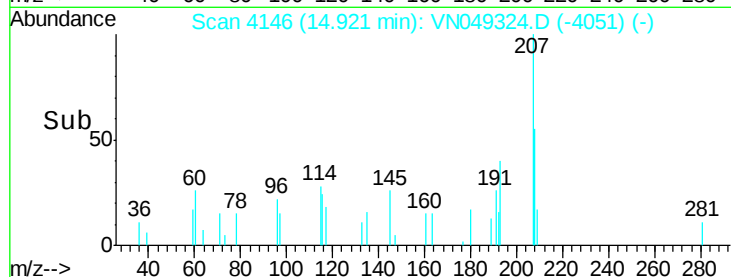
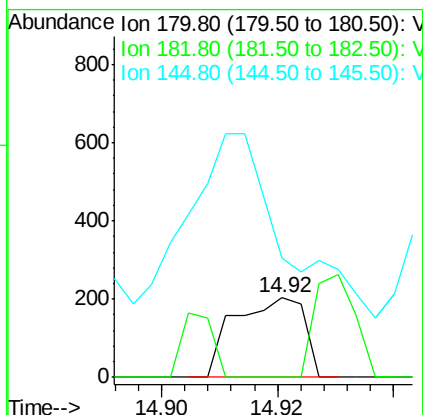
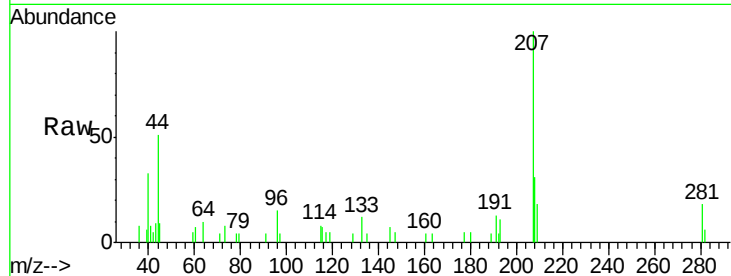




#93
 1,2,4-Trichlorobenzene
 Concen: 4.76 ug/l
 RT: 14.92 min Scan# 4146
 Delta R.T. 0.01 min
 Lab File: VN049324.D
 Acq: 16 Jun 2018 21:37

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:180 Resp: 169
 Ion Ratio Lower Upper
 180 100
 182 75.7 46.9 140.8
 145 0.0 14.7 44.1#



#95
 Naphthalene
 Concen: 2.12 ug/l
 RT: 15.14 min Scan# 4215
 Delta R.T. 0.01 min
 Lab File: VN049324.D
 Acq: 16 Jun 2018 21:37

Tgt Ion:128 Resp: 756
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.6 16.0#
 129 0.0 8.5 12.7#

