

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062518\
 Data File : VN049513.D
 Acq On : 25 Jun 2018 14:41
 Operator : MD\SY
 Sample : VN0625MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0625MBL01

Quant Time: Jun 26 01:39:16 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	1605919	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2482939	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2098336	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	623948	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	1046534	49.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.26%	
35) Dibromofluoromethane	7.59	113	957598	47.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.34%	
50) Toluene-d8	10.09	98	3453289	45.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.30%	
62) 4-Bromofluorobenzene	12.40	95	895833	35.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	70.84%	

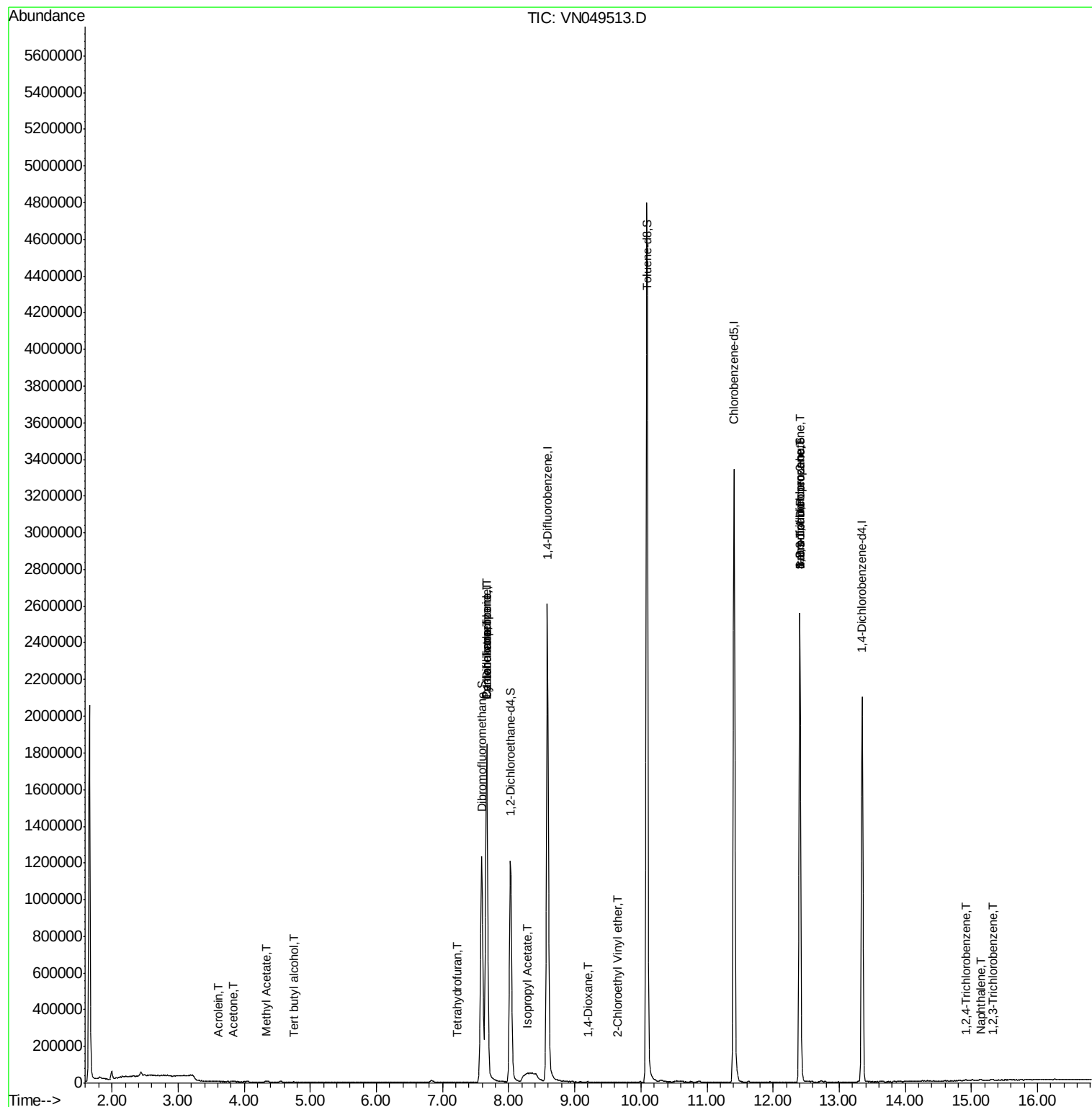
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.75	59	730	0.58	ug/l #	70
13) Acrolein	3.62	56	742	0.57	ug/l #	67
16) Acetone	3.83	43	1709	0.33	ug/l #	57
18) Methyl Acetate	4.33	43	12505	0.79	ug/l #	74
29) Tetrahydrofuran	7.21	42	1389	0.31	ug/l #	54
31) Cyclohexane	7.67	56	29159	0.75	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	108942	3.83	ug/l #	50
38) Carbon Tetrachloride	7.67	117	144521	4.91	ug/l #	17
43) Isopropyl Acetate	8.27	43	50141	1.70	ug/l #	64
49) 1,4-Dioxane	9.20	88	659	3.43	ug/l #	29
58) 2-Chloroethyl Vinyl ether	9.64	63	31	14.33	ug/l #	51
71) Bromoform	12.41	173	6844	0.52	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.51	83	247	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.40	75	433890	40.76	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	433890	128.81	ug/l #	9
90) Hexachloroethane	13.85	117	107	Below Cal	#	9
93) 1,2,4-Trichlorobenzene	14.92	180	1569	4.88	ug/l	80
94) Hexachlorobutadiene	15.01	225	1011	Below Cal		92
95) Naphthalene	15.14	128	4046	2.31	ug/l #	91
96) 1,2,3-Trichlorobenzene	15.31	180	1537	3.59	ug/l #	92

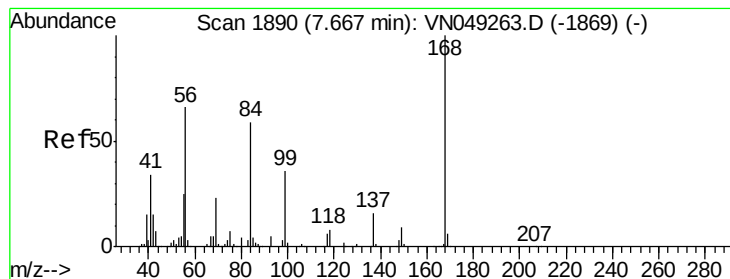
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN062518\
Data File : VN049513.D
Acq On : 25 Jun 2018 14:41
Operator : MD\SY
Sample : VN0625MBL01
Misc : 5.00µL/10mL/100µL/5.00mL/MSVOA_N/MEOH
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0625MBL01

Quant Time: Jun 26 01:39:16 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N061618W.M
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: VN049513.D

Acq: 25 Jun 2018 14:41

Instrument :

MSVOA_N

ClientSampleId :

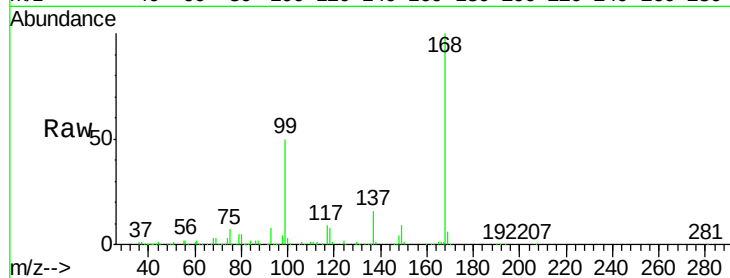
VN0625MBL01

Tot Ion:168 Resp: 1605919

Ion Ratio Lower Upper

168 100

99 50.1 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): VN049263.D (-1869) (-)

Ion 98.90 (98.60 to 99.60): VN049263.D (-1869) (-)

7.67

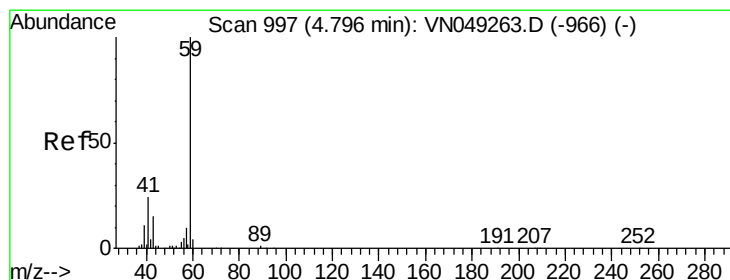
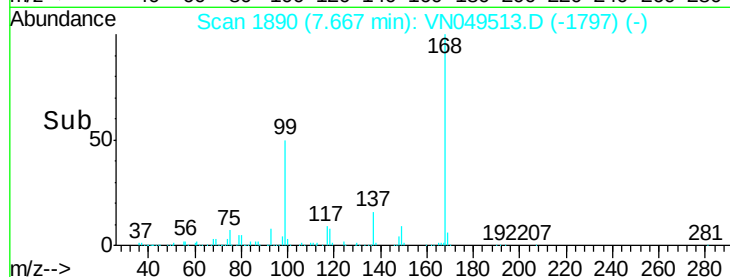
600000

400000

200000

0

Time-->



#11

Tert butyl alcohol

Concen: 0.58 ug/l

RT: 4.75 min Scan# 983

Delta R.T. -0.04 min

Lab File: VN049513.D

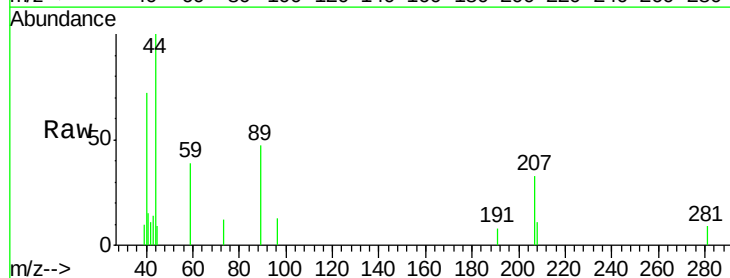
Acq: 25 Jun 2018 14:41

Tgt Ion: 59 Resp: 730

Ion Ratio Lower Upper

59 100

57 0.0 9.0 13.6#



Abundance Ion 59.00 (58.70 to 59.70): VN049263.D (-966) (-)

Ion 57.00 (56.70 to 57.70): VN049263.D (-966) (-)

4.75

800

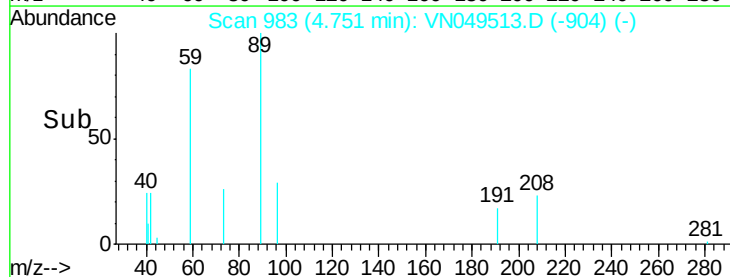
600

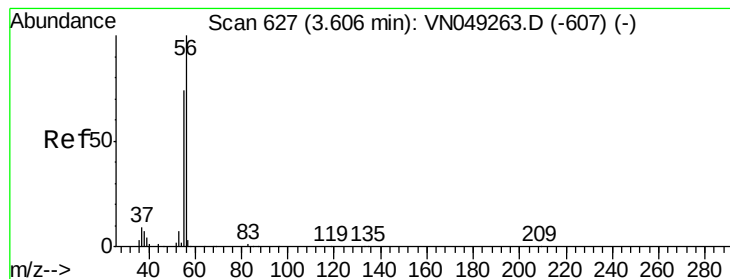
400

200

0

Time-->





#13

Acrolein

Concen: 0.57 ug/l

RT: 3.62 min Scan# 631

Delta R.T. 0.01 min

Lab File: VN049513.D

Acq: 25 Jun 2018 14:41

Instrument :

MSVOA_N

ClientSampled :

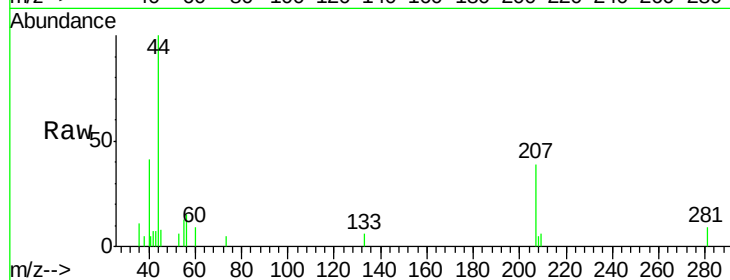
VN0625MBL01

Tot Ion: 56 Resp: 742

Ion Ratio Lower Upper

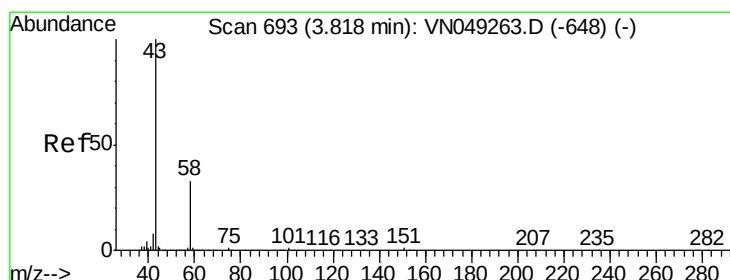
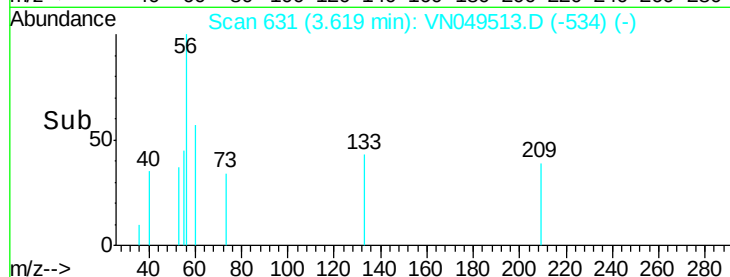
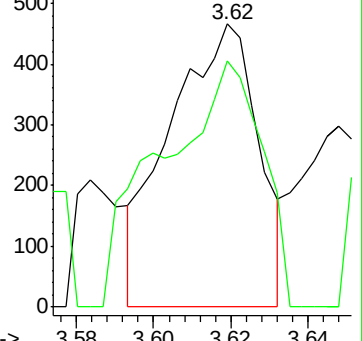
56 100

55 98.9 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: 0.33 ug/l

RT: 3.83 min Scan# 696

Delta R.T. 0.01 min

Lab File: VN049513.D

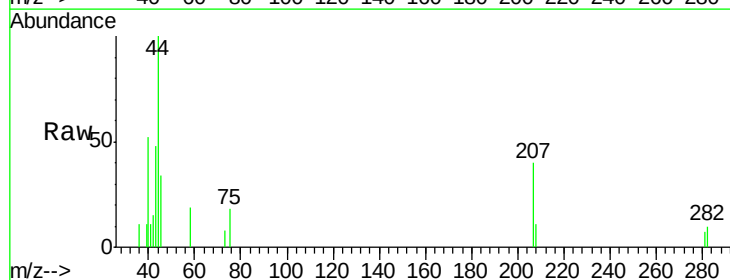
Acq: 25 Jun 2018 14:41

Tgt Ion: 43 Resp: 1709

Ion Ratio Lower Upper

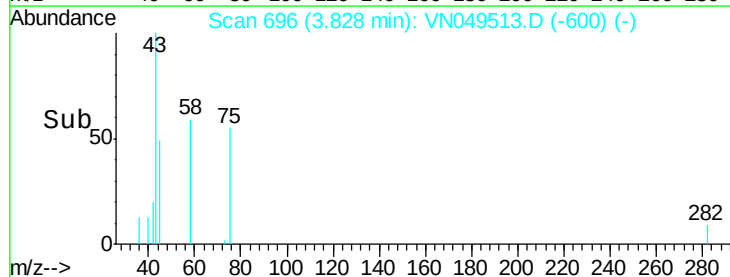
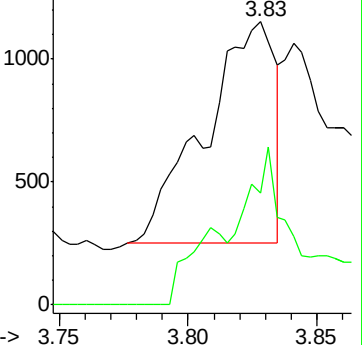
43 100

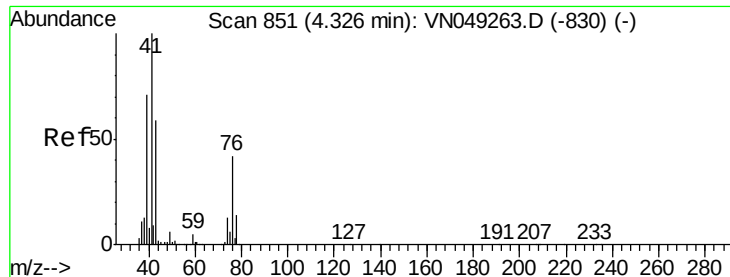
58 50.7 22.4 33.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

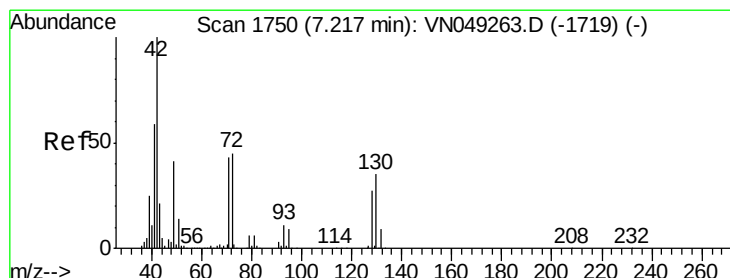
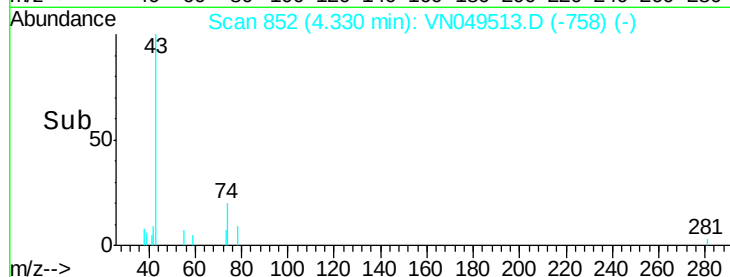
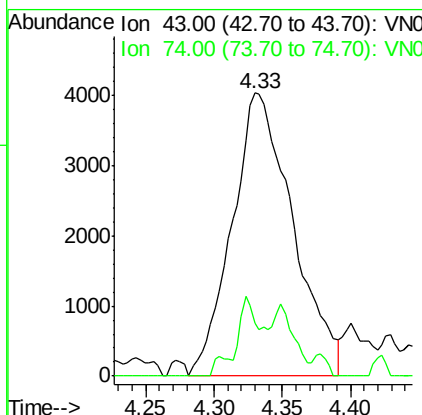
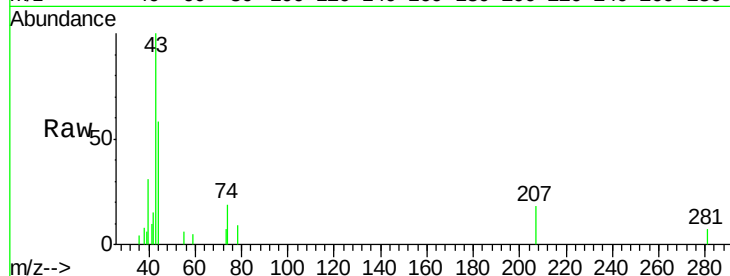




#18
Methvl Acetate
Concen: 0.79 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN049513.D
Acq: 25 Jun 2018 14:41

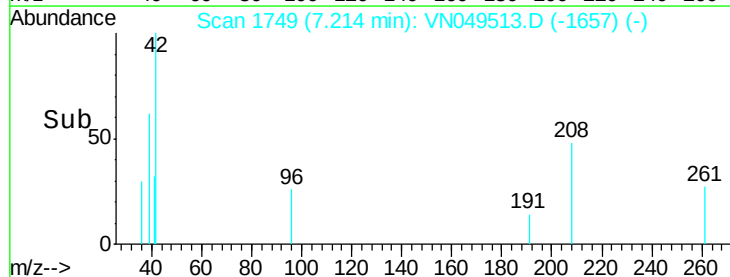
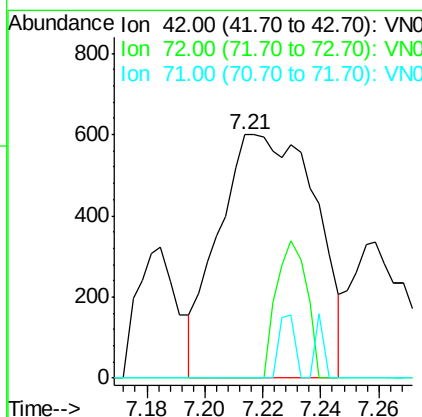
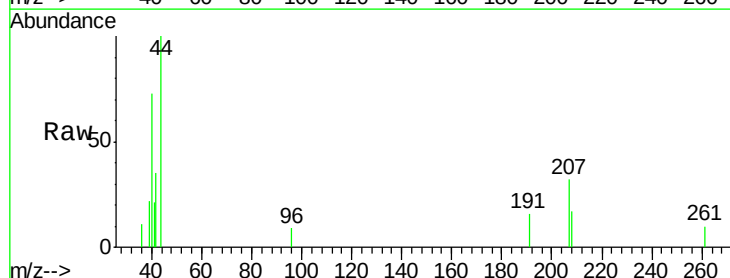
Instrument :
MSVOA_N
ClientSampleId :
VN0625MBL01

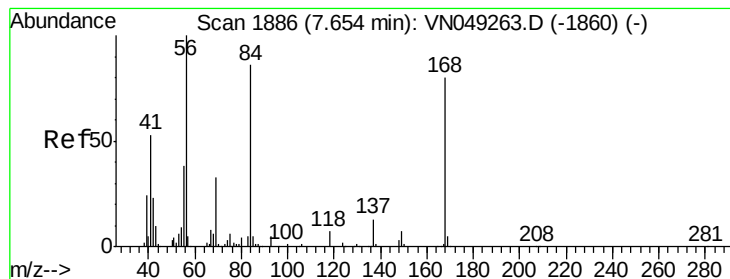
Tot Ion: 43 Resp: 12505
Ion Ratio Lower Upper
43 100
74 9.6 17.4 26.0#



#29
Tetrahydrofuran
Concen: 0.31 ug/l
RT: 7.21 min Scan# 1749
Delta R.T. -0.00 min
Lab File: VN049513.D
Acq: 25 Jun 2018 14:41

Tgt Ion: 42 Resp: 1389
Ion Ratio Lower Upper
42 100
72 17.8 32.2 48.4#
71 4.2 30.5 45.7#





#31

Cyclohexane

Concen: 0.75 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.02 min

Lab File: VN049513.D

Acq: 25 Jun 2018 14:41

Instrument :

MSVOA_N

ClientSampled :

VN0625MBL01

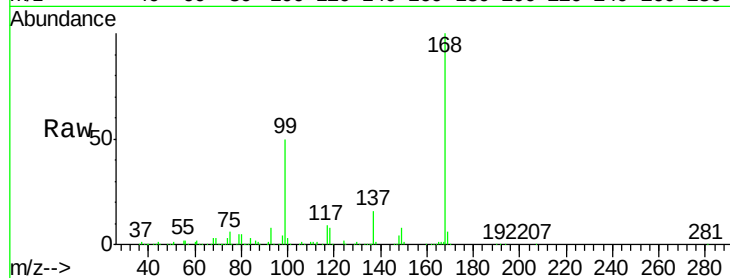
Tot Ion: 56 Resp: 29159

Ion Ratio Lower Upper

56 100

69 183.0 25.0 37.4#

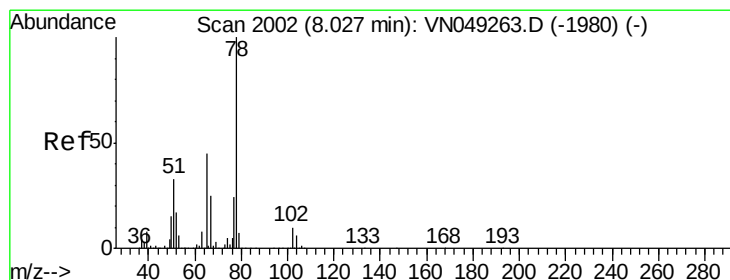
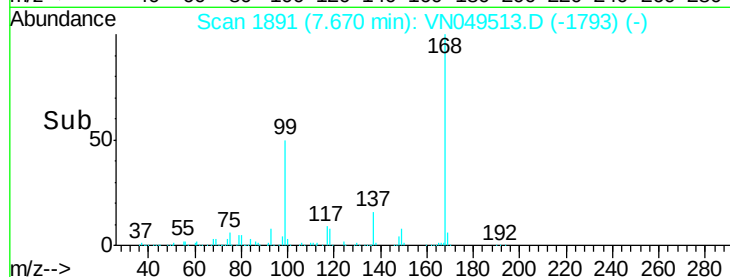
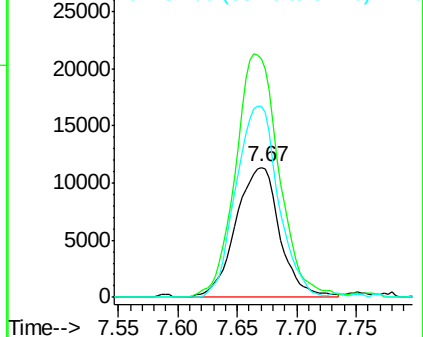
84 146.5 64.6 96.8#



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: 49.13 ug/l

RT: 8.03 min Scan# 2002

Delta R.T. 0.00 min

Lab File: VN049513.D

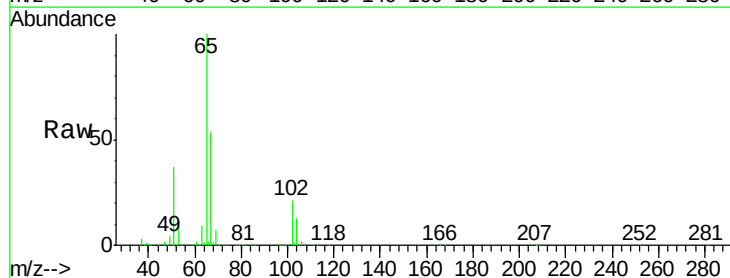
Acq: 25 Jun 2018 14:41

Tgt Ion: 65 Resp: 1046534

Ion Ratio Lower Upper

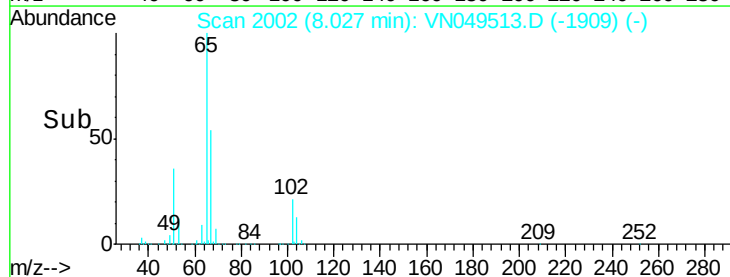
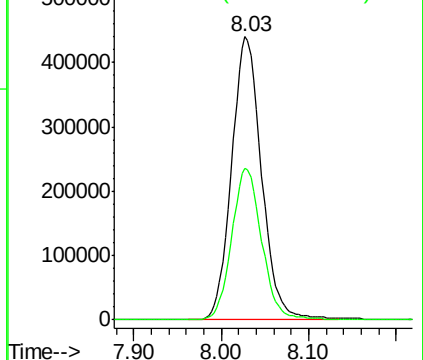
65 100

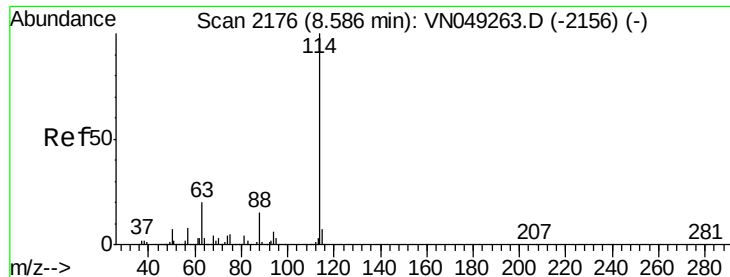
67 53.8 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

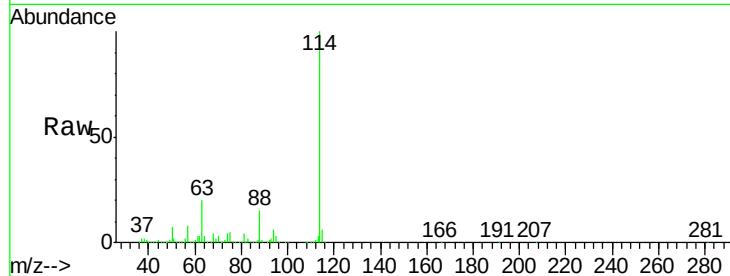




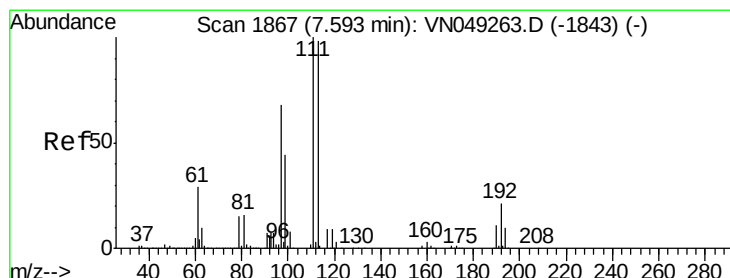
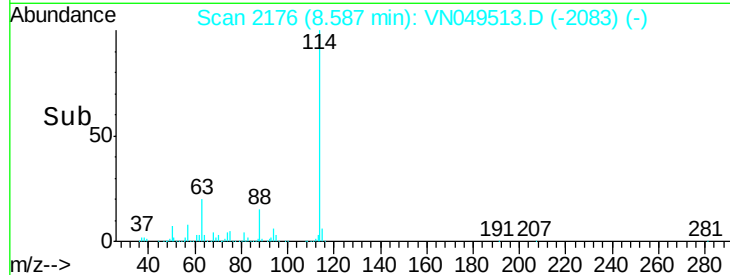
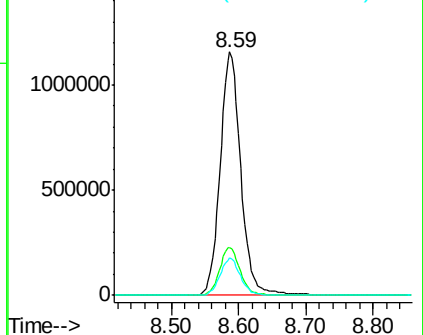
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049513.D
 Acq: 25 Jun 2018 14:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0625MBL01

Tot Ion:114 Resp: 2482939
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 44.4
 88 15.2 0.0 31.4

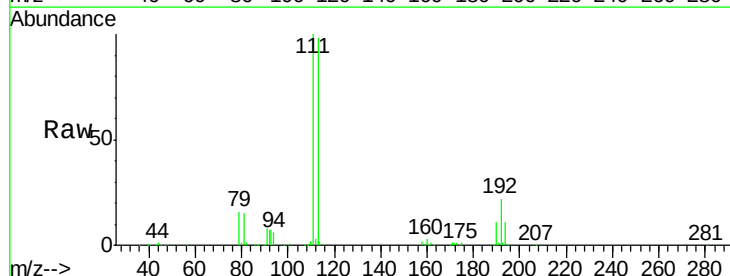


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

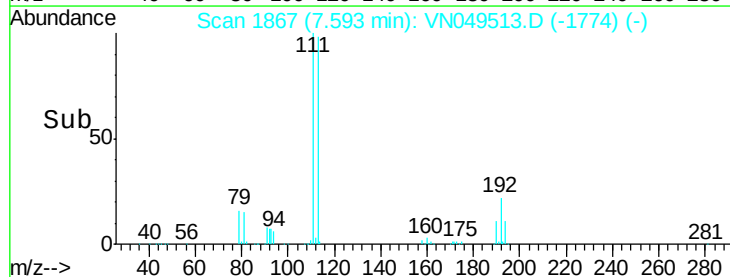
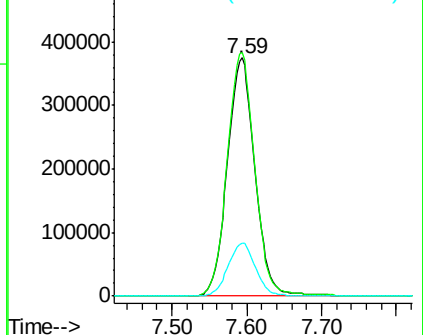


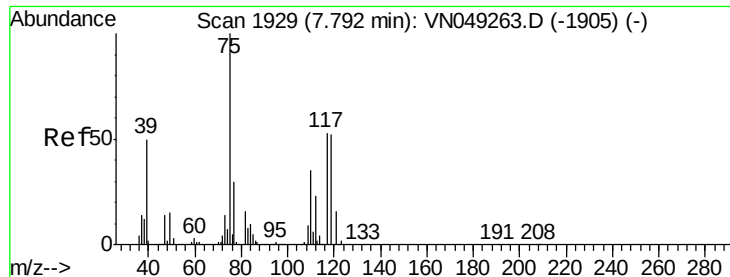
#35
 Dibromofluoromethane
 Concen: 47.67 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN049513.D
 Acq: 25 Jun 2018 14:41

Tgt Ion:113 Resp: 957598
 Ion Ratio Lower Upper
 113 100
 111 101.9 82.4 123.6
 192 22.4 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: 3.83 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. -0.13 min

Lab File: VN049513.D

Acq: 25 Jun 2018 14:41

Instrument :

MSVOA_N

ClientSampleId :

VN0625MBL01

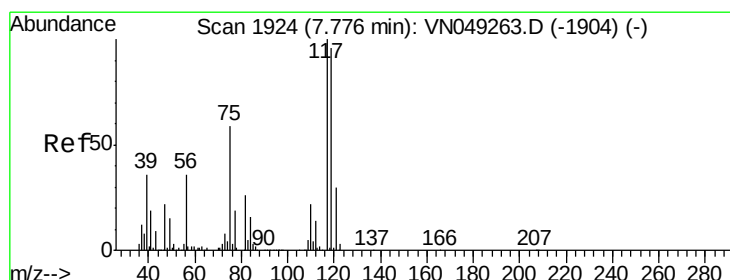
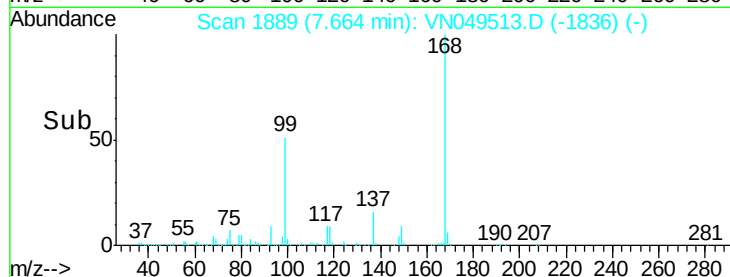
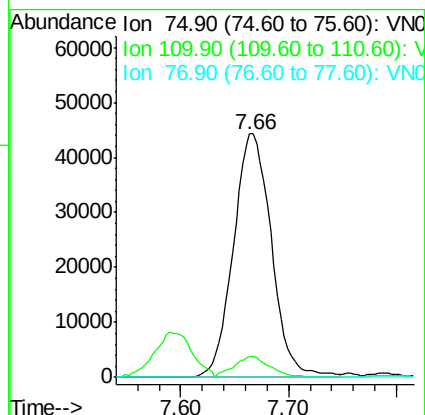
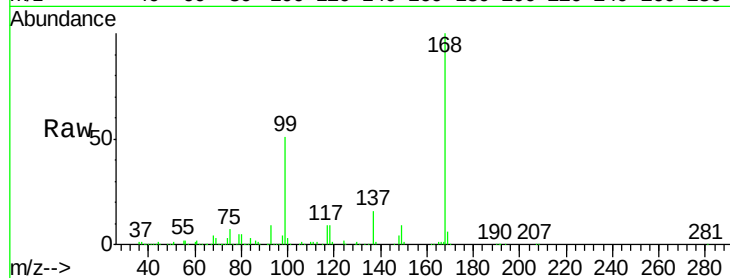
Tot Ion: 75 Resp: 108942

Ion Ratio Lower Upper

75 100

110 8.2 17.0 50.9#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 4.91 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.11 min

Lab File: VN049513.D

Acq: 25 Jun 2018 14:41

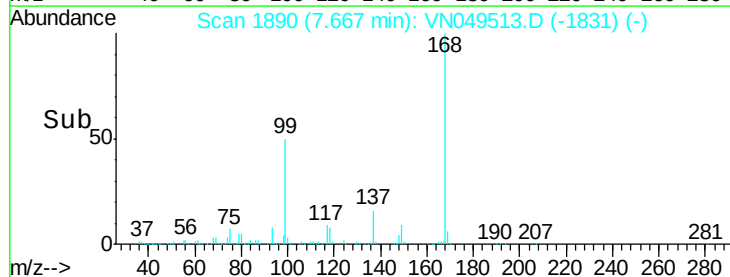
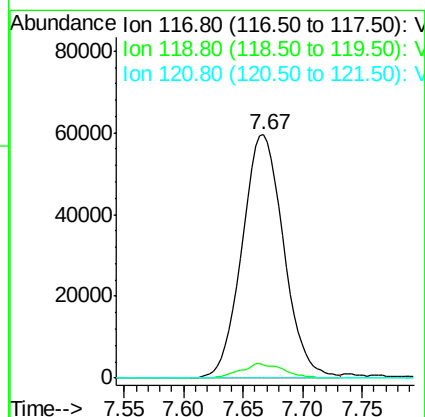
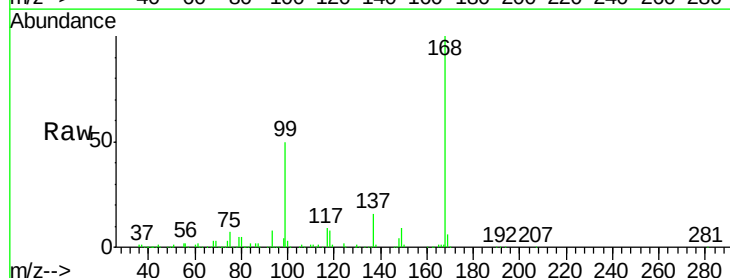
Tgt Ion: 117 Resp: 144521

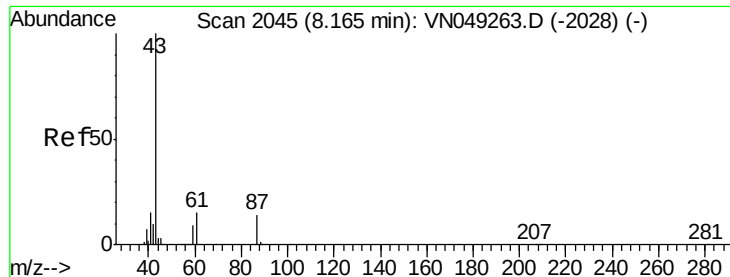
Ion Ratio Lower Upper

117 100

119 5.7 75.6 113.4#

121 0.0 24.7 37.1#





#43

Isopropyl Acetate

Concen: 1.70 ug/l

RT: 8.27 min Scan# 2076

Delta R.T. 0.10 min

Lab File: VN049513.D

Acq: 25 Jun 2018 14:41

Instrument :

MSVOA_N

ClientSampleId :

VN0625MBL01

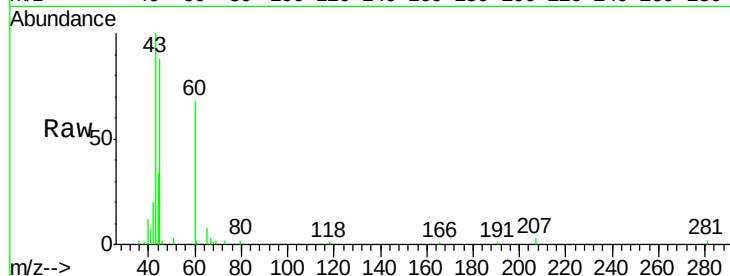
Tot Ion: 43 Resp: 50141

Ion Ratio Lower Upper

43 100

61 0.0 14.2 21.4#

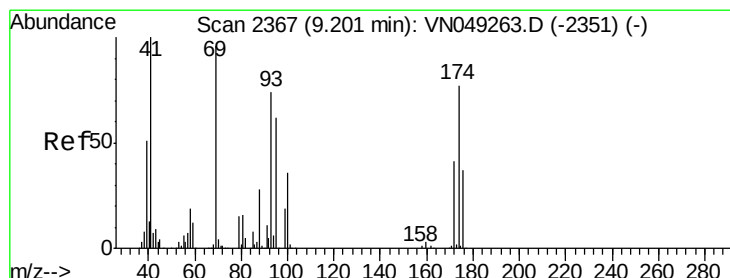
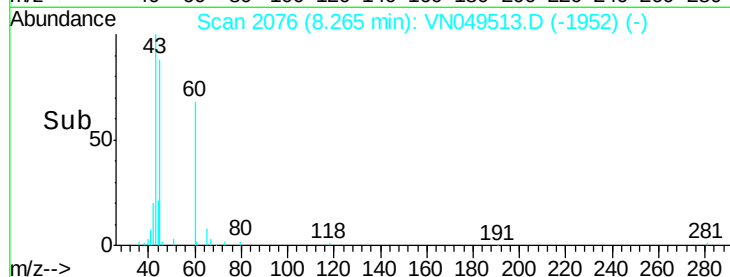
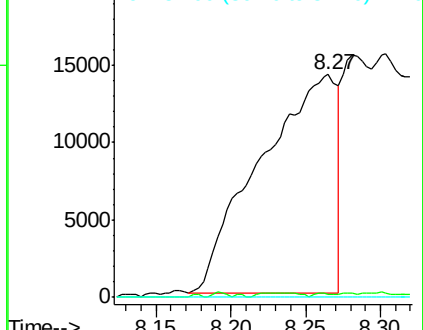
87 0.0 9.4 14.0#



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



#49

1,4-Dioxane

Concen: 3.43 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN049513.D

Acq: 25 Jun 2018 14:41

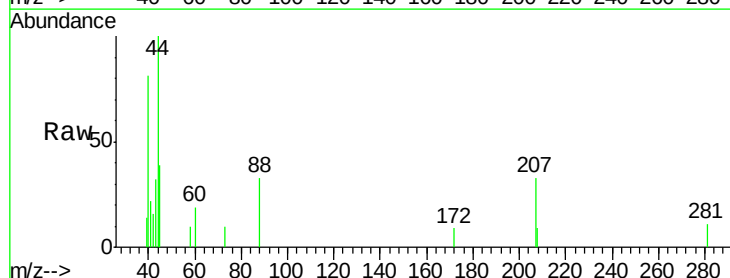
Tgt Ion: 88 Resp: 659

Ion Ratio Lower Upper

88 100

43 86.2 30.9 46.3#

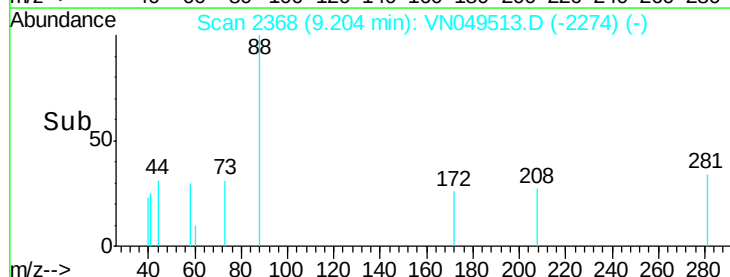
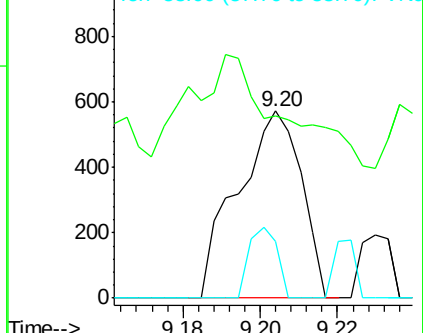
58 16.7 58.9 88.3#

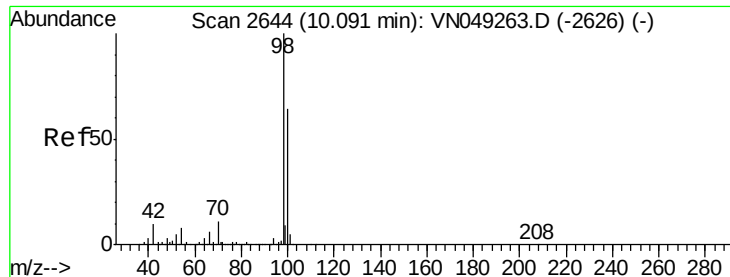


Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

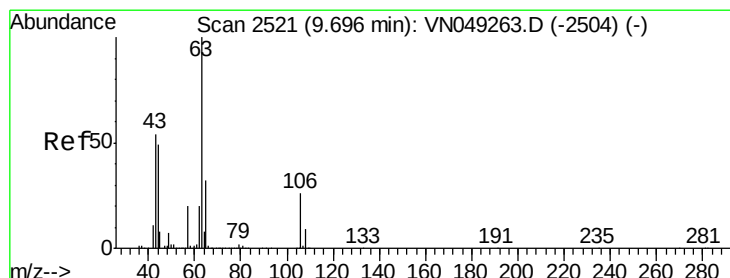
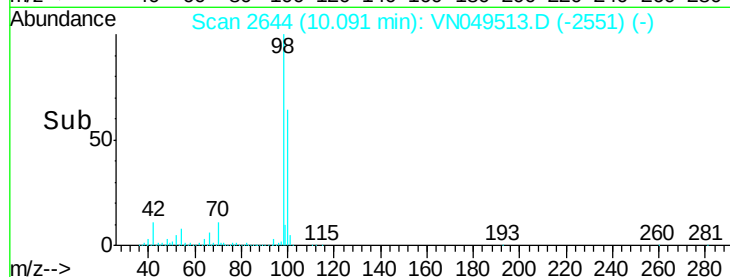
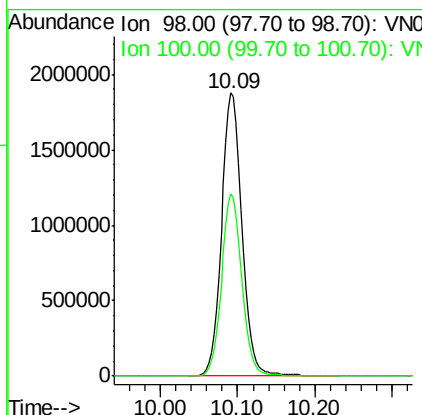
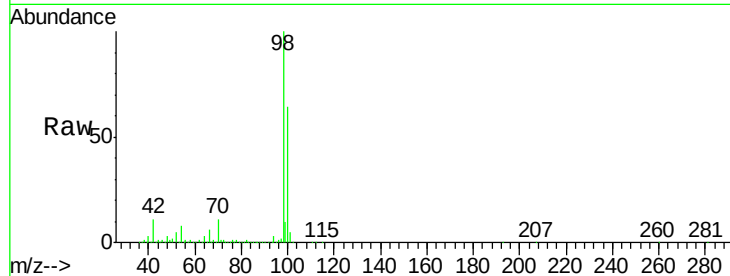




#50
Toluene-d8
Concen: 45.15 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049513.D
Acq: 25 Jun 2018 14:41

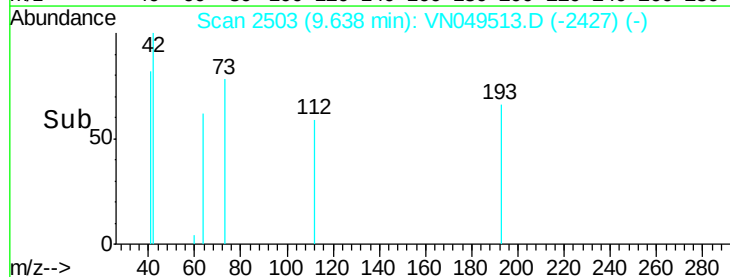
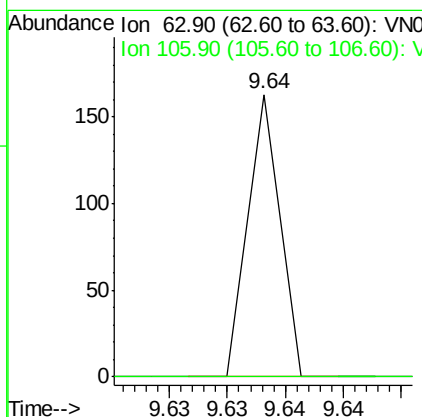
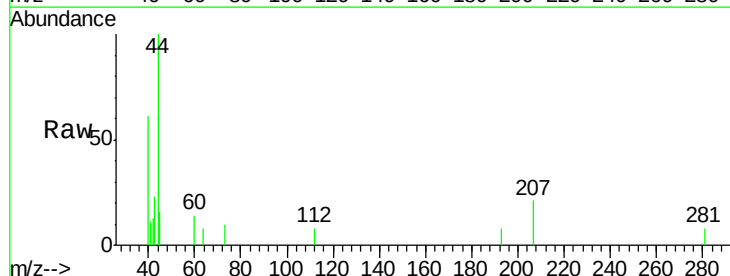
Instrument :
MSVOA_N
ClientSampleId :
VN0625MBL01

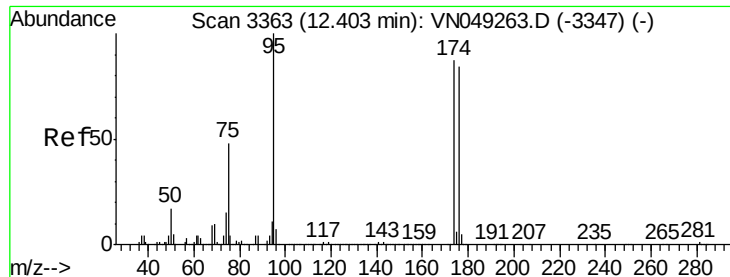
Tot Ion: 98 Resp: 3453289
Ion Ratio Lower Upper
98 100
100 64.0 49.8 74.8



#58
2-Chloroethyl Vinyl ether
Concen: 14.33 ug/l
RT: 9.64 min Scan# 2503
Delta R.T. -0.06 min
Lab File: VN049513.D
Acq: 25 Jun 2018 14:41

Tgt Ion: 63 Resp: 31
Ion Ratio Lower Upper
63 100
106 0.0 19.4 29.2#





#62

4-Bromofluorobenzene

Concen: 35.42 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049513.D

Acq: 25 Jun 2018 14:41

Instrument :

MSVOA_N

ClientSampleId :

VN0625MBL01

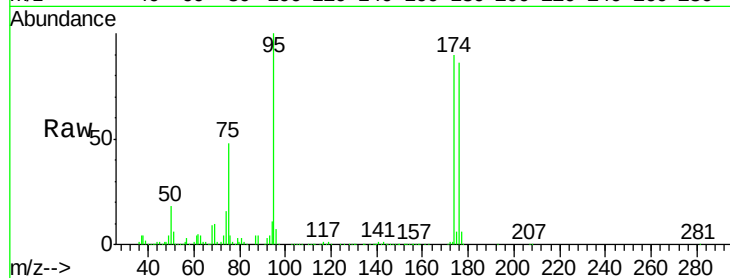
Tot Ion: 95 Resp: 895833

Ion Ratio Lower Upper

95 100

174 91.2 0.0 165.6

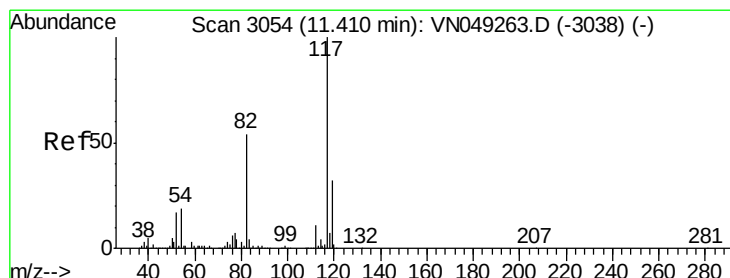
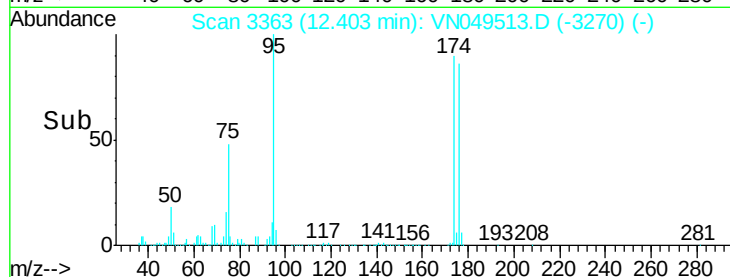
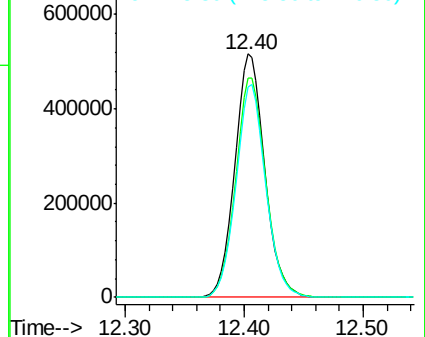
176 87.0 0.0 157.4



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN049513.D

Acq: 25 Jun 2018 14:41

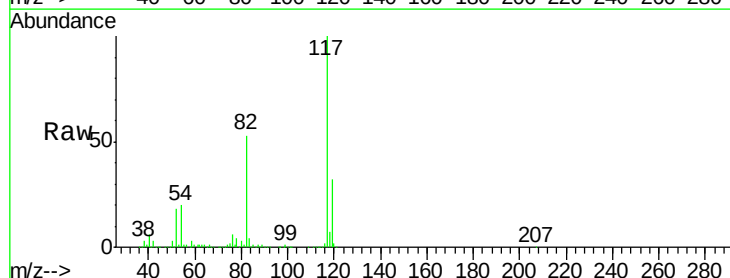
Tgt Ion: 117 Resp: 2098336

Ion Ratio Lower Upper

117 100

82 52.8 45.9 68.9

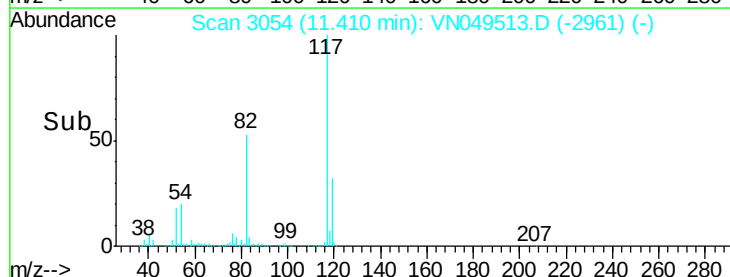
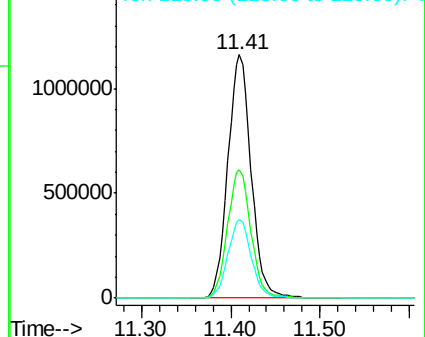
119 32.3 25.5 38.3

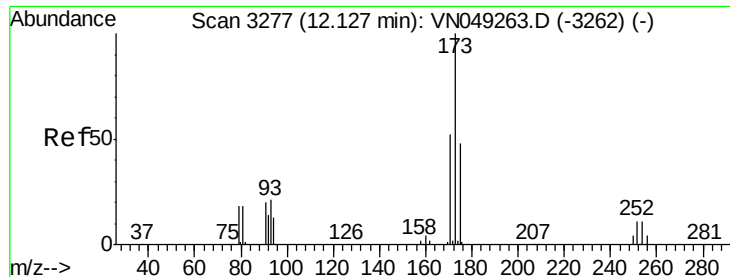


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0





#71

Bromoform

Concen: 0.52 ug/l

RT: 12.41 min Scan# 3364

Delta R.T. 0.28 min

Lab File: VN049513.D

Acq: 25 Jun 2018 14:41

Instrument :

MSVOA_N

ClientSampled :

VN0625MBL01

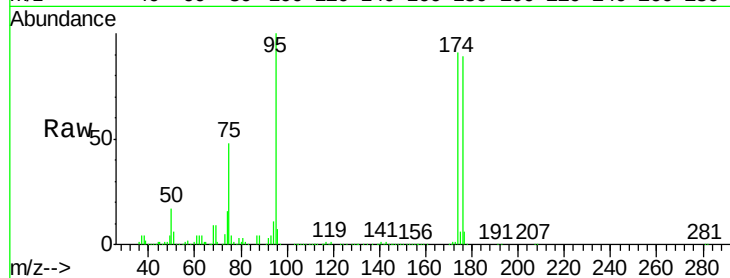
Tot Ion:173 Resp: 6844

Ion Ratio Lower Upper

173 100

175 653.5 24.5 73.5#

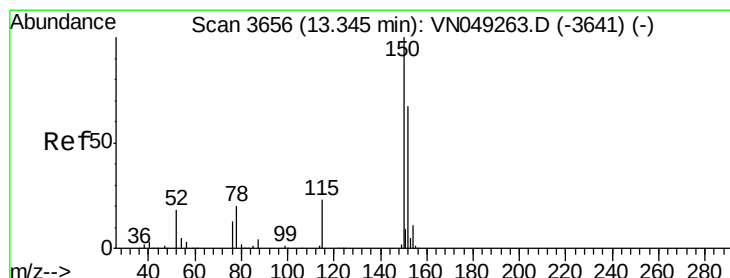
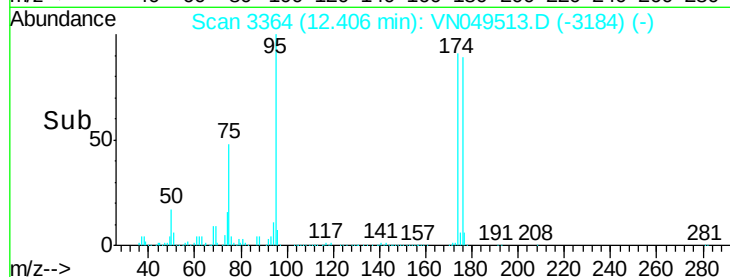
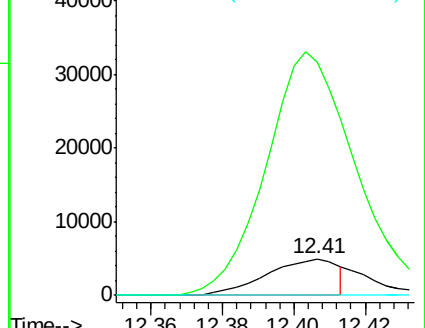
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3657

Delta R.T. 0.00 min

Lab File: VN049513.D

Acq: 25 Jun 2018 14:41

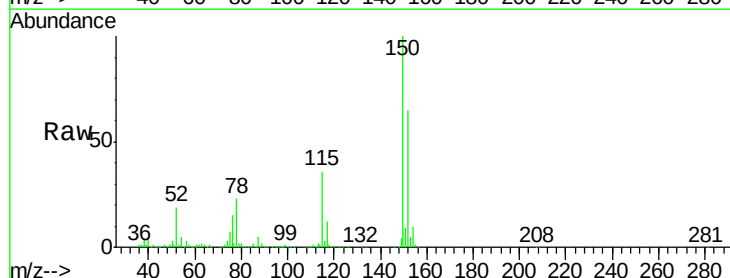
Tgt Ion:152 Resp: 623948

Ion Ratio Lower Upper

152 100

115 56.9 28.7 86.1

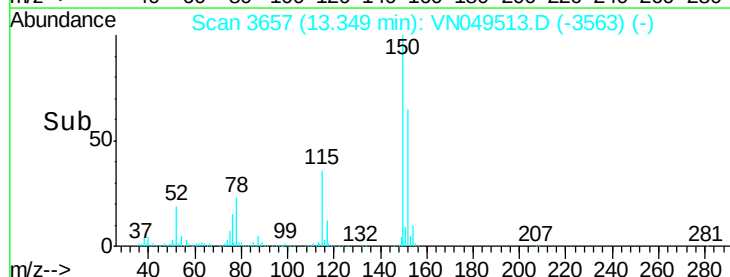
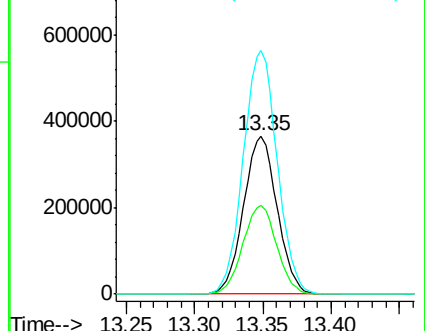
150 156.1 0.0 351.0

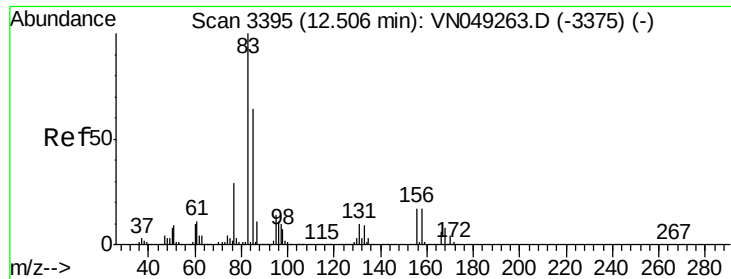


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049513.D

Acq: 25 Jun 2018 14:41

Instrument :

MSVOA_N

ClientSampled :

VN0625MBL01

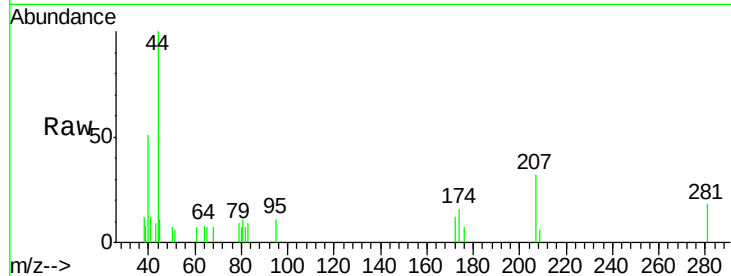
Tot Ion: 83 Resp: 247

Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

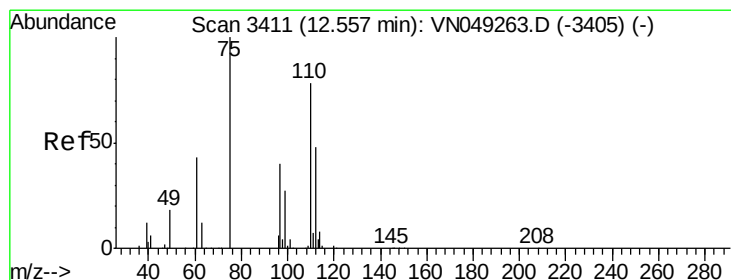
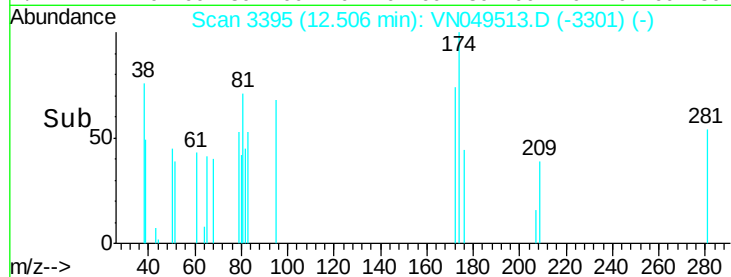
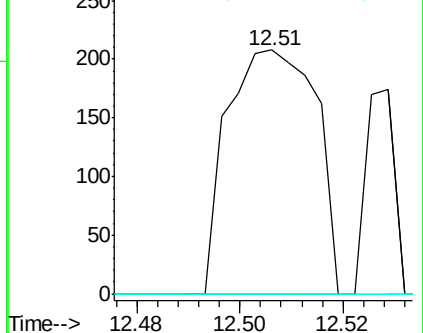
85 0.0 32.0 96.0#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 40.76 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049513.D

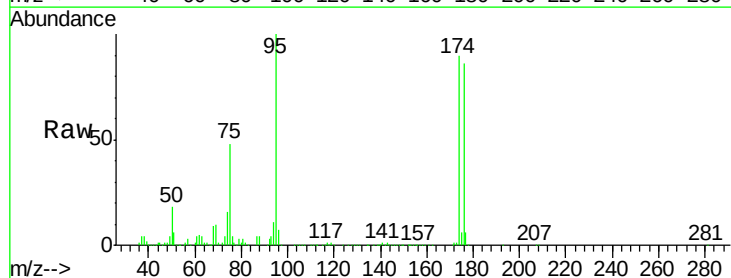
Acq: 25 Jun 2018 14:41

Tgt Ion: 75 Resp: 433890

Ion Ratio Lower Upper

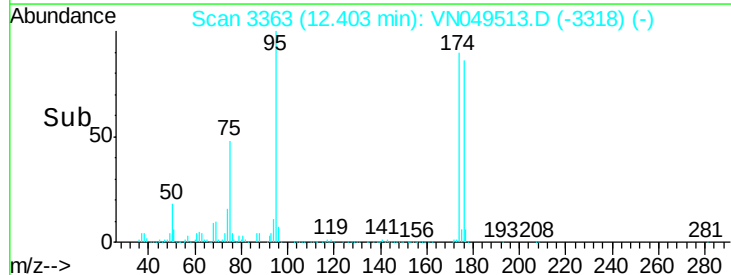
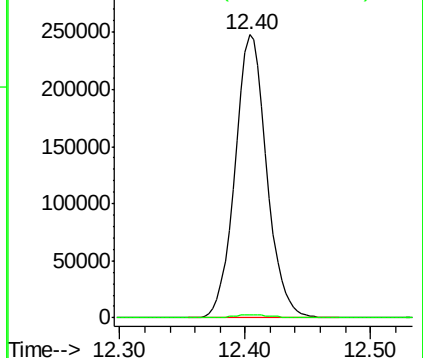
75 100

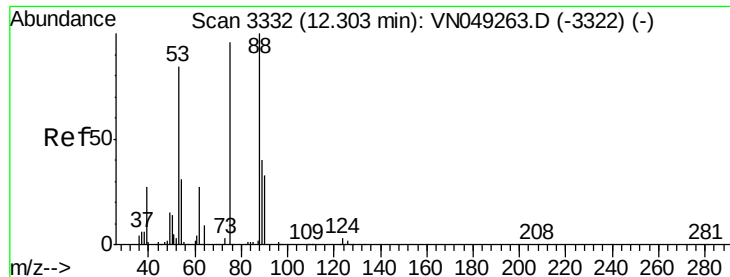
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#81

trans-1,4-Dichloro-2-butene

Concen: 128.81 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049513.D

Acq: 25 Jun 2018 14:41

Instrument :

MSVOA_N

ClientSampleId :

VN0625MBL01

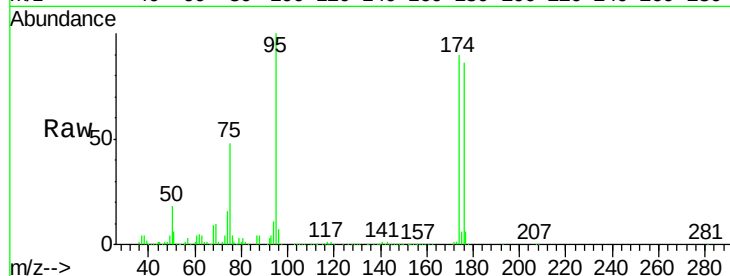
Tot Ion: 75 Resp: 433890

Ion Ratio Lower Upper

75 100

53 0.2 82.7 124.1#

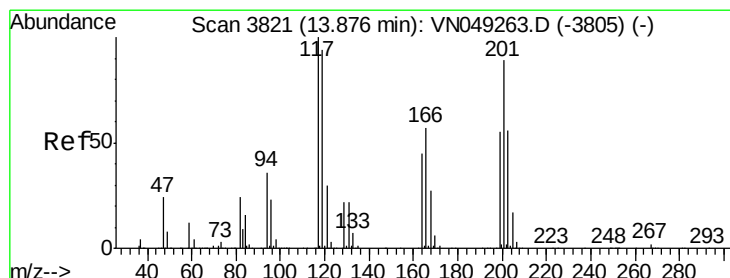
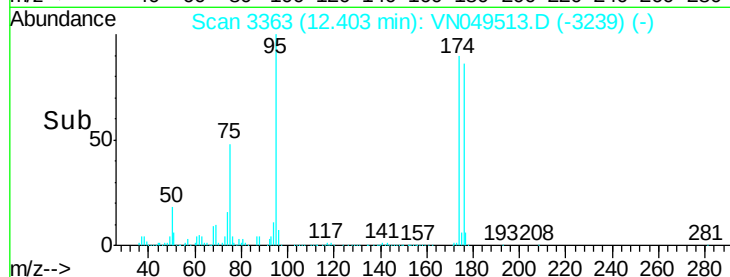
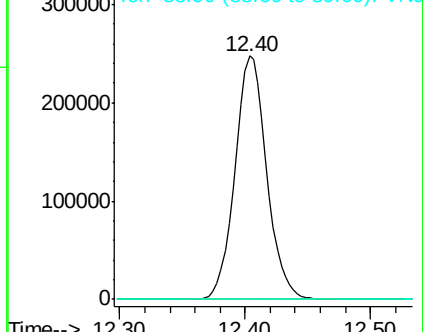
89 0.0 36.5 54.7#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#90

Hexachloroethane

Concen: Below Cal

RT: 13.85 min Scan# 3812

Delta R.T. -0.03 min

Lab File: VN049513.D

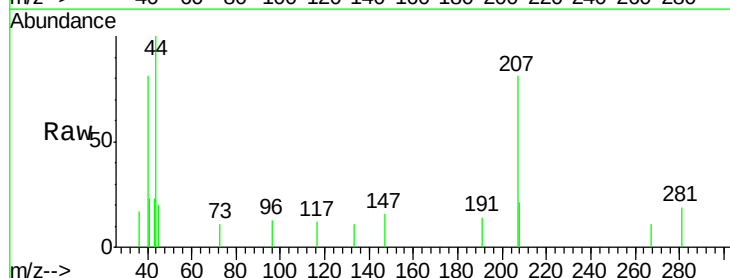
Acq: 25 Jun 2018 14:41

Tgt Ion: 117 Resp: 107

Ion Ratio Lower Upper

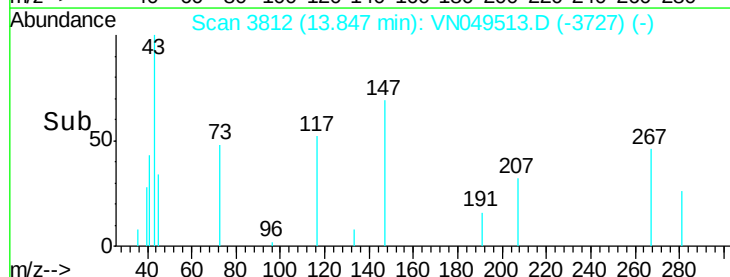
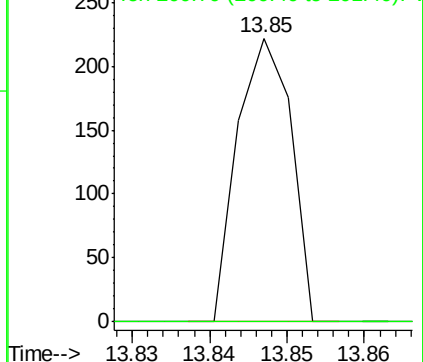
117 100

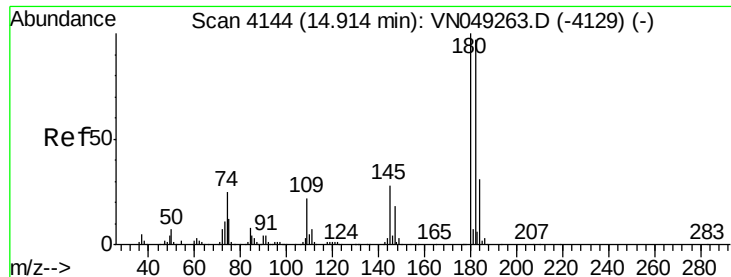
201 0.0 40.1 120.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

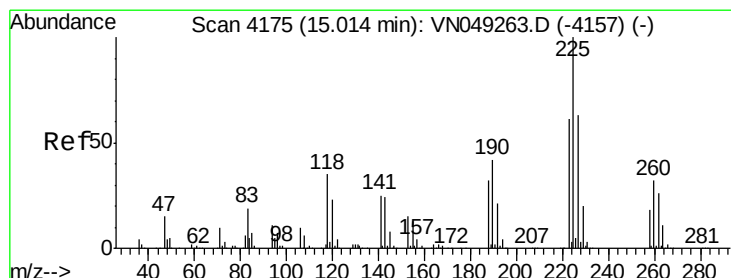
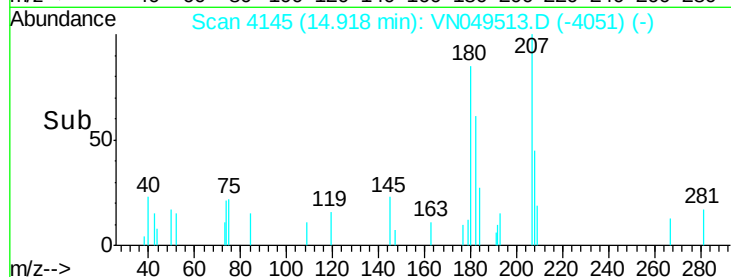
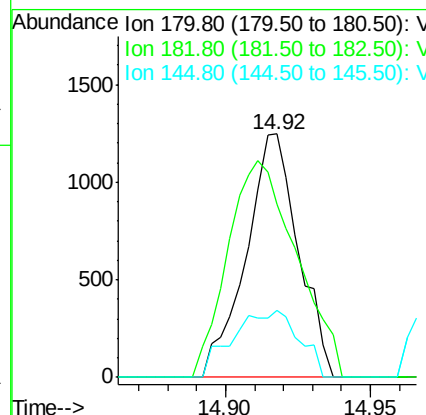
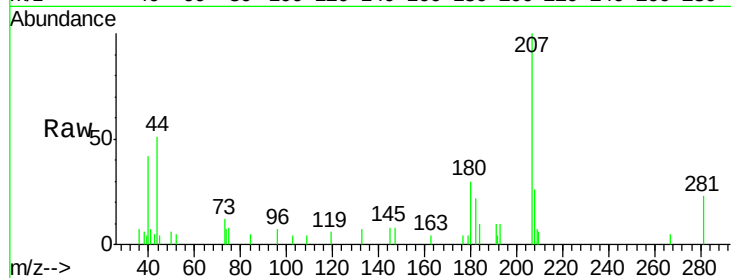




#93
 1,2,4-Trichlorobenzene
 Concen: 4.88 ug/l
 RT: 14.92 min Scan# 4145
 Delta R.T. 0.00 min
 Lab File: VN049513.D
 Acq: 25 Jun 2018 14:41

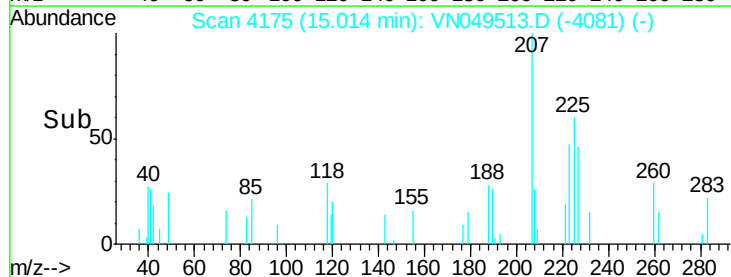
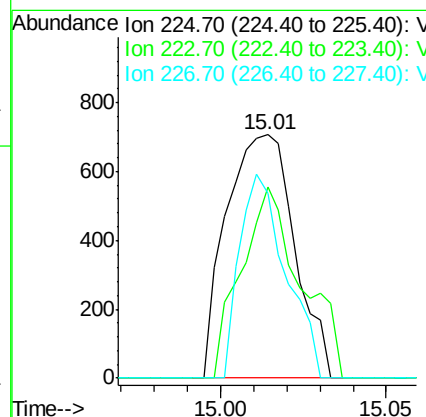
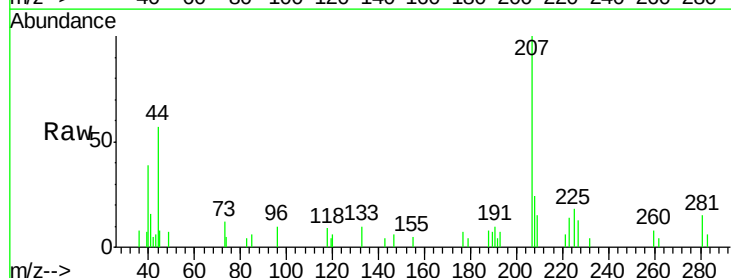
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0625MBL01

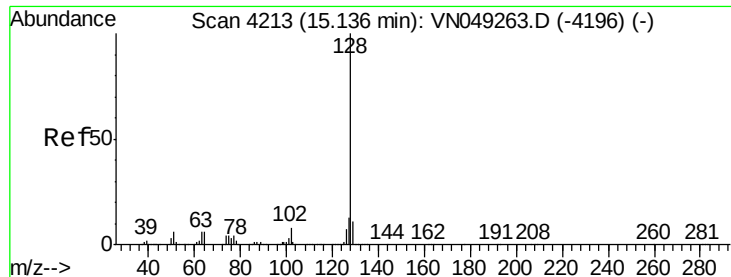
Tot Ion:180 Resp: 1569
 Ion Ratio Lower Upper
 180 100
 182 116.4 46.9 140.8
 145 34.9 14.7 44.1



#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN049513.D
 Acq: 25 Jun 2018 14:41

Tgt Ion:225 Resp: 1011
 Ion Ratio Lower Upper
 225 100
 223 68.9 32.1 96.3
 227 56.5 31.8 95.3





#95

Naphthalene

Concen: 2.31 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049513.D

Acq: 25 Jun 2018 14:41

Instrument :

MSVOA_N

ClientSampleId :

VN0625MBL01

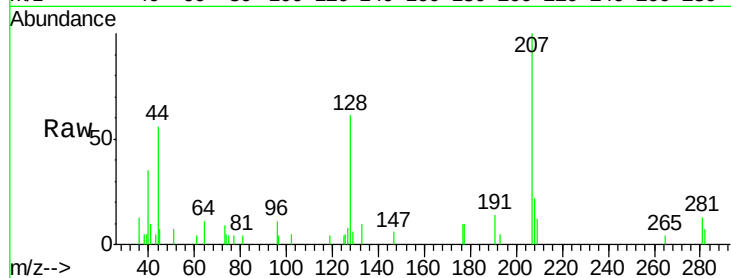
Tot Ion:128 Resp: 4046

Ion Ratio Lower Upper

128 100

127 9.2 10.6 16.0#

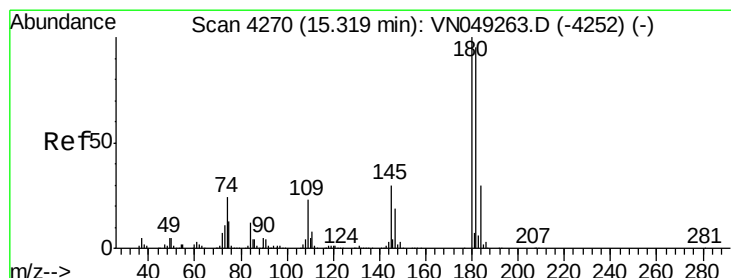
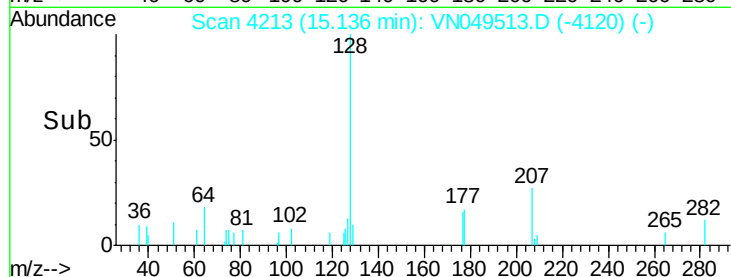
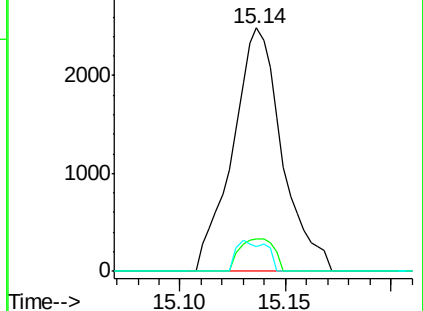
129 7.7 8.5 12.7#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 3.59 ug/l

RT: 15.31 min Scan# 4268

Delta R.T. -0.01 min

Lab File: VN049513.D

Acq: 25 Jun 2018 14:41

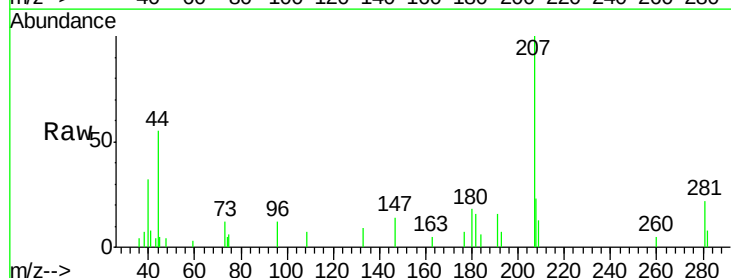
Tgt Ion:180 Resp: 1537

Ion Ratio Lower Upper

180 100

182 94.3 47.3 141.8

145 12.6 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

