

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062518\
 Data File : VN049512.D
 Acq On : 25 Jun 2018 14:15
 Operator : MD\SY
 Sample : VN0625WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0625WBL01

Quant Time: Jun 26 01:39:00 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	1659003	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	2493186	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2105450	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	652072	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	1049755	47.71	ug/l	0.00
Spiked Amount			Recovery	=	95.42%	
35) Dibromofluoromethane	7.59	113	948571	47.03	ug/l	0.00
Spiked Amount			Recovery	=	94.06%	
50) Toluene-d8	10.09	98	3517022	45.79	ug/l	0.00
Spiked Amount			Recovery	=	91.58%	
62) 4-Bromofluorobenzene	12.40	95	922347	36.32	ug/l	0.00
Spiked Amount			Recovery	=	72.64%	

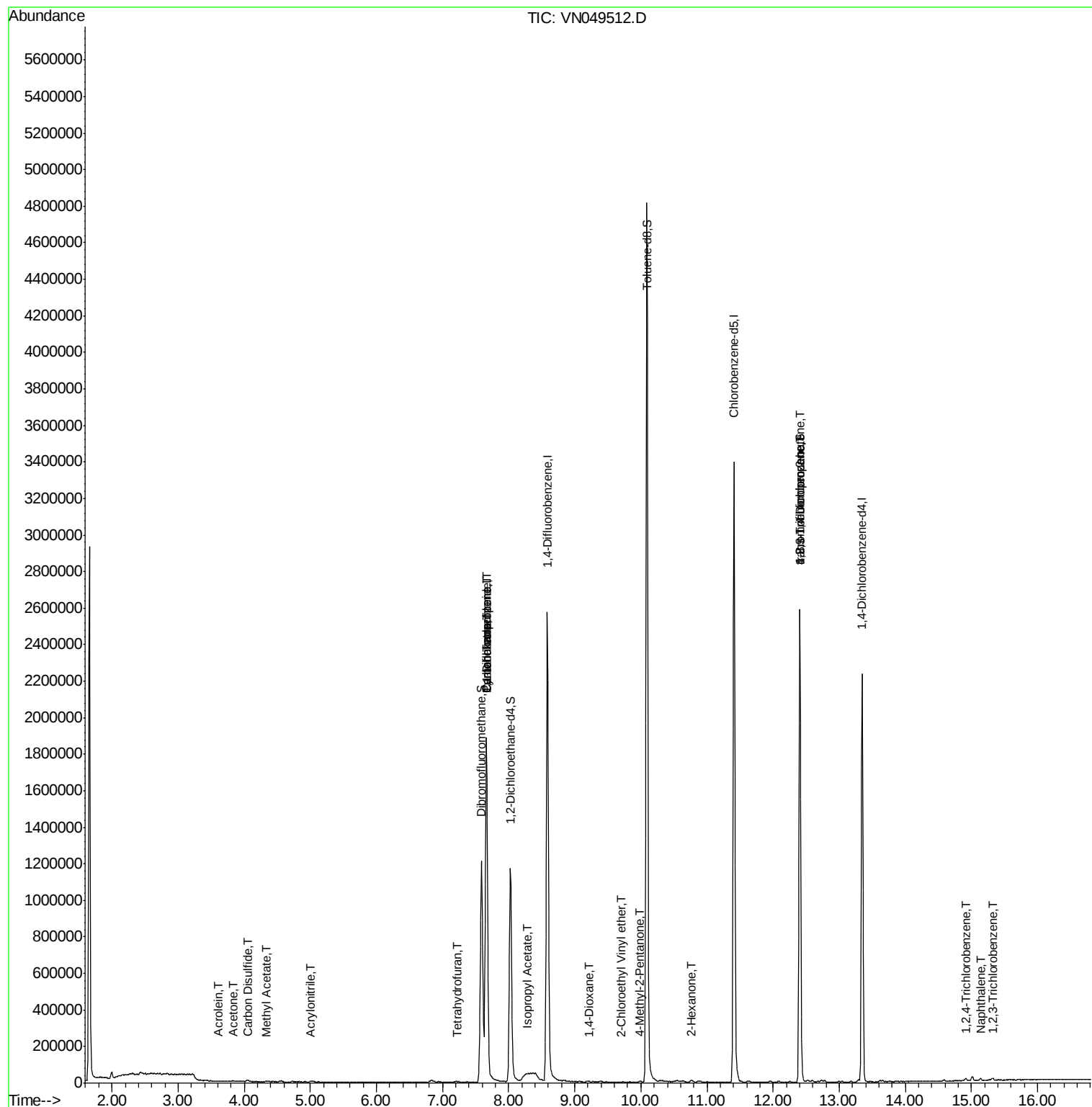
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.59	56	629	0.46	ug/l	86
15) Acrylonitrile	5.00	53	1370	0.21	ug/l #	50
16) Acetone	3.84	43	4335	0.81	ug/l #	89
17) Carbon Disulfide	4.04	76	13724	0.23	ug/l	95
18) Methyl Acetate	4.33	43	7441	0.46	ug/l #	80
29) Tetrahydrofuran	7.21	42	1554	0.34	ug/l #	77
31) Cyclohexane	7.67	56	30176	0.75	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	115050	4.03	ug/l #	51
38) Carbon Tetrachloride	7.66	117	147663	4.99	ug/l #	17
43) Isopropyl Acetate	8.27	43	57673	1.94	ug/l #	64
49) 1,4-Dioxane	9.21	88	728	3.77	ug/l #	82
51) 4-Methyl-2-Pentanone	9.99	43	4971	0.32	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.69	63	98	14.34	ug/l #	51
59) 2-Hexanone	10.76	43	7031	0.70	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.52	83	1037	Below Cal	#	93
76) 1,2,3-Trichloropropane	12.40	75	445400	40.03	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	445400	126.52	ug/l #	9
90) Hexachloroethane	13.88	117	316	Below Cal		93
93) 1,2,4-Trichlorobenzene	14.92	180	3982	5.07	ug/l	74
94) Hexachlorobutadiene	15.01	225	4497	Below Cal		92
95) Naphthalene	15.14	128	8823	2.57	ug/l	96
96) 1,2,3-Trichlorobenzene	15.32	180	4643	3.85	ug/l	96

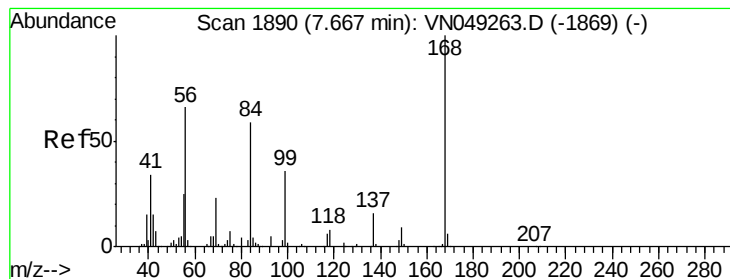
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN062518\
Data File : VN049512.D
Acq On : 25 Jun 2018 14:15
Operator : MD\SY
Sample : VN0625WBL01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
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ClientSampleId :
VN0625WBL01

Quant Time: Jun 26 01:39:00 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: 7.66 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VN049512.D

Acq: 25 Jun 2018 14:15

Instrument :

MSVOA_N

ClientSampleId :

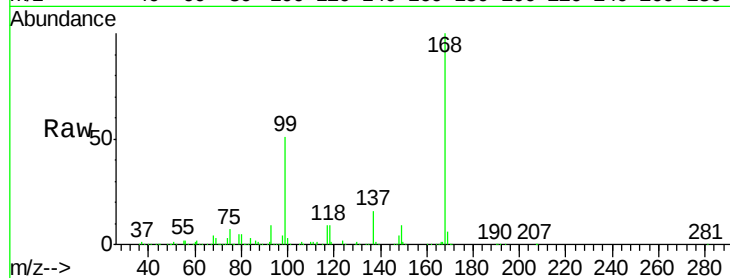
VN0625WBL01

Tot Ion:168 Resp: 1659003

Ion Ratio Lower Upper

168 100

99 51.2 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

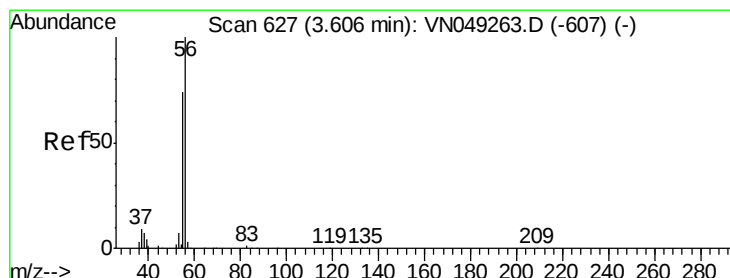
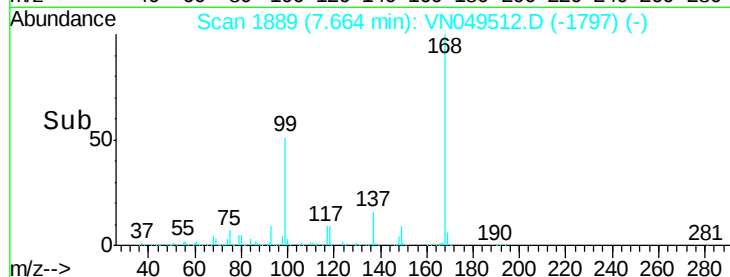
600000

400000

200000

0

Time--> 7.50 7.60 7.70 7.80



#13

Acrolein

Concen: 0.46 ug/l

RT: 3.59 min Scan# 623

Delta R.T. -0.01 min

Lab File: VN049512.D

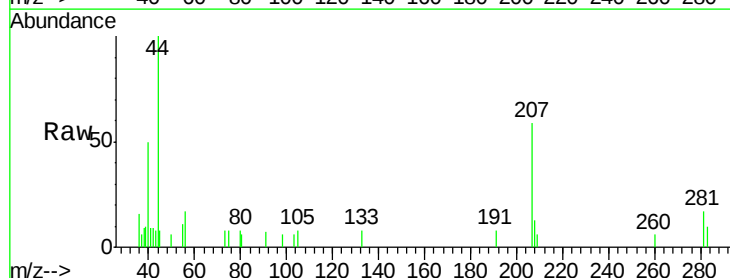
Acq: 25 Jun 2018 14:15

Tgt Ion: 56 Resp: 629

Ion Ratio Lower Upper

56 100

55 82.8 57.1 85.7



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.59

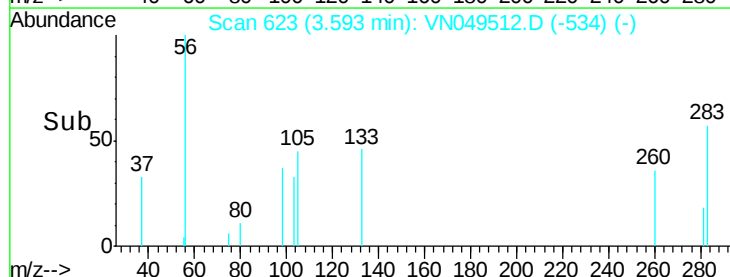
600

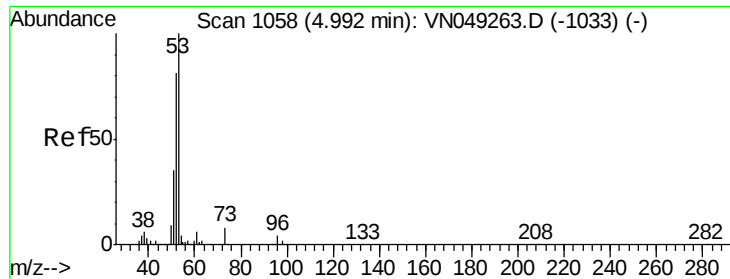
400

200

0

Time--> 3.56 3.58 3.60





#15

Acrylonitrile

Concen: 0.21 ug/l

RT: 5.00 min Scan# 1059

Delta R.T. 0.00 min

Lab File: VN049512.D

Acq: 25 Jun 2018 14:15

Instrument :

MSVOA_N

ClientSampled :

VN0625WBL01

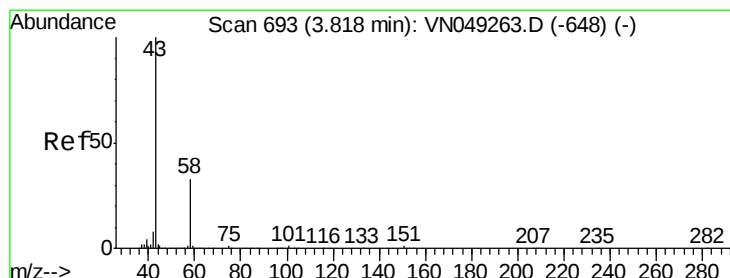
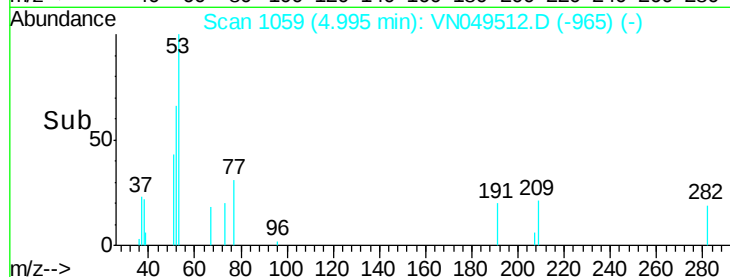
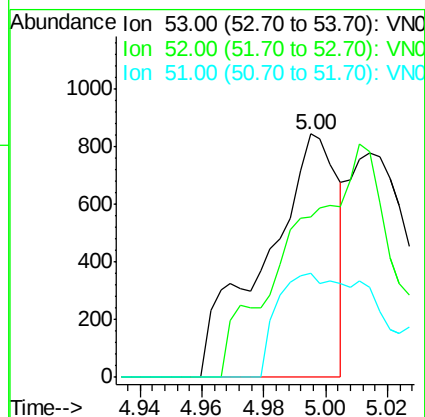
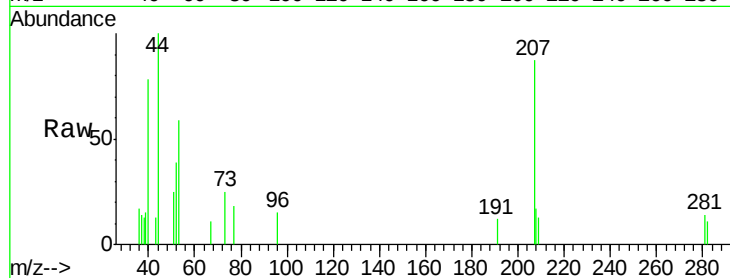
Tot Ion: 53 Resp: 1370

Ion Ratio Lower Upper

53 100

52 135.6 66.6 100.0#

51 56.5 29.8 44.8#



#16

Acetone

Concen: 0.81 ug/l

RT: 3.84 min Scan# 699

Delta R.T. 0.02 min

Lab File: VN049512.D

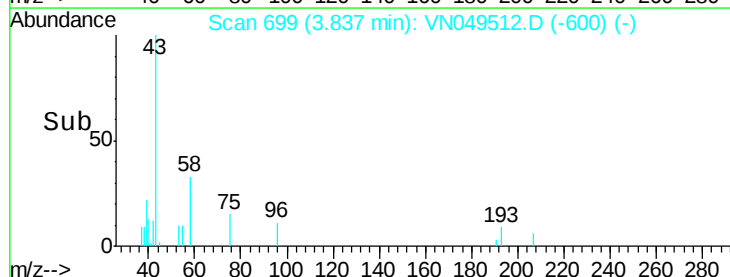
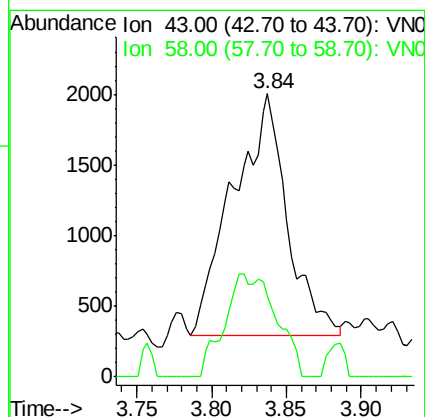
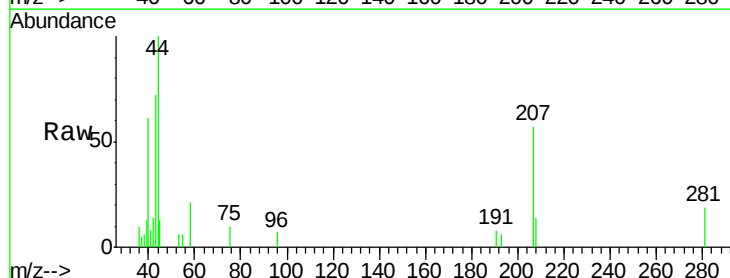
Acq: 25 Jun 2018 14:15

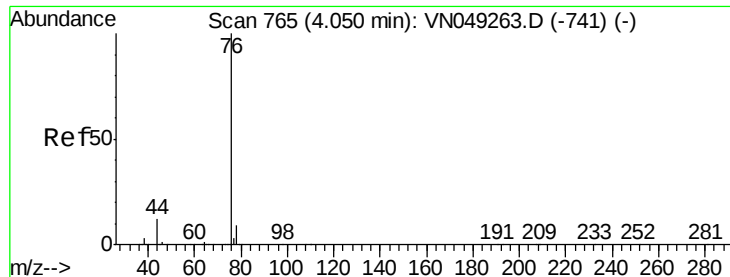
Tgt Ion: 43 Resp: 4335

Ion Ratio Lower Upper

43 100

58 33.6 22.4 33.6#





#17

Carbon Disulfide

Concen: 0.23 ug/l

RT: 4.04 min Scan# 763

Delta R.T. -0.01 min

Lab File: VN049512.D

Acq: 25 Jun 2018 14:15

Instrument :

MSVOA_N

ClientSampleId :

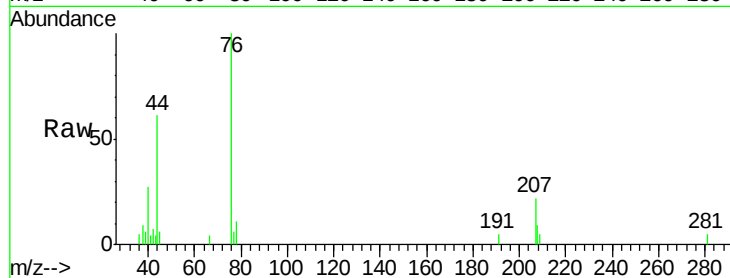
VN0625WBL01

Tot Ion: 76 Resp: 13724

Ion Ratio Lower Upper

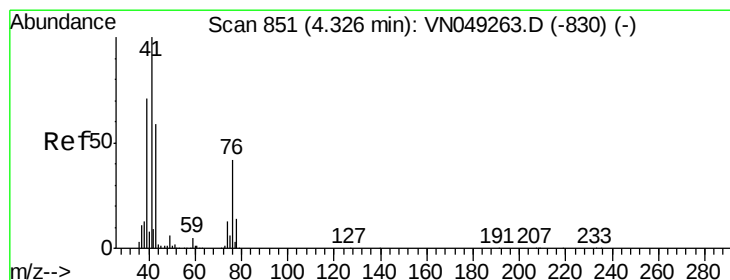
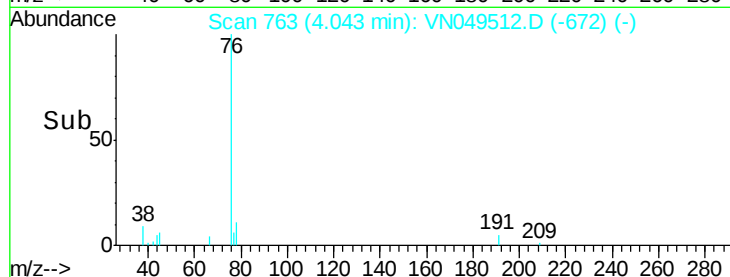
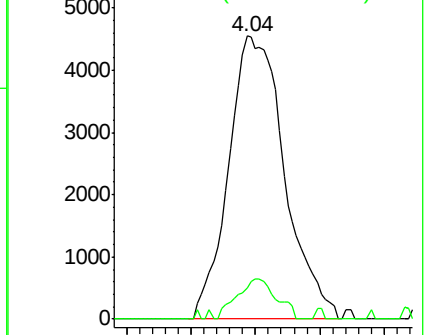
76 100

78 10.9 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 0.46 ug/l

RT: 4.33 min Scan# 851

Delta R.T. 0.00 min

Lab File: VN049512.D

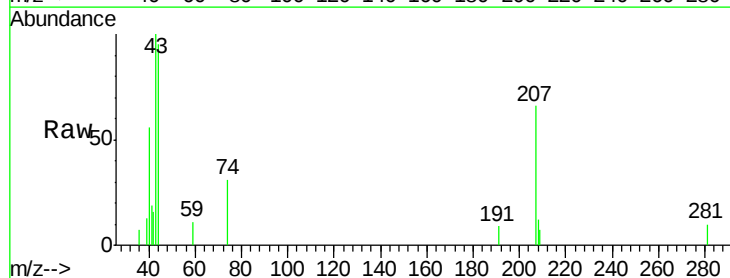
Acq: 25 Jun 2018 14:15

Tgt Ion: 43 Resp: 7441

Ion Ratio Lower Upper

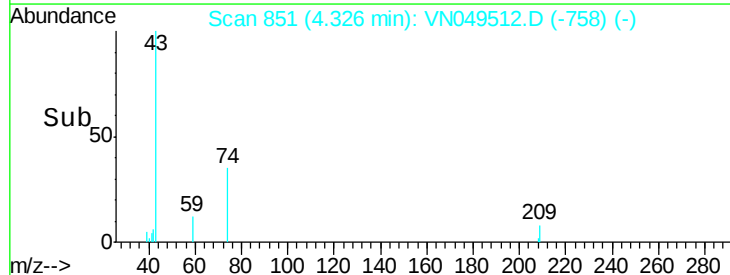
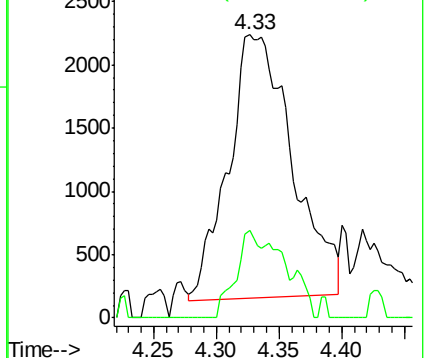
43 100

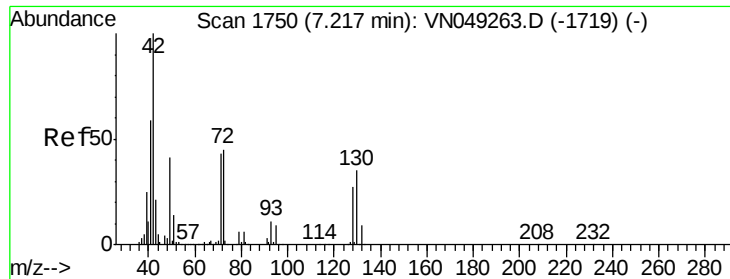
74 12.3 17.4 26.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





#29

Tetrahydrofuran

Concen: 0.34 ug/l

RT: 7.21 min Scan# 1749

Delta R.T. -0.00 min

Lab File: VN049512.D

Acq: 25 Jun 2018 14:15

Instrument :

MSVOA_N

ClientSampleId :

VN0625WBL01

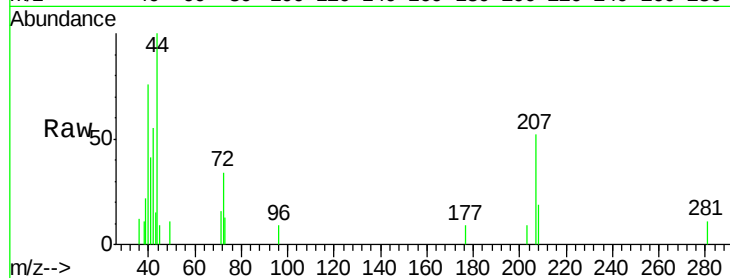
Tot Ion: 42 Resp: 1554

Ion Ratio Lower Upper

42 100

72 53.2 32.2 48.4#

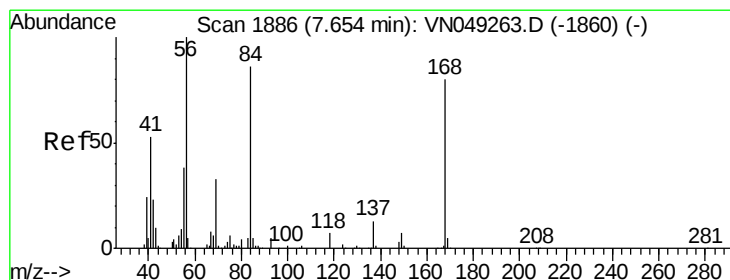
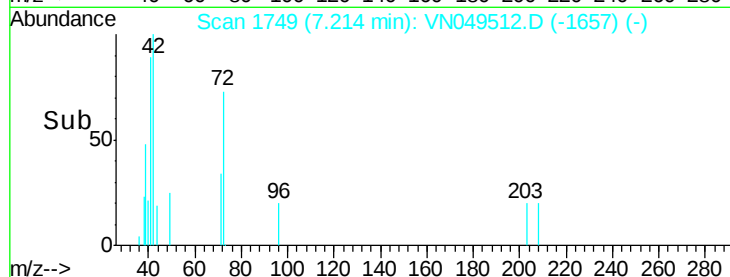
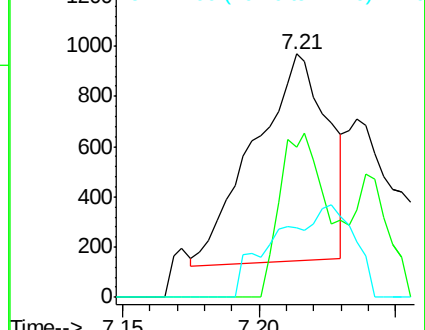
71 22.5 30.5 45.7#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#31

Cyclohexane

Concen: 0.75 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.01 min

Lab File: VN049512.D

Acq: 25 Jun 2018 14:15

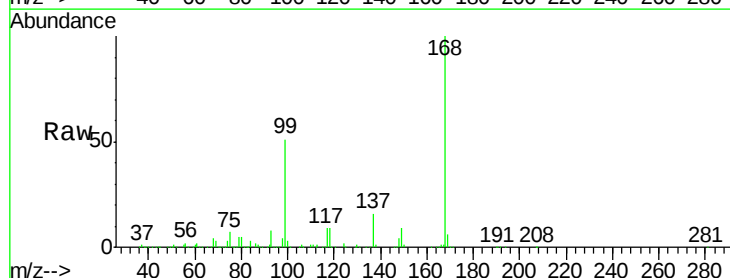
Tgt Ion: 56 Resp: 30176

Ion Ratio Lower Upper

56 100

69 180.5 25.0 37.4#

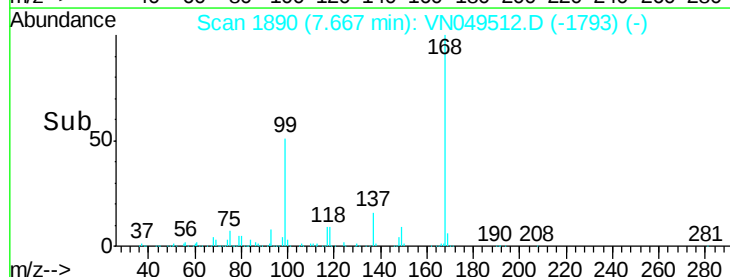
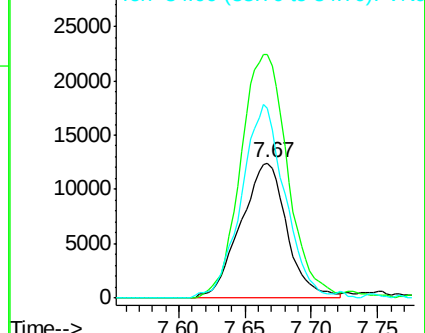
84 140.5 64.6 96.8#

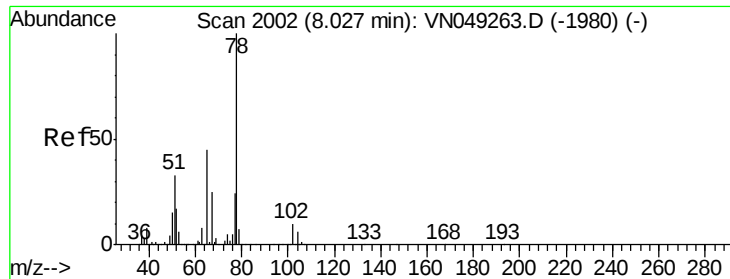


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0





#33

1,2-Dichloroethane-d4

Concen: 47.71 ug/l

RT: 8.03 min Scan# 2002

Delta R.T. 0.00 min

Lab File: VN049512.D

Acq: 25 Jun 2018 14:15

Instrument :

MSVOA_N

ClientSampleId :

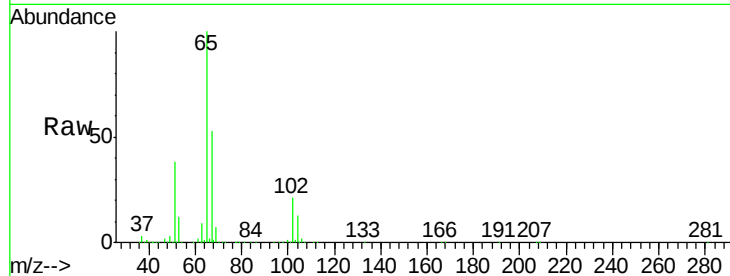
VN0625WBL01

Tot Ion: 65 Resp: 1049755

Ion Ratio Lower Upper

65 100

67 53.6 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

8.03

400000

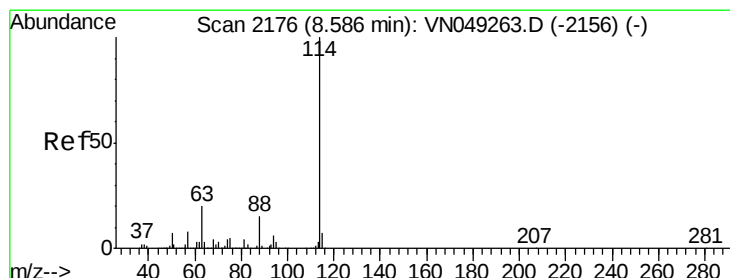
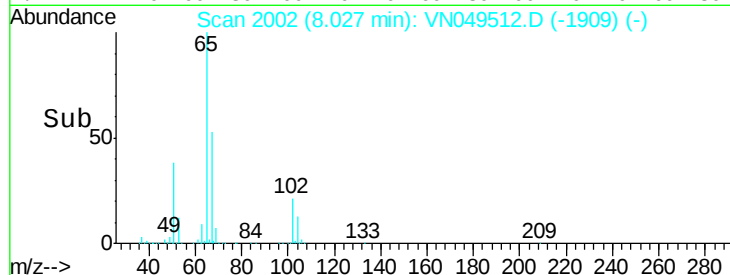
300000

200000

100000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.58 min Scan# 2175

Delta R.T. -0.00 min

Lab File: VN049512.D

Acq: 25 Jun 2018 14:15

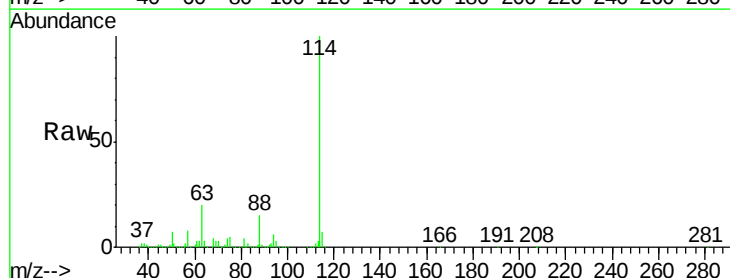
Tgt Ion: 114 Resp: 2493186

Ion Ratio Lower Upper

114 100

63 20.0 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): VN0

Ion 87.90 (87.60 to 88.60): VN0

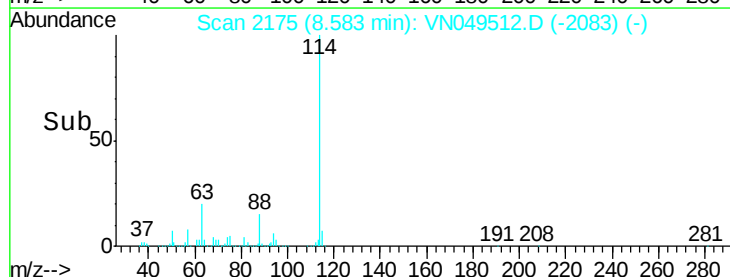
1500000

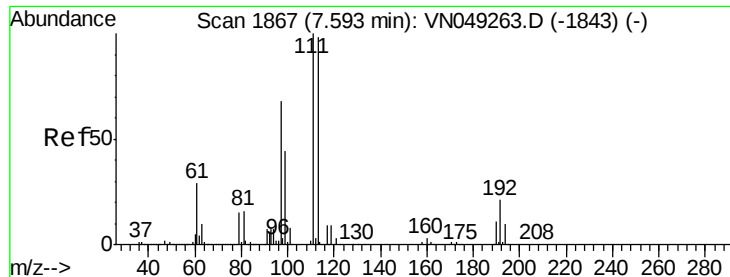
1000000

500000

0

Time-->

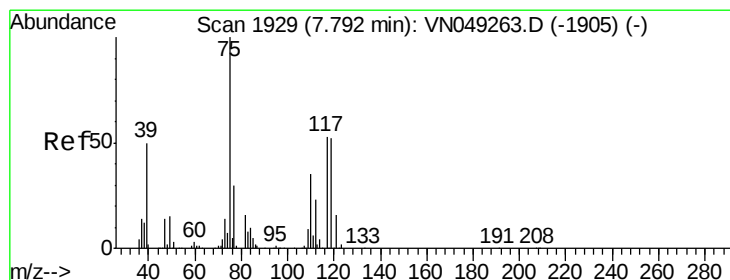
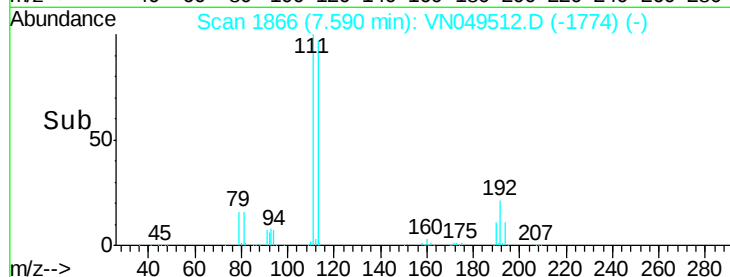
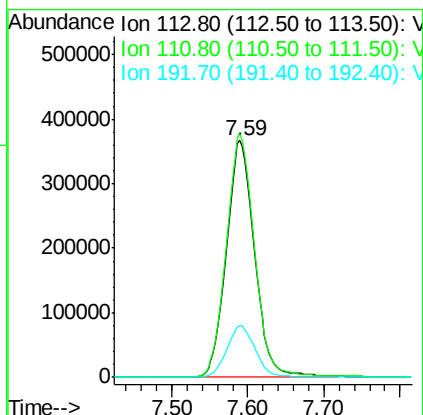
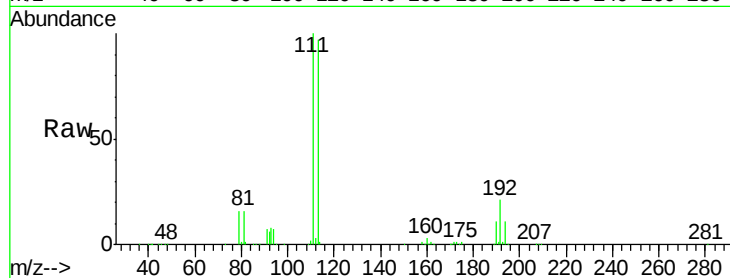




#35
 Dibromofluoromethane
 Concen: 47.03 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN049512.D
 Acq: 25 Jun 2018 14:15

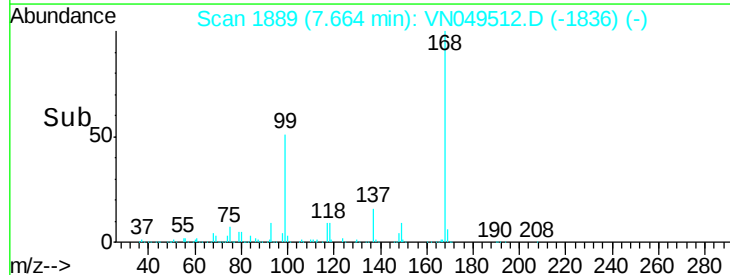
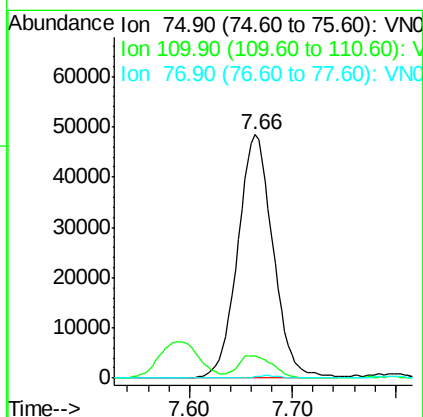
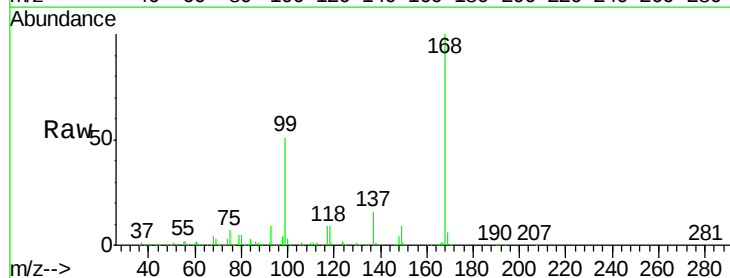
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0625WBL01

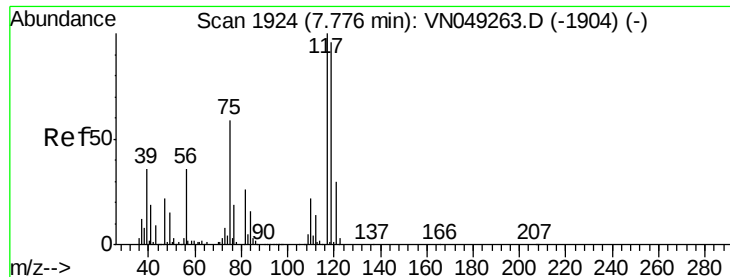
Tot Ion:113 Resp: 948571
 Ion Ratio Lower Upper
 113 100
 111 103.0 82.4 123.6
 192 22.0 15.0 22.6



#36
 1,1-Dichloropropene
 Concen: 4.03 ug/l
 RT: 7.66 min Scan# 1889
 Delta R.T. -0.13 min
 Lab File: VN049512.D
 Acq: 25 Jun 2018 14:15

Tgt Ion: 75 Resp: 115050
 Ion Ratio Lower Upper
 75 100
 110 9.2 17.0 50.9#
 77 0.6 24.4 36.6#





#38

Carbon Tetrachloride

Concen: 4.99 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. -0.11 min

Lab File: VN049512.D

Acq: 25 Jun 2018 14:15

Instrument :

MSVOA_N

ClientSampleId :

VN0625WBL01

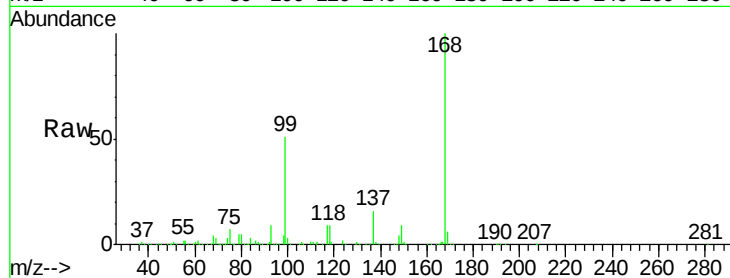
Tot Ion:117 Resp: 147663

Ion Ratio Lower Upper

117 100

119 5.7 75.6 113.4#

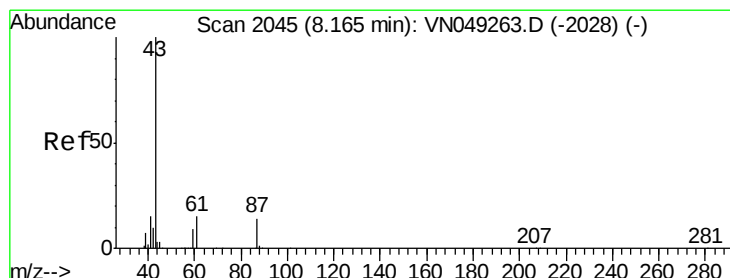
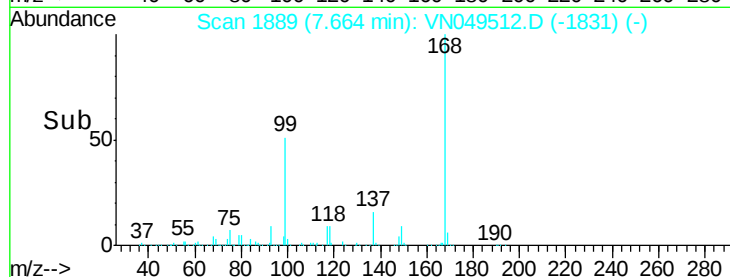
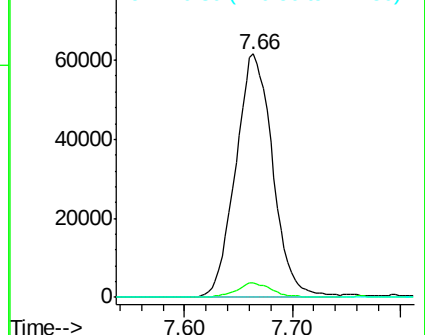
121 0.0 24.7 37.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 1.94 ug/l

RT: 8.27 min Scan# 2079

Delta R.T. 0.11 min

Lab File: VN049512.D

Acq: 25 Jun 2018 14:15

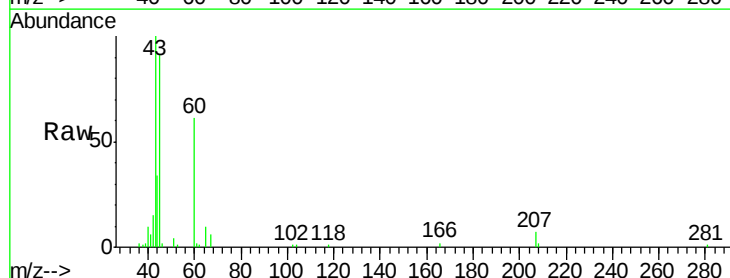
Tgt Ion: 43 Resp: 57673

Ion Ratio Lower Upper

43 100

61 0.0 14.2 21.4#

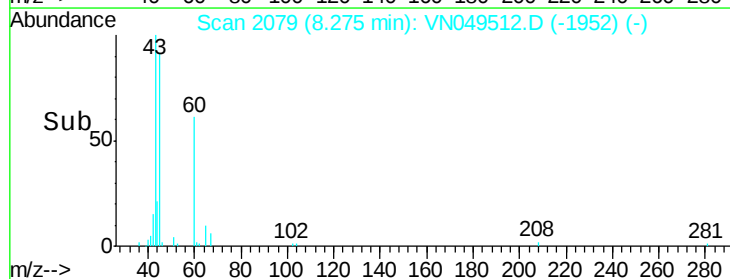
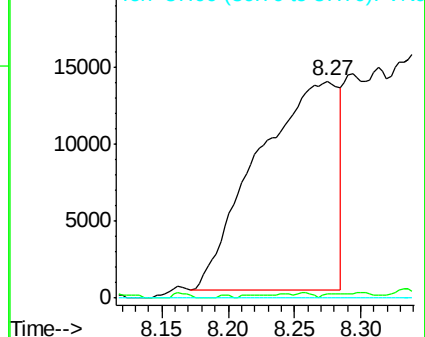
87 0.0 9.4 14.0#

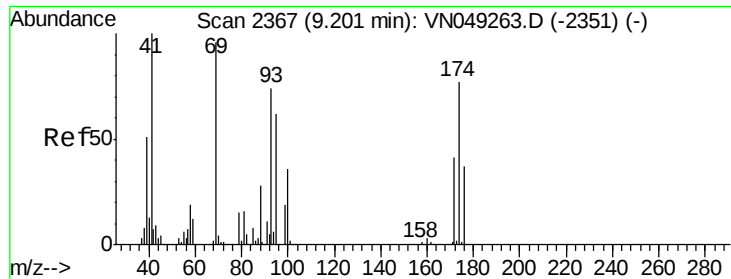


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

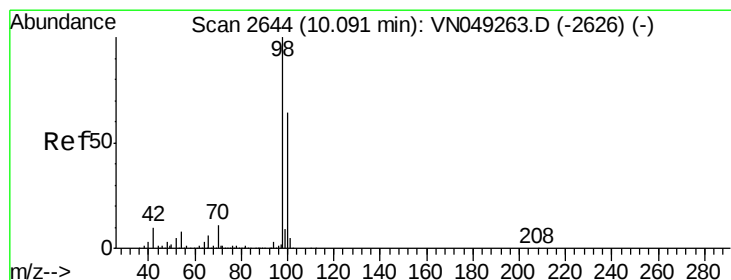
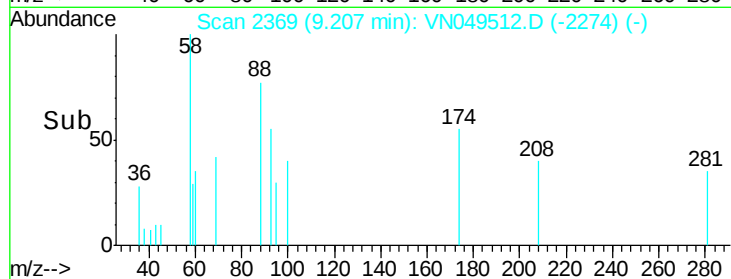
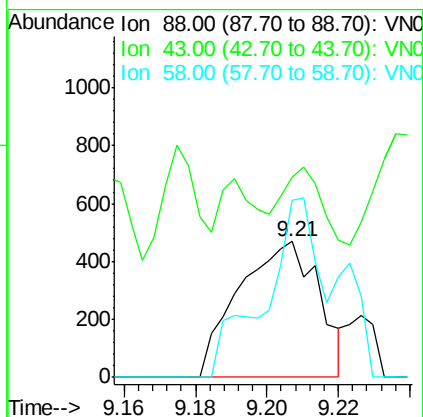
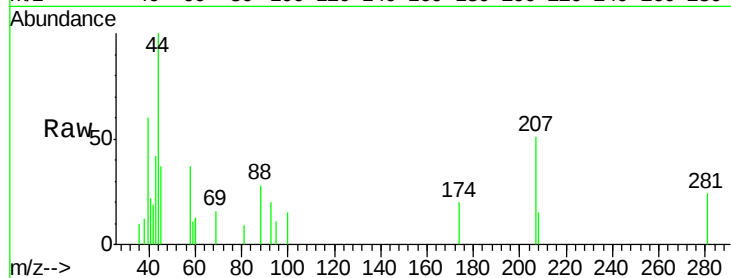




#49
1,4-Dioxane
Concen: 3.77 ug/l
RT: 9.21 min Scan# 2369
Delta R.T. 0.01 min
Lab File: VN049512.D
Acq: 25 Jun 2018 14:15

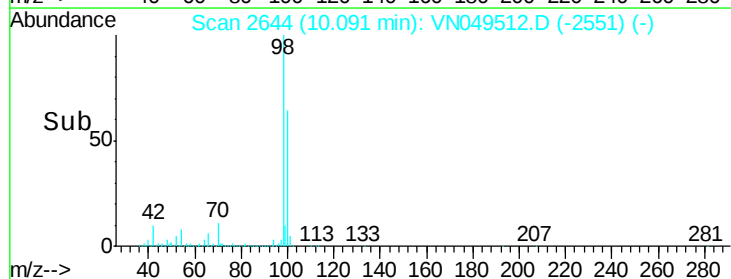
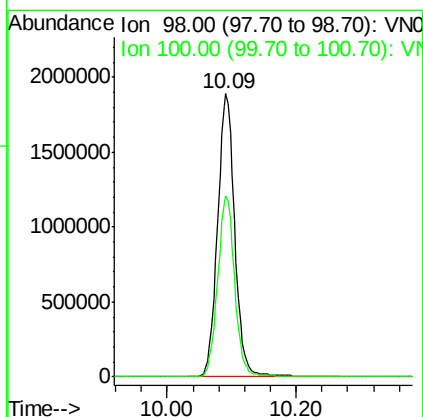
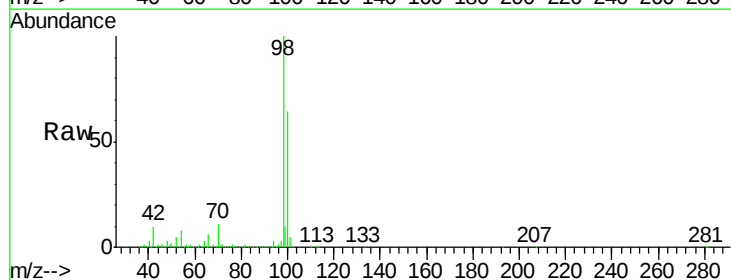
Instrument :
MSVOA_N
ClientSampled :
VN0625WBL01

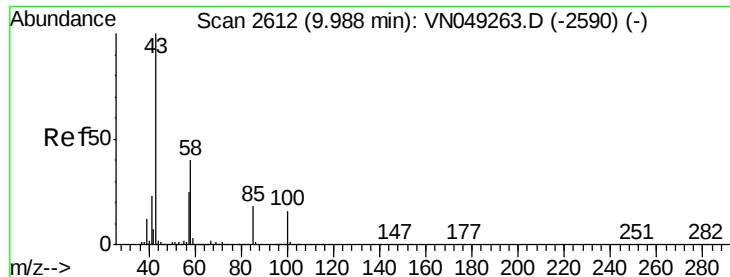
Tot Ion: 88 Resp: 728
Ion Ratio Lower Upper
88 100
43 26.5 30.9 46.3#
58 88.2 58.9 88.3



#50
Toluene-d8
Concen: 45.79 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049512.D
Acq: 25 Jun 2018 14:15

Tgt Ion: 98 Resp: 3517022
Ion Ratio Lower Upper
98 100
100 63.5 49.8 74.8





#51

4-Methyl-2-Pentanone

Concen: 0.32 ug/l

RT: 9.99 min Scan# 2613

Delta R.T. 0.00 min

Lab File: VN049512.D

Acq: 25 Jun 2018 14:15

Instrument :

MSVOA_N

ClientSampleId :

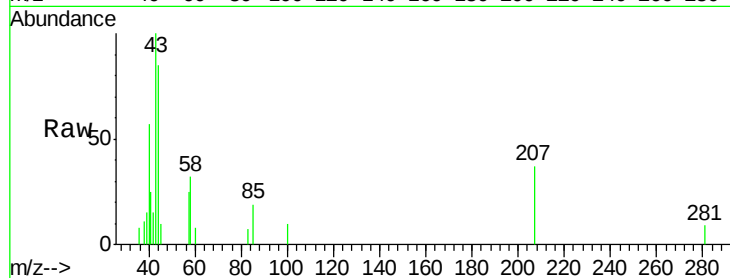
VN0625WBL01

Tot Ion: 43 Resp: 4971

Ion Ratio Lower Upper

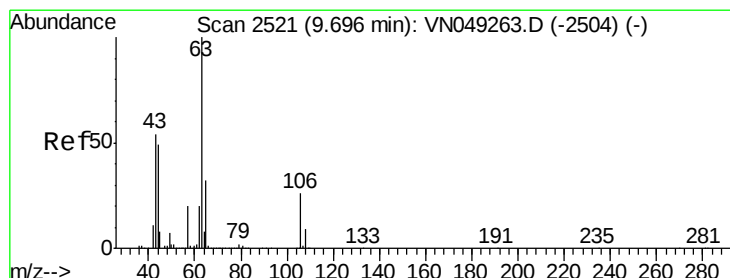
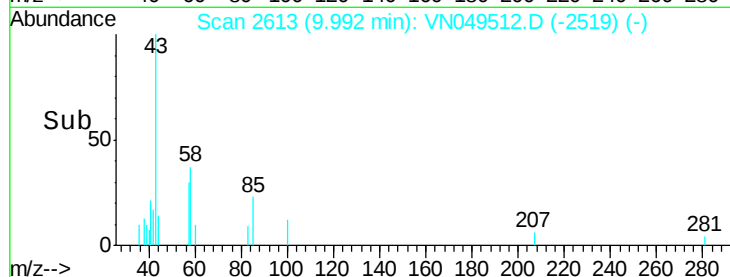
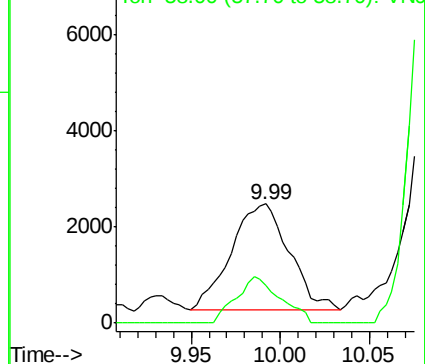
43 100

58 33.6 29.0 43.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 14.34 ug/l

RT: 9.69 min Scan# 2519

Delta R.T. -0.01 min

Lab File: VN049512.D

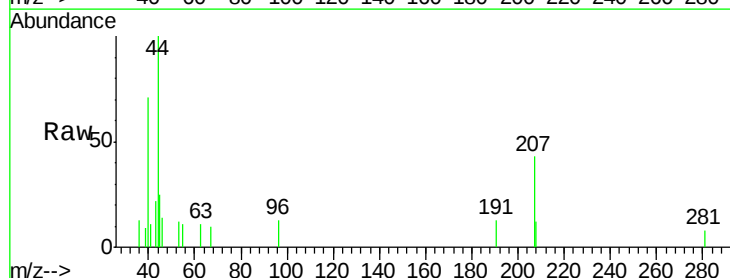
Acq: 25 Jun 2018 14:15

Tgt Ion: 63 Resp: 98

Ion Ratio Lower Upper

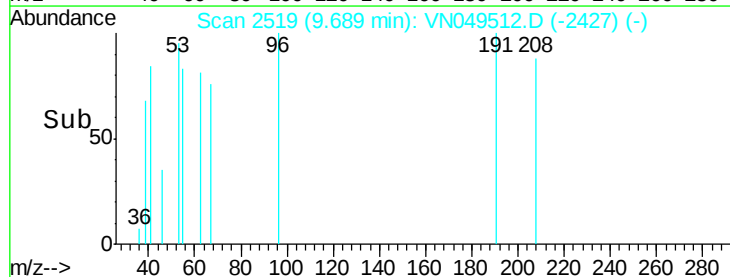
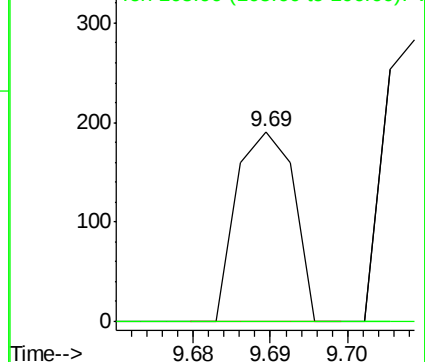
63 100

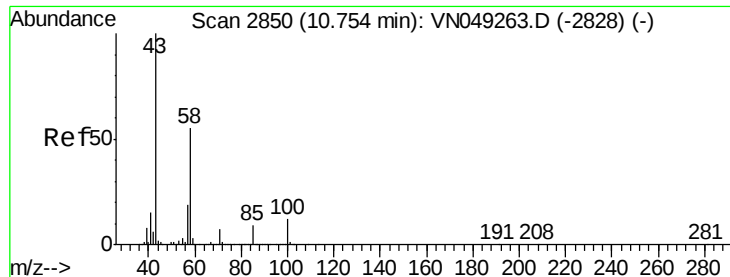
106 0.0 19.4 29.2#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





#59

2-Hexanone

Concen: 0.70 ug/l

RT: 10.76 min Scan# 2852

Delta R.T. 0.01 min

Lab File: VN049512.D

Acq: 25 Jun 2018 14:15

Instrument :

MSVOA_N

ClientSampleId :

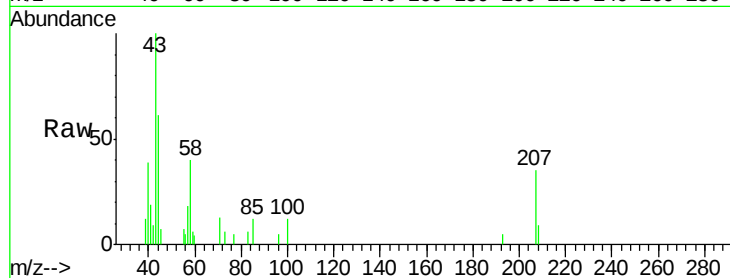
VN0625WBL01

Tot Ion: 43 Resp: 7031

Ion Ratio Lower Upper

43 100

58 54.3 25.2 75.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

10.76

3000

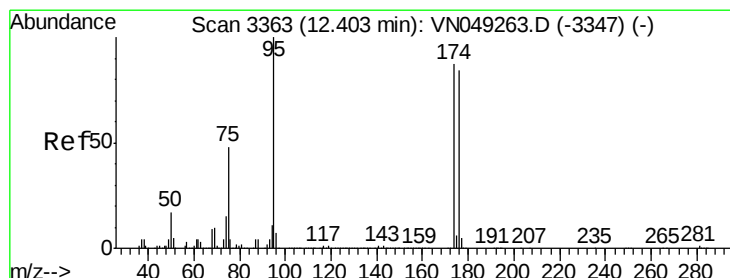
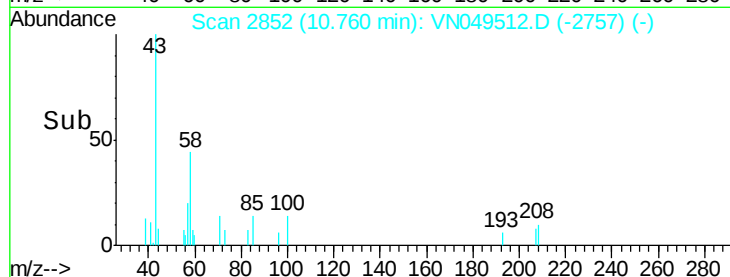
2000

1000

0

Time-->

10.70 10.75 10.80



#62

4-Bromofluorobenzene

Concen: 36.32 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049512.D

Acq: 25 Jun 2018 14:15

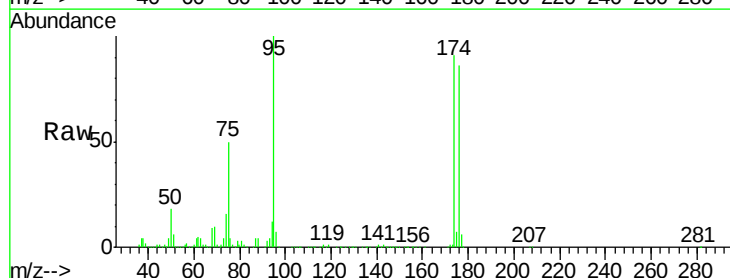
Tgt Ion: 95 Resp: 922347

Ion Ratio Lower Upper

95 100

174 89.9 0.0 165.6

176 85.0 0.0 157.4



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

600000

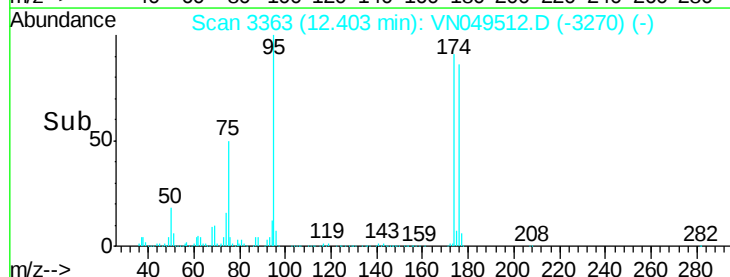
400000

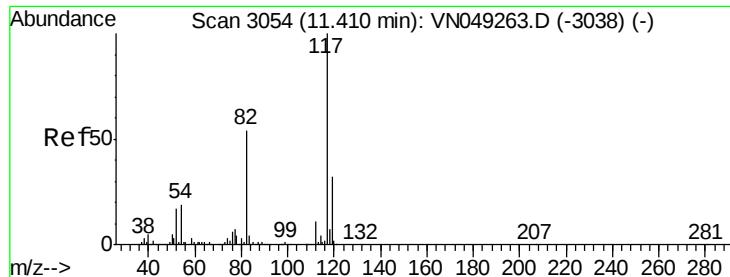
200000

0

Time-->

12.30 12.40 12.50





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN049512.D

Acq: 25 Jun 2018 14:15

Instrument :

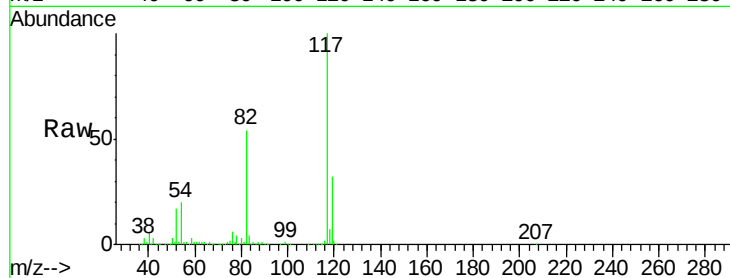
MSVOA_N

ClientSampleId :

VN0625WBL01

Tot Ion:117 Resp: 2105450

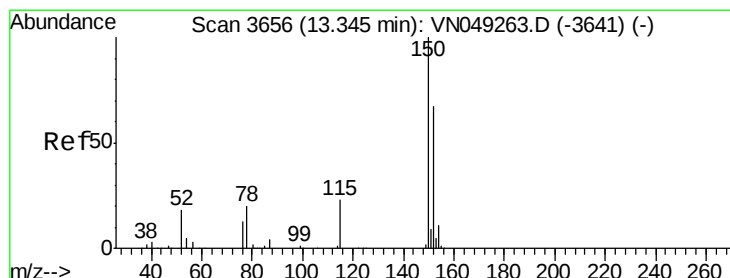
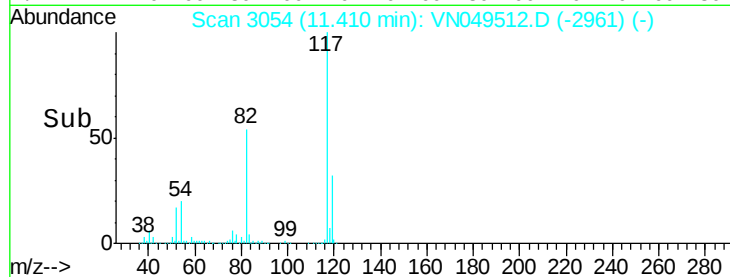
Ion	Ratio	Lower	Upper
117	100		
82	53.6	45.9	68.9
119	31.8	25.5	38.3



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3657

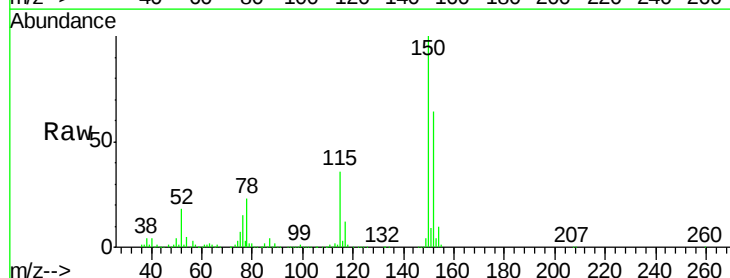
Delta R.T. 0.00 min

Lab File: VN049512.D

Acq: 25 Jun 2018 14:15

Tgt Ion:152 Resp: 652072

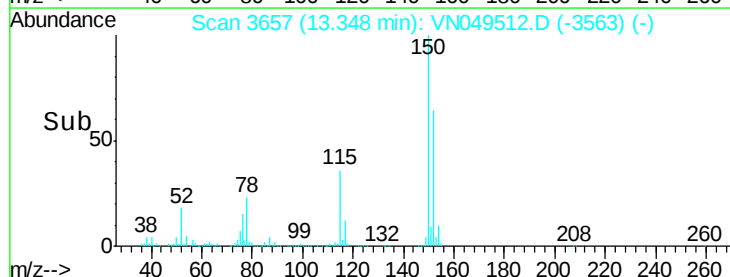
Ion	Ratio	Lower	Upper
152	100		
115	56.6	28.7	86.1
150	157.1	0.0	351.0

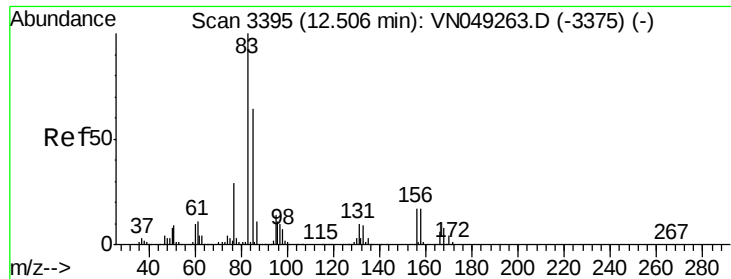


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.52 min Scan# 3398

Delta R.T. 0.01 min

Lab File: VN049512.D

Acq: 25 Jun 2018 14:15

Instrument :

MSVOA_N

ClientSampleId :

VN0625WBL01

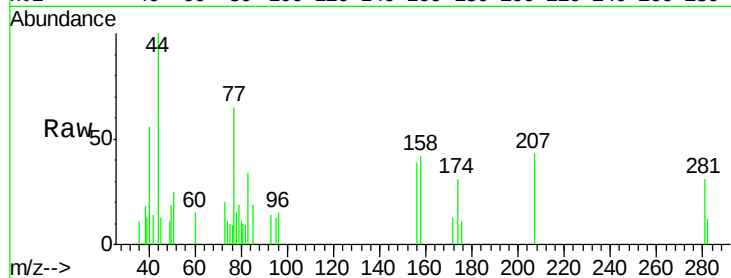
Tot Ion: 83 Resp: 1037

Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

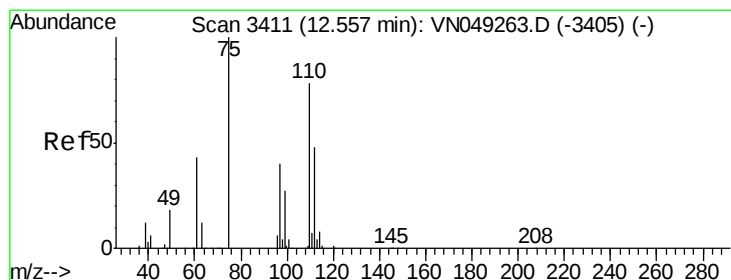
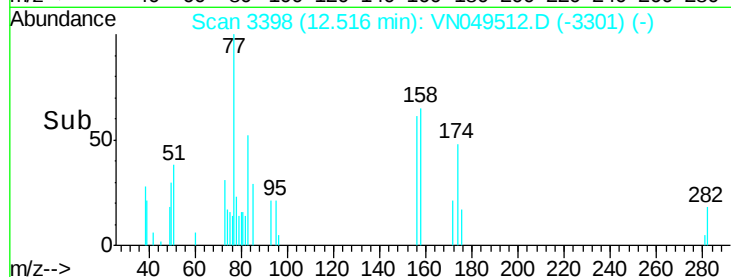
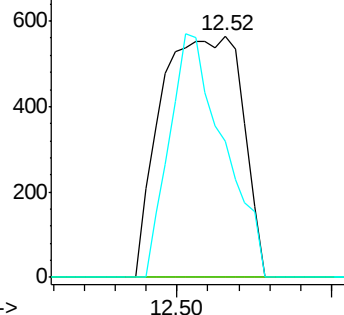
85 67.3 32.0 96.0



Abundance Ion 82.90 (82.60 to 83.60): VNC

Ion 130.80 (130.50 to 131.50): VNC

Ion 84.90 (84.60 to 85.60): VNC



#76

1,2,3-Trichloropropane

Concen: 40.03 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049512.D

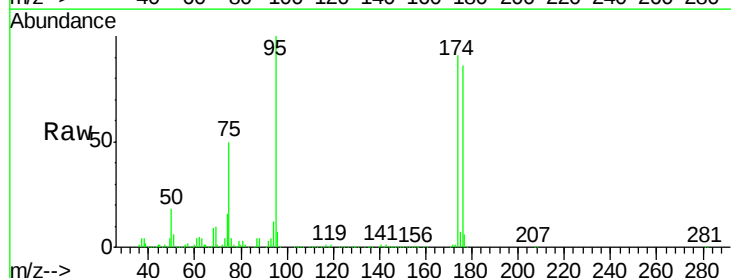
Acq: 25 Jun 2018 14:15

Tgt Ion: 75 Resp: 445400

Ion Ratio Lower Upper

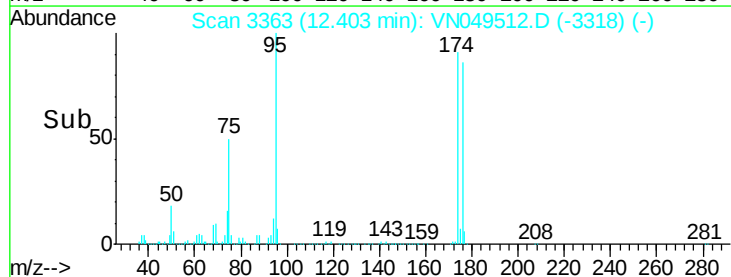
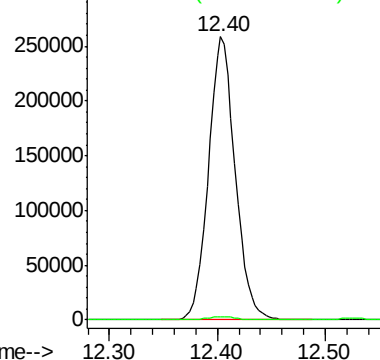
75 100

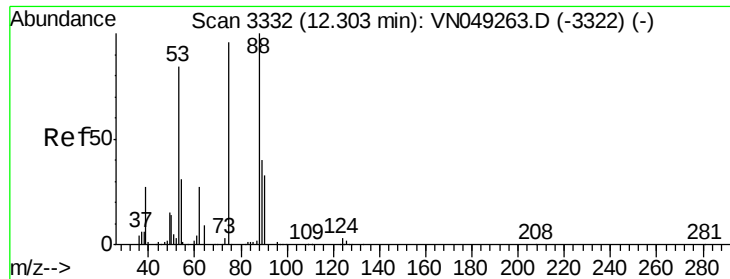
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNC

Ion 77.00 (76.70 to 77.70): VNC





#81

trans-1,4-Dichloro-2-butene

Concen: 126.52 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049512.D

Acq: 25 Jun 2018 14:15

Instrument :

MSVOA_N

ClientSampleId :

VN0625WBL01

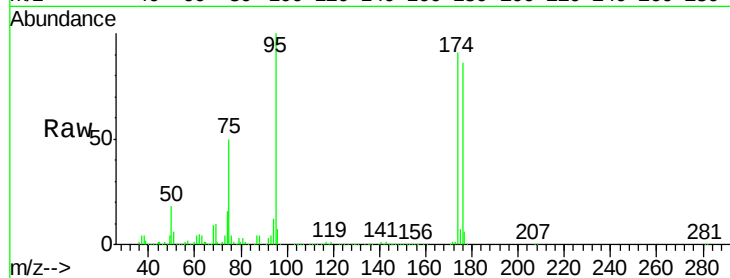
Tot Ion: 75 Resp: 445400

Ion Ratio Lower Upper

75 100

53 0.2 82.7 124.1#

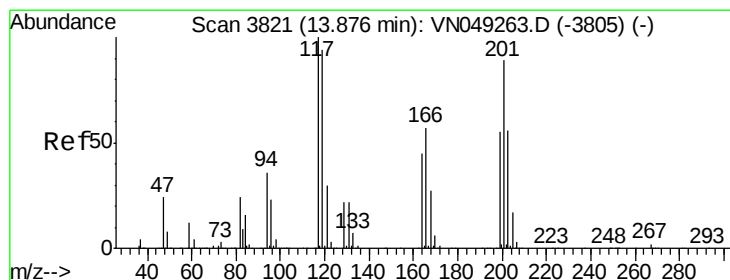
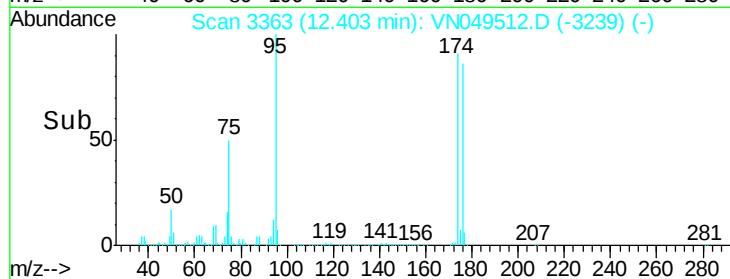
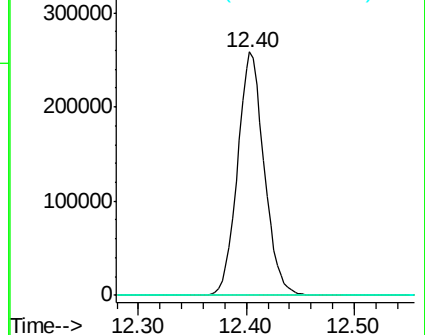
89 0.0 36.5 54.7#



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: 13.88 min Scan# 3821

Delta R.T. 0.00 min

Lab File: VN049512.D

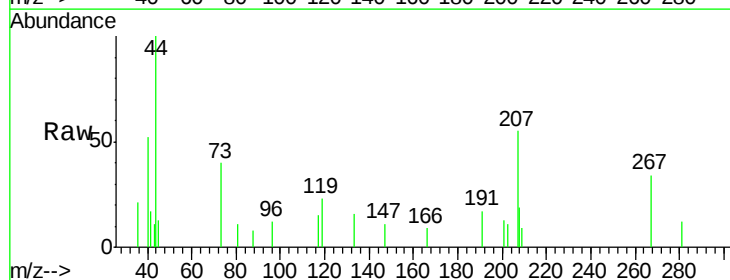
Acq: 25 Jun 2018 14:15

Tgt Ion: 117 Resp: 316

Ion Ratio Lower Upper

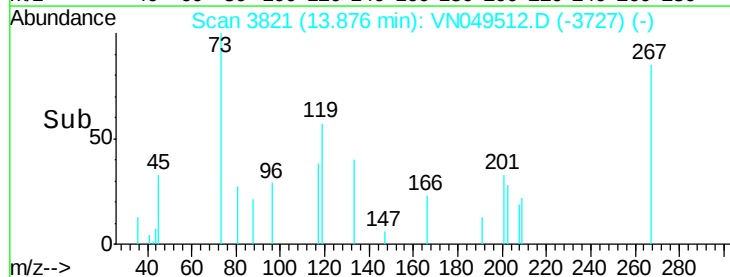
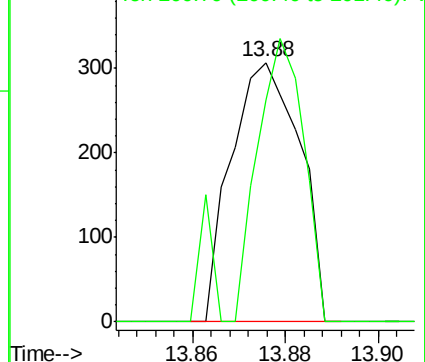
117 100

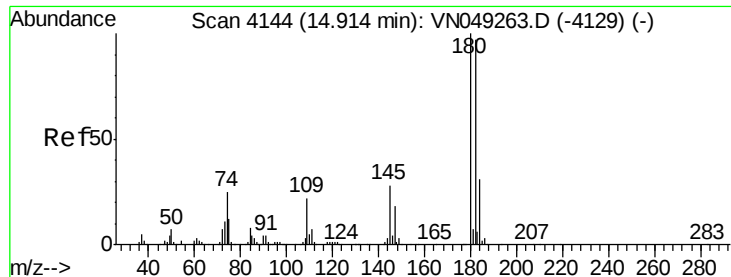
201 74.1 40.1 120.2



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

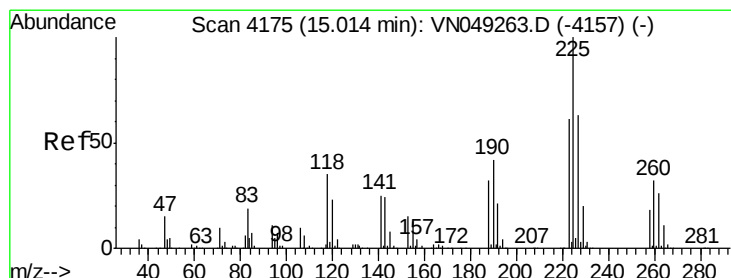
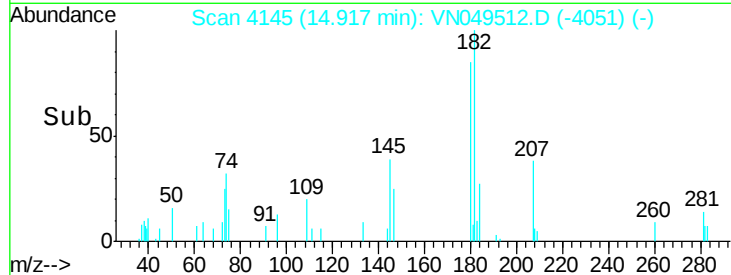
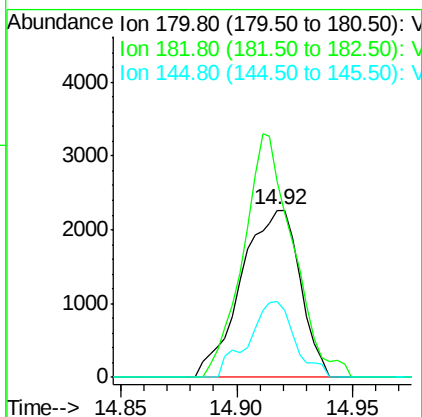
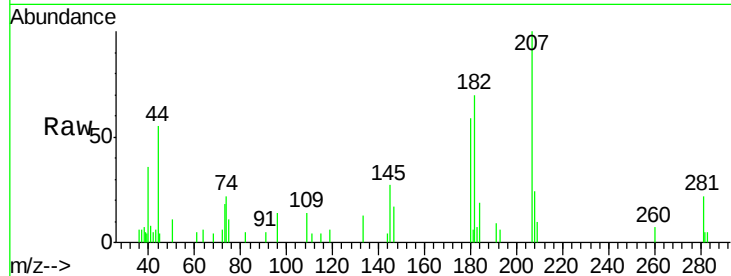




#93
 1,2,4-Trichlorobenzene
 Concen: 5.07 ua/l
 RT: 14.92 min Scan# 4145
 Delta R.T. 0.00 min
 Lab File: VN049512.D
 Acq: 25 Jun 2018 14:15

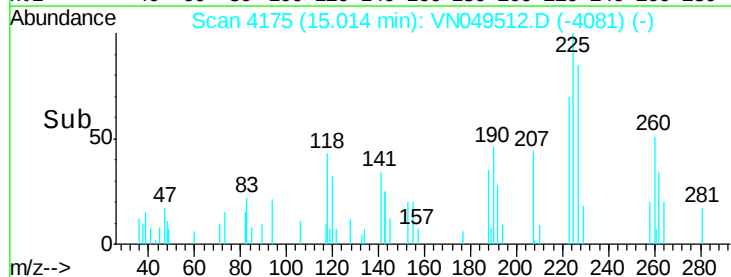
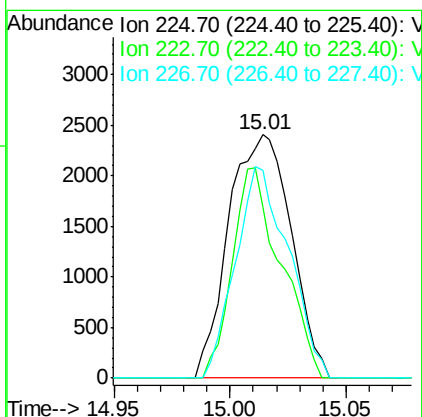
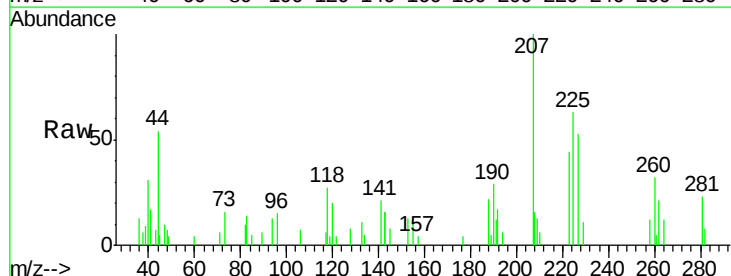
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0625WBL01

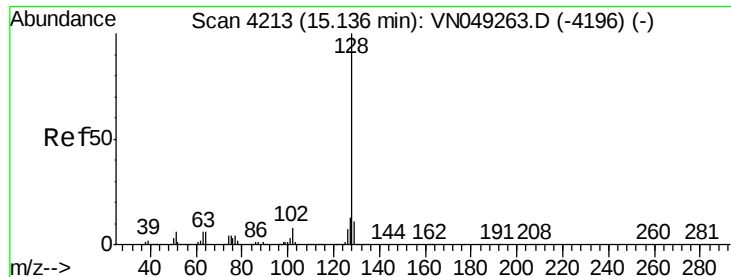
Tot Ion:180 Resp: 3982
 Ion Ratio Lower Upper
 180 100
 182 123.7 46.9 140.8
 145 35.6 14.7 44.1



#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN049512.D
 Acq: 25 Jun 2018 14:15

Tgt Ion:225 Resp: 4497
 Ion Ratio Lower Upper
 225 100
 223 66.9 32.1 96.3
 227 73.7 31.8 95.3





#95

Naphthalene

Concen: 2.57 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049512.D

Acq: 25 Jun 2018 14:15

Instrument :

MSVOA_N

ClientSampled :

VN0625WBL01

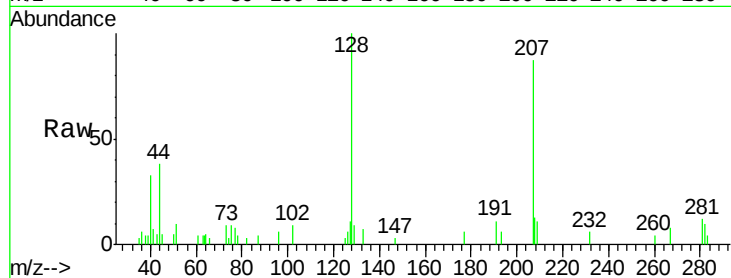
Tot Ion:128 Resp: 8823

Ion Ratio Lower Upper

128 100

127 15.3 10.6 16.0

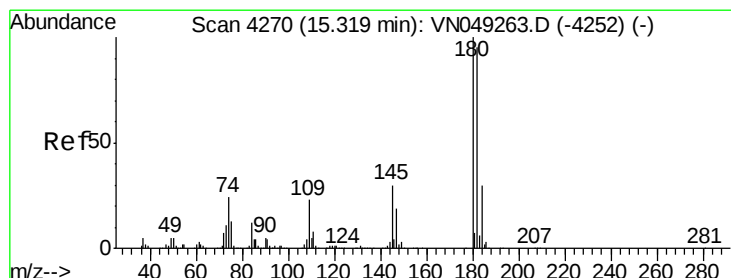
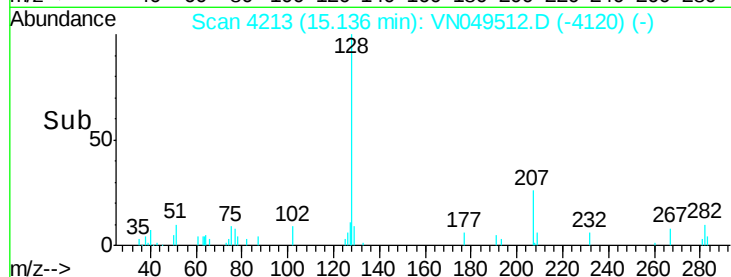
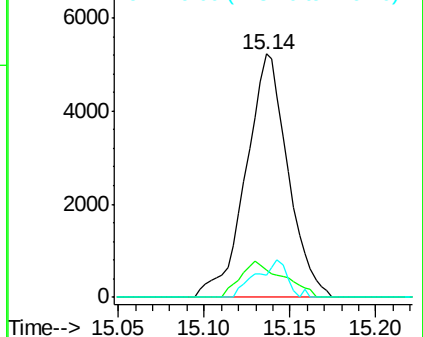
129 11.4 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 3.85 ug/l

RT: 15.32 min Scan# 4271

Delta R.T. 0.00 min

Lab File: VN049512.D

Acq: 25 Jun 2018 14:15

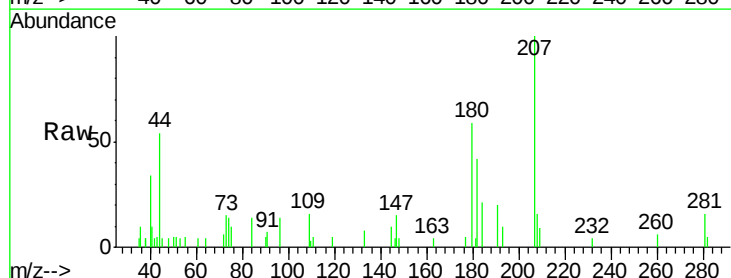
Tgt Ion:180 Resp: 4643

Ion Ratio Lower Upper

180 100

182 97.1 47.3 141.8

145 27.5 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

