

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062518\
 Data File : VN049531.D
 Acq On : 26 Jun 2018 00:55
 Operator : MD\SY
 Sample : VN0625WBL02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0625WBL02

Quant Time: Jun 26 03:30:56 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	1566499	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2482818	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2093136	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	619199	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	1057261	50.89	ug/l	0.00
Spiked Amount			Recovery	=	101.78%	
35) Dibromofluoromethane	7.59	113	959130	47.75	ug/l	0.00
Spiked Amount			Recovery	=	95.50%	
50) Toluene-d8	10.09	98	3473256	45.41	ug/l	0.00
Spiked Amount			Recovery	=	90.82%	
62) 4-Bromofluorobenzene	12.40	95	890245	35.20	ug/l	0.00
Spiked Amount			Recovery	=	70.40%	

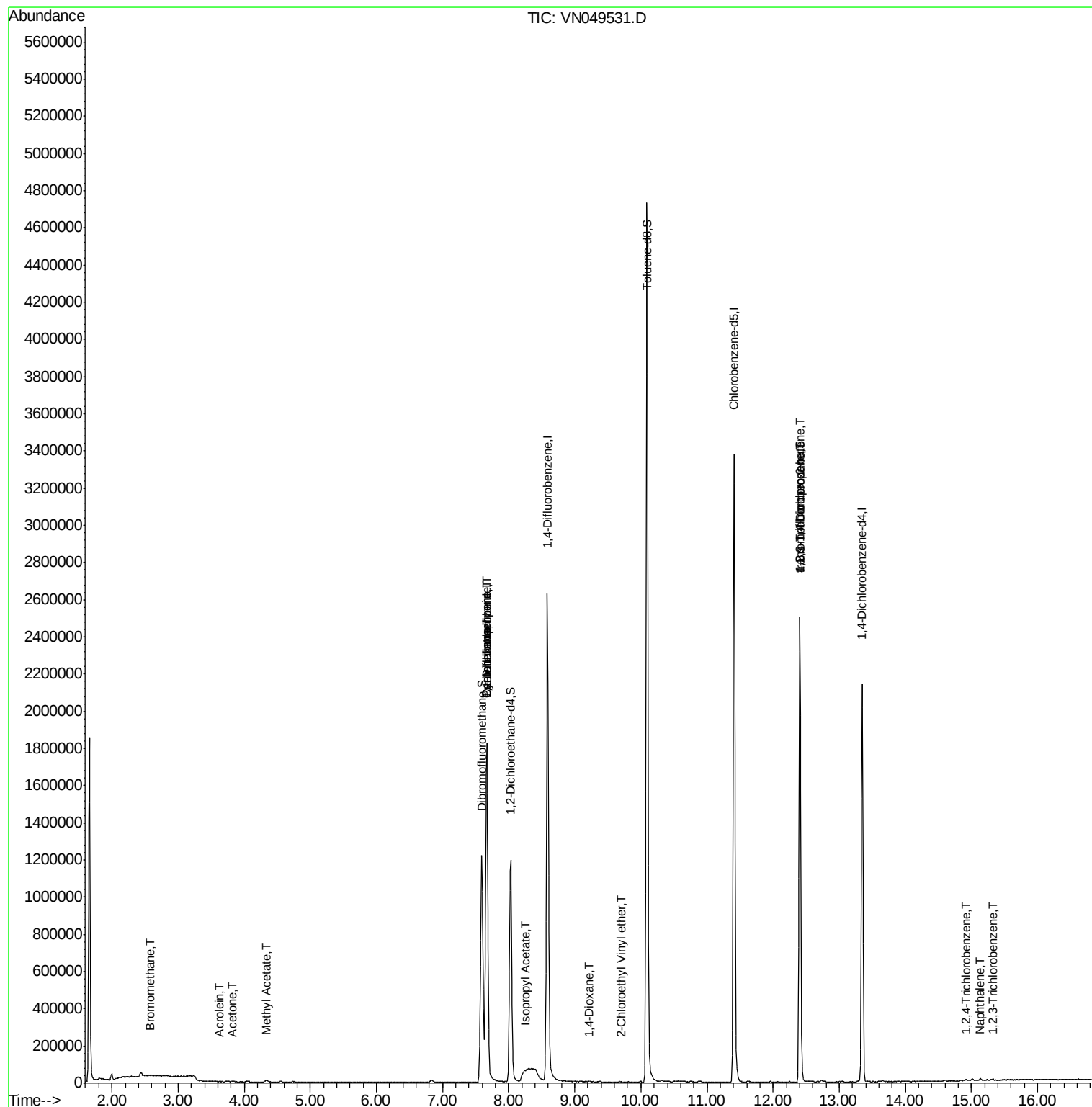
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.58	94	5084	0.39	ug/l #	80
13) Acrolein	3.62	56	884	0.69	ug/l	91
16) Acetone	3.81	43	1492	0.30	ug/l #	82
18) Methyl Acetate	4.34	43	20331	1.32	ug/l #	91
31) Cyclohexane	7.67	56	29368	0.78	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	111852	3.93	ug/l #	51
38) Carbon Tetrachloride	7.67	117	141312	4.80	ug/l #	18
43) Isopropyl Acetate	8.25	43	67683	2.29	ug/l #	64
49) 1,4-Dioxane	9.21	88	220	1.15	ug/l #	55
58) 2-Chloroethyl Vinyl ether	9.69	63	29	14.33	ug/l #	51
75) 1,1,2,2-Tetrachloroethane	12.51	83	378	Below Cal	#	50
76) 1,2,3-Trichloropropane	12.40	75	433926	41.07	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	433926	129.81	ug/l #	9
90) Hexachloroethane	13.87	117	177	Below Cal	#	9
93) 1,2,4-Trichlorobenzene	14.91	180	2522	4.96	ug/l	97
94) Hexachlorobutadiene	15.01	225	1473	Below Cal		88
95) Naphthalene	15.14	128	5821	2.42	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	2392	3.67	ug/l	91

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

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049531.D

Acq: 26 Jun 2018 00:55

Instrument :

MSVOA_N

ClientSampleId :

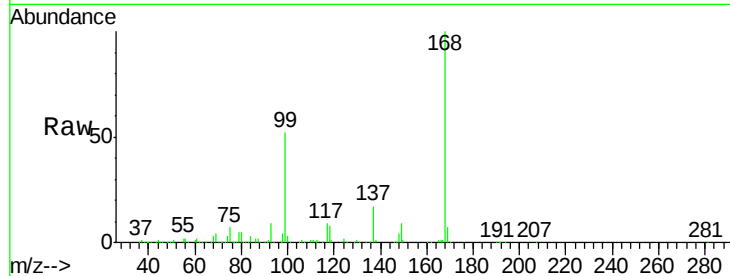
VN0625WBL02

Tot Ion:168 Resp: 1566499

Ion Ratio Lower Upper

168 100

99 52.3 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

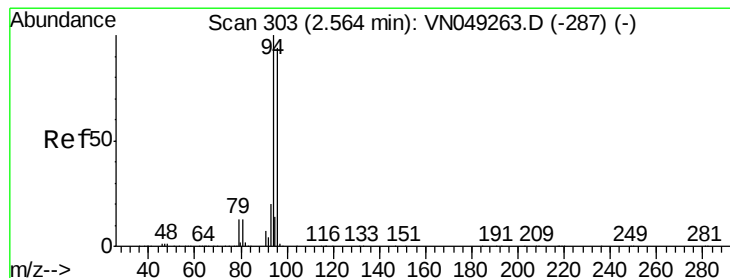
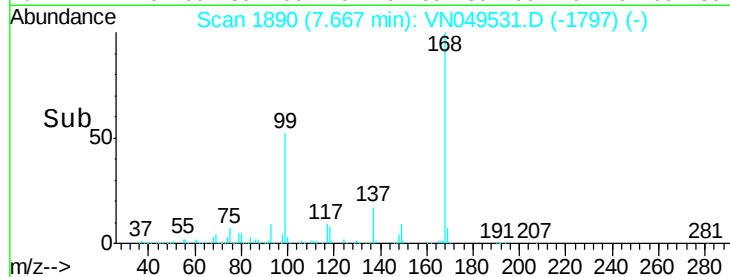
600000

400000

200000

0

Time--> 7.50 7.60 7.70 7.80



#5

Bromomethane

Concen: 0.39 ug/l

RT: 2.58 min Scan# 307

Delta R.T. 0.01 min

Lab File: VN049531.D

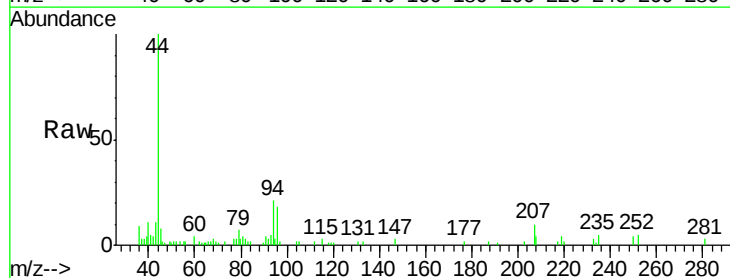
Acq: 26 Jun 2018 00:55

Tgt Ion: 94 Resp: 5084

Ion Ratio Lower Upper

94 100

96 71.8 72.8 109.2#



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.58

3000

2500

2000

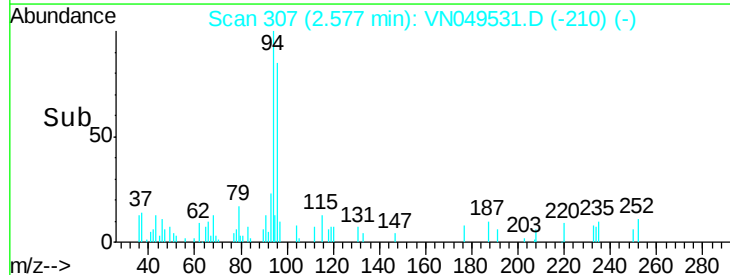
1500

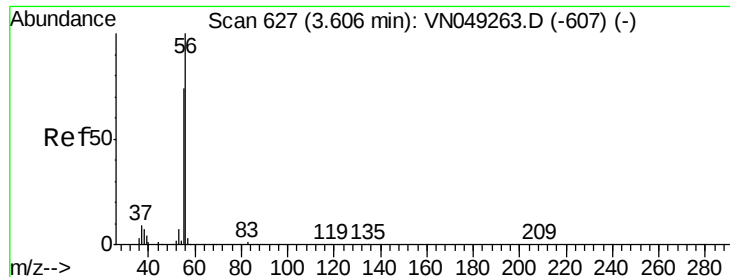
1000

500

0

Time--> 2.55 2.60 2.65





#13

Acrolein

Concen: 0.69 ug/l

RT: 3.62 min Scan# 630

Delta R.T. 0.01 min

Lab File: VN049531.D

Acq: 26 Jun 2018 00:55

Instrument :

MSVOA_N

ClientSampleId :

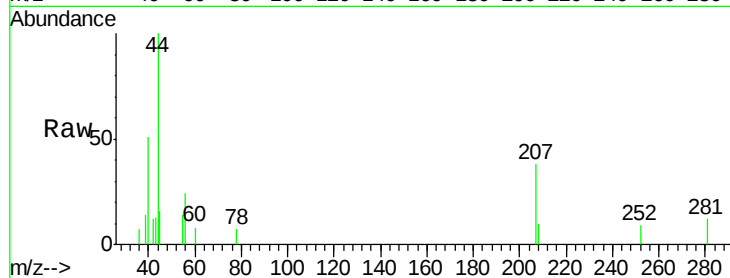
VN0625WBL02

Tot Ion: 56 Resp: 884

Ion Ratio Lower Upper

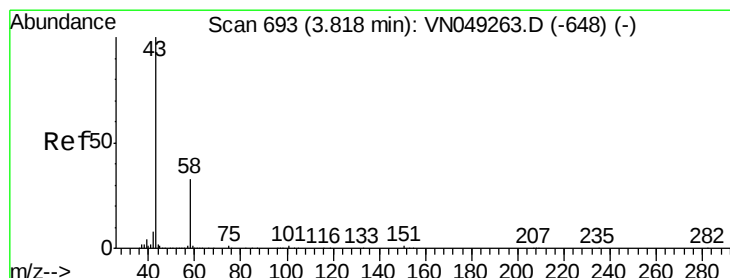
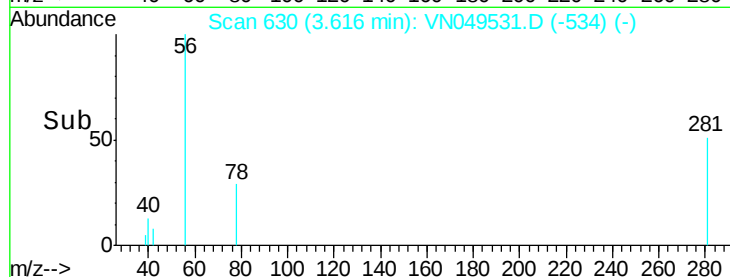
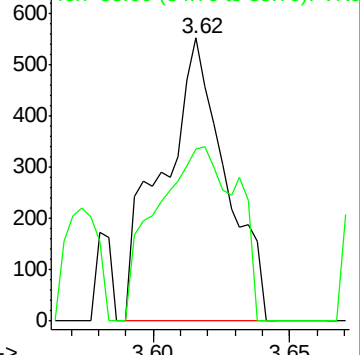
56 100

55 79.1 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: 0.30 ug/l

RT: 3.81 min Scan# 691

Delta R.T. -0.01 min

Lab File: VN049531.D

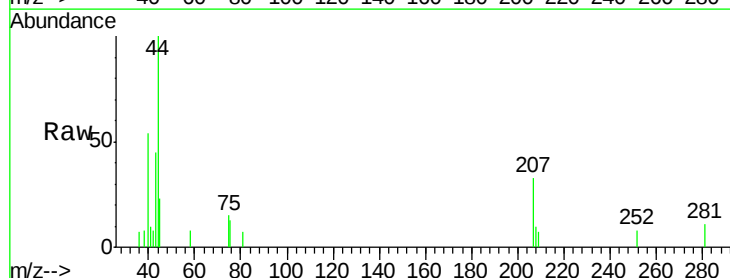
Acq: 26 Jun 2018 00:55

Tgt Ion: 43 Resp: 1492

Ion Ratio Lower Upper

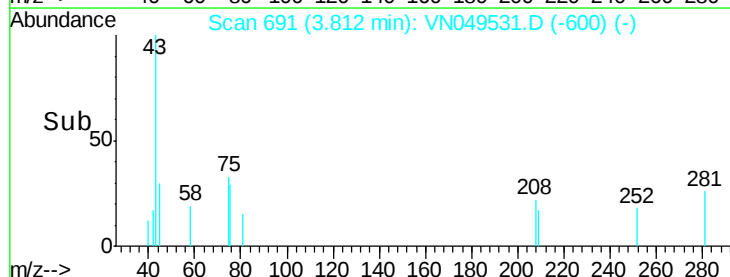
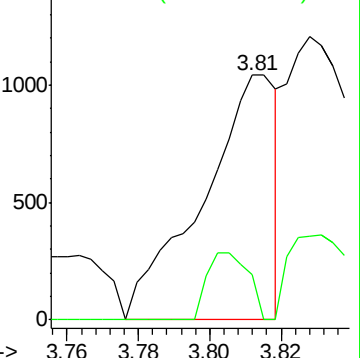
43 100

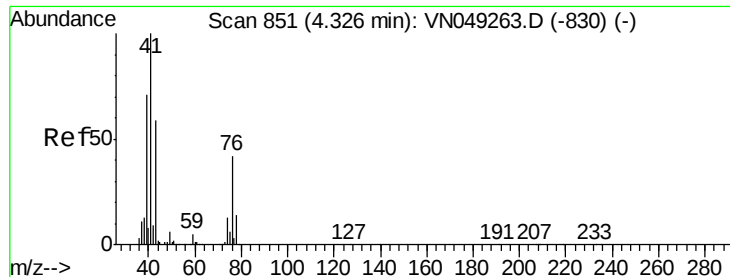
58 18.7 22.4 33.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

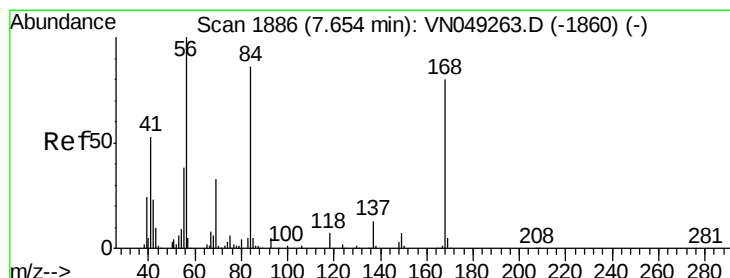
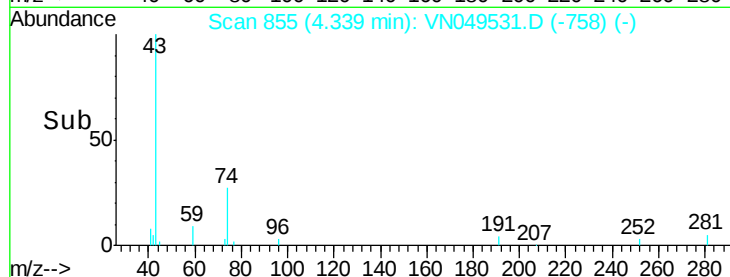
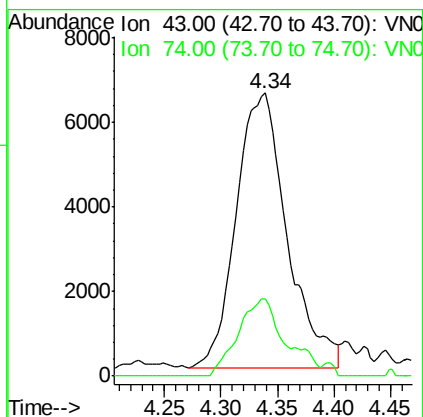
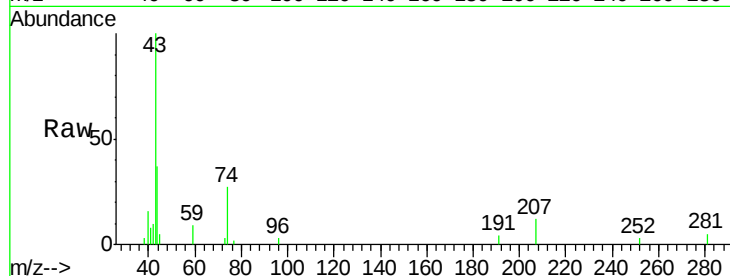




#18
Methvl Acetate
Concen: 1.32 ug/l
RT: 4.34 min Scan# 855
Delta R.T. 0.01 min
Lab File: VN049531.D
Acq: 26 Jun 2018 00:55

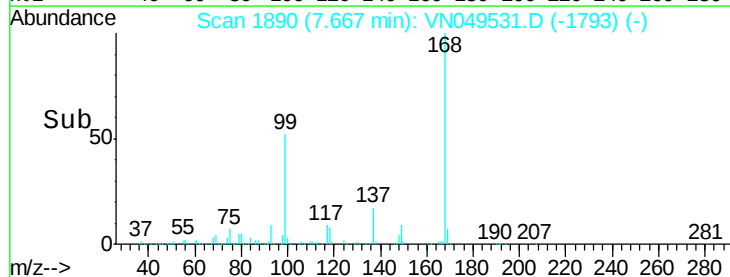
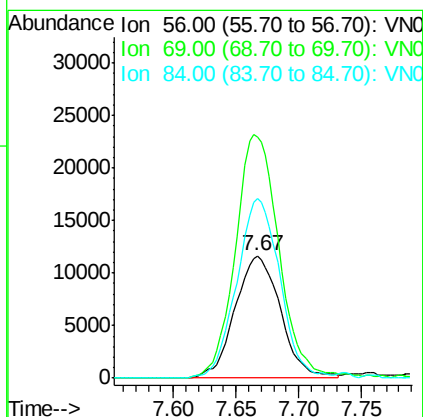
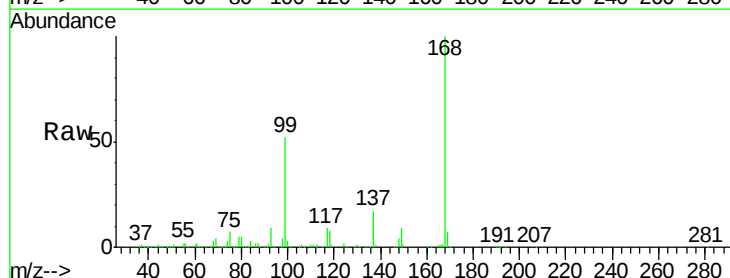
Instrument :
MSVOA_N
ClientSampleId :
VN0625WBL02

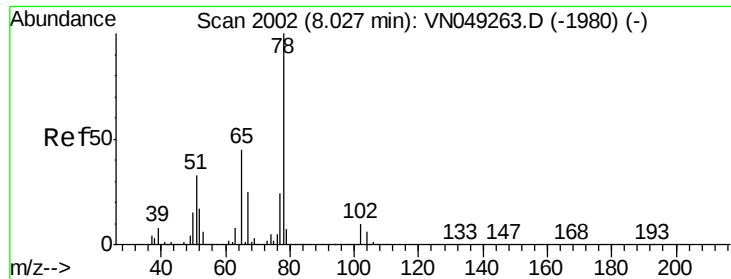
Tot Ion: 43 Resp: 20331
Ion Ratio Lower Upper
43 100
74 26.1 17.4 26.0#



#31
Cyclohexane
Concen: 0.78 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. 0.01 min
Lab File: VN049531.D
Acq: 26 Jun 2018 00:55

Tgt Ion: 56 Resp: 29368
Ion Ratio Lower Upper
56 100
69 197.8 25.0 37.4#
84 147.3 64.6 96.8#

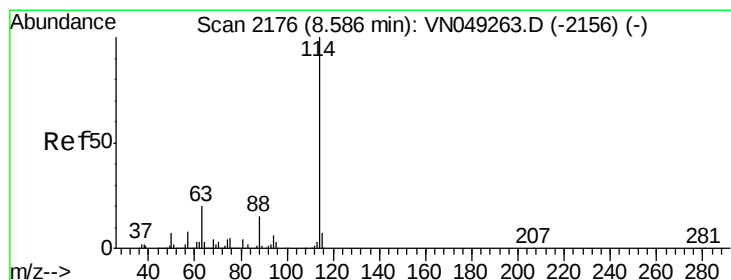
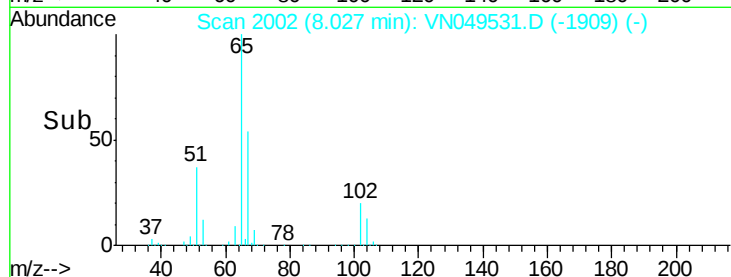
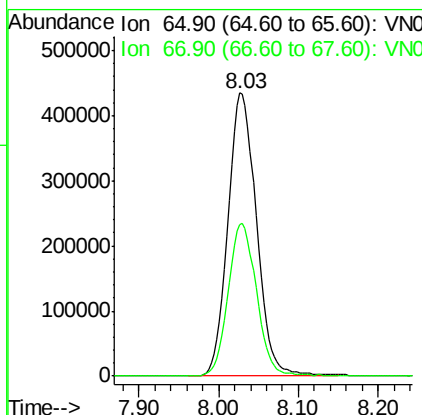
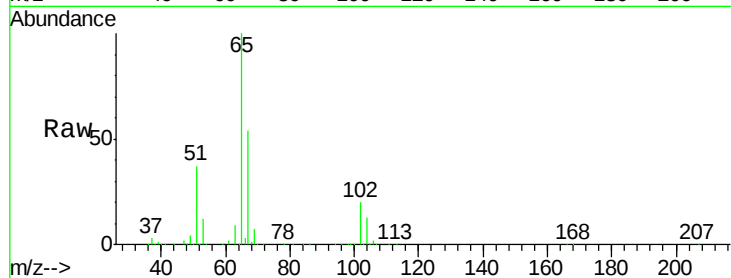




#33
 1,2-Dichloroethane-d4
 Concen: 50.89 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: VN049531.D
 Acq: 26 Jun 2018 00:55

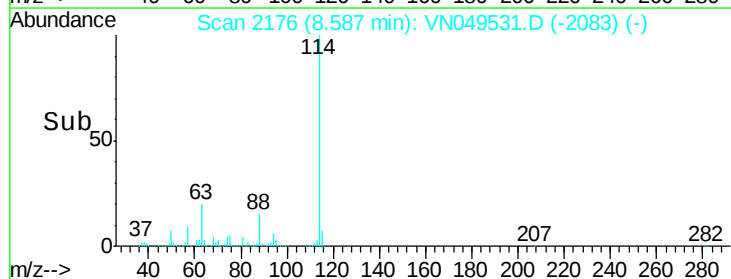
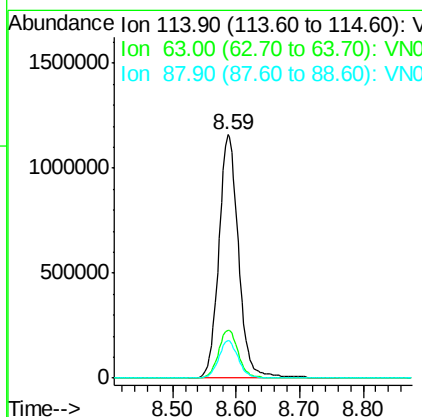
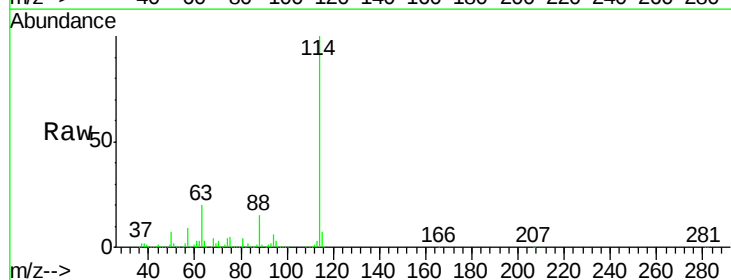
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0625WBL02

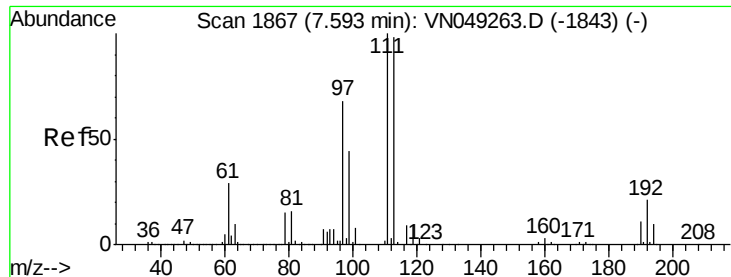
Tot Ion: 65 Resp: 1057261
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049531.D
 Acq: 26 Jun 2018 00:55

Tgt Ion: 114 Resp: 2482818
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 44.4
 88 15.5 0.0 31.4

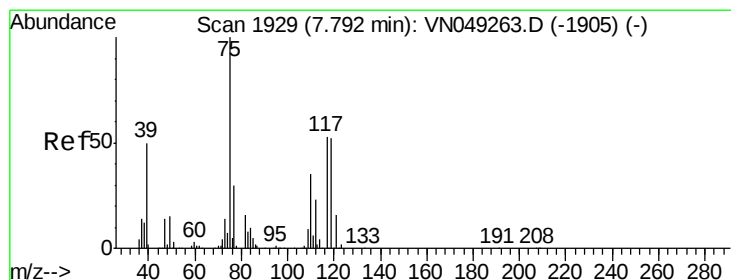
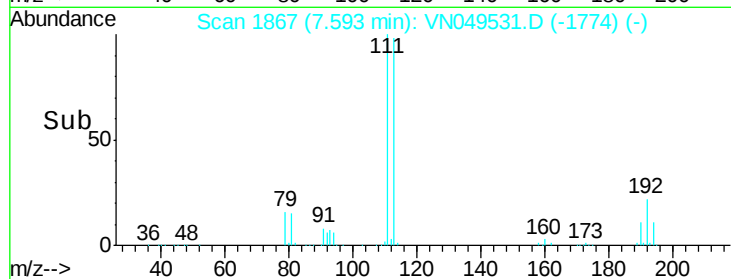
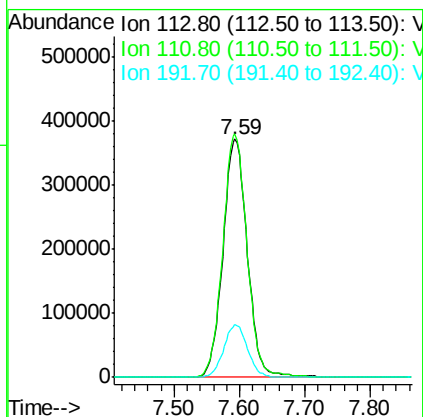
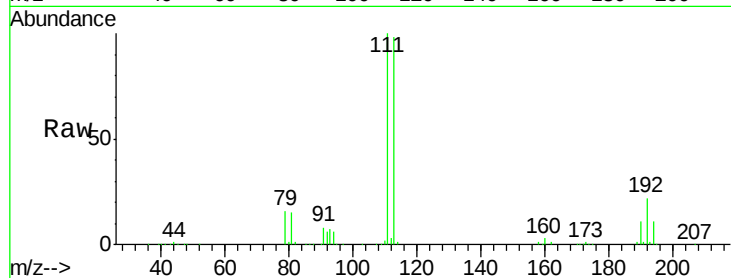




#35
Dibromofluoromethane
Concen: 47.75 ug/l
RT: 7.59 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN049531.D
Acq: 26 Jun 2018 00:55

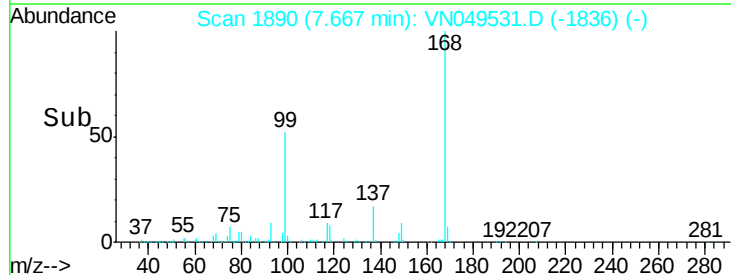
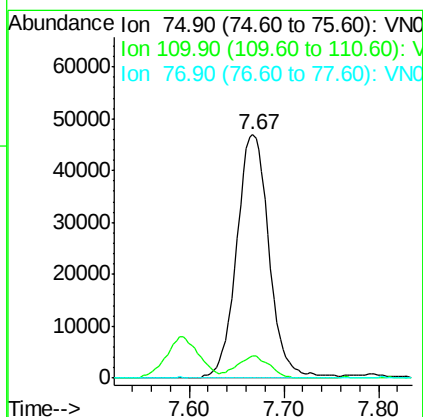
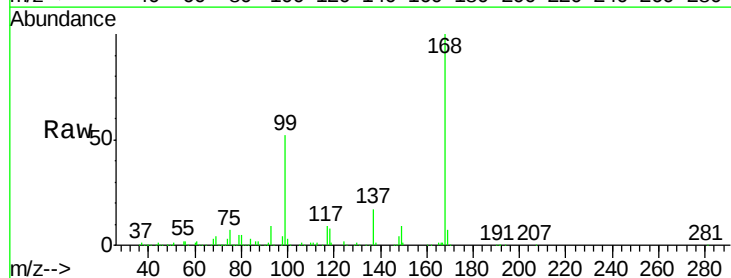
Instrument :
MSVOA_N
ClientSampleId :
VN0625WBL02

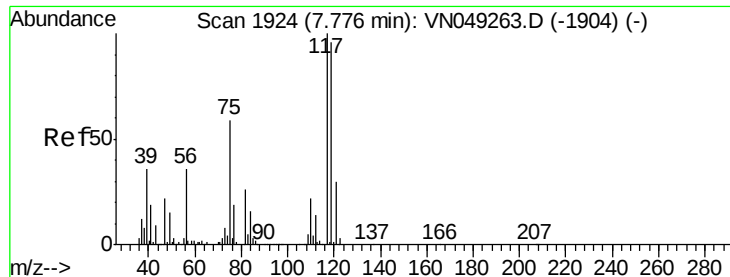
Tot Ion:113 Resp: 959130
Ion Ratio Lower Upper
113 100
111 101.7 82.4 123.6
192 21.7 15.0 22.6



#36
1,1-Dichloropropene
Concen: 3.93 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. -0.13 min
Lab File: VN049531.D
Acq: 26 Jun 2018 00:55

Tgt Ion: 75 Resp: 111852
Ion Ratio Lower Upper
75 100
110 9.0 17.0 50.9#
77 0.1 24.4 36.6#





#38

Carbon Tetrachloride

Concen: 4.80 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.11 min

Lab File: VN049531.D

Acq: 26 Jun 2018 00:55

Instrument :

MSVOA_N

ClientSampleId :

VN0625WBL02

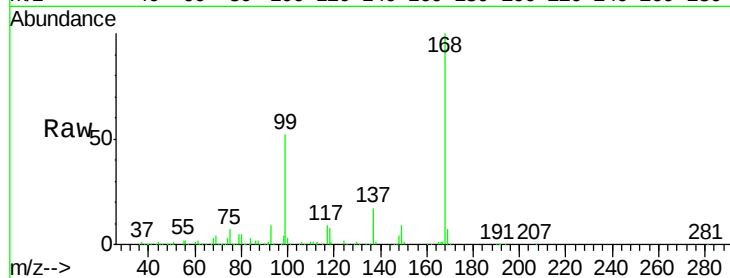
Tot Ion:117 Resp: 141312

Ion Ratio Lower Upper

117 100

119 6.5 75.6 113.4#

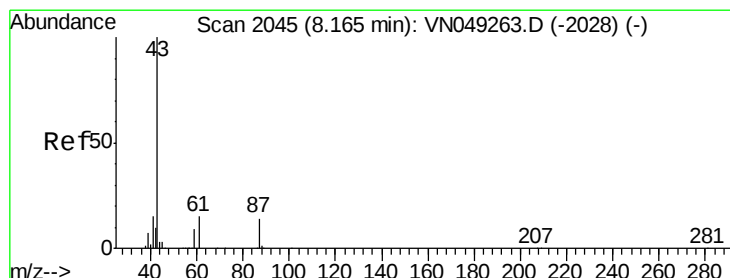
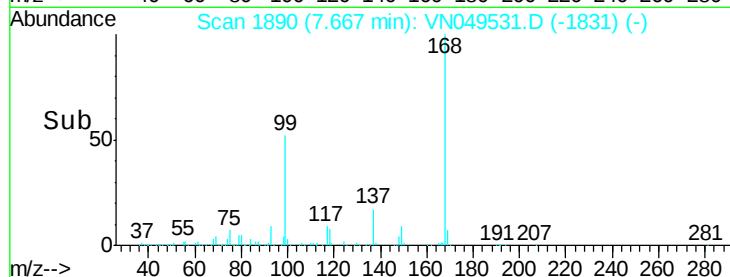
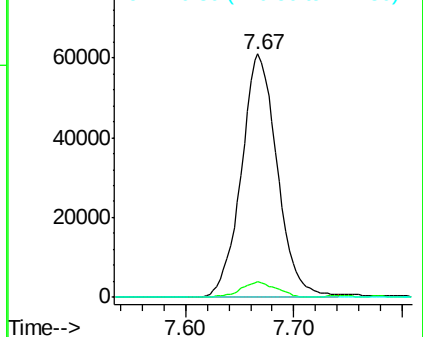
121 0.0 24.7 37.1#



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: 2.29 ug/l

RT: 8.25 min Scan# 2070

Delta R.T. 0.08 min

Lab File: VN049531.D

Acq: 26 Jun 2018 00:55

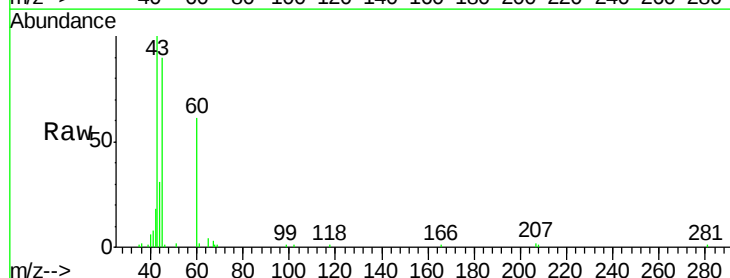
Tgt Ion: 43 Resp: 67683

Ion Ratio Lower Upper

43 100

61 0.0 14.2 21.4#

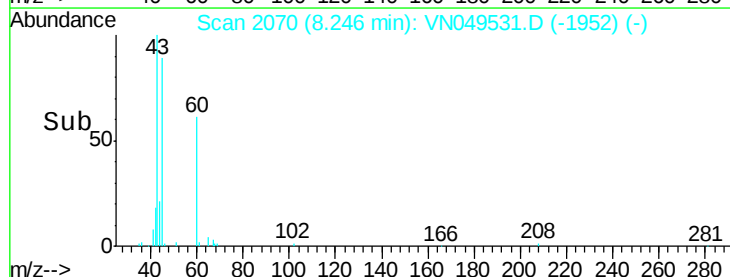
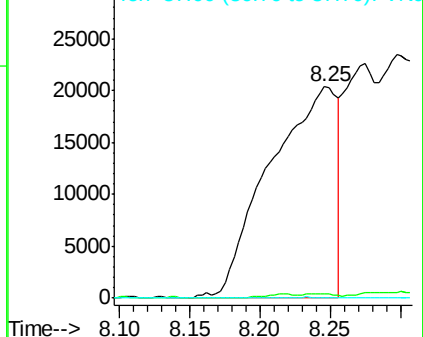
87 0.1 9.4 14.0#

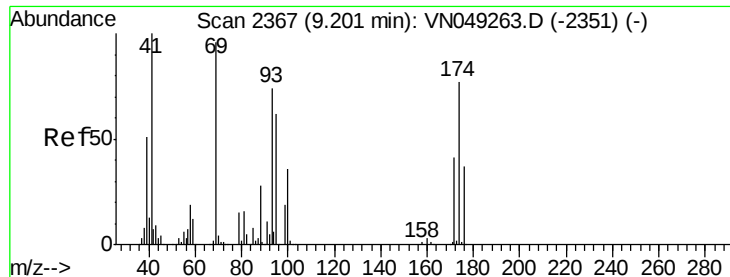


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

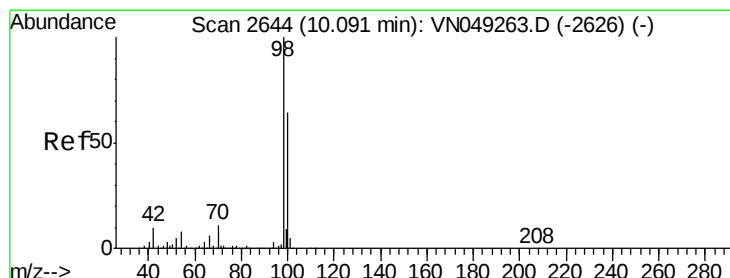
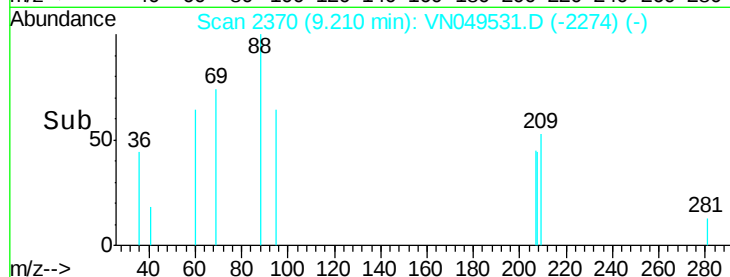
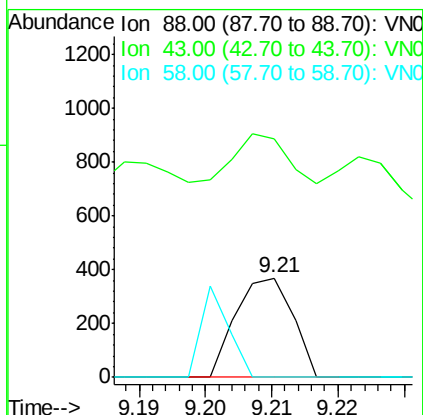
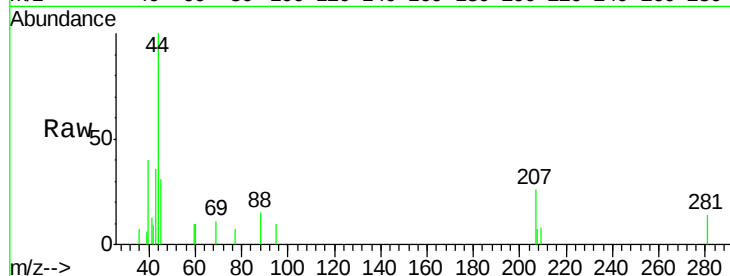




#49
1,4-Dioxane
Concen: 1.15 ug/l
RT: 9.21 min Scan# 2370
Delta R.T. 0.01 min
Lab File: VN049531.D
Acq: 26 Jun 2018 00:55

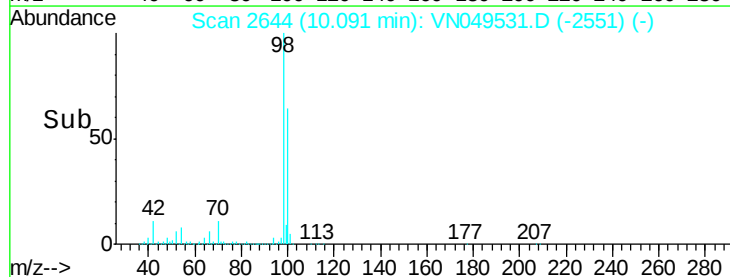
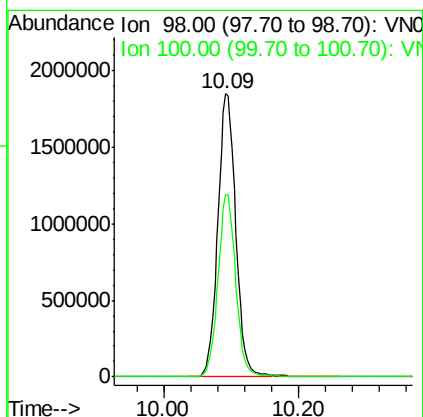
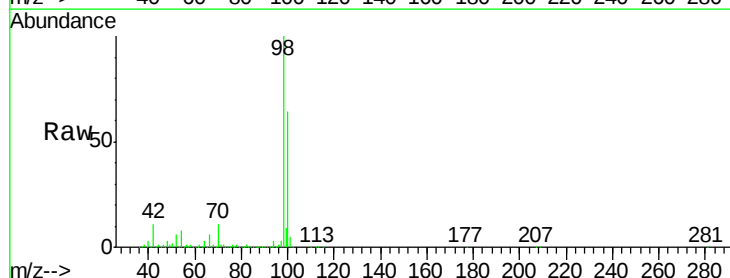
Instrument :
MSVOA_N
ClientSampleId :
VN0625WBL02

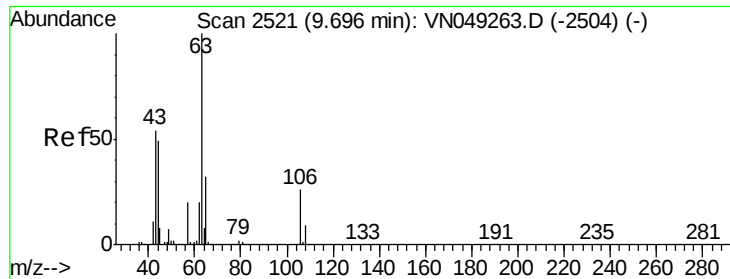
Tot Ion: 88 Resp: 220
Ion Ratio Lower Upper
88 100
43 0.0 30.9 46.3#
58 43.6 58.9 88.3#



#50
Toluene-d8
Concen: 45.41 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049531.D
Acq: 26 Jun 2018 00:55

Tgt Ion: 98 Resp: 3473256
Ion Ratio Lower Upper
98 100
100 63.6 49.8 74.8

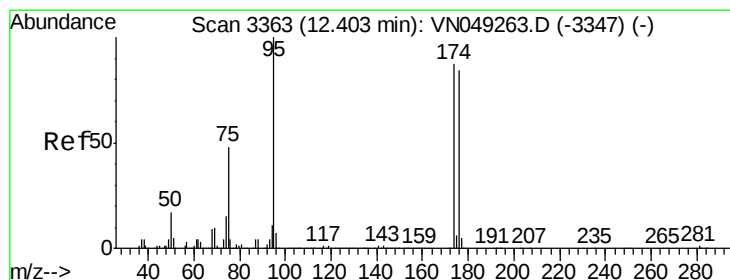
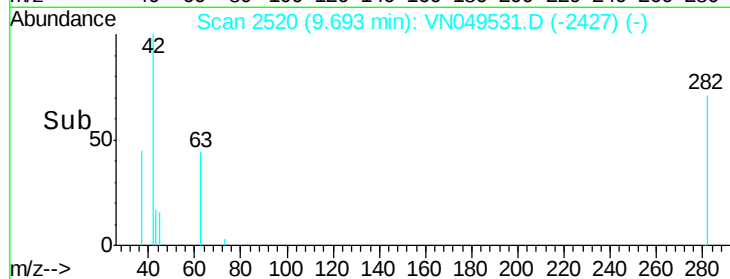
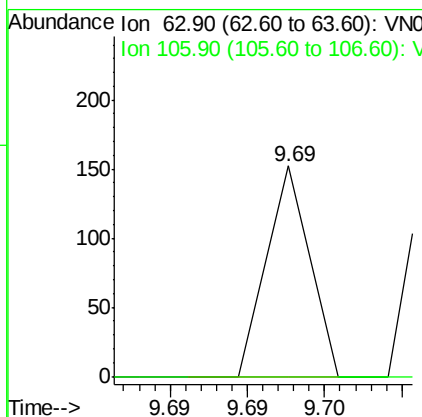
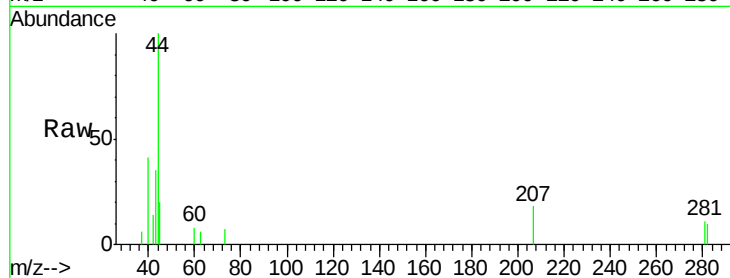




#58
 2-Chloroethyl Vinyl ether
 Concen: 14.33 ug/l
 RT: 9.69 min Scan# 2520
 Delta R.T. -0.00 min
 Lab File: VN049531.D
 Acq: 26 Jun 2018 00:55

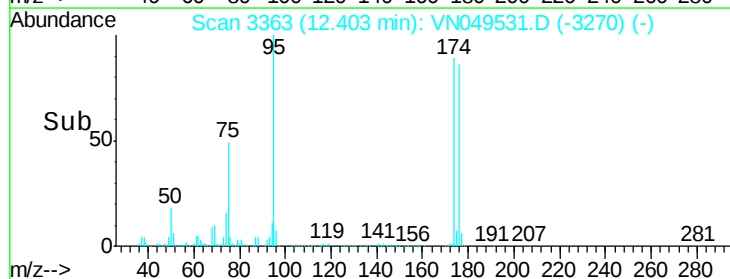
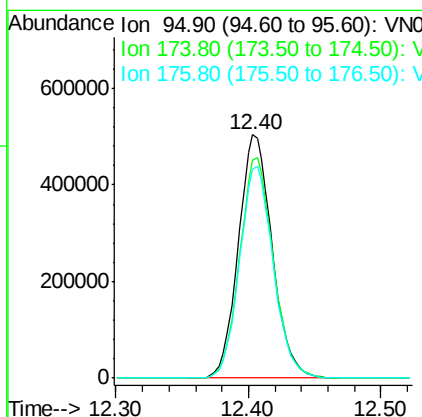
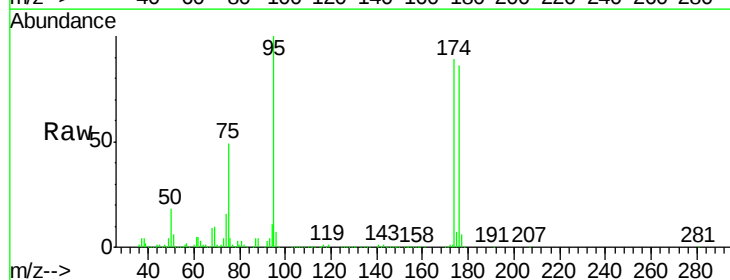
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0625WBL02

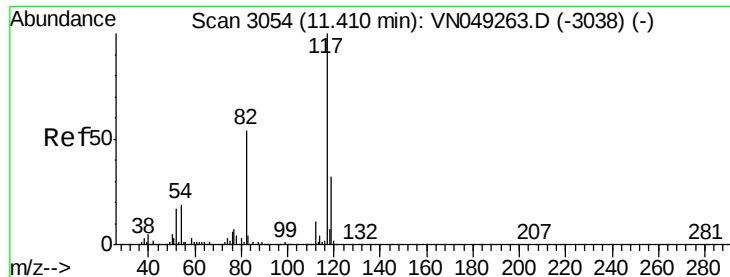
Tot Ion: 63 Resp: 29
 Ion Ratio Lower Upper
 63 100
 106 0.0 19.4 29.2#



#62
 4-Bromofluorobenzene
 Concen: 35.20 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN049531.D
 Acq: 26 Jun 2018 00:55

Tgt Ion: 95 Resp: 890245
 Ion Ratio Lower Upper
 95 100
 174 90.4 0.0 165.6
 176 86.8 0.0 157.4

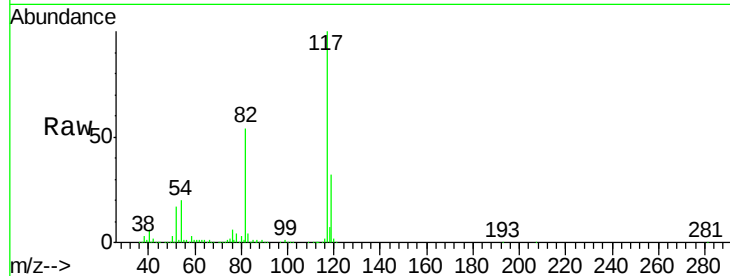




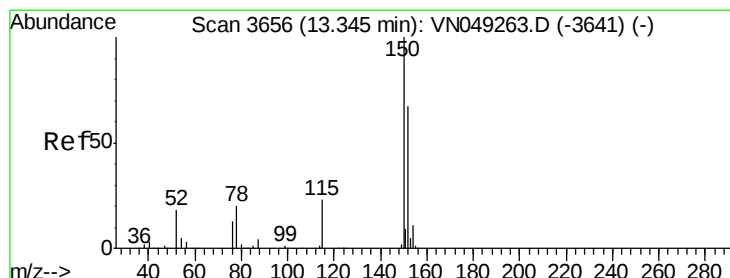
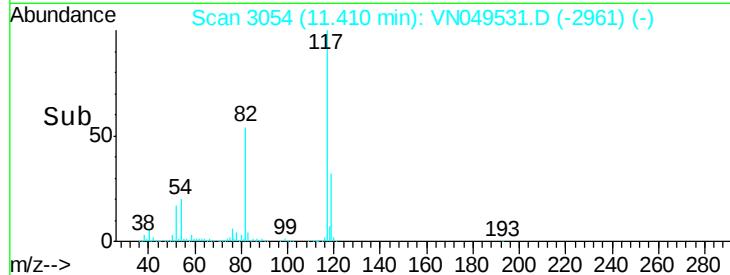
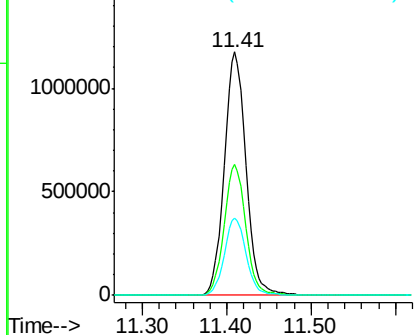
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049531.D
Acq: 26 Jun 2018 00:55

Instrument :
MSVOA_N
ClientSampleId :
VN0625WBL02

Tot Ion:117 Resp: 2093136
Ion Ratio Lower Upper
117 100
82 53.7 45.9 68.9
119 31.8 25.5 38.3

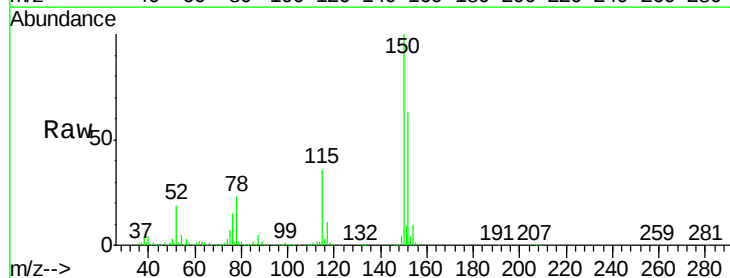


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

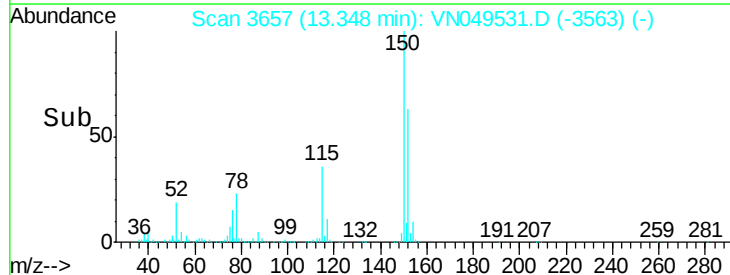
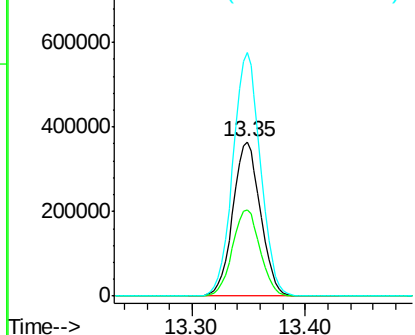


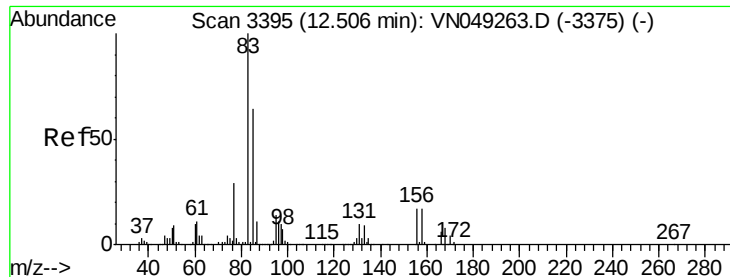
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3657
Delta R.T. 0.00 min
Lab File: VN049531.D
Acq: 26 Jun 2018 00:55

Tgt Ion:152 Resp: 619199
Ion Ratio Lower Upper
152 100
115 56.1 28.7 86.1
150 157.0 0.0 351.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.51 min Scan# 3396

Delta R.T. 0.00 min

Lab File: VN049531.D

Acq: 26 Jun 2018 00:55

Instrument :

MSVOA_N

ClientSampled :

VN0625WBL02

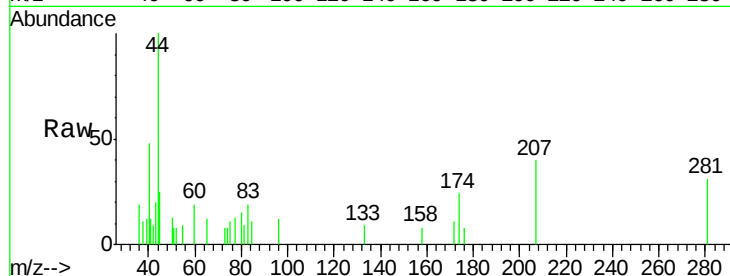
Tot Ion: 83 Resp: 378

Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

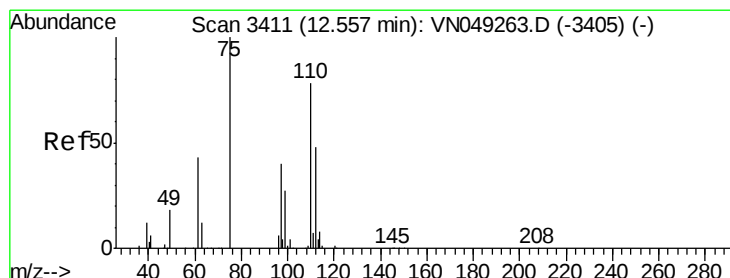
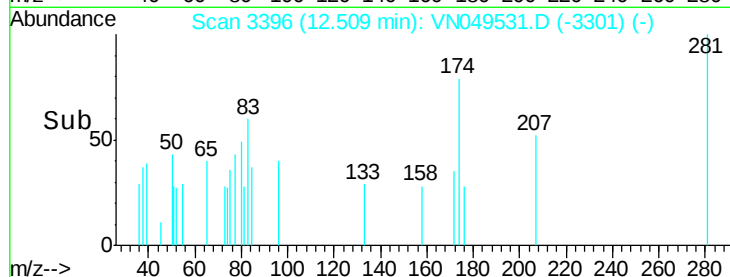
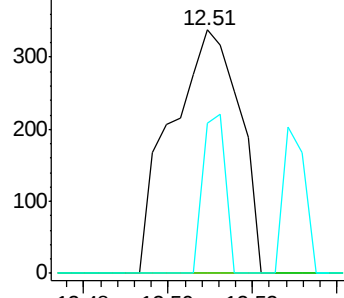
85 22.0 32.0 96.0#



Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 130.80 (130.50 to 131.50): VNO

Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 41.07 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049531.D

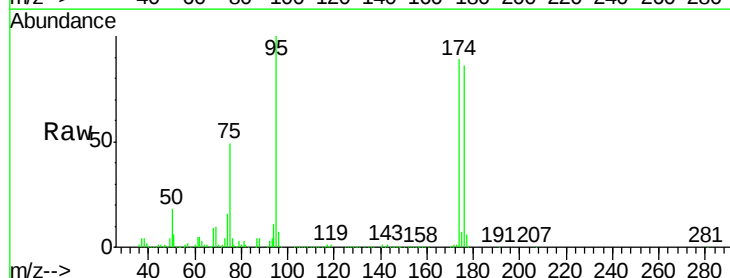
Acq: 26 Jun 2018 00:55

Tgt Ion: 75 Resp: 433926

Ion Ratio Lower Upper

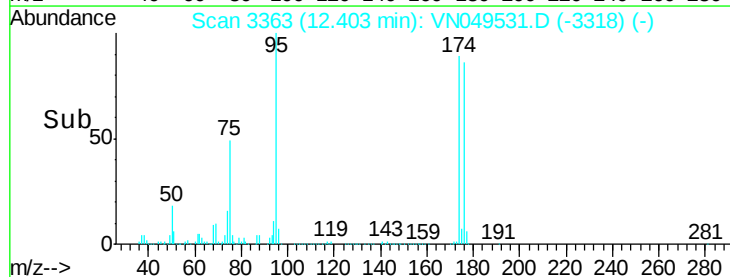
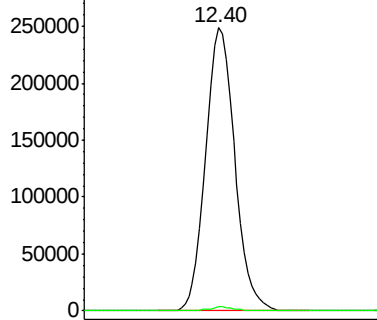
75 100

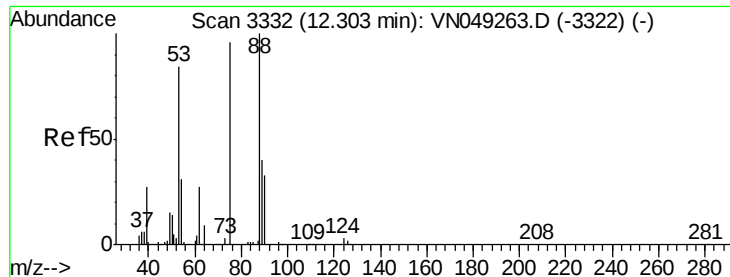
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO





#81

trans-1,4-Dichloro-2-butene

Concen: 129.81 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049531.D

Acq: 26 Jun 2018 00:55

Instrument :

MSVOA_N

ClientSampleId :

VN0625WBL02

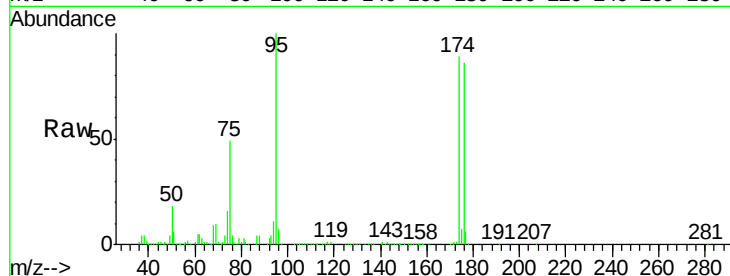
Tot Ion: 75 Resp: 433926

Ion Ratio Lower Upper

75 100

53 0.3 82.7 124.1#

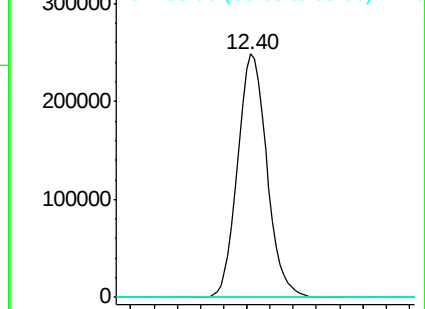
89 0.0 36.5 54.7#



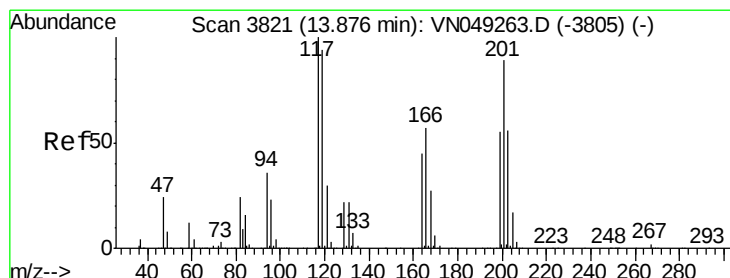
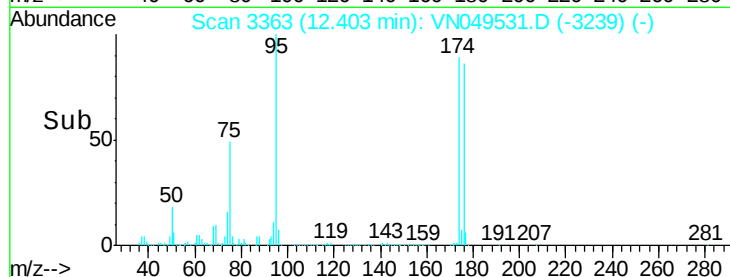
Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



Time-->



#90

Hexachloroethane

Concen: Below Cal

RT: 13.87 min Scan# 3819

Delta R.T. -0.01 min

Lab File: VN049531.D

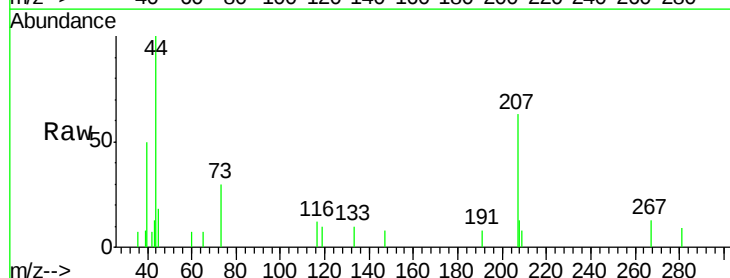
Acq: 26 Jun 2018 00:55

Tgt Ion: 117 Resp: 177

Ion Ratio Lower Upper

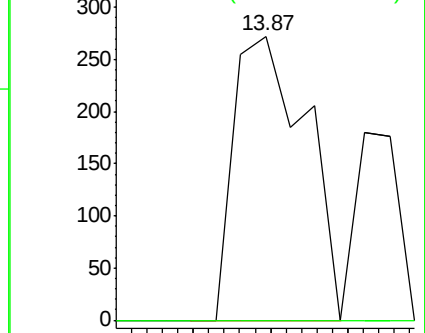
117 100

201 0.0 40.1 120.2#

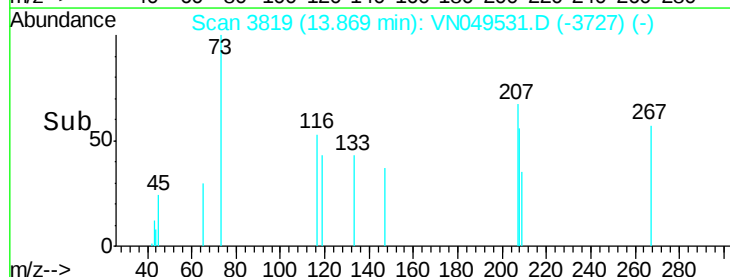


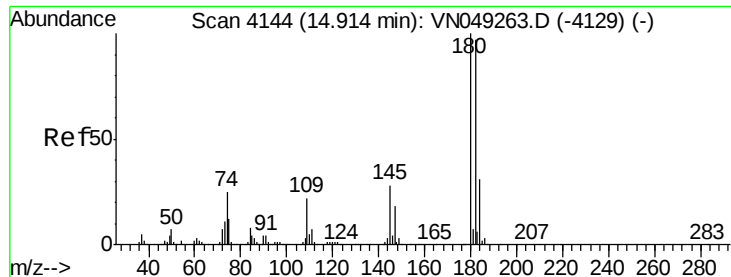
Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



Time-->





#93

1,2,4-Trichlorobenzene

Concen: 4.96 ug/l

RT: 14.91 min Scan# 4143

Delta R.T. -0.00 min

Lab File: VN049531.D

Acq: 26 Jun 2018 00:55

Instrument :

MSVOA_N

ClientSampleId :

VN0625WBL02

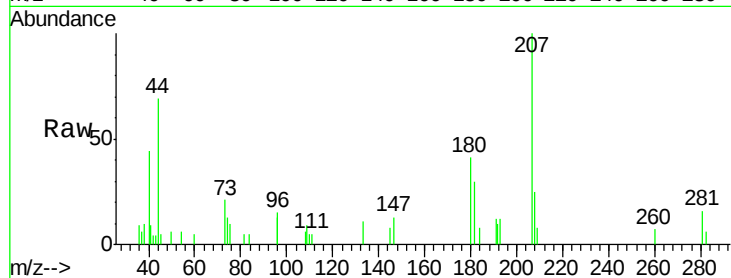
Tot Ion:180 Resp: 2522

Ion Ratio Lower Upper

180 100

182 97.7 46.9 140.8

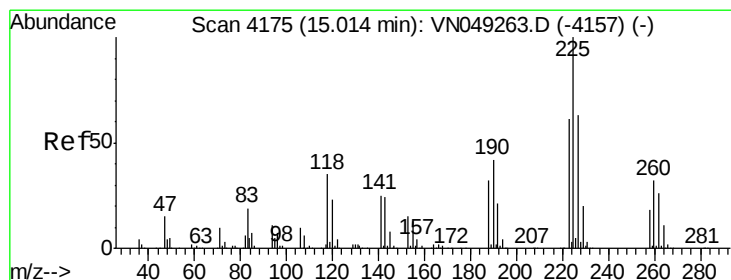
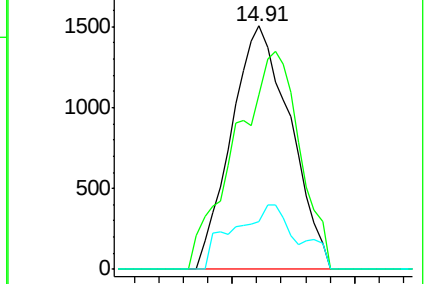
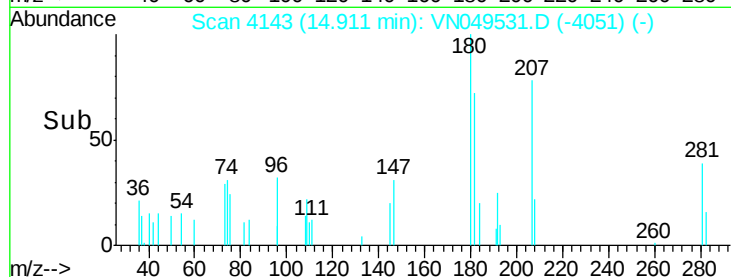
145 29.0 14.7 44.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4175

Delta R.T. 0.00 min

Lab File: VN049531.D

Acq: 26 Jun 2018 00:55

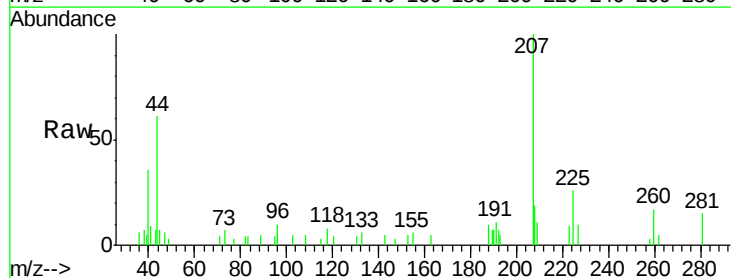
Tgt Ion:225 Resp: 1473

Ion Ratio Lower Upper

225 100

223 64.0 32.1 96.3

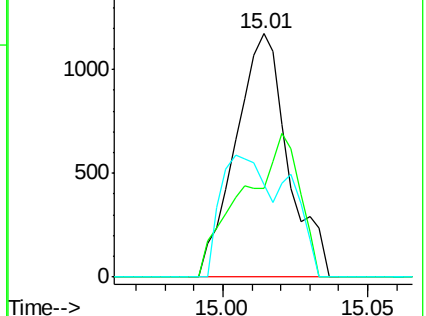
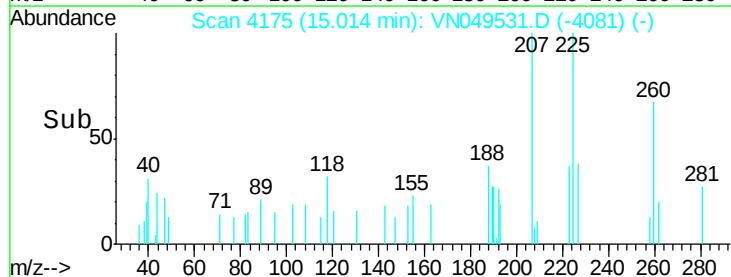
227 44.2 31.8 95.3

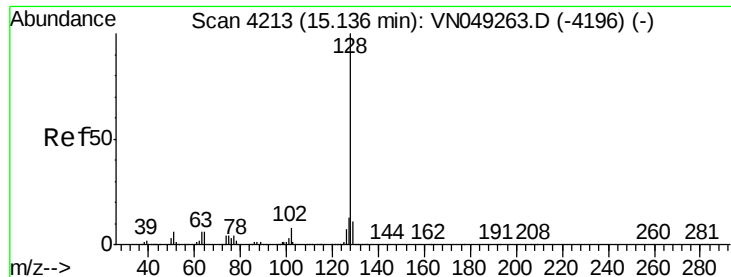


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 2.42 ug/l

RT: 15.14 min Scan# 4214

Delta R.T. 0.00 min

Lab File: VN049531.D

Acq: 26 Jun 2018 00:55

Instrument :

MSVOA_N

ClientSampleId :

VN0625WBL02

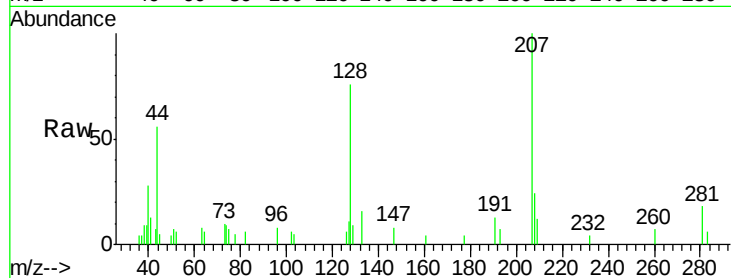
Tot Ion:128 Resp: 5821

Ion Ratio Lower Upper

128 100

127 13.5 10.6 16.0

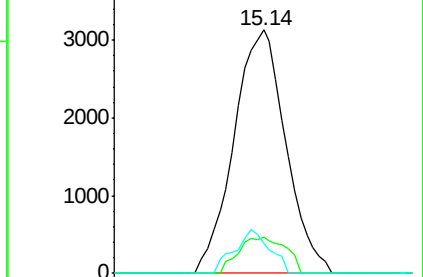
129 12.1 8.5 12.7



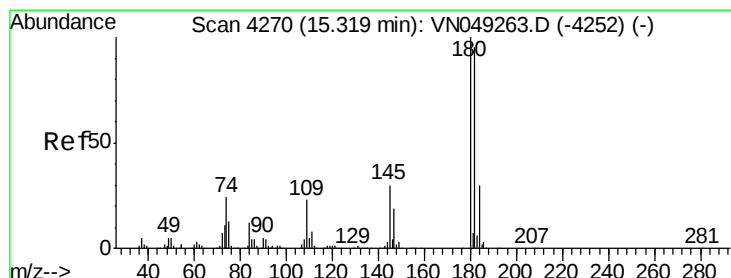
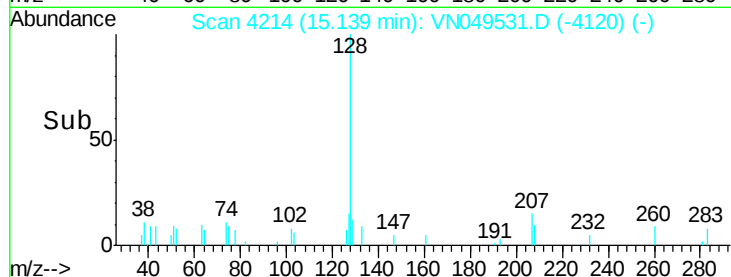
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



Time-->



#96

1,2,3-Trichlorobenzene

Concen: 3.67 ug/l

RT: 15.31 min Scan# 4268

Delta R.T. -0.01 min

Lab File: VN049531.D

Acq: 26 Jun 2018 00:55

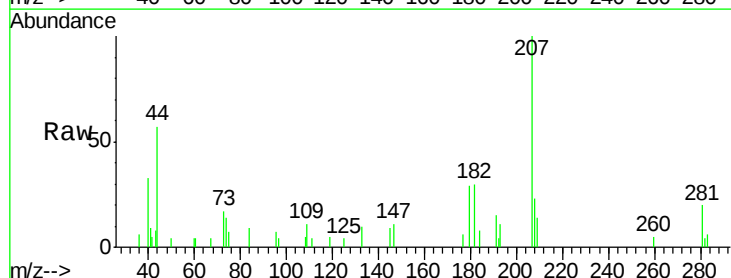
Tgt Ion:180 Resp: 2392

Ion Ratio Lower Upper

180 100

182 103.1 47.3 141.8

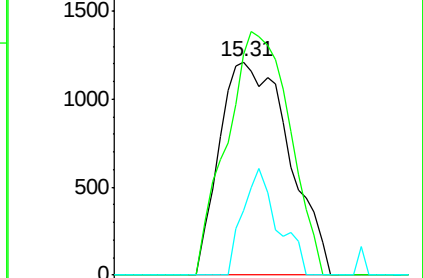
145 25.1 15.6 46.7



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



Time-->

