

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102518\
 Data File : VN052002.D
 Acq On : 25 Oct 2018 10:54
 Operator : MD\SY
 Sample : PB114157TB
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 PB114157TB

Quant Time: Oct 26 01:09:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 24 10:12:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1167981	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1689548	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1617882	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	741205	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	593270	57.03	ug/l	0.00
Spiked Amount			Recovery	=	114.06%	
35) Dibromofluoromethane	7.59	113	625932	58.06	ug/l	0.00
Spiked Amount			Recovery	=	116.12%	
50) Toluene-d8	10.09	98	2326074	59.70	ug/l	0.00
Spiked Amount			Recovery	=	119.40%	
62) 4-Bromofluorobenzene	12.40	95	758786	56.66	ug/l	0.00
Spiked Amount			Recovery	=	113.32%	

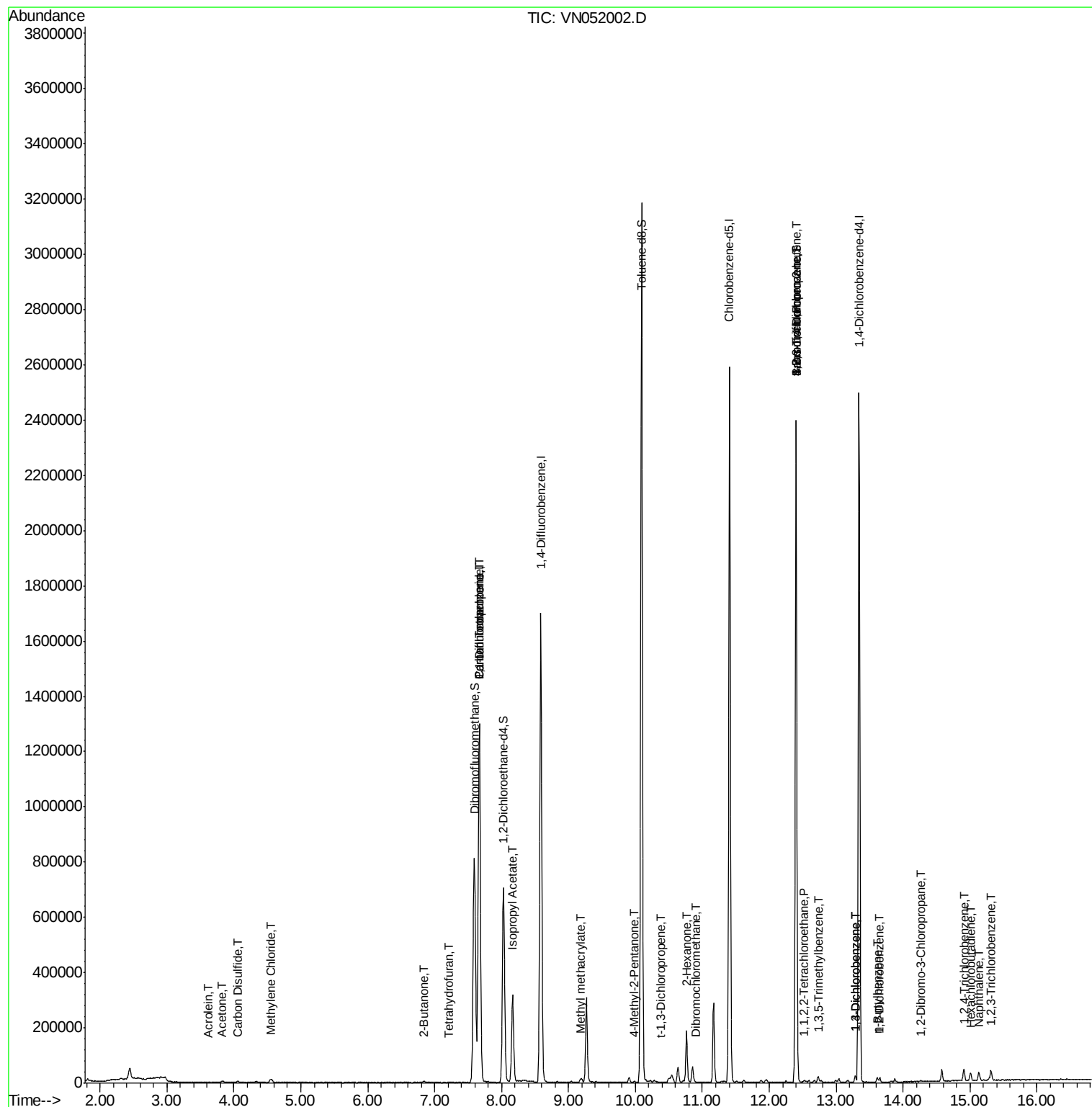
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.61	56	575	38.851	ug/l #	39
16) Acetone	3.82	43	8030	4.685	ug/l	94
17) Carbon Disulfide	4.06	76	5973	0.294	ug/l	99
18) Methyl Acetate	4.33	43	5905	Below Cal	#	81
20) Methylene Chloride	4.54	84	9720	0.967	ug/l	87
25) 2-Butanone	6.85	43	2858	1.170	ug/l	89
29) Tetrahydrofuran	7.21	42	477	0.288	ug/l	95
31) Cyclohexane	7.66	56	17810	Below Cal	#	24
36) 1,1-Dichloropropene	7.67	75	68559	5.290	ug/l #	48
37) Ethyl Acetate	6.91	43	427	Below Cal	#	64
38) Carbon Tetrachloride	7.67	117	104090	6.996	ug/l #	15
43) Isopropyl Acetate	8.17	43	350251	32.269	ug/l	99
48) Methyl methacrylate	9.17	41	3856	0.735	ug/l #	23
51) 4-Methyl-2-Pentanone	9.99	43	1556	0.261	ug/l	88
53) t-1,3-Dichloropropene	10.38	75	828	1.304	ug/l #	77
59) 2-Hexanone	10.76	43	25176	6.276	ug/l #	57
60) Dibromochloromethane	10.91	129	171	1.991	ug/l #	22
71) Bromoform	12.40	173	6144	4.348	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.51	83	2015	0.207	ug/l #	49
76) 1,2,3-Trichloropropane	12.40	75	364024	47.546	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	9165	0.243	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	364024	149.542	ug/l #	12
87) 1,3-Dichlorobenzene	13.28	146	6025	0.252	ug/l	96
88) 1,4-Dichlorobenzene	13.28	146	6025	0.255	ug/l	96
89) n-Butylbenzene	13.61	91	8990	0.269	ug/l	93
91) 1,2-Dichlorobenzene	13.65	146	6611	0.286	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.28	75	1097	0.736	ug/l #	50
93) 1,2,4-Trichlorobenzene	14.91	180	14599	1.068	ug/l	94
94) Hexachlorobutadiene	15.01	225	5589	0.796	ug/l	95
95) Naphthalene	15.13	128	27888	0.939	ug/l	98
96) 1,2,3-Trichlorobenzene	15.32	180	14429	1.104	ug/l	95

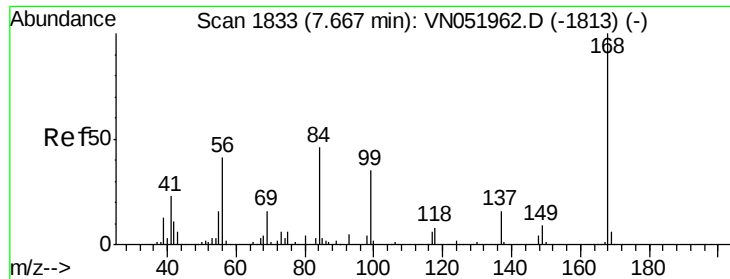
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052002.D

Acq: 25 Oct 2018 10:54

Instrument :

MSVOA_N

ClientSampled :

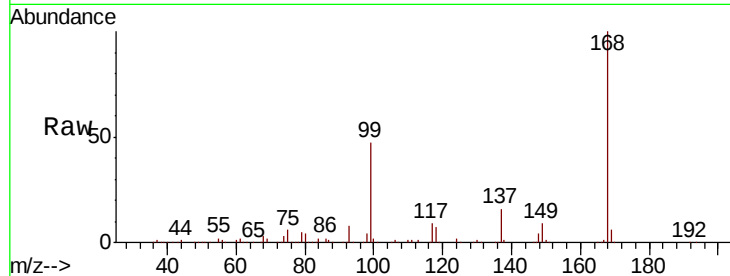
PB114157TB

Tot Ion:168 Resp: 1167981

Ion Ratio Lower Upper

168 100

99 46.7 37.8 56.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

500000

400000

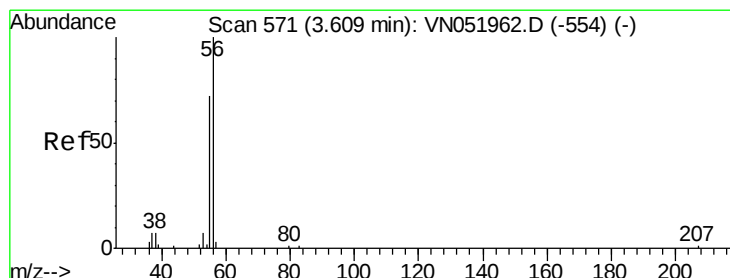
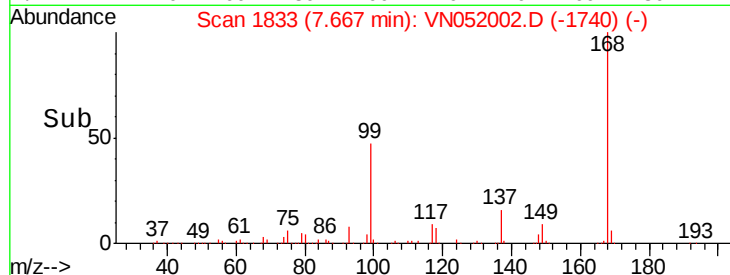
300000

200000

100000

0

Time-->



#13

Acrolein

Concen: 38.851 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.00 min

Lab File: VN052002.D

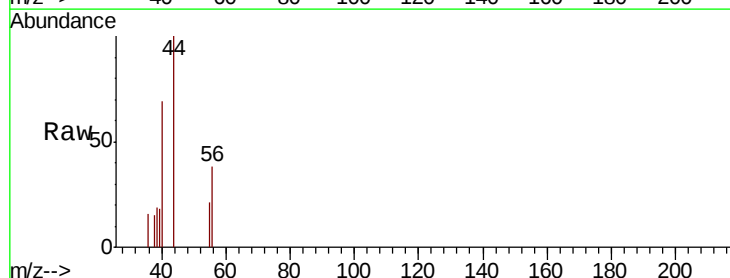
Acq: 25 Oct 2018 10:54

Tgt Ion: 56 Resp: 575

Ion Ratio Lower Upper

56 100

55 20.5 56.6 84.8#



Abundance Ion 56.00 (55.70 to 56.70): VN

Ion 55.00 (54.70 to 55.70): VN

3.61

500

400

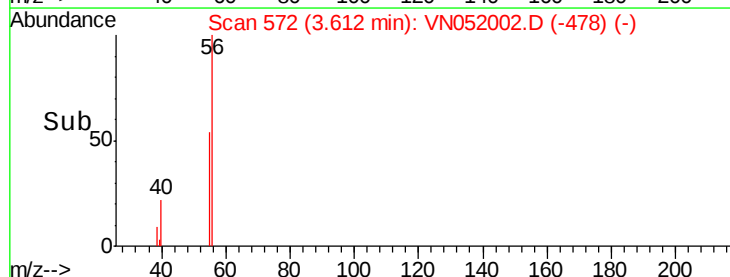
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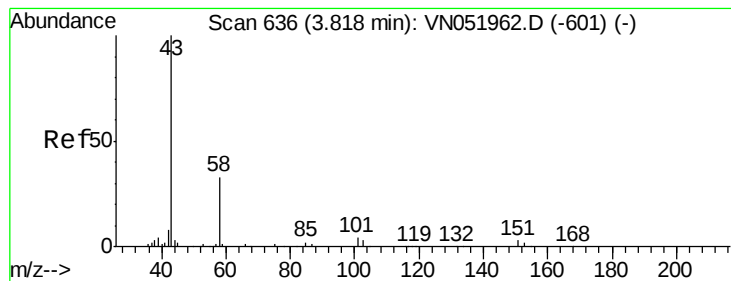
200

100

0

Time-->





#16

Acetone

Concen: 4.685 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN052002.D

Acq: 25 Oct 2018 10:54

Instrument :

MSVOA_N

ClientSampleId :

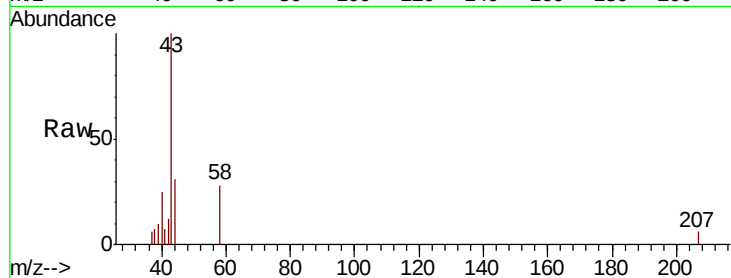
PB114157TB

Tot Ion: 43 Resp: 8030

Ion Ratio Lower Upper

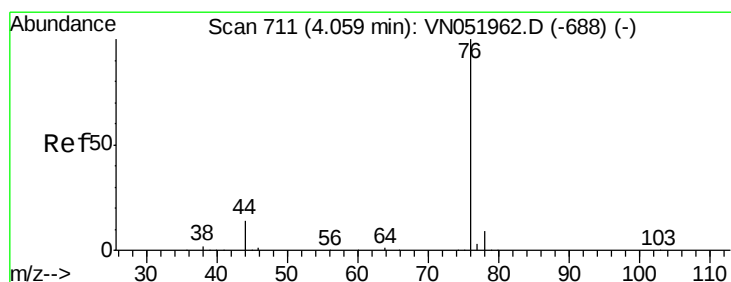
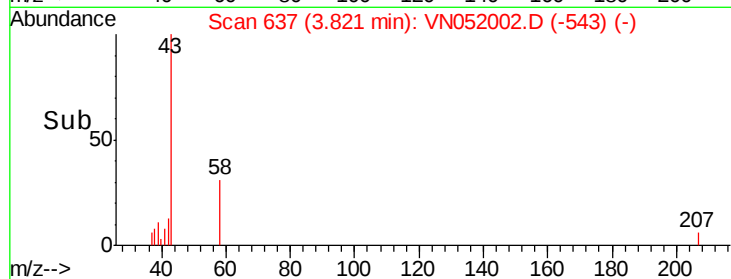
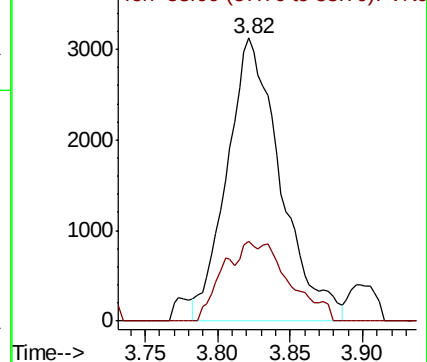
43 100

58 30.1 26.7 40.1



Abundance Ion 43.00 (42.70 to 43.70): VN051962.D (-601) (-)

Ion 58.00 (57.70 to 58.70): VN051962.D (-601) (-)



#17

Carbon Disulfide

Concen: 0.294 ug/l

RT: 4.06 min Scan# 710

Delta R.T. -0.00 min

Lab File: VN052002.D

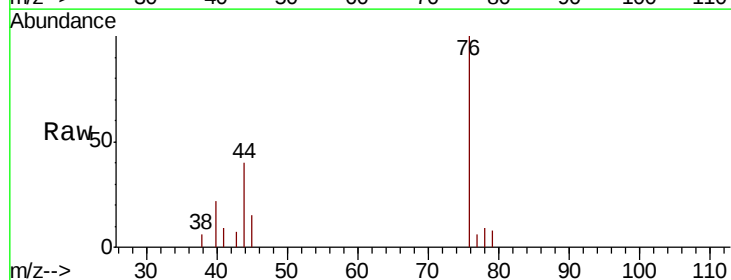
Acq: 25 Oct 2018 10:54

Tgt Ion: 76 Resp: 5973

Ion Ratio Lower Upper

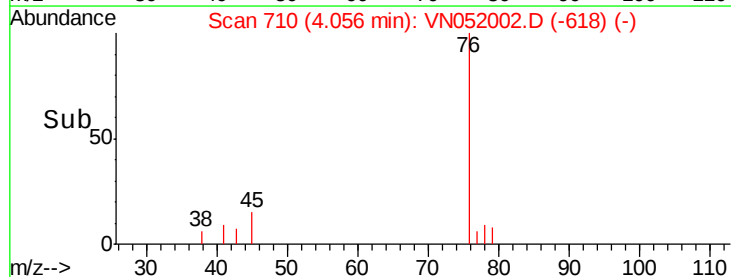
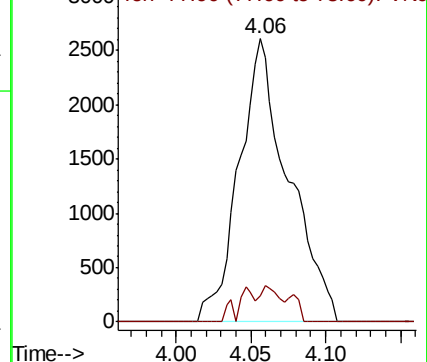
76 100

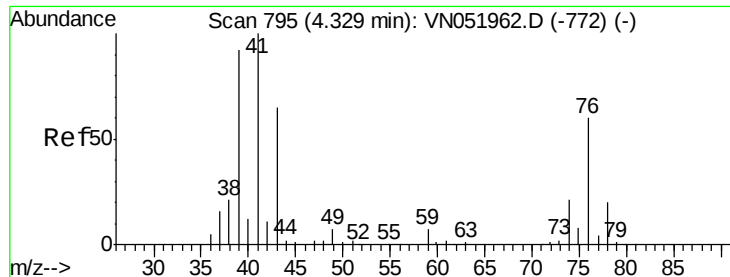
78 9.4 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN051962.D (-688) (-)

Ion 77.90 (77.60 to 78.60): VN051962.D (-688) (-)

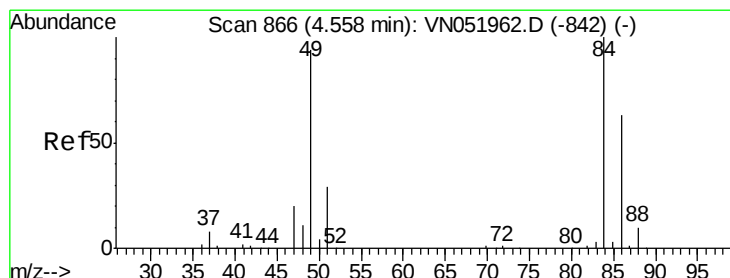
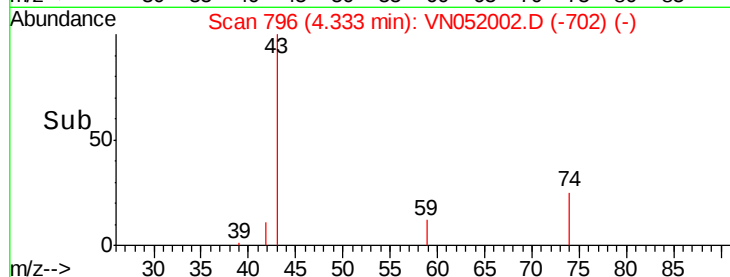
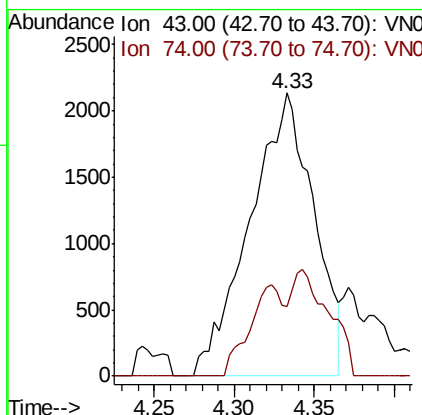
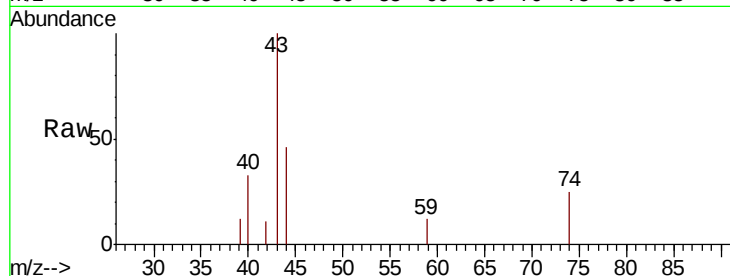




#18
Methyl Acetate
Concen: Below Cal
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN052002.D
Acq: 25 Oct 2018 10:54

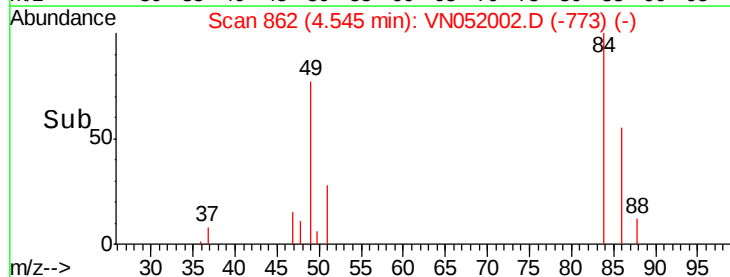
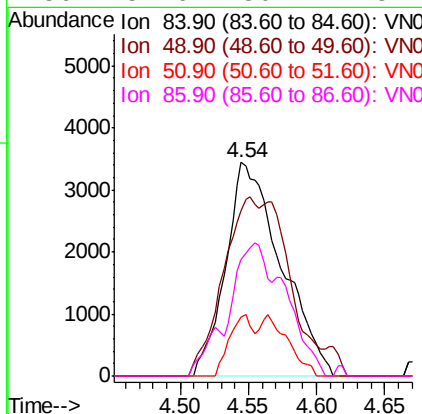
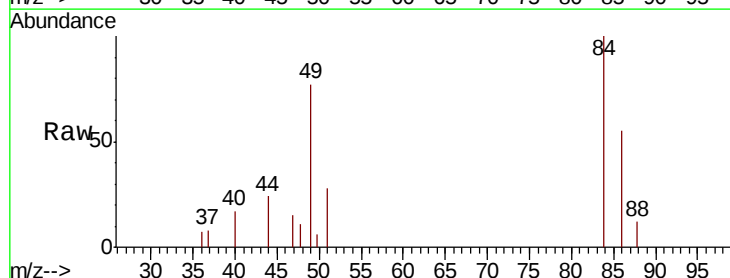
Instrument :
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ClientSampleId :
PB114157TB

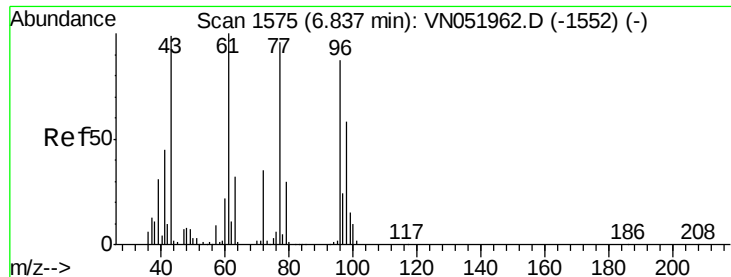
Tot Ion: 43 Resp: 5905
Ion Ratio Lower Upper
43 100
74 21.7 25.7 38.5#



#20
Methylene Chloride
Concen: 0.967 ug/l
RT: 4.54 min Scan# 862
Delta R.T. -0.01 min
Lab File: VN052002.D
Acq: 25 Oct 2018 10:54

Tgt Ion: 84 Resp: 9720
Ion Ratio Lower Upper
84 100
49 77.3 75.4 113.0
51 27.8 23.1 34.7
86 54.6 50.2 75.4





#25

2-Butanone

Concen: 1.170 ug/l

RT: 6.85 min Scan# 1579

Delta R.T. 0.01 min

Lab File: VN052002.D

Acq: 25 Oct 2018 10:54

Instrument :

MSVOA_N

ClientSampled :

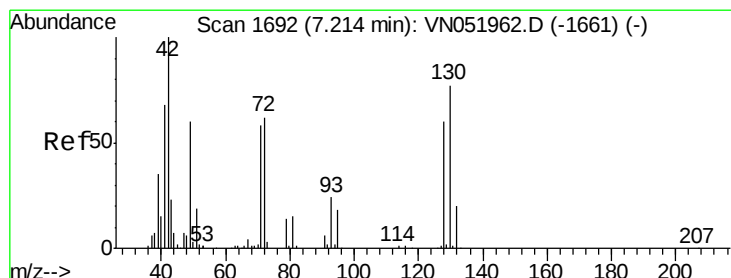
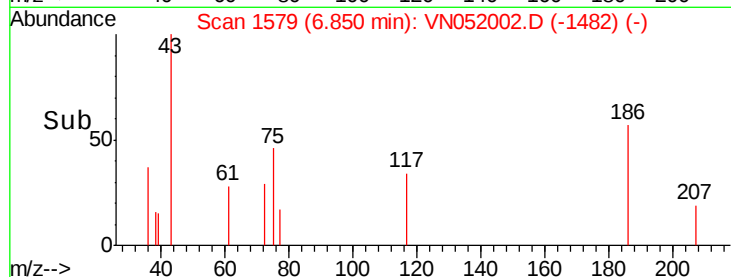
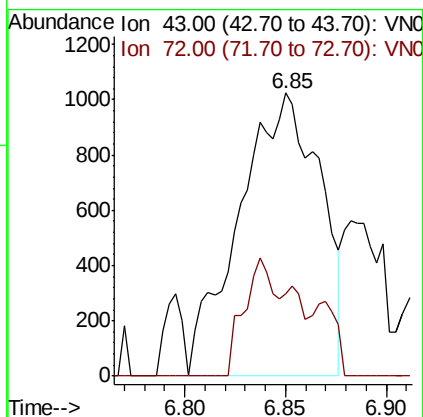
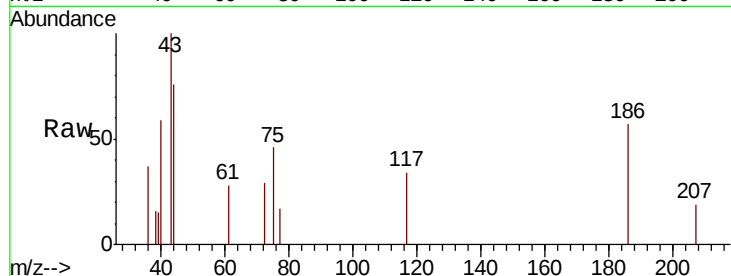
PB114157TB

Tot Ion: 43 Resp: 2858

Ion Ratio Lower Upper

43 100

72 28.9 28.5 42.7



#29

Tetrahydrofuran

Concen: 0.288 ug/l

RT: 7.21 min Scan# 1691

Delta R.T. -0.00 min

Lab File: VN052002.D

Acq: 25 Oct 2018 10:54

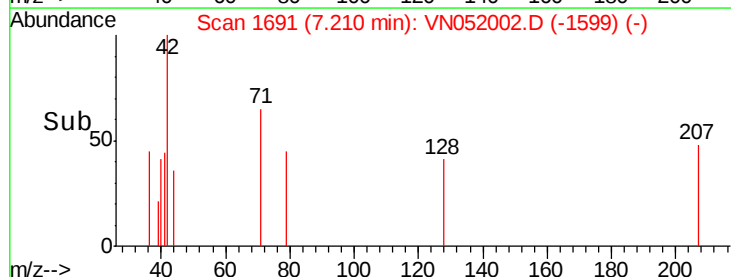
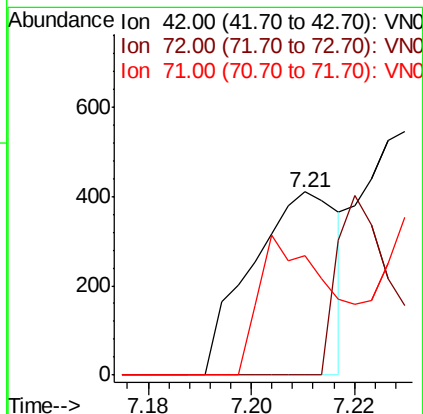
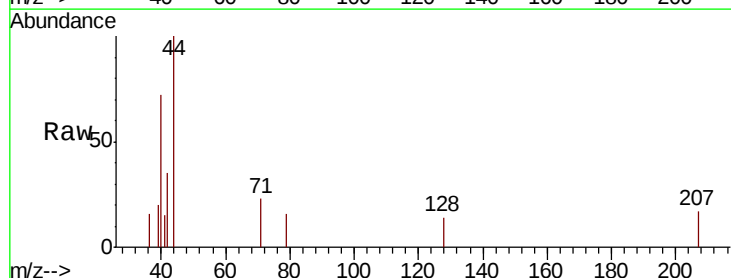
Tgt Ion: 42 Resp: 477

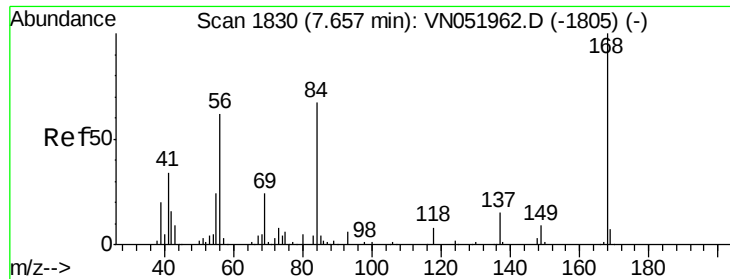
Ion Ratio Lower Upper

42 100

72 57.2 47.5 71.3

71 61.8 45.4 68.2

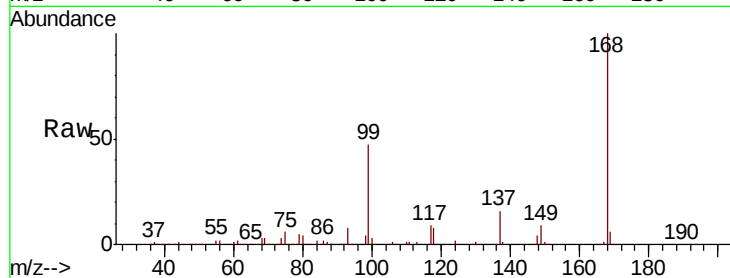




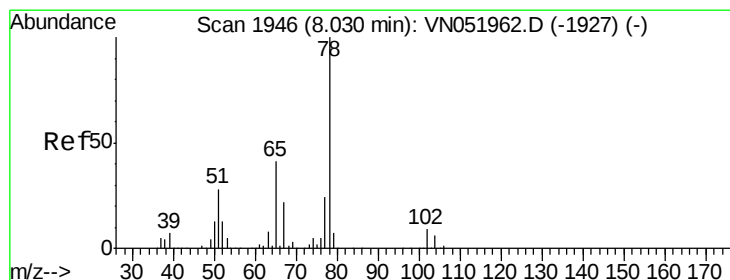
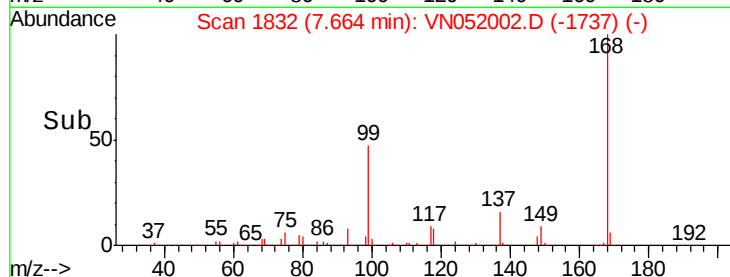
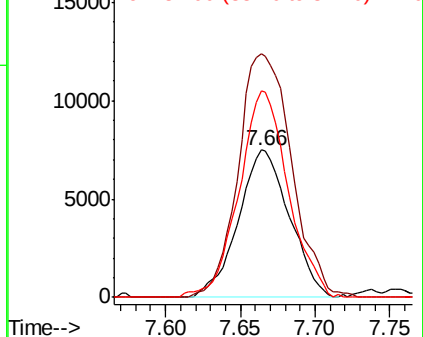
#31
Cyclohexane
Concen: Below Cal
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN052002.D
Acq: 25 Oct 2018 10:54

Instrument :
MSVOA_N
ClientSampleId :
PB114157TB

Tot Ion: 56 Resp: 17810
Ion Ratio Lower Upper
56 100
69 165.3 31.2 46.8#
84 138.3 86.3 129.5#

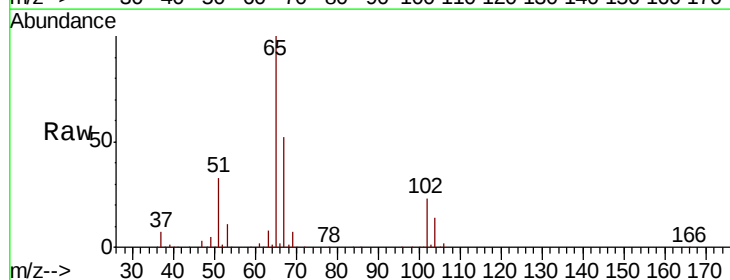


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

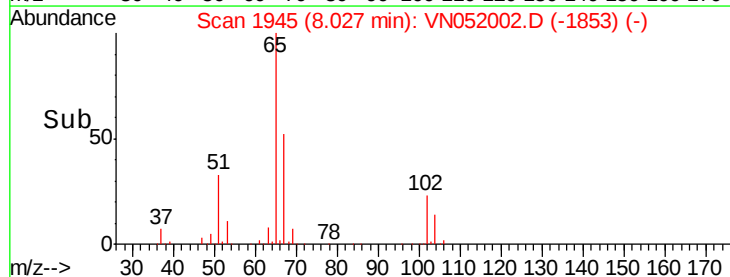
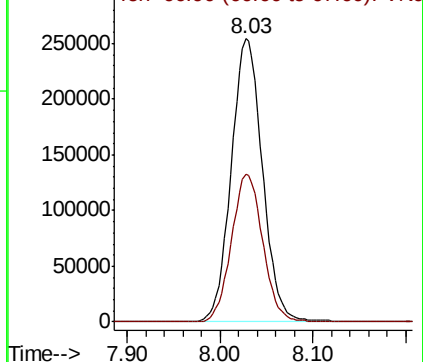


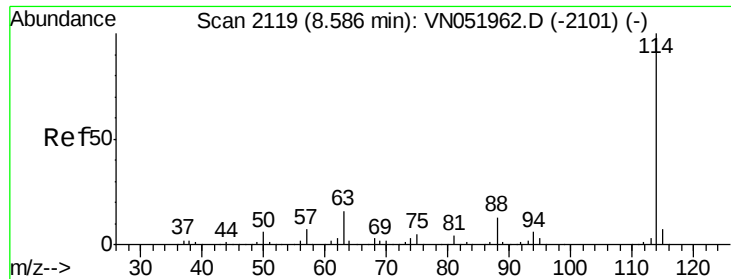
#33
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN052002.D
Acq: 25 Oct 2018 10:54

Tgt Ion: 65 Resp: 593270
Ion Ratio Lower Upper
65 100
67 52.4 0.0 105.8



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

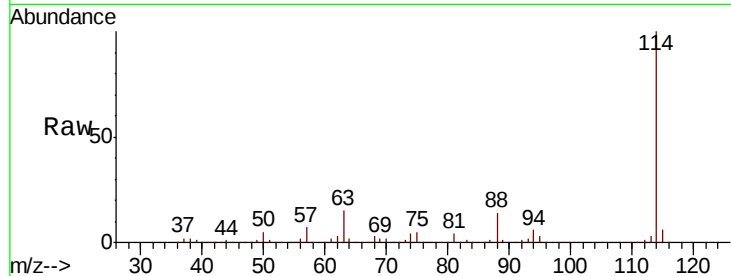




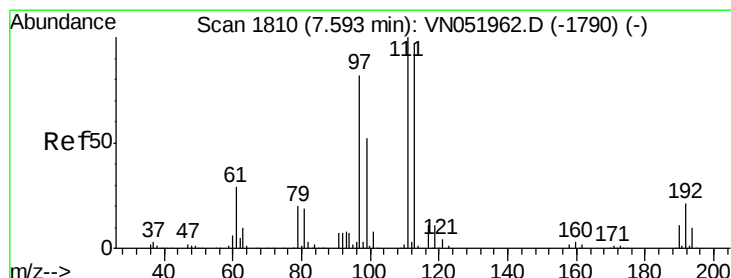
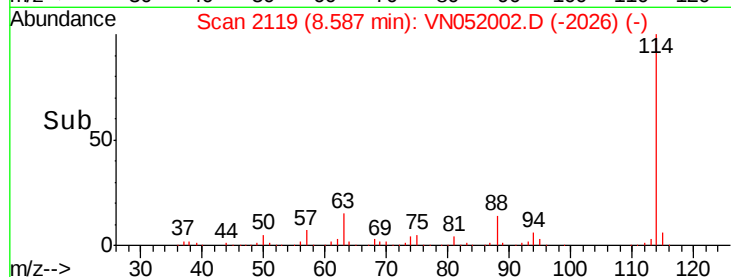
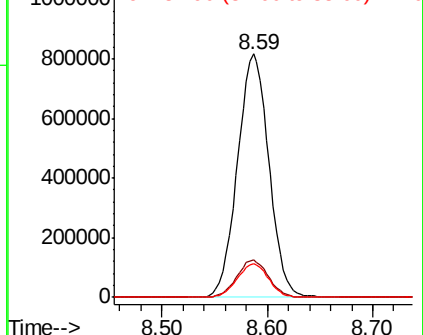
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052002.D
 Acq: 25 Oct 2018 10:54

Instrument :
 MSVOA_N
 ClientSampled :
 PB114157TB

Tot Ion:114 Resp: 1689548
 Ion Ratio Lower Upper
 114 100
 63 15.2 0.0 31.2
 88 13.7 0.0 27.0

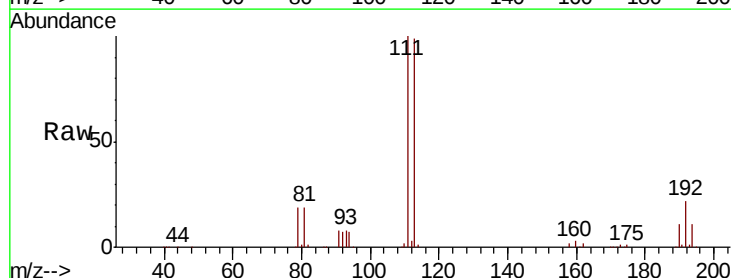


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

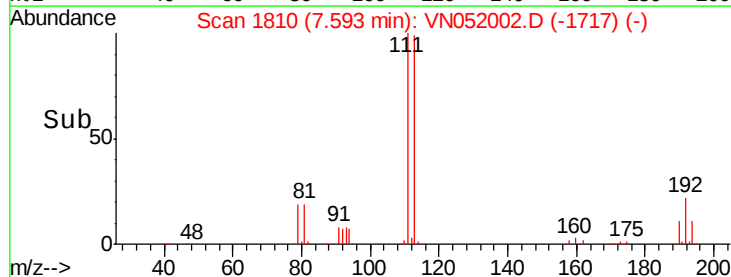
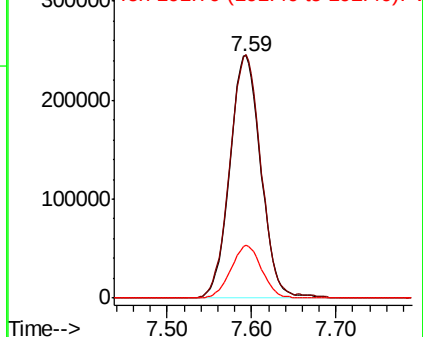


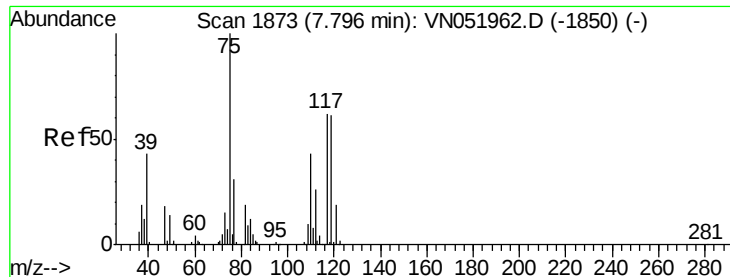
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN052002.D
 Acq: 25 Oct 2018 10:54

Tgt Ion:113 Resp: 625932
 Ion Ratio Lower Upper
 113 100
 111 101.7 80.7 121.1
 192 21.7 17.2 25.8



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: 5.290 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.13 min

Lab File: VN052002.D

Acq: 25 Oct 2018 10:54

Instrument :

MSVOA_N

ClientSampleId :

PB114157TB

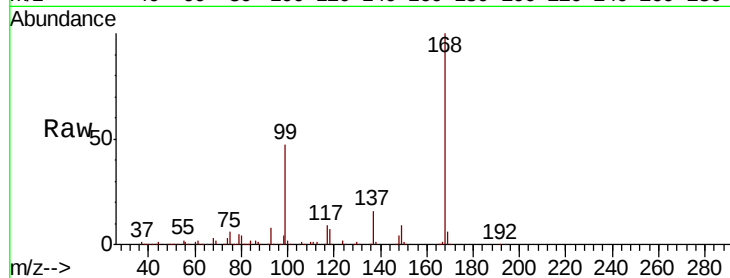
Tot Ion: 75 Resp: 68559

Ion Ratio Lower Upper

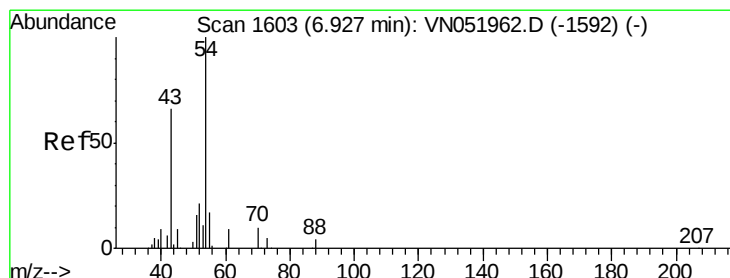
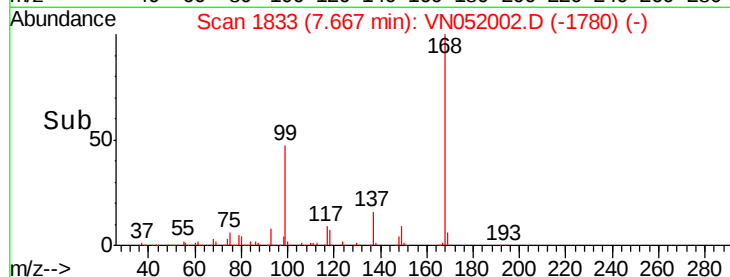
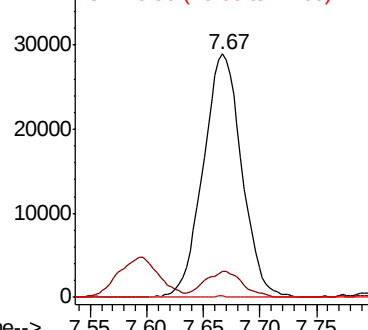
75 100

110 10.6 20.9 62.8#

77 0.1 24.9 37.3#



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 109.90 (109.60 to 110.60): VNO
Ion 76.90 (76.60 to 77.60): VNO



#37

Ethyl Acetate

Concen: Below Cal

RT: 6.91 min Scan# 1598

Delta R.T. -0.02 min

Lab File: VN052002.D

Acq: 25 Oct 2018 10:54

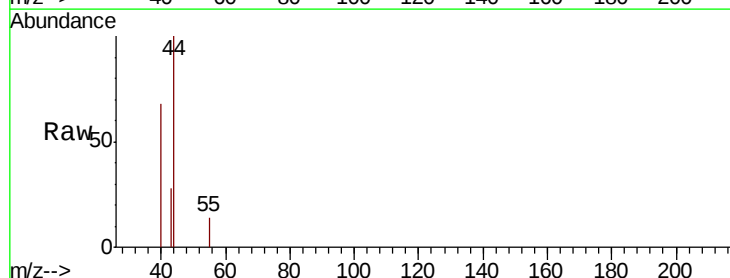
Tgt Ion: 43 Resp: 427

Ion Ratio Lower Upper

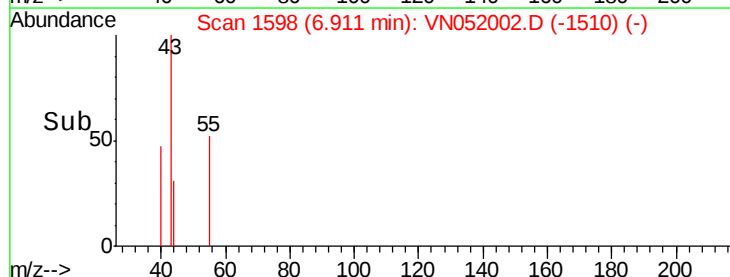
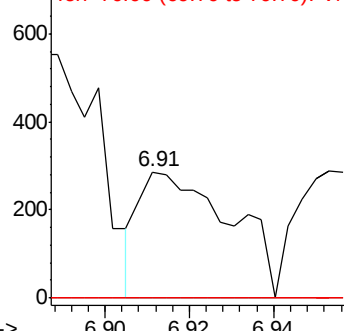
43 100

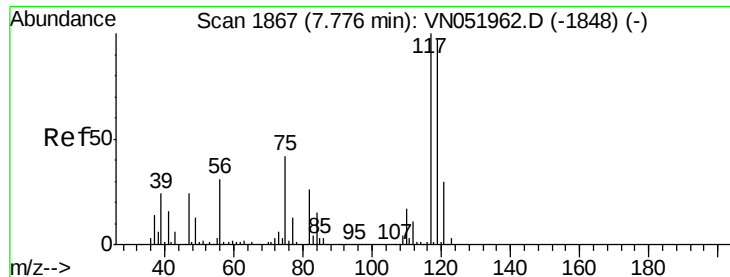
61 0.0 13.5 20.3#

70 0.0 9.8 14.6#



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 60.90 (60.60 to 61.60): VNO
Ion 70.00 (69.70 to 70.70): VNO





#38

Carbon Tetrachloride

Concen: 6.996 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN052002.D

Acq: 25 Oct 2018 10:54

Instrument :

MSVOA_N

ClientSampled :

PB114157TB

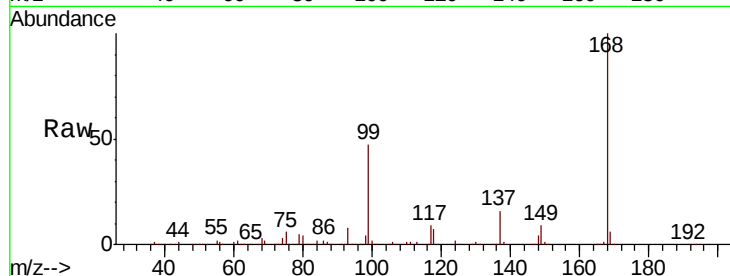
Tot Ion:117 Resp: 104090

Ion Ratio Lower Upper

117 100

119 4.6 77.4 116.0#

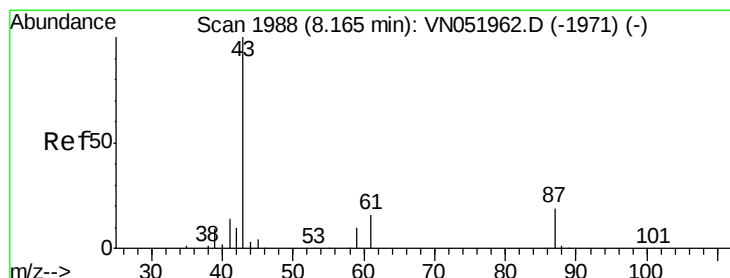
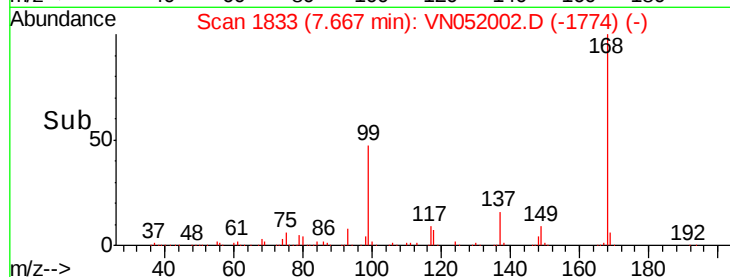
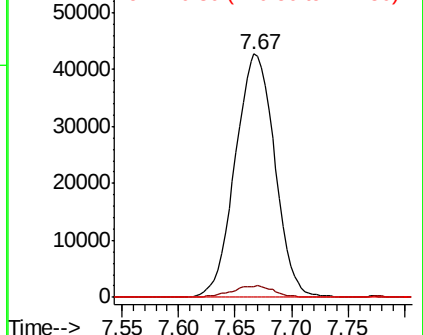
121 0.0 24.2 36.4#



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: 32.269 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN052002.D

Acq: 25 Oct 2018 10:54

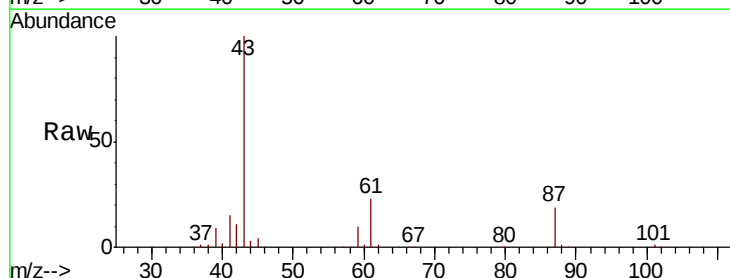
Tgt Ion: 43 Resp: 350251

Ion Ratio Lower Upper

43 100

61 22.1 17.2 25.8

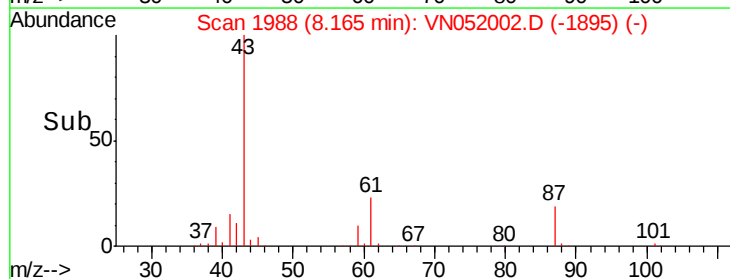
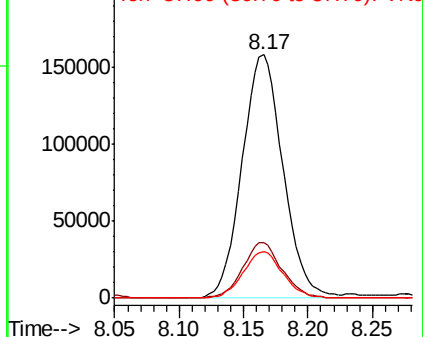
87 18.7 15.2 22.8

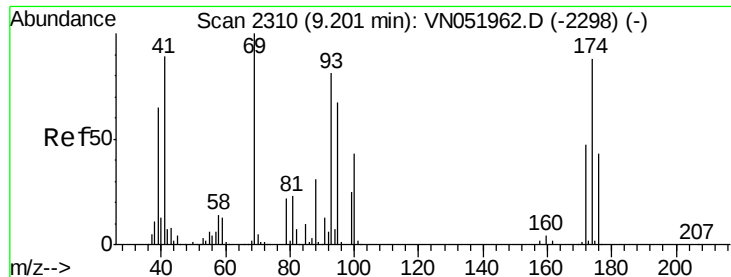


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

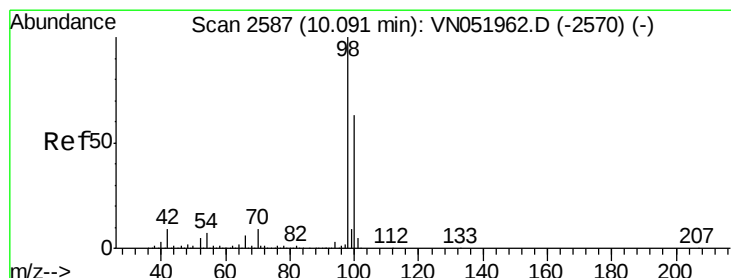
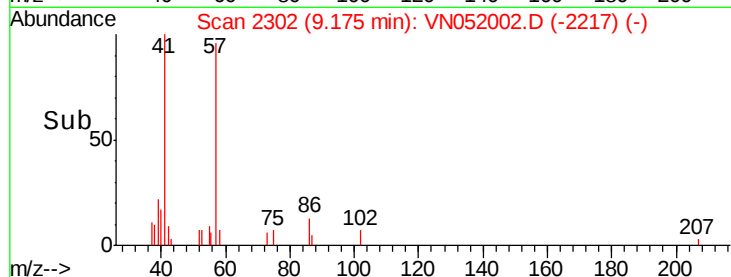
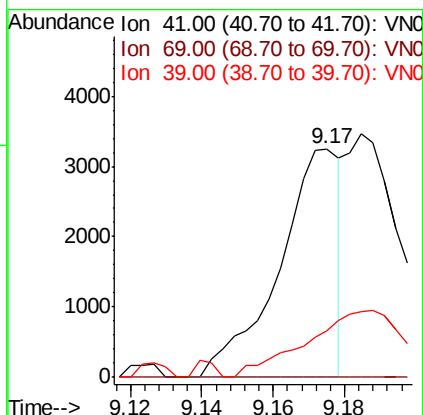
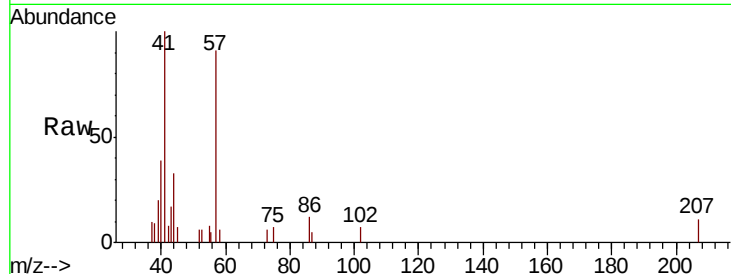




#48
Methvl methacrylate
Concen: 0.735 ug/l
RT: 9.17 min Scan# 2302
Delta R.T. -0.03 min
Lab File: VN052002.D
Acq: 25 Oct 2018 10:54

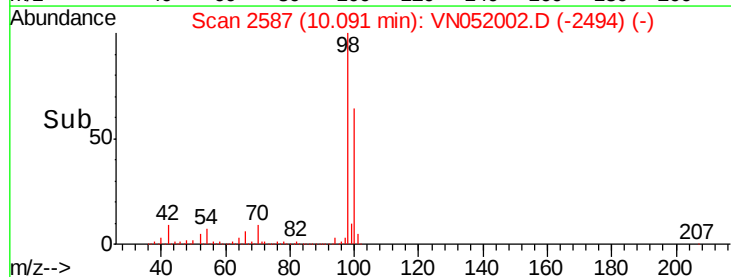
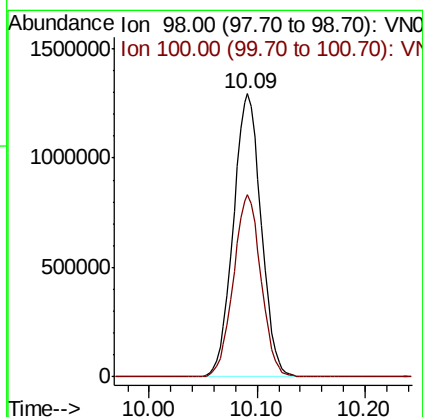
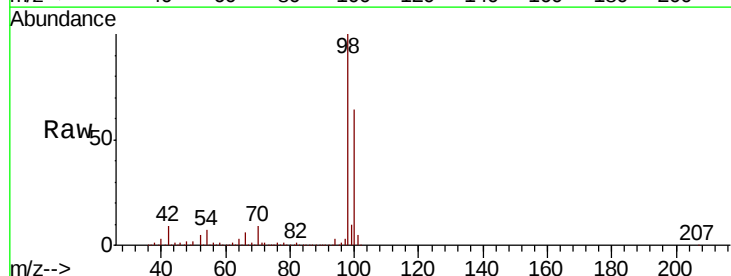
Instrument :
MSVOA_N
ClientSampleId :
PB114157TB

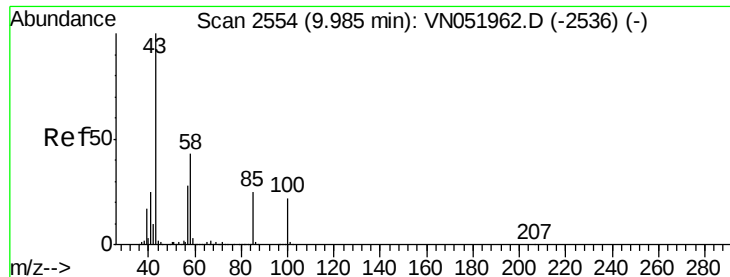
Tot Ion: 41 Resp: 3856
Ion Ratio Lower Upper
41 100
69 0.0 92.2 138.4#
39 48.3 60.2 90.4#



#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN052002.D
Acq: 25 Oct 2018 10:54

Tgt Ion: 98 Resp: 2326074
Ion Ratio Lower Upper
98 100
100 63.8 50.7 76.1

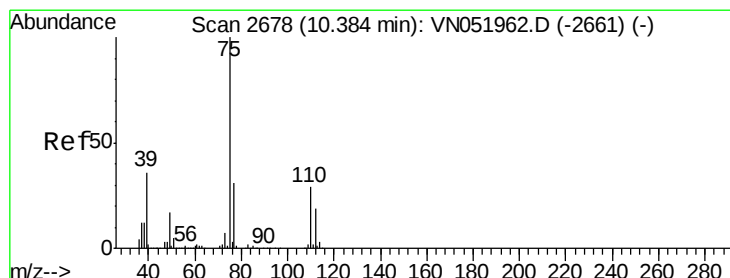
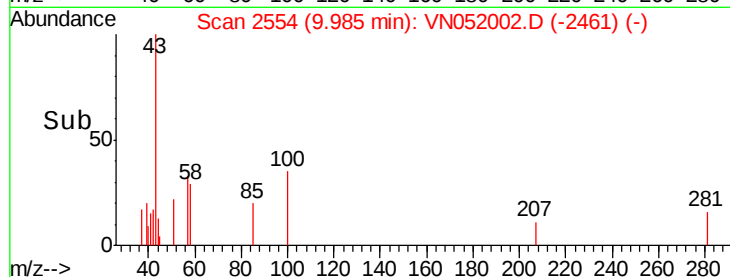
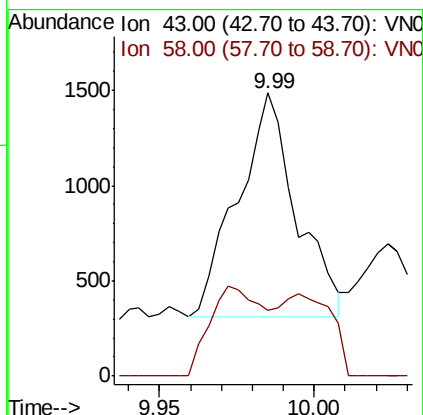
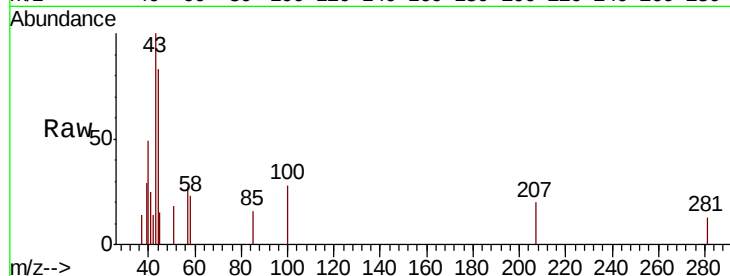




#51
 4-Methyl-2-Pentanone
 Concen: 0.261 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN052002.D
 Acq: 25 Oct 2018 10:54

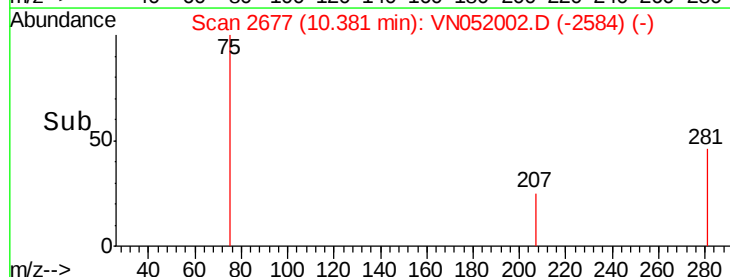
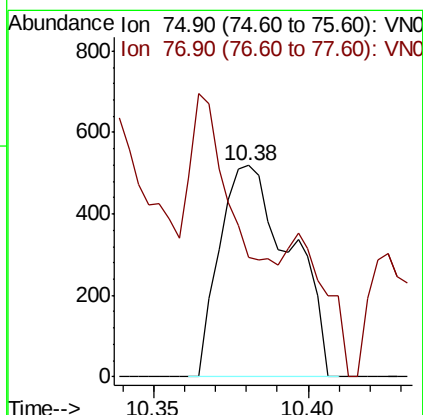
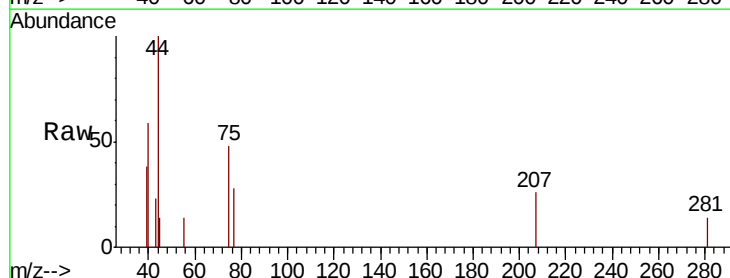
Instrument :
 MSVOA_N
 ClientSampleID :
 PB114157TB

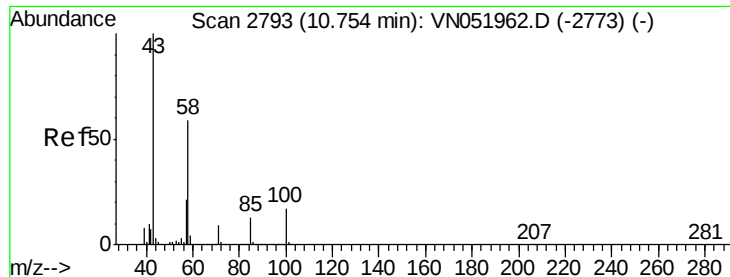
Tot Ion: 43 Resp: 1556
 Ion Ratio Lower Upper
 43 100
 58 35.8 34.8 52.2



#53
 t-1,3-Dichloropropene
 Concen: 1.304 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. -0.00 min
 Lab File: VN052002.D
 Acq: 25 Oct 2018 10:54

Tgt Ion: 75 Resp: 828
 Ion Ratio Lower Upper
 75 100
 77 18.7 25.0 37.4#

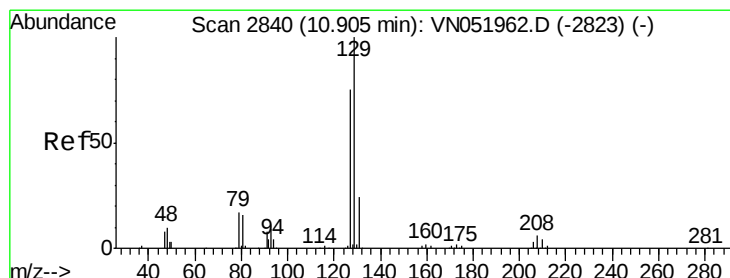
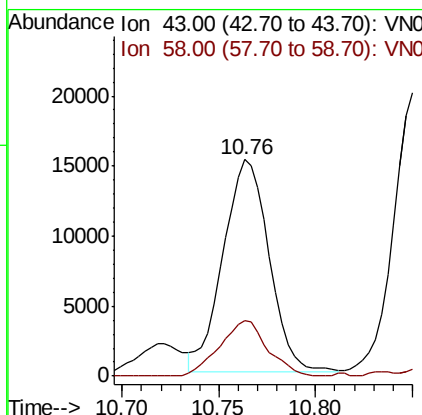
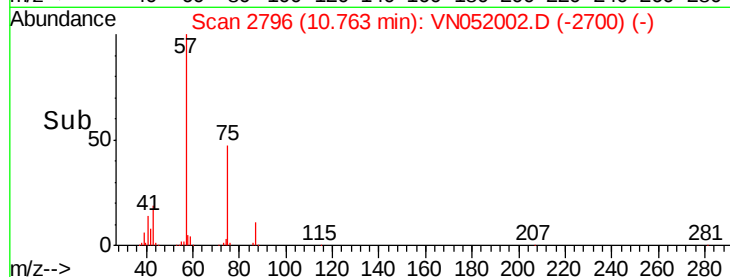
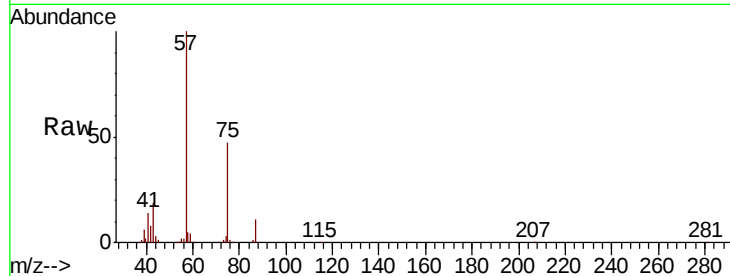




#59
2-Hexanone
Concen: 6.276 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN052002.D
Acq: 25 Oct 2018 10:54

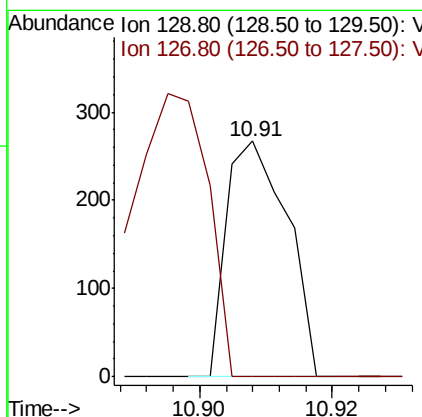
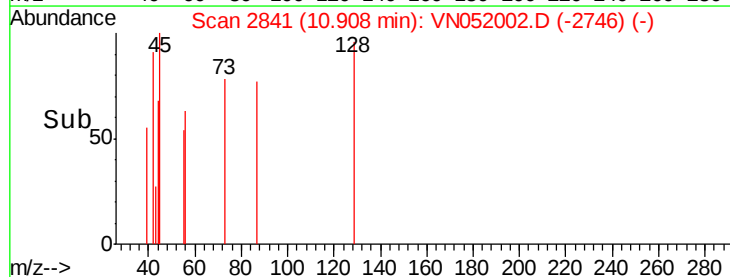
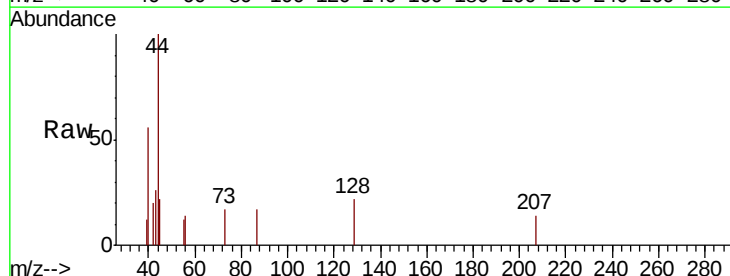
Instrument :
MSVOA_N
ClientSampled :
PB114157TB

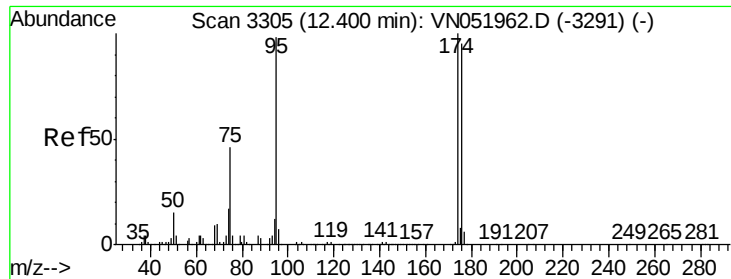
Tot Ion: 43 Resp: 25176
Ion Ratio Lower Upper
43 100
58 27.1 29.9 89.8#



#60
Dibromochloromethane
Concen: 1.991 ug/l
RT: 10.91 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN052002.D
Acq: 25 Oct 2018 10:54

Tgt Ion: 129 Resp: 171
Ion Ratio Lower Upper
129 100
127 142.7 38.0 114.0#





#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN052002.D

Acq: 25 Oct 2018 10:54

Instrument :

MSVOA_N

ClientSampleId :

PB114157TB

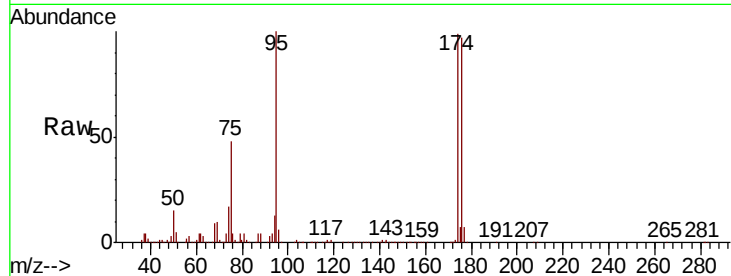
Tot Ion: 95 Resp: 758786

Ion Ratio Lower Upper

95 100

174 101.2 0.0 206.0

176 97.2 0.0 198.0

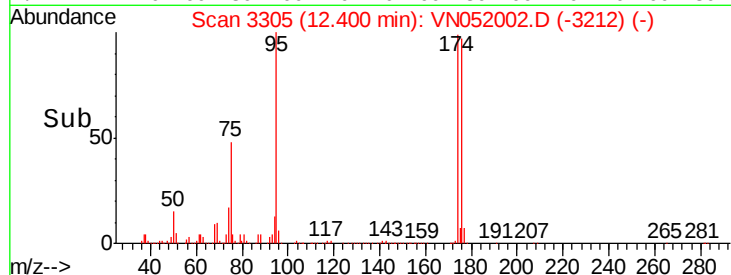


Abundance Ion 94.90 (94.60 to 95.60): VN051962.D (-3291) (-)

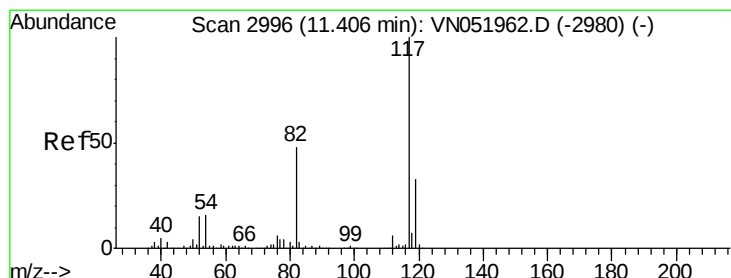
Ion 173.80 (173.50 to 174.50): VN051962.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN051962.D (-3291) (-)

12.40



Time--> 12.30 12.40 12.50



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN052002.D

Acq: 25 Oct 2018 10:54

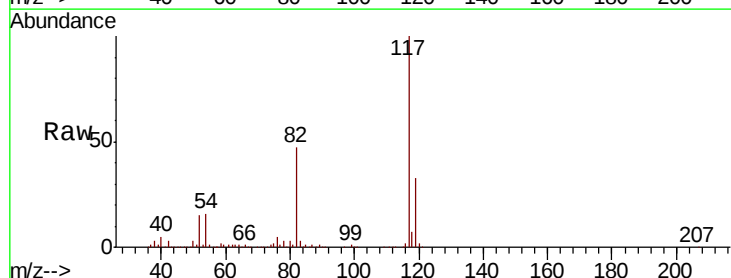
Tgt Ion: 117 Resp: 1617882

Ion Ratio Lower Upper

117 100

82 46.5 38.1 57.1

119 32.6 26.4 39.6

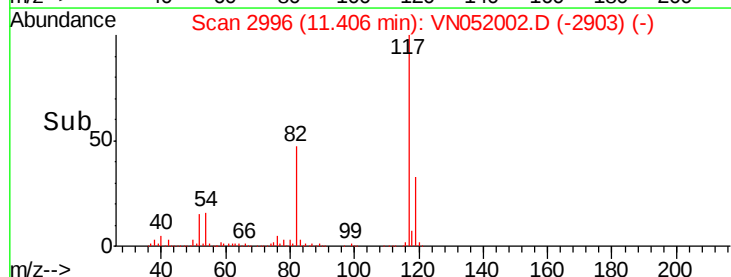


Abundance Ion 116.90 (116.60 to 117.60): VN051962.D (-2980) (-)

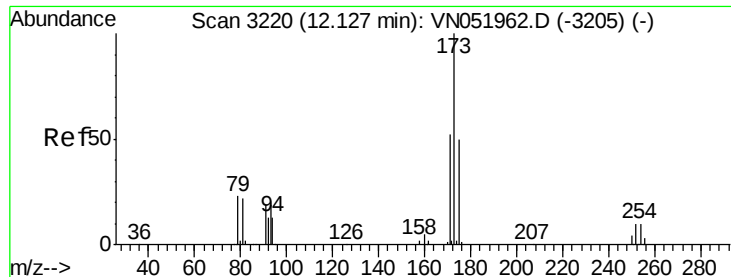
Ion 82.00 (81.70 to 82.70): VN051962.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN051962.D (-2980) (-)

11.41



Time--> 11.30 11.40 11.50



#71

Bromoform

Concen: 4.348 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN052002.D

Acq: 25 Oct 2018 10:54

Instrument :

MSVOA_N

ClientSampleId :

PB114157TB

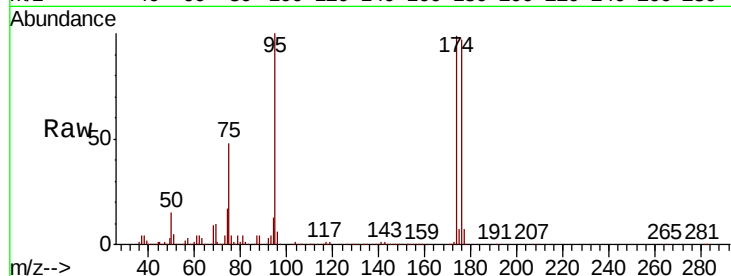
Tot Ion:173 Resp: 6144

Ion Ratio Lower Upper

173 100

175 804.4 24.6 74.0#

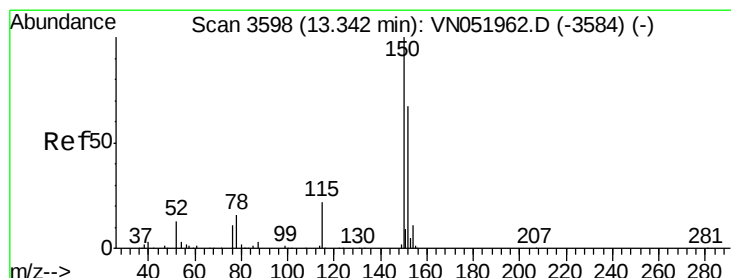
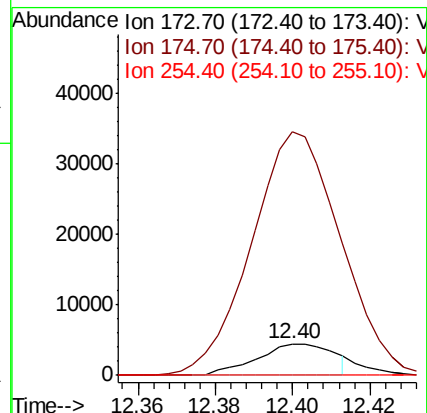
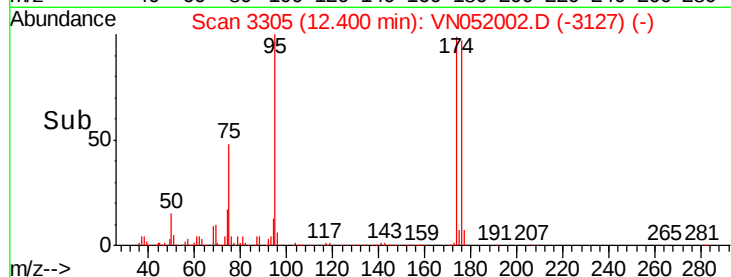
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN052002.D

Acq: 25 Oct 2018 10:54

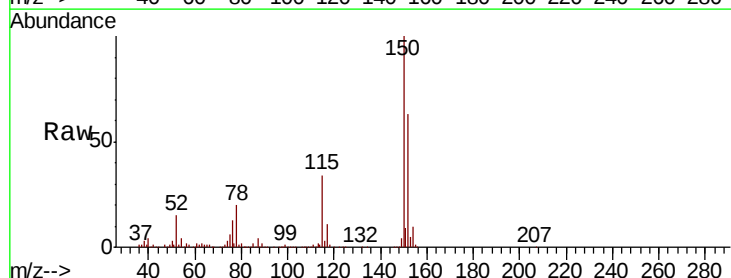
Tgt Ion:152 Resp: 741205

Ion Ratio Lower Upper

152 100

115 53.2 25.8 77.3

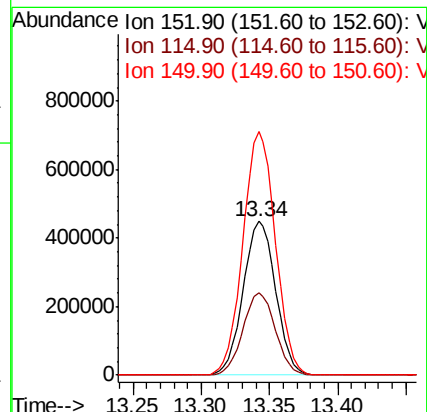
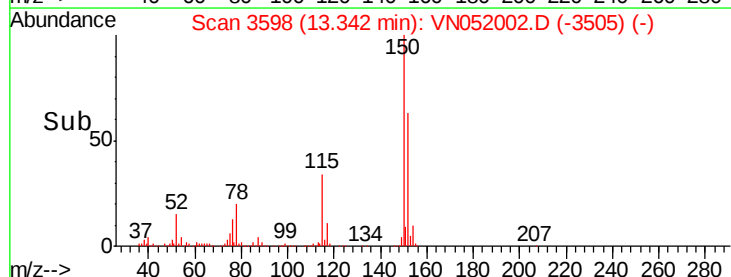
150 158.3 0.0 344.4

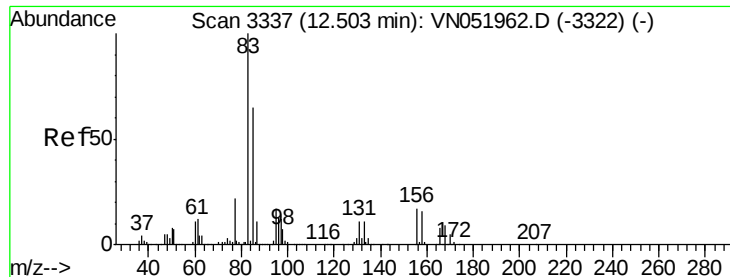


Abundance Ion 151.90 (151.60 to 152.60): V

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: 0.207 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN052002.D

Acq: 25 Oct 2018 10:54

Instrument :

MSVOA_N

ClientSampleId :

PB114157TB

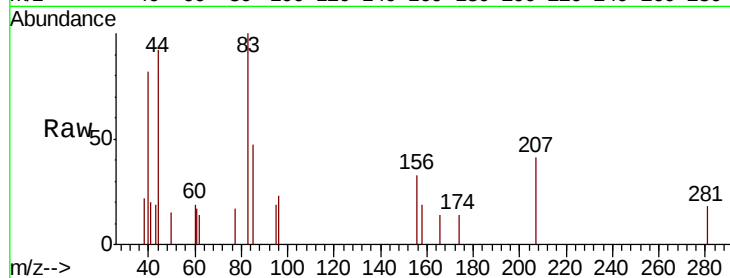
Tot Ion: 83 Resp: 2015

Ion Ratio Lower Upper

83 100

131 0.0 6.2 18.6#

85 21.7 32.7 98.1#



Abundance Ion 82.90 (82.60 to 83.60): VN051962.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN051962.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN051962.D (-3322) (-)

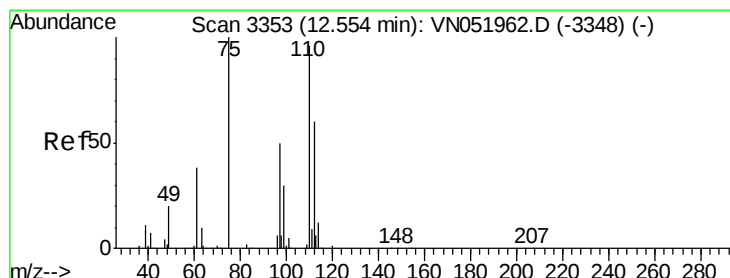
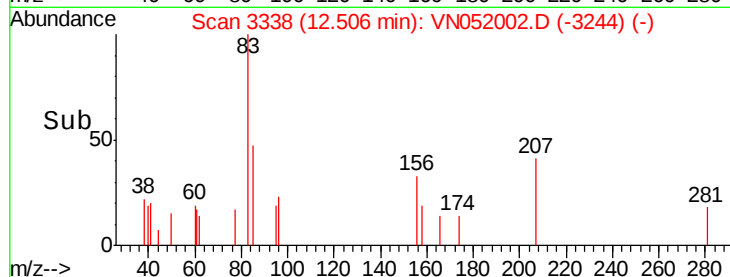
12.51

1000

500

0

Time-->



#76

1,2,3-Trichloropropane

Concen: 47.546 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN052002.D

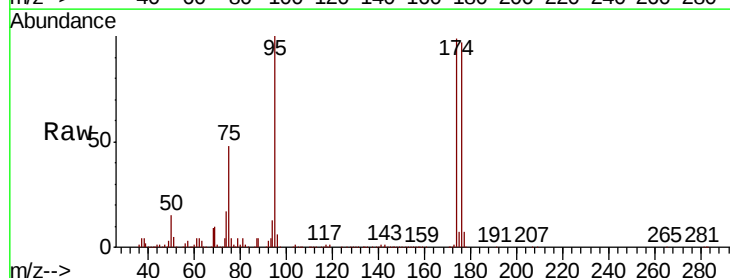
Acq: 25 Oct 2018 10:54

Tgt Ion: 75 Resp: 364024

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN051962.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN051962.D (-3348) (-)

12.40

250000

200000

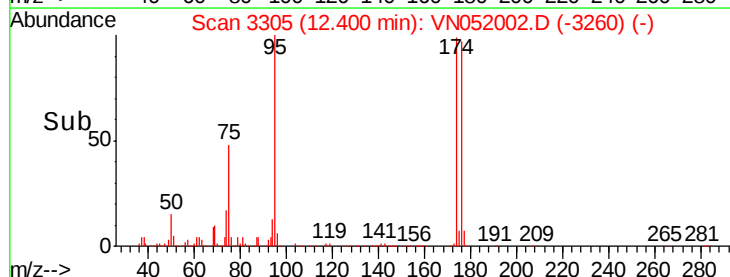
150000

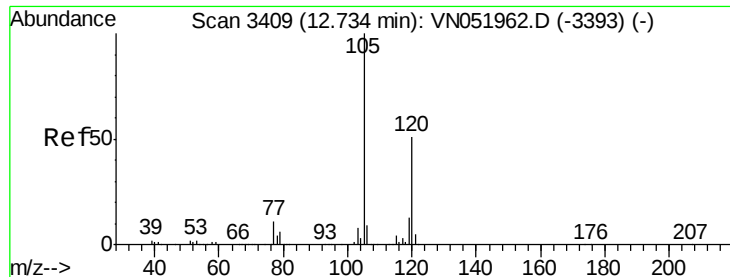
100000

50000

0

Time-->





#80

1,3,5-Trimethylbenzene

Concen: 0.243 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN052002.D

Acq: 25 Oct 2018 10:54

Instrument :

MSVOA_N

ClientSampleId :

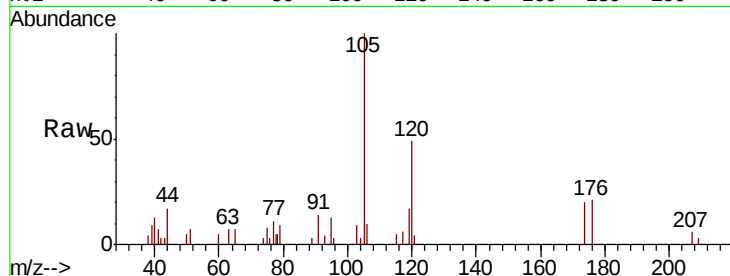
PB114157TB

Tot Ion:105 Resp: 9165

Ion Ratio Lower Upper

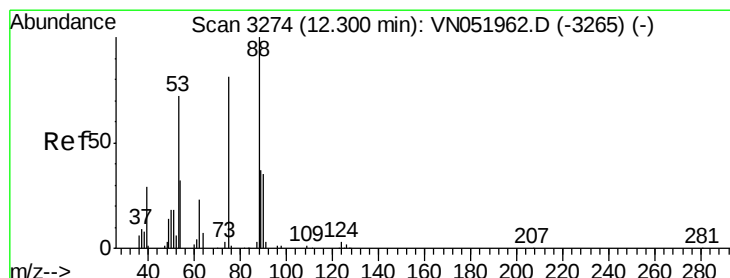
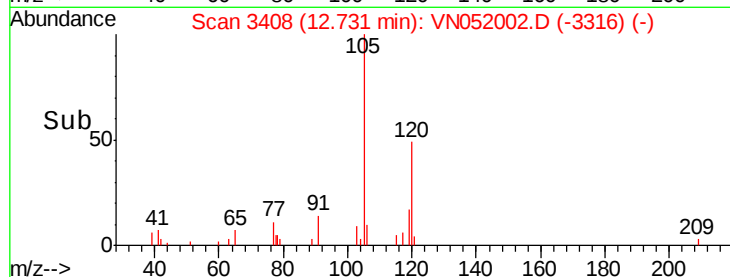
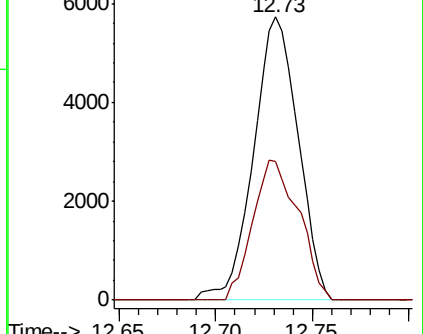
105 100

120 50.8 25.7 77.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 149.542 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN052002.D

Acq: 25 Oct 2018 10:54

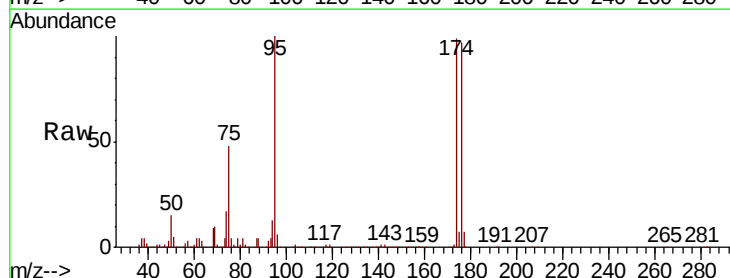
Tgt Ion: 75 Resp: 364024

Ion Ratio Lower Upper

75 100

53 0.0 73.5 110.3#

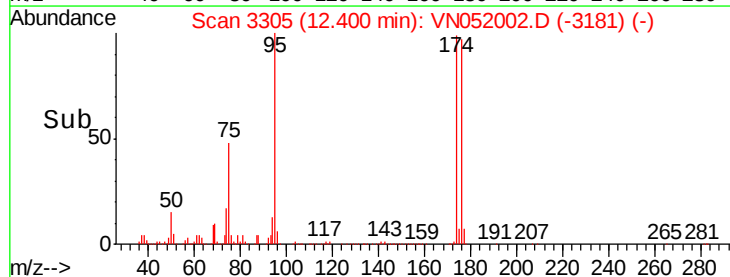
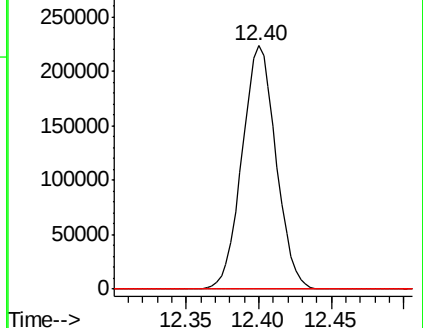
89 0.0 41.6 62.4#

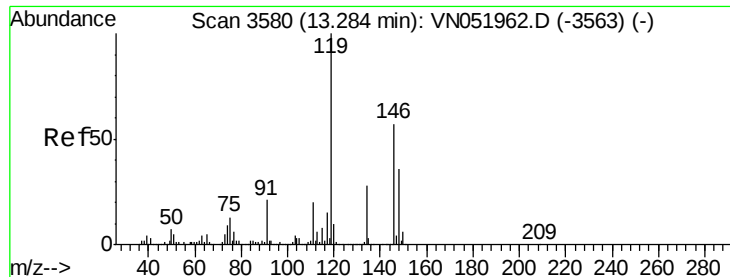


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

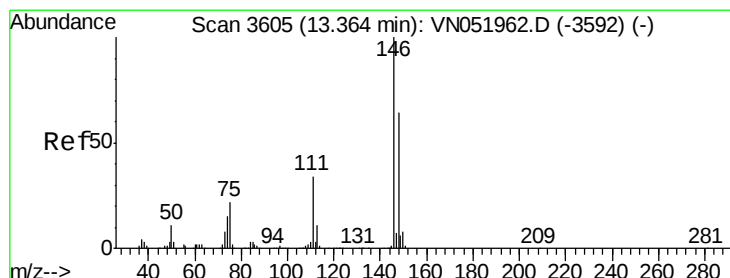
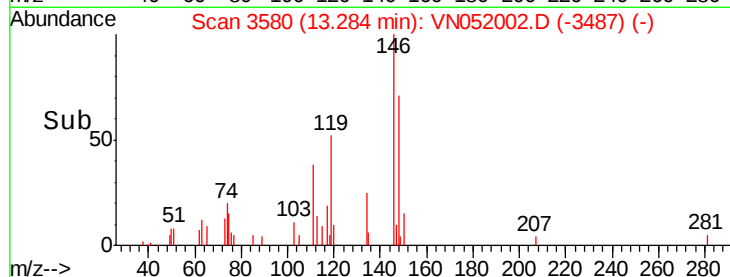
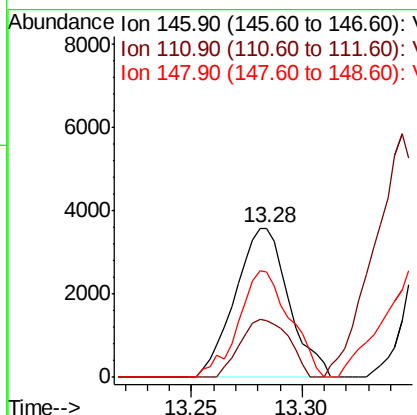
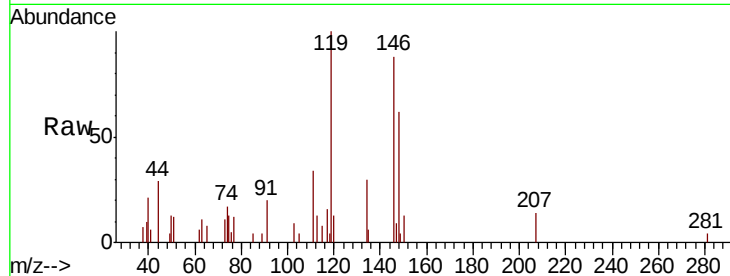




#87
 1,3-Dichlorobenzene
 Concen: 0.252 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN052002.D
 Acq: 25 Oct 2018 10:54

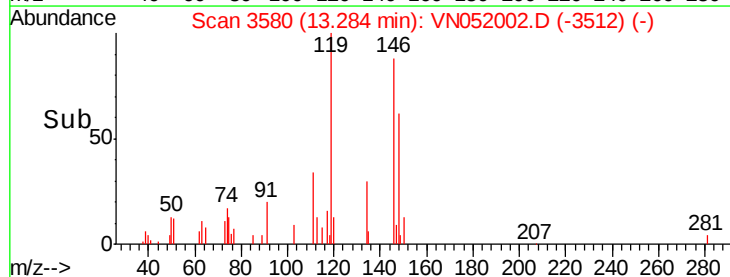
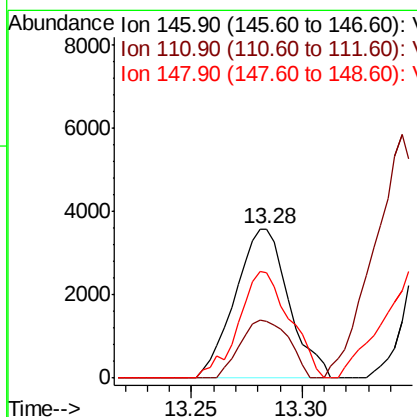
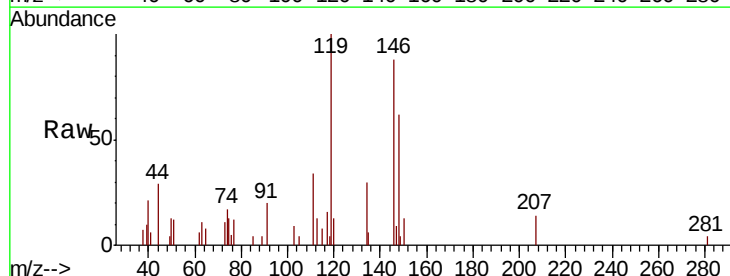
Instrument :
 MSVOA_N
 ClientSampleId :
 PB114157TB

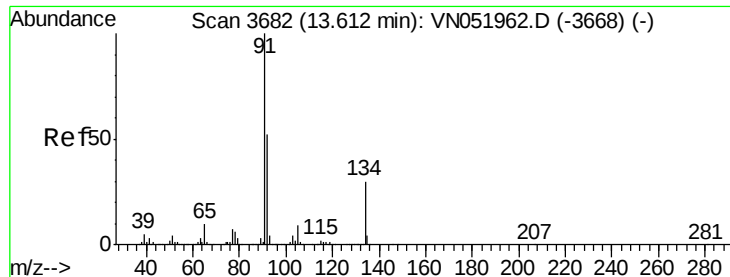
Tot Ion:146 Resp: 6025
 Ion Ratio Lower Upper
 146 100
 111 35.5 17.6 52.8
 148 68.3 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 0.255 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.08 min
 Lab File: VN052002.D
 Acq: 25 Oct 2018 10:54

Tgt Ion:146 Resp: 6025
 Ion Ratio Lower Upper
 146 100
 111 35.5 17.3 51.7
 148 68.3 32.1 96.3





#89

n-Butylbenzene

Concen: 0.269 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN052002.D

Acq: 25 Oct 2018 10:54

Instrument :

MSVOA_N

ClientSampleId :

PB114157TB

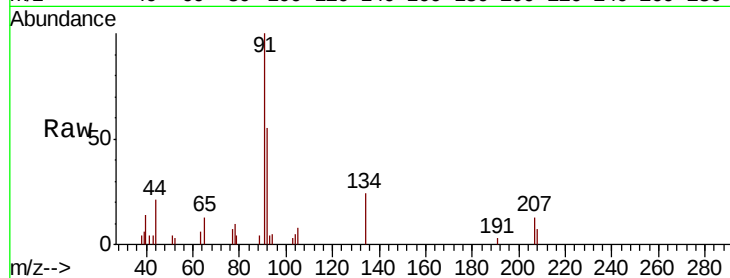
Tot Ion: 91 Resp: 8990

Ion Ratio Lower Upper

91 100

92 58.2 25.9 77.8

134 28.0 15.2 45.6

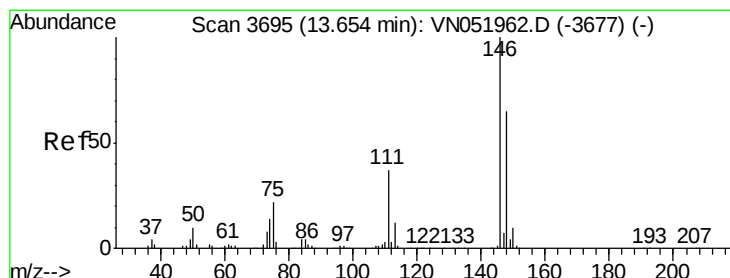
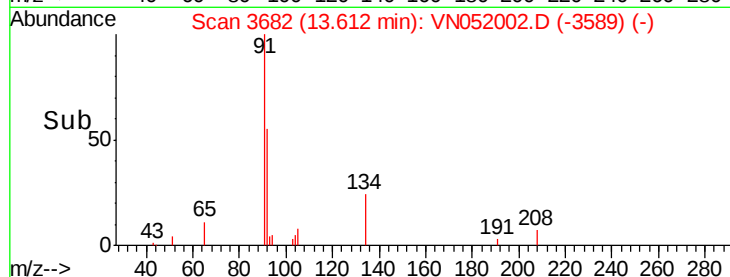
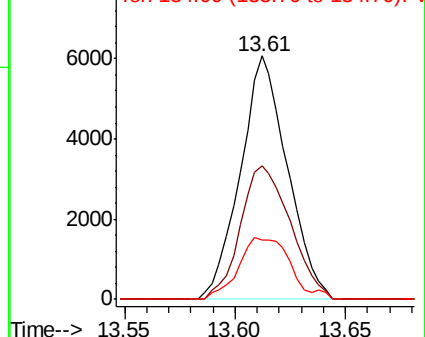


Abundance

Ion 91.00 (90.70 to 91.70): VN051962.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN051962.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN051962.D (-3668) (-)



#91

1,2-Dichlorobenzene

Concen: 0.286 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN052002.D

Acq: 25 Oct 2018 10:54

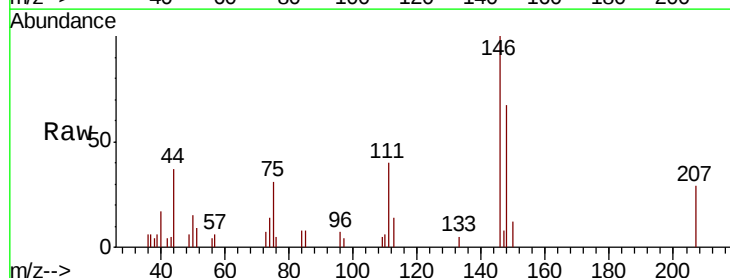
Tgt Ion: 146 Resp: 6611

Ion Ratio Lower Upper

146 100

111 35.9 18.3 54.9

148 64.8 32.4 97.0

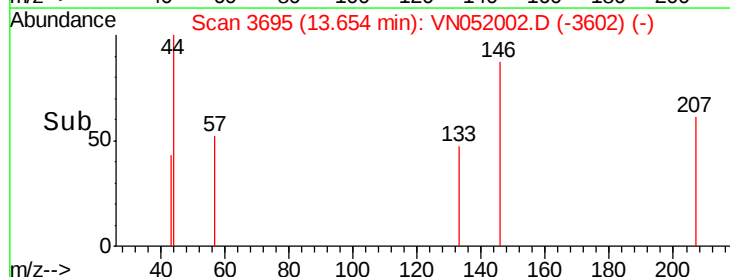
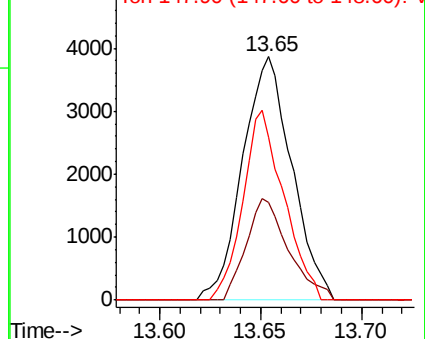


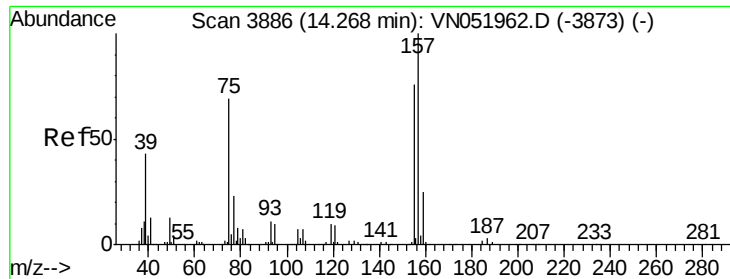
Abundance

Ion 145.90 (145.60 to 146.60): VN051962.D (-3677) (-)

Ion 110.90 (110.60 to 111.60): VN051962.D (-3677) (-)

Ion 147.90 (147.60 to 148.60): VN051962.D (-3677) (-)

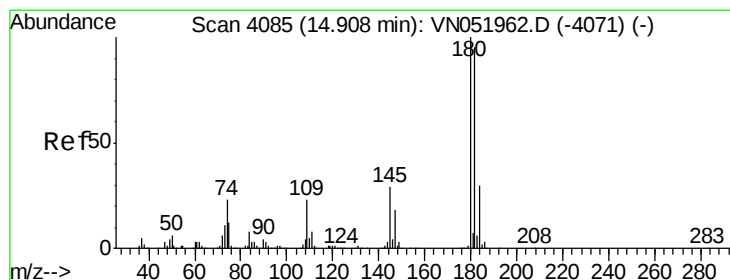
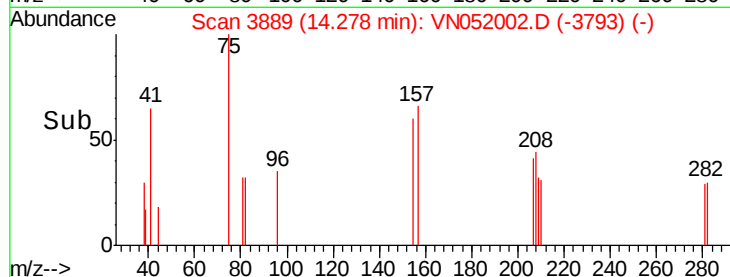
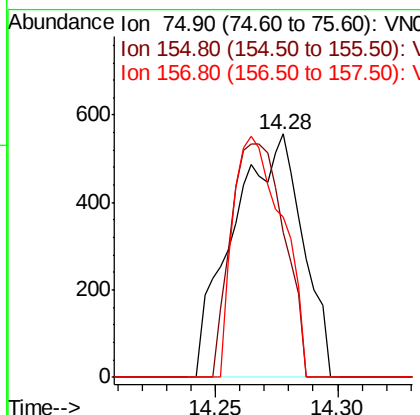
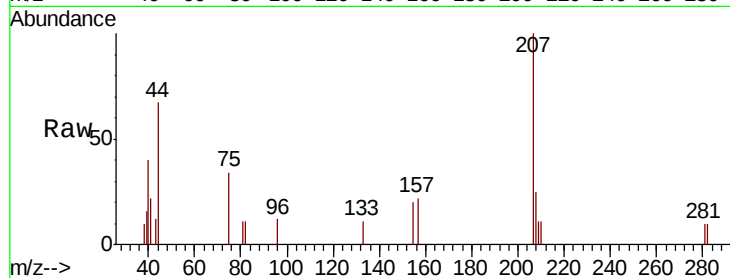




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.736 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.01 min
 Lab File: VN052002.D
 Acq: 25 Oct 2018 10:54

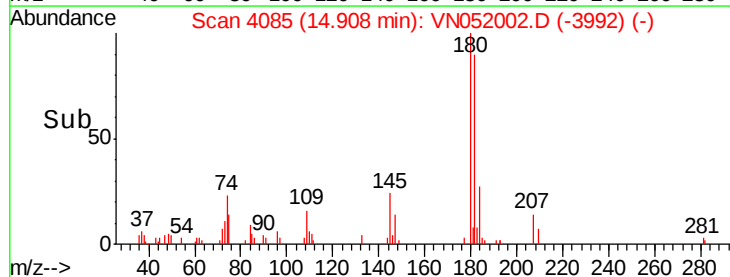
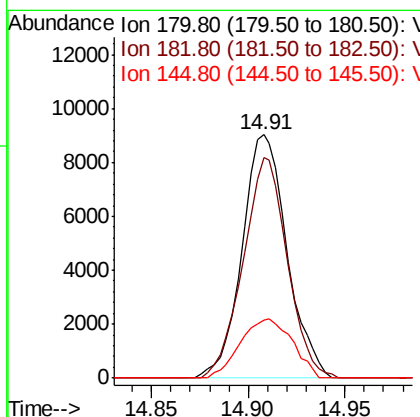
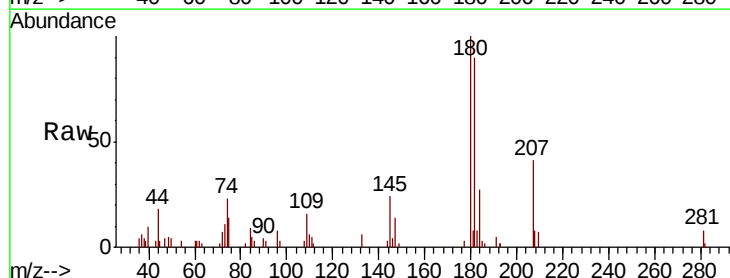
Instrument :
 MSVOA_N
 ClientSampleId :
 PB114157TB

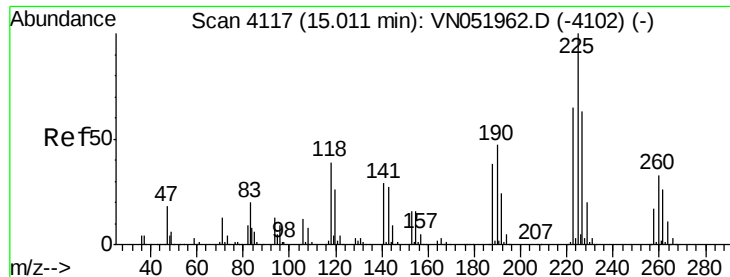
Tot Ion: 75 Resp: 1097
 Ion Ratio Lower Upper
 75 100
 155 73.7 56.0 167.9
 157 70.6 73.9 221.6#



#93
 1,2,4-Trichlorobenzene
 Concen: 1.068 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN052002.D
 Acq: 25 Oct 2018 10:54

Tgt Ion:180 Resp: 14599
 Ion Ratio Lower Upper
 180 100
 182 88.8 47.8 143.4
 145 28.0 14.5 43.5





#94

Hexachlorobutadiene

Concen: 0.796 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. -0.00 min

Lab File: VN052002.D

Acq: 25 Oct 2018 10:54

Instrument :

MSVOA_N

ClientSampleId :

PB114157TB

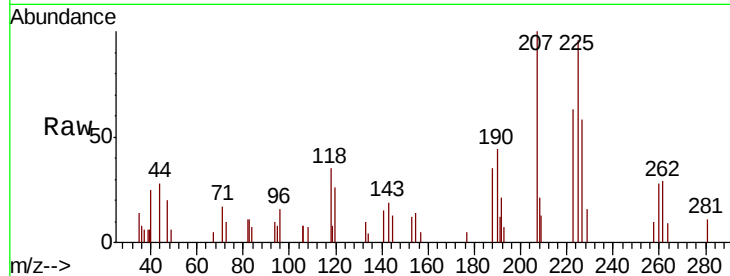
Tot Ion:225 Resp: 5589

Ion Ratio Lower Upper

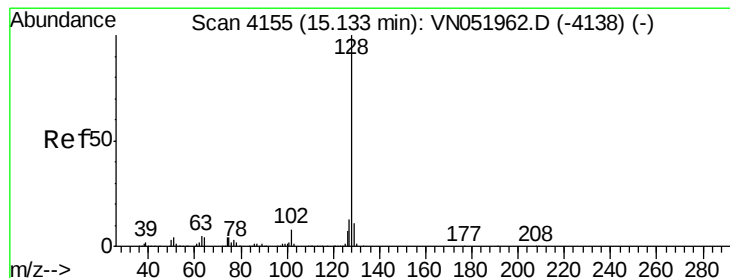
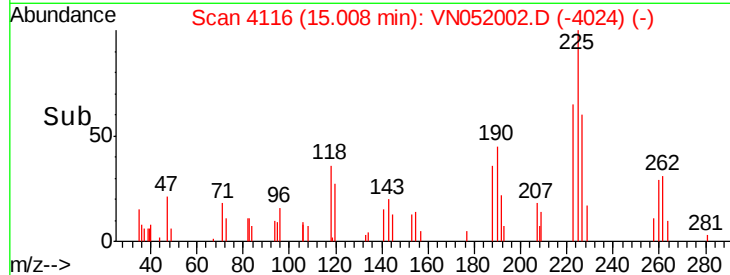
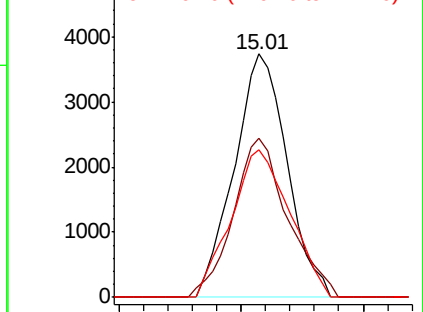
225 100

223 67.4 31.8 95.4

227 67.5 31.4 94.2



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: 0.939 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN052002.D

Acq: 25 Oct 2018 10:54

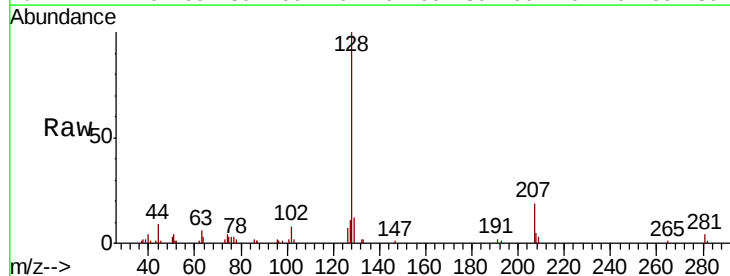
Tgt Ion:128 Resp: 27888

Ion Ratio Lower Upper

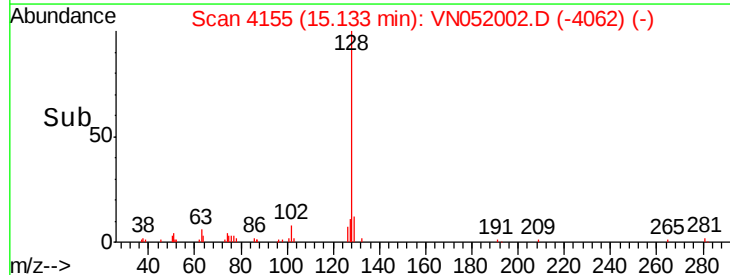
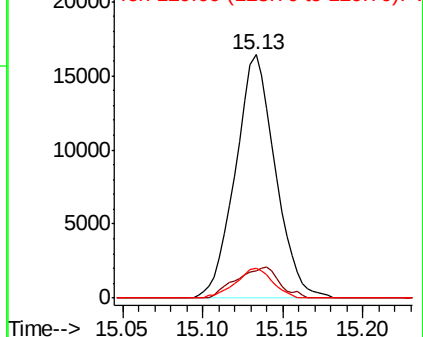
128 100

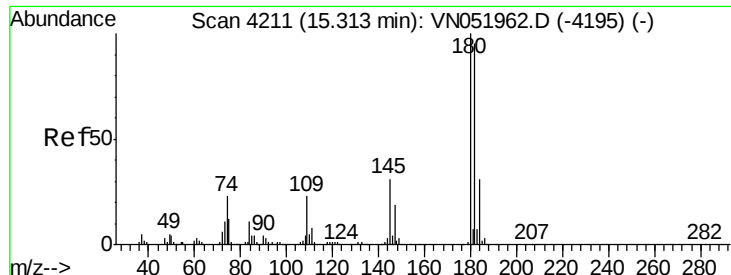
127 13.8 10.3 15.5

129 11.3 8.6 13.0



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: 1.104 ug/l
 RT: 15.32 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN052002.D
 Acq: 25 Oct 2018 10:54

Instrument :
 MSVOA_N
 ClientSampleId :
 PB114157TB

Tot Ion	Ratio	Lower	Upper
180	100		
182	90.7	47.9	143.6
145	32.4	15.4	46.2

