

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN103018\
 Data File : VN052062.D
 Acq On : 30 Oct 2018 14:02
 Operator : MD\SY
 Sample : VN1030WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1030WBL01

Quant Time: Oct 31 04:06:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N103018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 31 02:45:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	240422	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	456657	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	421369	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	164687	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	225326	58.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	116.80%	
35) Dibromofluoromethane	7.59	113	172108	60.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	120.48%	
50) Toluene-d8	10.09	98	708566	62.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	124.12%	
62) 4-Bromofluorobenzene	12.40	95	244124	58.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	116.48%	

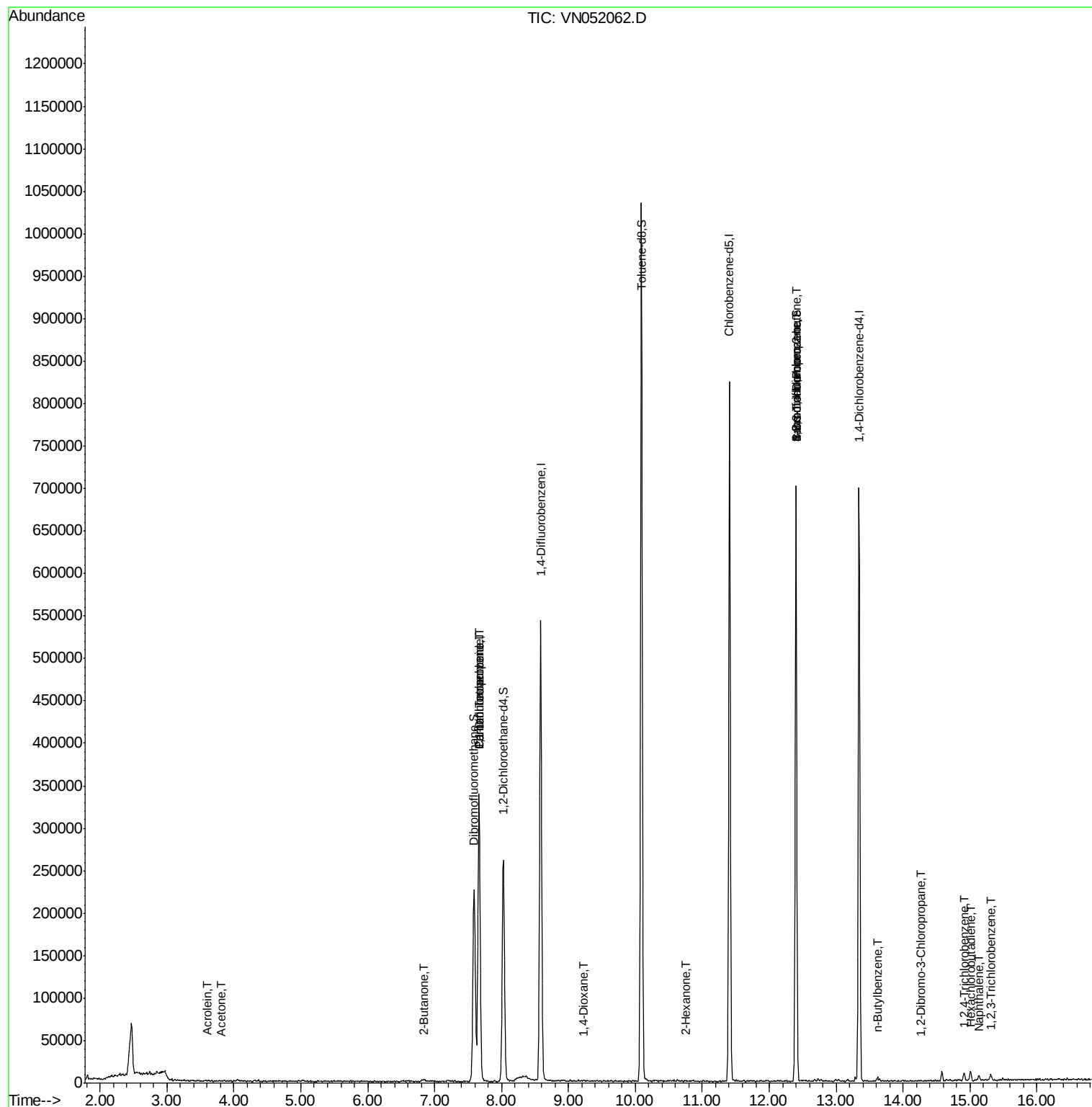
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.61	56	427	26.024	ug/l #	58
16) Acetone	3.82	43	576	0.699	ug/l #	44
25) 2-Butanone	6.83	43	288	0.223	ug/l #	50
31) Cyclohexane	7.67	56	6751	Below Cal	#	22
36) 1,1-Dichloropropene	7.66	75	23463	5.053	ug/l #	49
38) Carbon Tetrachloride	7.67	117	27946	6.980	ug/l #	16
49) 1,4-Dioxane	9.22	88	116	29.873	ug/l #	1
59) 2-Hexanone	10.74	43	782	0.365	ug/l	93
71) Bromoform	12.40	173	2642	3.589	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	133340	44.230	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	133340	146.808	ug/l #	9
89) n-Butylbenzene	13.62	91	3286	0.308	ug/l #	80
92) 1,2-Dibromo-3-Chloropropan	14.27	75	63	1.046	ug/l #	11
93) 1,2,4-Trichlorobenzene	14.91	180	2757	1.465	ug/l	83
94) Hexachlorobutadiene	15.01	225	1943	1.845	ug/l	94
95) Naphthalene	15.13	128	5232	1.109	ug/l #	89
96) 1,2,3-Trichlorobenzene	15.31	180	1747	1.076	ug/l	89

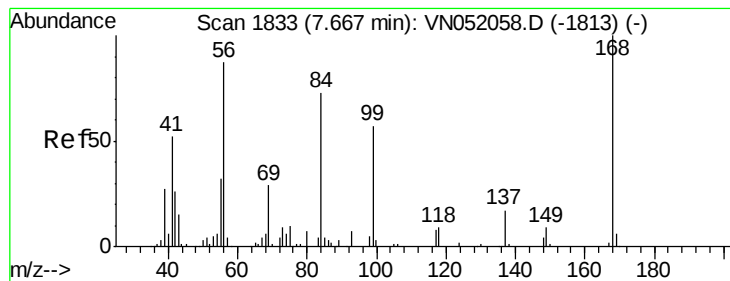
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN103018\
Data File : VN052062.D
Acq On : 30 Oct 2018 14:02
Operator : MD\SY
Sample : VN1030WBL01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VN1030WBL01

Quant Time: Oct 31 04:06:04 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N103018W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 31 02:45:22 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052062.D

Acq: 30 Oct 2018 14:02

Instrument :

MSVOA_N

ClientSampled :

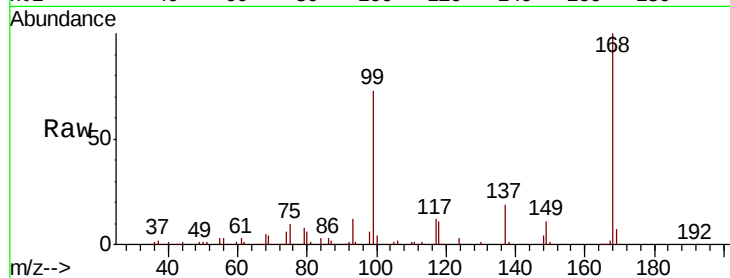
VN1030WBL01

Tgt Ion:168 Resp: 240422

Ion Ratio Lower Upper

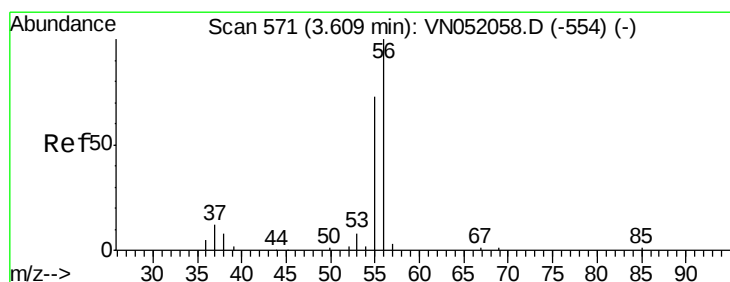
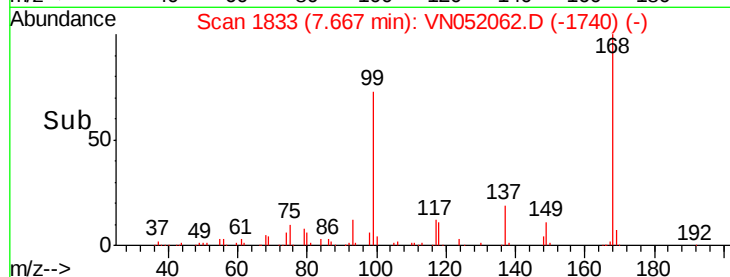
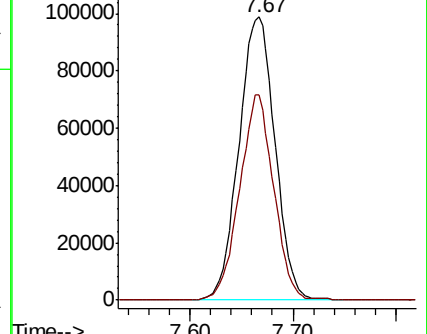
168 100

99 72.6 56.6 85.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#13

Acrolein

Concen: 26.024 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN052062.D

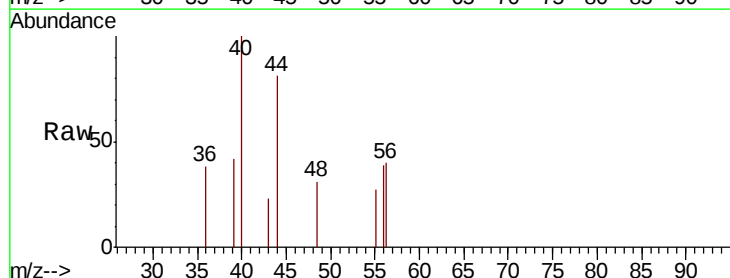
Acq: 30 Oct 2018 14:02

Tgt Ion: 56 Resp: 427

Ion Ratio Lower Upper

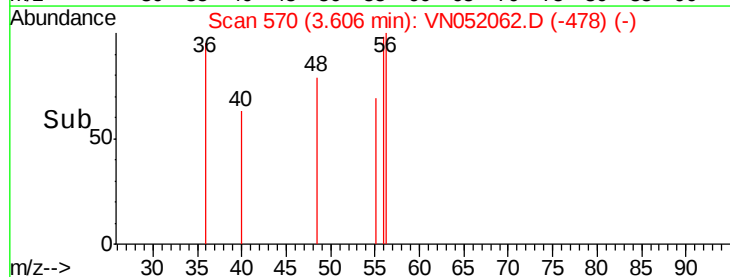
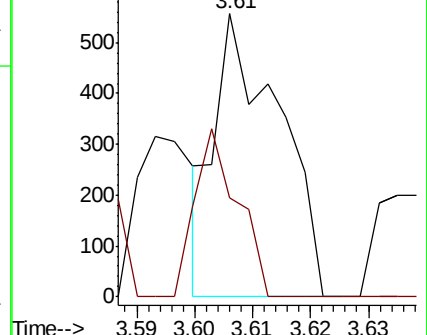
56 100

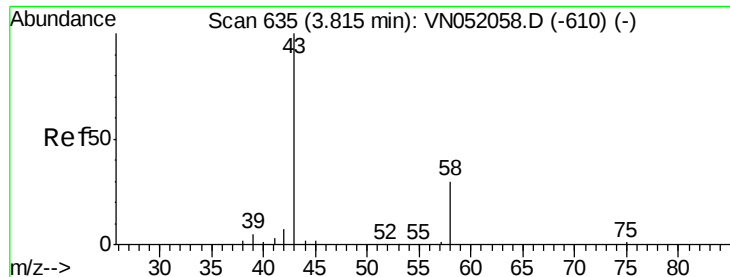
55 39.3 59.9 89.9#



Abundance Ion 56.00 (55.70 to 56.70): VN

Ion 55.00 (54.70 to 55.70): VN





#16

Acetone

Concen: 0.699 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN052062.D

Acq: 30 Oct 2018 14:02

Instrument :

MSVOA_N

ClientSampled :

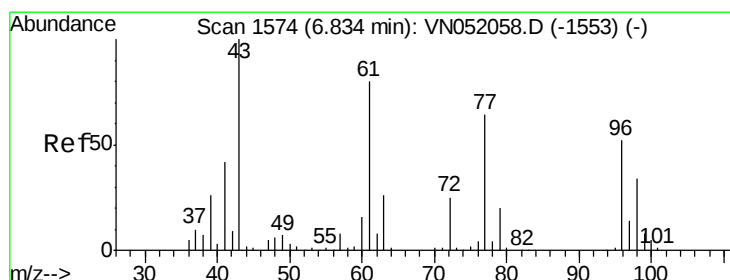
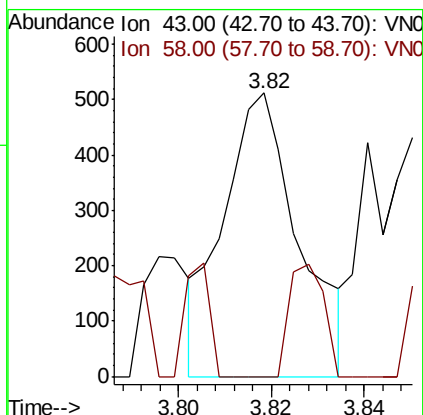
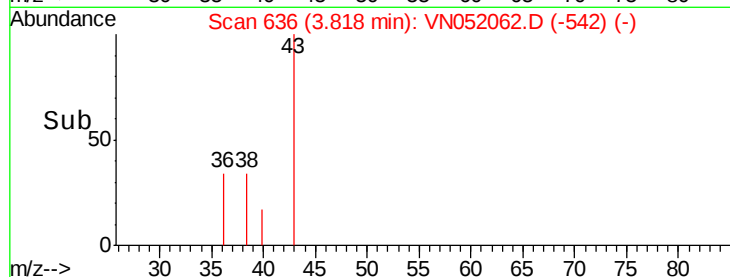
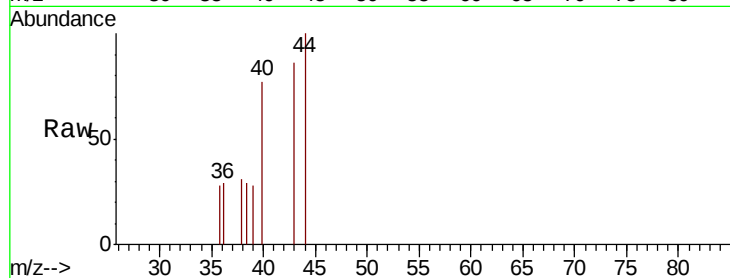
VN1030WBL01

Tgt Ion: 43 Resp: 576

Ion Ratio Lower Upper

43 100

58 0.0 24.2 36.2#



#25

2-Butanone

Concen: 0.223 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.01 min

Lab File: VN052062.D

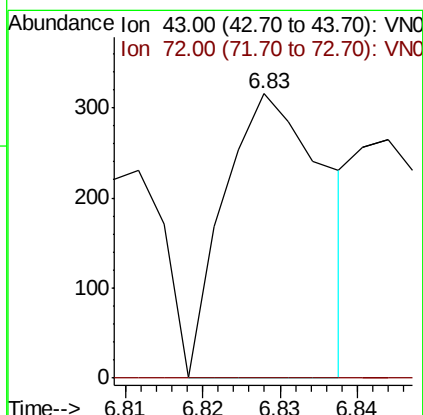
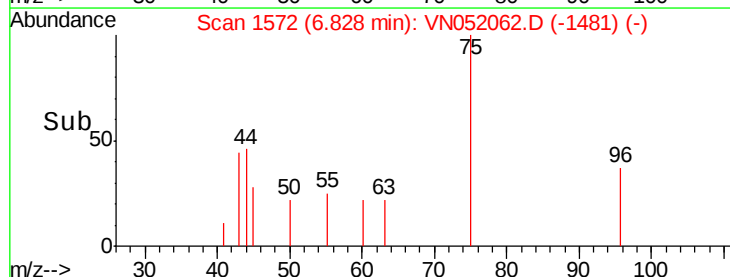
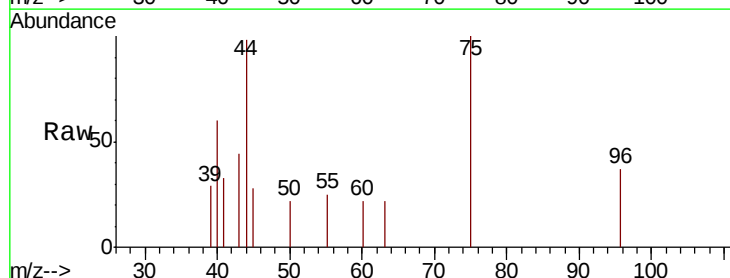
Acq: 30 Oct 2018 14:02

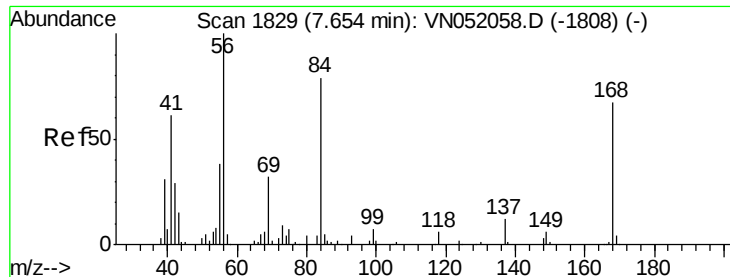
Tgt Ion: 43 Resp: 288

Ion Ratio Lower Upper

43 100

72 0.0 20.2 30.2#

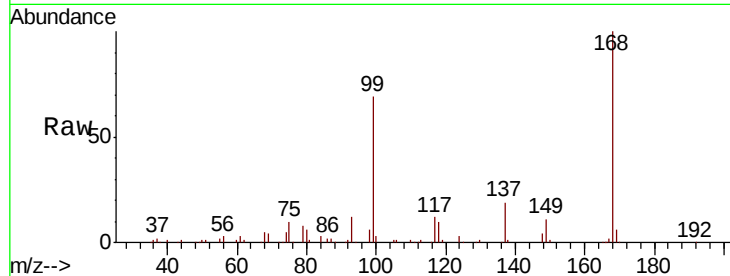




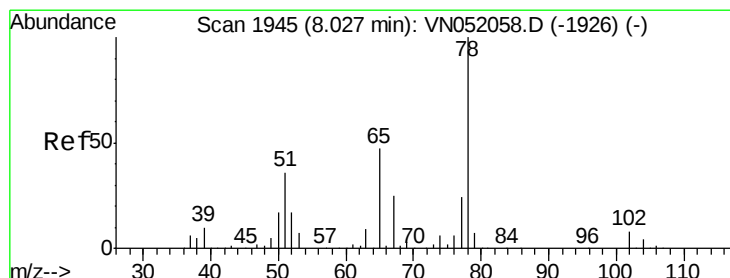
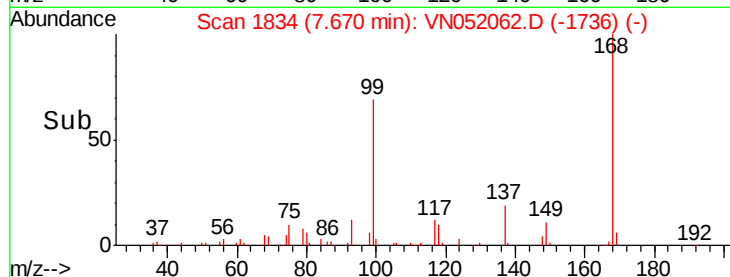
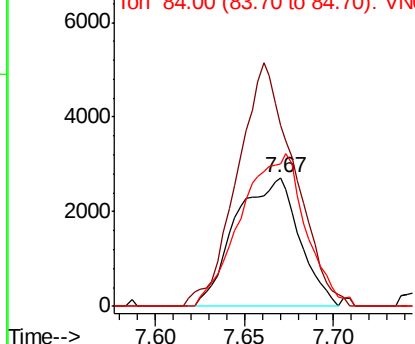
#31
Cyclohexane
Concen: Below Cal
RT: 7.67 min Scan# 1834
Delta R.T. 0.02 min
Lab File: VN052062.D
Acq: 30 Oct 2018 14:02

Instrument :
MSVOA_N
ClientSampleId :
VN1030WBL01

Tgt Ion: 56 Resp: 6751
Ion Ratio Lower Upper
56 100
69 133.5 25.8 38.6#
84 110.9 63.5 95.3#

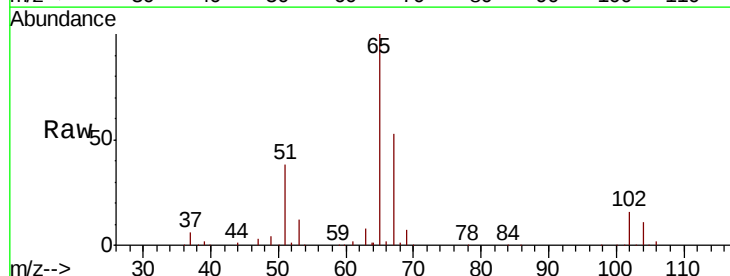


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

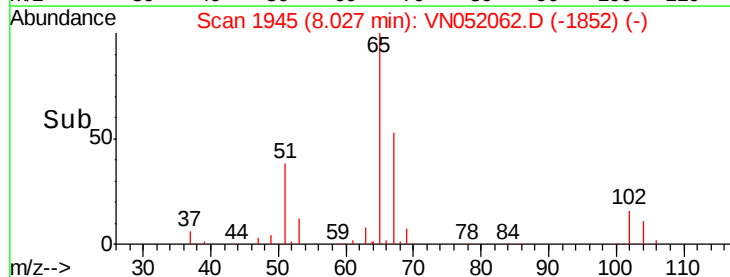
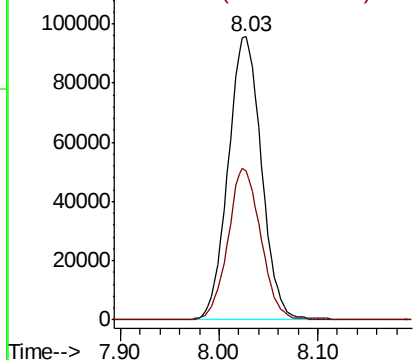


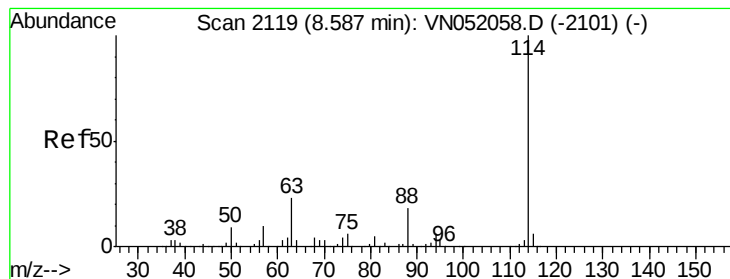
#33
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN052062.D
Acq: 30 Oct 2018 14:02

Tgt Ion: 65 Resp: 225326
Ion Ratio Lower Upper
65 100
67 52.9 0.0 105.2



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





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN052062.D

Acq: 30 Oct 2018 14:02

Instrument :

MSVOA_N

ClientSampleId :

VN1030WBL01

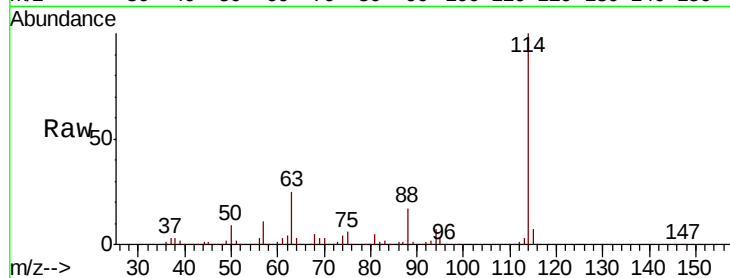
Tgt Ion:114 Resp: 456657

Ion Ratio Lower Upper

114 100

63 24.9 0.0 46.0

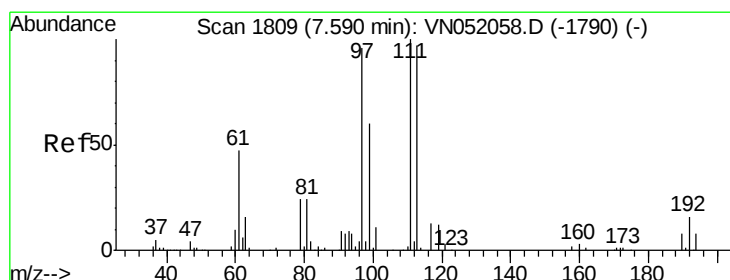
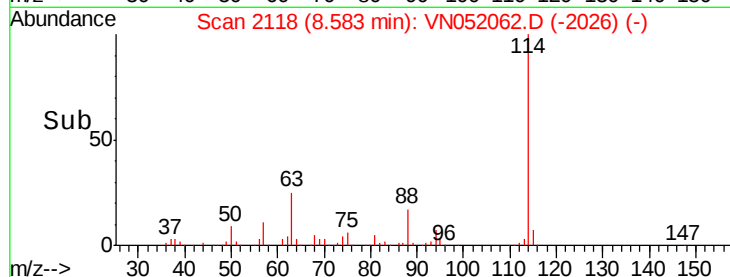
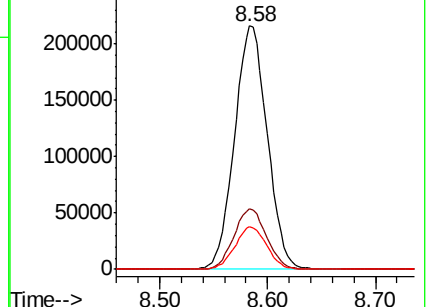
88 17.3 0.0 35.4



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



#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN052062.D

Acq: 30 Oct 2018 14:02

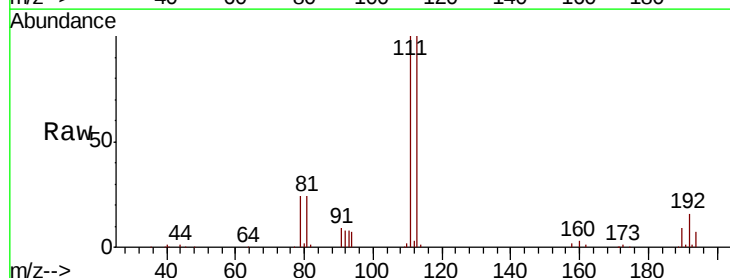
Tgt Ion:113 Resp: 172108

Ion Ratio Lower Upper

113 100

111 103.5 83.1 124.7

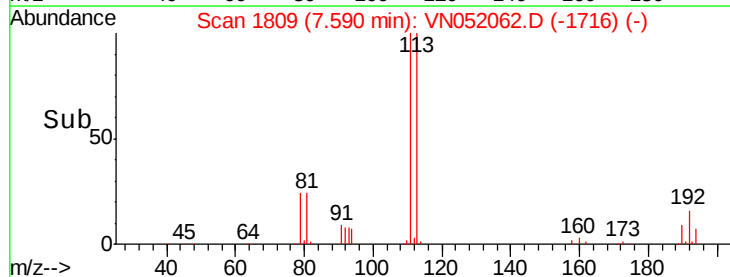
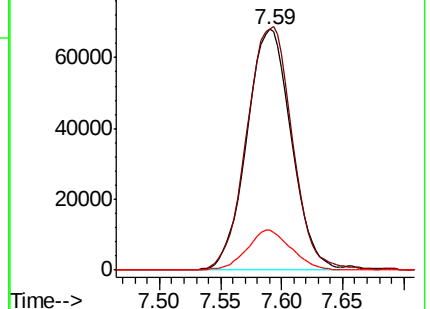
192 16.5 12.7 19.1

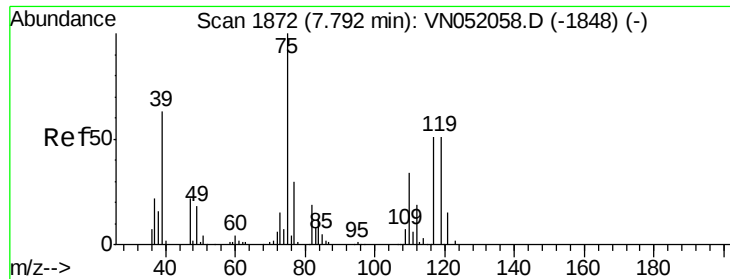


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.053 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN052062.D

Acq: 30 Oct 2018 14:02

Instrument :

MSVOA_N

ClientSampled :

VN1030WBL01

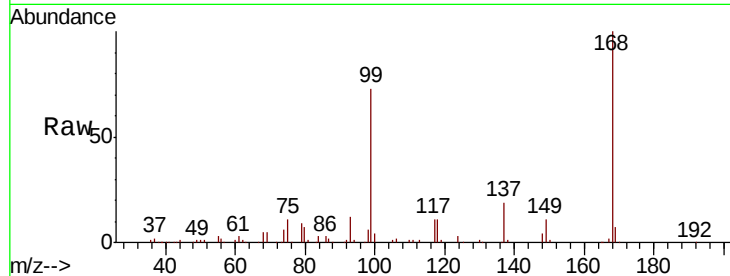
Tgt Ion: 75 Resp: 23463

Ion Ratio Lower Upper

75 100

110 6.6 16.0 48.0#

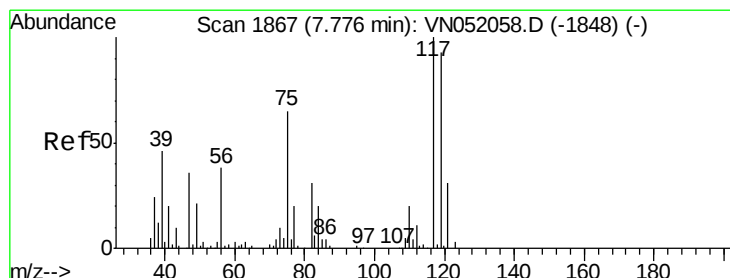
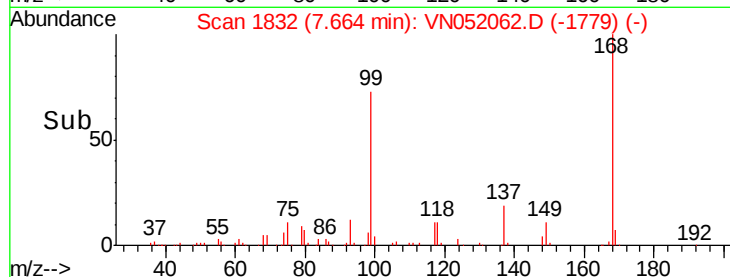
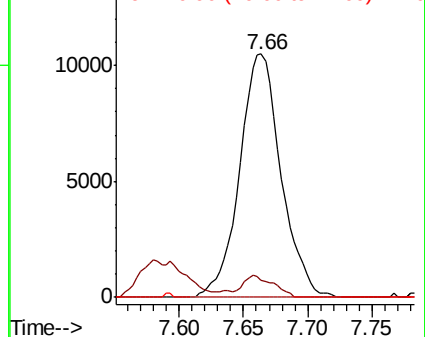
77 0.0 24.5 36.7#



Abundance Ion 74.90 (74.60 to 75.60): VN052058.D (-1848) (-)

Ion 109.90 (109.60 to 110.60): VN052058.D (-1848) (-)

Ion 76.90 (76.60 to 77.60): VN052058.D (-1848) (-)



#38

Carbon Tetrachloride

Concen: 6.980 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN052062.D

Acq: 30 Oct 2018 14:02

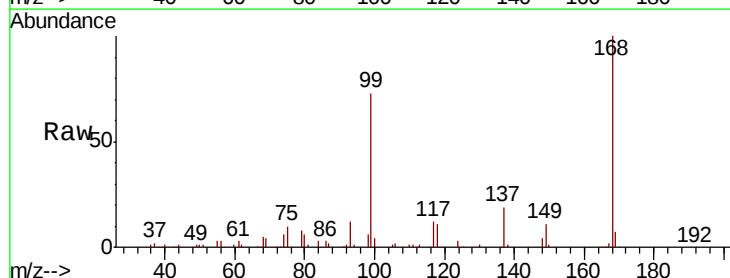
Tgt Ion: 117 Resp: 27946

Ion Ratio Lower Upper

117 100

119 4.1 74.8 112.2#

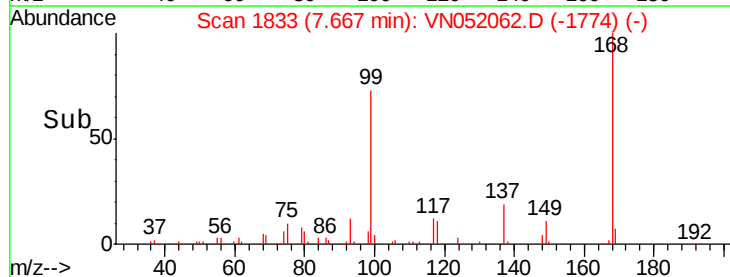
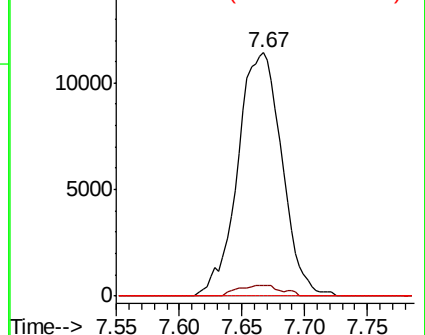
121 0.0 25.1 37.7#

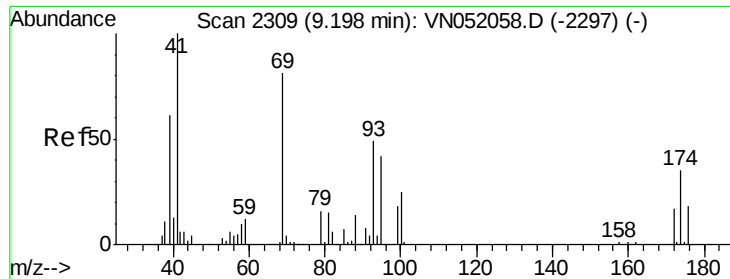


Abundance Ion 116.80 (116.50 to 117.50): VN052058.D (-1848) (-)

Ion 118.80 (118.50 to 119.50): VN052058.D (-1848) (-)

Ion 120.80 (120.50 to 121.50): VN052058.D (-1848) (-)

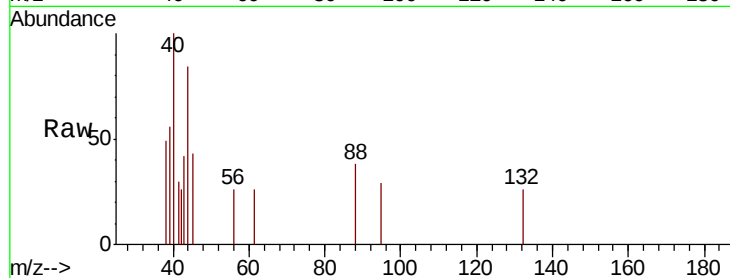




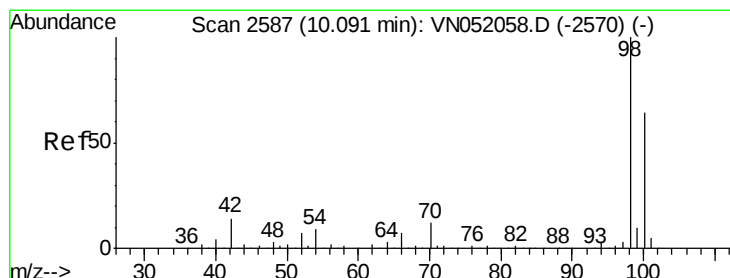
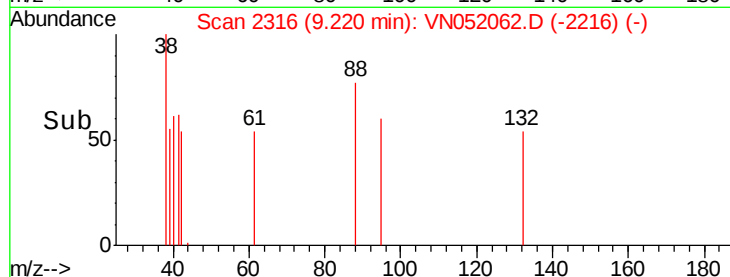
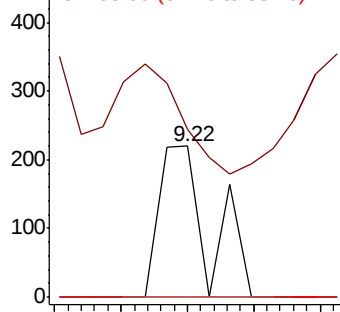
#49
1,4-Dioxane
Concen: 29.873 ug/l
RT: 9.22 min Scan# 2316
Delta R.T. 0.02 min
Lab File: VN052062.D
Acq: 30 Oct 2018 14:02

Instrument :
MSVOA_N
ClientSampled :
VN1030WBL01

Tgt Ion: 88 Resp: 116
Ion Ratio Lower Upper
88 100
43 196.6 34.1 51.1#
58 0.0 62.8 94.2#

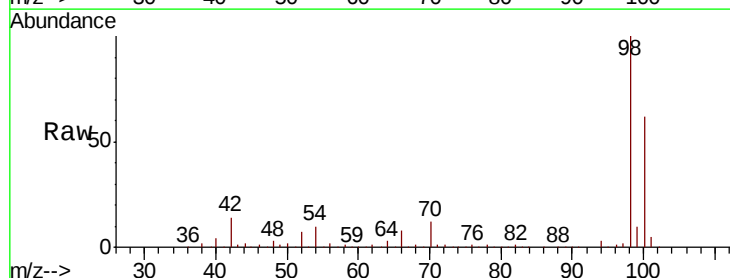


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

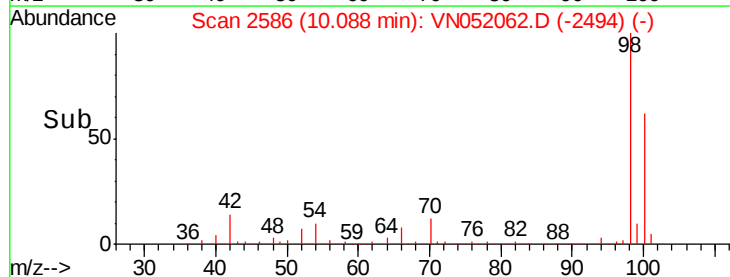
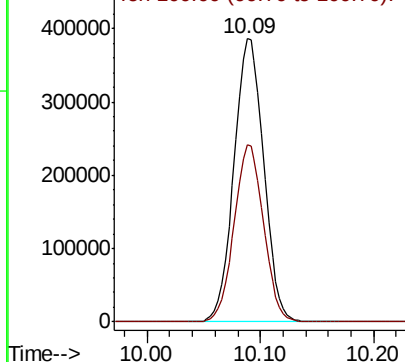


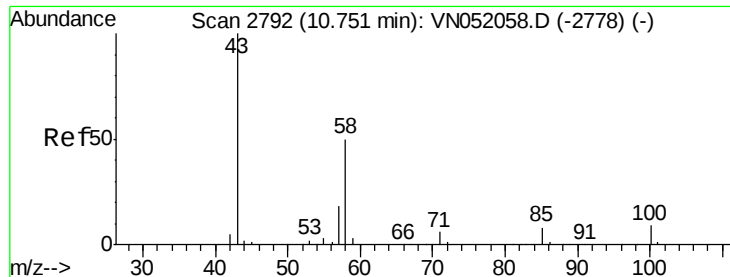
#50
Toluene-d8
Concen: 29.873 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN052062.D
Acq: 30 Oct 2018 14:02

Tgt Ion: 98 Resp: 708566
Ion Ratio Lower Upper
98 100
100 61.7 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0

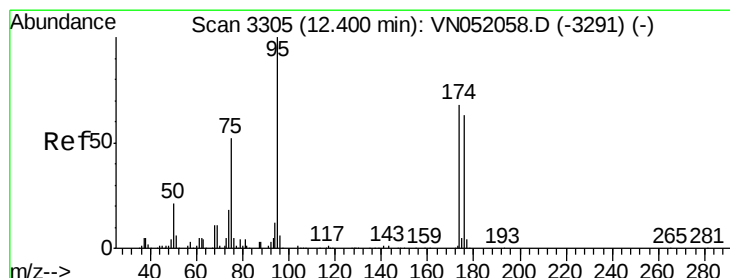
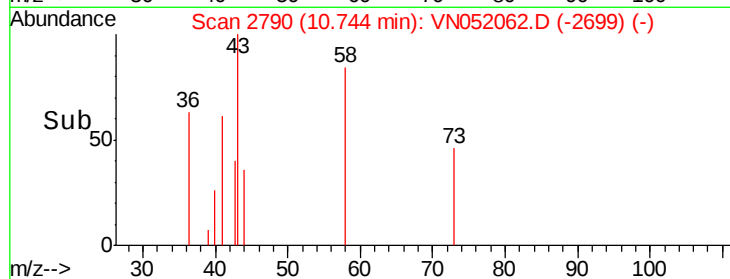
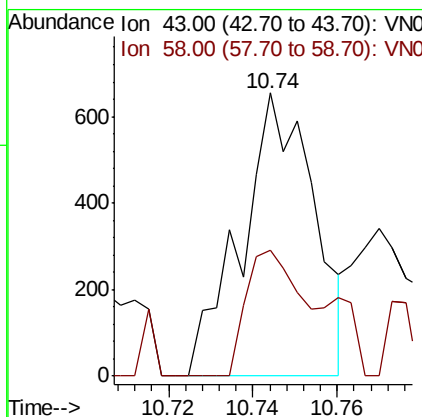
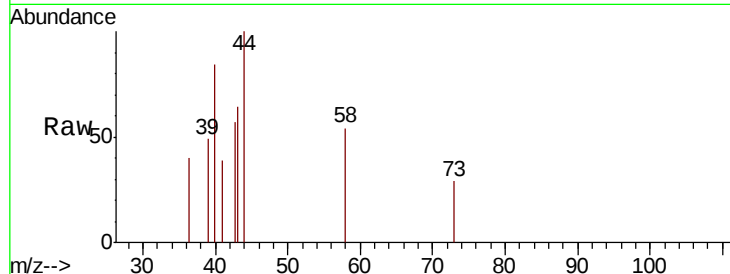




#59
2-Hexanone
Concen: 0.365 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.01 min
Lab File: VN052062.D
Acq: 30 Oct 2018 14:02

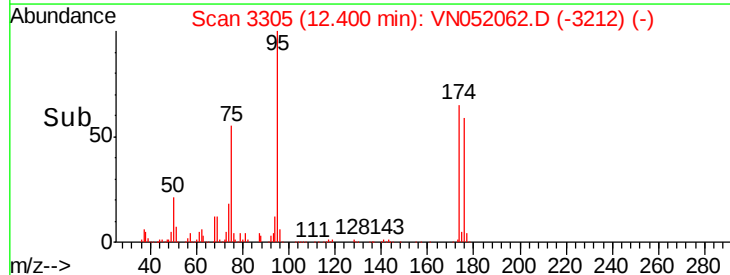
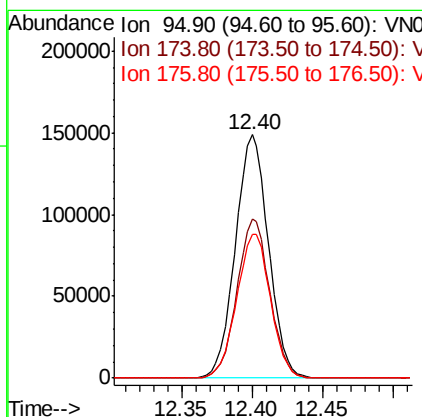
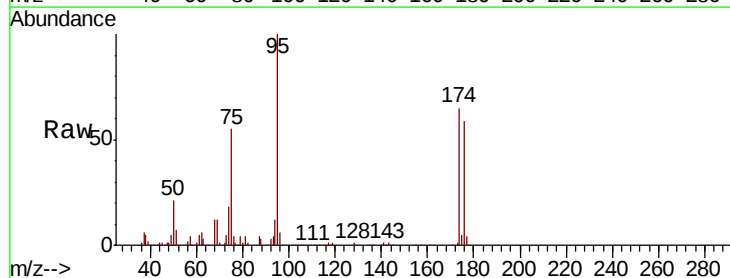
Instrument :
MSVOA_N
ClientSampled :
VN1030WBL01

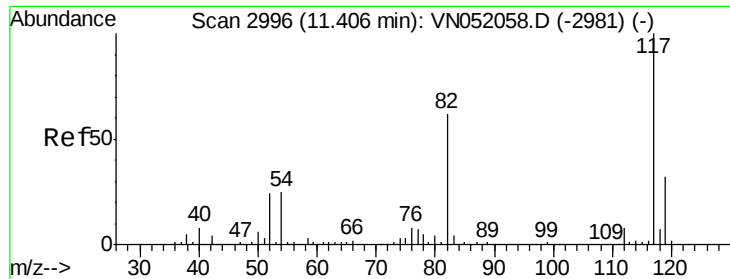
Tgt Ion: 43 Resp: 782
Ion Ratio Lower Upper
43 100
58 45.3 25.2 75.6



#62
4-Bromofluorobenzene
Concen: Below ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN052062.D
Acq: 30 Oct 2018 14:02

Tgt Ion: 95 Resp: 244124
Ion Ratio Lower Upper
95 100
174 64.8 0.0 131.8
176 60.5 0.0 126.0

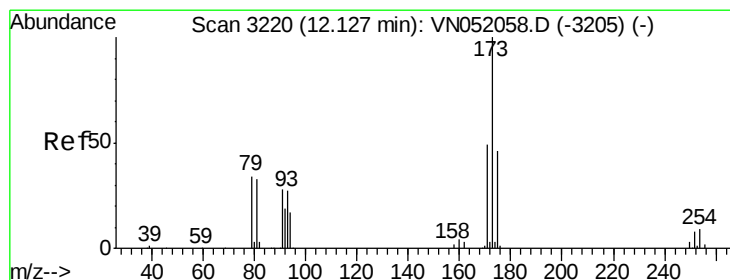
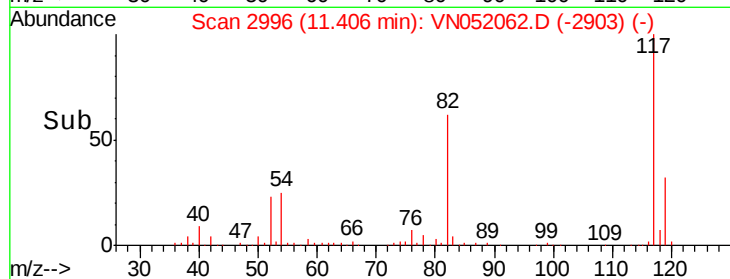
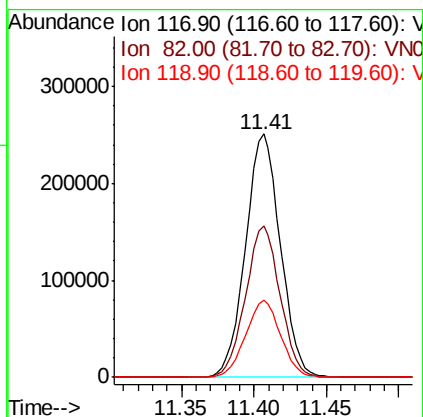
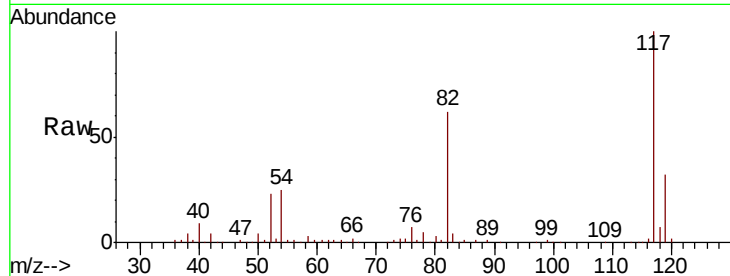




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052062.D
Acq: 30 Oct 2018 14:02

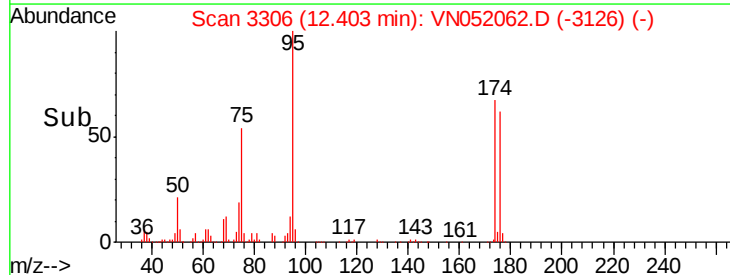
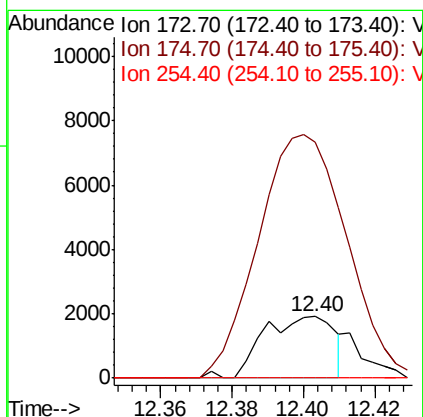
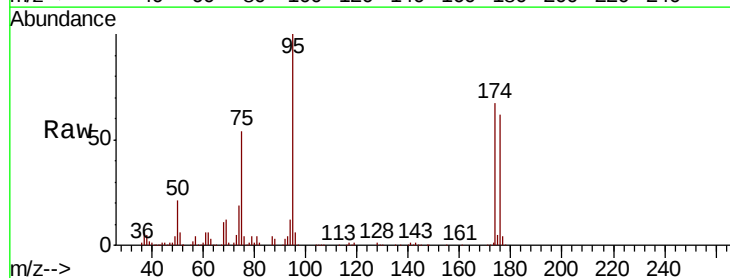
Instrument :
MSVOA_N
ClientSampleId :
VN1030WBL01

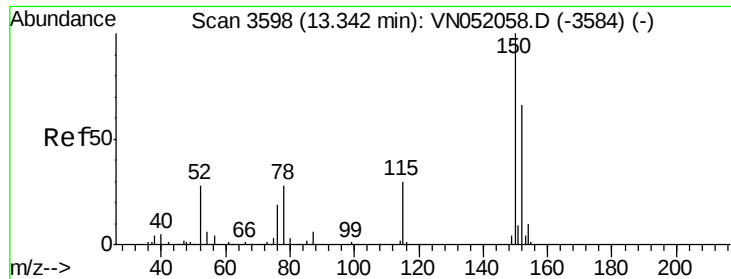
Tgt Ion:117 Resp: 421369
Ion Ratio Lower Upper
117 100
82 62.4 49.9 74.9
119 31.8 25.7 38.5



#71
Bromoform
Concen: 3.589 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN052062.D
Acq: 30 Oct 2018 14:02

Tgt Ion:173 Resp: 2642
Ion Ratio Lower Upper
173 100
175 444.9 23.9 71.7#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN052062.D

Acq: 30 Oct 2018 14:02

Instrument :

MSVOA_N

ClientSampleId :

VN1030WBL01

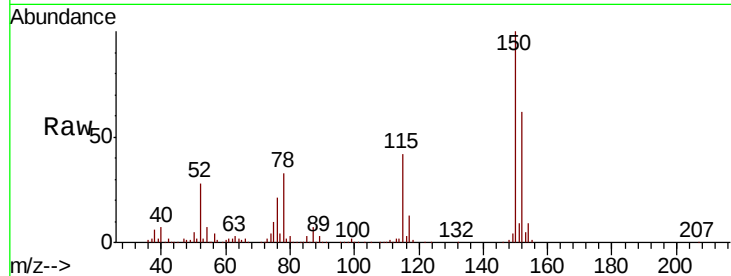
Tgt Ion:152 Resp: 164687

Ion Ratio Lower Upper

152 100

115 67.0 31.6 95.0

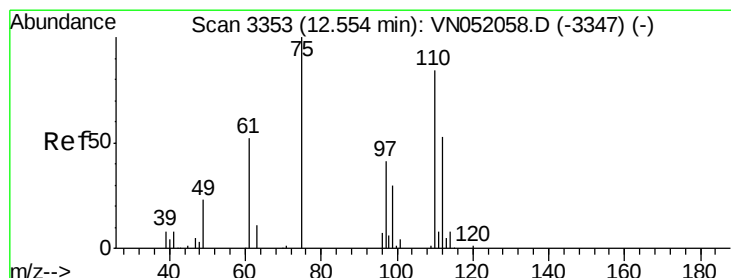
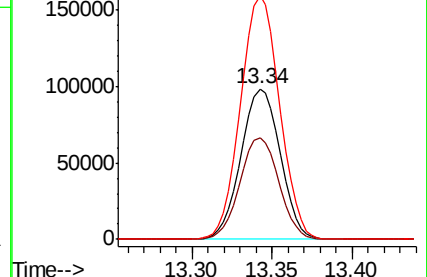
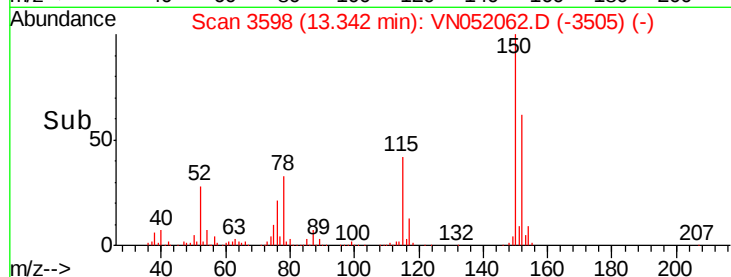
150 160.4 0.0 345.0



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



#76

1,2,3-Trichloropropane

Concen: 44.230 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN052062.D

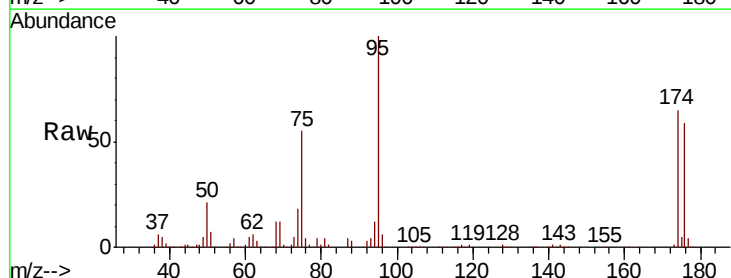
Acq: 30 Oct 2018 14:02

Tgt Ion: 75 Resp: 133340

Ion Ratio Lower Upper

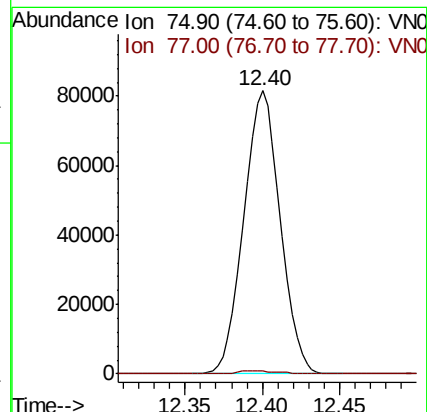
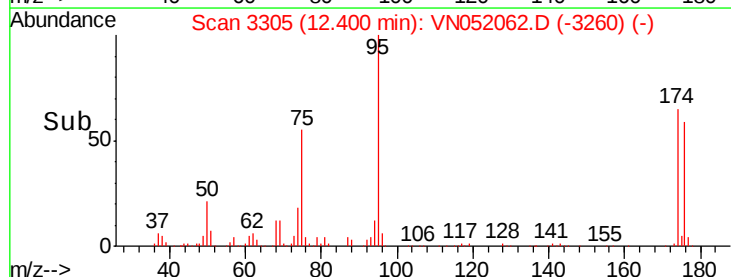
75 100

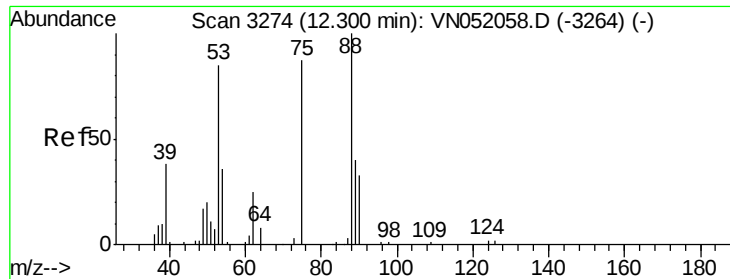
77 0.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 146.808 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN052062.D

Acq: 30 Oct 2018 14:02

Instrument :

MSVOA_N

ClientSampled :

VN1030WBL01

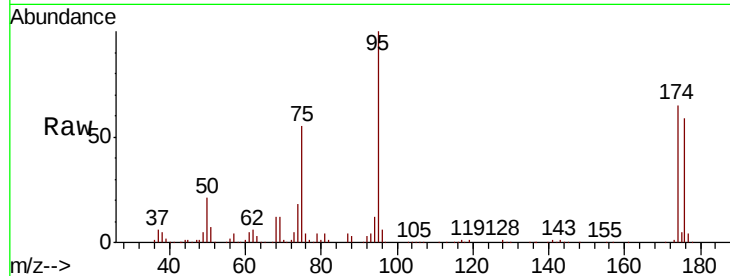
Tgt Ion: 75 Resp: 133340

Ion Ratio Lower Upper

75 100

53 0.0 81.8 122.6#

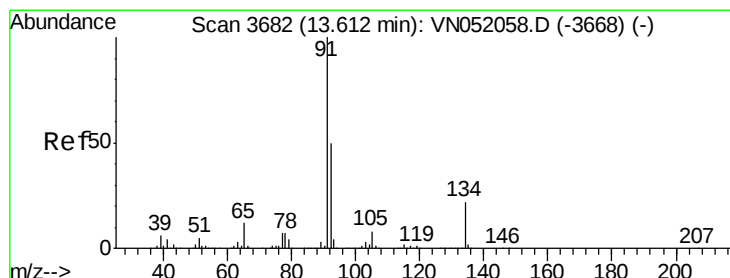
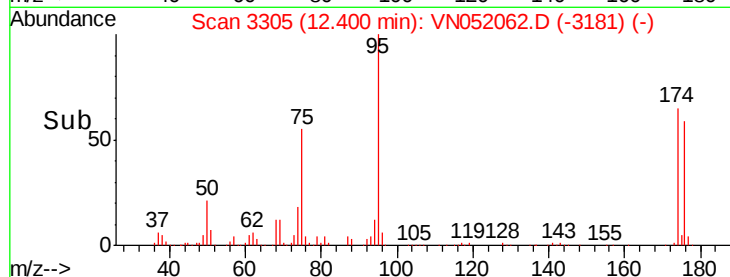
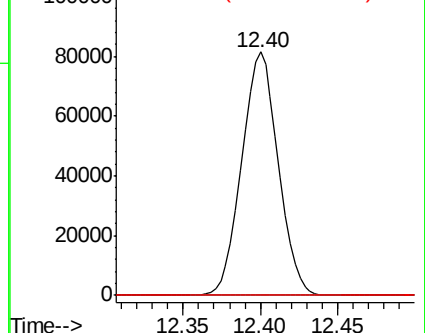
89 0.0 36.6 54.8#



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



#89

n-Butylbenzene

Concen: 0.308 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. 0.01 min

Lab File: VN052062.D

Acq: 30 Oct 2018 14:02

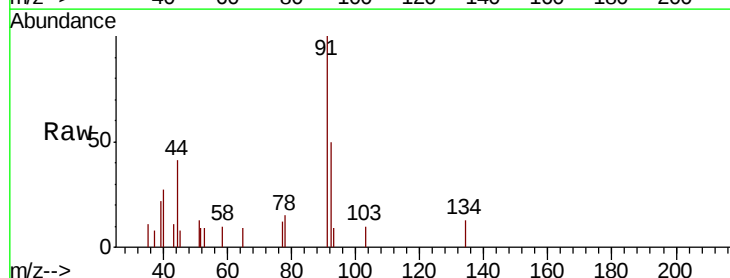
Tgt Ion: 91 Resp: 3286

Ion Ratio Lower Upper

91 100

92 38.3 25.3 75.8

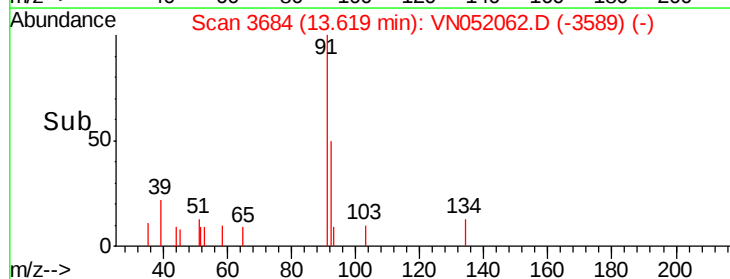
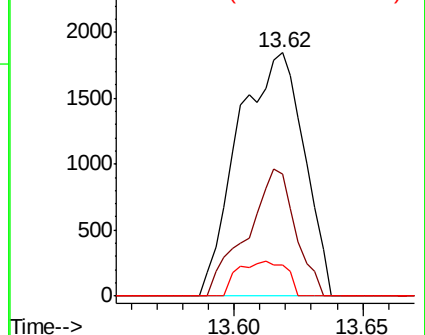
134 10.5 11.2 33.5#

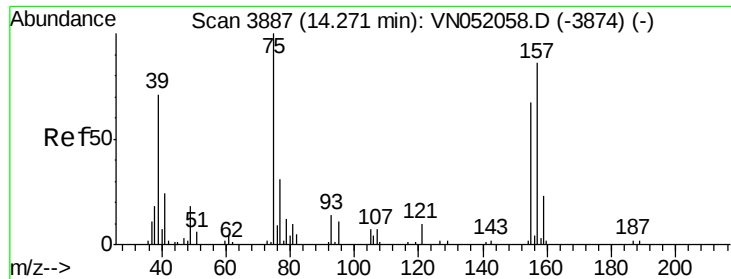


Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

Ion 134.00 (133.70 to 134.70): V

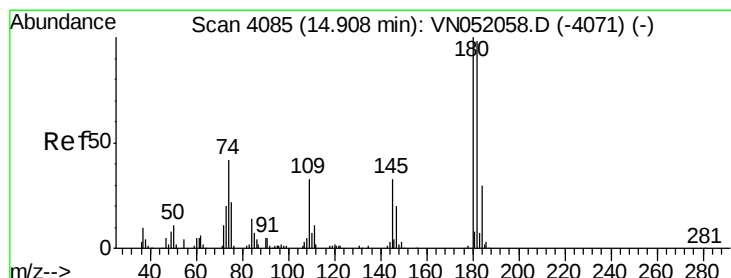
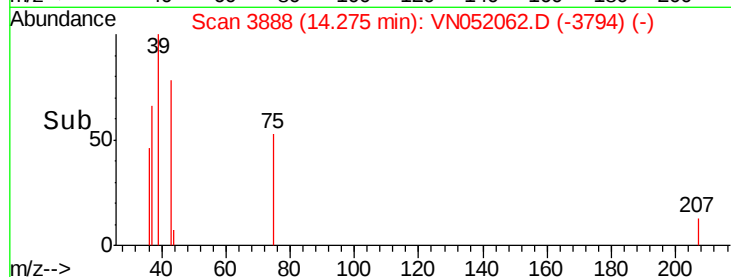
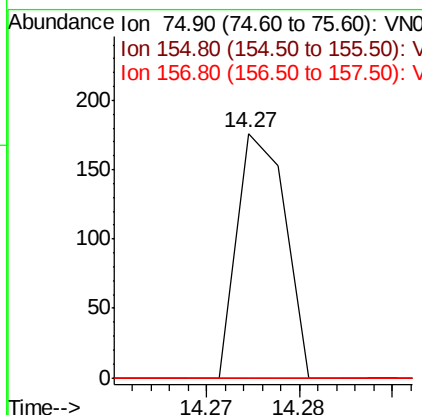
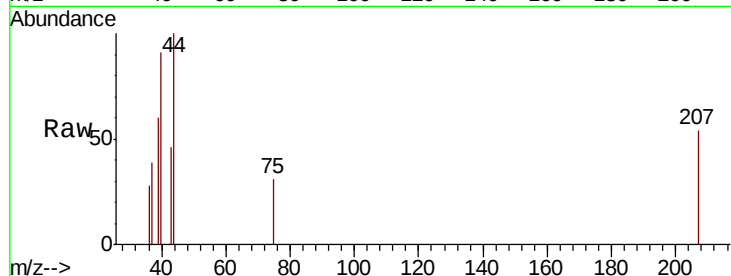




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.046 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN052062.D
 Acq: 30 Oct 2018 14:02

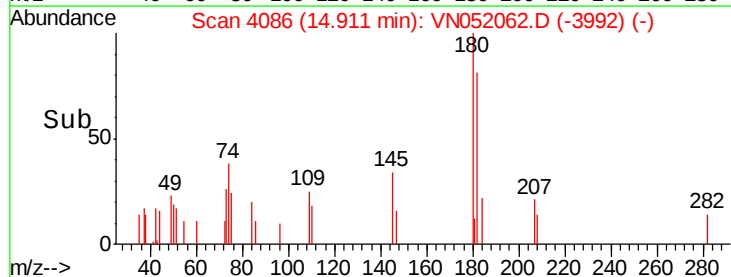
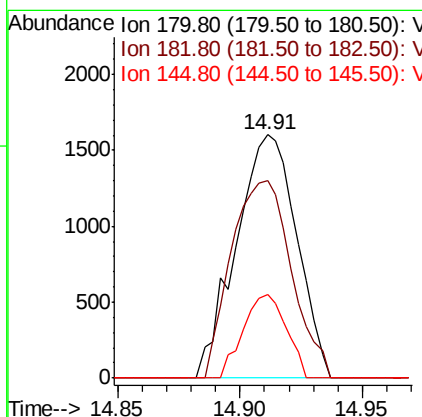
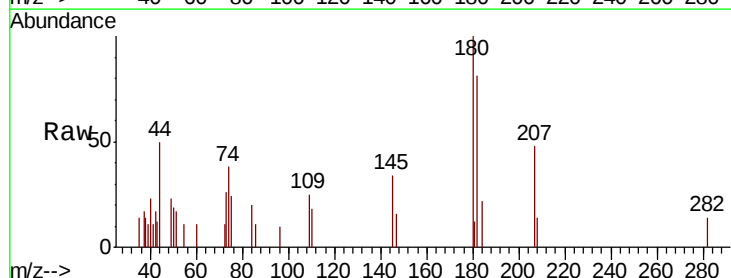
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1030WBL01

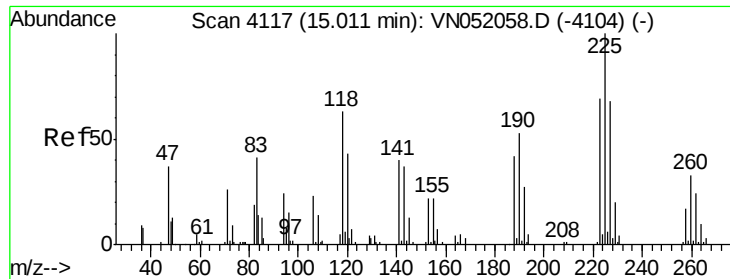
Tgt Ion: 75 Resp: 63
 Ion Ratio Lower Upper
 75 100
 155 0.0 34.0 102.0#
 157 0.0 42.1 126.4#



#93
 1,2,4-Trichlorobenzene
 Concen: 1.465 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052062.D
 Acq: 30 Oct 2018 14:02

Tgt Ion: 180 Resp: 2757
 Ion Ratio Lower Upper
 180 100
 182 80.8 49.1 147.4
 145 24.4 16.4 49.2





#94

Hexachlorobutadiene

Concen: 1.845 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. -0.00 min

Lab File: VN052062.D

Acq: 30 Oct 2018 14:02

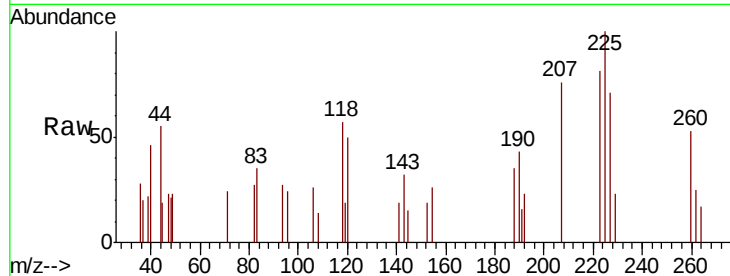
Instrument :

MSVOA_N

ClientSampled :

VN1030WBL01

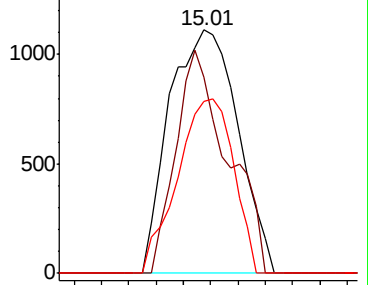
Tgt Ion:	225	Resp:	1943
Ion	Ratio	Lower	Upper
225	100		
223	69.6	33.1	99.3
227	58.5	32.6	97.8



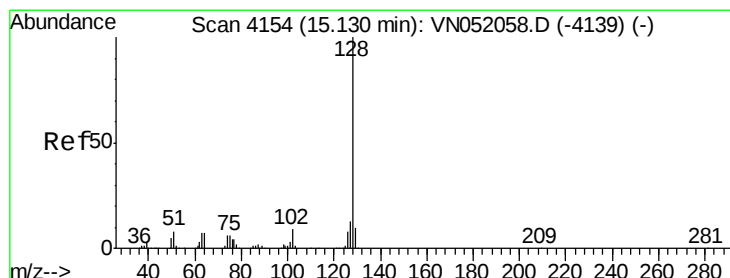
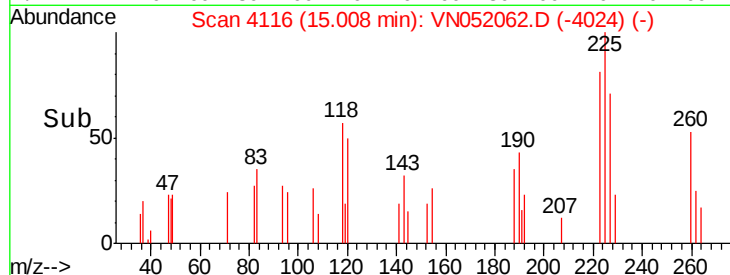
Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



Time-->



#95

Naphthalene

Concen: 1.109 ug/l

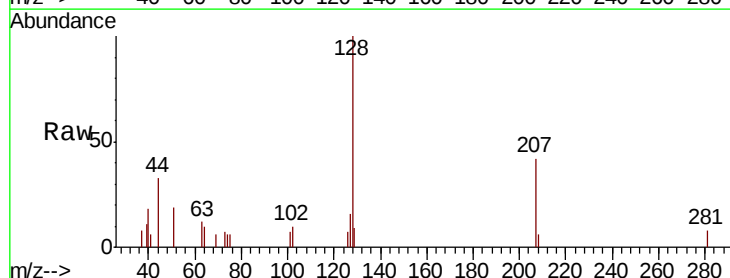
RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN052062.D

Acq: 30 Oct 2018 14:02

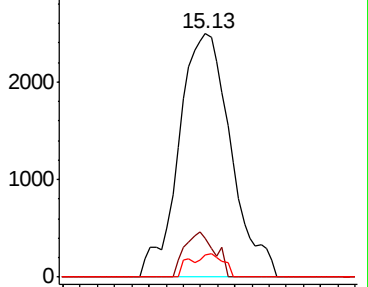
Tgt Ion:	128	Resp:	5232
Ion	Ratio	Lower	Upper
128	100		
127	10.8	10.5	15.7
129	4.2	8.6	12.8#



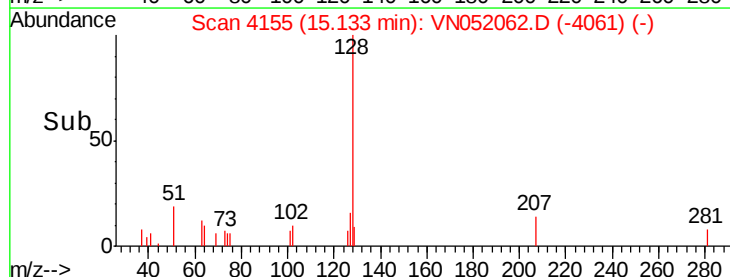
Abundance Ion 128.00 (127.70 to 128.70): V

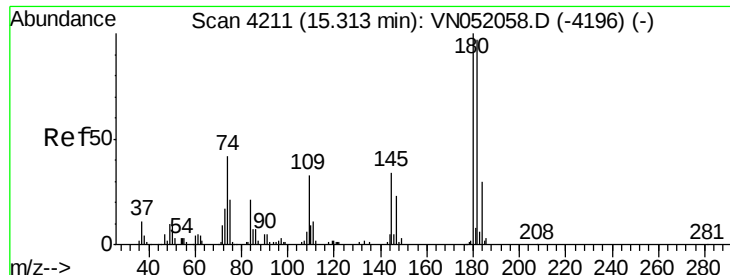
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



Time-->





#96
 1,2,3-Trichlorobenzene
 Concen: 1.076 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. 0.00 min
 Lab File: VN052062.D
 Acq: 30 Oct 2018 14:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1030WBL01

Tgt Ion:180 Resp: 1747
 Ion Ratio Lower Upper
 180 100
 182 103.4 47.2 141.6
 145 42.1 16.6 49.7

