

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050919\
 Data File : VN055515.D
 Acq On : 9 May 2019 23:34
 Operator : JC/SP
 Sample : K2758-32
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 10 04:19:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N050819W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 04:17:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	858063	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1428317	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1212484	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	335096	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	580717	44.95	ug/l	0.00
Spiked Amount			Recovery	=	89.90%	
35) Dibromofluoromethane	7.59	113	456048	49.50	ug/l	0.00
Spiked Amount			Recovery	=	99.00%	
50) Toluene-d8	10.09	98	1757803	48.96	ug/l	0.00
Spiked Amount			Recovery	=	97.92%	
62) 4-Bromofluorobenzene	12.40	95	508389	41.99	ug/l	0.00
Spiked Amount			Recovery	=	83.98%	

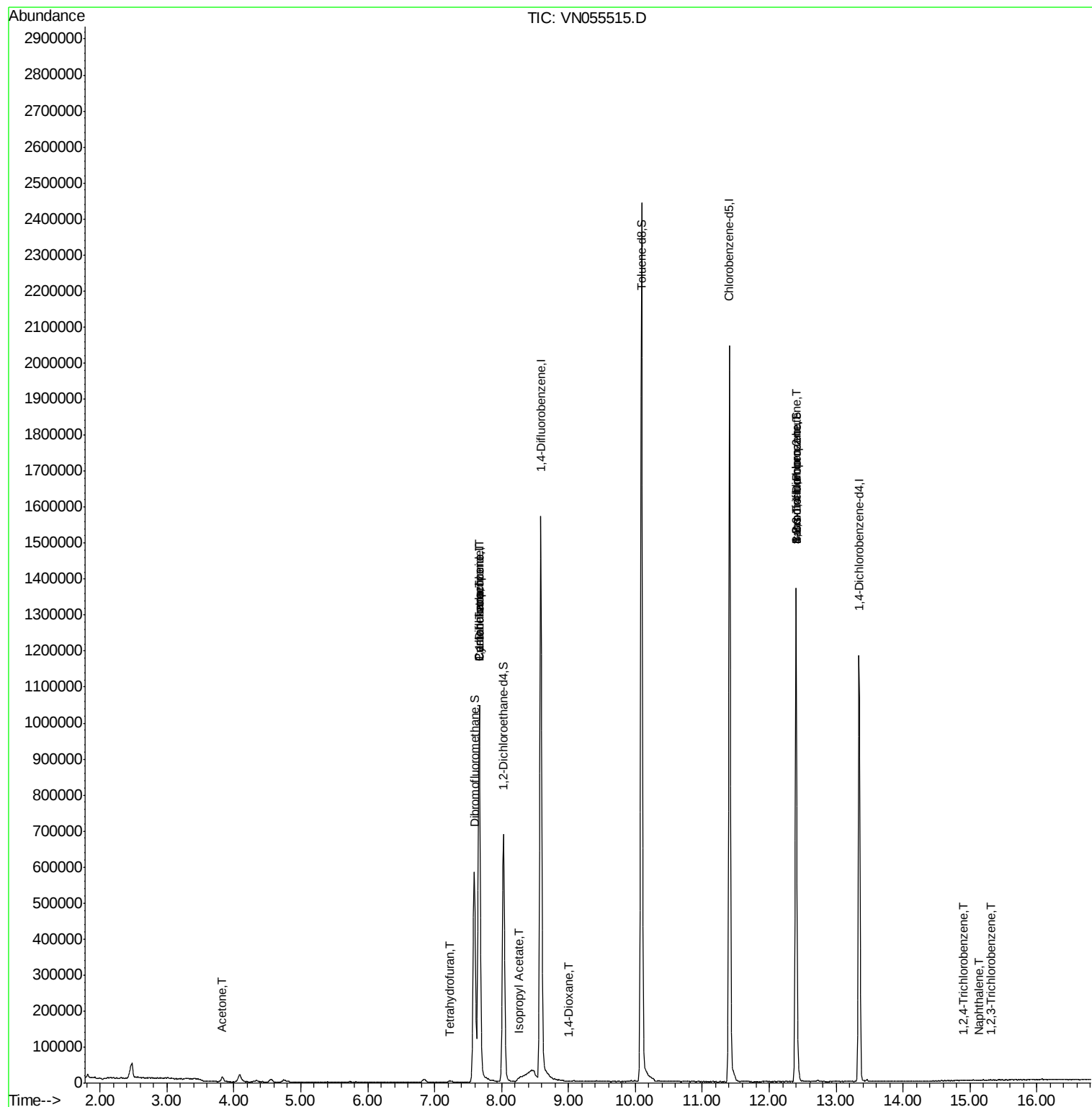
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	18938	3.166	ug/l	91
18) Methyl Acetate	4.33	43	7005	Below Cal	#	84
29) Tetrahydrofuran	7.22	42	3127	0.572	ug/l #	58
31) Cyclohexane	7.66	56	17873	0.857	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	68235	4.849	ug/l #	51
38) Carbon Tetrachloride	7.67	117	82435	6.957	ug/l #	16
43) Isopropyl Acetate	8.26	43	6509	0.279	ug/l #	63
49) 1,4-Dioxane	9.00	88	74	0.338	ug/l #	1
71) Bromoform	12.40	173	3494	0.603	ug/l #	1
73) Isopropylbenzene	12.26	105	501	Below Cal	#	74
75) 1,1,2,2-Tetrachloroethane	12.40	83	246	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	250991	27.514	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	250991	101.521	ug/l #	7
93) 1,2,4-Trichlorobenzene	14.91	180	556	3.310	ug/l #	79
94) Hexachlorobutadiene	15.01	225	193	Below Cal		82
95) Naphthalene	15.13	128	1042	3.007	ug/l #	74
96) 1,2,3-Trichlorobenzene	15.32	180	629	2.534	ug/l #	41

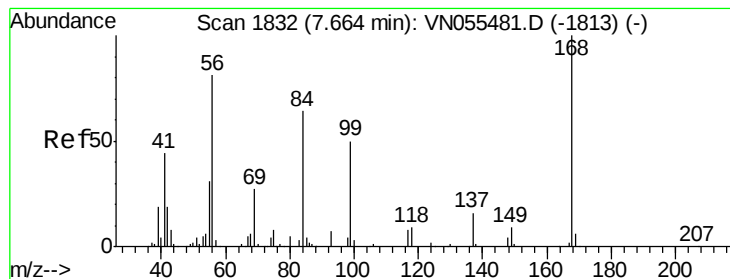
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN050919\
Data File : VN055515.D
Acq On : 9 May 2019 23:34
Operator : JC/SP
Sample : K2758-32
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: May 10 04:19:50 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N050819W.M
Quant Title : SW846 8260
QLast Update : Thu May 09 04:17:44 2019
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: VN055515.D

Acq: 9 May 2019 23:34

Instrument :

MSVOA_N

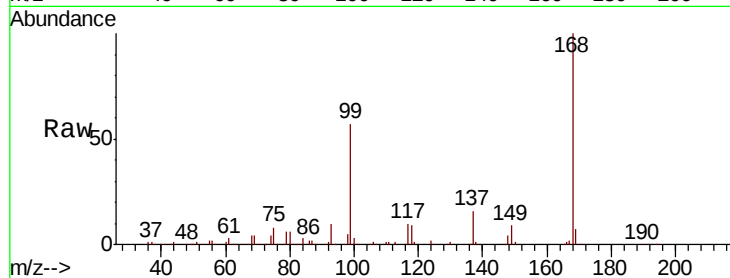
ClientSampled :

Tot Ion:168 Resp: 858063

Ion Ratio Lower Upper

168 100

99 56.5 47.0 70.4



Abundance Ion 167.90 (167.60 to 168.60): VN055515.D (-1739) (-)

Ion 98.90 (98.60 to 99.60): VN055515.D (-1739) (-)

7.67

400000

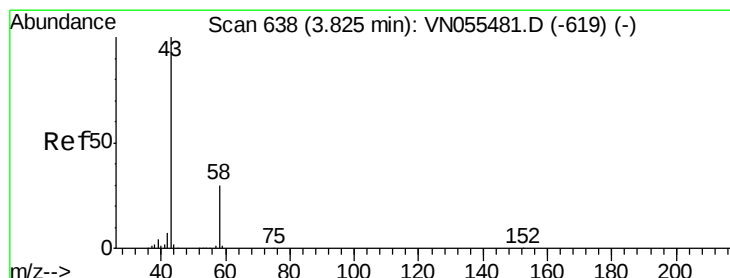
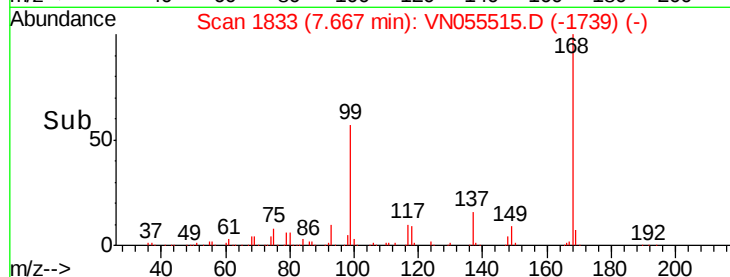
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 3.166 ug/l

RT: 3.82 min Scan# 638

Delta R.T. -0.00 min

Lab File: VN055515.D

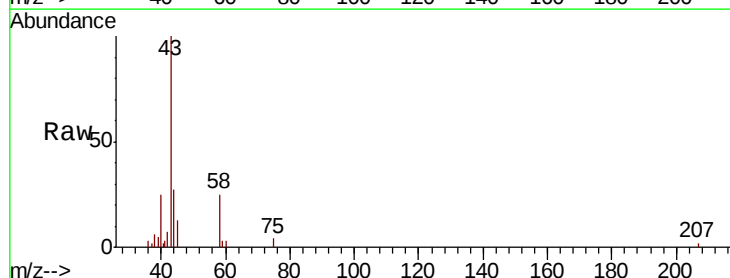
Acq: 9 May 2019 23:34

Tgt Ion: 43 Resp: 18938

Ion Ratio Lower Upper

43 100

58 25.3 24.2 36.2



Abundance Ion 43.00 (42.70 to 43.70): VN055515.D (-545) (-)

Ion 58.00 (57.70 to 58.70): VN055515.D (-545) (-)

3.82

8000

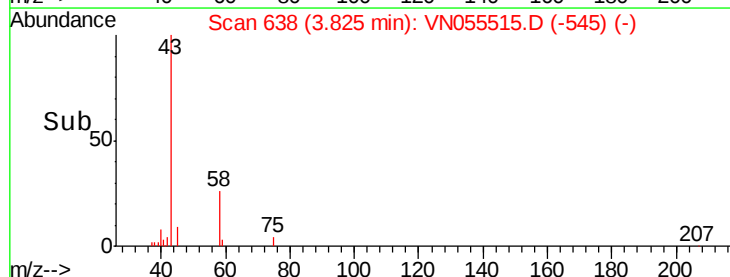
6000

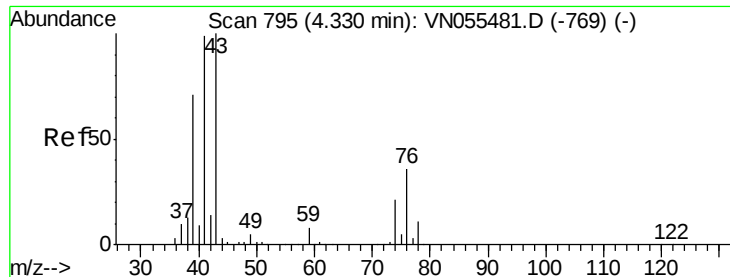
4000

2000

0

Time-->

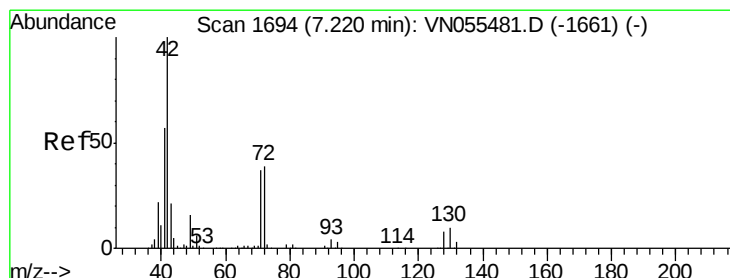
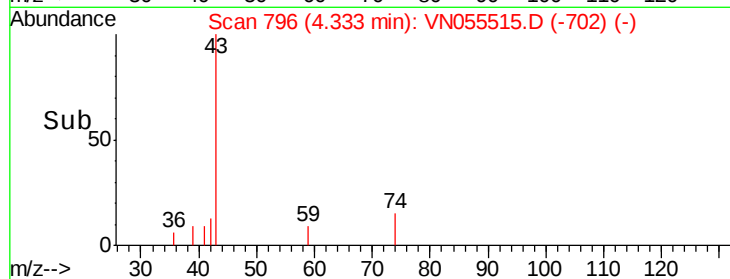
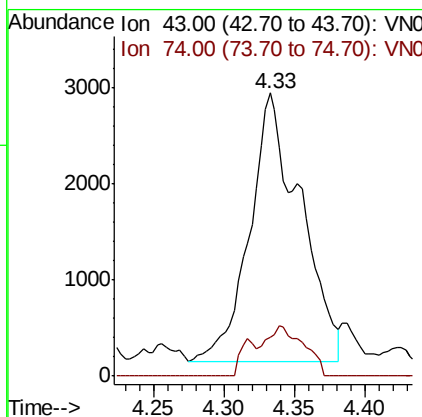
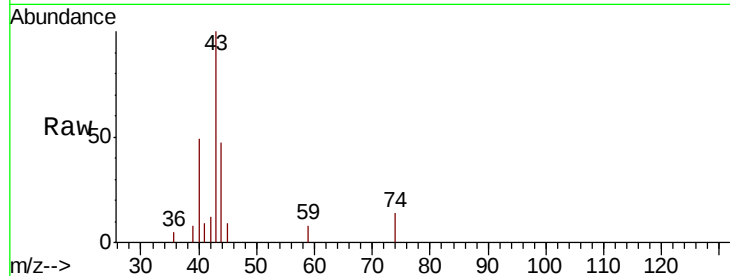




#18
Methyl Acetate
Concen: Below Cal
RT: 4.33 min Scan# 796
Delta R.T. 0.00 min
Lab File: VN055515.D
Acq: 9 May 2019 23:34

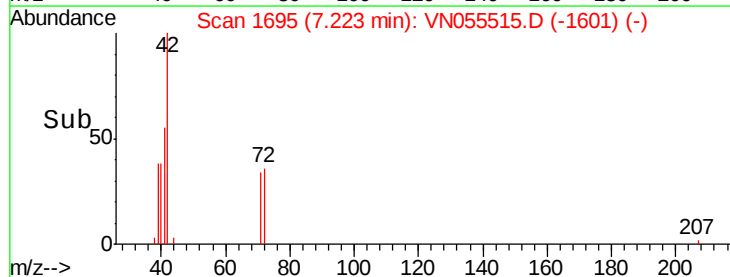
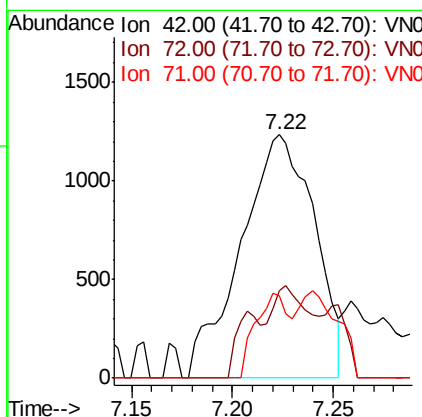
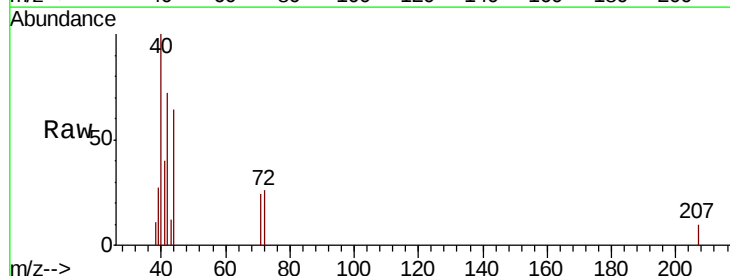
Instrument :
MSVOA_N
ClientSampled :

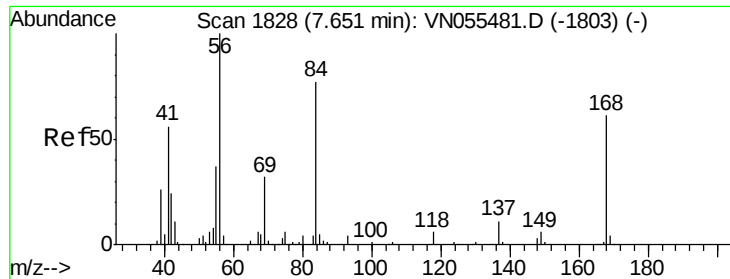
Tot Ion: 43 Resp: 7005
Ion Ratio Lower Upper
43 100
74 13.1 16.3 24.5#



#29
Tetrahydrofuran
Concen: 0.572 ug/l
RT: 7.22 min Scan# 1695
Delta R.T. 0.00 min
Lab File: VN055515.D
Acq: 9 May 2019 23:34

Tgt Ion: 42 Resp: 3127
Ion Ratio Lower Upper
42 100
72 9.6 31.0 46.6#
71 16.1 29.4 44.2#





#31

Cyclohexane

Concen: 0.857 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN055515.D

Acq: 9 May 2019 23:34

Instrument :
MSVOA_N
ClientSampleId :

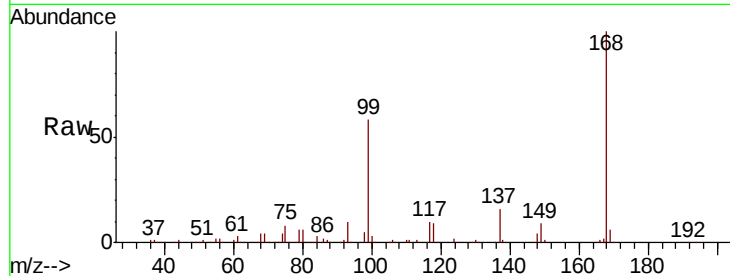
Tot Ion: 56 Resp: 17873

Ion Ratio Lower Upper

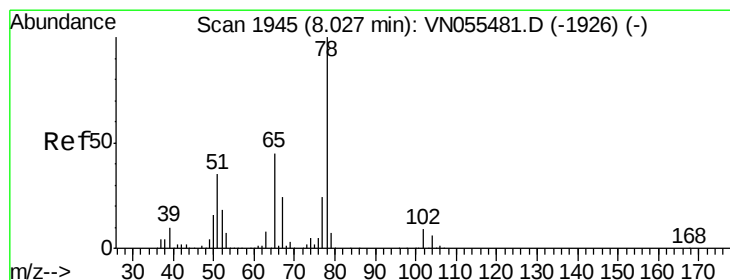
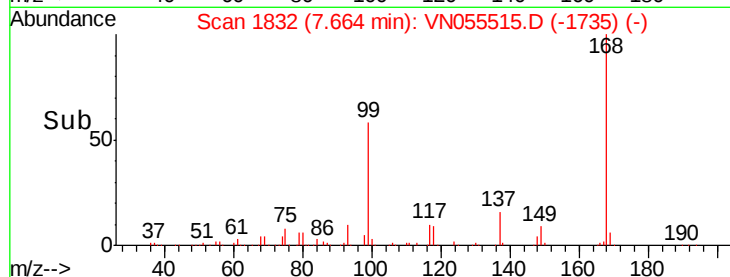
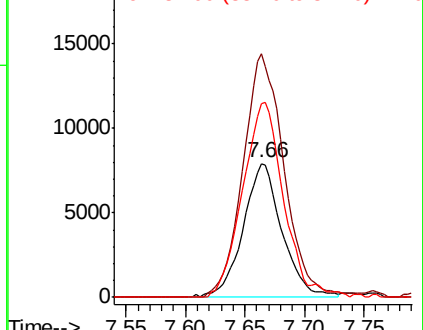
56 100

69 182.3 26.0 39.0#

84 145.0 61.9 92.9#



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: 44.949 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN055515.D

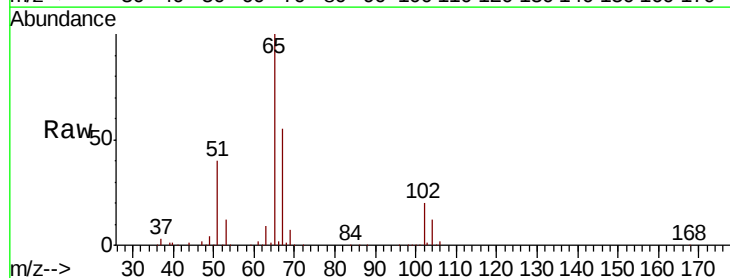
Acq: 9 May 2019 23:34

Tgt Ion: 65 Resp: 580717

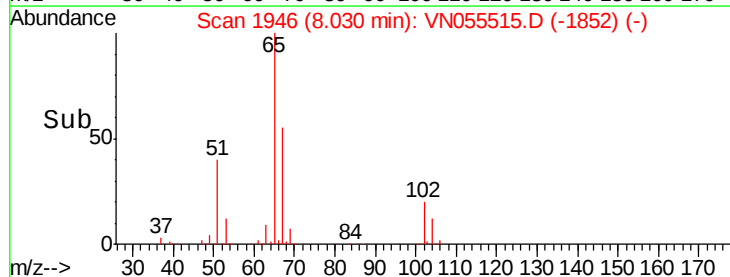
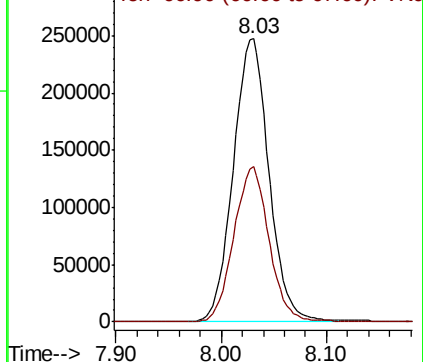
Ion Ratio Lower Upper

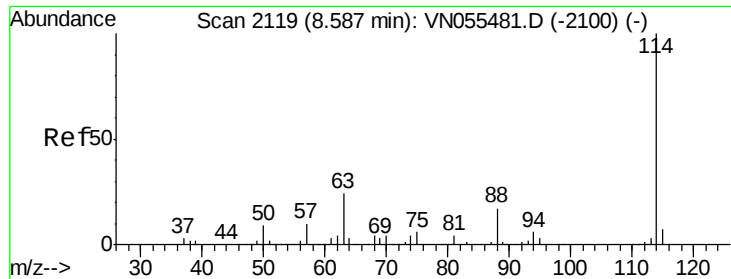
65 100

67 54.2 0.0 109.6



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

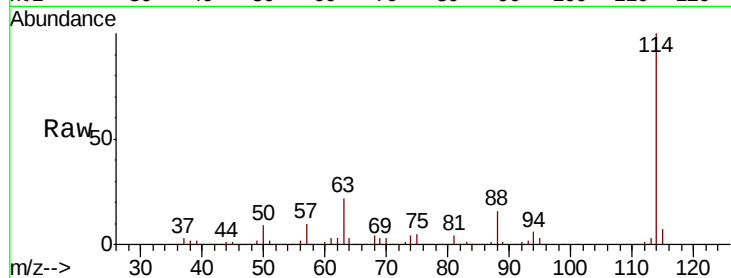




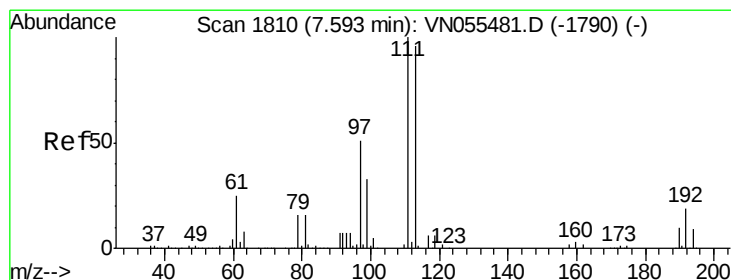
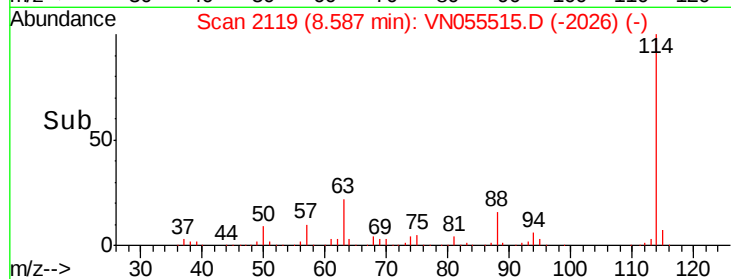
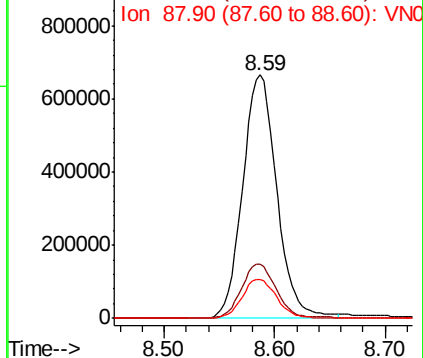
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN055515.D
 Acq: 9 May 2019 23:34

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:114 Resp: 1428317
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 47.4
 88 16.1 0.0 34.0

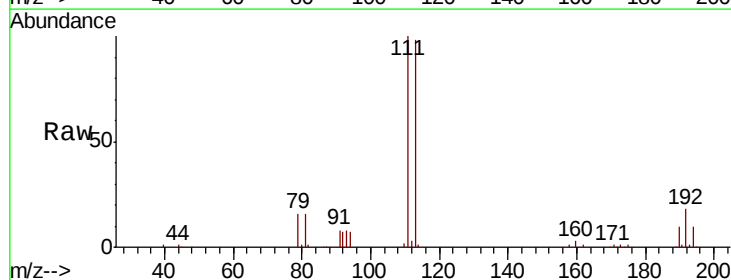


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

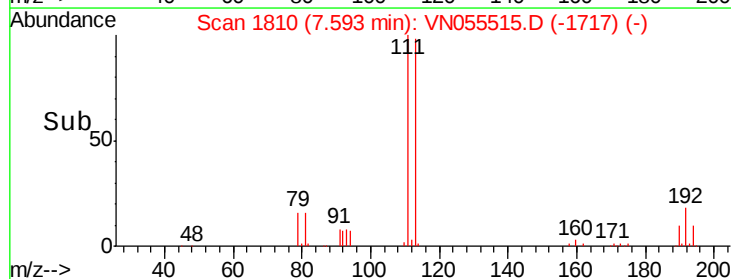
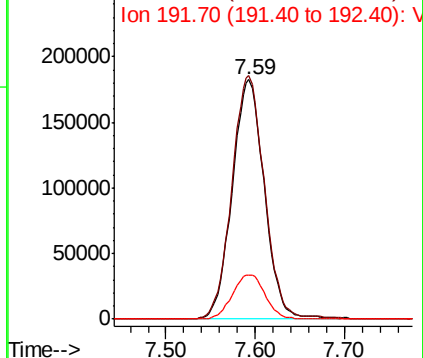


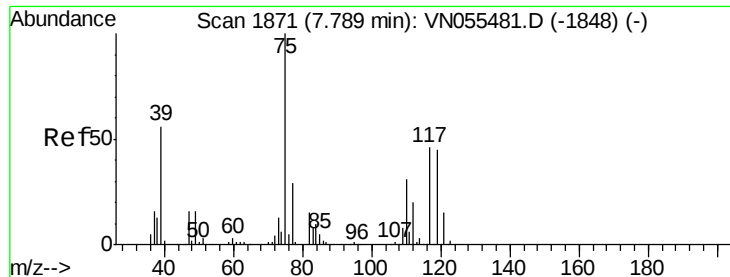
#35
 Dibromofluoromethane
 Concen: 49.496 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN055515.D
 Acq: 9 May 2019 23:34

Tgt Ion:113 Resp: 456048
 Ion Ratio Lower Upper
 113 100
 111 103.2 82.9 124.3
 192 18.9 15.6 23.4



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

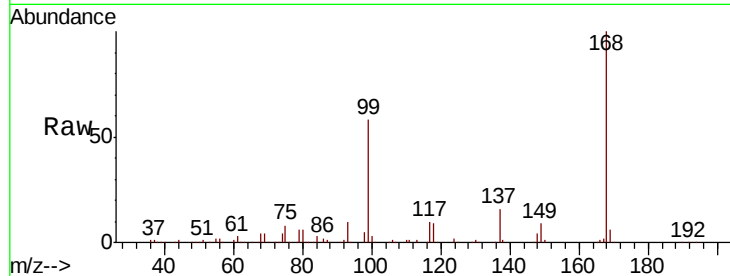




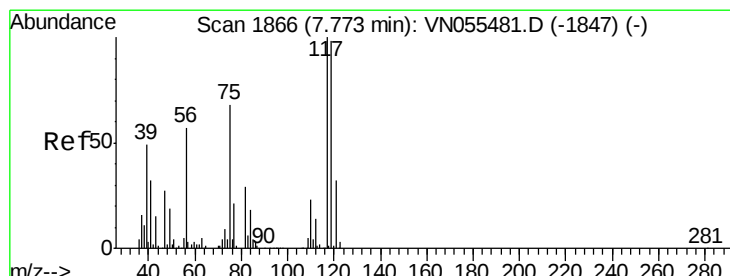
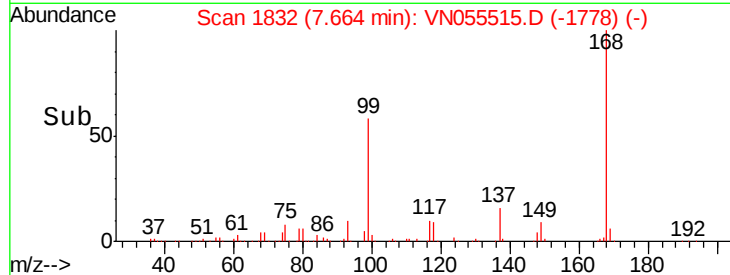
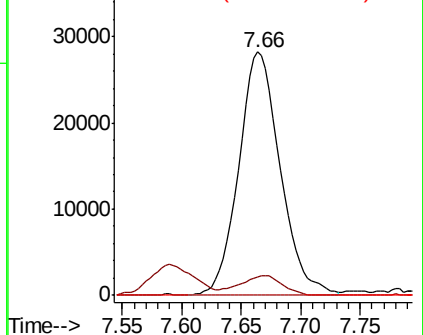
#36
 1,1-Dichloropropene
 Concen: 4.849 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN055515.D
 Acq: 9 May 2019 23:34

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 75 Resp: 68235
 Ion Ratio Lower Upper
 75 100
 110 8.3 16.1 48.3#
 77 0.0 24.6 37.0#

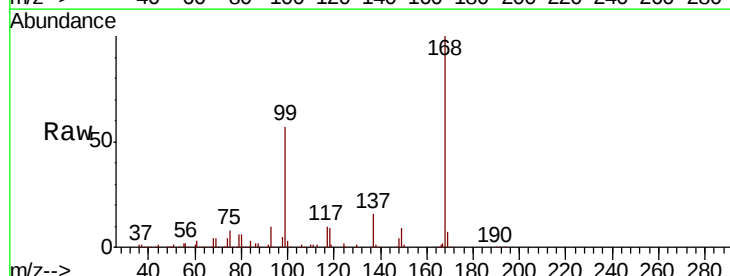


Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VN0

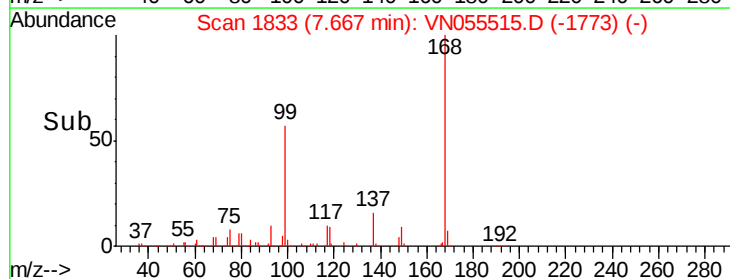
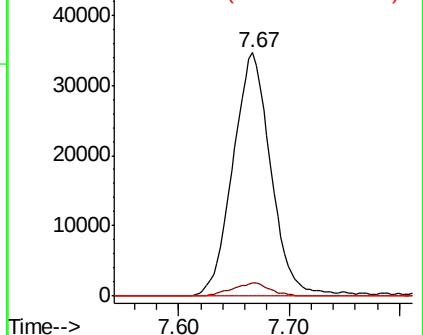


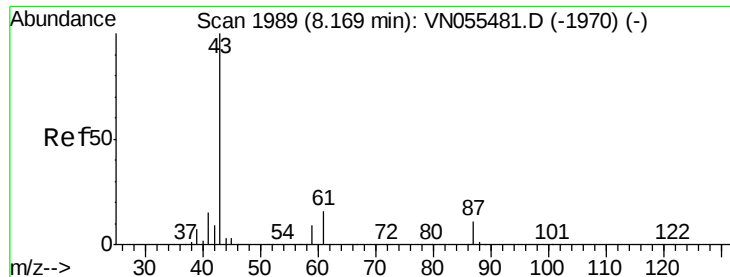
#38
 Carbon Tetrachloride
 Concen: 6.957 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN055515.D
 Acq: 9 May 2019 23:34

Tgt Ion: 117 Resp: 82435
 Ion Ratio Lower Upper
 117 100
 119 5.3 77.8 116.6#
 121 0.0 25.2 37.8#



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: 0.279 ug/l

RT: 8.26 min Scan# 2016

Delta R.T. 0.09 min

Lab File: VN055515.D

Acq: 9 May 2019 23:34

Instrument :

MSVOA_N

ClientSampled :

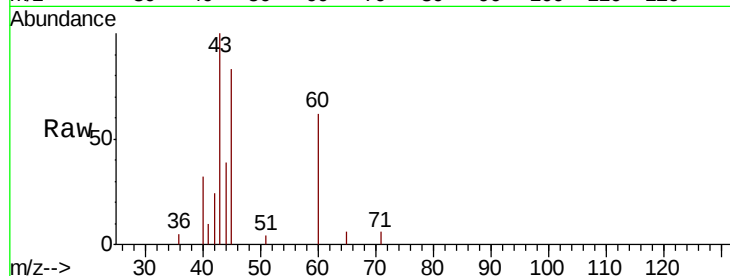
Tot Ion: 43 Resp: 6509

Ion Ratio Lower Upper

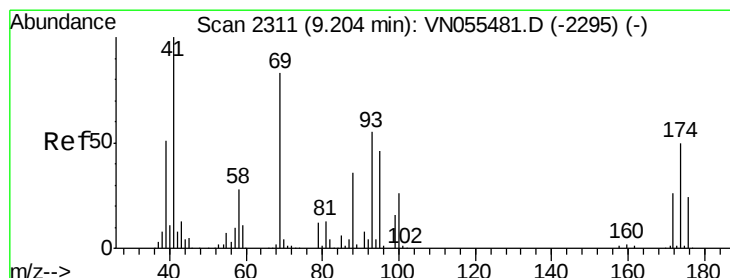
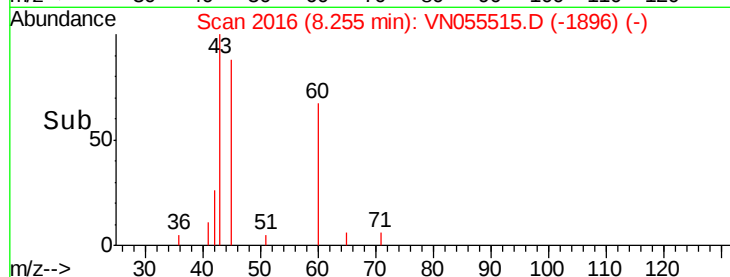
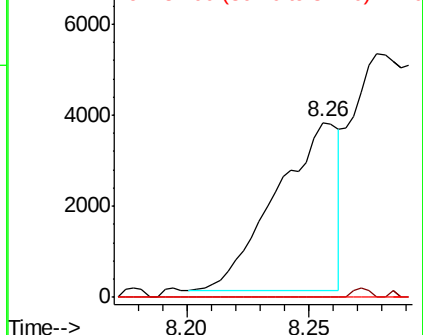
43 100

61 0.0 15.1 22.7#

87 0.0 9.0 13.6#



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 61.00 (60.70 to 61.70): VNO
Ion 87.00 (86.70 to 87.70): VNO



#49

1,4-Dioxane

Concen: 0.338 ug/l

RT: 9.00 min Scan# 2248

Delta R.T. -0.20 min

Lab File: VN055515.D

Acq: 9 May 2019 23:34

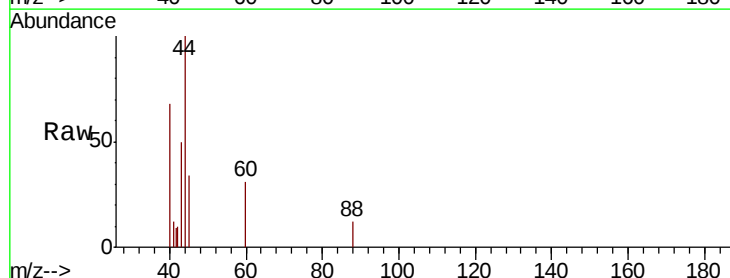
Tgt Ion: 88 Resp: 74

Ion Ratio Lower Upper

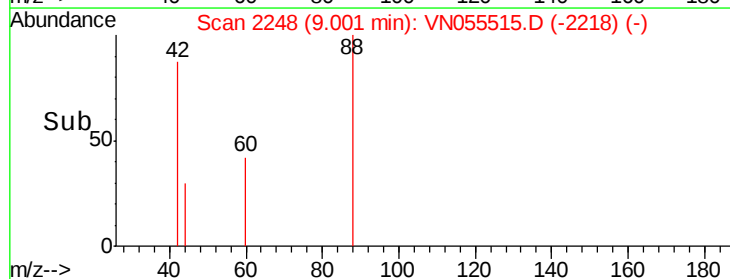
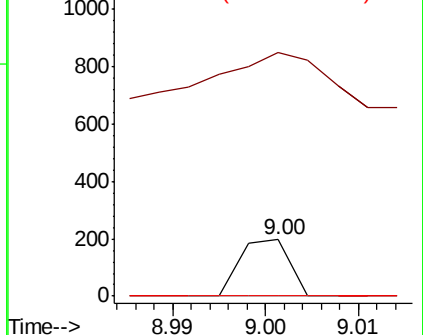
88 100

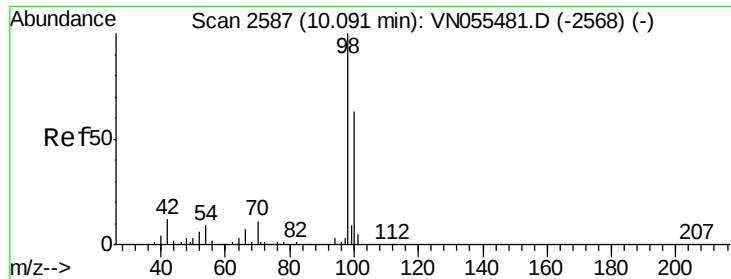
43 374.3 27.8 41.8#

58 0.0 61.8 92.6#



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





#50

Toluene-d8

Concen: 48.957 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN055515.D

Acq: 9 May 2019 23:34

Instrument :

MSVOA_N

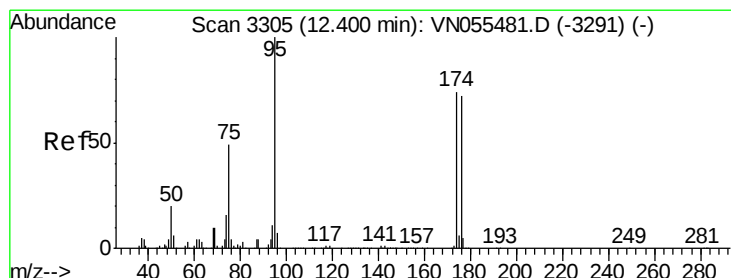
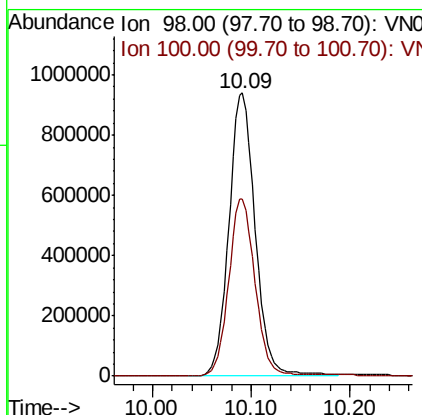
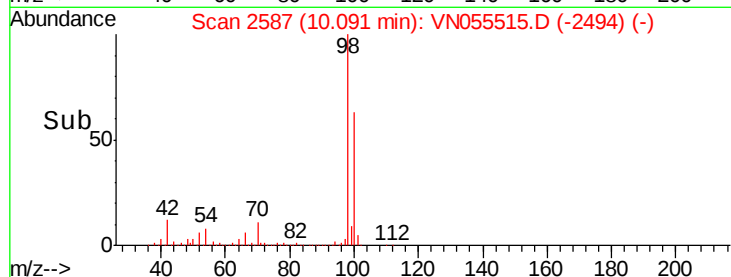
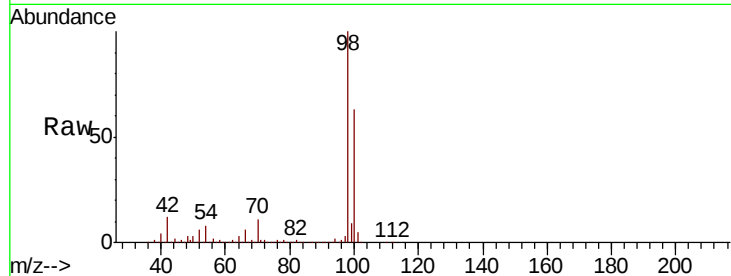
ClientSampled :

Tot Ion: 98 Resp: 1757803

Ion Ratio Lower Upper

98 100

100 62.2 50.4 75.6



#62

4-Bromofluorobenzene

Concen: 41.992 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN055515.D

Acq: 9 May 2019 23:34

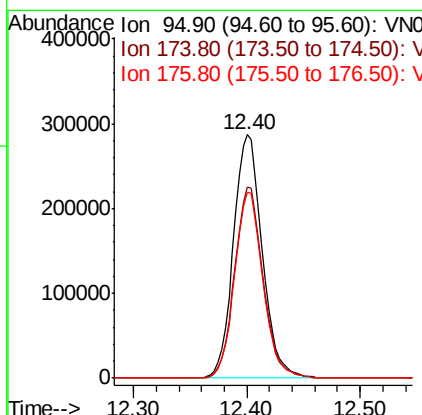
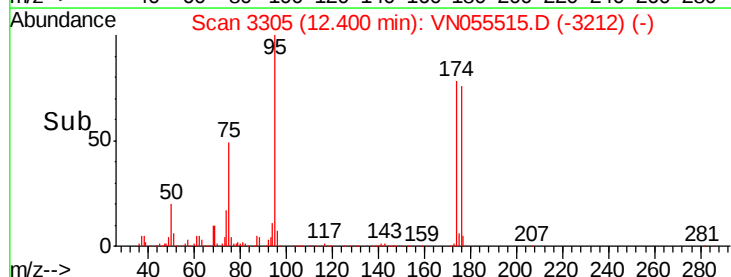
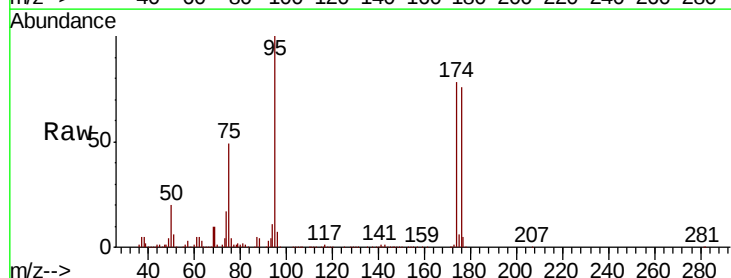
Tgt Ion: 95 Resp: 508389

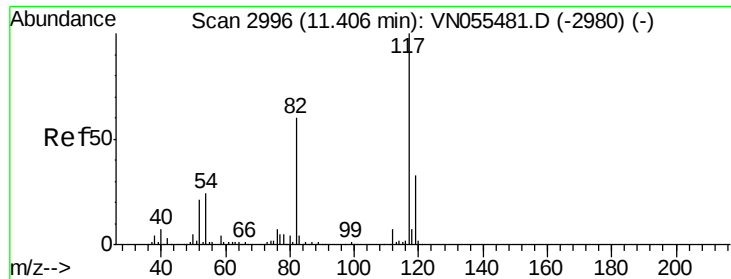
Ion Ratio Lower Upper

95 100

174 77.8 0.0 152.2

176 75.4 0.0 147.8

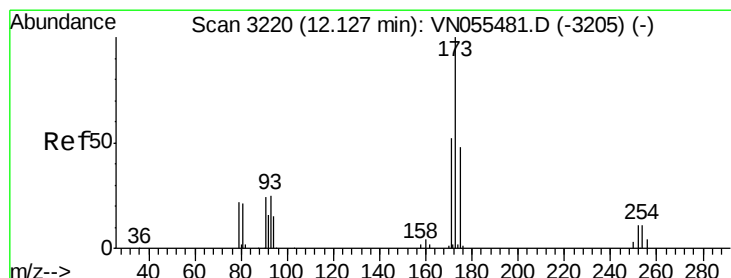
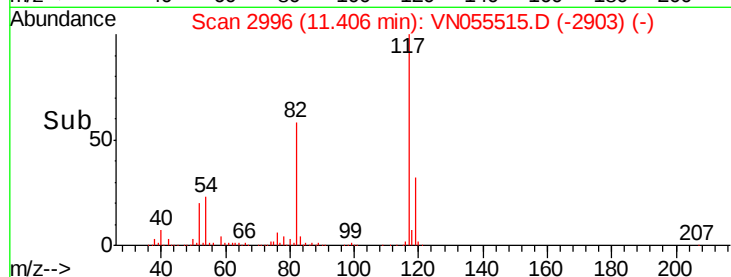
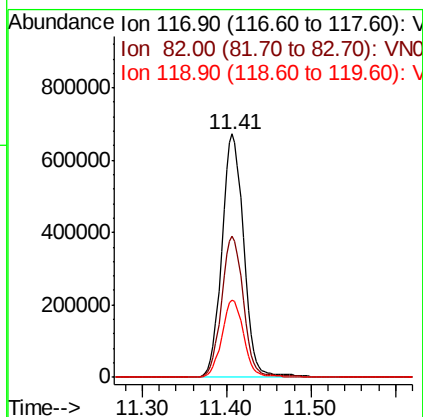
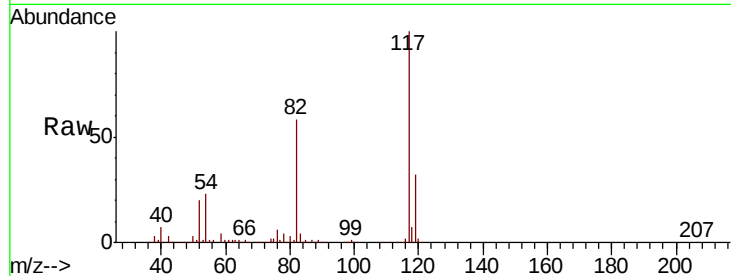




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN055515.D
Acq: 9 May 2019 23:34

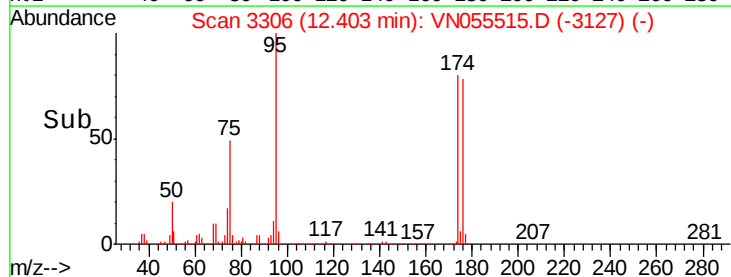
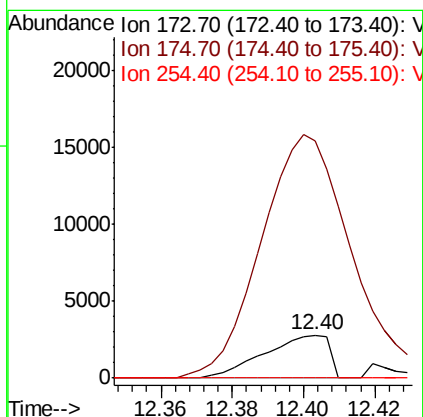
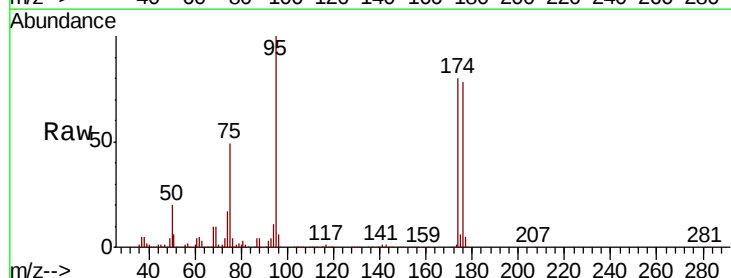
Instrument :
MSVOA_N
ClientSampleId :

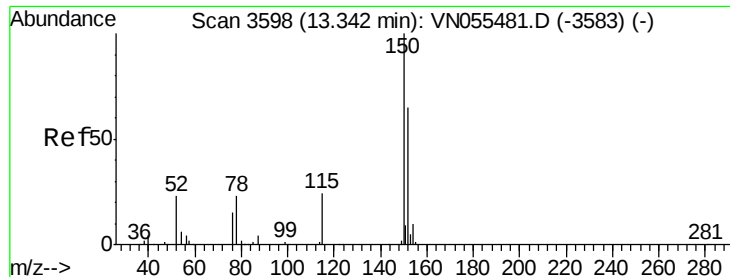
Tot Ion:117 Resp: 1212484
Ion Ratio Lower Upper
117 100
82 57.9 48.0 72.0
119 31.9 26.0 39.0



#71
Bromoform
Concen: 0.603 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN055515.D
Acq: 9 May 2019 23:34

Tgt Ion:173 Resp: 3494
Ion Ratio Lower Upper
173 100
175 685.1 24.1 72.4#
254 0.0 0.1 0.1#



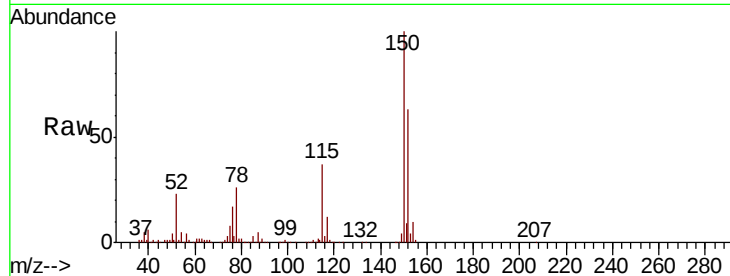


#72

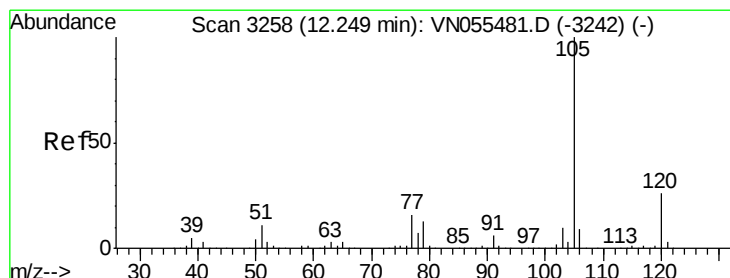
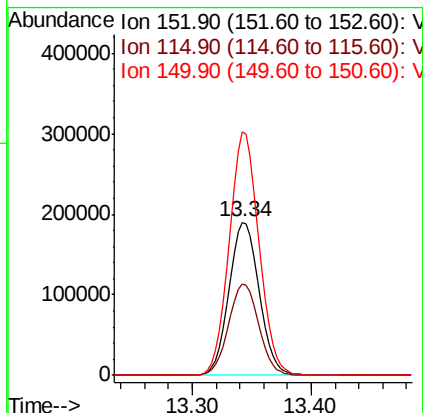
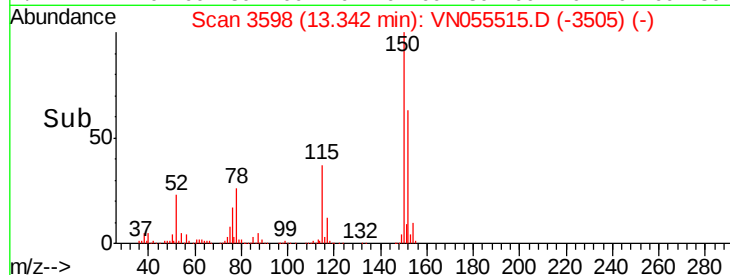
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN055515.D
Acq: 9 May 2019 23:34

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
115	59.5	30.1	90.5
150	156.6	0.0	355.0



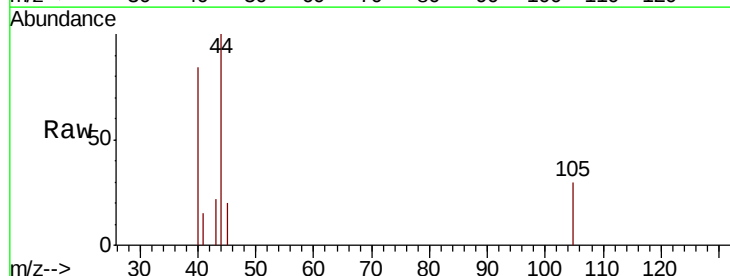
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



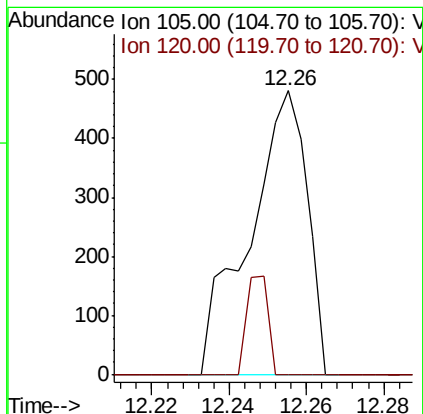
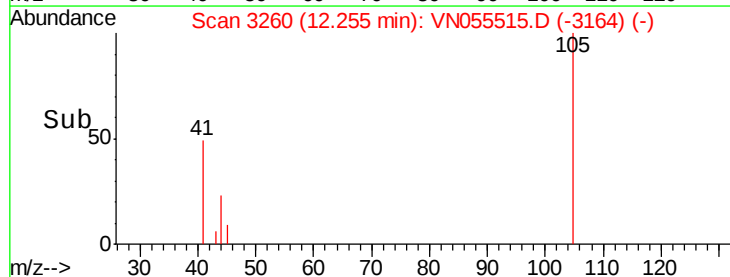
#73

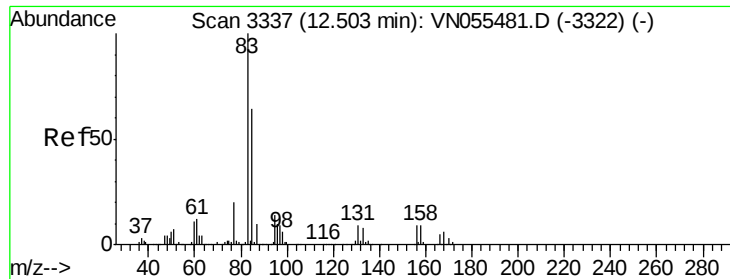
Isopropylbenzene
Concen: Below Cal
RT: 12.26 min Scan# 3260
Delta R.T. 0.01 min
Lab File: VN055515.D
Acq: 9 May 2019 23:34

Tgt Ion	Ratio	Lower	Upper
105	100		
120	12.8	13.0	39.0#



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.40 min Scan# 3306

Delta R.T. -0.10 min

Lab File: VN055515.D

Acq: 9 May 2019 23:34

Instrument :

MSVOA_N

ClientSampleId :

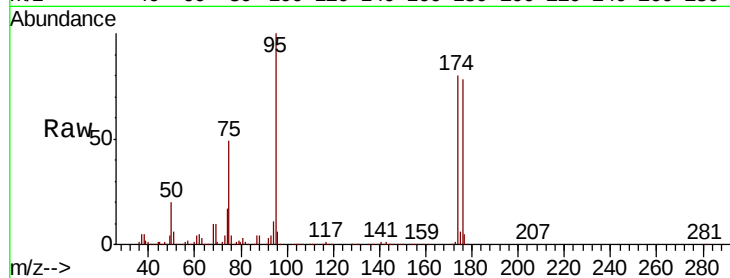
Tot Ion: 83 Resp: 246

Ion Ratio Lower Upper

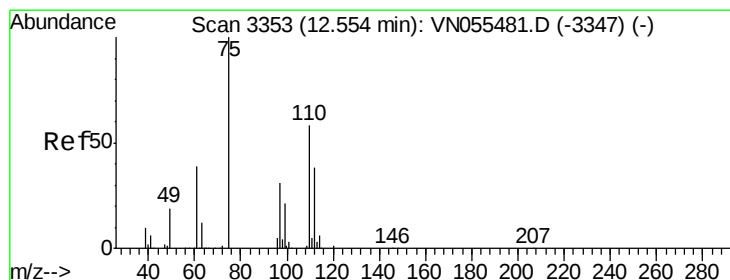
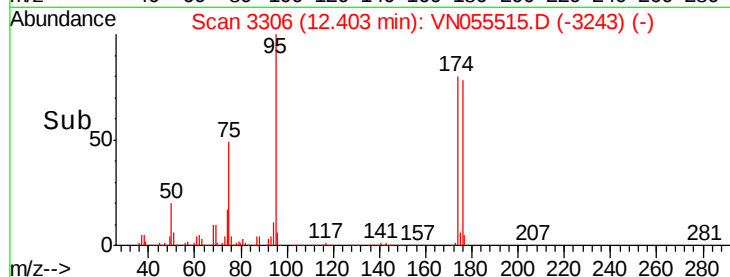
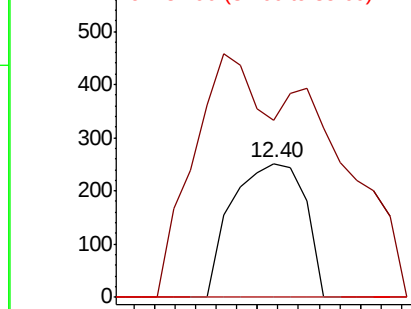
83 100

131 184.1 4.5 13.5#

85 0.0 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: 27.514 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055515.D

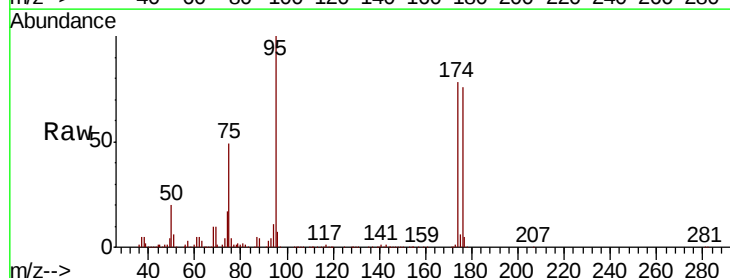
Acq: 9 May 2019 23:34

Tgt Ion: 75 Resp: 250991

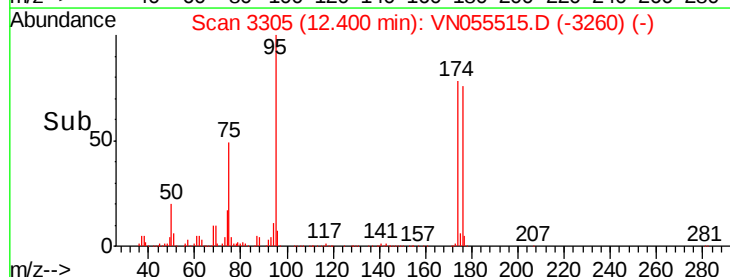
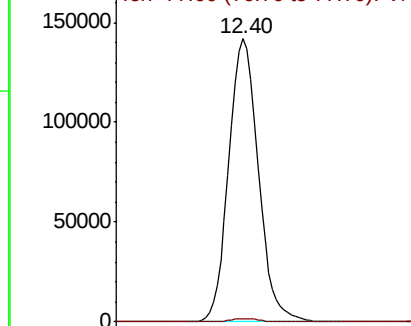
Ion Ratio Lower Upper

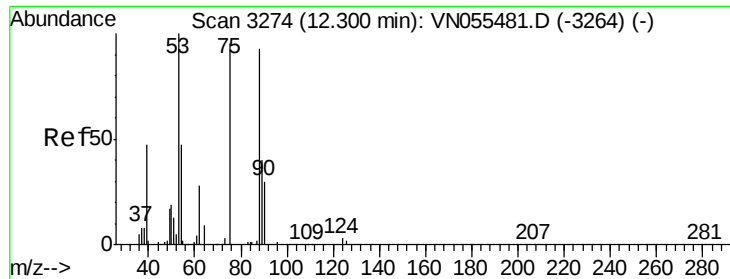
75 100

77 1.2 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: 101.521 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055515.D

Acq: 9 May 2019 23:34

Instrument :

MSVOA_N

ClientSampleId :

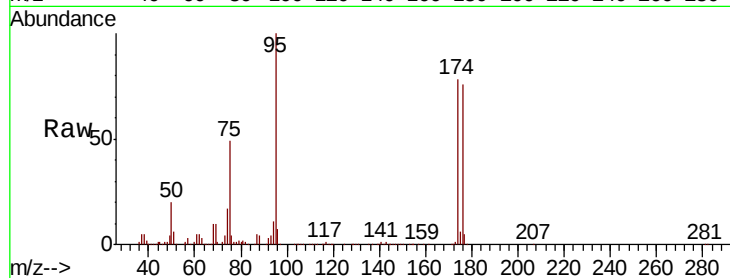
Tot Ion: 75 Resp: 250991

Ion Ratio Lower Upper

75 100

53 0.0 86.5 129.7#

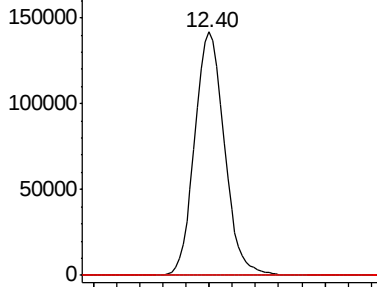
89 0.0 35.7 53.5#



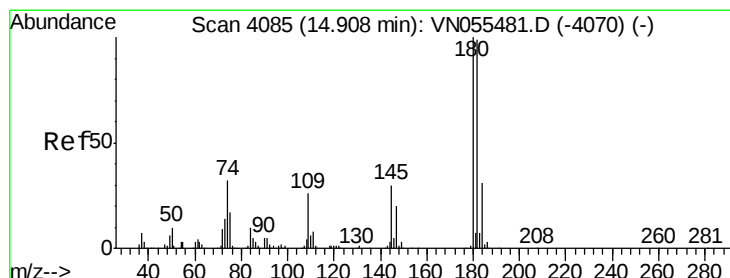
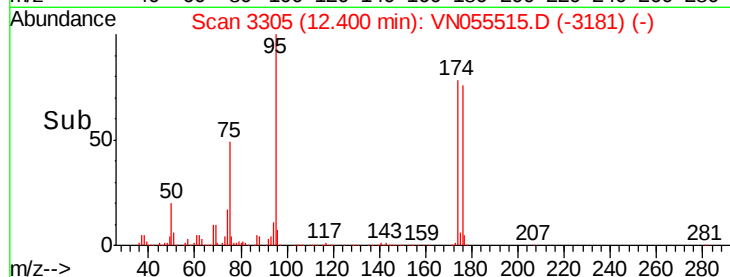
Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



Time--> 12.30 12.40 12.50



#93

1,2,4-Trichlorobenzene

Concen: 3.310 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN055515.D

Acq: 9 May 2019 23:34

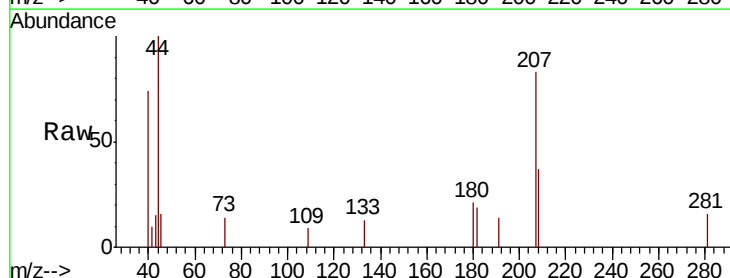
Tgt Ion:180 Resp: 556

Ion Ratio Lower Upper

180 100

182 84.2 48.7 146.1

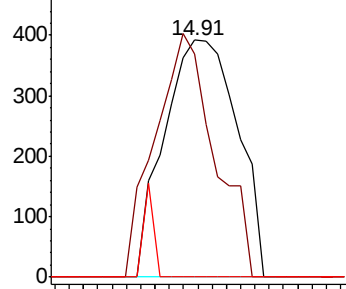
145 5.4 15.3 45.9#



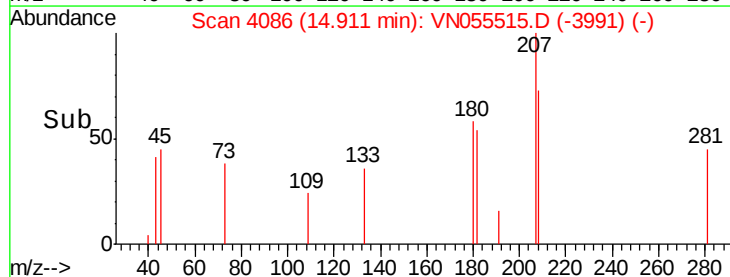
Abundance Ion 179.80 (179.50 to 180.50): V

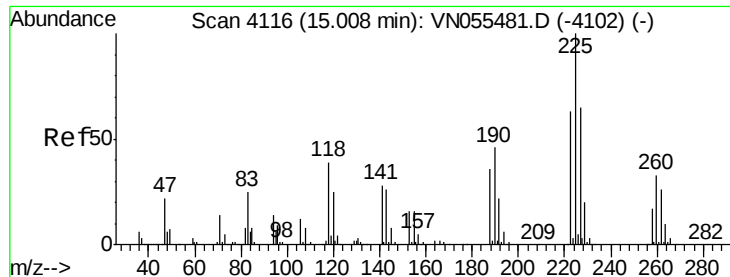
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



Time--> 14.88 14.90 14.92 14.94

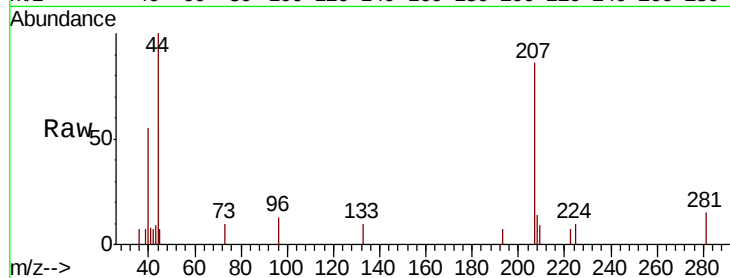




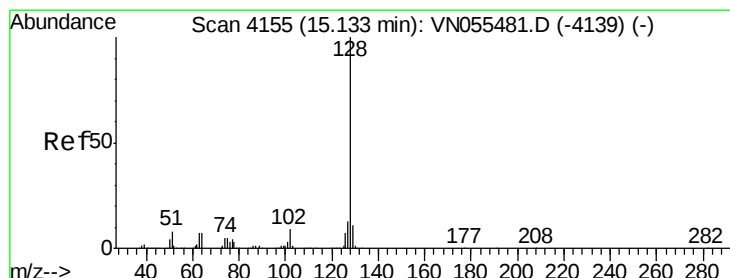
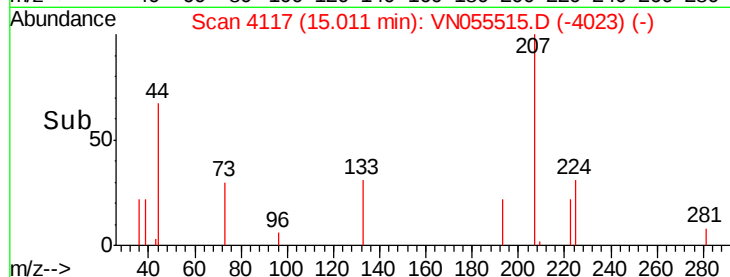
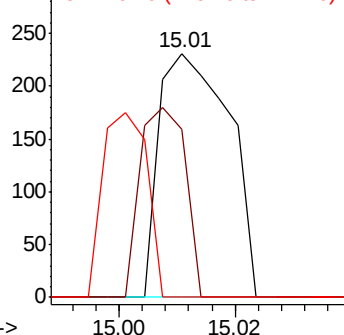
#94
Hexachlorobutadiene
Concen: Below Cal
RT: 15.01 min Scan# 4117
Delta R.T. 0.00 min
Lab File: VN055515.D
Acq: 9 May 2019 23:34

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:225 Resp: 193
Ion Ratio Lower Upper
225 100
223 50.3 31.4 94.3
227 48.7 32.0 96.0

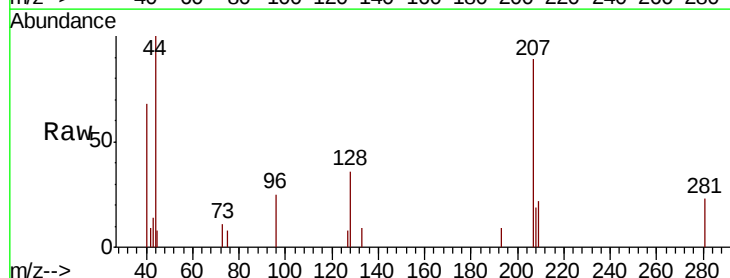


Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V

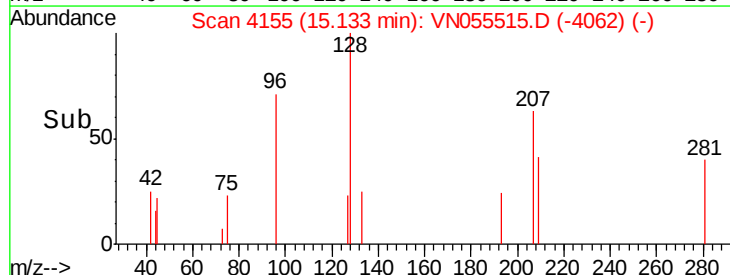
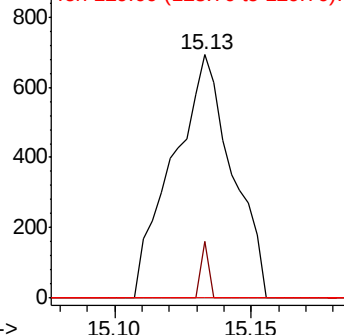


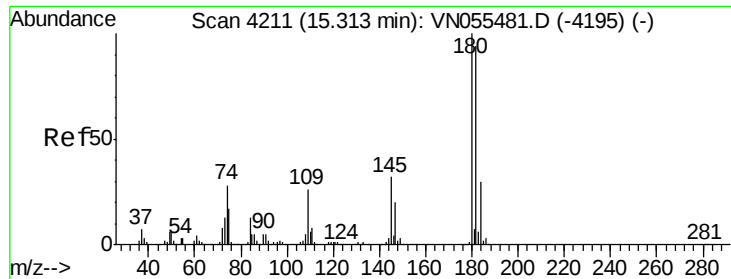
#95
Naphthalene
Concen: 3.007 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN055515.D
Acq: 9 May 2019 23:34

Tgt Ion:128 Resp: 1042
Ion Ratio Lower Upper
128 100
127 3.0 10.0 15.0#
129 0.0 8.8 13.2#



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: 2.534 ug/l
 RT: 15.32 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN055515.D
 Acq: 9 May 2019 23:34

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	36.1	47.1	141.3#
145	0.0	15.8	47.4#

