

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051019\
 Data File : VN055539.D
 Acq On : 10 May 2019 9:51
 Operator : JC/SP
 Sample : VN0510WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0510WBL01

Quant Time: May 11 00:53:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N050819W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 10 06:48:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	924512	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1540779	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1303339	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	375880	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	662580	47.60	ug/l	0.00
Spiked Amount			Recovery	=	95.20%	
35) Dibromofluoromethane	7.59	113	513953	51.71	ug/l	0.00
Spiked Amount			Recovery	=	103.42%	
50) Toluene-d8	10.09	98	1987889	51.32	ug/l	0.00
Spiked Amount			Recovery	=	102.64%	
62) 4-Bromofluorobenzene	12.40	95	589779	45.16	ug/l	0.00
Spiked Amount			Recovery	=	90.32%	

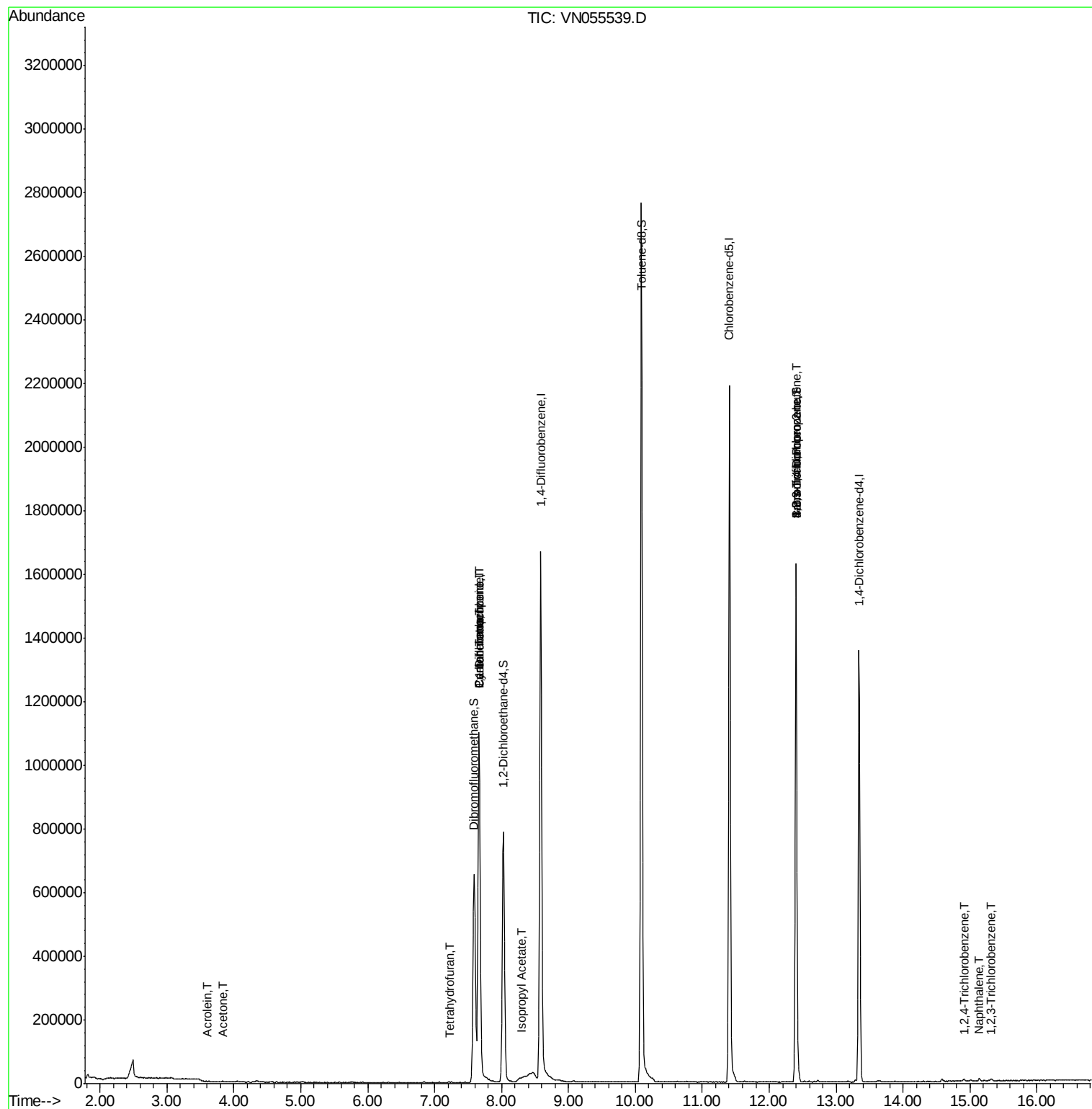
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.61	56	538	0.393	ug/l #	80
16) Acetone	3.83	43	1869	0.290	ug/l #	87
18) Methyl Acetate	4.33	43	4260	Below Cal	#	53
29) Tetrahydrofuran	7.23	42	1277	0.217	ug/l #	39
31) Cyclohexane	7.66	56	19924	0.887	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	71645	4.720	ug/l #	51
38) Carbon Tetrachloride	7.66	117	86340	6.755	ug/l #	16
43) Isopropyl Acetate	8.29	43	16260	0.646	ug/l #	63
71) Bromoform	12.40	173	2904	0.466	ug/l #	1
73) Isopropylbenzene	12.25	105	1633	Below Cal		78
75) 1,1,2,2-Tetrachloroethane	12.50	83	94	Below Cal	#	25
76) 1,2,3-Trichloropropane	12.40	75	296078	28.934	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	296078	106.764	ug/l #	7
93) 1,2,4-Trichlorobenzene	14.91	180	2187	3.573	ug/l	86
94) Hexachlorobutadiene	15.01	225	972	Below Cal		85
95) Naphthalene	15.13	128	5828	3.287	ug/l #	96
96) 1,2,3-Trichlorobenzene	15.31	180	2561	2.827	ug/l	89

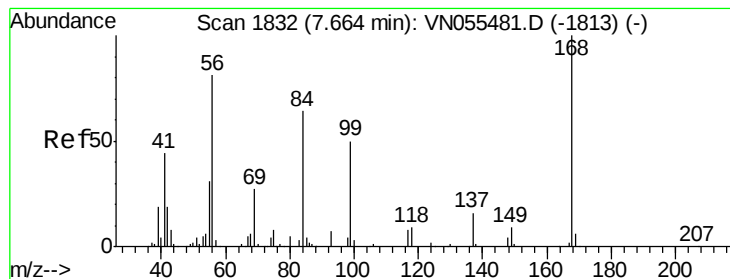
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :
VN0510WBL01

Quant Time: May 11 00:53:47 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N050819W.M
Quant Title : SW846 8260
QLast Update : Fri May 10 06:48:32 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN055539.D

Acq: 10 May 2019 9:51

Instrument :

MSVOA_N

ClientSampleId :

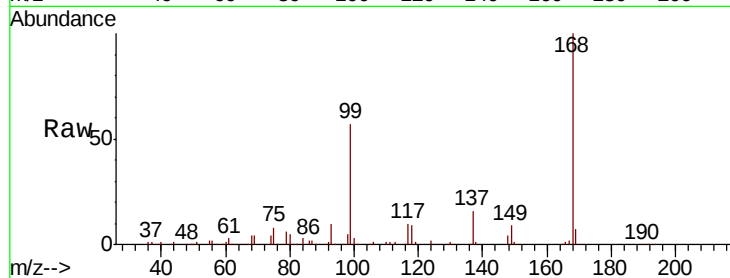
VN0510WBL01

Tot Ion:168 Resp: 924512

Ion Ratio Lower Upper

168 100

99 57.1 47.0 70.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

400000

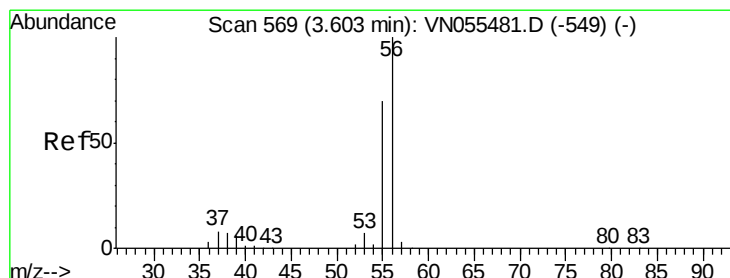
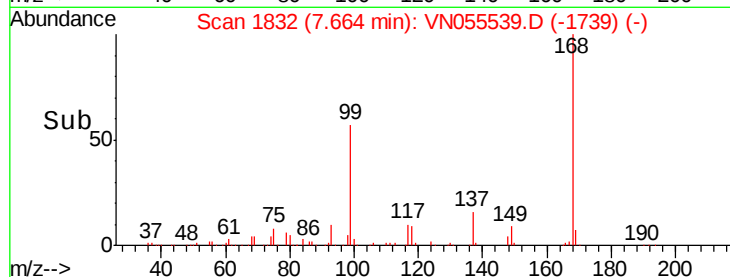
300000

200000

100000

0

Time--> 7.50 7.60 7.70 7.80



#13

Acrolein

Concen: 0.393 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN055539.D

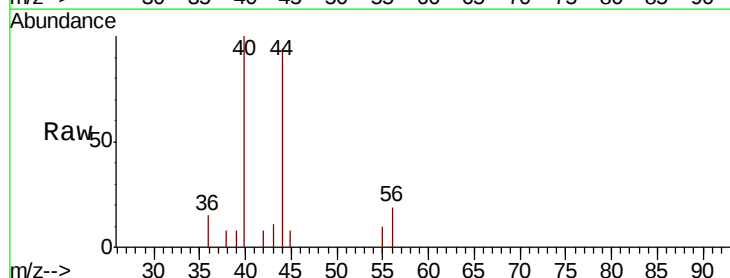
Acq: 10 May 2019 9:51

Tgt Ion: 56 Resp: 538

Ion Ratio Lower Upper

56 100

55 55.0 57.7 86.5#



Abundance Ion 56.00 (55.70 to 56.70): VN

Ion 55.00 (54.70 to 55.70): VN

3.61

500

400

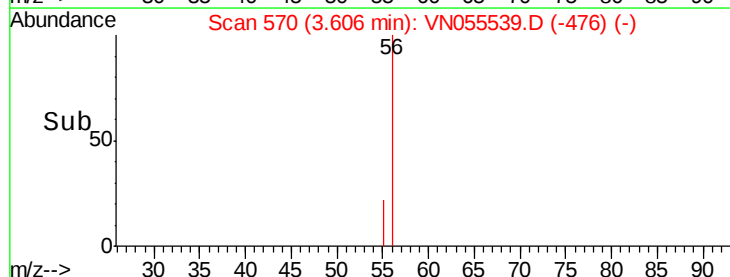
300

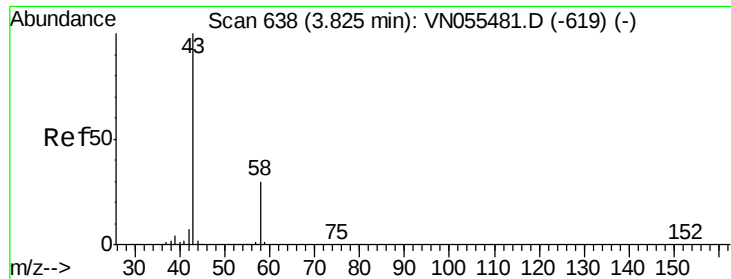
200

100

0

Time--> 3.60 3.62 3.64





#16

Acetone

Concen: 0.290 ug/l

RT: 3.83 min Scan# 640

Delta R.T. 0.01 min

Lab File: VN055539.D

Acq: 10 May 2019 9:51

Instrument :

MSVOA_N

ClientSampleId :

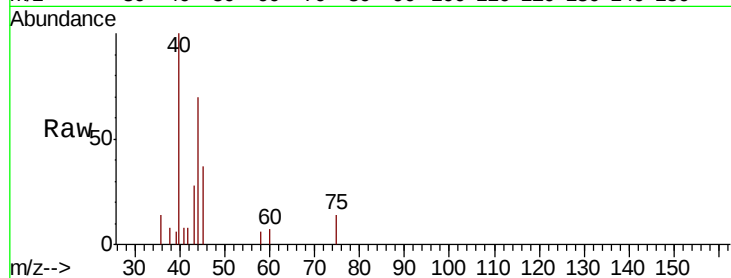
VN0510WBL01

Tot Ion: 43 Resp: 1869

Ion Ratio Lower Upper

43 100

58 23.1 24.2 36.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.83

800

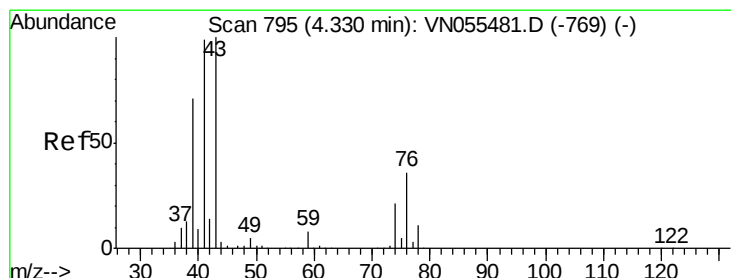
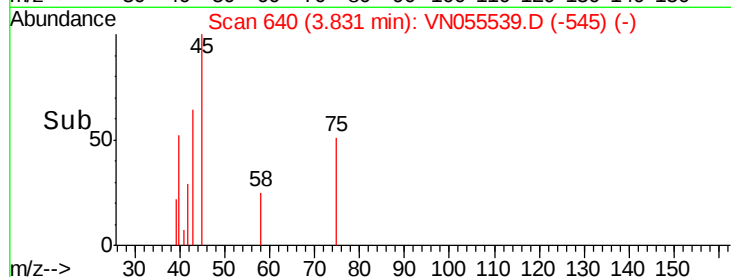
600

400

200

0

Time--> 3.75 3.80 3.85



#18

Methyl Acetate

Concen: Below Cal

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN055539.D

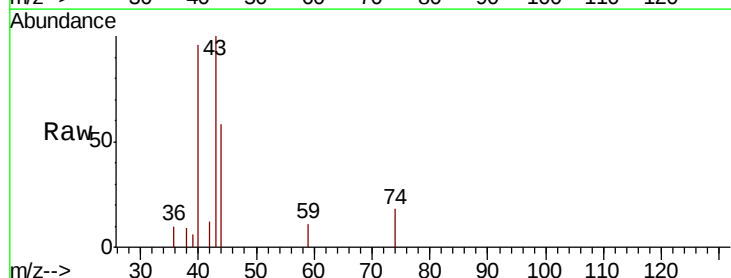
Acq: 10 May 2019 9:51

Tgt Ion: 43 Resp: 4260

Ion Ratio Lower Upper

43 100

74 42.3 16.3 24.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.33

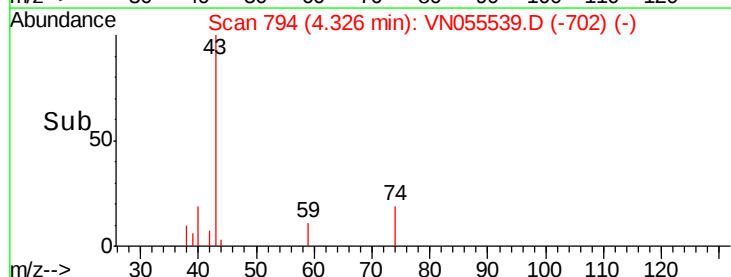
3000

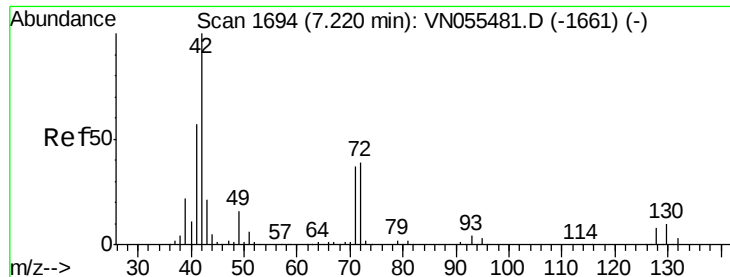
2000

1000

0

Time--> 4.26 4.28 4.30 4.32 4.34





#29

Tetrahydrofuran

Concen: 0.217 ug/l

RT: 7.23 min Scan# 1696

Delta R.T. 0.01 min

Lab File: VN055539.D

Acq: 10 May 2019 9:51

Instrument :

MSVOA_N

ClientSampleId :

VN0510WBL01

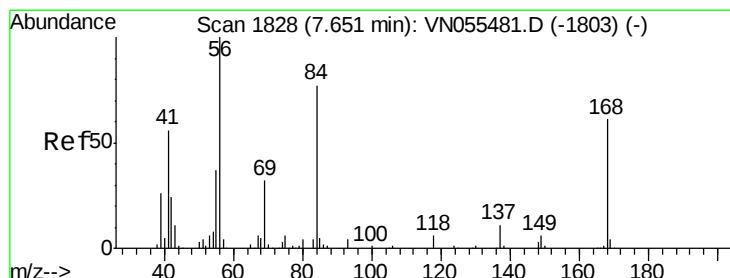
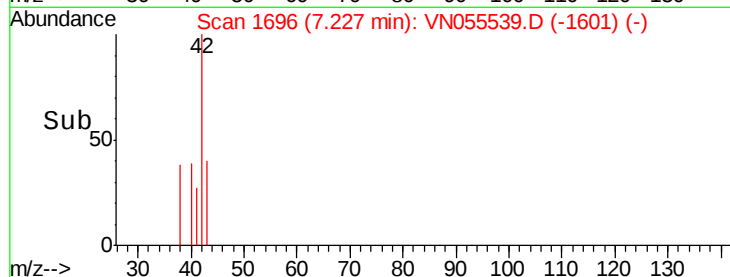
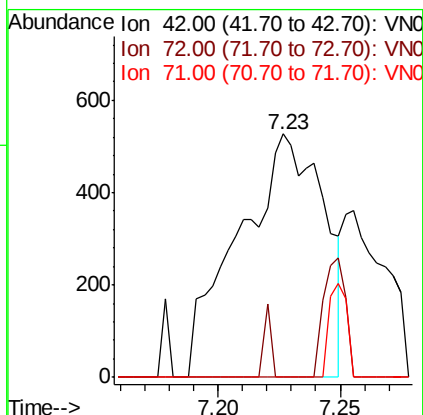
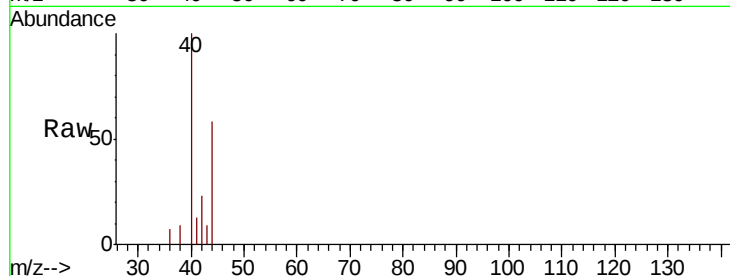
Tot Ion: 42 Resp: 1277

Ion Ratio Lower Upper

42 100

72 2.4 31.0 46.6#

71 0.0 29.4 44.2#



#31

Cyclohexane

Concen: 0.887 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN055539.D

Acq: 10 May 2019 9:51

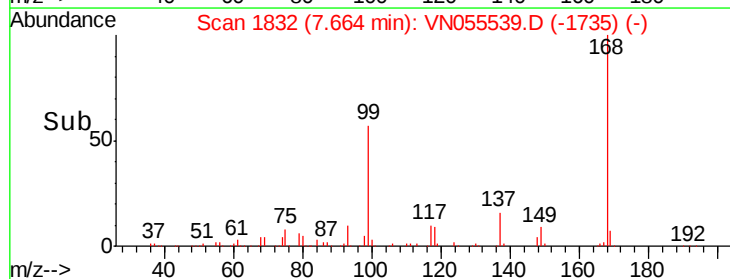
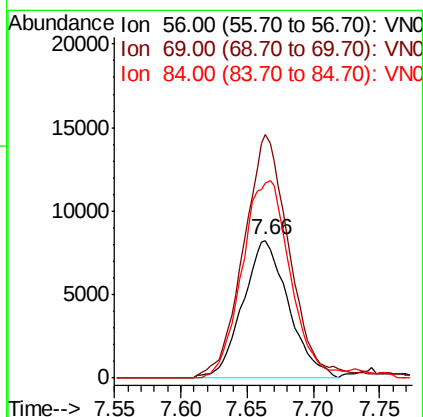
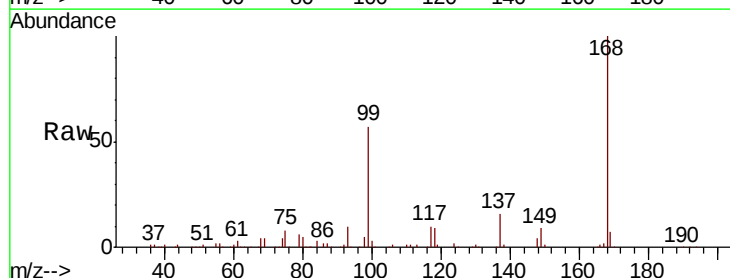
Tgt Ion: 56 Resp: 19924

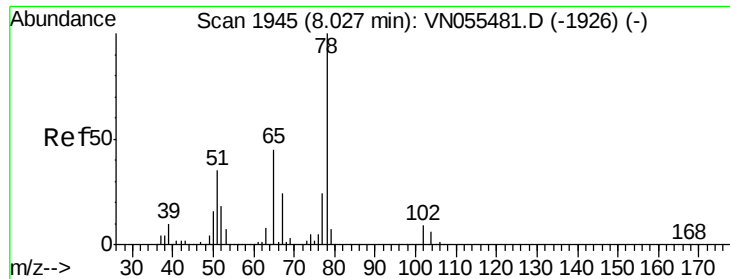
Ion Ratio Lower Upper

56 100

69 177.2 26.0 39.0#

84 142.3 61.9 92.9#





#33

1,2-Dichloroethane-d4

Concen: 47.599 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN055539.D

Acq: 10 May 2019 9:51

Instrument :

MSVOA_N

ClientSampleId :

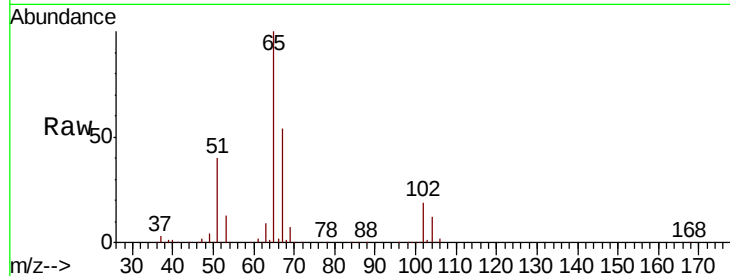
VN0510WBL01

Tot Ion: 65 Resp: 662580

Ion Ratio Lower Upper

65 100

67 54.4 0.0 109.6



Abundance Ion 64.90 (64.60 to 65.60): VN055481.D (-1926) (-)

Ion 66.90 (66.60 to 67.60): VN055481.D (-1926) (-)

8.03

300000

250000

200000

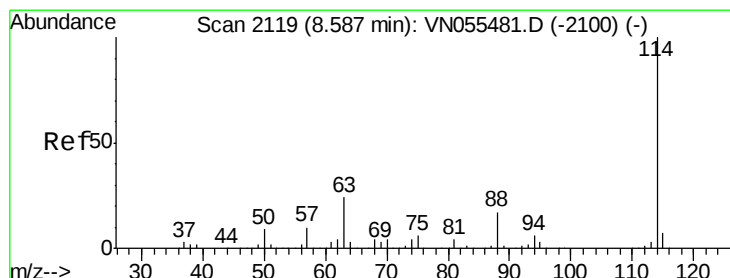
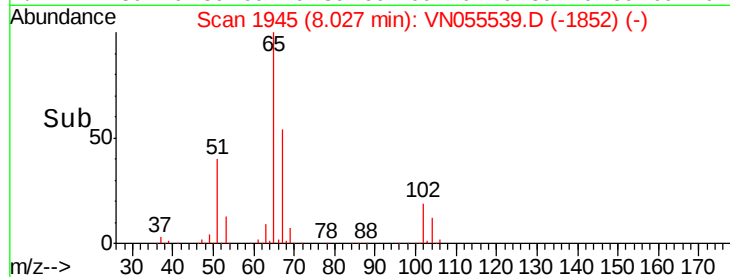
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN055539.D

Acq: 10 May 2019 9:51

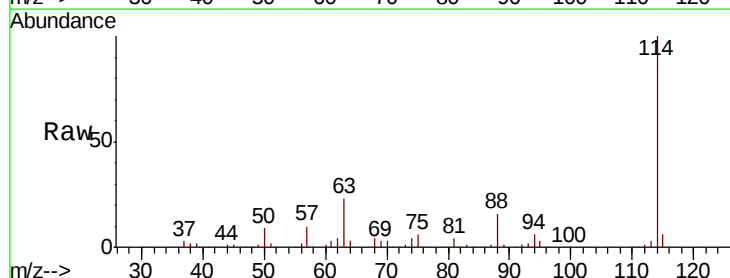
Tgt Ion: 114 Resp: 1540779

Ion Ratio Lower Upper

114 100

63 22.6 0.0 47.4

88 16.4 0.0 34.0



Abundance Ion 113.90 (113.60 to 114.60): VN055481.D (-2100) (-)

Ion 63.00 (62.70 to 63.70): VN055481.D (-2100) (-)

Ion 87.90 (87.60 to 88.60): VN055481.D (-2100) (-)

8.59

800000

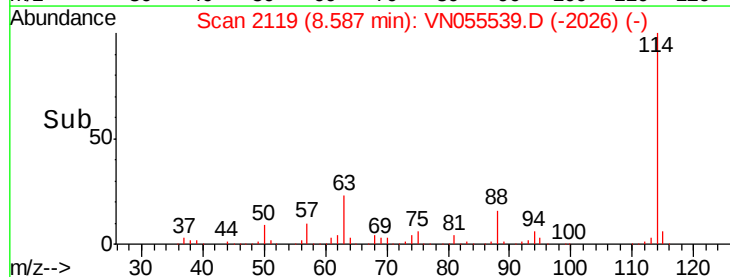
600000

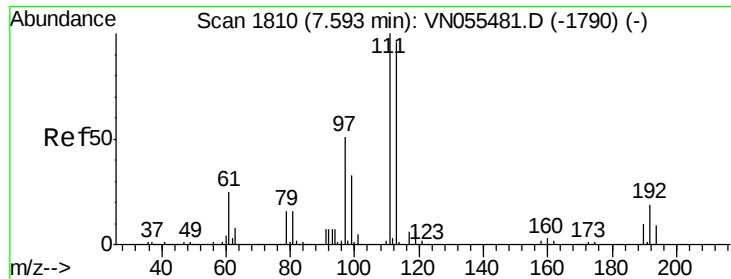
400000

200000

0

Time-->

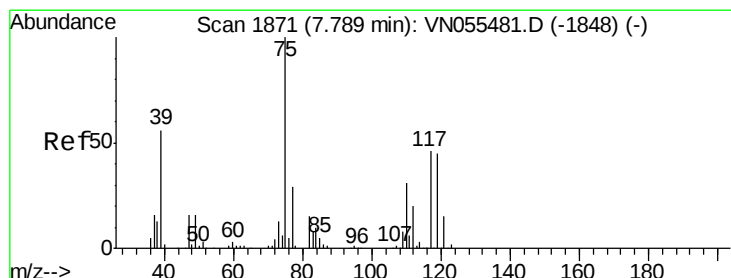
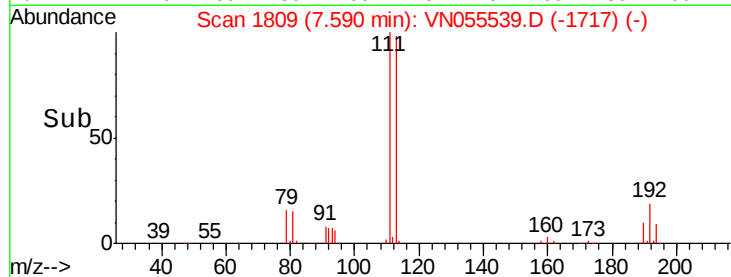
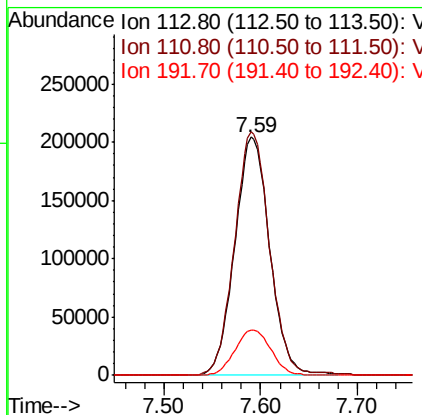
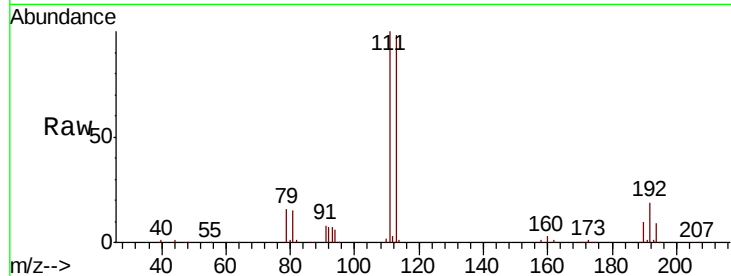




#35
 Dibromofluoromethane
 Concen: 51.709 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN055539.D
 Acq: 10 May 2019 9:51

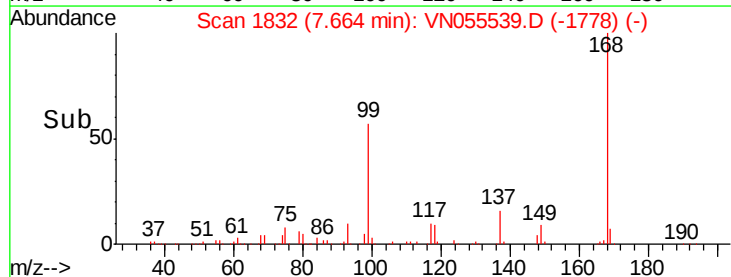
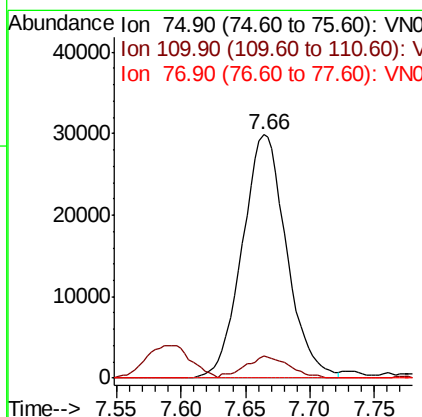
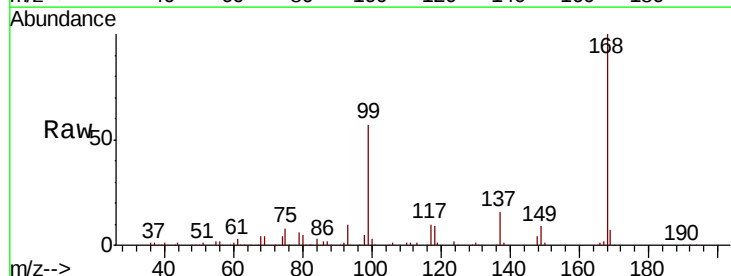
Instrument :
 MSVOA_N
 ClientSampled :
 VN0510WBL01

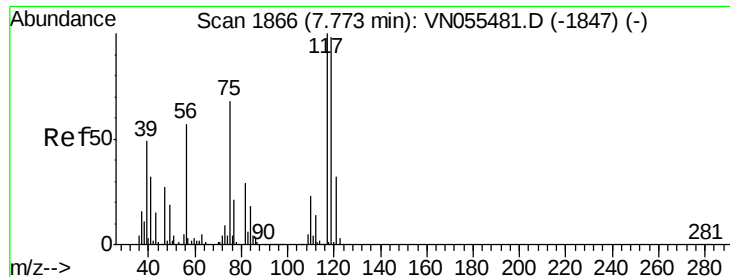
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.9	124.3
192	19.6	15.6	23.4



#36
 1,1-Dichloropropene
 Concen: 4.720 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN055539.D
 Acq: 10 May 2019 9:51

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.9	16.1	48.3#
77	0.0	24.6	37.0#





#38

Carbon Tetrachloride

Concen: 6.755 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN055539.D

Acq: 10 May 2019 9:51

Instrument :

MSVOA_N

ClientSampleId :

VN0510WBL01

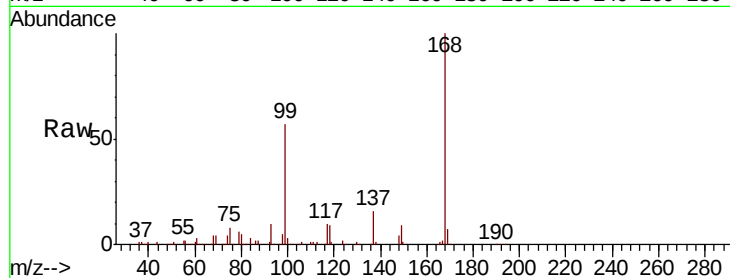
Tot Ion:117 Resp: 86340

Ion Ratio Lower Upper

117 100

119 5.5 77.8 116.6#

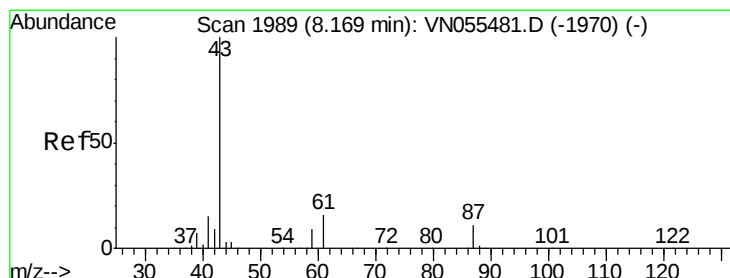
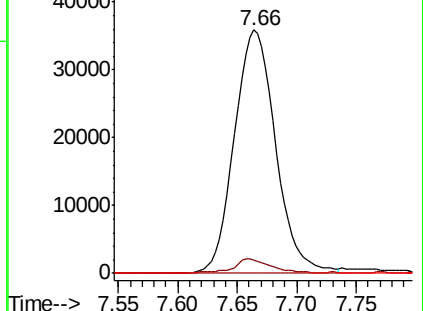
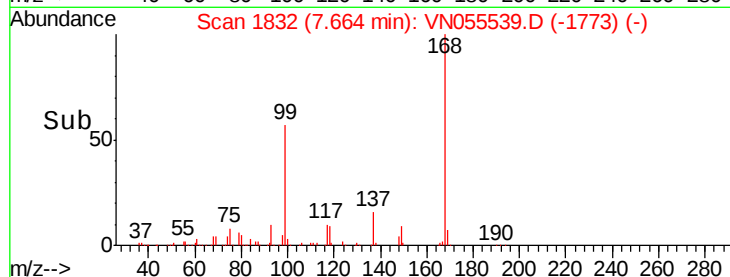
121 0.0 25.2 37.8#



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: 0.646 ug/l

RT: 8.29 min Scan# 2026

Delta R.T. 0.12 min

Lab File: VN055539.D

Acq: 10 May 2019 9:51

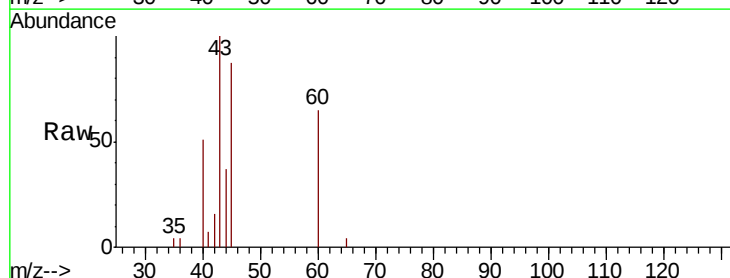
Tgt Ion: 43 Resp: 16260

Ion Ratio Lower Upper

43 100

61 0.0 15.1 22.7#

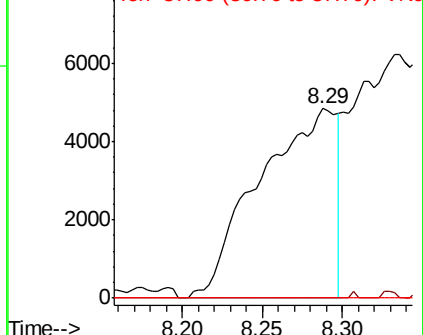
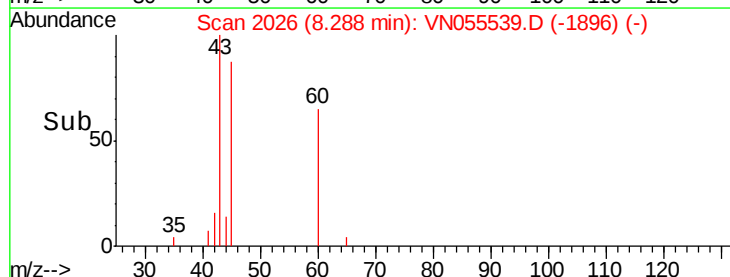
87 0.0 9.0 13.6#

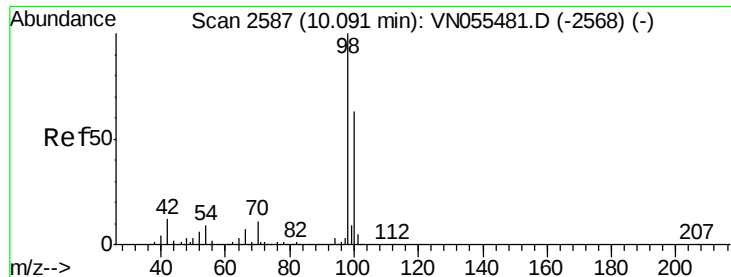


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#50

Toluene-d8

Concen: 51.324 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN055539.D

Acq: 10 May 2019 9:51

Instrument :

MSVOA_N

ClientSampleId :

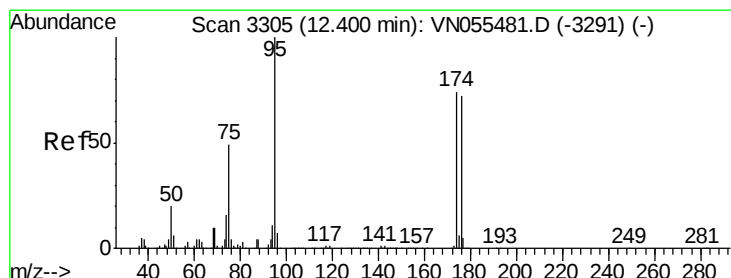
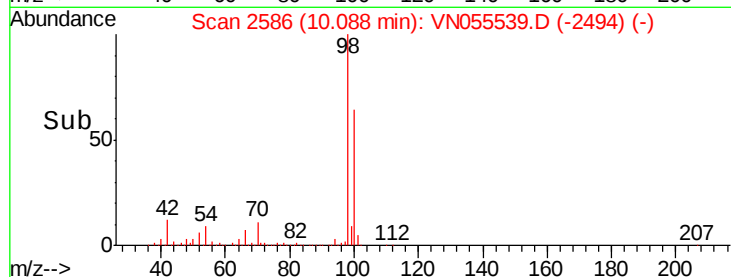
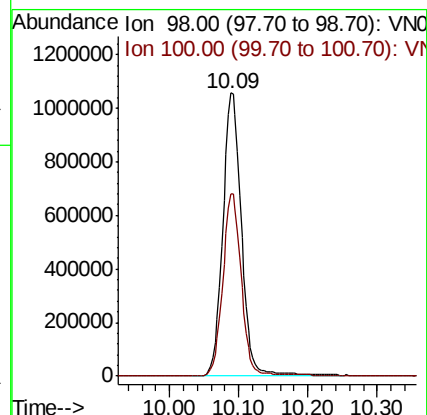
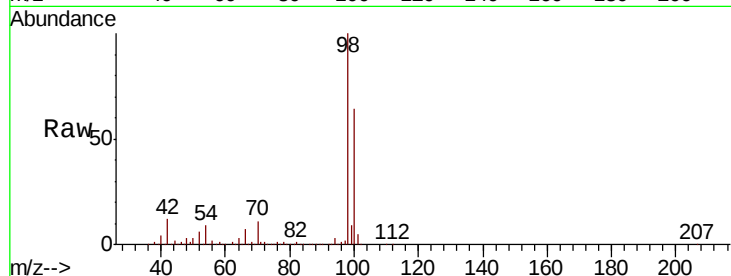
VN0510WBL01

Tot Ion: 98 Resp: 1987889

Ion Ratio Lower Upper

98 100

100 63.2 50.4 75.6



#62

4-Bromofluorobenzene

Concen: 45.159 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN055539.D

Acq: 10 May 2019 9:51

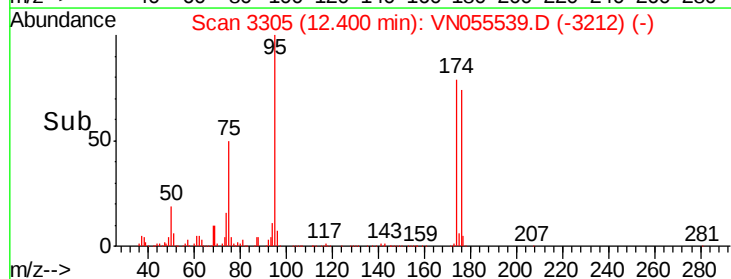
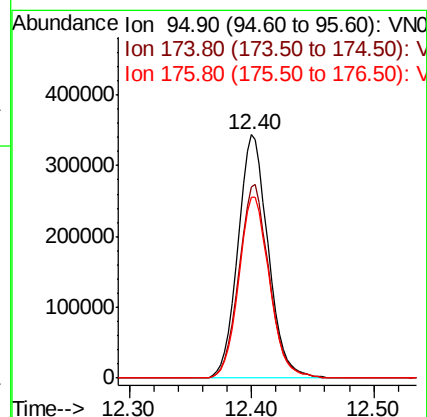
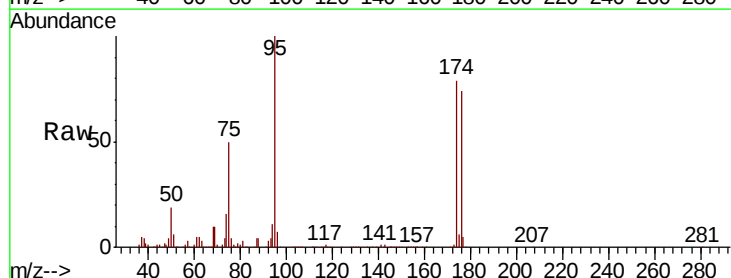
Tgt Ion: 95 Resp: 589779

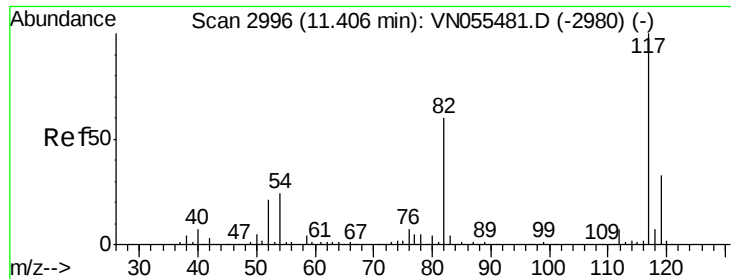
Ion Ratio Lower Upper

95 100

174 79.8 0.0 152.2

176 75.7 0.0 147.8

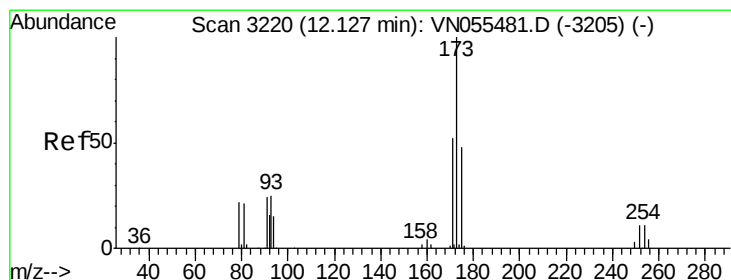
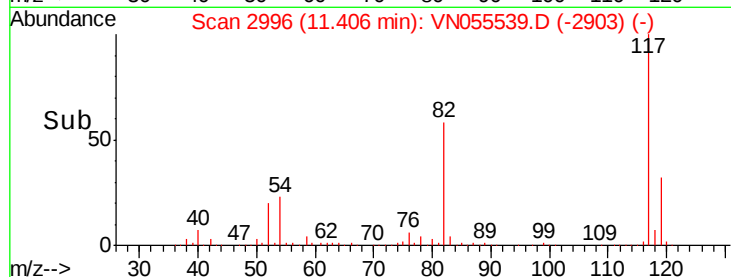
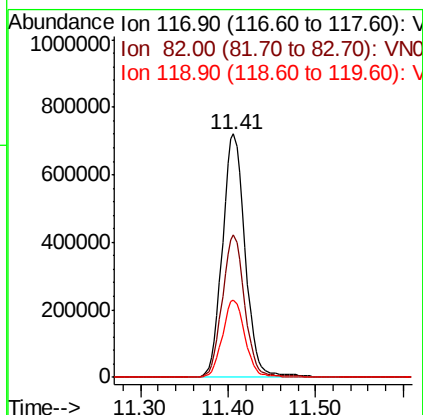
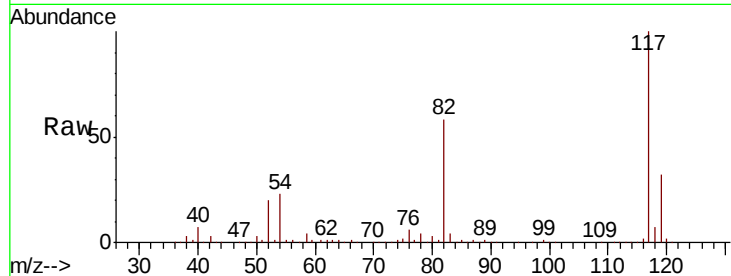




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN055539.D
Acq: 10 May 2019 9:51

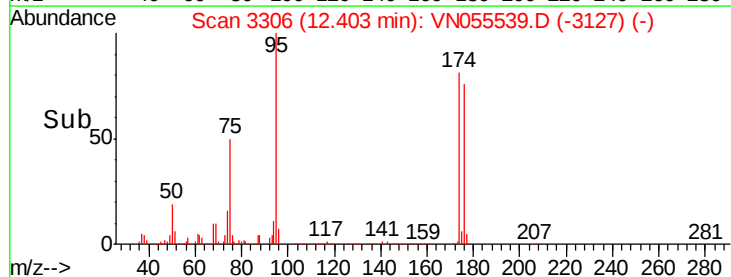
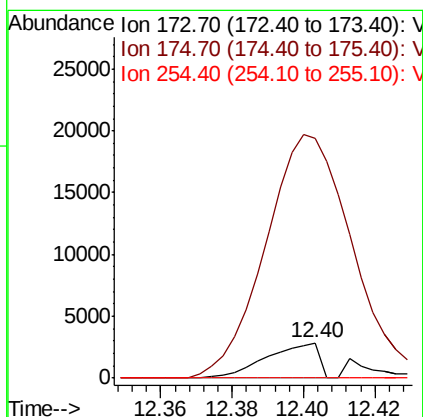
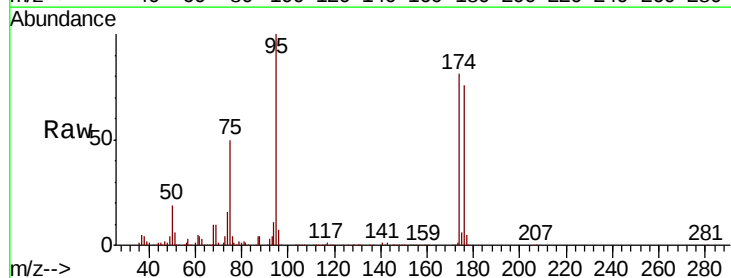
Instrument :
MSVOA_N
ClientSampleId :
VN0510WBL01

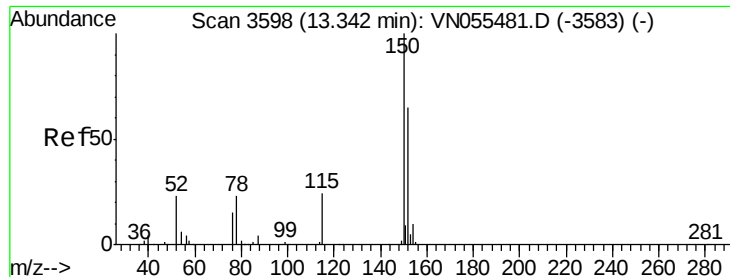
Tot Ion:117 Resp: 1303339
Ion Ratio Lower Upper
117 100
82 58.3 48.0 72.0
119 31.7 26.0 39.0



#71
Bromoform
Concen: 0.466 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN055539.D
Acq: 10 May 2019 9:51

Tgt Ion:173 Resp: 2904
Ion Ratio Lower Upper
173 100
175 990.3 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: VN055539.D

Acq: 10 May 2019 9:51

Instrument :

MSVOA_N

ClientSampleId :

VN0510WBL01

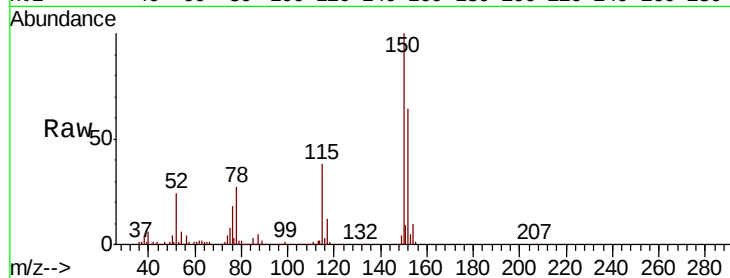
Tot Ion:152 Resp: 375880

Ion Ratio Lower Upper

152 100

115 59.2 30.1 90.5

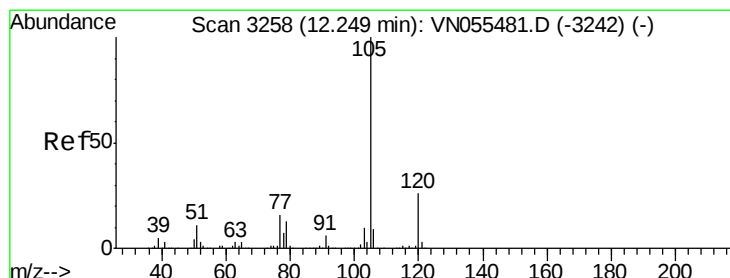
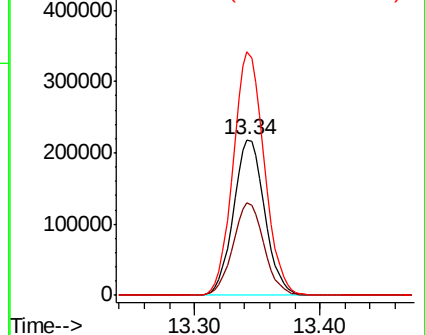
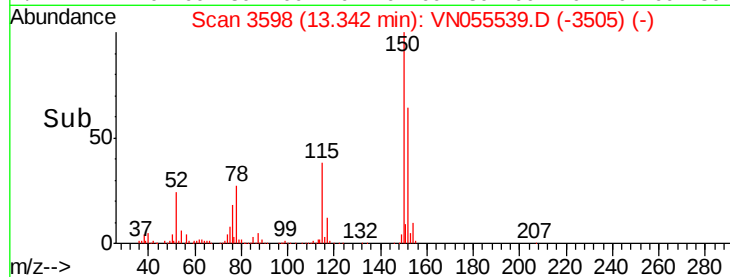
150 156.0 0.0 355.0



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: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055539.D

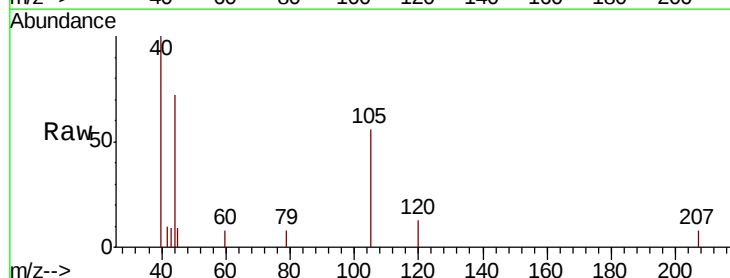
Acq: 10 May 2019 9:51

Tgt Ion:105 Resp: 1633

Ion Ratio Lower Upper

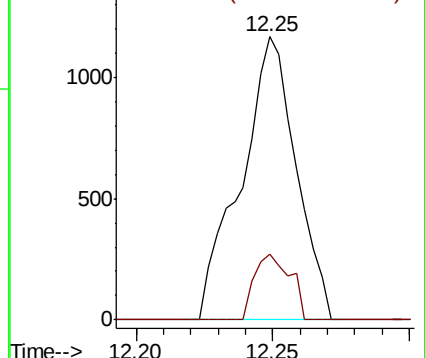
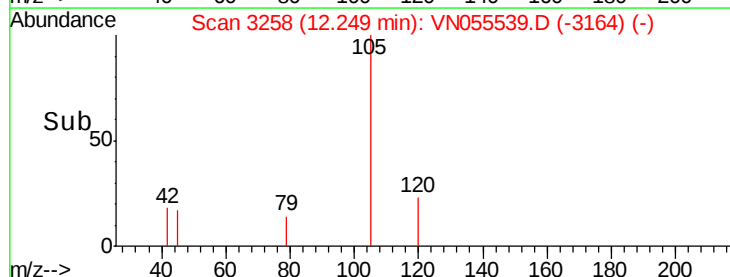
105 100

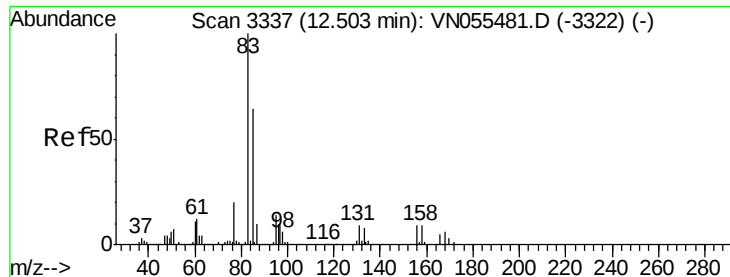
120 15.0 13.0 39.0



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: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN055539.D

Acq: 10 May 2019 9:51

Instrument :

MSVOA_N

ClientSampleId :

VN0510WBL01

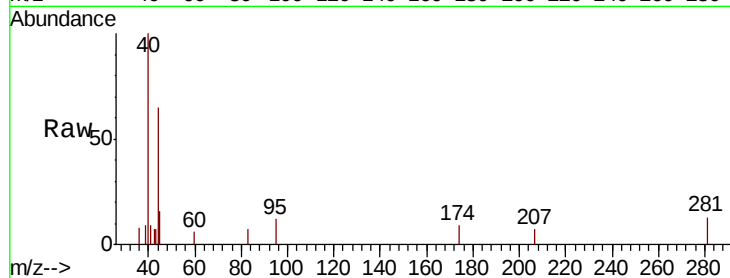
Tot Ion: 83 Resp: 94

Ion Ratio Lower Upper

83 100

131 0.0 4.5 13.5#

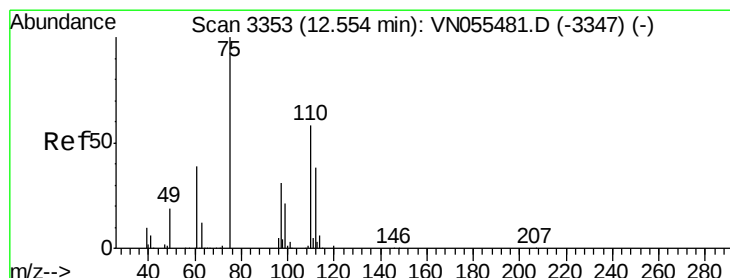
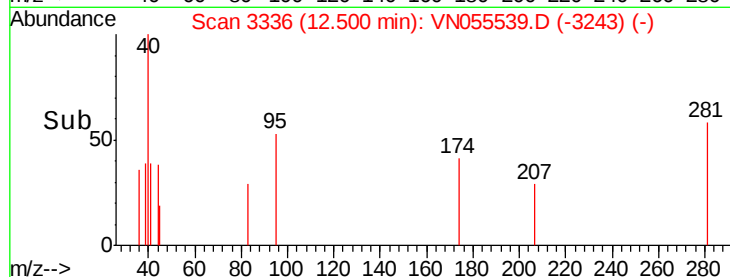
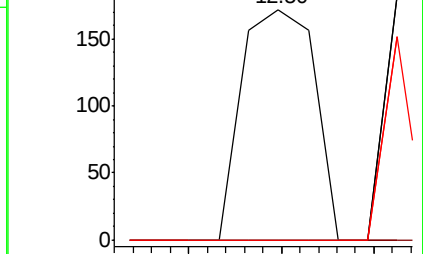
85 0.0 32.0 96.0#



Abundance Ion 82.90 (82.60 to 83.60): VN055539.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN055539.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN055539.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 28.934 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055539.D

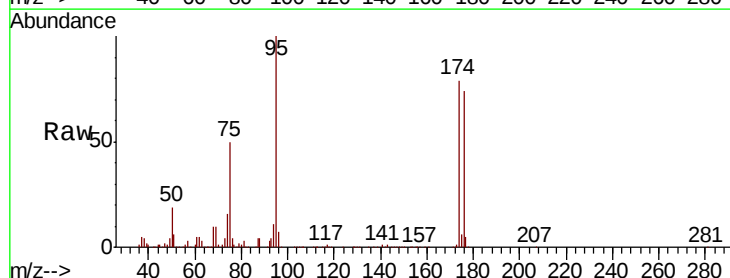
Acq: 10 May 2019 9:51

Tgt Ion: 75 Resp: 296078

Ion Ratio Lower Upper

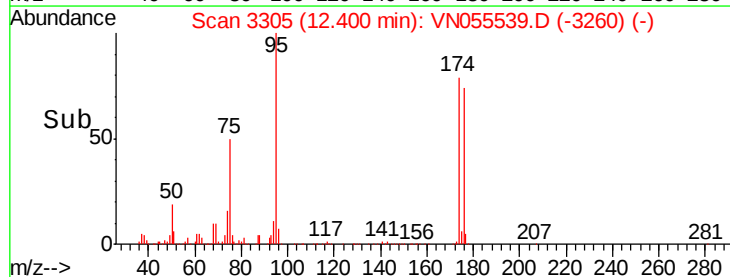
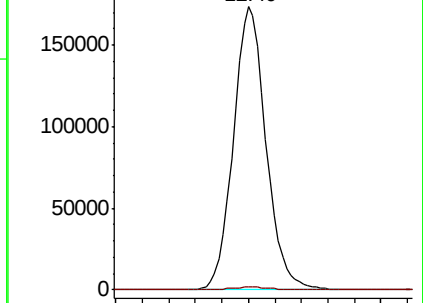
75 100

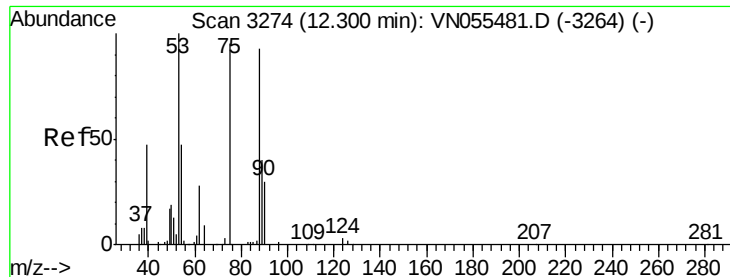
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN055539.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN055539.D (-3260) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 106.764 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055539.D

Acq: 10 May 2019 9:51

Instrument :

MSVOA_N

ClientSampleId :

VN0510WBL01

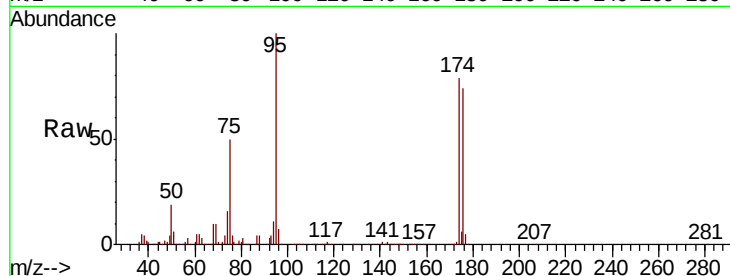
Tot Ion: 75 Resp: 296078

Ion Ratio Lower Upper

75 100

53 0.1 86.5 129.7#

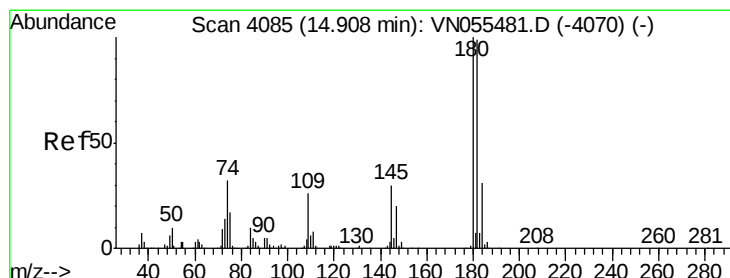
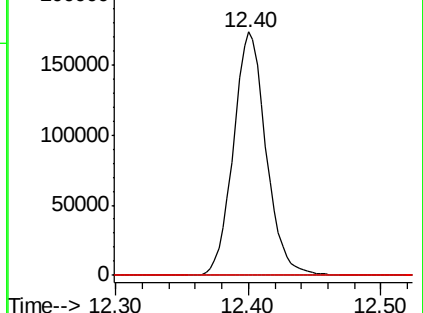
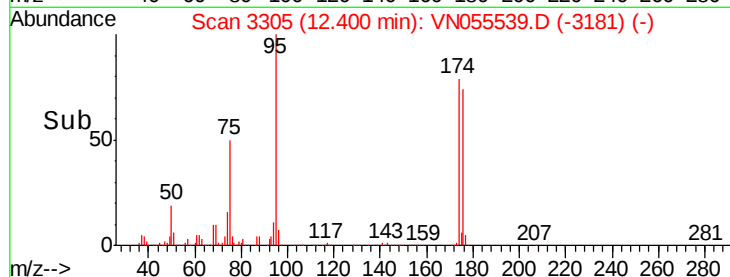
89 0.0 35.7 53.5#



Abundance Ion 74.90 (74.60 to 75.60): VN055539.D (-3181) (-)

Ion 53.00 (52.70 to 53.70): VN055539.D (-3181) (-)

Ion 88.90 (88.60 to 89.60): VN055539.D (-3181) (-)



#93

1,2,4-Trichlorobenzene

Concen: 3.573 ug/l

RT: 14.91 min Scan# 4087

Delta R.T. 0.01 min

Lab File: VN055539.D

Acq: 10 May 2019 9:51

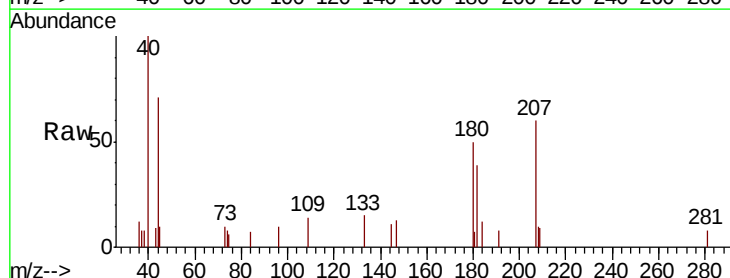
Tgt Ion: 180 Resp: 2187

Ion Ratio Lower Upper

180 100

182 82.1 48.7 146.1

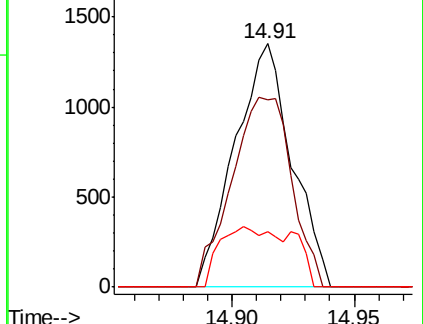
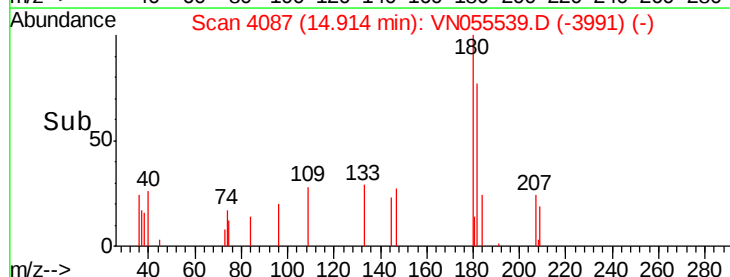
145 24.9 15.3 45.9

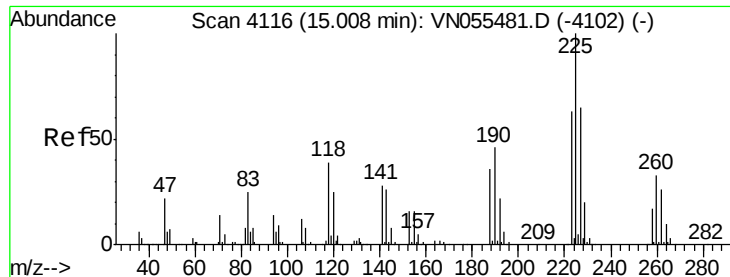


Abundance Ion 179.80 (179.50 to 180.50): VN055539.D (-3991) (-)

Ion 181.80 (181.50 to 182.50): VN055539.D (-3991) (-)

Ion 144.80 (144.50 to 145.50): VN055539.D (-3991) (-)





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4116

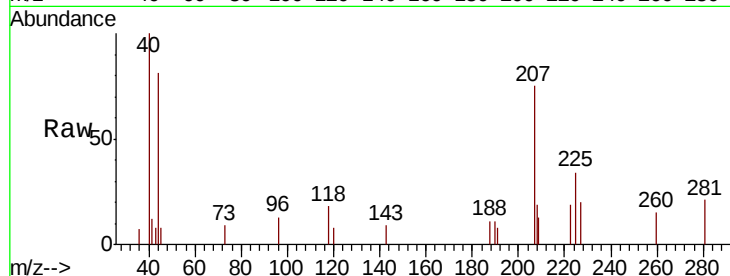
Delta R.T. 0.00 min

Lab File: VN055539.D

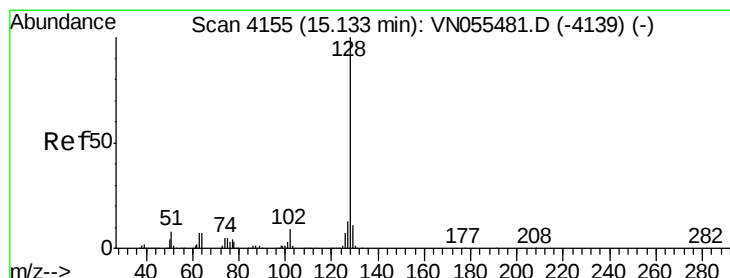
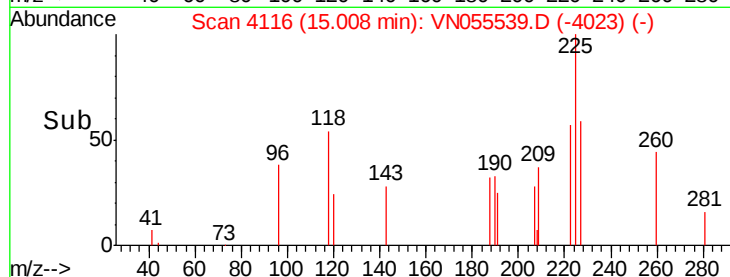
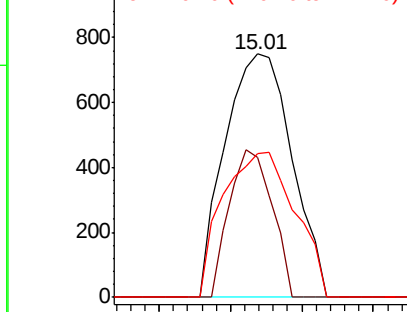
Acq: 10 May 2019 9:51

Instrument :
MSVOA_N
ClientSampled :
VN0510WBL01

Tot Ion:	225	Resp:	972
Ion	Ratio	Lower	Upper
225	100		
223	38.8	31.4	94.3
227	64.1	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: 3.287 ug/l

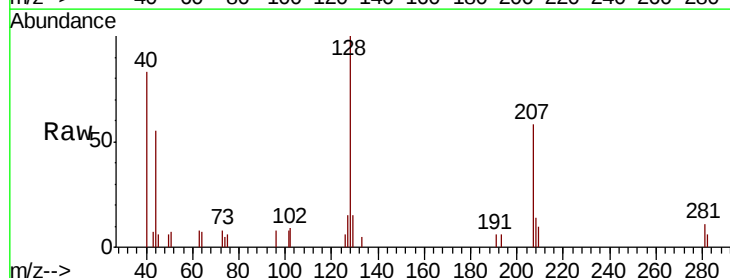
RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

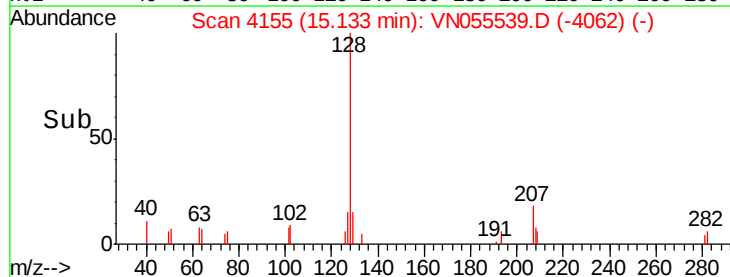
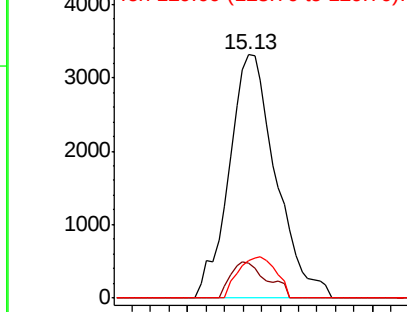
Lab File: VN055539.D

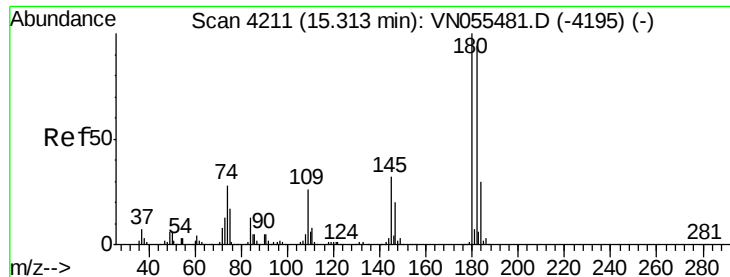
Acq: 10 May 2019 9:51

Tgt Ion:	128	Resp:	5828
Ion	Ratio	Lower	Upper
128	100		
127	11.7	10.0	15.0
129	13.5	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

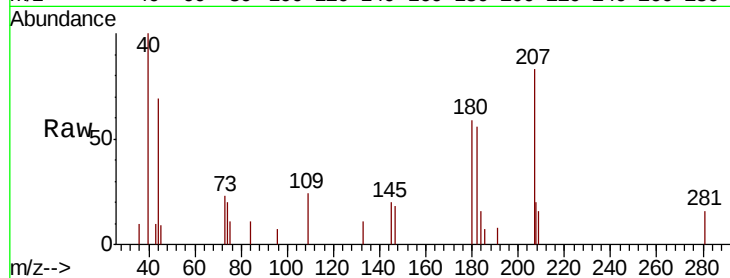




#96
 1,2,3-Trichlorobenzene
 Concen: 2.827 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. 0.00 min
 Lab File: VN055539.D
 Acq: 10 May 2019 9:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0510WBL01

Tot Ion	Ratio	Lower	Upper
180	100		
182	84.1	47.1	141.3
145	38.6	15.8	47.4



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

