

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051719\
 Data File : VN055616.D
 Acq On : 17 May 2019 17:33
 Operator : JC/SP
 Sample : K2902-10
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 18 03:10:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051719W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 23:54:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	397765	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	561028	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	458131	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	176438	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	185487	42.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.08%	
35) Dibromofluoromethane	7.59	113	171810	48.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.42%	
50) Toluene-d8	10.09	98	643797	47.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.56%	
62) 4-Bromofluorobenzene	12.40	95	198730	42.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.42%	

Target Compounds

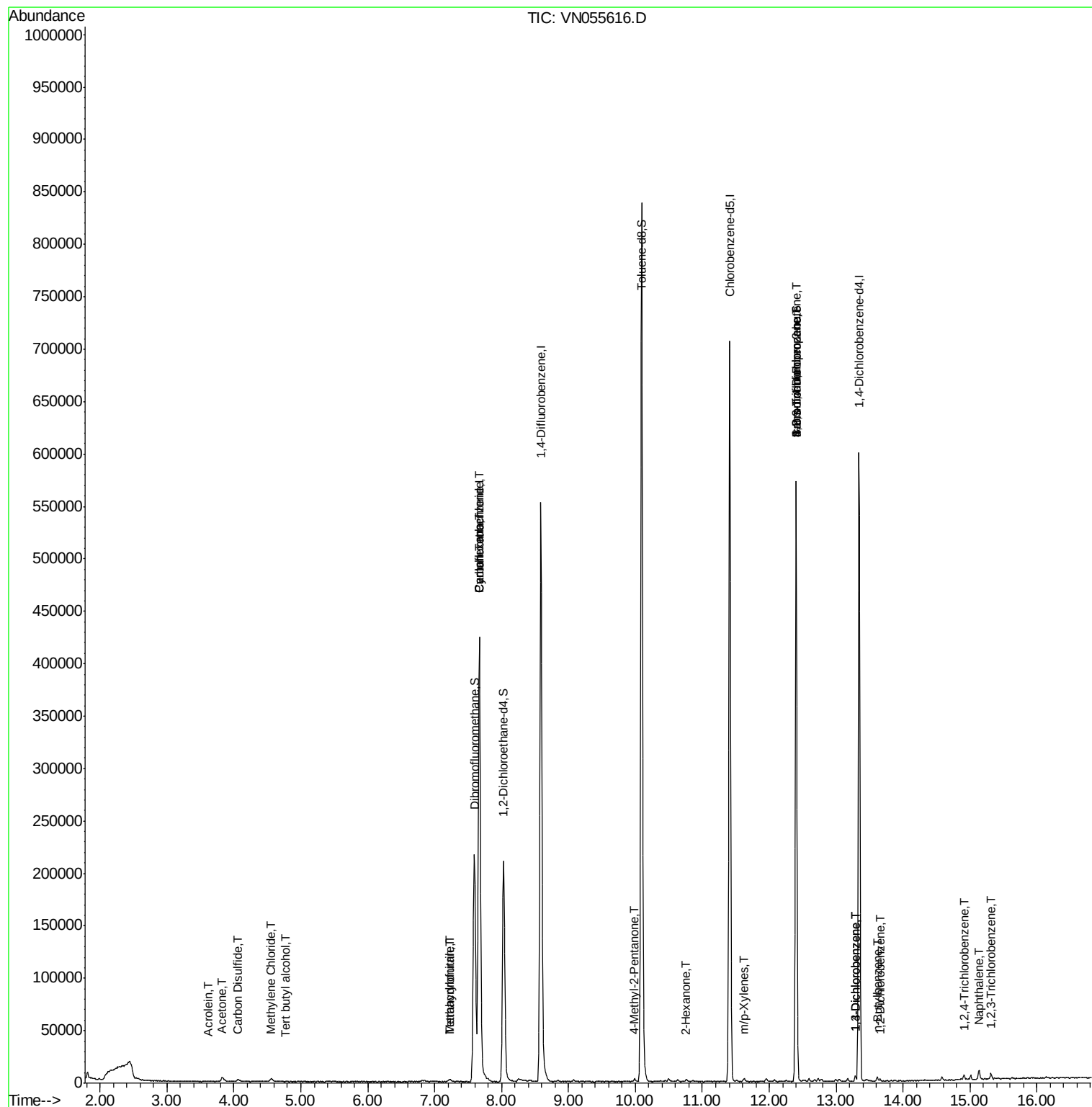
						Qvalue
11) Tert butyl alcohol	4.78	59	235	0.289	ug/l #	92
13) Acrolein	3.61	56	171	1.772	ug/l #	53
16) Acetone	3.82	43	7241	4.069	ug/l	96
17) Carbon Disulfide	4.06	76	3332	0.330	ug/l #	95
20) Methylene Chloride	4.56	84	2835	0.698	ug/l	95
29) Tetrahydrofuran	7.22	42	2358	1.431	ug/l #	79
31) Cyclohexane	7.67	56	6661	1.030	ug/l #	1
38) Carbon Tetrachloride	7.67	117	32818	6.140	ug/l #	15
41) Methacrylonitrile	7.22	41	2358	1.222	ug/l #	100
51) 4-Methyl-2-Pentanone	9.99	43	1988	0.432	ug/l	94
59) 2-Hexanone	10.76	43	1345	0.415	ug/l	77
68) m/p-Xylenes	11.62	106	1326	0.213	ug/l	99
71) Bromoform	12.41	173	1297	0.411	ug/l #	1
73) Isopropylbenzene	12.25	105	1283	Below Cal	#	73
75) 1,1,2,2-Tetrachloroethane	12.51	83	329	Below Cal	#	56
76) 1,2,3-Trichloropropane	12.40	75	91013	25.280	ug/l #	100
79) 2-Chlorotoluene	12.68	91	1234	Below Cal		81
80) 1,3,5-Trimethylbenzene	12.73	105	1533	Below Cal		84
81) trans-1,4-Dichloro-2-buten	12.40	75	91013	64.983	ug/l #	17
83) tert-Butylbenzene	12.99	119	1073	Below Cal	#	78
84) 1,2,4-Trimethylbenzene	13.04	105	1799	Below Cal		88
85) sec-Butylbenzene	13.17	105	2156	Below Cal		88
86) p-Isopropyltoluene	13.29	119	2142	Below Cal		91
87) 1,3-Dichlorobenzene	13.29	146	1341	0.224	ug/l	99
88) 1,4-Dichlorobenzene	13.29	146	1341	0.234	ug/l	99
89) n-Butylbenzene	13.62	91	2962	0.306	ug/l	93
91) 1,2-Dichlorobenzene	13.65	146	1315	0.220	ug/l	84
93) 1,2,4-Trichlorobenzene	14.91	180	1858	0.611	ug/l	97
94) Hexachlorobutadiene	15.01	225	1106	Below Cal		85
95) Naphthalene	15.13	128	8866	2.696	ug/l	97
96) 1,2,3-Trichlorobenzene	15.32	180	2139	0.673	ug/l	91

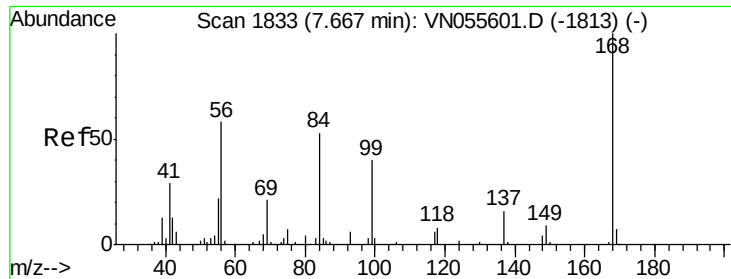
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri May 17 23:54:12 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN055616.D

Acq: 17 May 2019 17:33

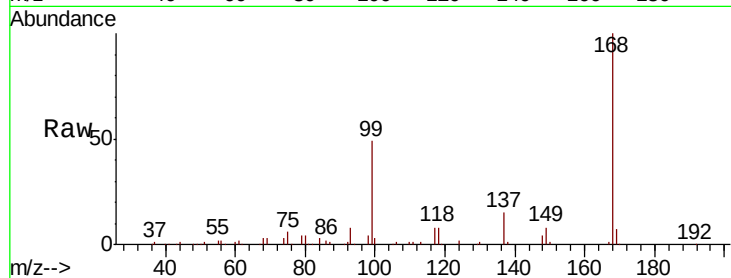
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 397765

Ion Ratio Lower Upper

168 100

99 48.8 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

150000

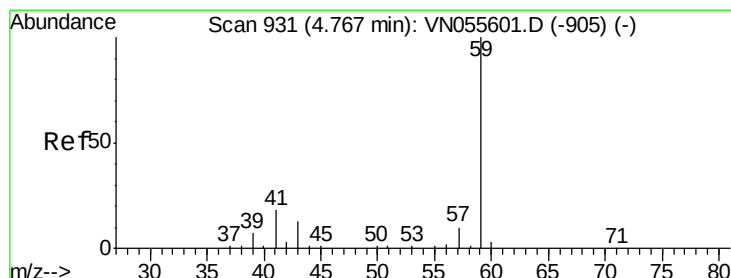
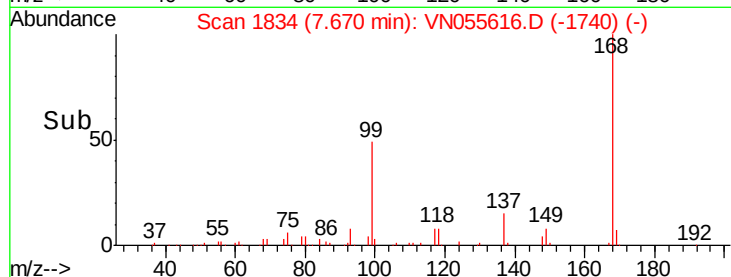
100000

50000

0

Time-->

7.60 7.70 7.80



#11

Tert butyl alcohol

Concen: 0.289 ug/l

RT: 4.78 min Scan# 934

Delta R.T. 0.01 min

Lab File: VN055616.D

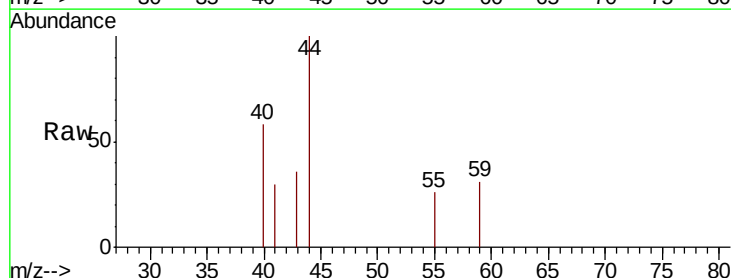
Acq: 17 May 2019 17:33

Tgt Ion: 59 Resp: 235

Ion Ratio Lower Upper

59 100

57 12.8 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

4.78

200

150

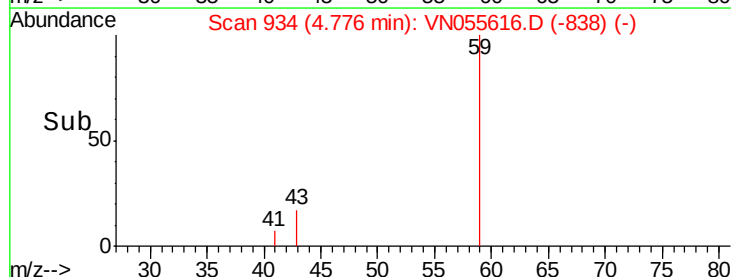
100

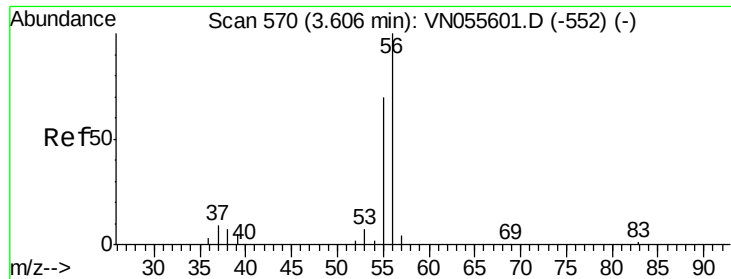
50

0

Time-->

4.76 4.78 4.80

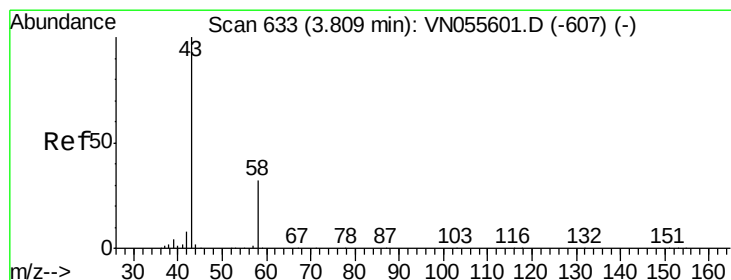
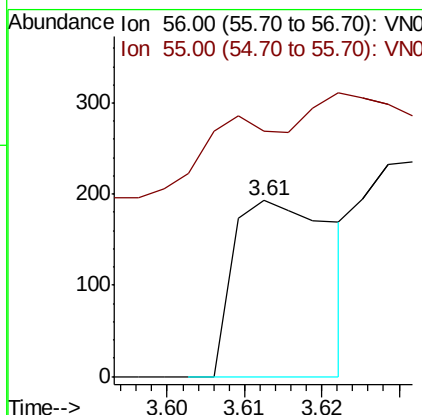
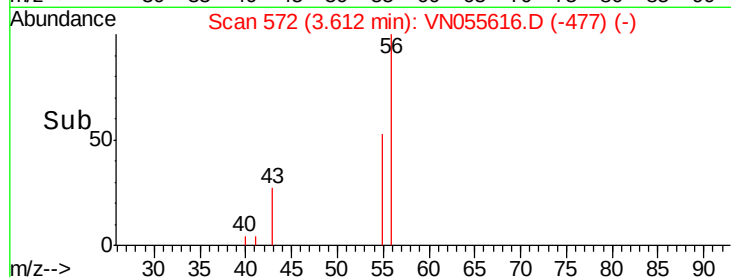
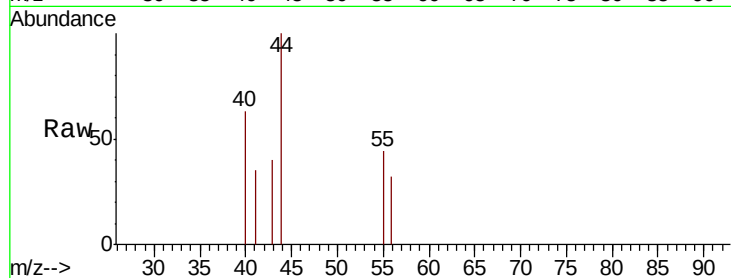




#13
Acrolein
Concen: 1.772 ug/l
RT: 3.61 min Scan# 572
Delta R.T. 0.01 min
Lab File: VN055616.D
Acq: 17 May 2019 17:33

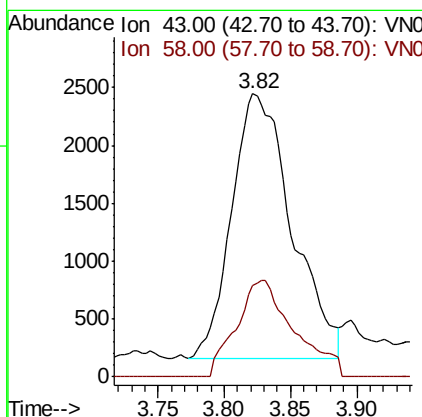
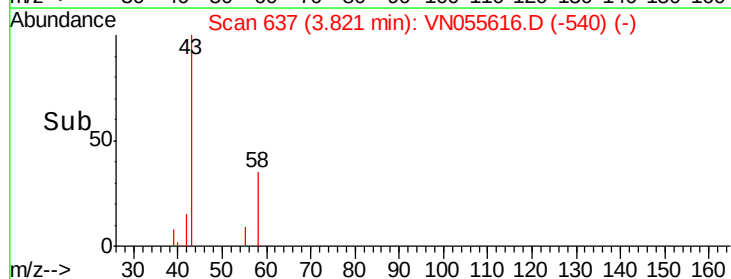
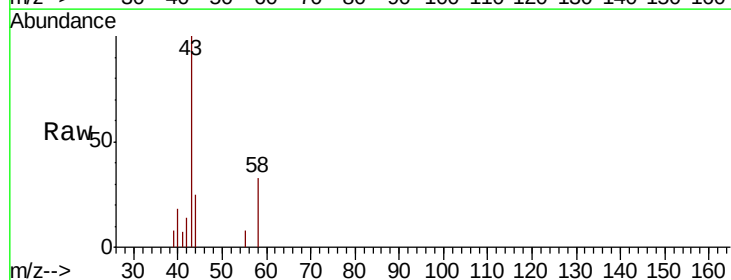
Instrument :
MSVOA_N
ClientSampled :

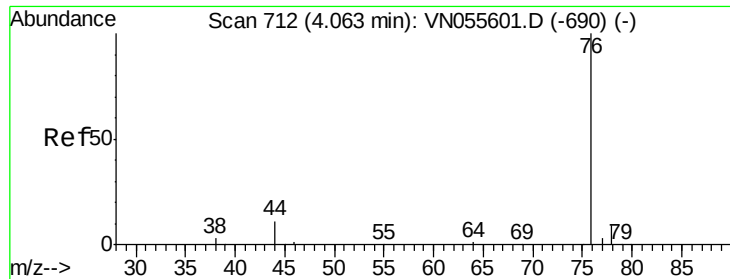
Tot Ion: 56 Resp: 171
Ion Ratio Lower Upper
56 100
55 32.2 56.5 84.7#



#16
Acetone
Concen: 4.069 ug/l
RT: 3.82 min Scan# 637
Delta R.T. 0.01 min
Lab File: VN055616.D
Acq: 17 May 2019 17:33

Tgt Ion: 43 Resp: 7241
Ion Ratio Lower Upper
43 100
58 34.7 26.0 39.0





#17

Carbon Disulfide

Concen: 0.330 ug/l

RT: 4.06 min Scan# 711

Delta R.T. -0.00 min

Lab File: VN055616.D

Acq: 17 May 2019 17:33

Instrument :

MSVOA_N

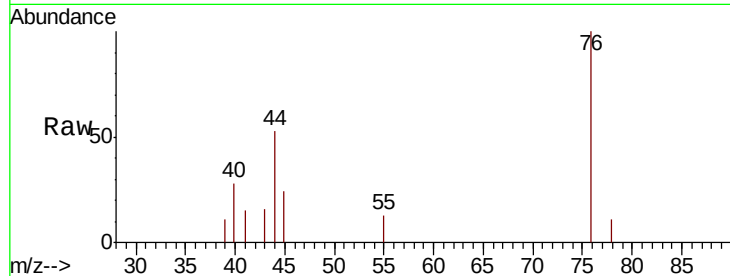
ClientSampleId :

Tot Ion: 76 Resp: 3332

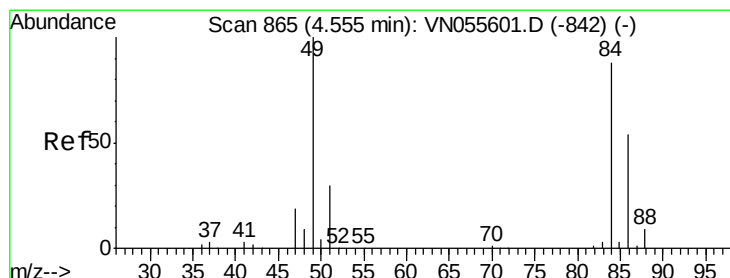
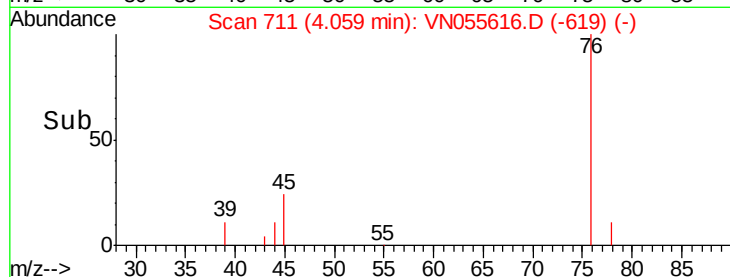
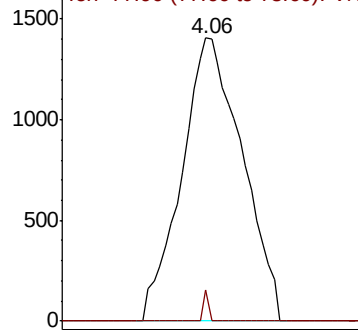
Ion Ratio Lower Upper

76 100

78 11.0 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VNO
Ion 77.90 (77.60 to 78.60): VNO



#20

Methylene Chloride

Concen: 0.698 ug/l

RT: 4.56 min Scan# 866

Delta R.T. 0.00 min

Lab File: VN055616.D

Acq: 17 May 2019 17:33

Tgt Ion: 84 Resp: 2835

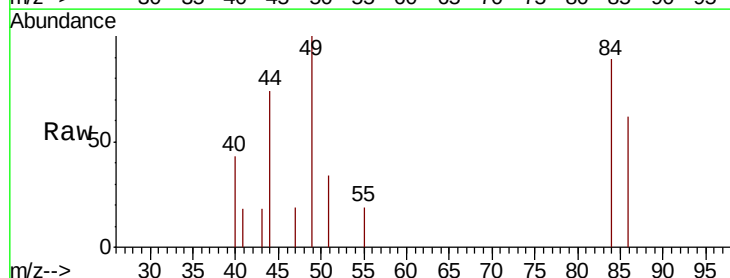
Ion Ratio Lower Upper

84 100

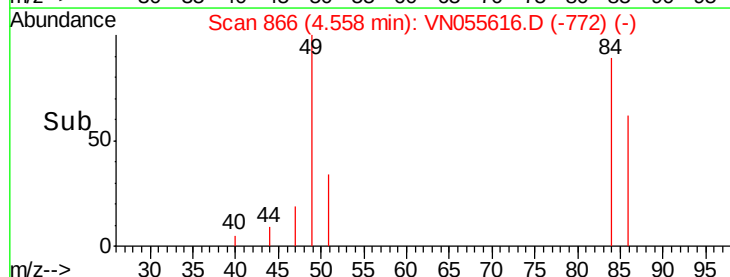
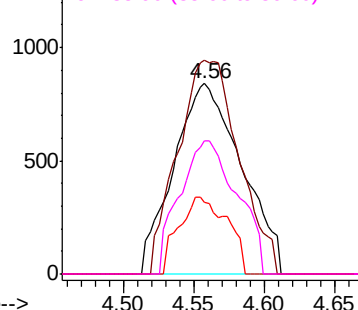
49 112.1 91.0 136.4

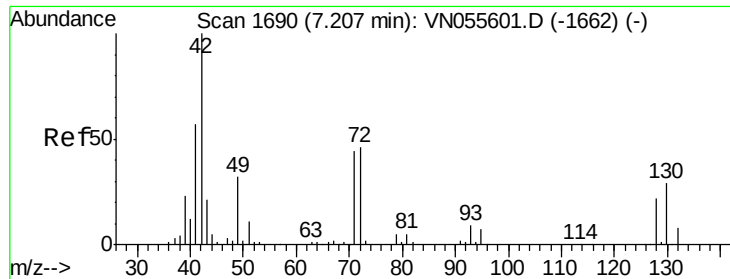
51 37.8 27.5 41.3

86 69.7 49.4 74.0



Abundance Ion 83.90 (83.60 to 84.60): VNO
Ion 48.90 (48.60 to 49.60): VNO
Ion 50.90 (50.60 to 51.60): VNO
Ion 85.90 (85.60 to 86.60): VNO

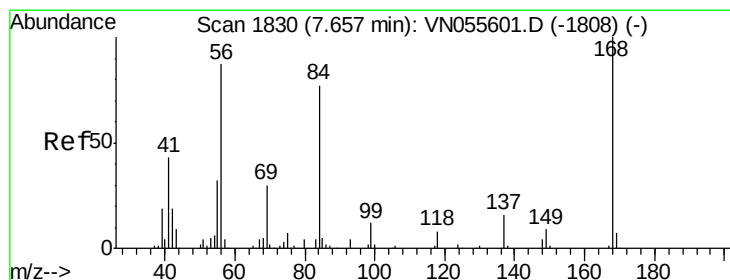
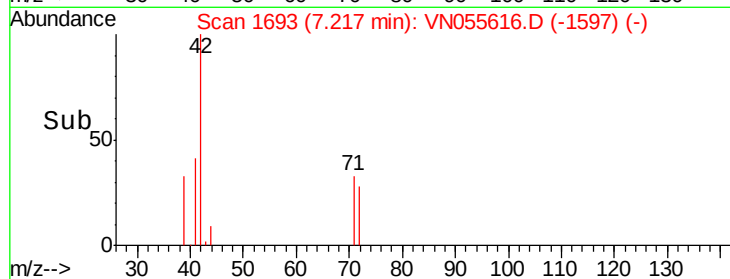
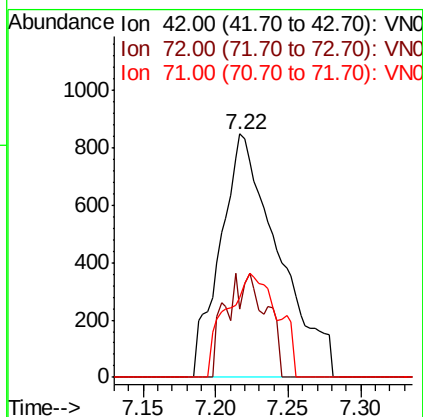
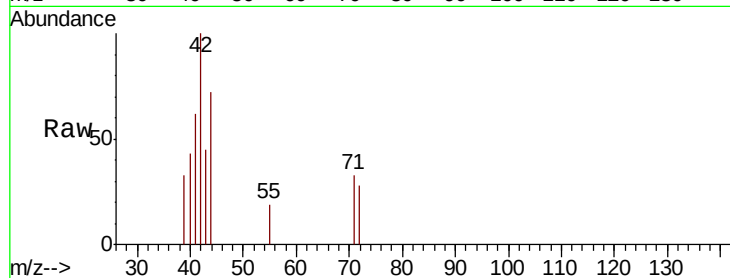




#29
Tetrahydrofuran
Concen: 1.431 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VN055616.D
Acq: 17 May 2019 17:33

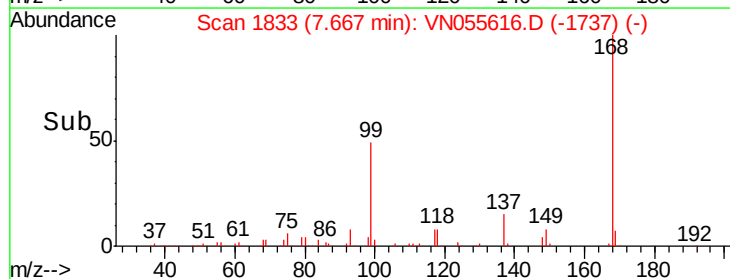
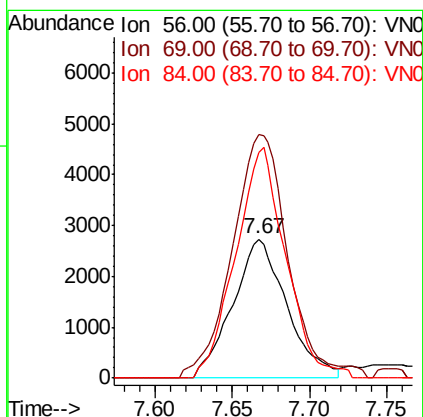
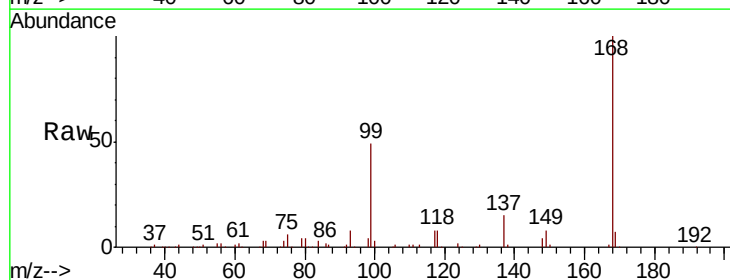
Instrument :
MSVOA_N
ClientSampled :

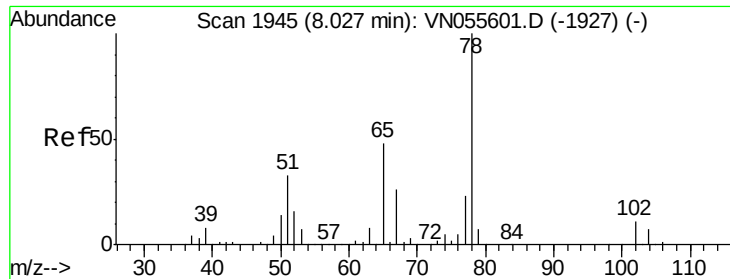
Tot Ion: 42 Resp: 2358
Ion Ratio Lower Upper
42 100
72 24.3 36.5 54.7#
71 38.0 34.9 52.3



#31
Cyclohexane
Concen: 1.030 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.01 min
Lab File: VN055616.D
Acq: 17 May 2019 17:33

Tgt Ion: 56 Resp: 6661
Ion Ratio Lower Upper
56 100
69 167.8 27.2 40.8#
84 162.5 71.3 106.9#

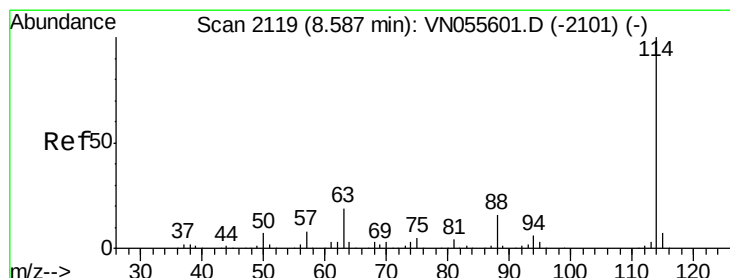
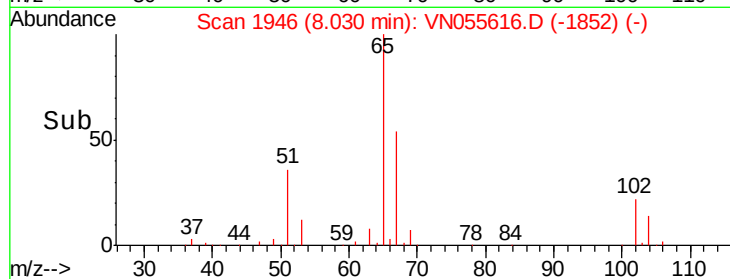
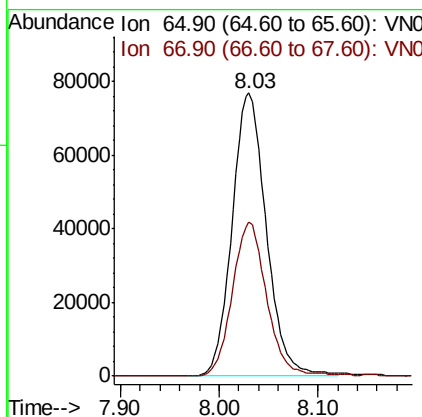
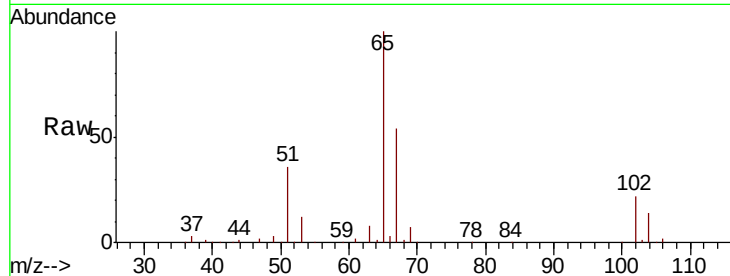




#33
 1,2-Dichloroethane-d4
 Concen: 42.540 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN055616.D
 Acq: 17 May 2019 17:33

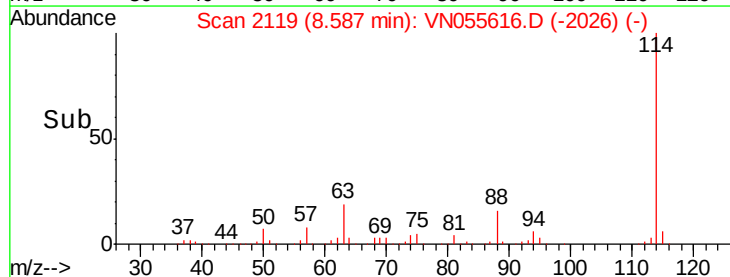
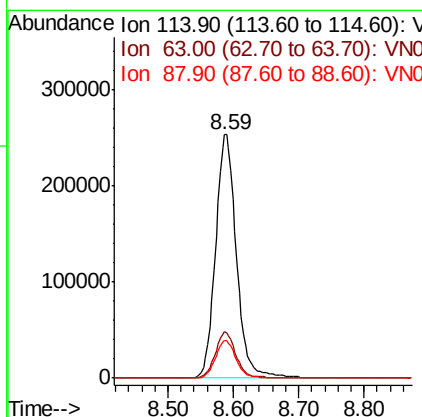
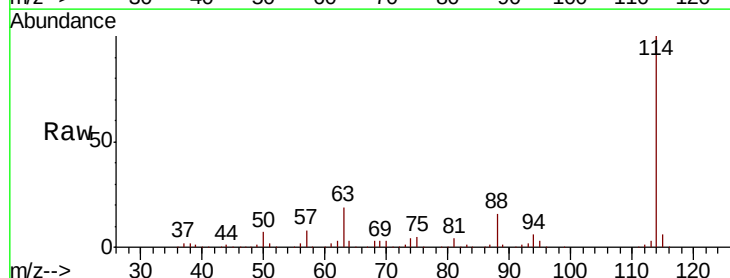
Instrument :
 MSVOA_N
 ClientSampleId :

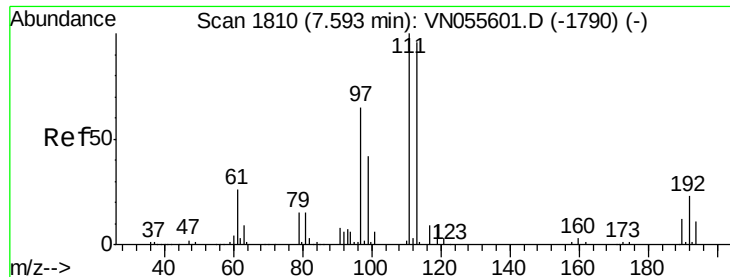
Tot Ion: 65 Resp: 185487
 Ion Ratio Lower Upper
 65 100
 67 54.7 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN055616.D
 Acq: 17 May 2019 17:33

Tgt Ion: 114 Resp: 561028
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 38.2
 88 15.6 0.0 31.0

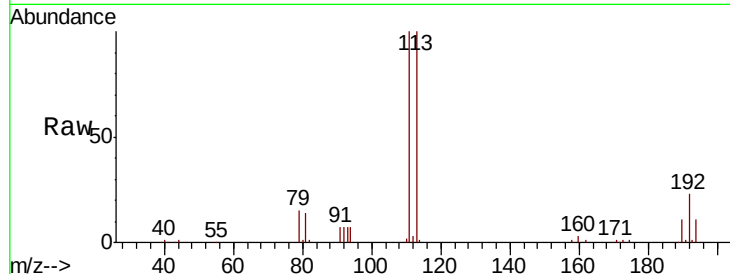




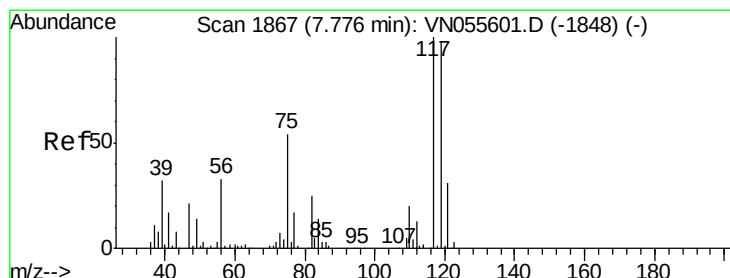
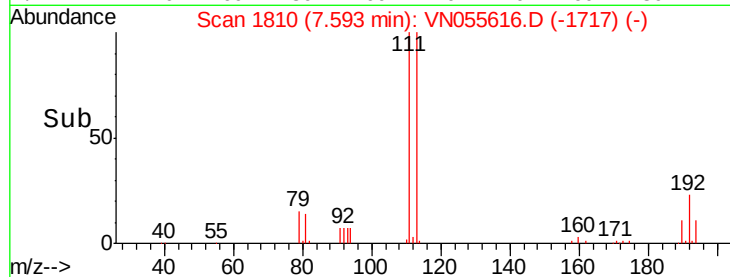
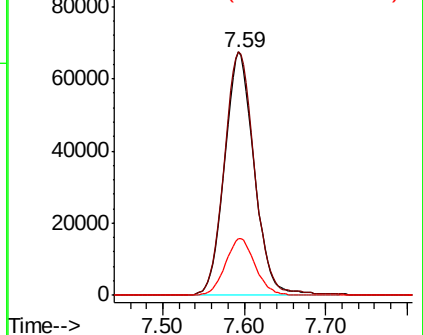
#35
 Dibromofluoromethane
 Concen: 48.208 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN055616.D
 Acq: 17 May 2019 17:33

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:113 Resp: 171810
 Ion Ratio Lower Upper
 113 100
 111 102.6 82.5 123.7
 192 23.5 18.7 28.1

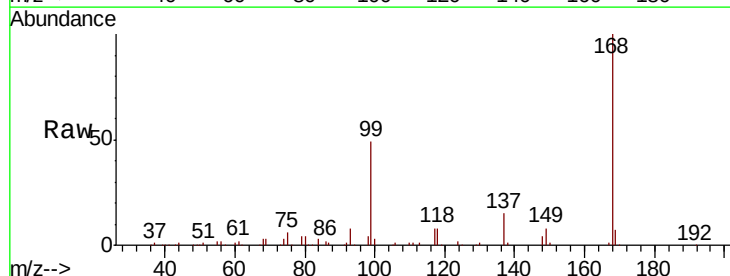


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

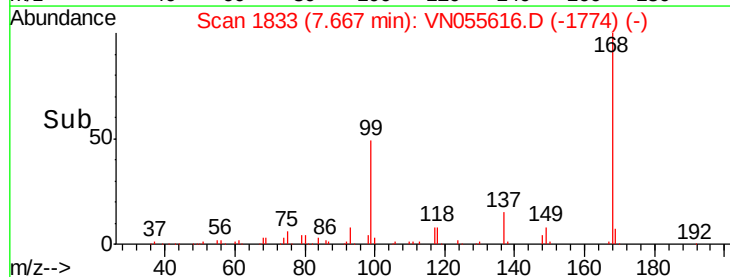
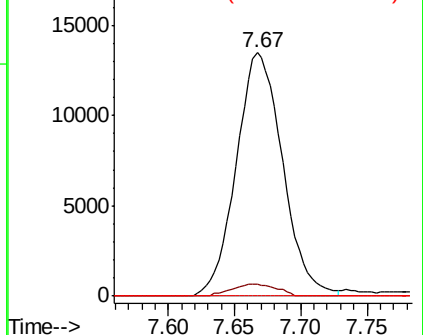


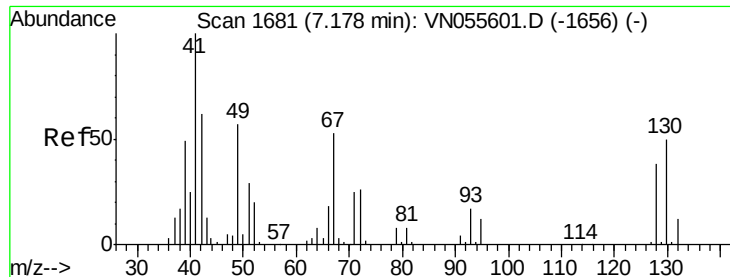
#38
 Carbon Tetrachloride
 Concen: 6.140 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN055616.D
 Acq: 17 May 2019 17:33

Tgt Ion:117 Resp: 32818
 Ion Ratio Lower Upper
 117 100
 119 4.7 77.8 116.8#
 121 0.0 24.6 37.0#



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

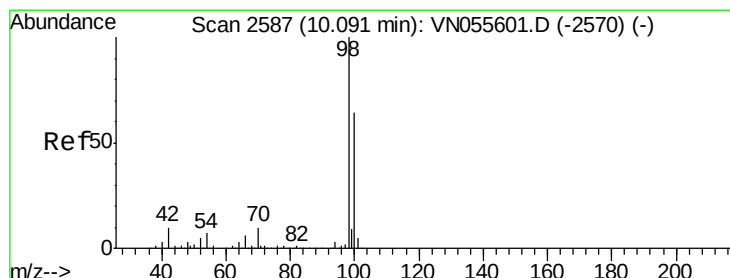
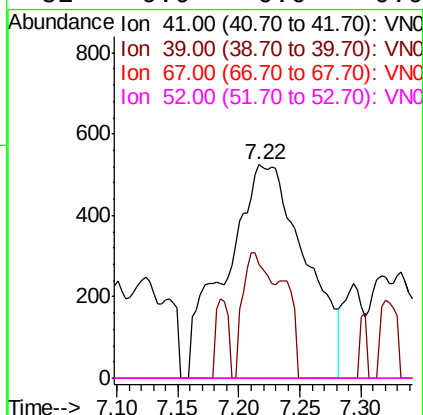
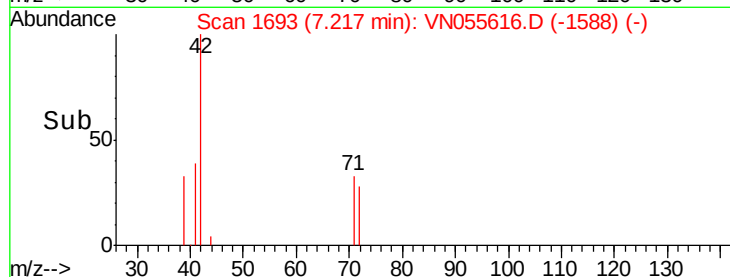
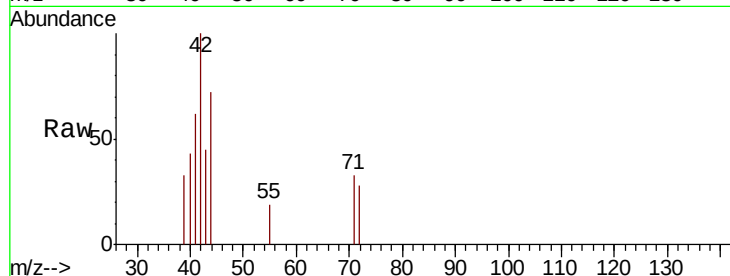




#41
Methacrylonitrile
Concen: 1.222 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.04 min
Lab File: VN055616.D
Acq: 17 May 2019 17:33

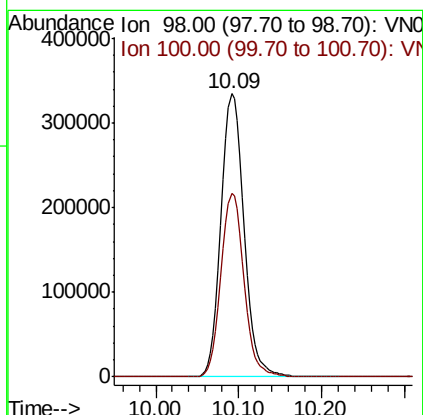
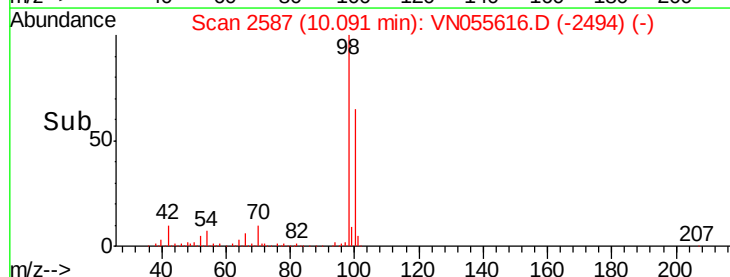
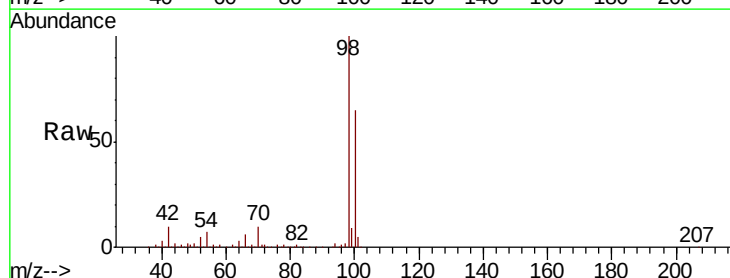
Instrument :
MSVOA_N
ClientSampleId :

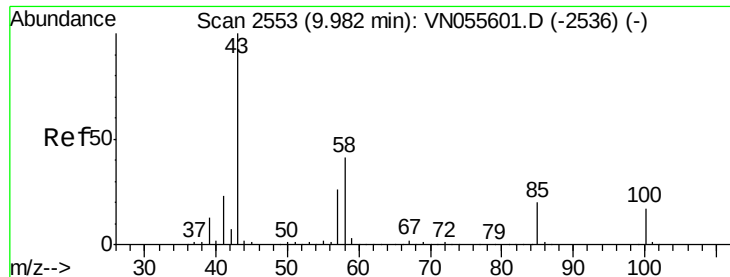
Tot Ion:	41	Resp:	2358
Ion	Ratio	Lower	Upper
41	100		
39	20.6	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#50
Toluene-d8
Concen: 47.775 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN055616.D
Acq: 17 May 2019 17:33

Tgt Ion:	98	Resp:	643797
Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 0.432 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055616.D

Acq: 17 May 2019 17:33

Instrument :

MSVOA_N

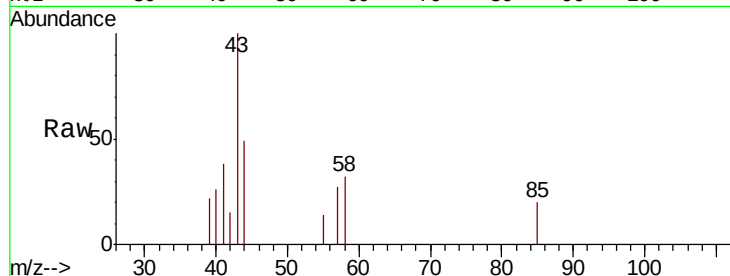
ClientSampled :

Tot Ion: 43 Resp: 1988

Ion Ratio Lower Upper

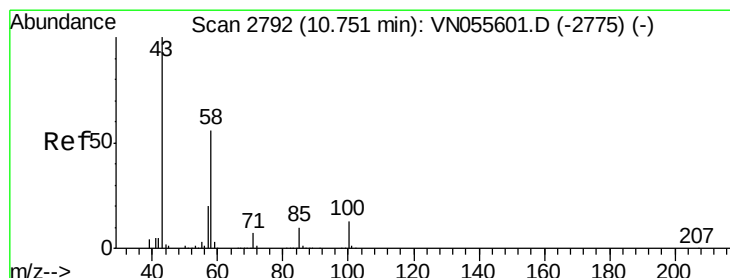
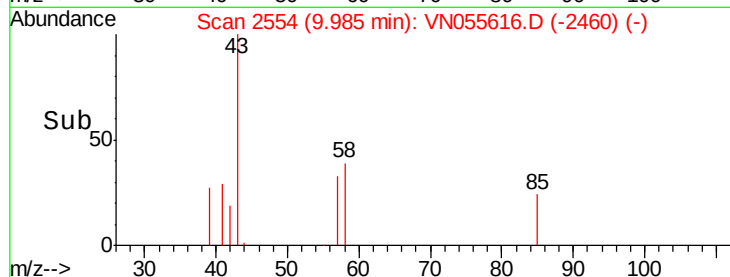
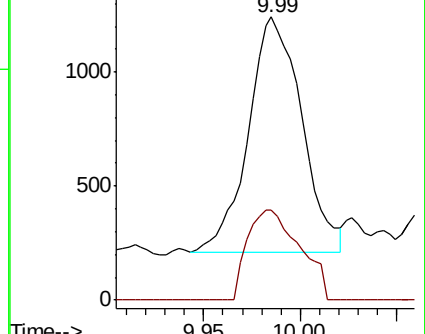
43 100

58 37.4 32.7 49.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#59

2-Hexanone

Concen: 0.415 ug/l

RT: 10.76 min Scan# 2795

Delta R.T. 0.01 min

Lab File: VN055616.D

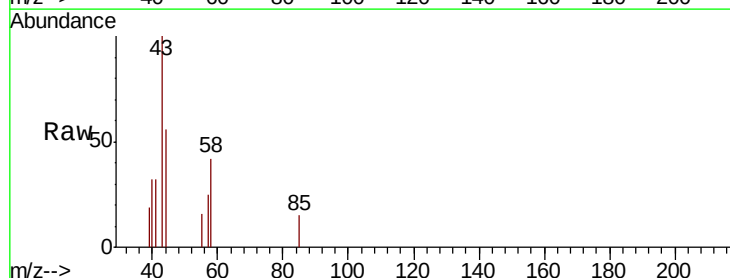
Acq: 17 May 2019 17:33

Tgt Ion: 43 Resp: 1345

Ion Ratio Lower Upper

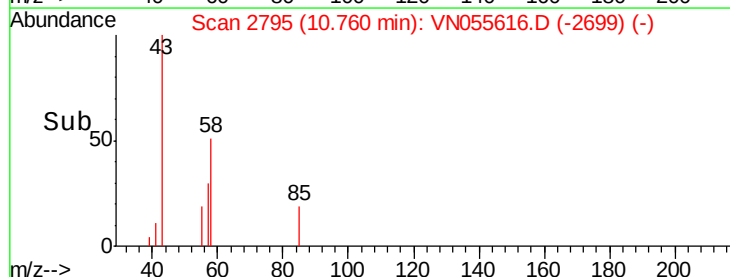
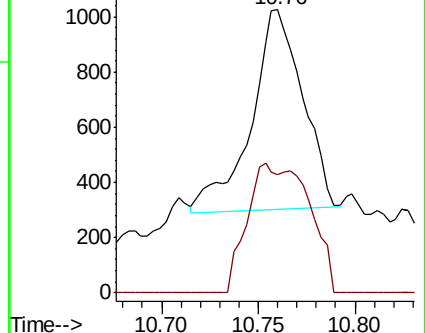
43 100

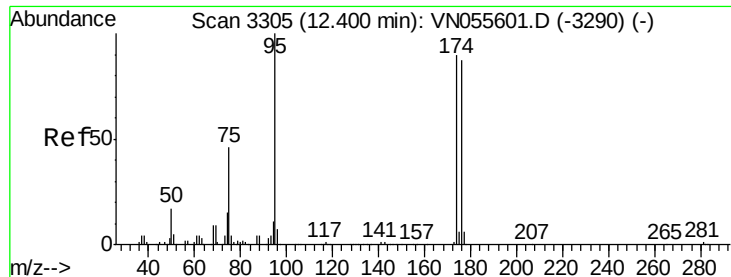
58 39.2 28.1 84.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#62

4-Bromofluorobenzene

Concen: 42.707 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN055616.D

Acq: 17 May 2019 17:33

Instrument :

MSVOA_N

ClientSampled :

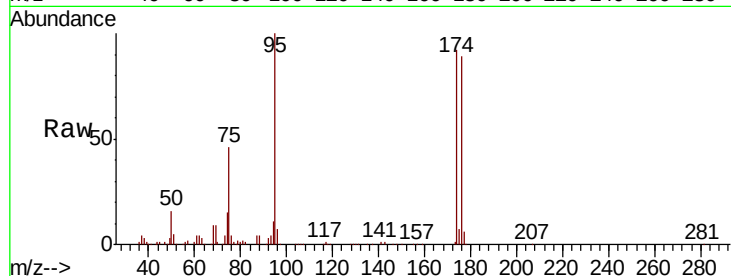
Tot Ion: 95 Resp: 198730

Ion Ratio Lower Upper

95 100

174 91.3 0.0 180.6

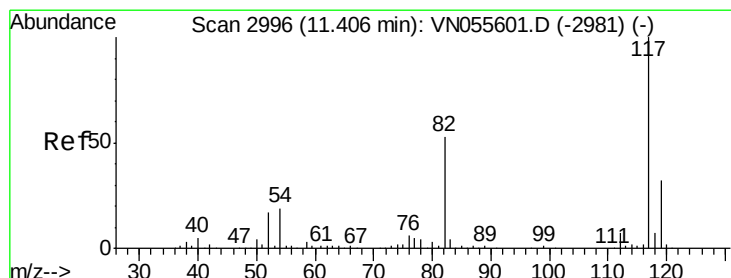
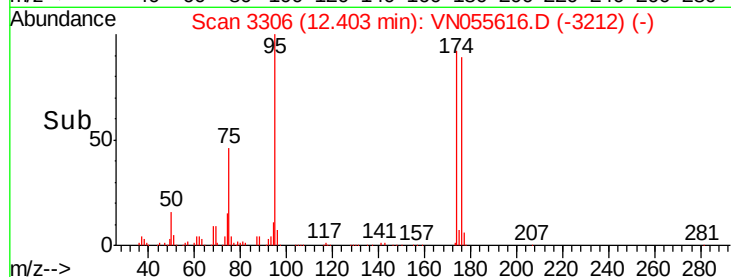
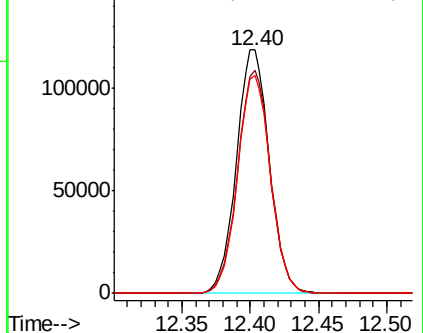
176 89.2 0.0 177.4



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN055616.D

Acq: 17 May 2019 17:33

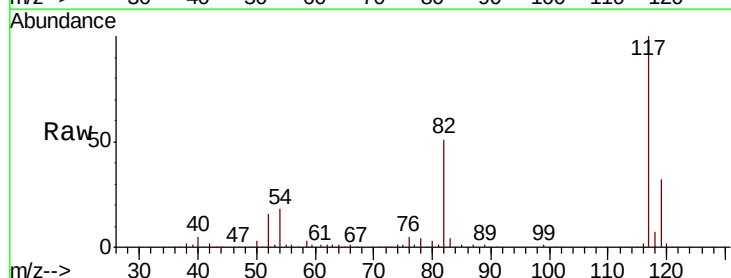
Tgt Ion: 117 Resp: 458131

Ion Ratio Lower Upper

117 100

82 51.4 42.3 63.5

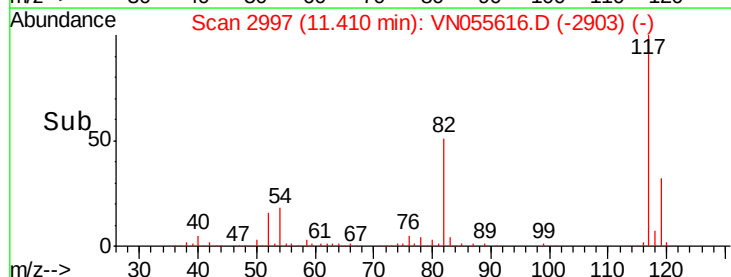
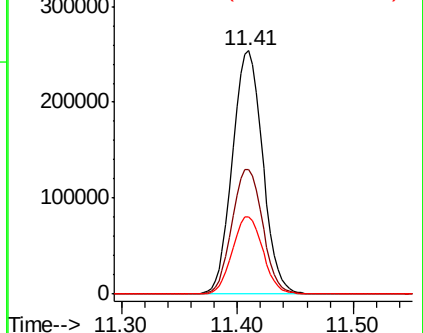
119 31.7 25.4 38.2

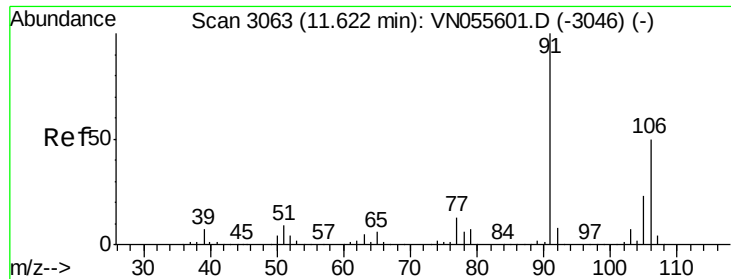


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0





#68

m/p-Xvlenes

Concen: 0.213 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN055616.D

Acq: 17 May 2019 17:33

Instrument :

MSVOA_N

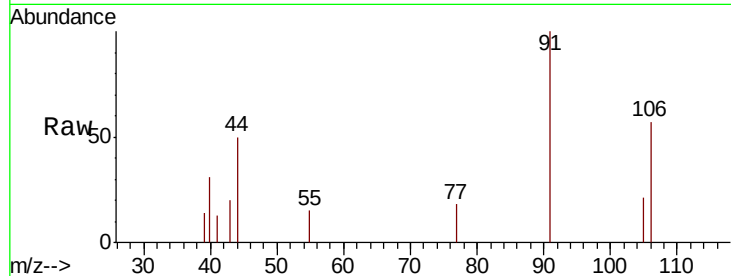
ClientSampleId :

Tot Ion:106 Resp: 1326

Ion Ratio Lower Upper

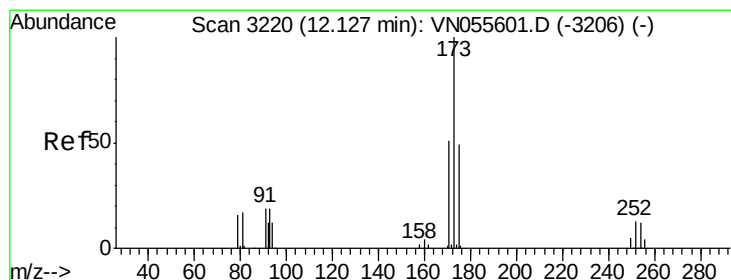
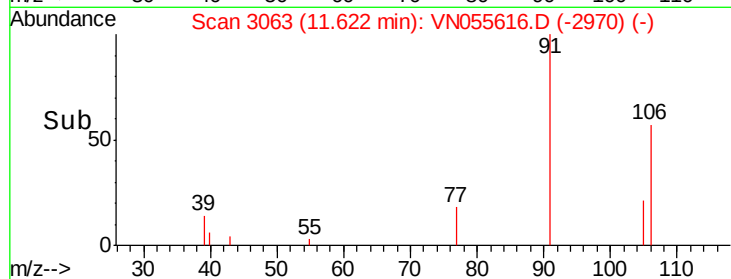
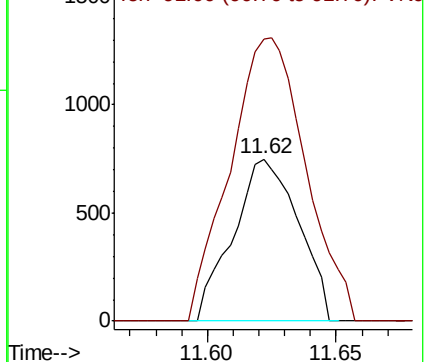
106 100

91 202.0 160.5 240.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#71

Bromoform

Concen: 0.411 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.28 min

Lab File: VN055616.D

Acq: 17 May 2019 17:33

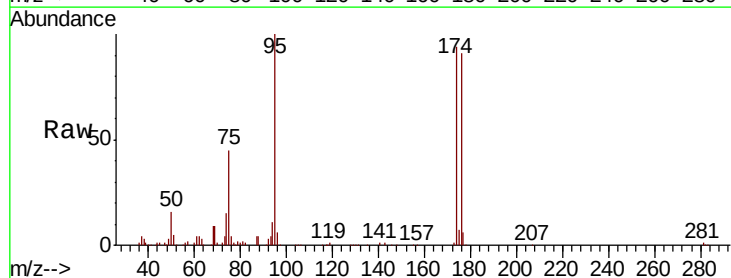
Tgt Ion:173 Resp: 1297

Ion Ratio Lower Upper

173 100

175 870.8 24.3 72.9#

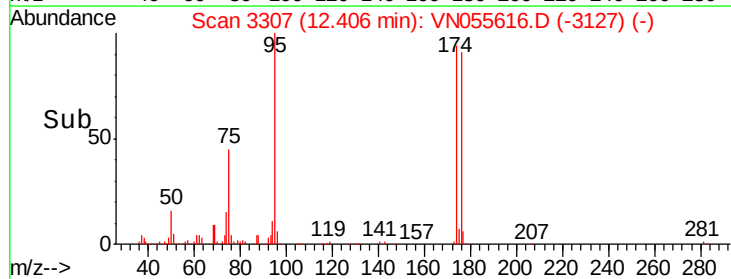
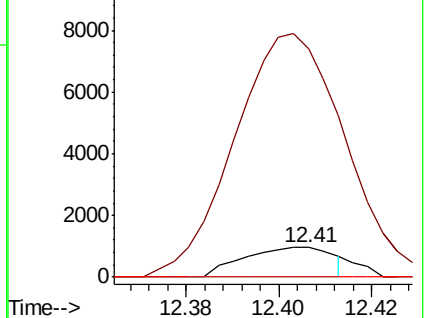
254 0.0 0.1 0.1#

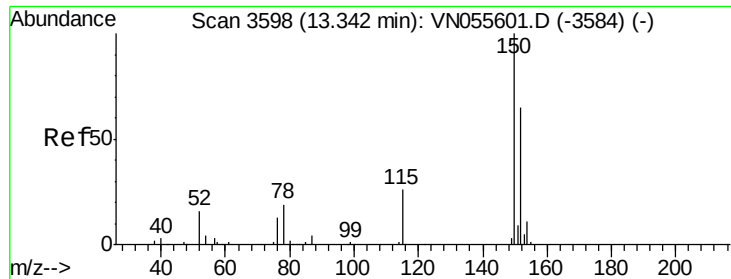


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V

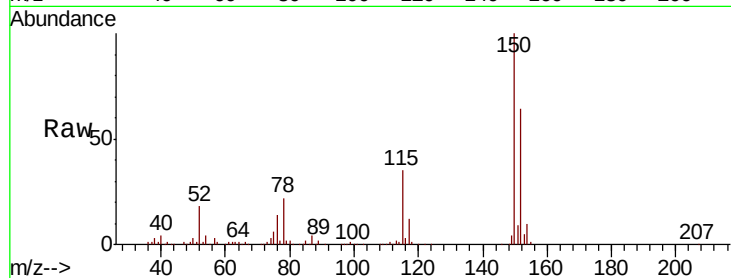




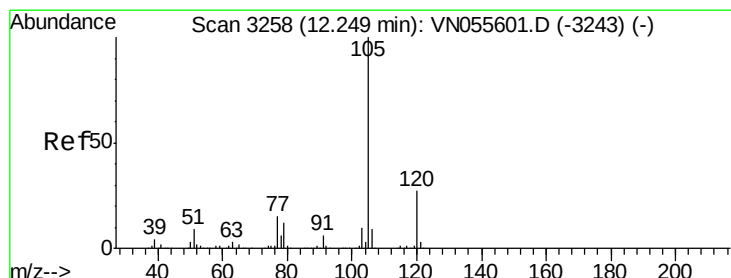
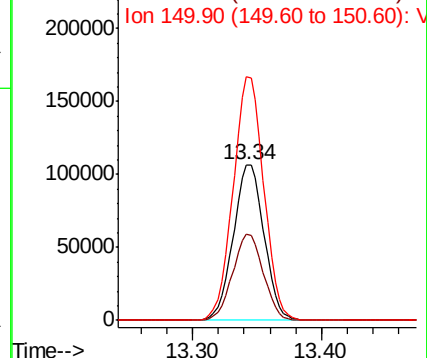
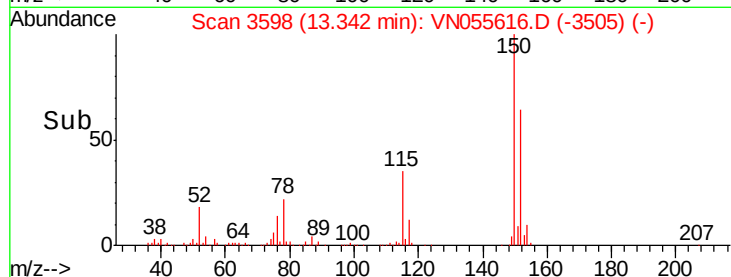
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.34 min Scan# 3598
 Delta R.T. -0.00 min
 Lab File: VN055616.D
 Acq: 17 May 2019 17:33

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:152 Resp: 176438
 Ion Ratio Lower Upper
 152 100
 115 55.2 28.1 84.2
 150 155.7 0.0 348.0

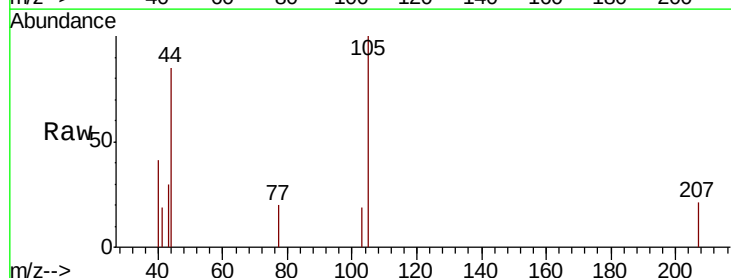


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

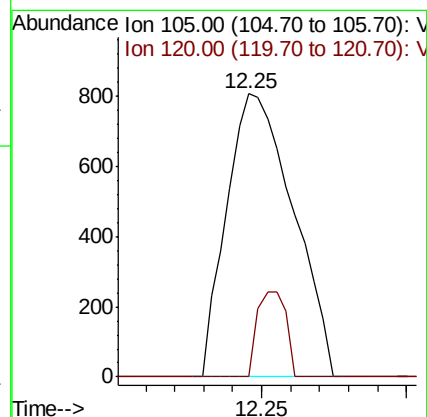
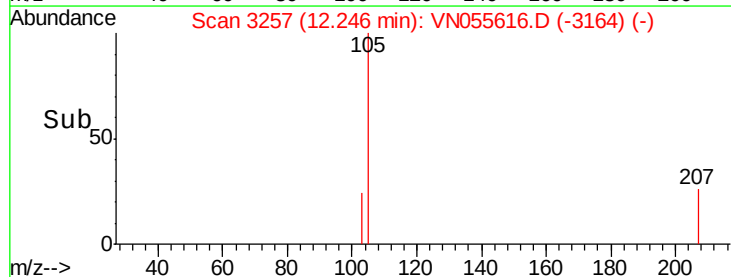


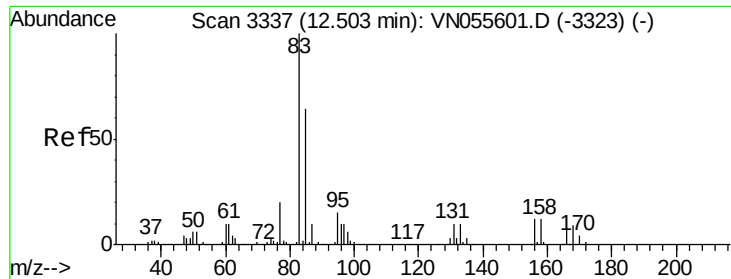
#73
 Isopropylbenzene
 Concen: Below Cal
 RT: 12.25 min Scan# 3257
 Delta R.T. -0.00 min
 Lab File: VN055616.D
 Acq: 17 May 2019 17:33

Tgt Ion:105 Resp: 1283
 Ion Ratio Lower Upper
 105 100
 120 13.0 13.4 40.2#



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: 12.51 min Scan# 3339

Delta R.T. 0.01 min

Lab File: VN055616.D

Acq: 17 May 2019 17:33

Instrument :

MSVOA_N

ClientSampleId :

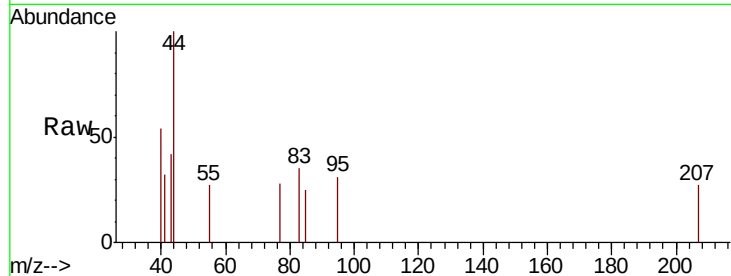
Tot Ion: 83 Resp: 329

Ion Ratio Lower Upper

83 100

131 0.0 5.3 16.1#

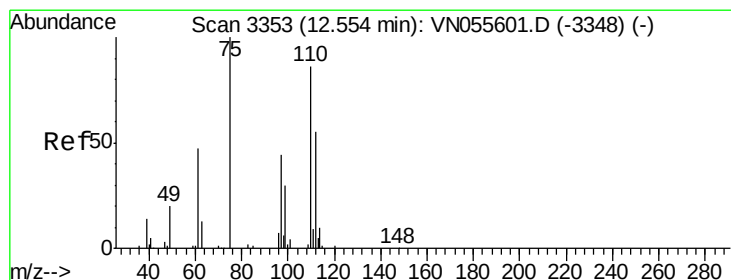
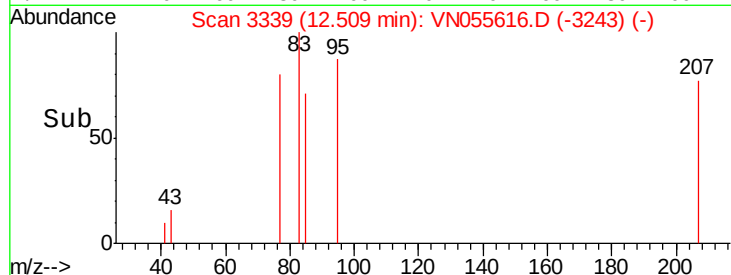
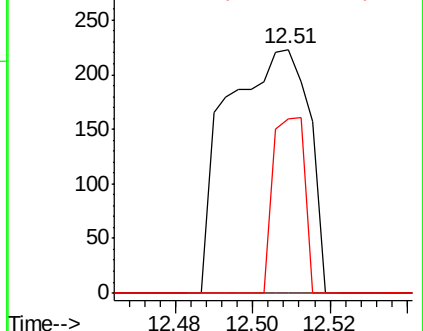
85 27.7 32.0 96.2#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 25.280 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055616.D

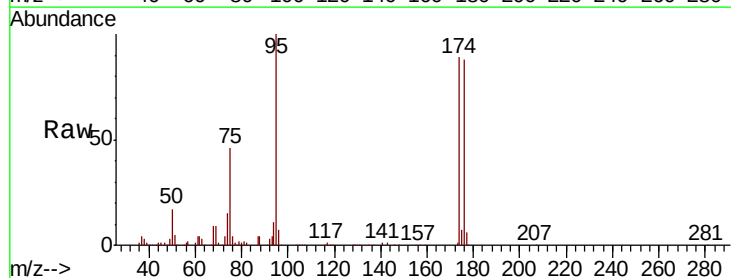
Acq: 17 May 2019 17:33

Tgt Ion: 75 Resp: 91013

Ion Ratio Lower Upper

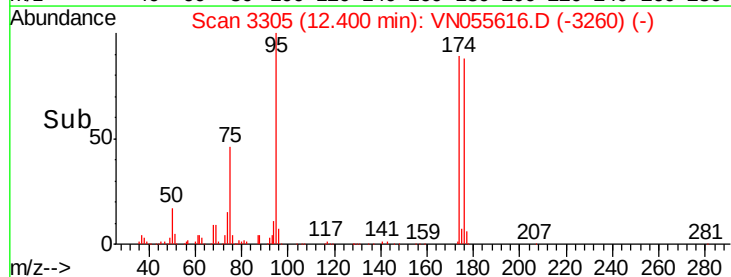
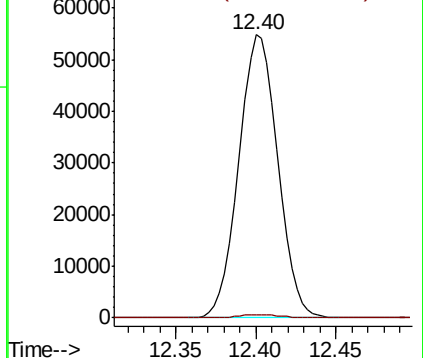
75 100

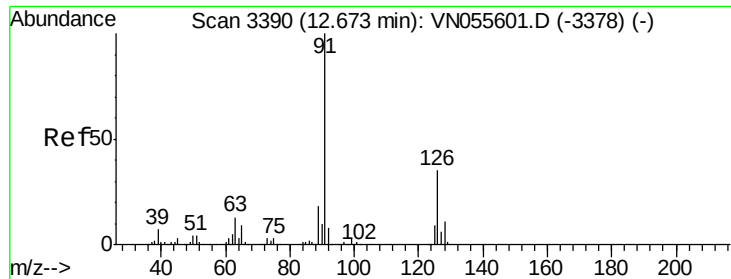
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN055616.D

Acq: 17 May 2019 17:33

Instrument :

MSVOA_N

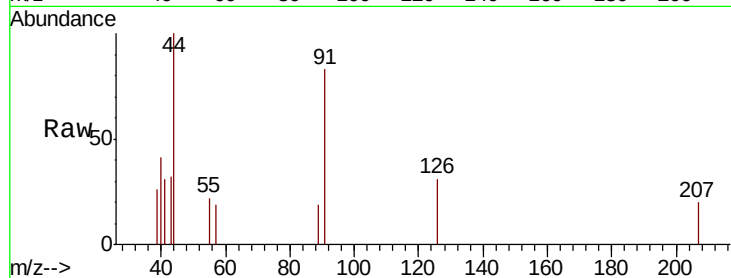
ClientSampleId :

Tot Ion: 91 Resp: 1234

Ion Ratio Lower Upper

91 100

126 24.6 17.8 53.4



Abundance Ion 91.00 (90.70 to 91.70): VN055616.D (-3391) (-)

Ion 125.90 (125.60 to 126.60): VN055616.D (-3391) (-)

12.68

600

400

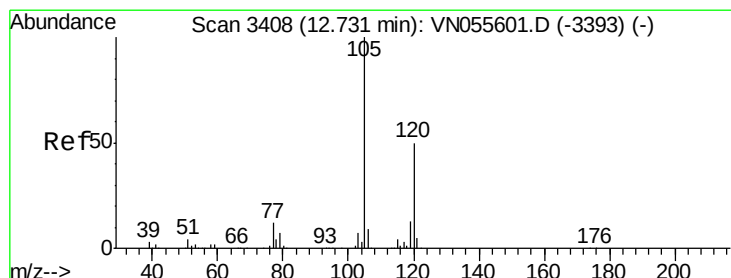
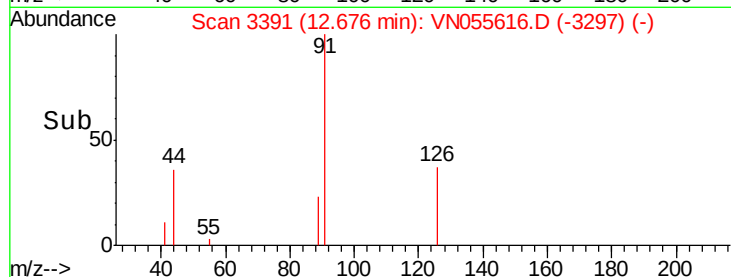
200

0

12.65

12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: Below Cal

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055616.D

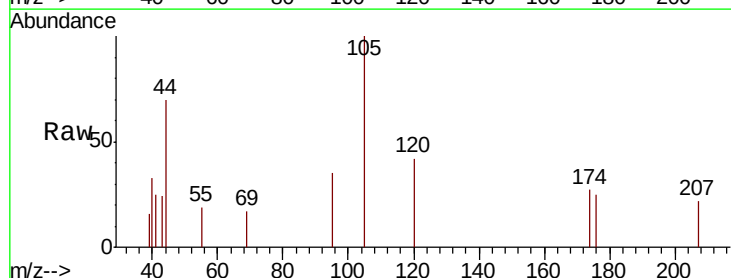
Acq: 17 May 2019 17:33

Tgt Ion: 105 Resp: 1533

Ion Ratio Lower Upper

105 100

120 38.2 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): VN055616.D (-3408) (-)

Ion 120.00 (119.70 to 120.70): VN055616.D (-3408) (-)

12.73

1000

800

600

400

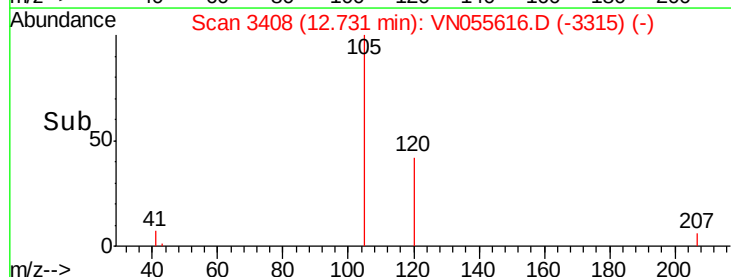
200

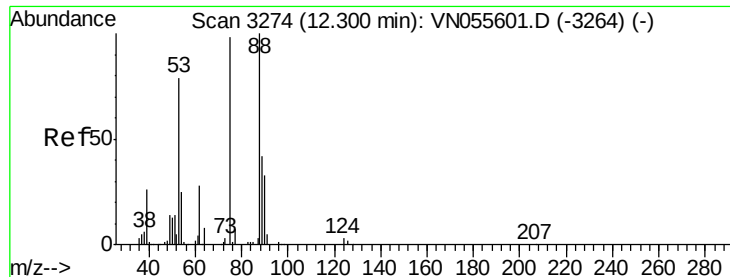
0

12.70

12.75

Time-->

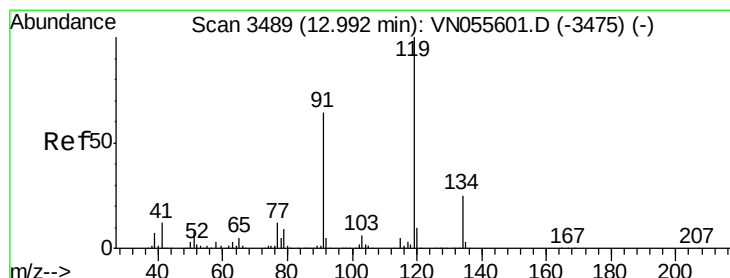
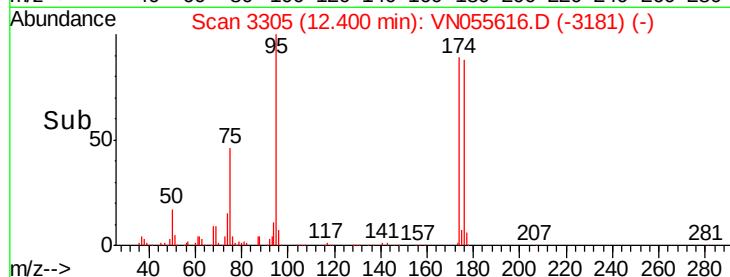
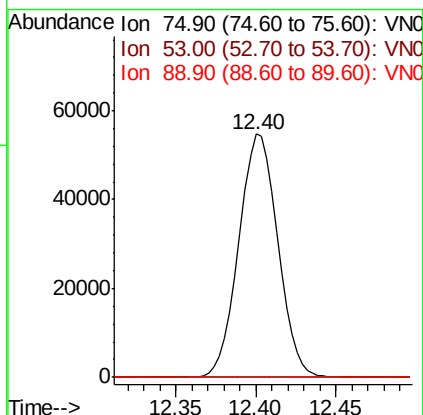
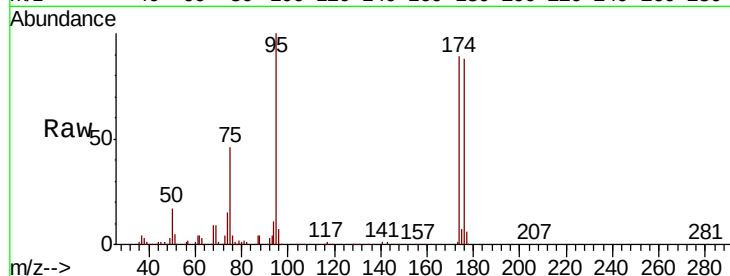




#81
 trans-1,4-Dichloro-2-butene
 Concen: 64.983 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN055616.D
 Acq: 17 May 2019 17:33

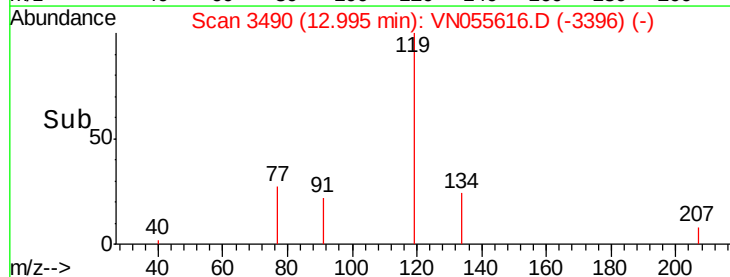
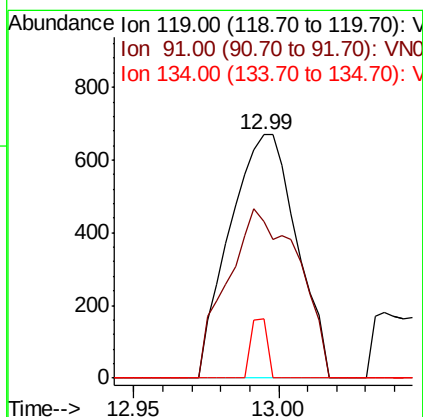
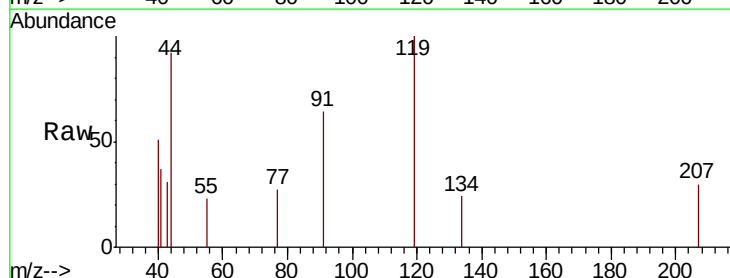
Instrument :
 MSVOA_N
 ClientSampled :

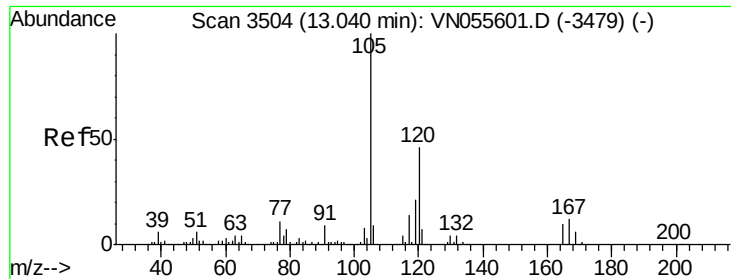
Tot Ion: 75 Resp: 91013
 Ion Ratio Lower Upper
 75 100
 53 0.0 65.1 97.7#
 89 0.0 36.4 54.6#



#83
 tert-Butylbenzene
 Concen: Below Cal
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN055616.D
 Acq: 17 May 2019 17:33

Tgt Ion: 119 Resp: 1073
 Ion Ratio Lower Upper
 119 100
 91 73.6 31.3 93.8
 134 5.8 13.2 39.6#

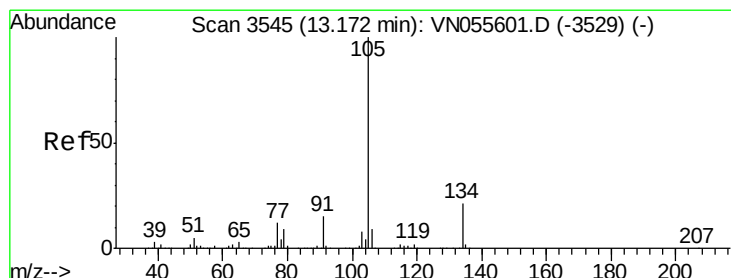
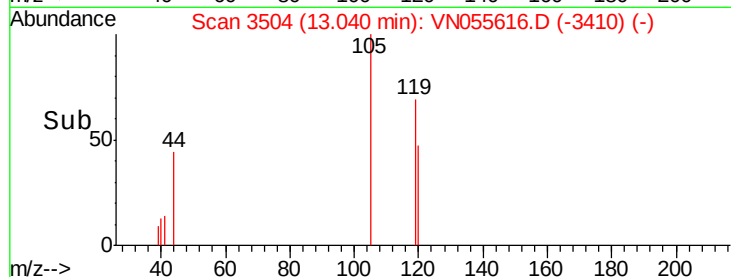
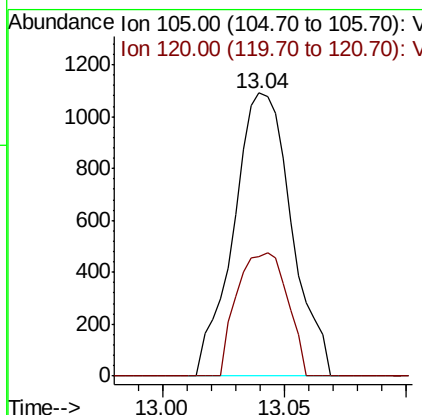
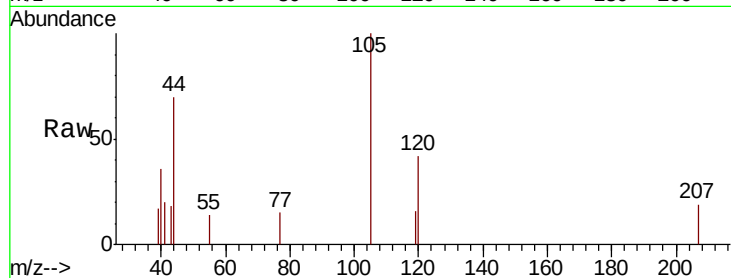




#84
 1,2,4-Trimethylbenzene
 Concen: Below Cal
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN055616.D
 Acq: 17 May 2019 17:33

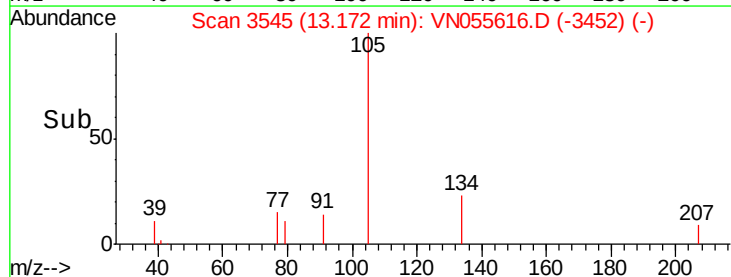
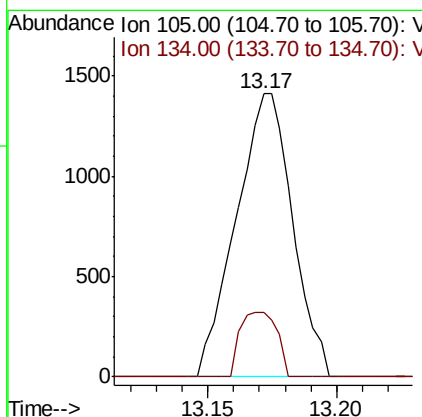
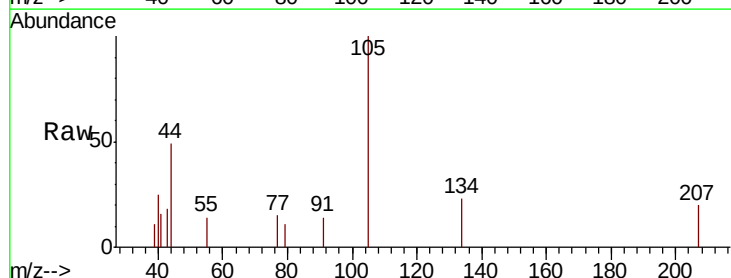
Instrument :
 MSVOA_N
 ClientSampled :

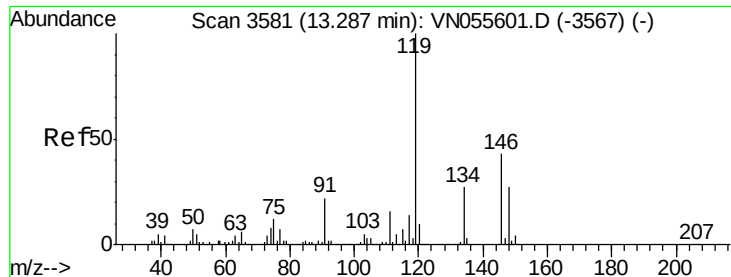
Tot Ion:105 Resp: 1799
 Ion Ratio Lower Upper
 105 100
 120 37.9 23.1 69.2



#85
 sec-Butylbenzene
 Concen: Below Cal
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN055616.D
 Acq: 17 May 2019 17:33

Tgt Ion:105 Resp: 2156
 Ion Ratio Lower Upper
 105 100
 134 15.0 10.3 30.9





#86

p-Isopropyltoluene

Concen: Below Cal

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN055616.D

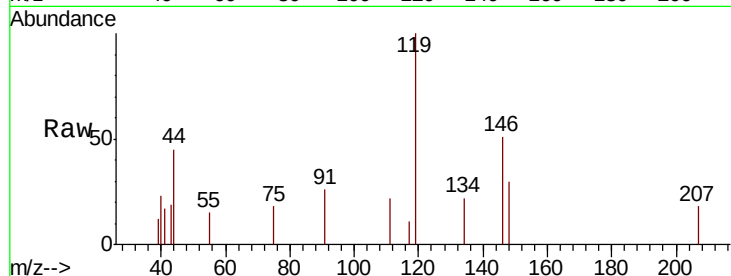
Acq: 17 May 2019 17:33

Instrument :

MSVOA_N

ClientSampleId :

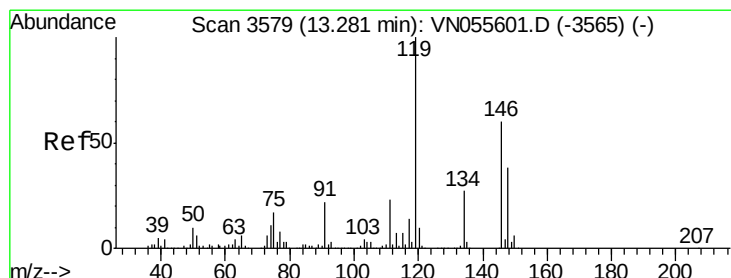
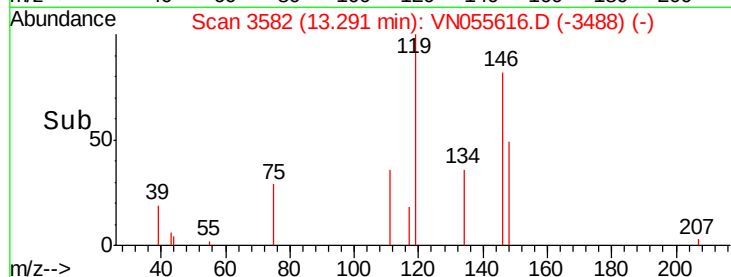
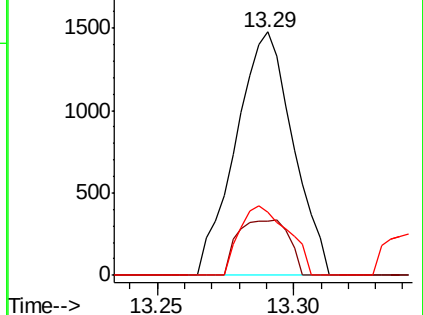
Tot Ion:	119	Resp:	2142
Ion	Ratio	Lower	Upper
119	100		
134	20.4	13.4	40.2
91	24.4	11.0	33.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



#87

1,3-Dichlorobenzene

Concen: 0.224 ug/l

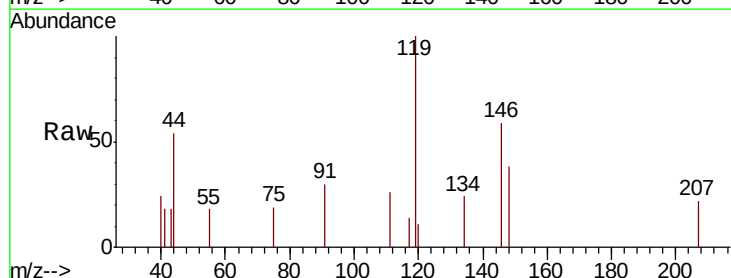
RT: 13.29 min Scan# 3581

Delta R.T. 0.01 min

Lab File: VN055616.D

Acq: 17 May 2019 17:33

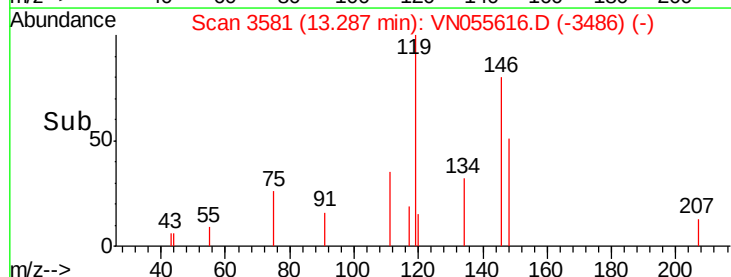
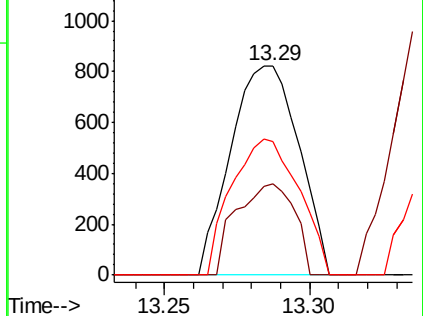
Tgt Ion:	146	Resp:	1341
Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.9	56.9
148	64.1	31.9	95.9

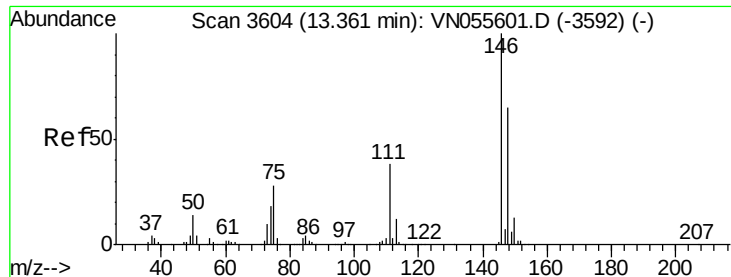


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#88

1,4-Dichlorobenzene

Concen: 0.234 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.07 min

Lab File: VN055616.D

Acq: 17 May 2019 17:33

Instrument :

MSVOA_N

ClientSampled :

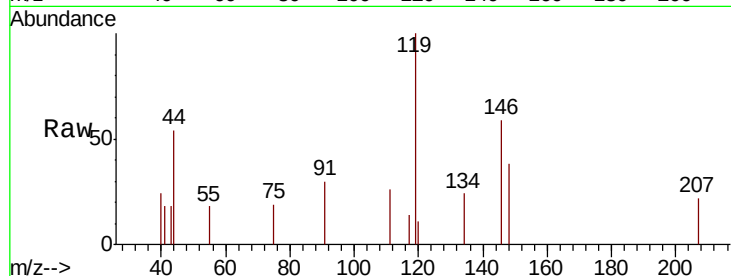
Tot Ion:146 Resp: 1341

Ion Ratio Lower Upper

146 100

111 36.9 18.8 56.4

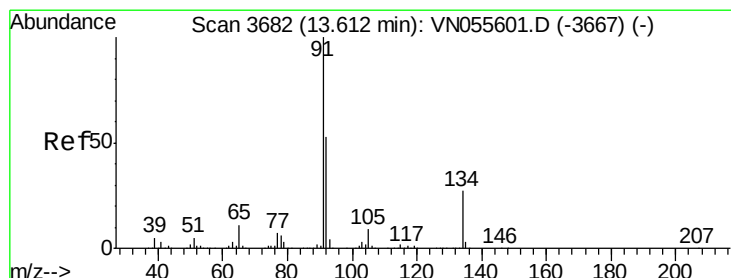
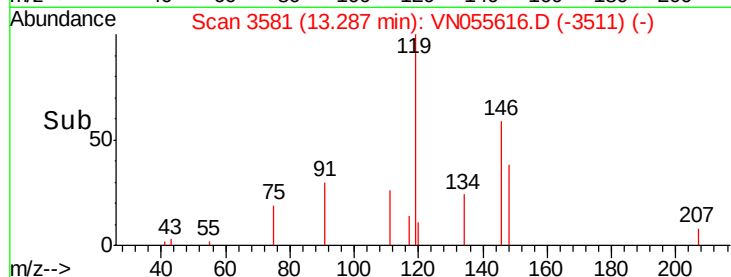
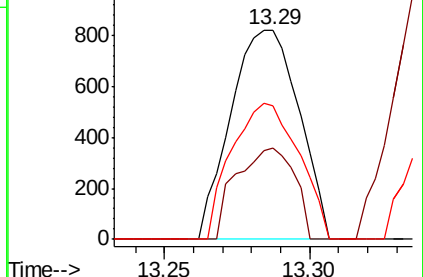
148 64.1 32.4 97.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 0.306 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN055616.D

Acq: 17 May 2019 17:33

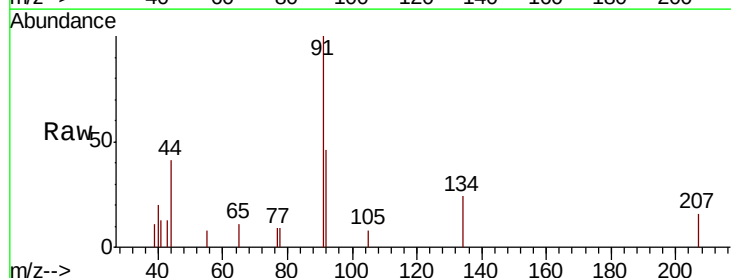
Tgt Ion: 91 Resp: 2962

Ion Ratio Lower Upper

91 100

92 47.3 26.4 79.0

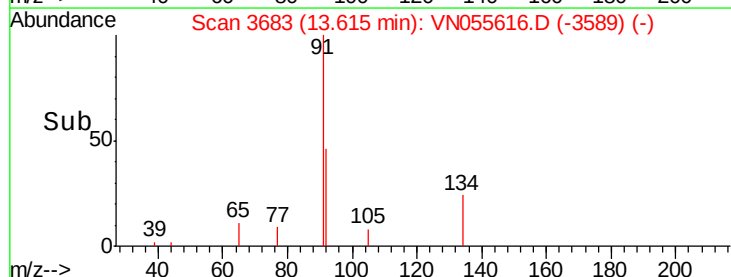
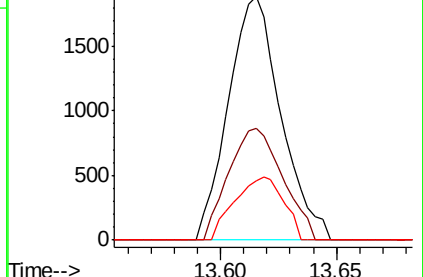
134 24.1 13.7 41.1

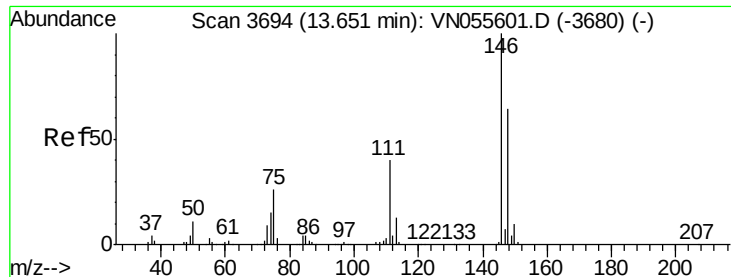


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V

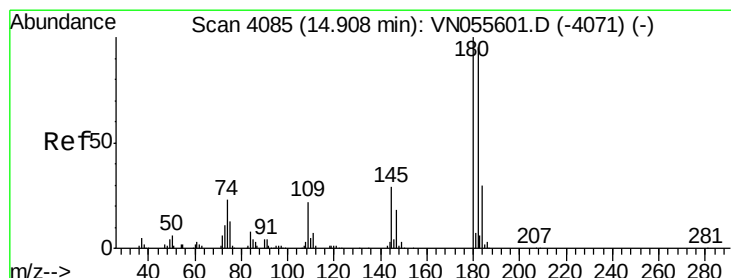
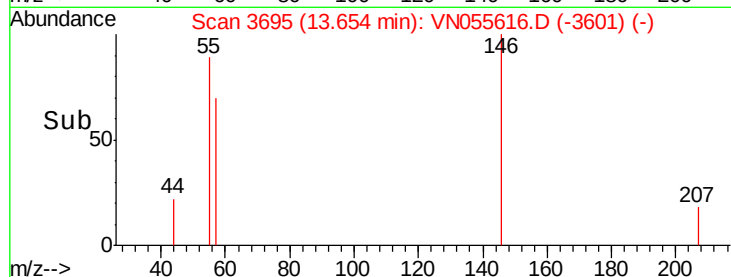
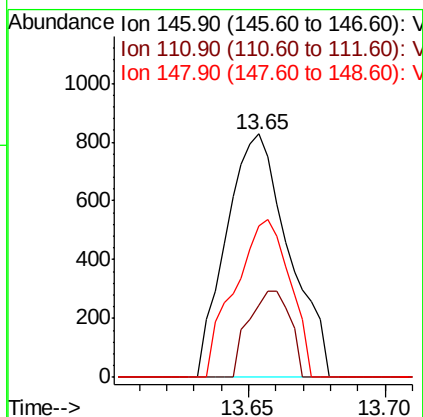
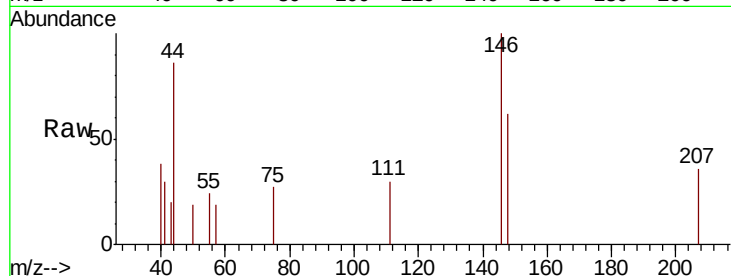




#91
 1,2-Dichlorobenzene
 Concen: 0.220 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN055616.D
 Acq: 17 May 2019 17:33

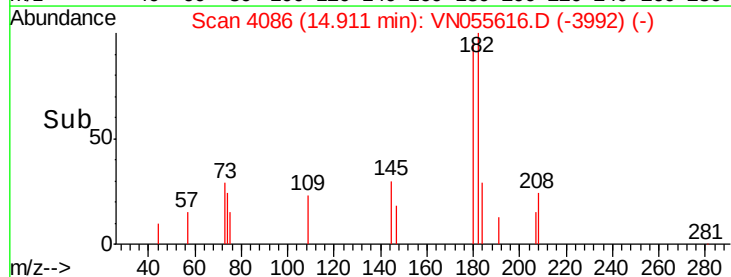
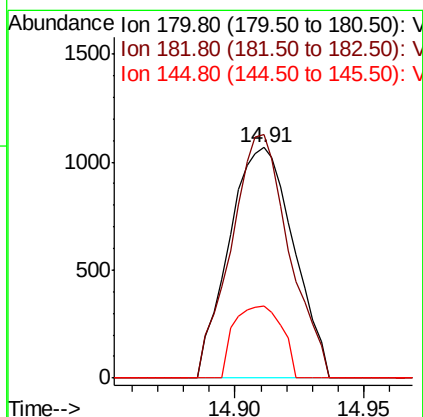
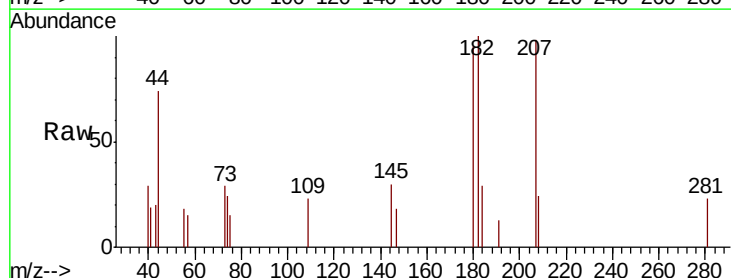
Instrument :
 MSVOA_N
 ClientSampled :

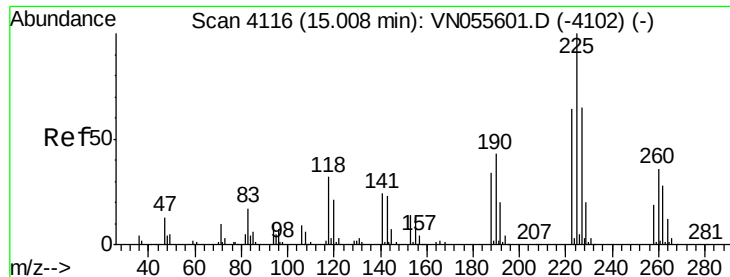
Tot Ion	Ratio	Lower	Upper
146	100		
111	23.3	19.7	59.0
148	57.0	32.1	96.3



#93
 1,2,4-Trichlorobenzene
 Concen: 0.611 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN055616.D
 Acq: 17 May 2019 17:33

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.9	143.6
145	23.2	14.3	42.9





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

Lab File: VN055616.D

Acq: 17 May 2019 17:33

Instrument :

MSVOA_N

ClientSampleId :

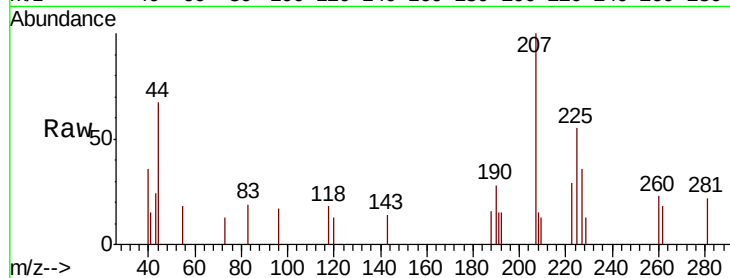
Tot Ion:225 Resp: 1106

Ion Ratio Lower Upper

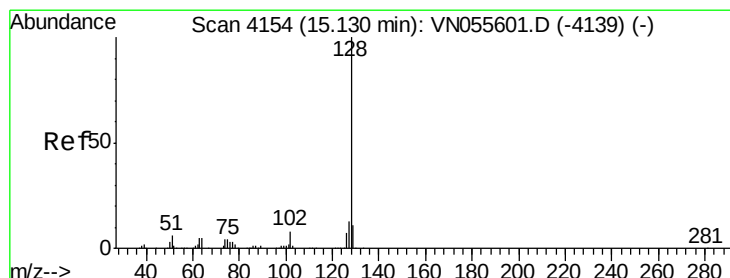
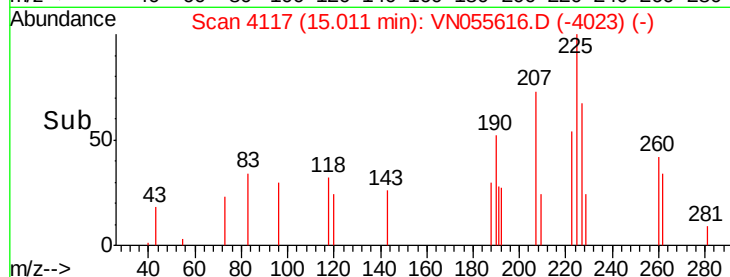
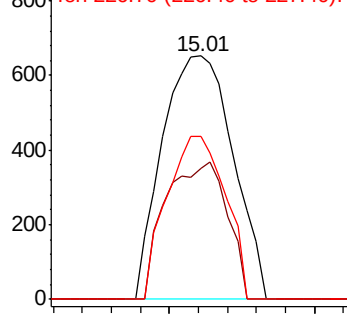
225 100

223 49.1 31.6 94.7

227 55.3 32.4 97.0



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: 2.696 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055616.D

Acq: 17 May 2019 17:33

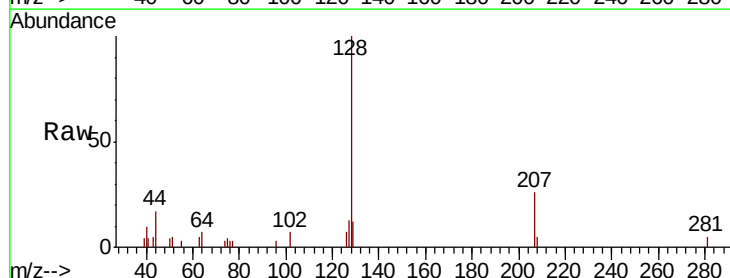
Tgt Ion:128 Resp: 8866

Ion Ratio Lower Upper

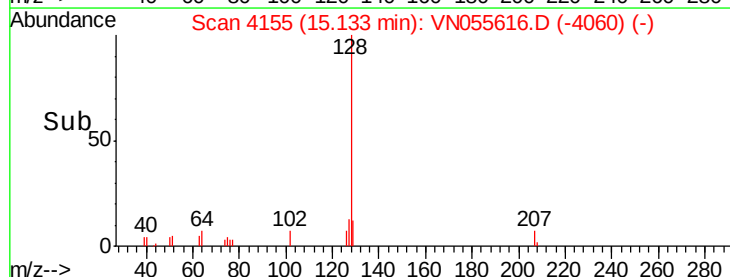
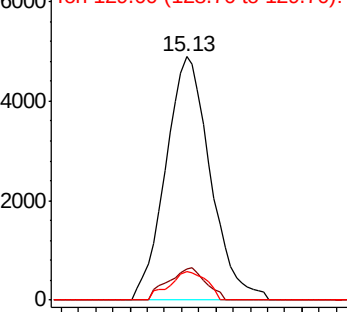
128 100

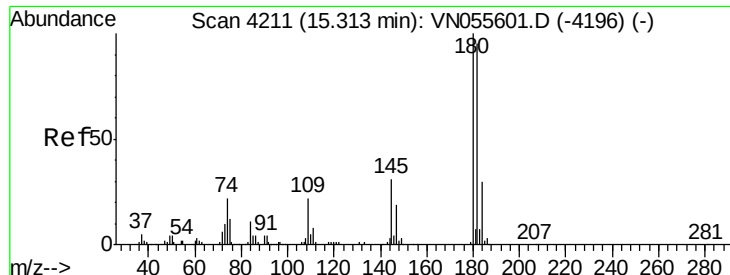
127 11.2 10.2 15.4

129 9.8 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

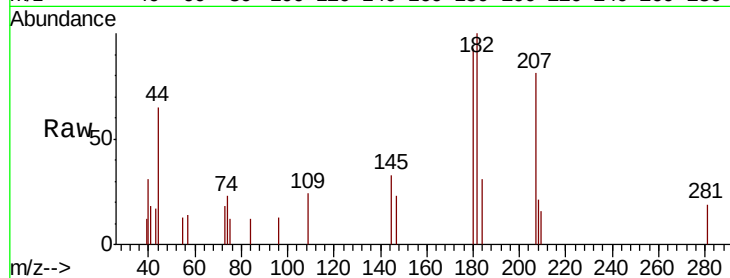




#96
 1,2,3-Trichlorobenzene
 Concen: 0.673 ug/l
 RT: 15.32 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN055616.D
 Acq: 17 May 2019 17:33

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	106.1	47.9	143.6
145	28.2	15.4	46.1



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

