

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN043019\
 Data File : VN055300.D
 Acq On : 30 Apr 2019 11:48
 Operator : JC/SP
 Sample : VN0430WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 01 05:16:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:16:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	346738	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	590868	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	546951	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	141551	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	242881	53.54	ug/l	0.00
Spiked Amount			Recovery	=	107.08%	
35) Dibromofluoromethane	7.59	113	196715	50.72	ug/l	0.00
Spiked Amount			Recovery	=	101.44%	
50) Toluene-d8	10.09	98	732567	52.31	ug/l	0.00
Spiked Amount			Recovery	=	104.62%	
62) 4-Bromofluorobenzene	12.40	95	223030	50.96	ug/l	0.00
Spiked Amount			Recovery	=	101.92%	

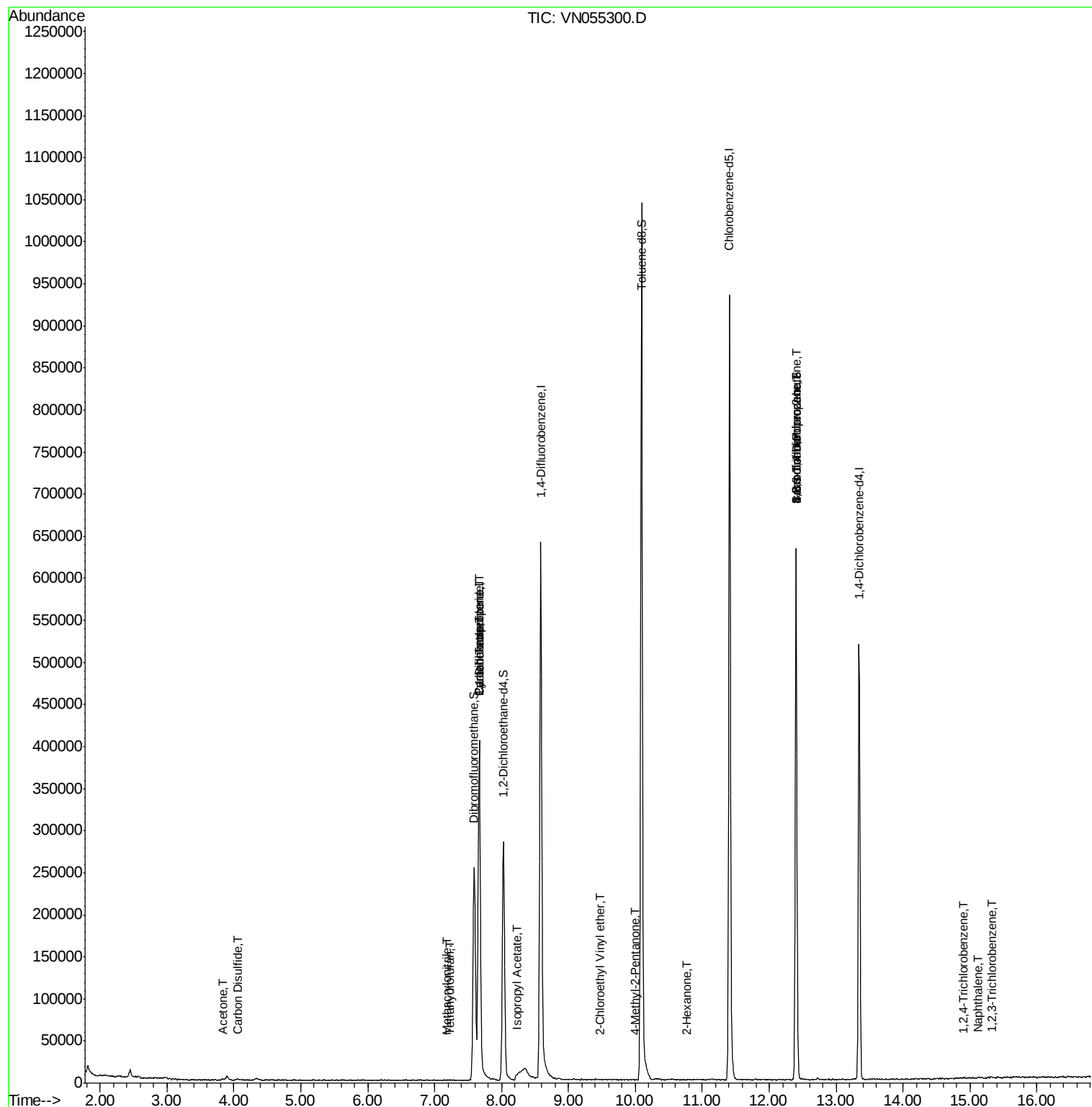
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	2140	1.514	ug/l #	45
17) Carbon Disulfide	4.06	76	3189	0.357	ug/l #	91
29) Tetrahydrofuran	7.23	42	323	0.279	ug/l #	40
31) Cyclohexane	7.66	56	7300	1.023	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	26476	4.678	ug/l #	50
38) Carbon Tetrachloride	7.67	117	32433	5.941	ug/l #	16
41) Methacrylonitrile	7.18	41	105	0.784	ug/l #	23
43) Isopropyl Acetate	8.22	43	3500	0.502	ug/l #	56
51) 4-Methyl-2-Pentanone	9.99	43	1056	0.269	ug/l #	39
58) 2-Chloroethyl Vinyl ether	9.47	63	66	12.451	ug/l #	52
59) 2-Hexanone	10.77	43	808	0.329	ug/l #	28
71) Bromoform	12.40	173	2357	1.014	ug/l #	1
73) Isopropylbenzene	12.25	105	162	Below Cal	#	49
75) 1,1,2,2-Tetrachloroethane	12.41	83	108	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	113749	42.874	ug/l #	100
79) 2-Chlorotoluene	12.68	91	94	Below Cal	#	21
81) trans-1,4-Dichloro-2-buten	12.40	75	113749	152.286	ug/l #	7
93) 1,2,4-Trichlorobenzene	14.91	180	132	3.377	ug/l #	68
94) Hexachlorobutadiene	15.01	225	141	Below Cal	#	20
95) Naphthalene	15.14	128	838	3.527	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.32	180	198	2.716	ug/l #	25

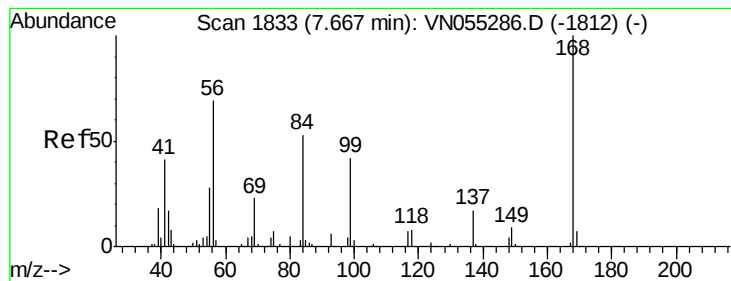
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN043019\
Data File : VN055300.D
Acq On : 30 Apr 2019 11:48
Operator : JC/SP
Sample : VN0430WBL01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: May 01 05:16:25 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 30 07:16:52 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: VN055300.D

Acq: 30 Apr 2019 11:48

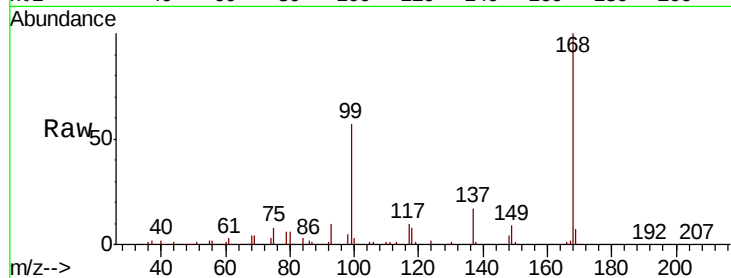
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 346738

Ion Ratio Lower Upper

168 100

99 56.8 43.6 65.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

150000

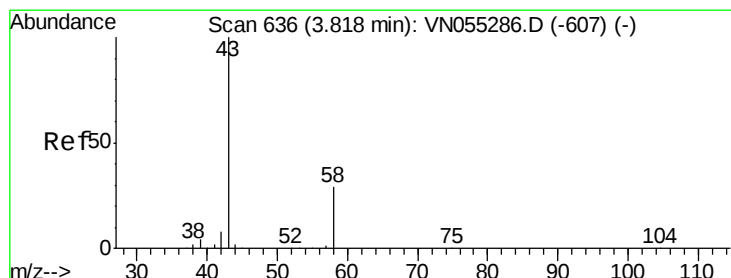
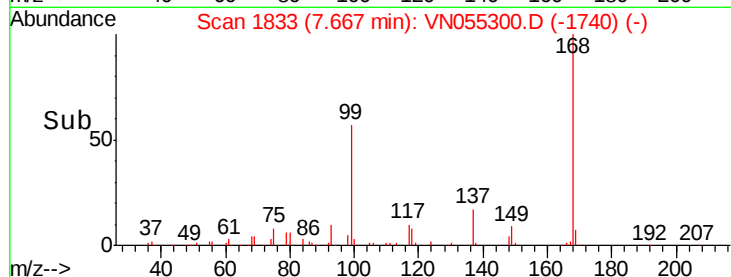
100000

50000

0

Time-->

7.60 7.70 7.80



#16

Acetone

Concen: 1.514 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN055300.D

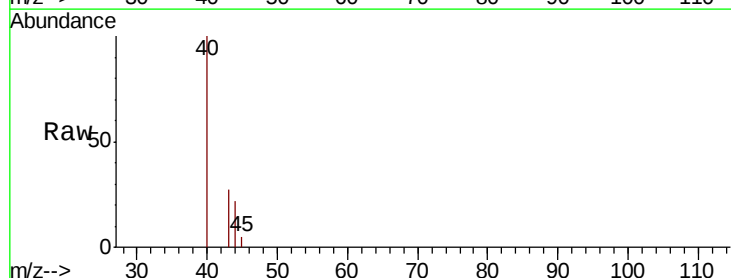
Acq: 30 Apr 2019 11:48

Tgt Ion: 43 Resp: 2140

Ion Ratio Lower Upper

43 100

58 0.0 23.6 35.4#



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.82

800

600

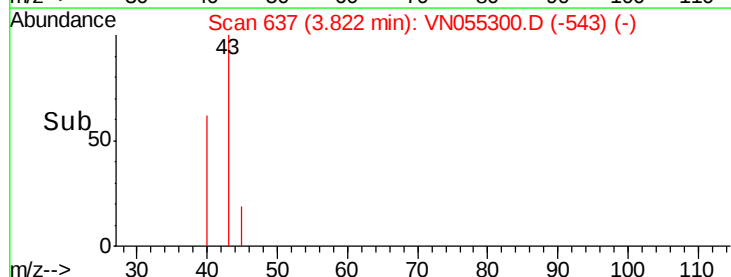
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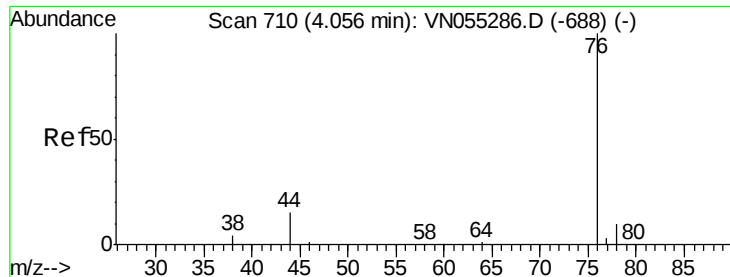
200

0

Time-->

3.80 3.85 3.90

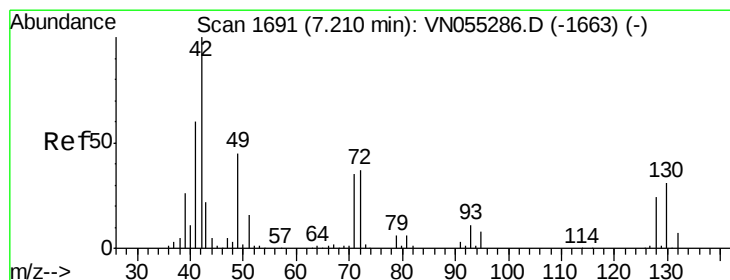
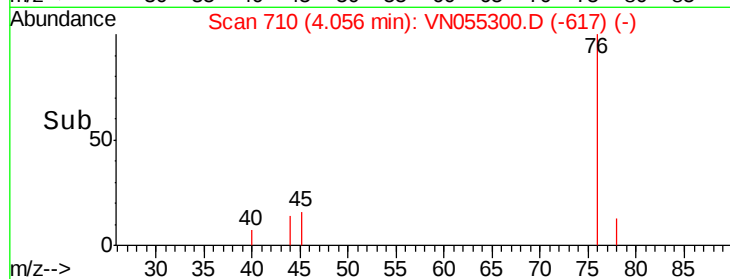
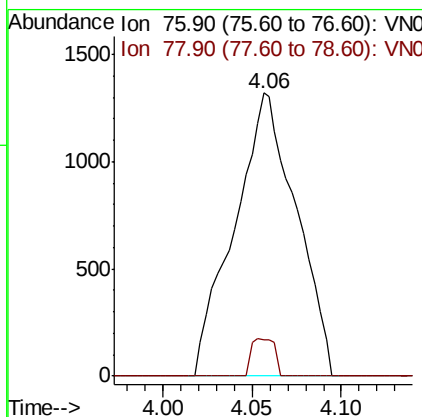
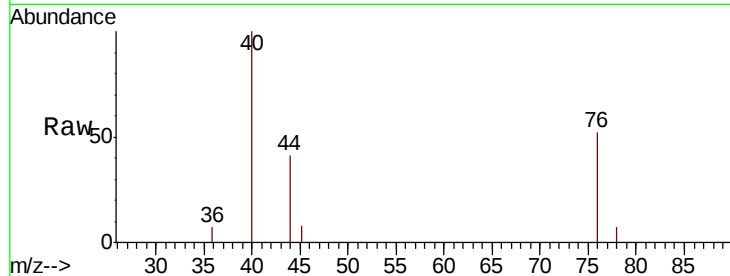




#17
Carbon Disulfide
Concen: 0.357 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.00 min
Lab File: VN055300.D
Acq: 30 Apr 2019 11:48

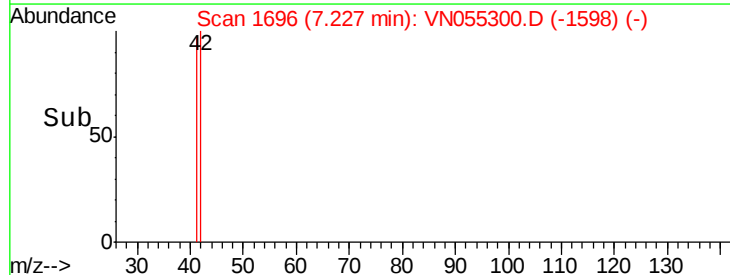
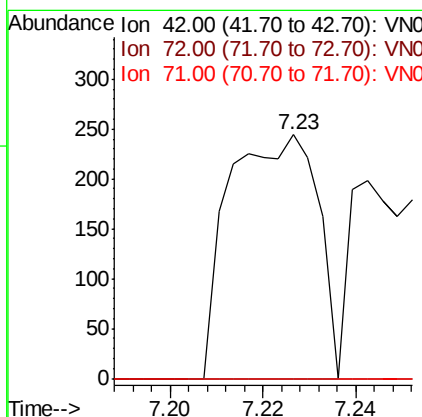
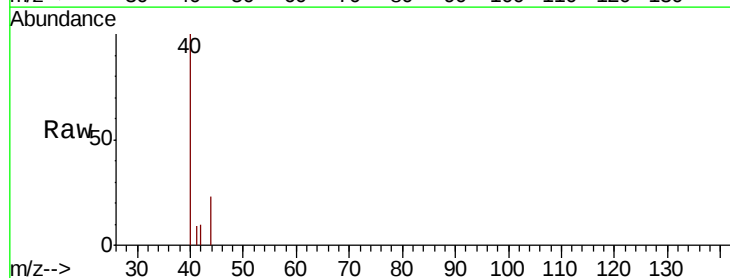
Instrument :
MSVOA_N
ClientSampled :

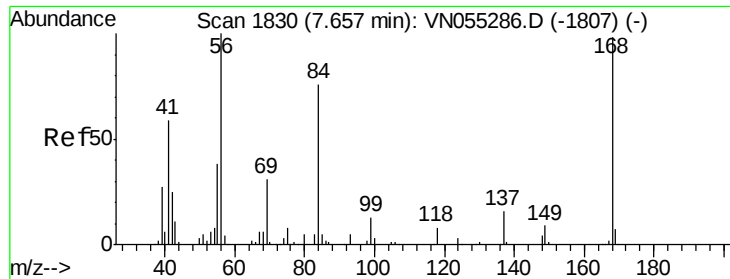
Tot Ion: 76 Resp: 3189
Ion Ratio Lower Upper
76 100
78 12.7 7.6 11.4#



#29
Tetrahydrofuran
Concen: 0.279 ug/l
RT: 7.23 min Scan# 1696
Delta R.T. 0.02 min
Lab File: VN055300.D
Acq: 30 Apr 2019 11:48

Tgt Ion: 42 Resp: 323
Ion Ratio Lower Upper
42 100
72 0.0 29.0 43.6#
71 0.0 27.1 40.7#

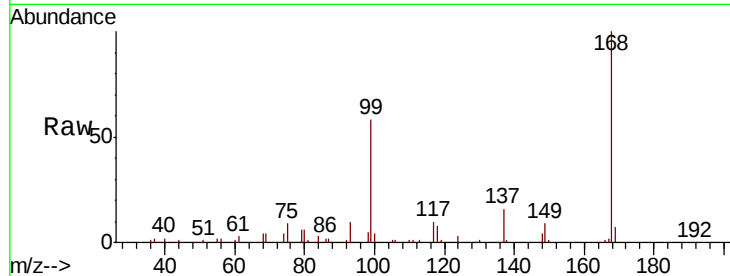




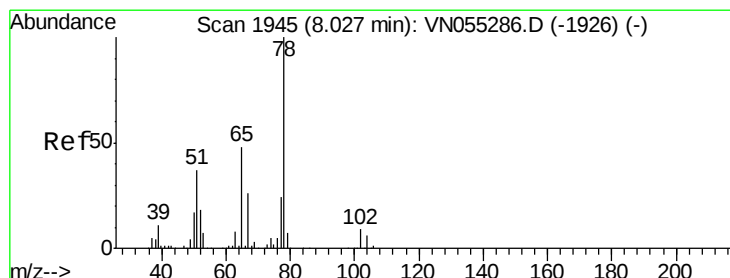
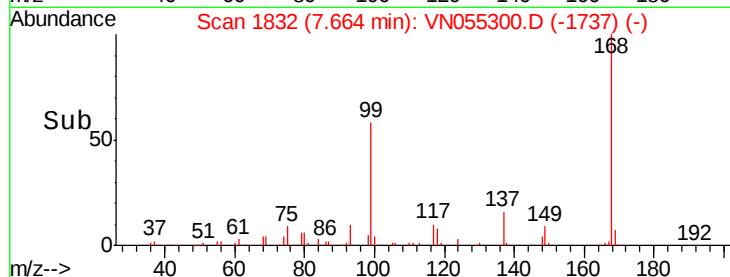
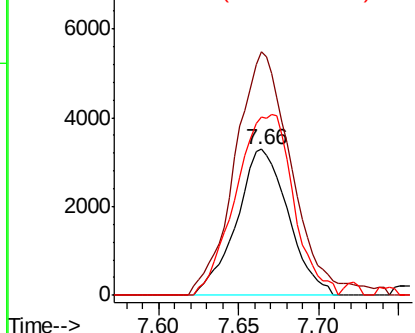
#31
Cyclohexane
Concen: 1.023 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN055300.D
Acq: 30 Apr 2019 11:48

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 7300
Ion Ratio Lower Upper
56 100
69 166.6 25.2 37.8#
84 122.2 61.1 91.7#

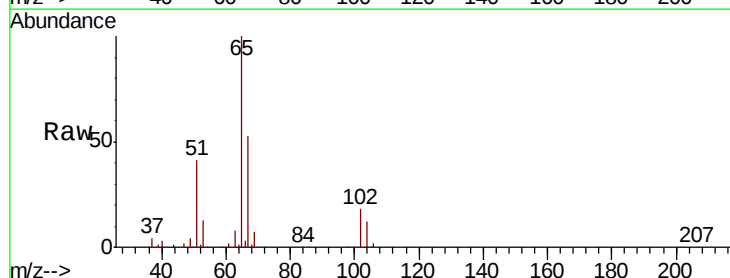


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

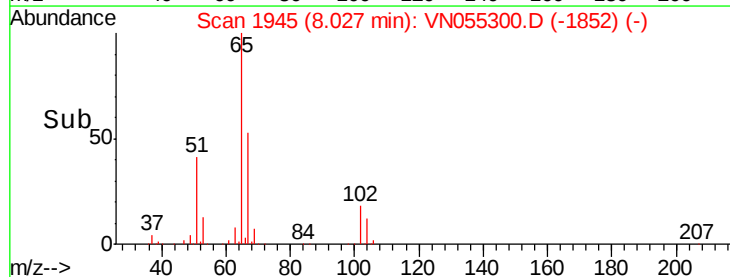
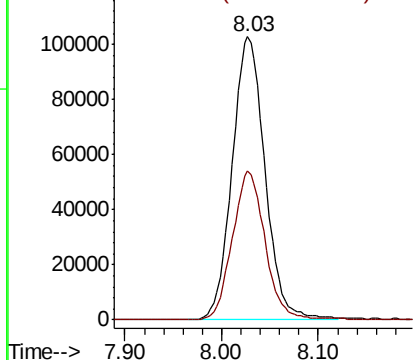


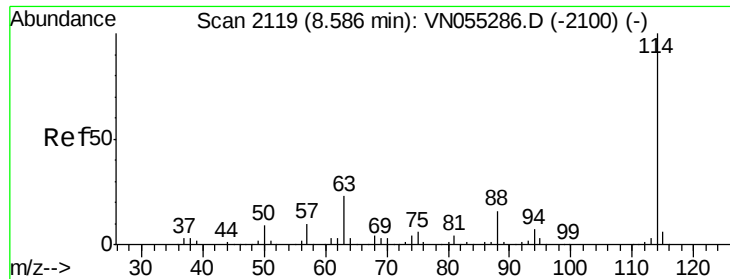
#33
1,2-Dichloroethane-d4
Concen: 53.544 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN055300.D
Acq: 30 Apr 2019 11:48

Tgt Ion: 65 Resp: 242881
Ion Ratio Lower Upper
65 100
67 52.1 0.0 106.8



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

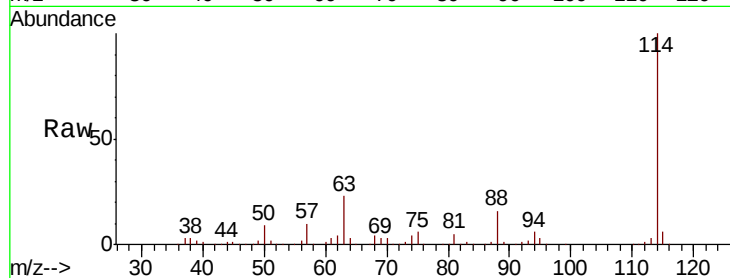




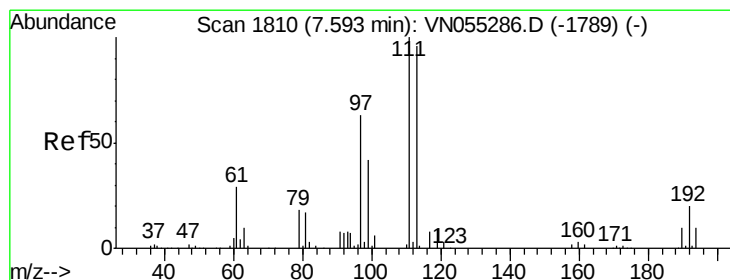
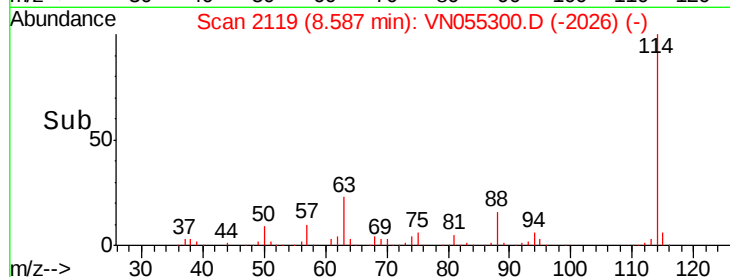
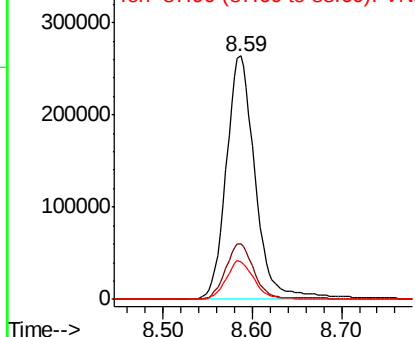
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055300.D
 Acq: 30 Apr 2019 11:48

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:114 Resp: 590868
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 45.2
 88 15.6 0.0 31.6

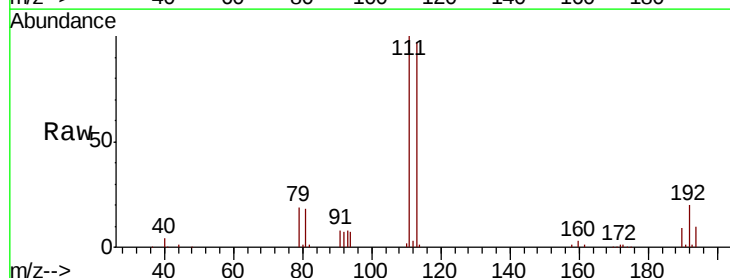


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

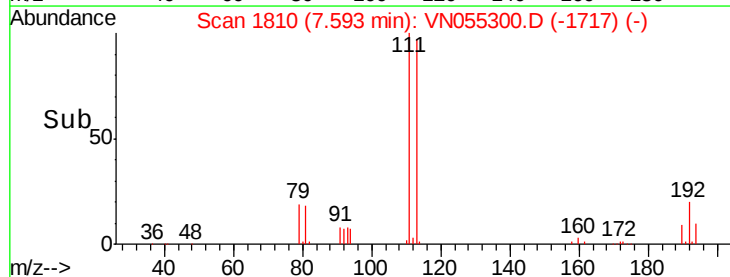
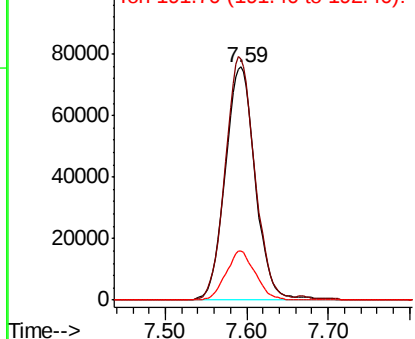


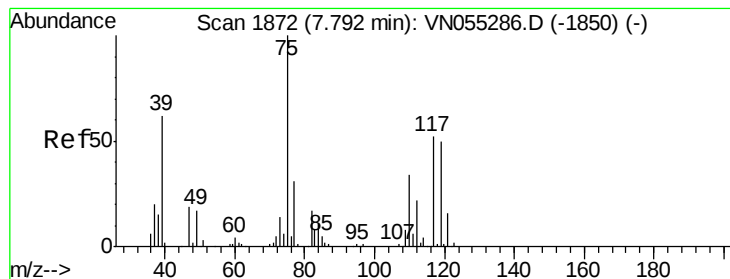
#35
 Dibromofluoromethane
 Concen: 50.723 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN055300.D
 Acq: 30 Apr 2019 11:48

Tgt Ion:113 Resp: 196715
 Ion Ratio Lower Upper
 113 100
 111 101.9 82.3 123.5
 192 20.5 17.0 25.6



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: 4.678 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN055300.D

Acq: 30 Apr 2019 11:48

Instrument :
MSVOA_N
ClientSampled :

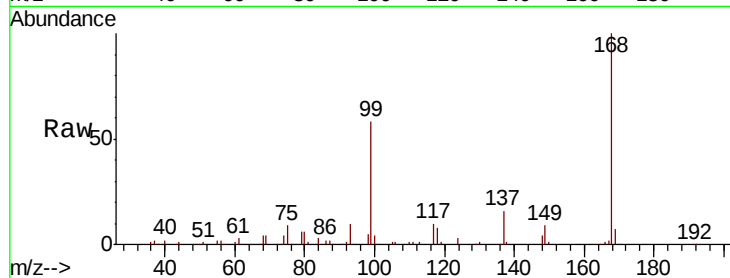
Tot Ion: 75 Resp: 26476

Ion Ratio Lower Upper

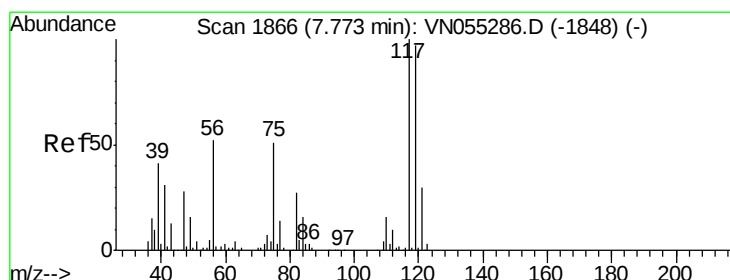
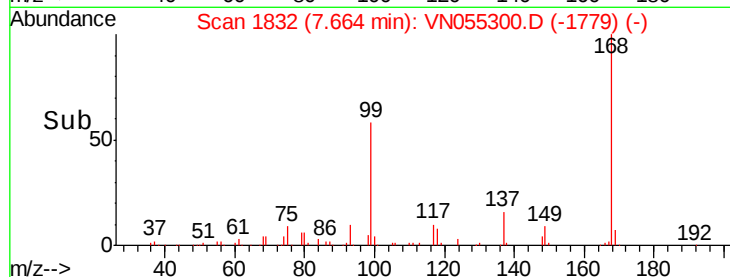
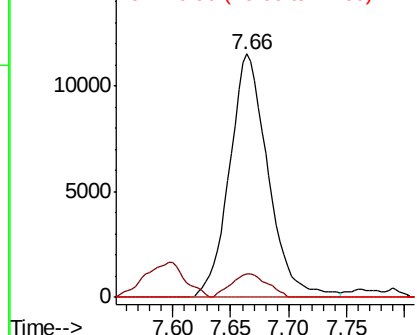
75 100

110 9.1 16.8 50.4#

77 0.0 25.0 37.6#



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: 5.941 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN055300.D

Acq: 30 Apr 2019 11:48

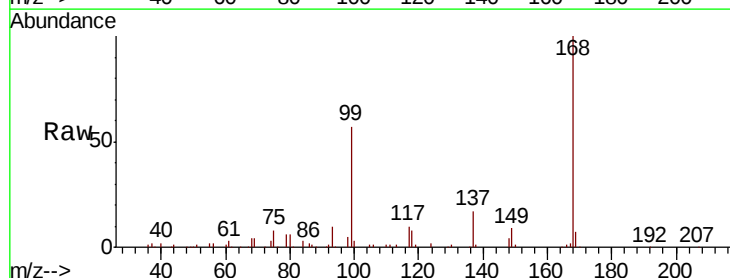
Tgt Ion: 117 Resp: 32433

Ion Ratio Lower Upper

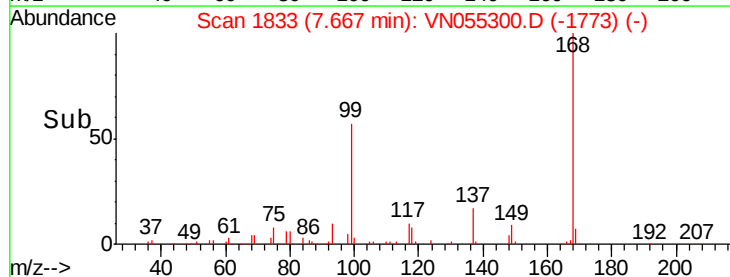
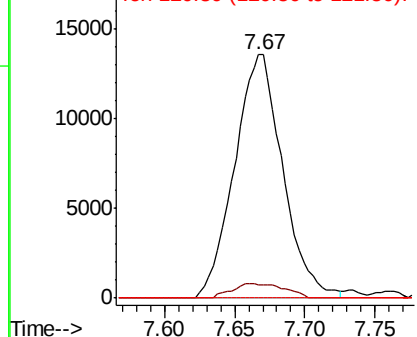
117 100

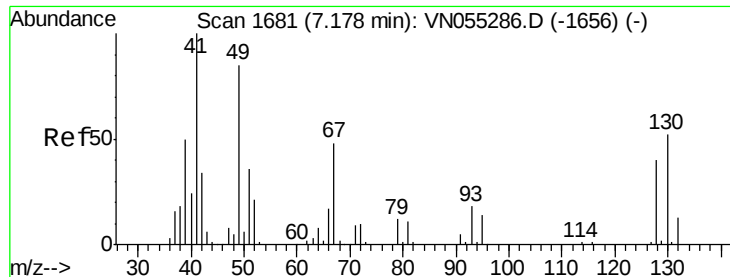
119 5.7 77.0 115.6#

121 0.0 23.8 35.8#



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

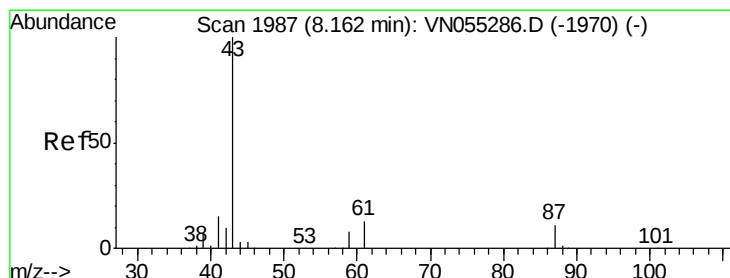
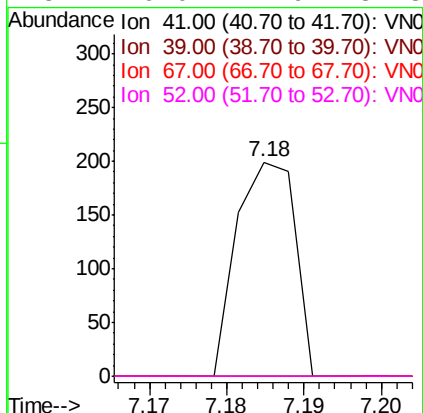
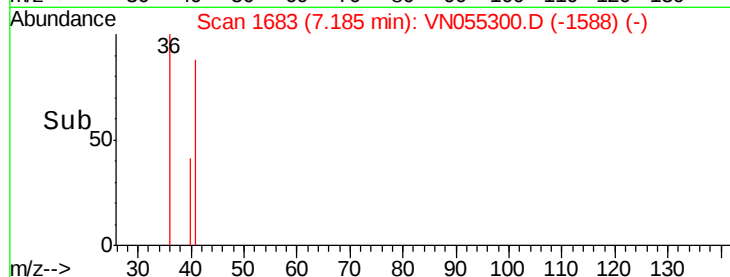
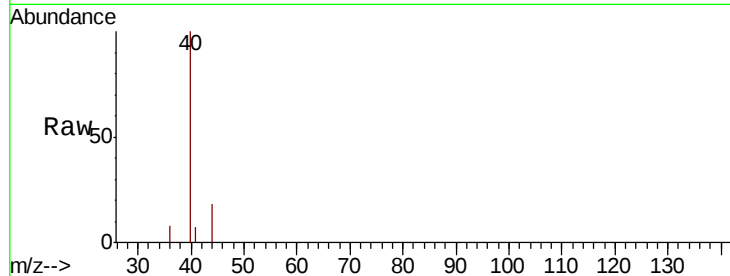




#41
Methacrylonitrile
Concen: 0.784 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.01 min
Lab File: VN055300.D
Acq: 30 Apr 2019 11:48

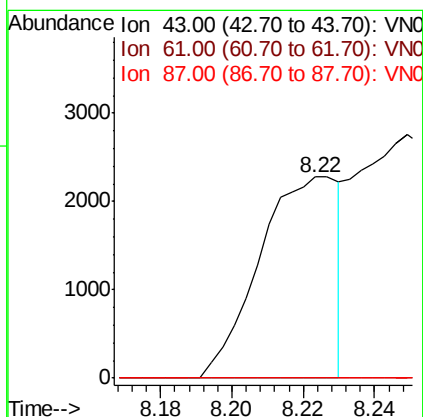
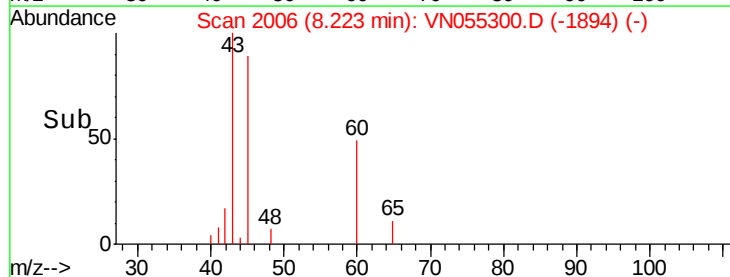
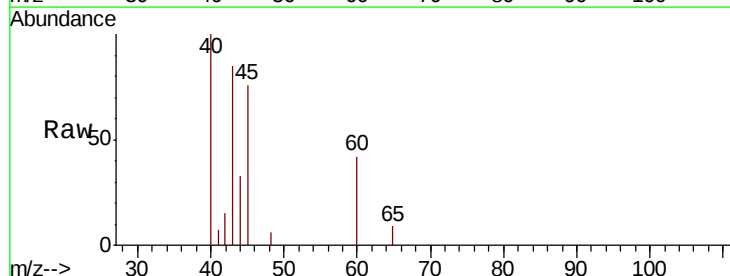
Instrument :
MSVOA_N
ClientSampled :

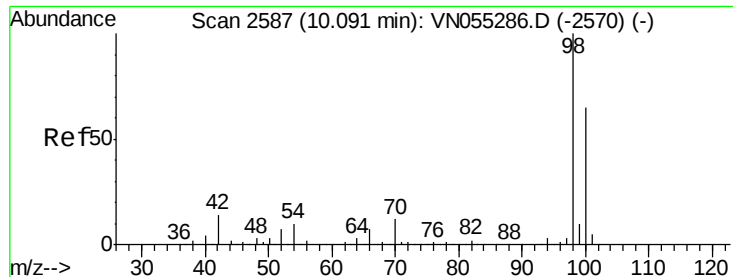
Tot Ion:	41	Resp:	105
Ion	Ratio	Lower	Upper
41	100		
39	0.0	48.5	72.7#
67	0.0	54.9	82.3#
52	0.0	24.9	37.3#



#43
Isopropyl Acetate
Concen: 0.502 ug/l
RT: 8.22 min Scan# 2006
Delta R.T. 0.06 min
Lab File: VN055300.D
Acq: 30 Apr 2019 11:48

Tgt Ion:	43	Resp:	3500
Ion	Ratio	Lower	Upper
43	100		
61	0.0	20.8	31.2#
87	0.0	8.5	12.7#





#50

Toluene-d8

Concen: 52.311 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055300.D

Acq: 30 Apr 2019 11:48

Instrument :

MSVOA_N

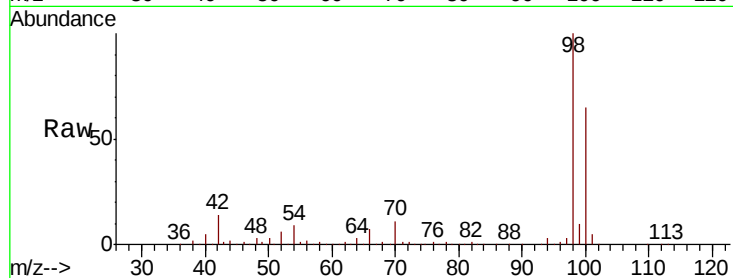
ClientSampled :

Tot Ion: 98 Resp: 732567

Ion Ratio Lower Upper

98 100

100 64.0 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN055300.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN055300.D (-2494) (-)

10.09

400000

300000

200000

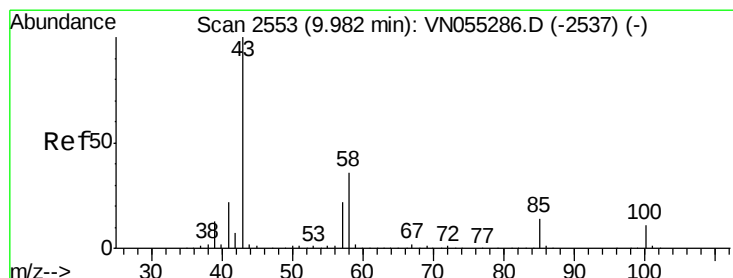
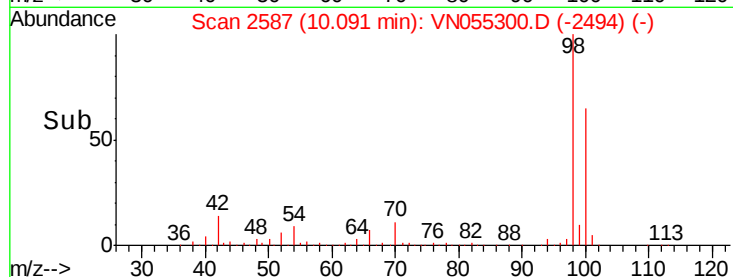
100000

0

10.00

10.20

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.269 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.01 min

Lab File: VN055300.D

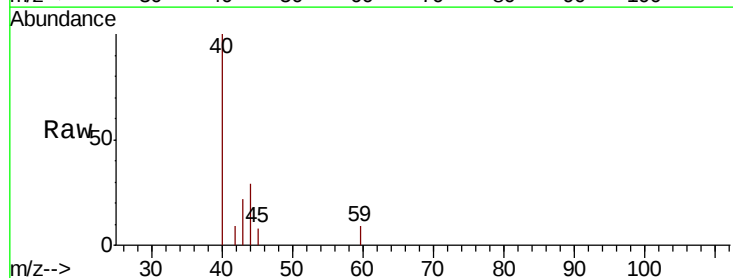
Acq: 30 Apr 2019 11:48

Tgt Ion: 43 Resp: 1056

Ion Ratio Lower Upper

43 100

58 0.0 28.5 42.7#



Abundance Ion 43.00 (42.70 to 43.70): VN055300.D (-2460) (-)

Ion 58.00 (57.70 to 58.70): VN055300.D (-2460) (-)

9.99

600

500

400

300

200

100

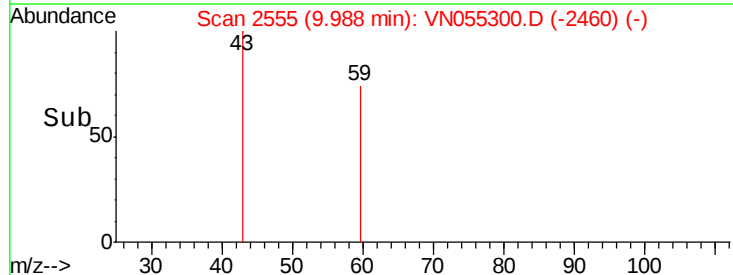
0

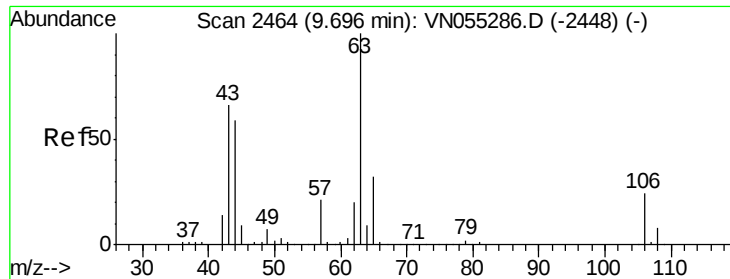
9.95

10.00

10.05

Time-->

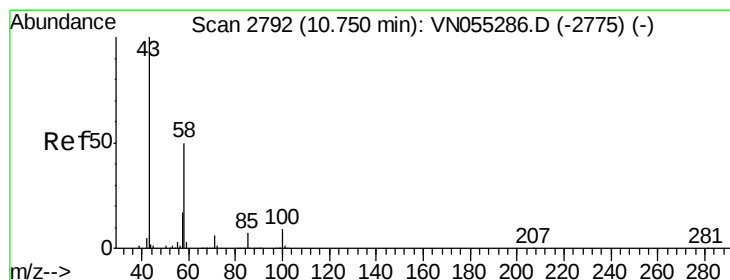
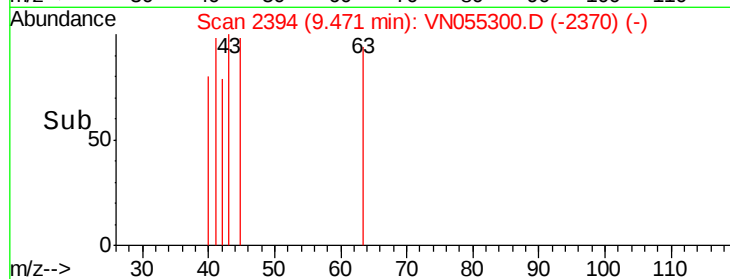
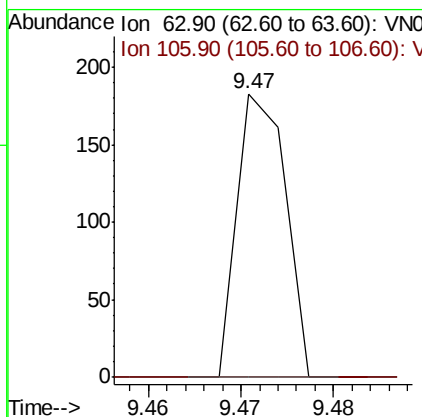
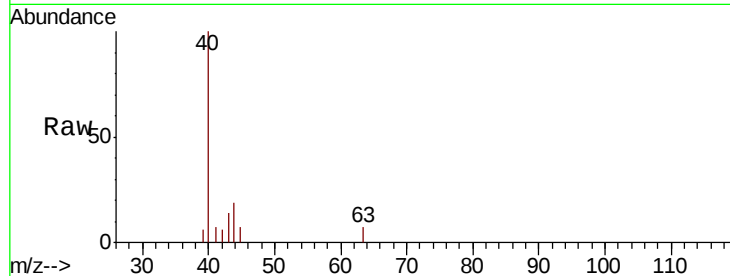




#58
 2-Chloroethyl Vinyl ether
 Concen: 12.451 ug/l
 RT: 9.47 min Scan# 2394
 Delta R.T. -0.22 min
 Lab File: VN055300.D
 Acq: 30 Apr 2019 11:48

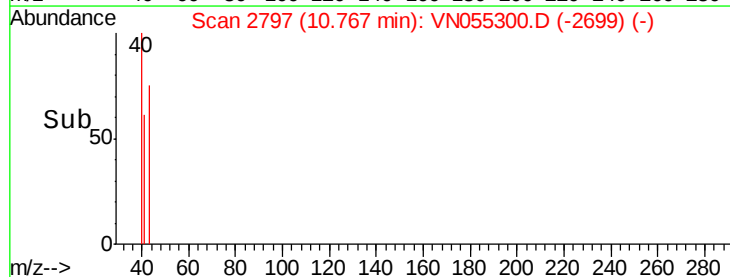
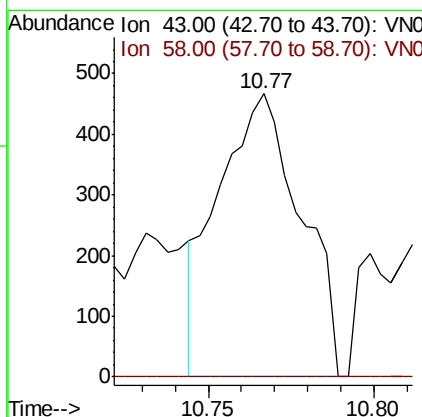
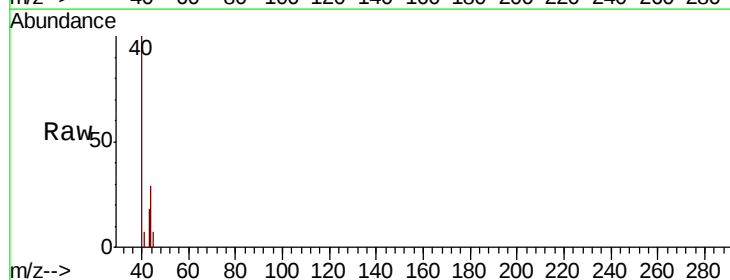
Instrument :
 MSVOA_N
 ClientSampleId :

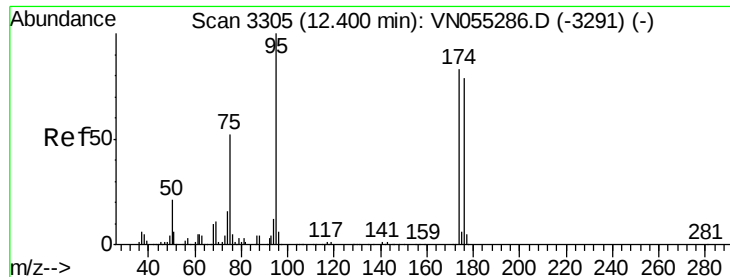
Tot Ion: 63 Resp: 66
 Ion Ratio Lower Upper
 63 100
 106 0.0 19.0 28.4#



#59
 2-Hexanone
 Concen: 0.329 ug/l
 RT: 10.77 min Scan# 2797
 Delta R.T. 0.02 min
 Lab File: VN055300.D
 Acq: 30 Apr 2019 11:48

Tgt Ion: 43 Resp: 808
 Ion Ratio Lower Upper
 43 100
 58 0.0 24.9 74.6#





#62

4-Bromofluorobenzene

Concen: 50.958 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055300.D

Acq: 30 Apr 2019 11:48

Instrument :

MSVOA_N

ClientSampleId :

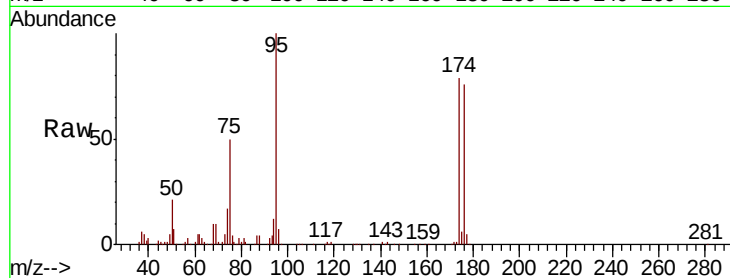
Tot Ion: 95 Resp: 223030

Ion Ratio Lower Upper

95 100

174 82.6 0.0 166.6

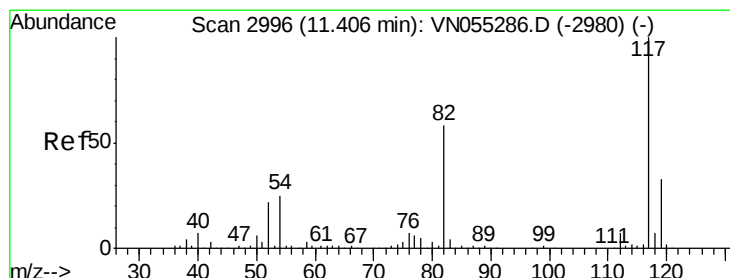
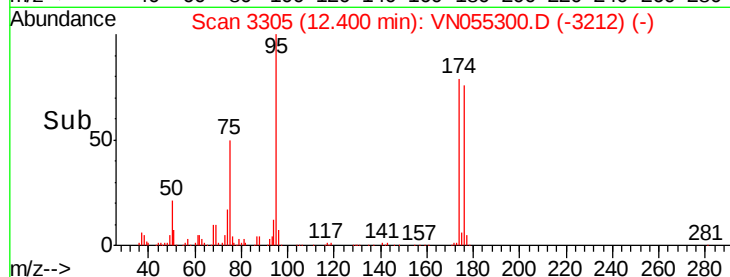
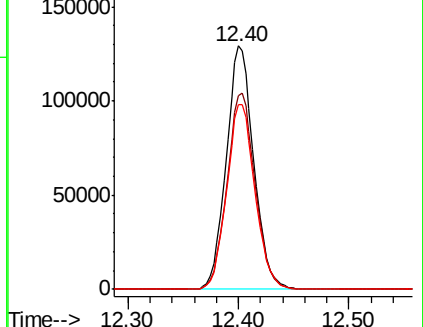
176 78.2 0.0 157.8



Abundance Ion 94.90 (94.60 to 95.60): VN055300.D (-2903) (-)

Ion 173.80 (173.50 to 174.50): VN055300.D (-2903) (-)

Ion 175.80 (175.50 to 176.50): VN055300.D (-2903) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN055300.D

Acq: 30 Apr 2019 11:48

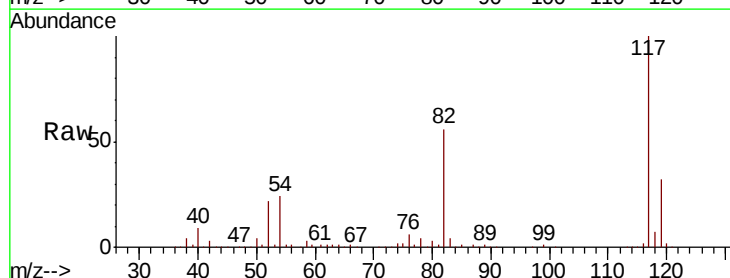
Tgt Ion: 117 Resp: 546951

Ion Ratio Lower Upper

117 100

82 56.0 46.2 69.4

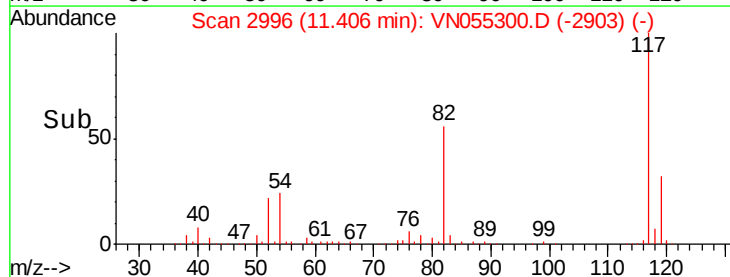
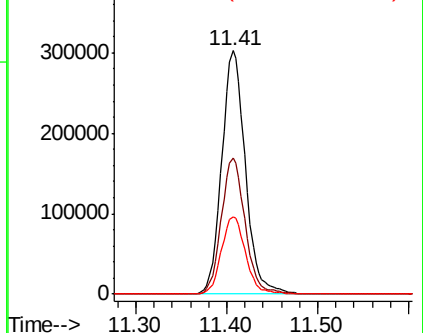
119 31.9 26.6 40.0

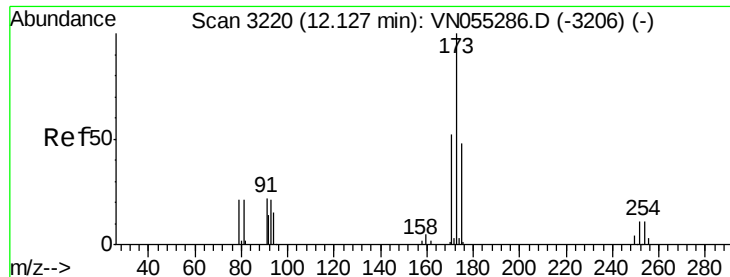


Abundance Ion 116.90 (116.60 to 117.60): VN055300.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN055300.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN055300.D (-2903) (-)

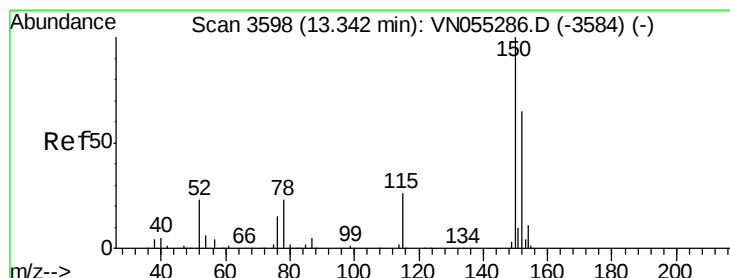
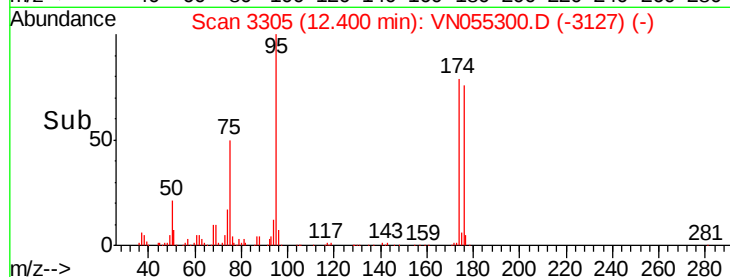
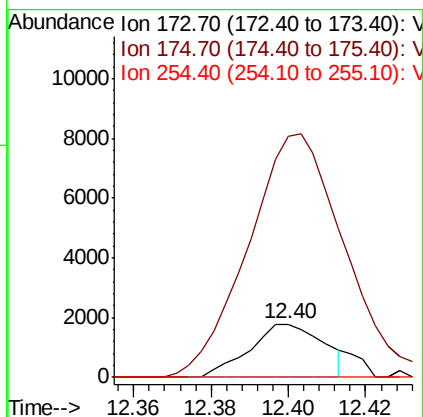
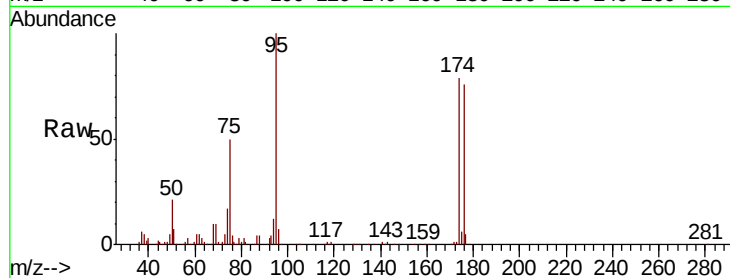




#71
Bromoform
Concen: 1.014 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN055300.D
Acq: 30 Apr 2019 11:48

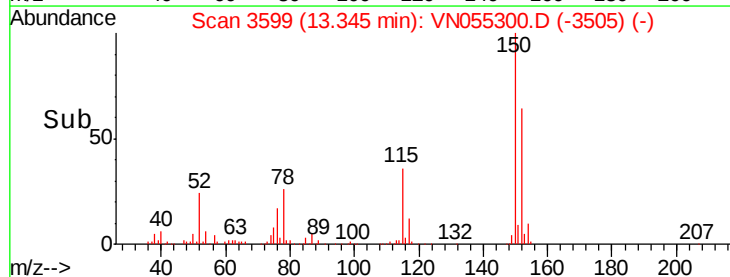
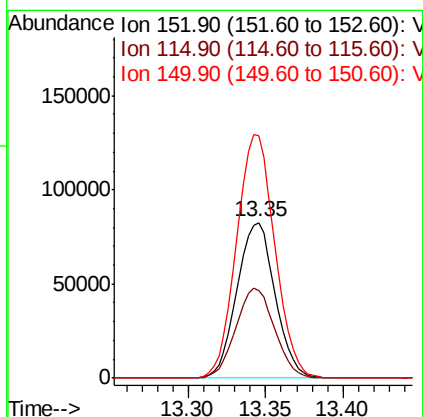
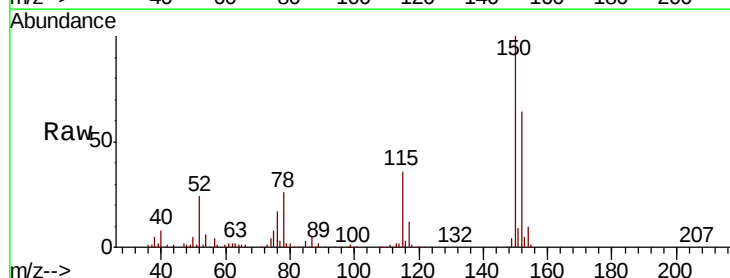
Instrument :
MSVOA_N
ClientSampleId :

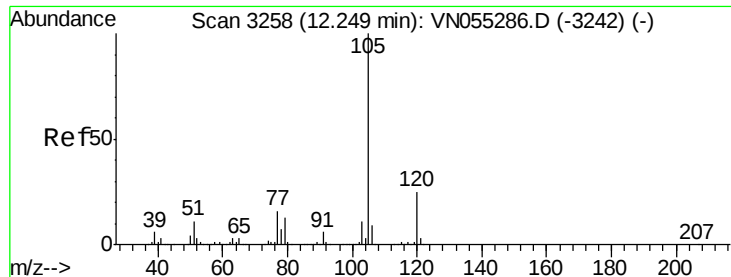
Tot Ion:173 Resp: 2357
Ion Ratio Lower Upper
173 100
175 506.4 23.6 71.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN055300.D
Acq: 30 Apr 2019 11:48

Tgt Ion:152 Resp: 141551
Ion Ratio Lower Upper
152 100
115 58.6 29.0 87.0
150 157.1 0.0 345.6





#73

Isopropylbenzene

Concen: Below Cal

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN055300.D

Acq: 30 Apr 2019 11:48

Instrument :

MSVOA_N

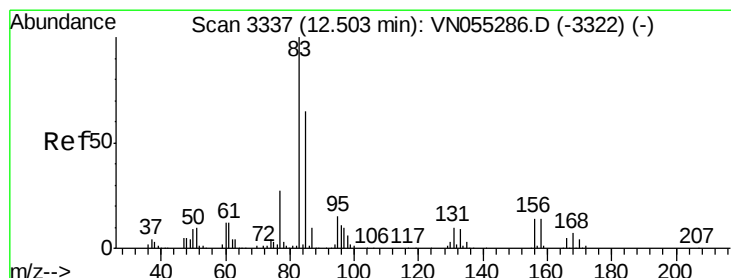
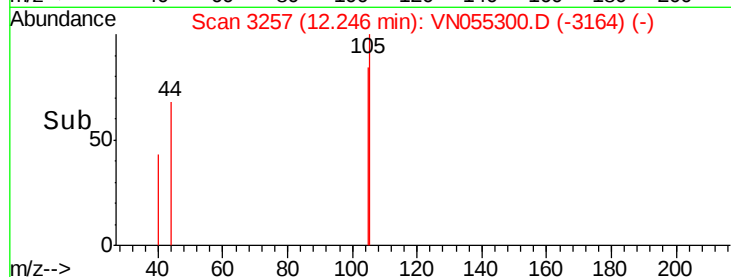
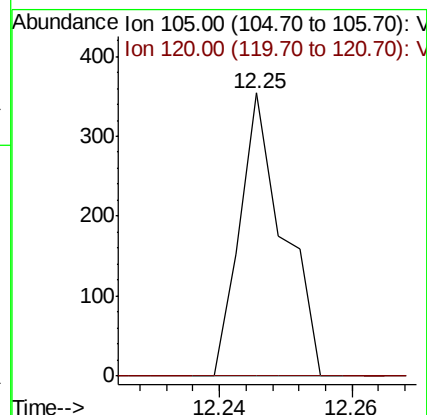
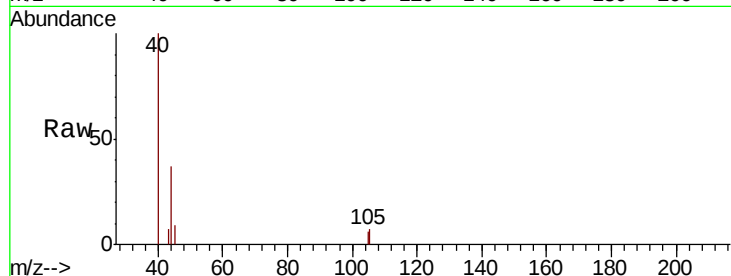
ClientSampleId :

Tot Ion: 105 Resp: 162

Ion Ratio Lower Upper

105 100

120 0.0 12.9 38.7#



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.41 min Scan# 3308

Delta R.T. -0.09 min

Lab File: VN055300.D

Acq: 30 Apr 2019 11:48

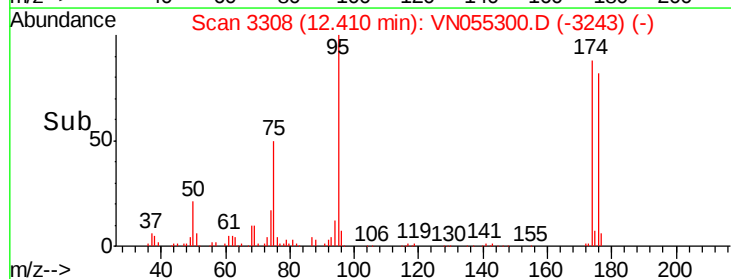
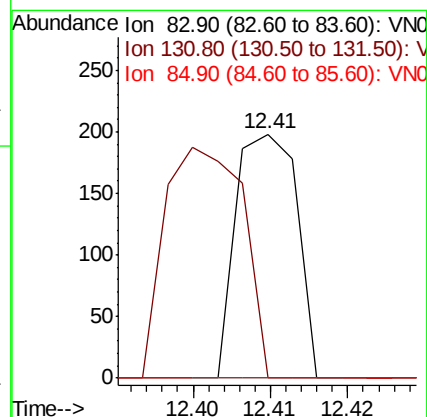
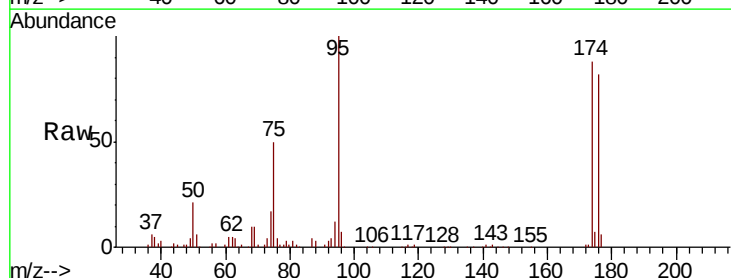
Tgt Ion: 83 Resp: 108

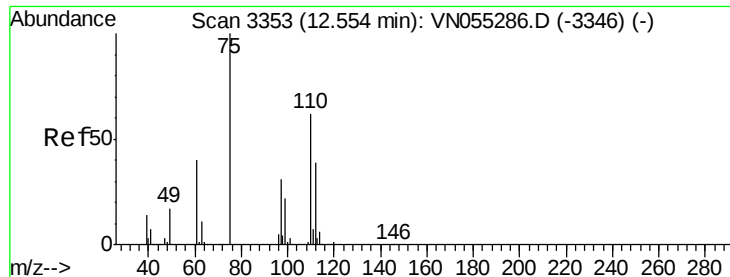
Ion Ratio Lower Upper

83 100

131 121.3 5.1 15.2#

85 0.0 32.3 96.8#

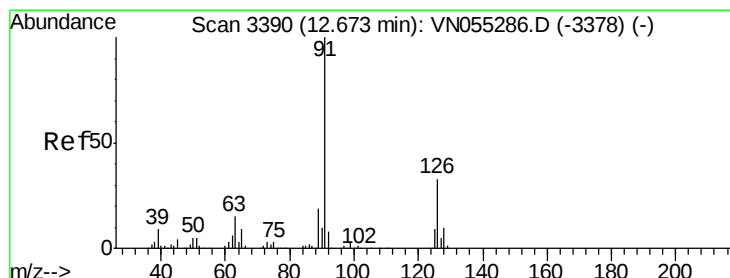
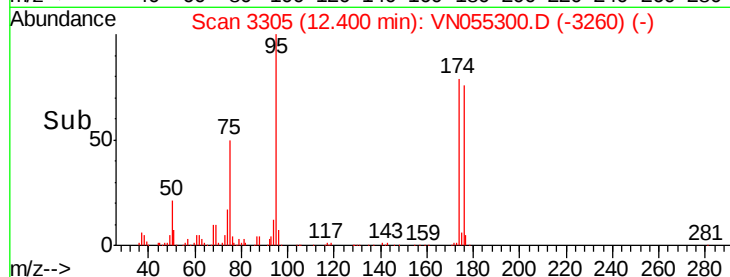
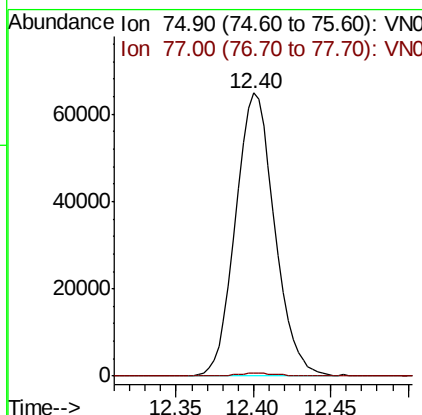
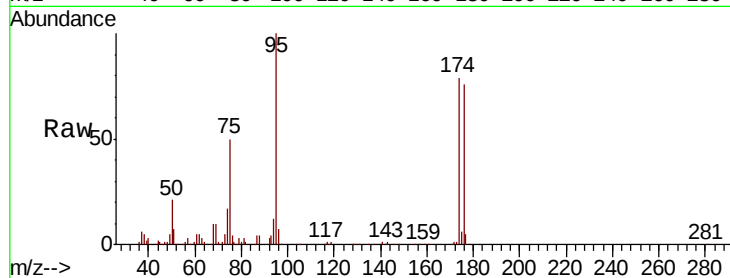




#76
 1,2,3-Trichloropropane
 Concen: 42.874 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.15 min
 Lab File: VN055300.D
 Acq: 30 Apr 2019 11:48

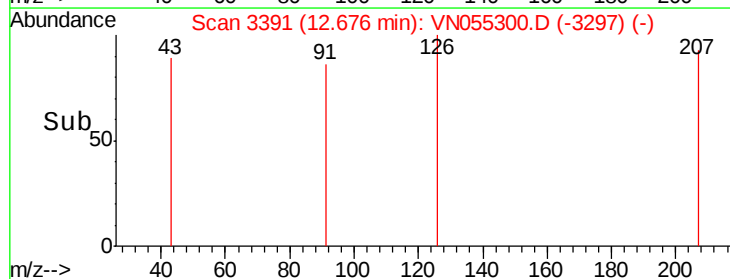
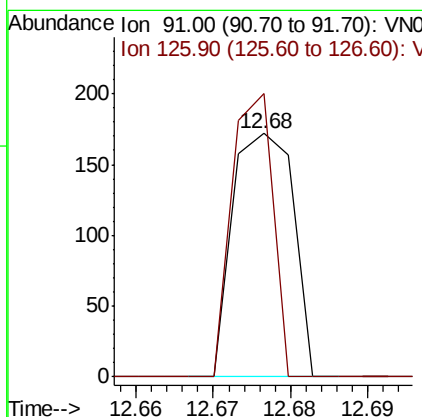
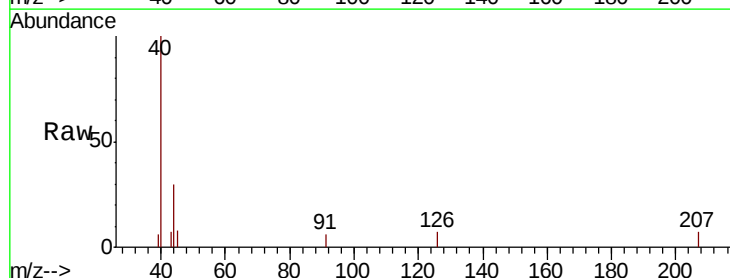
Instrument :
 MSVOA_N
 ClientSampled :

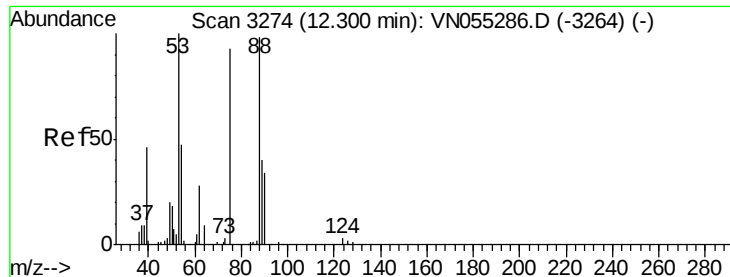
Tot Ion: 75 Resp: 113749
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#



#79
 2-Chlorotoluene
 Concen: Below Cal
 RT: 12.68 min Scan# 3391
 Delta R.T. 0.00 min
 Lab File: VN055300.D
 Acq: 30 Apr 2019 11:48

Tgt Ion: 91 Resp: 94
 Ion Ratio Lower Upper
 91 100
 126 77.7 16.6 49.7#





#81

trans-1,4-Dichloro-2-butene

Concen: 152.286 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055300.D

Acq: 30 Apr 2019 11:48

Instrument :

MSVOA_N

ClientSampled :

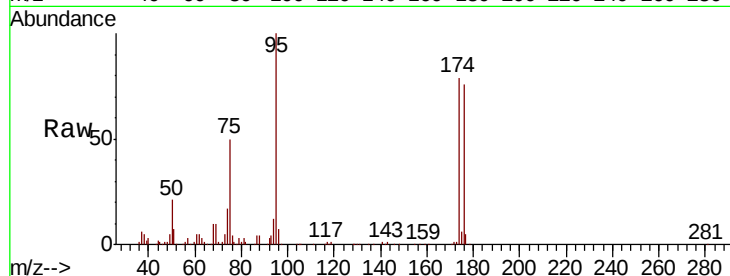
Tot Ion: 75 Resp: 113749

Ion Ratio Lower Upper

75 100

53 0.0 86.3 129.5#

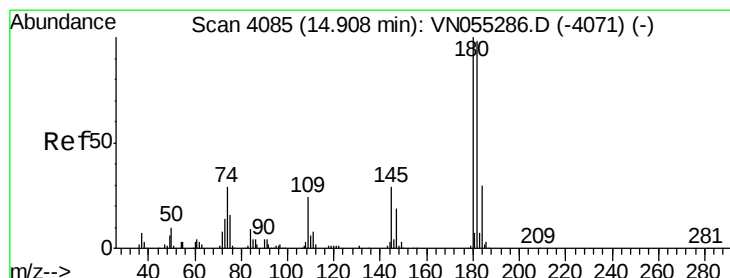
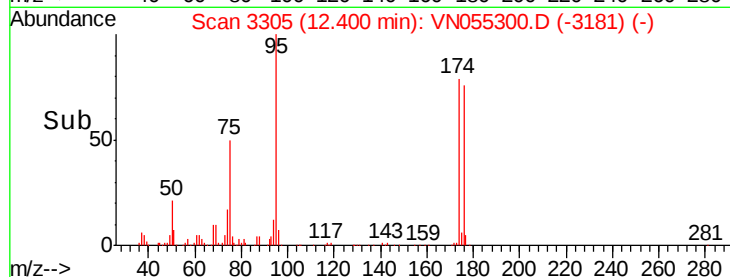
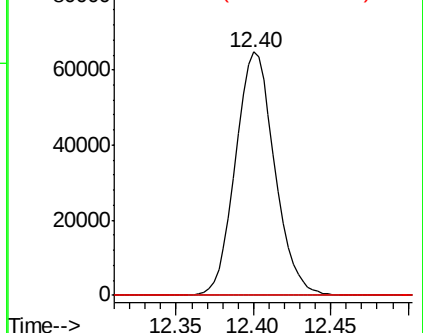
89 0.0 34.6 51.8#



Abundance Ion 74.90 (74.60 to 75.60): VN055300.D (-3181) (-)

Ion 53.00 (52.70 to 53.70): VN055300.D (-3181) (-)

Ion 88.90 (88.60 to 89.60): VN055300.D (-3181) (-)



#93

1,2,4-Trichlorobenzene

Concen: 3.377 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN055300.D

Acq: 30 Apr 2019 11:48

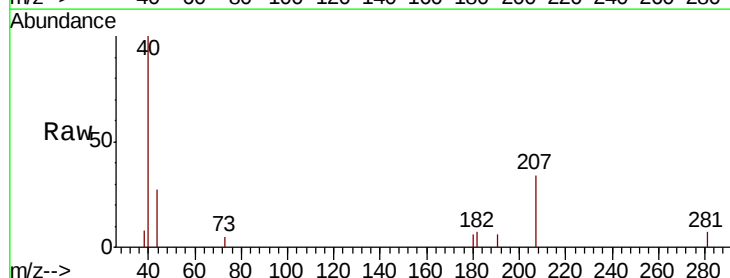
Tgt Ion:180 Resp: 132

Ion Ratio Lower Upper

180 100

182 122.0 48.3 144.9

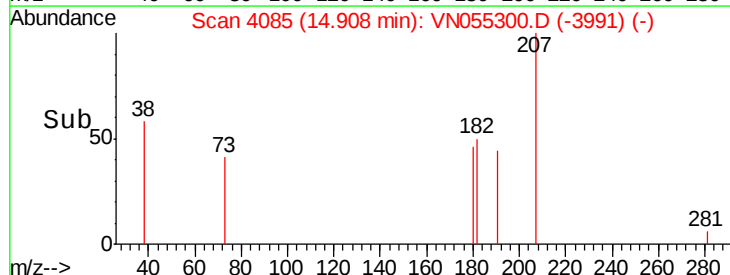
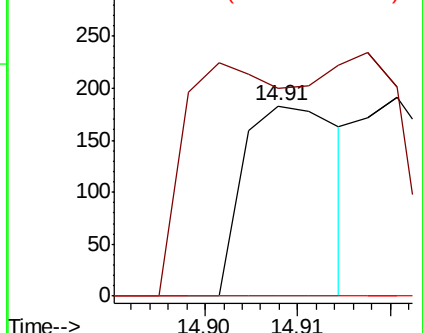
145 0.0 14.2 42.6#

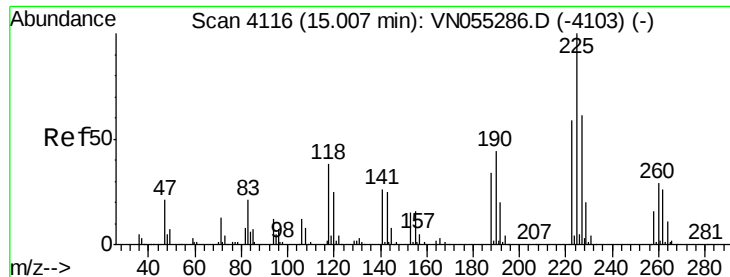


Abundance Ion 179.80 (179.50 to 180.50): VN055300.D (-3991) (-)

Ion 181.80 (181.50 to 182.50): VN055300.D (-3991) (-)

Ion 144.80 (144.50 to 145.50): VN055300.D (-3991) (-)





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

Lab File: VN055300.D

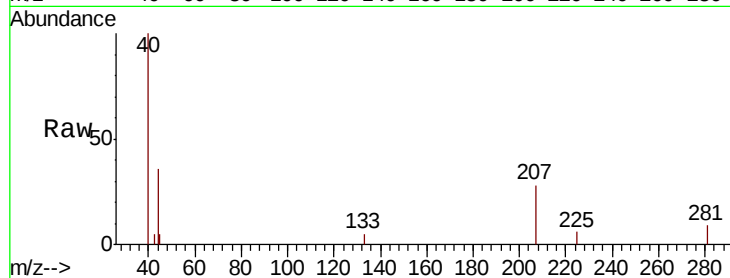
Acq: 30 Apr 2019 11:48

Instrument :

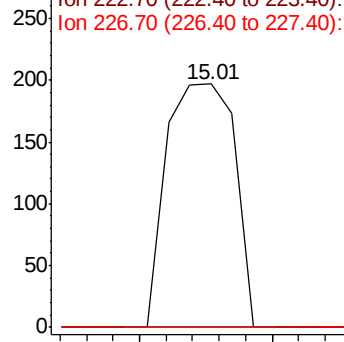
MSVOA_N

ClientSampled :

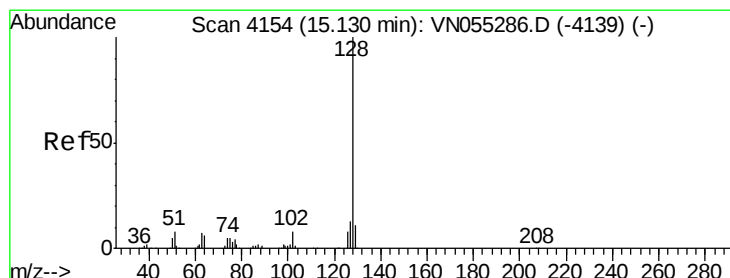
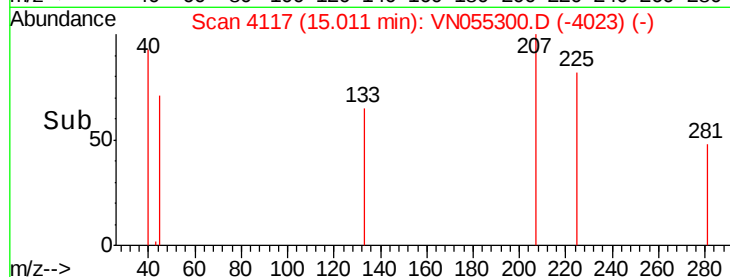
Tot Ion:	225	Resp:	141
Ion	Ratio	Lower	Upper
225	100		
223	0.0	30.3	90.8#
227	0.0	30.9	92.7#



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



Time-->



#95

Naphthalene

Concen: 3.527 ug/l

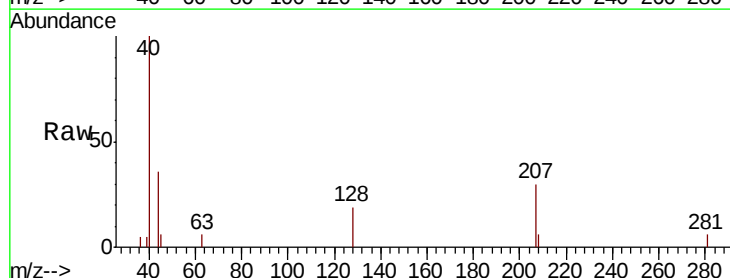
RT: 15.14 min Scan# 4156

Delta R.T. 0.01 min

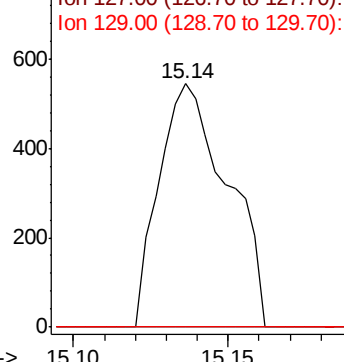
Lab File: VN055300.D

Acq: 30 Apr 2019 11:48

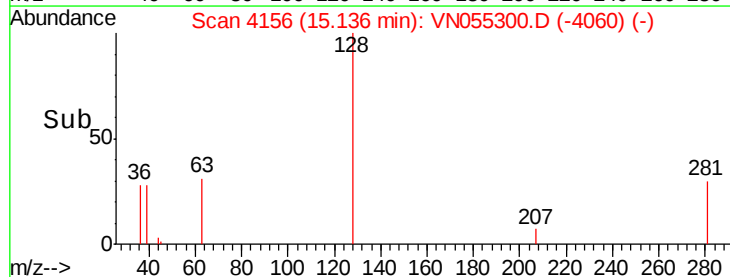
Tgt Ion:	128	Resp:	838
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.7	16.1#
129	0.0	8.6	13.0#

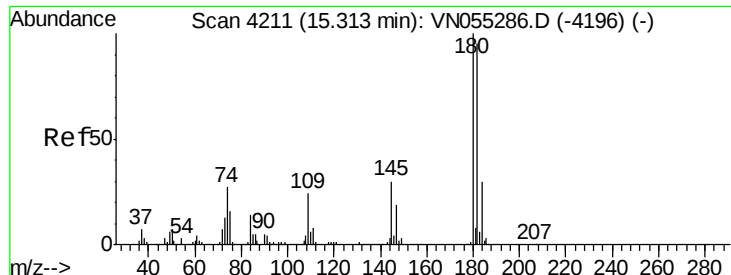


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



Time-->

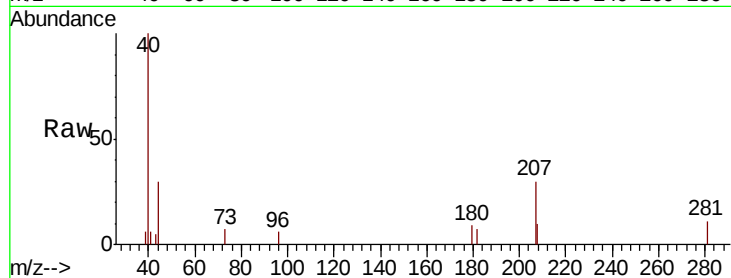




#96
 1,2,3-Trichlorobenzene
 Concen: 2.716 ug/l
 RT: 15.32 min Scan# 4213
 Delta R.T. 0.01 min
 Lab File: VN055300.D
 Acq: 30 Apr 2019 11:48

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	175.8	48.3	144.9#
145	0.0	15.2	45.6#



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

