

Data File : VN057756.D
Acq On : 7 Sep 2019 16:13
Operator : JC/SP
Sample : K4581-27
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
T12-C2-(3.5)

Quant Time: Sep 08 06:36:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N090619W.M
Quant Title : SW846 8260
QLast Update : Fri Sep 06 03:46:54 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	204643	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	327500	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	297996	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	153435	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	242797	48.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.54%	
35) Dibromofluoromethane	7.58	113	150699	50.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.04%	
50) Toluene-d8	10.08	98	568955	51.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.12%	
62) 4-Bromofluorobenzene	12.40	95	202625	44.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.42%	

Target Compounds

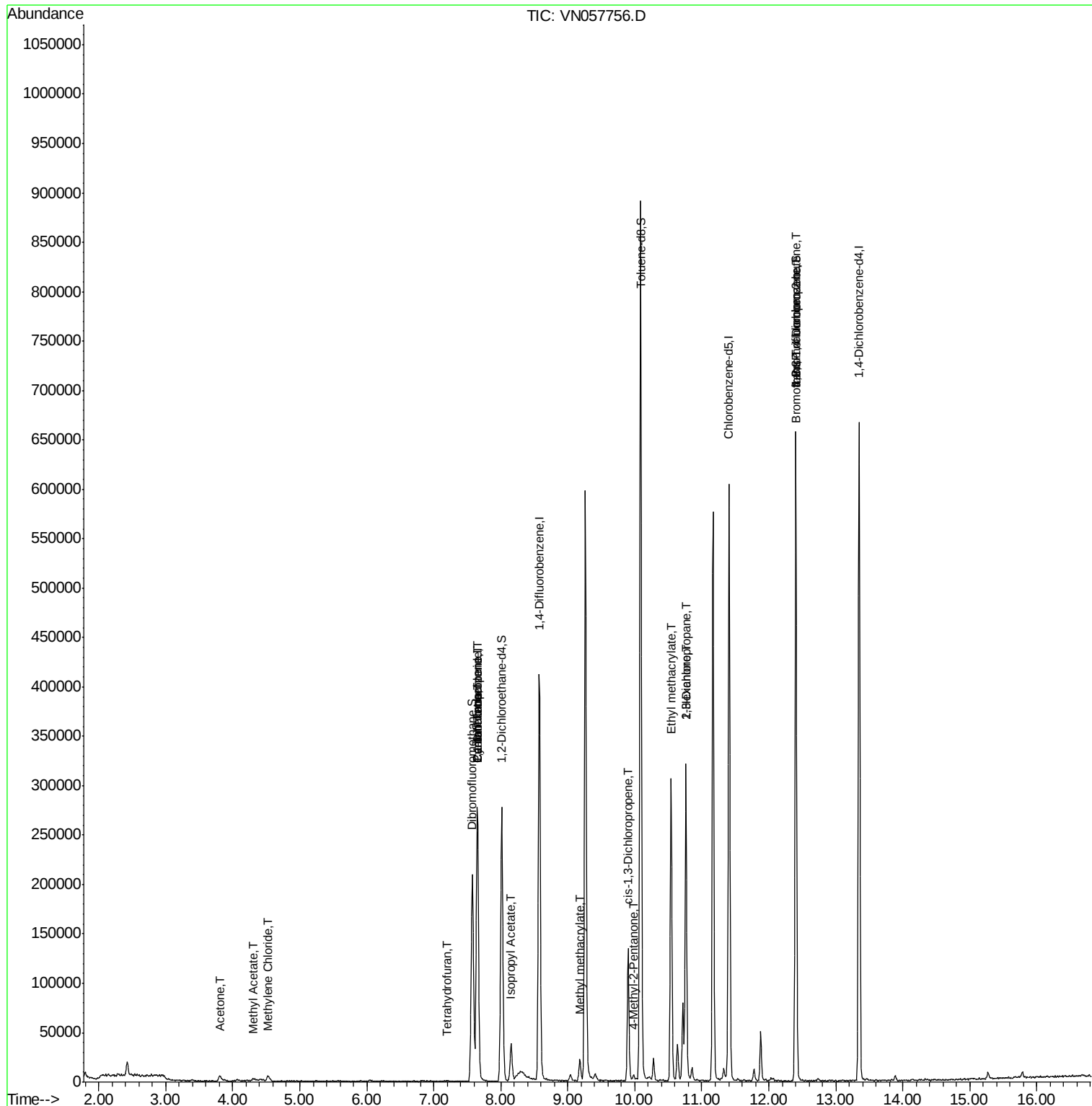
					Qvalue
3) Chloromethane	2.03	50	785	Below Cal	89
16) Acetone	3.80	43	8769	5.724 ug/l	99
18) Methyl Acetate	4.30	43	977	0.235 ug/l #	84
20) Methylene Chloride	4.53	84	3333	1.006 ug/l	97
29) Tetrahydrofuran	7.20	42	316	0.223 ug/l #	58
31) Cyclohexane	7.64	56	3912	0.700 ug/l #	48
36) 1,1-Dichloropropene	7.65	75	20231	4.643 ug/l #	53
38) Carbon Tetrachloride	7.65	117	21571	5.171 ug/l #	16
43) Isopropyl Acetate	8.16	43	45887	5.527 ug/l	99
48) Methyl methacrylate	9.18	41	3370	0.789 ug/l #	16
51) 4-Methyl-2-Pentanone	9.98	43	4509	0.978 ug/l	96
54) cis-1,3-Dichloropropene	9.90	75	20915	4.107 ug/l #	67
56) Ethyl methacrylate	10.54	69	1053	0.219 ug/l #	1
57) 1,3-Dichloropropane	10.76	76	2671	0.495 ug/l #	43
59) 2-Hexanone	10.76	43	53098	16.331 ug/l #	57
71) Bromoform	12.39	173	374	3.415 ug/l #	28
76) 1,2,3-Trichloropropane	12.40	75	124342	35.290 ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	124342	109.752 ug/l #	1

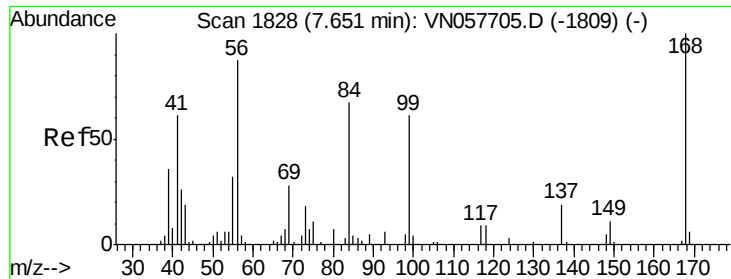
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN057756.D

Acq: 7 Sep 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

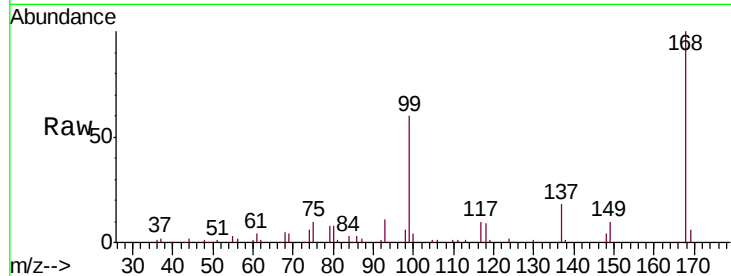
T12-C2-(3.5)

Tgt Ion:168 Resp: 204643

Ion Ratio Lower Upper

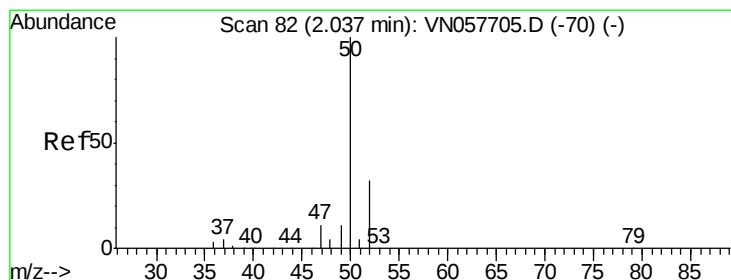
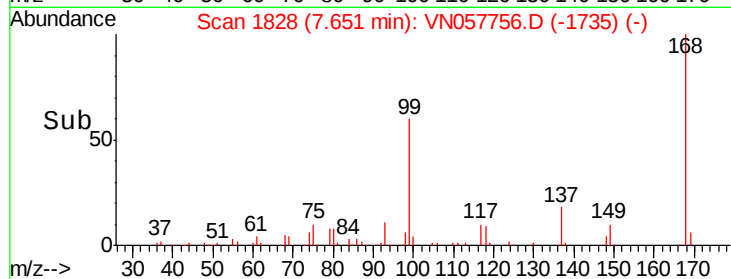
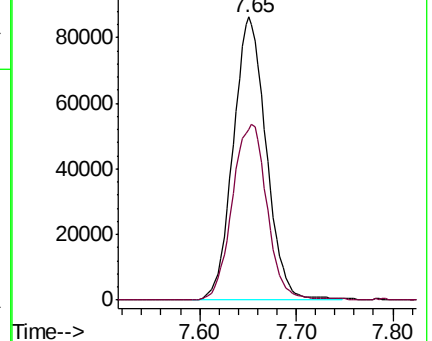
168 100

99 60.3 57.4 86.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNC



#3

Chloromethane

Concen: Below Cal

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN057756.D

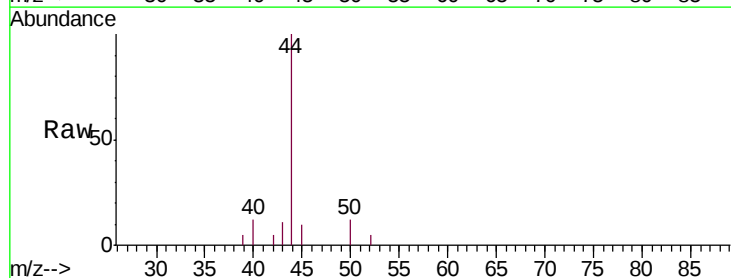
Acq: 7 Sep 2019 16:13

Tgt Ion: 50 Resp: 785

Ion Ratio Lower Upper

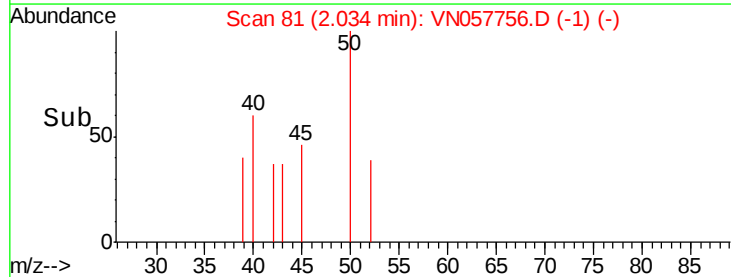
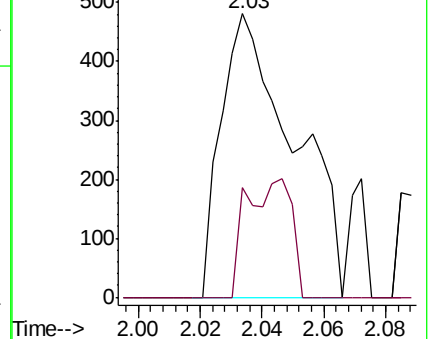
50 100

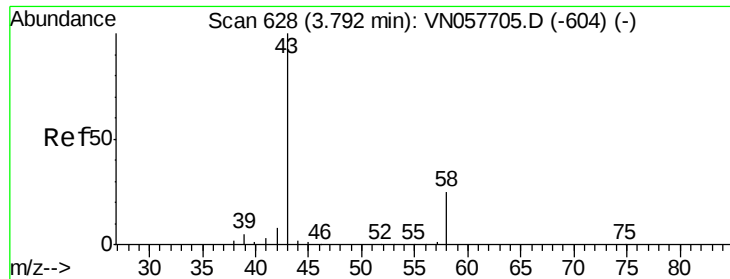
52 38.7 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC

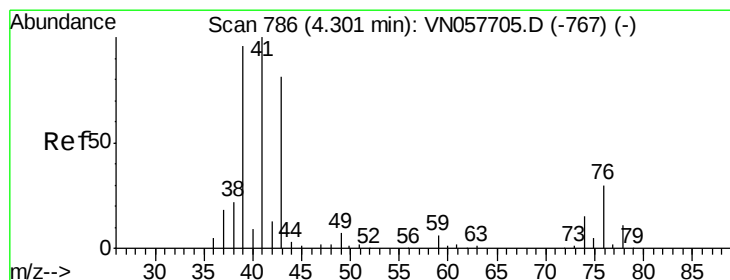
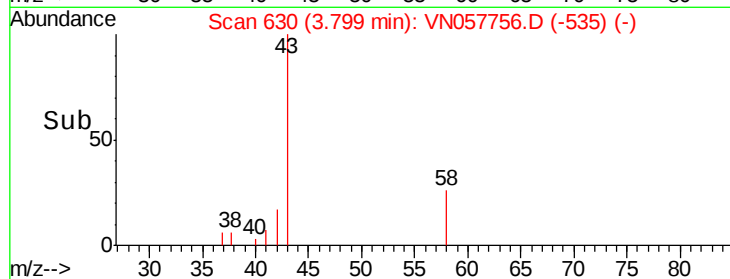
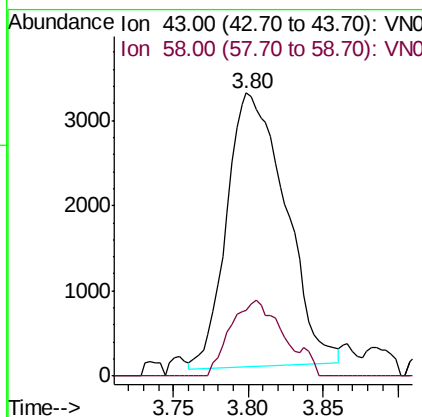
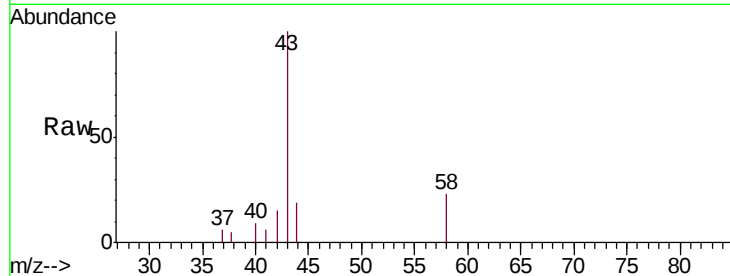




#16
Acetone
Concen: 5.724 ug/l
RT: 3.80 min Scan# 630
Delta R.T. 0.01 min
Lab File: VN057756.D
Acq: 7 Sep 2019 16:13

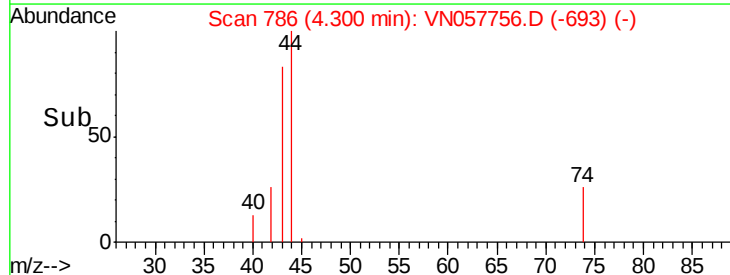
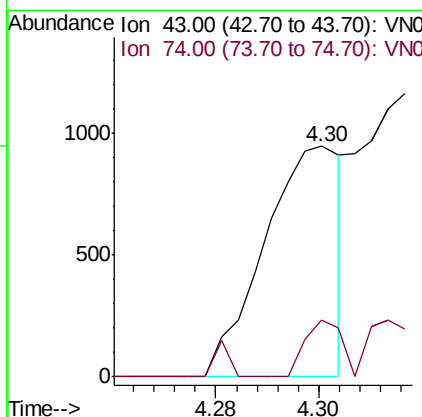
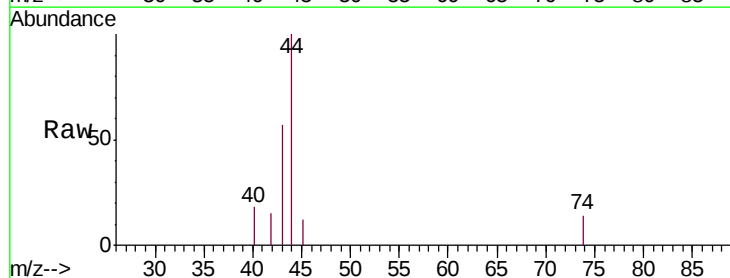
Instrument :
MSVOA_N
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T12-C2-(3.5)

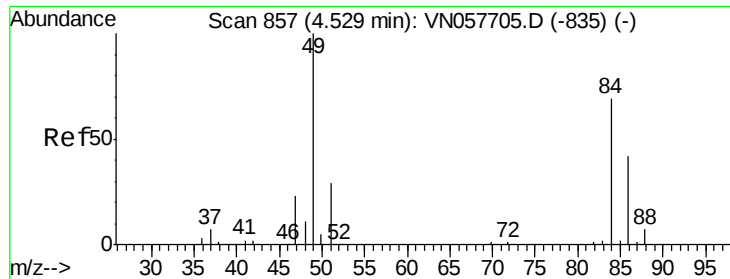
Tgt Ion: 43 Resp: 8769
Ion Ratio Lower Upper
43 100
58 24.4 19.8 29.8



#18
Methyl Acetate
Concen: 0.235 ug/l
RT: 4.30 min Scan# 786
Delta R.T. -0.00 min
Lab File: VN057756.D
Acq: 7 Sep 2019 16:13

Tgt Ion: 43 Resp: 977
Ion Ratio Lower Upper
43 100
74 11.7 15.3 22.9#

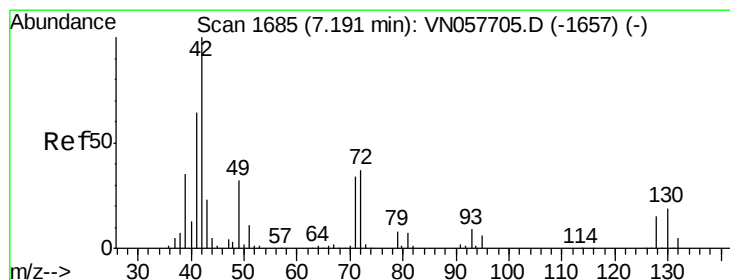
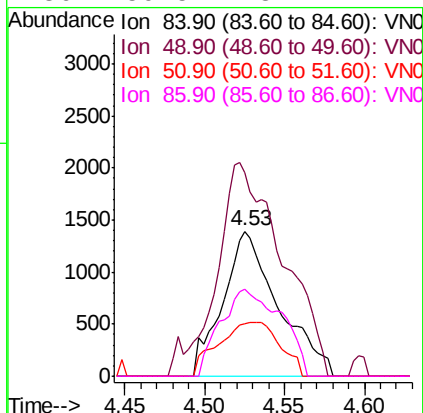
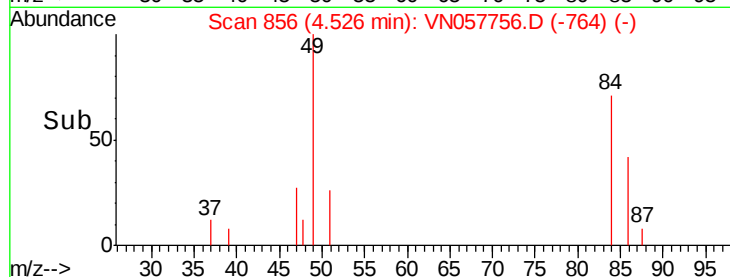
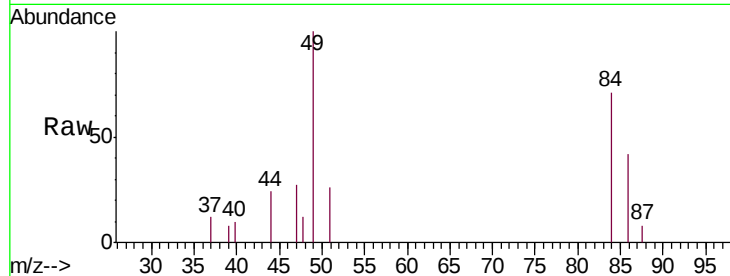




#20
Methylene Chloride
Concen: 1.006 ug/l
RT: 4.53 min Scan# 856
Delta R.T. -0.00 min
Lab File: VN057756.D
Acq: 7 Sep 2019 16:13

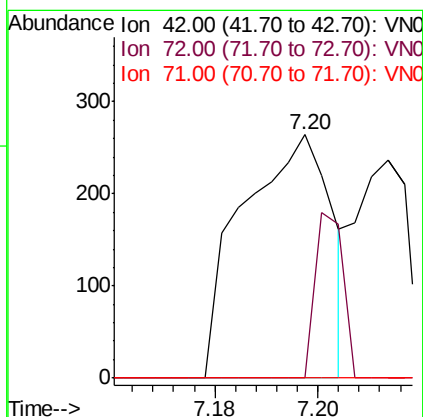
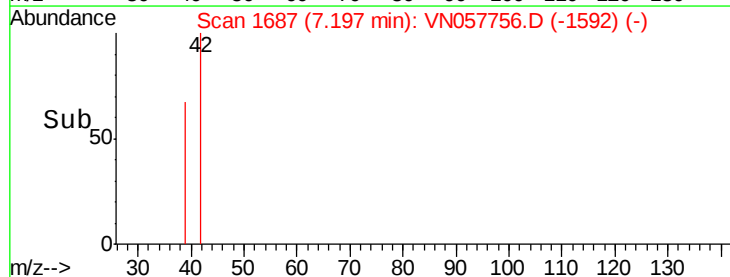
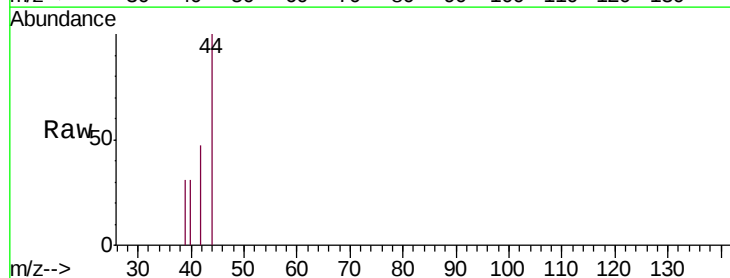
Instrument :
MSVOA_N
ClientSampled :
T12-C2-(3.5)

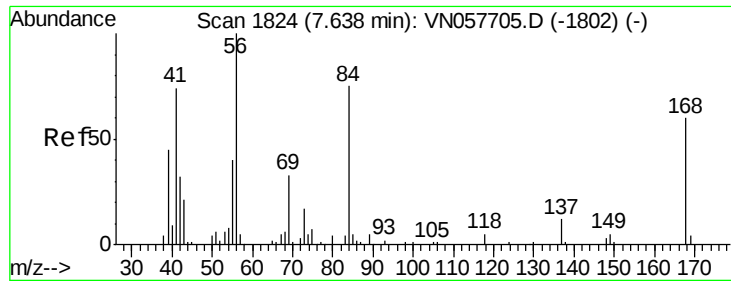
Tgt Ion: 84 Resp: 3333
Ion Ratio Lower Upper
84 100
49 140.4 115.0 172.6
51 36.4 33.8 50.8
86 59.5 48.2 72.2



#29
Tetrahydrofuran
Concen: 0.223 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.01 min
Lab File: VN057756.D
Acq: 7 Sep 2019 16:13

Tgt Ion: 42 Resp: 316
Ion Ratio Lower Upper
42 100
72 21.2 29.2 43.8#
71 0.0 27.0 40.4#

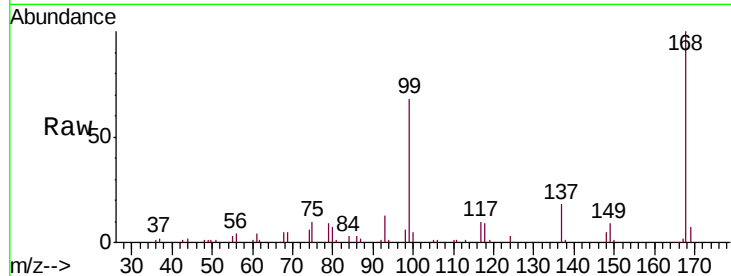




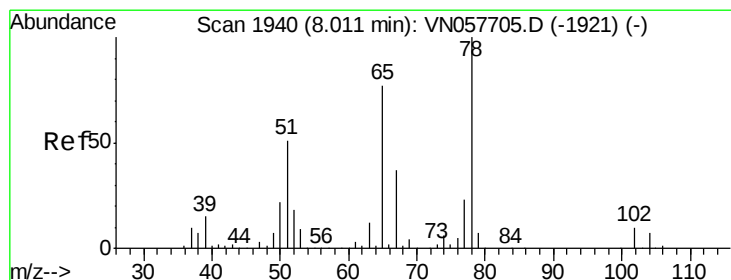
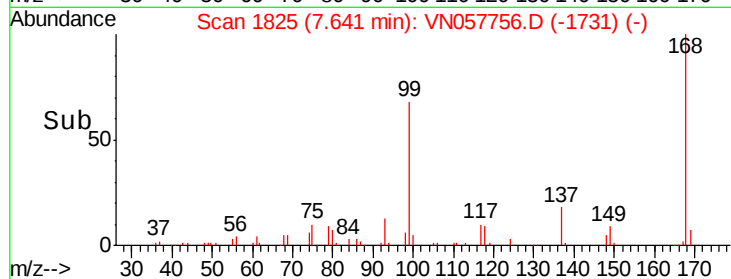
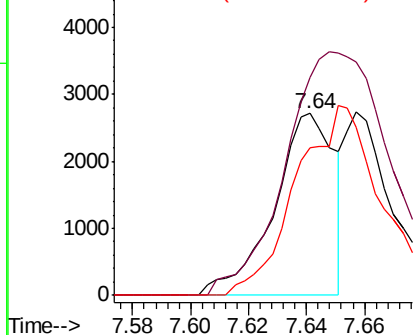
#31
Cyclohexane
Concen: 0.700 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.00 min
Lab File: VN057756.D
Acq: 7 Sep 2019 16:13

Instrument :
MSVOA_N
ClientSampled :
T12-C2-(3.5)

Tgt Ion: 56 Resp: 3912
Ion Ratio Lower Upper
56 100
69 119.6 26.2 39.2#
84 81.3 59.8 89.8

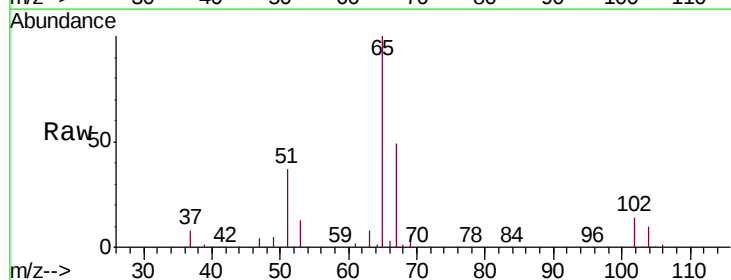


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

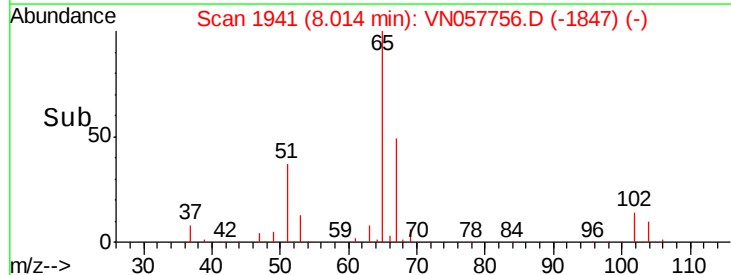
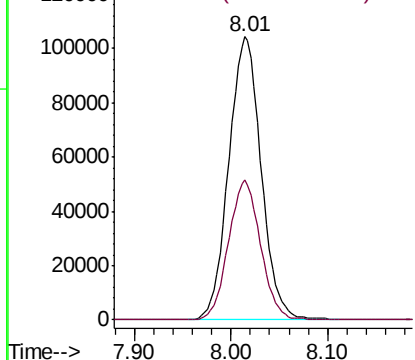


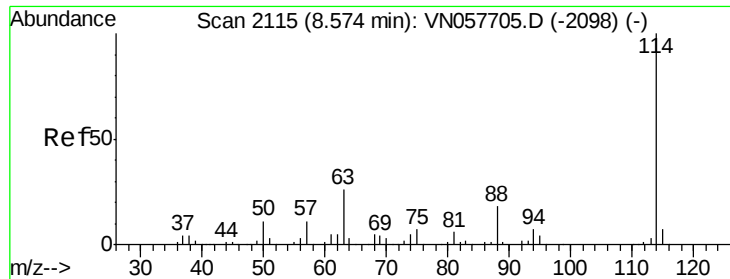
#33
1,2-Dichloroethane-d4
Concen: 48.771 ug/l
RT: 8.01 min Scan# 1941
Delta R.T. 0.00 min
Lab File: VN057756.D
Acq: 7 Sep 2019 16:13

Tgt Ion: 65 Resp: 242797
Ion Ratio Lower Upper
65 100
67 48.6 0.0 98.2



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

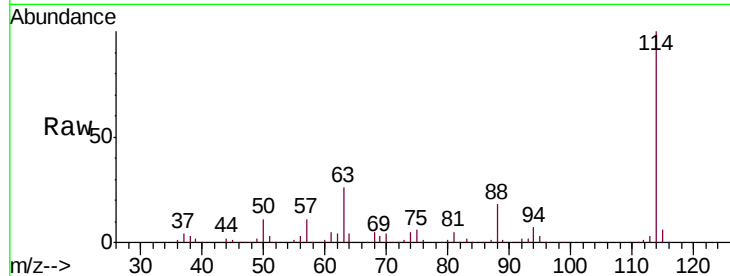




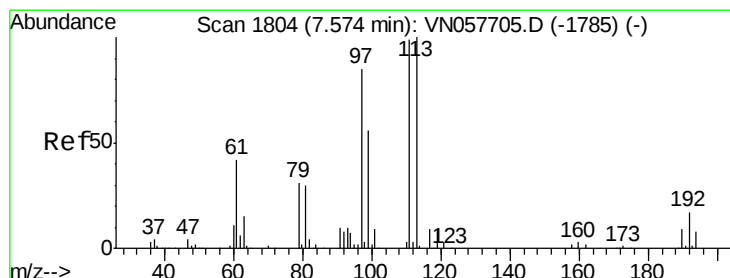
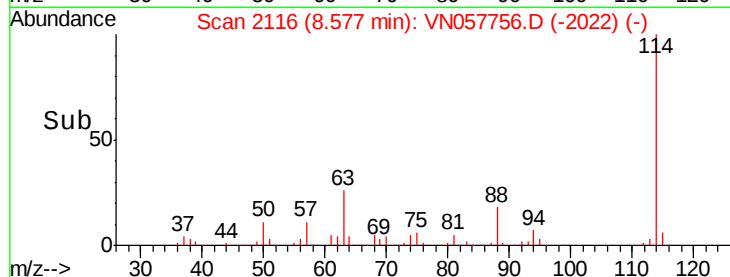
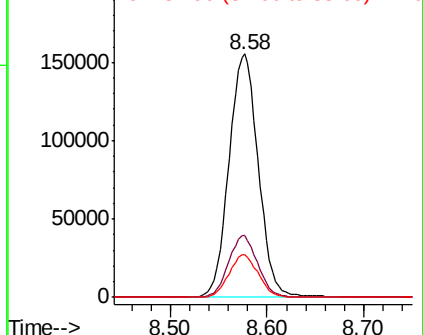
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057756.D
 Acq: 7 Sep 2019 16:13

Instrument :
 MSVOA_N
 ClientSampleId :
 T12-C2-(3.5)

Tgt Ion:114 Resp: 327500
 Ion Ratio Lower Upper
 114 100
 63 25.5 0.0 52.4
 88 17.7 0.0 35.4

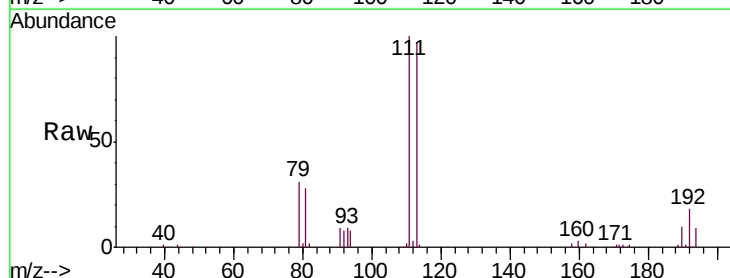


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

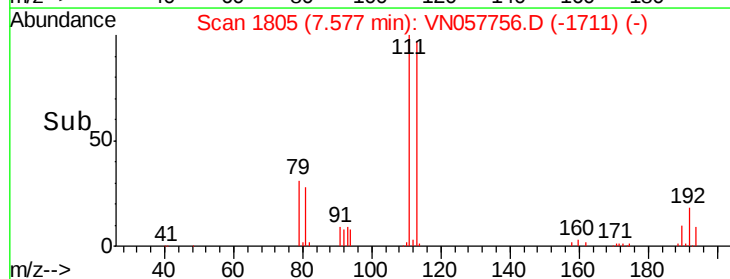
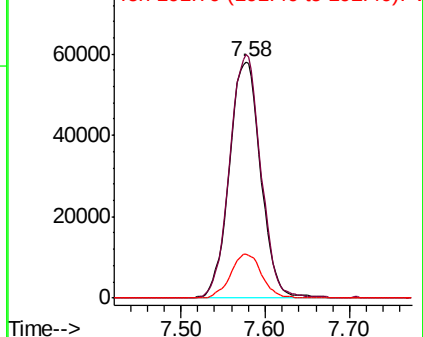


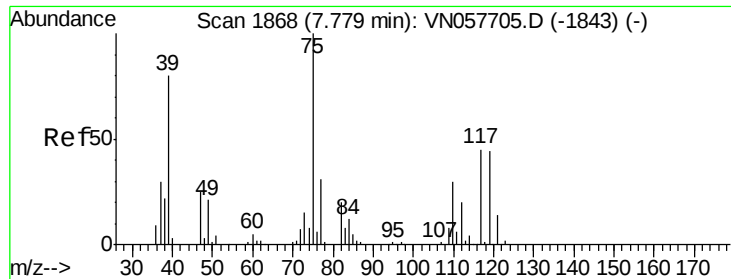
#35
 Dibromofluoromethane
 Concen: 50.519 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN057756.D
 Acq: 7 Sep 2019 16:13

Tgt Ion:113 Resp: 150699
 Ion Ratio Lower Upper
 113 100
 111 102.1 82.7 124.1
 192 18.3 13.8 20.6



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

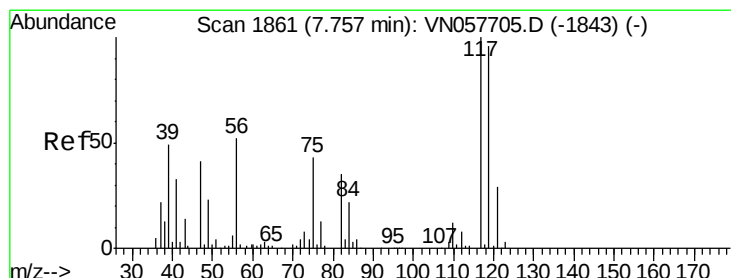
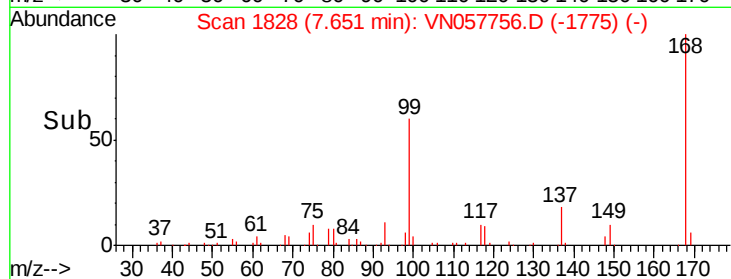
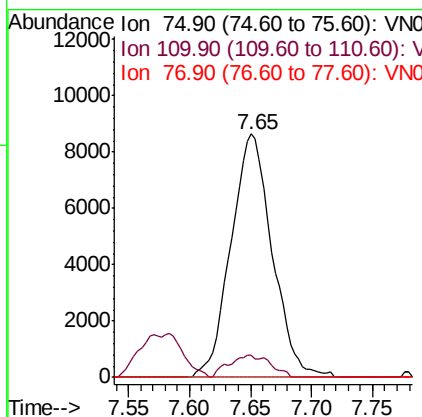
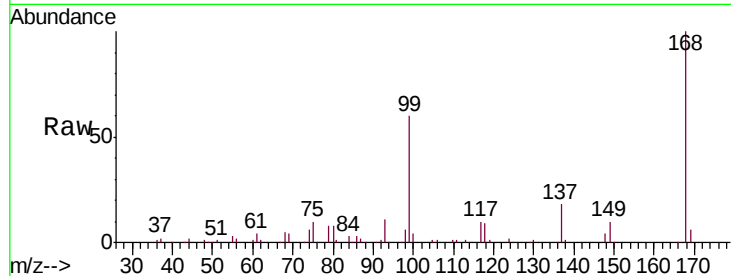




#36
 1,1-Dichloropropene
 Concen: 4.643 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.13 min
 Lab File: VN057756.D
 Acq: 7 Sep 2019 16:13

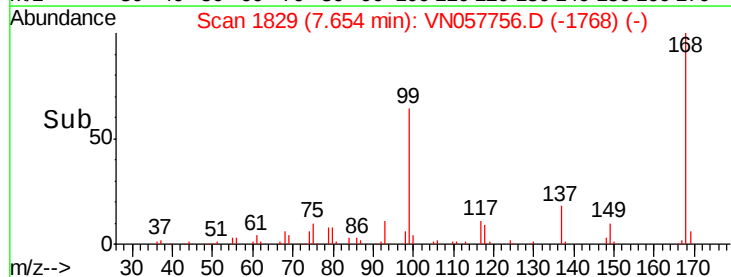
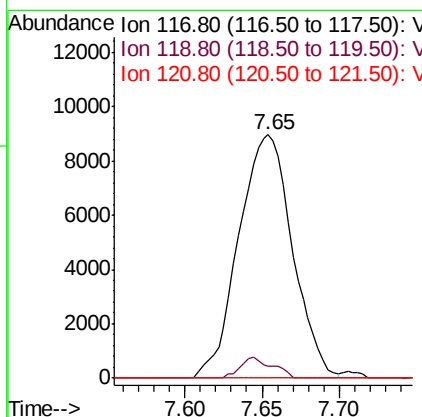
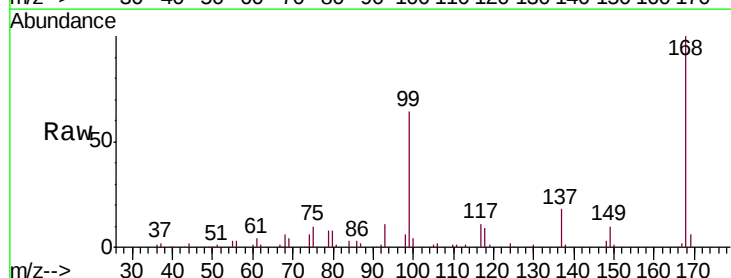
Instrument :
 MSVOA_N
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 T12-C2-(3.5)

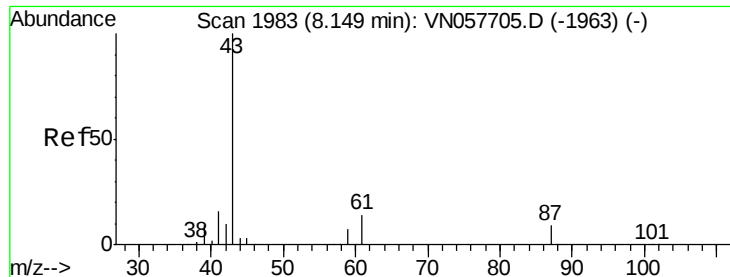
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.1	15.0	45.0#
77	0.0	24.6	37.0#



#38
 Carbon Tetrachloride
 Concen: 5.171 ug/l
 RT: 7.65 min Scan# 1829
 Delta R.T. -0.10 min
 Lab File: VN057756.D
 Acq: 7 Sep 2019 16:13

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.9	76.1	114.1#
121	0.0	23.4	35.2#





#43

Isopropyl Acetate

Concen: 5.527 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. 0.01 min

Lab File: VN057756.D

Acq: 7 Sep 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

T12-C2-(3.5)

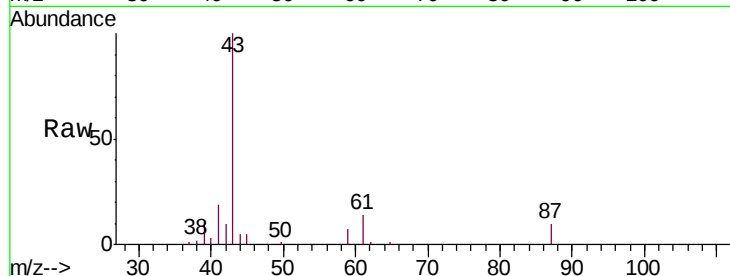
Tgt Ion: 43 Resp: 45887

Ion Ratio Lower Upper

43 100

61 15.4 12.8 19.2

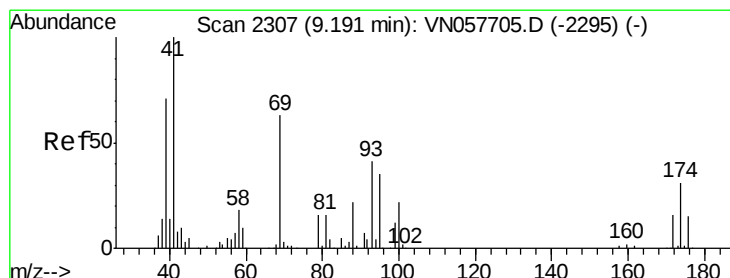
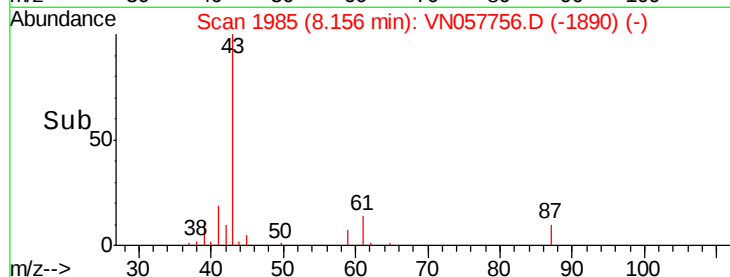
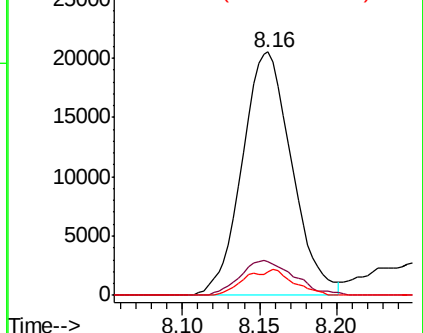
87 10.3 7.8 11.8



Abundance Ion 43.00 (42.70 to 43.70): VN057705.D (-1963) (-)

Ion 61.00 (60.70 to 61.70): VN057705.D (-1963) (-)

Ion 87.00 (86.70 to 87.70): VN057705.D (-1963) (-)



#48

Methyl methacrylate

Concen: 0.789 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. -0.01 min

Lab File: VN057756.D

Acq: 7 Sep 2019 16:13

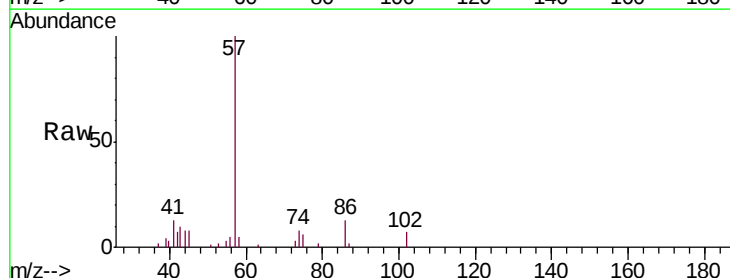
Tgt Ion: 41 Resp: 3370

Ion Ratio Lower Upper

41 100

69 0.0 51.2 76.8#

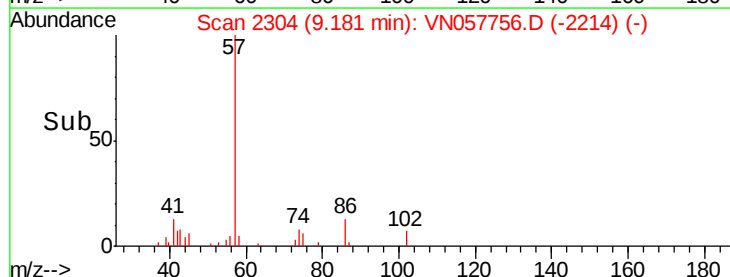
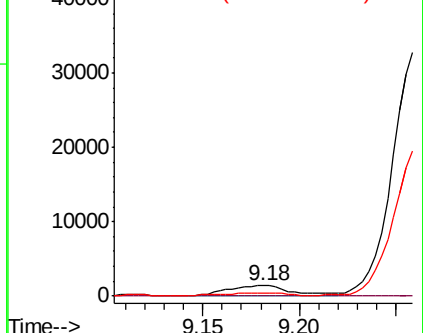
39 0.0 57.3 85.9#

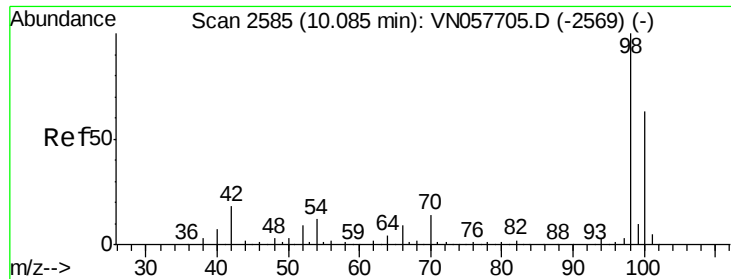


Abundance Ion 41.00 (40.70 to 41.70): VN057705.D (-2295) (-)

Ion 69.00 (68.70 to 69.70): VN057705.D (-2295) (-)

Ion 39.00 (38.70 to 39.70): VN057705.D (-2295) (-)





#50

Toluene-d8

Concen: 51.559 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN057756.D

Acq: 7 Sep 2019 16:13

Instrument :

MSVOA_N

ClientSampled :

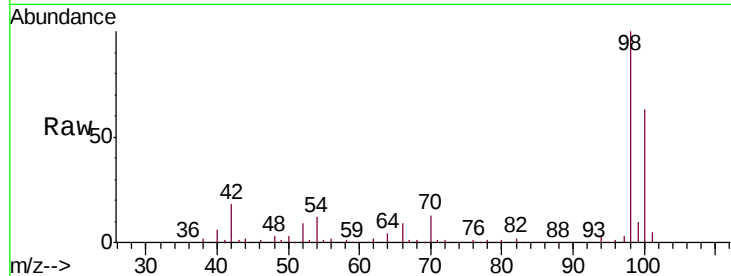
T12-C2-(3.5)

Tgt Ion: 98 Resp: 568955

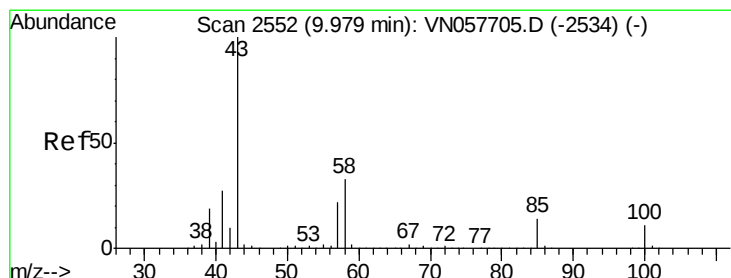
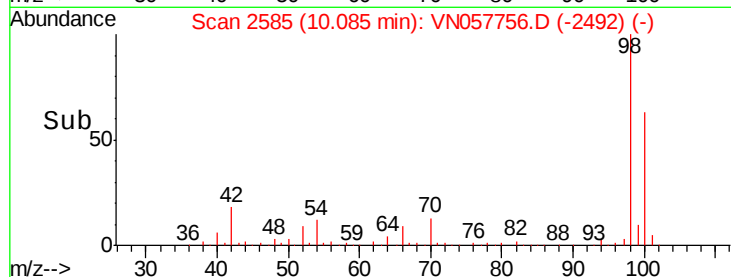
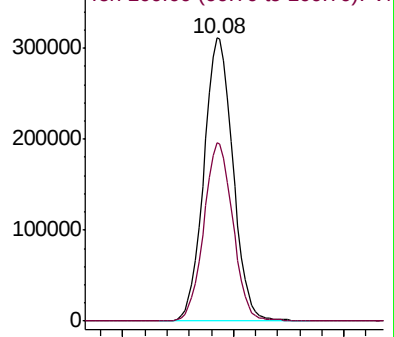
Ion Ratio Lower Upper

98 100

100 63.1 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN057705.D (-2569) (-)



#51

4-Methyl-2-Pentanone

Concen: 0.978 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN057756.D

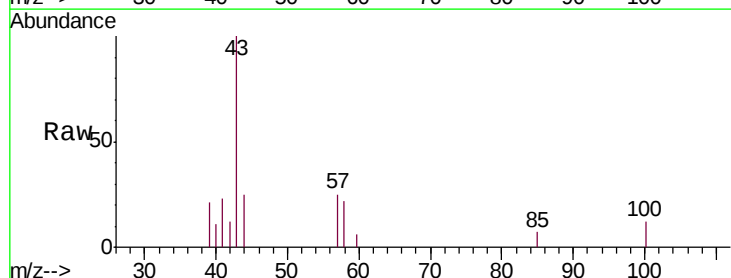
Acq: 7 Sep 2019 16:13

Tgt Ion: 43 Resp: 4509

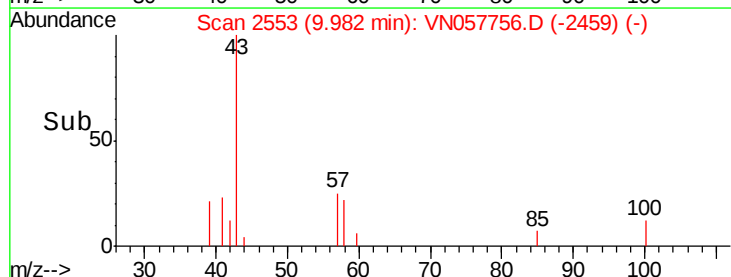
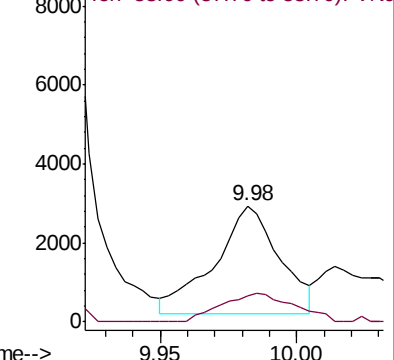
Ion Ratio Lower Upper

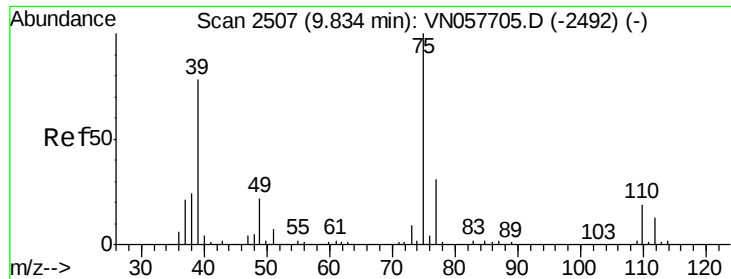
43 100

58 29.9 25.8 38.8



Abundance Ion 43.00 (42.70 to 43.70): VN057705.D (-2534) (-)



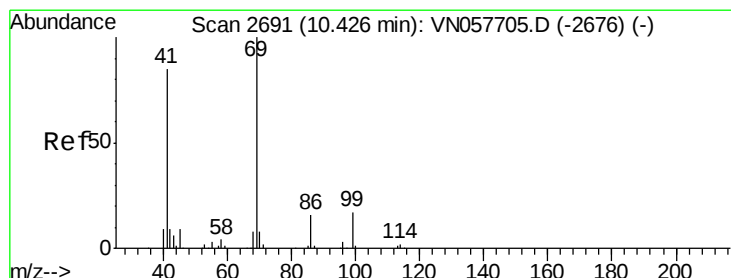
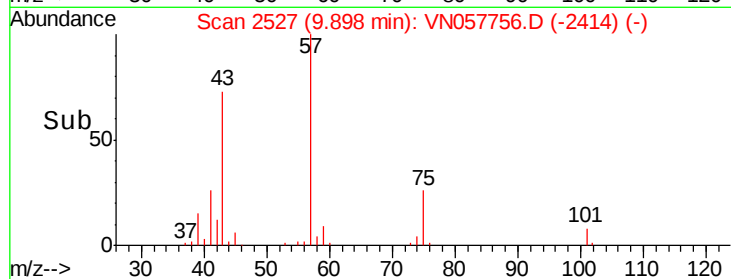
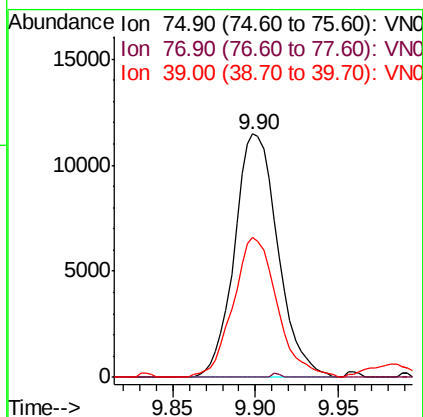
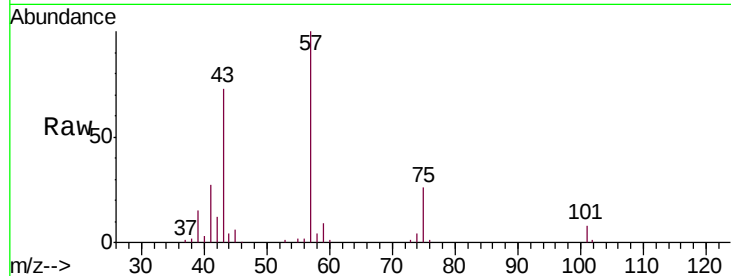


#54

cis-1,3-Dichloropropene
 Concen: 4.107 ug/l
 RT: 9.90 min Scan# 2527
 Delta R.T. 0.06 min
 Lab File: VN057756.D
 Acq: 7 Sep 2019 16:13

Instrument :
 MSVOA_N
 ClientSampled :
 T12-C2-(3.5)

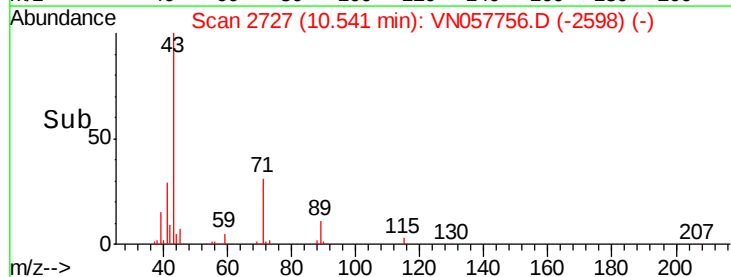
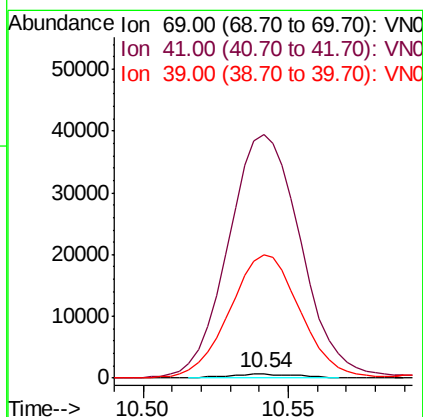
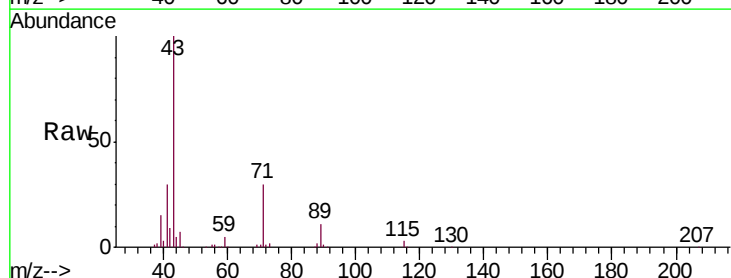
Tgt Ion: 75 Resp: 20915
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.1 37.7#
 39 57.4 62.4 93.6#

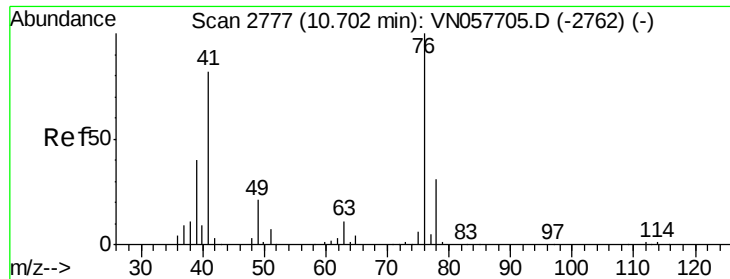


#56

Ethyl methacrylate
 Concen: 0.219 ug/l
 RT: 10.54 min Scan# 2727
 Delta R.T. 0.12 min
 Lab File: VN057756.D
 Acq: 7 Sep 2019 16:13

Tgt Ion: 69 Resp: 1053
 Ion Ratio Lower Upper
 69 100
 41 6579.7 69.0 103.4#
 39 3231.4 49.2 73.8#

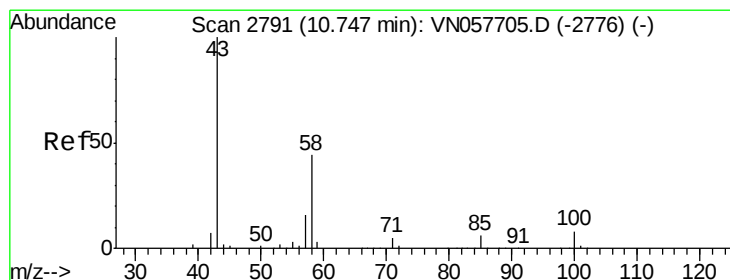
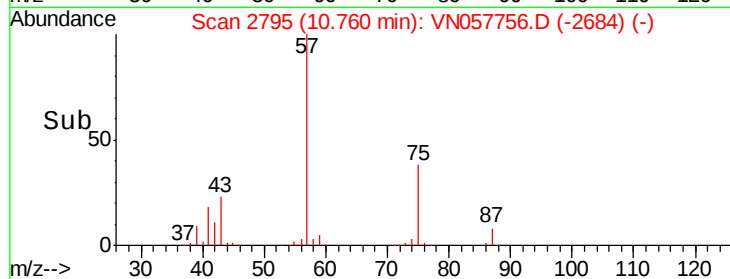
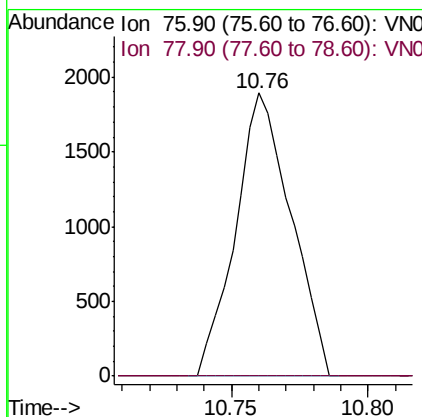
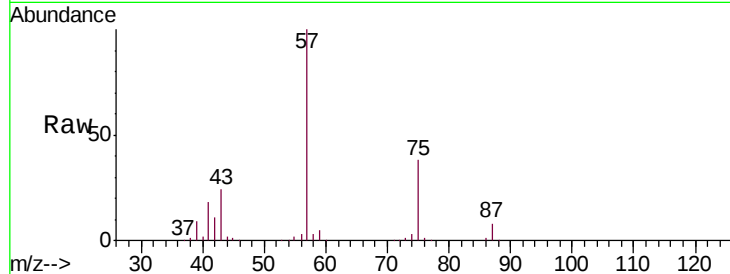




#57
 1,3-Dichloropropane
 Concen: 0.495 ug/l
 RT: 10.76 min Scan# 2795
 Delta R.T. 0.06 min
 Lab File: VN057756.D
 Acq: 7 Sep 2019 16:13

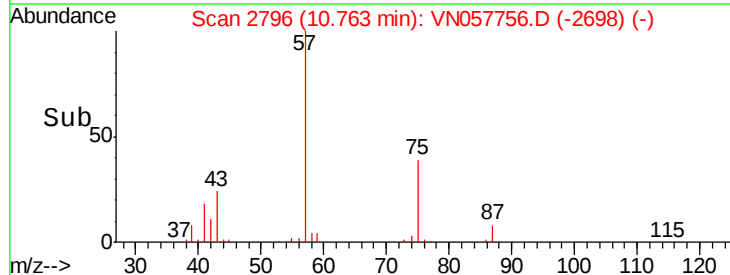
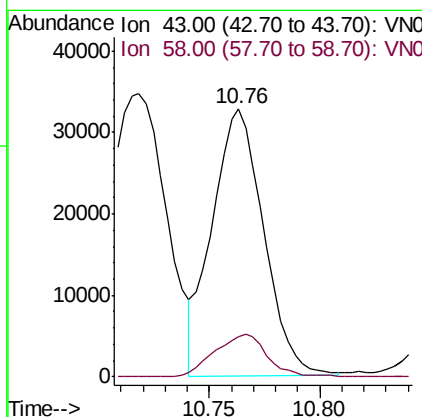
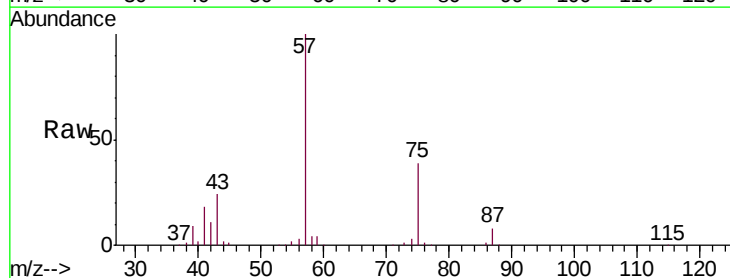
Instrument :
 MSVOA_N
 ClientSampleId :
 T12-C2-(3.5)

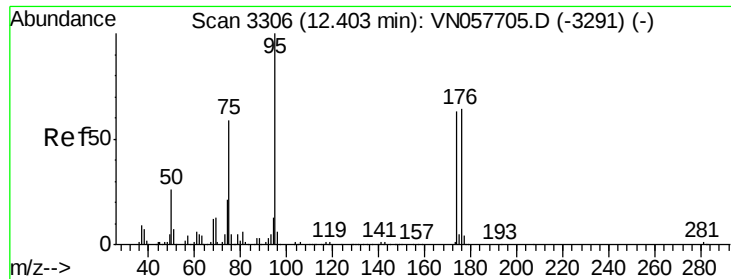
Tgt Ion: 76 Resp: 2671
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.5 38.3#



#59
 2-Hexanone
 Concen: 16.331 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.02 min
 Lab File: VN057756.D
 Acq: 7 Sep 2019 16:13

Tgt Ion: 43 Resp: 53098
 Ion Ratio Lower Upper
 43 100
 58 16.3 22.1 66.5#





#62

4-Bromofluorobenzene

Concen: 44.209 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.00 min

Lab File: VN057756.D

Acq: 7 Sep 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

T12-C2-(3.5)

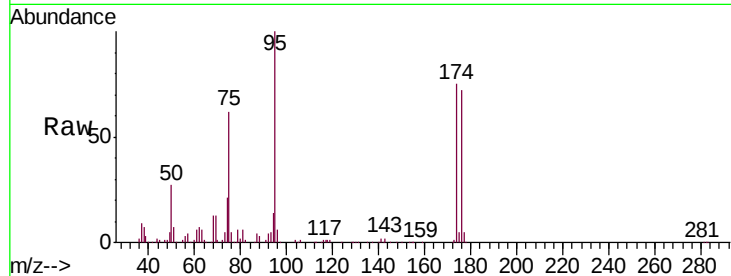
Tgt Ion: 95 Resp: 202625

Ion Ratio Lower Upper

95 100

174 74.4 0.0 128.0

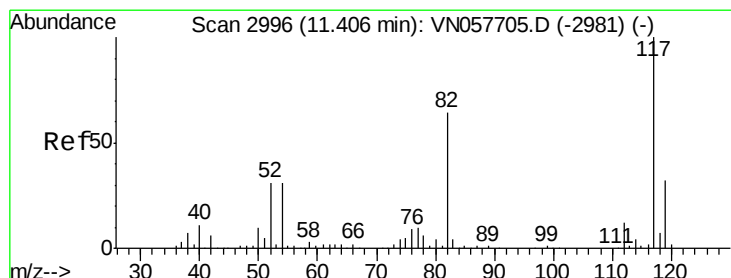
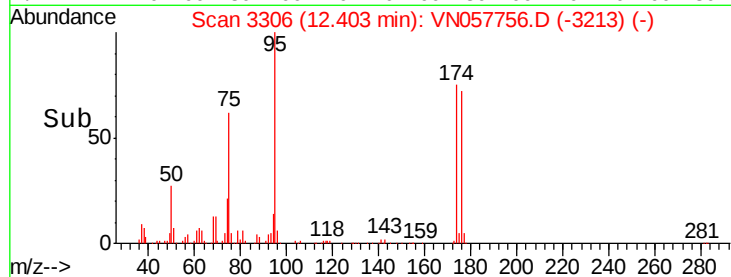
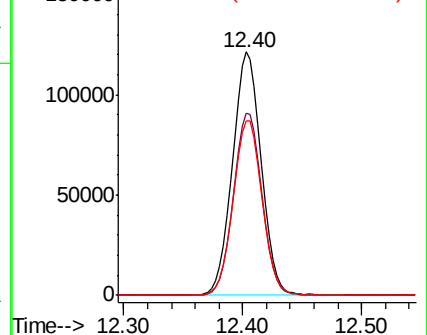
176 72.4 0.0 128.0



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# 2996

Delta R.T. -0.00 min

Lab File: VN057756.D

Acq: 7 Sep 2019 16:13

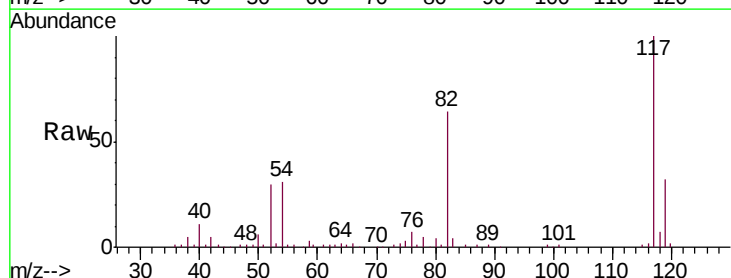
Tgt Ion: 117 Resp: 297996

Ion Ratio Lower Upper

117 100

82 63.7 51.4 77.0

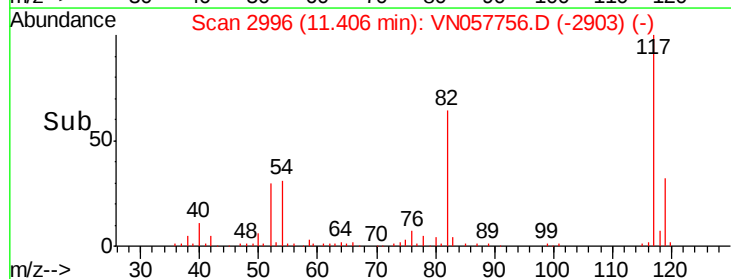
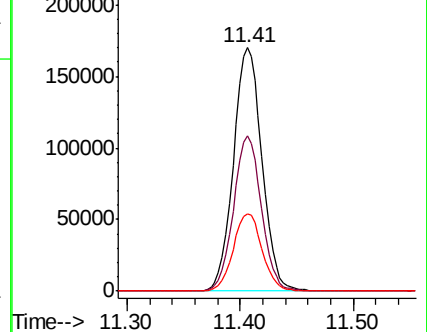
119 31.9 25.4 38.2

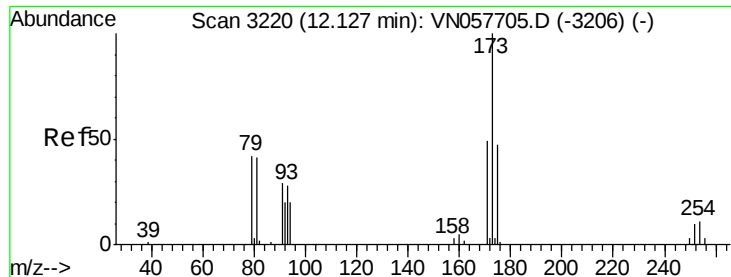


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0





#71

Bromoform

Concen: 3.415 ug/l

RT: 12.39 min Scan# 3302

Delta R.T. 0.26 min

Lab File: VN057756.D

Acq: 7 Sep 2019 16:13

Instrument :

MSVOA_N

ClientSampled :

T12-C2-(3.5)

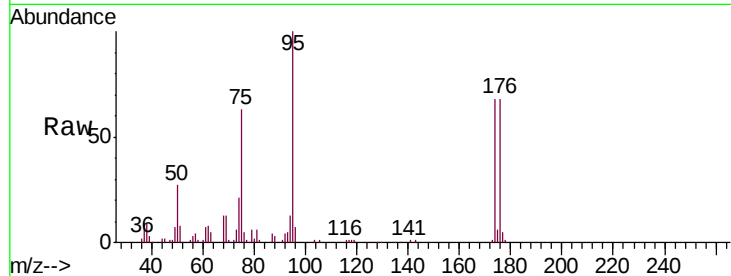
Tgt Ion:173 Resp: 374

Ion Ratio Lower Upper

173 100

175 0.0 24.6 73.8#

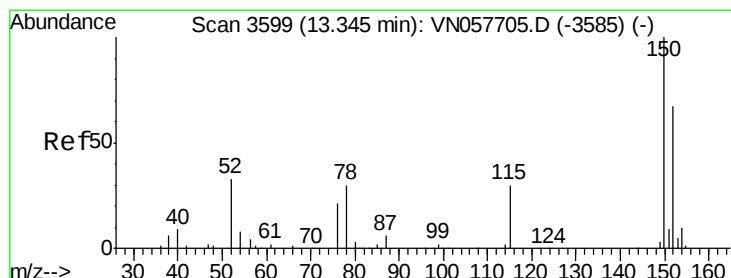
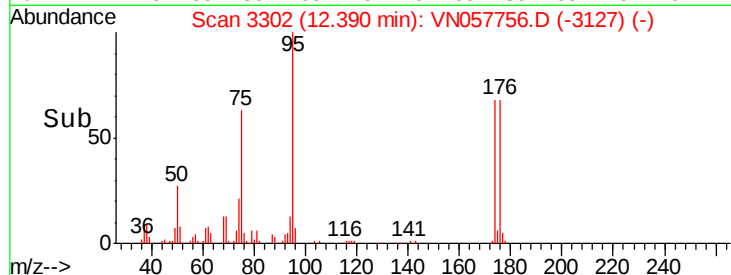
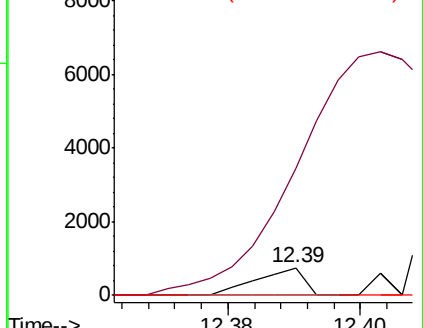
254 0.0 0.0 0.0



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: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN057756.D

Acq: 7 Sep 2019 16:13

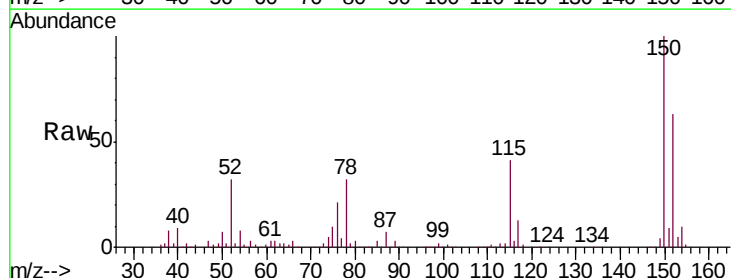
Tgt Ion:152 Resp: 153435

Ion Ratio Lower Upper

152 100

115 63.9 33.8 101.3

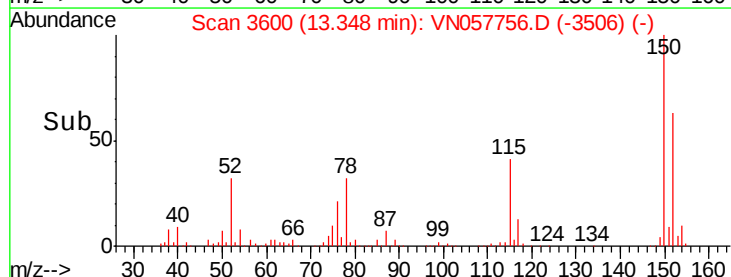
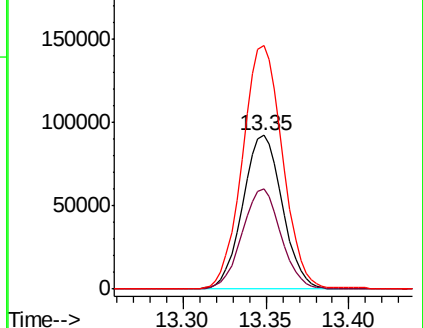
150 159.3 0.0 345.4

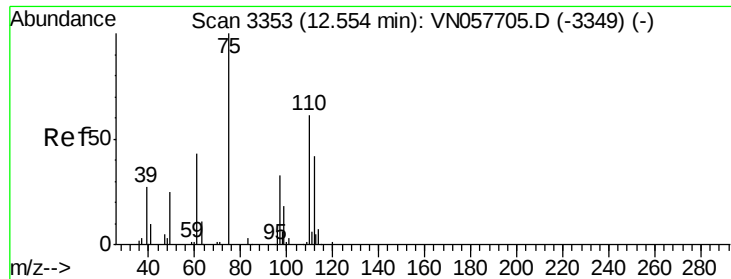


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 35.290 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN057756.D

Acq: 7 Sep 2019 16:13

Instrument :

MSVOA_N

ClientSampleId :

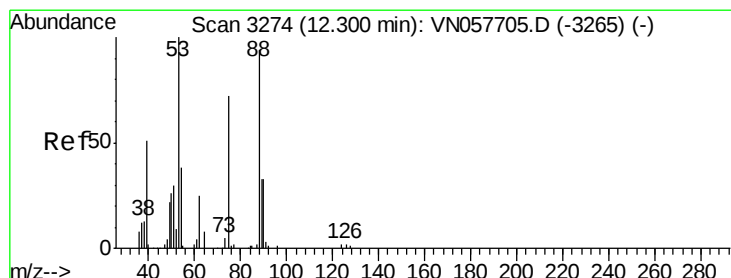
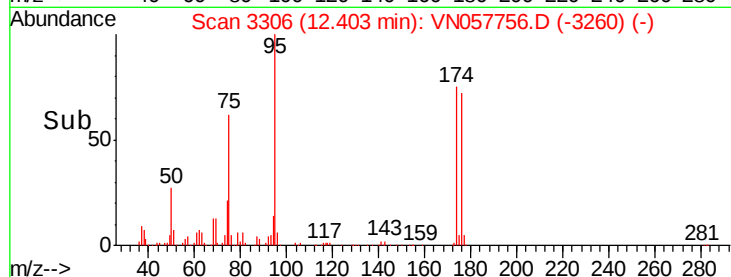
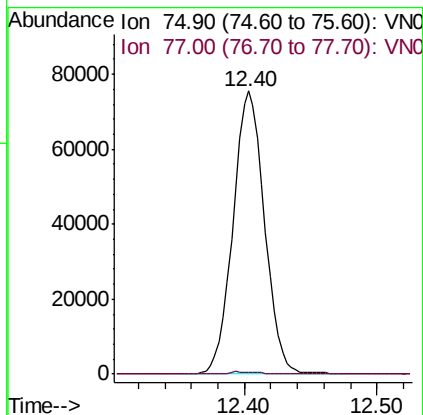
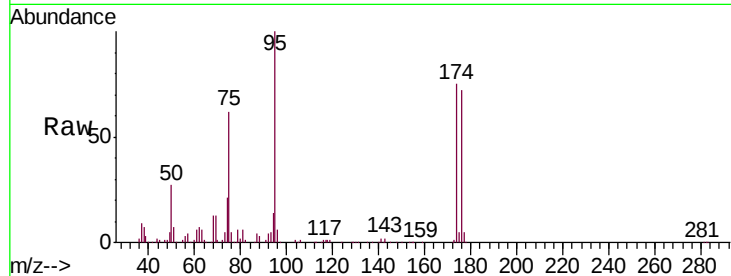
T12-C2-(3.5)

Tgt Ion: 75 Resp: 124342

Ion Ratio Lower Upper

75 100

77 0.5 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 109.752 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN057756.D

Acq: 7 Sep 2019 16:13

Tgt Ion: 75 Resp: 124342

Ion Ratio Lower Upper

75 100

53 0.0 107.0 160.6#

89 0.0 36.5 54.7#

