

Data File : VN057757.D
Acq On : 7 Sep 2019 16:35
Operator : JC/SP
Sample : K4581-28
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
T12-C3-(3.5)

Quant Time: Sep 08 06:36:31 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	202492	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	316916	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	300220	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	153392	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	242220	49.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.34%	
35) Dibromofluoromethane	7.58	113	149003	51.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.24%	
50) Toluene-d8	10.09	98	569248	53.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.62%	
62) 4-Bromofluorobenzene	12.40	95	204860	46.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.38%	

Target Compounds

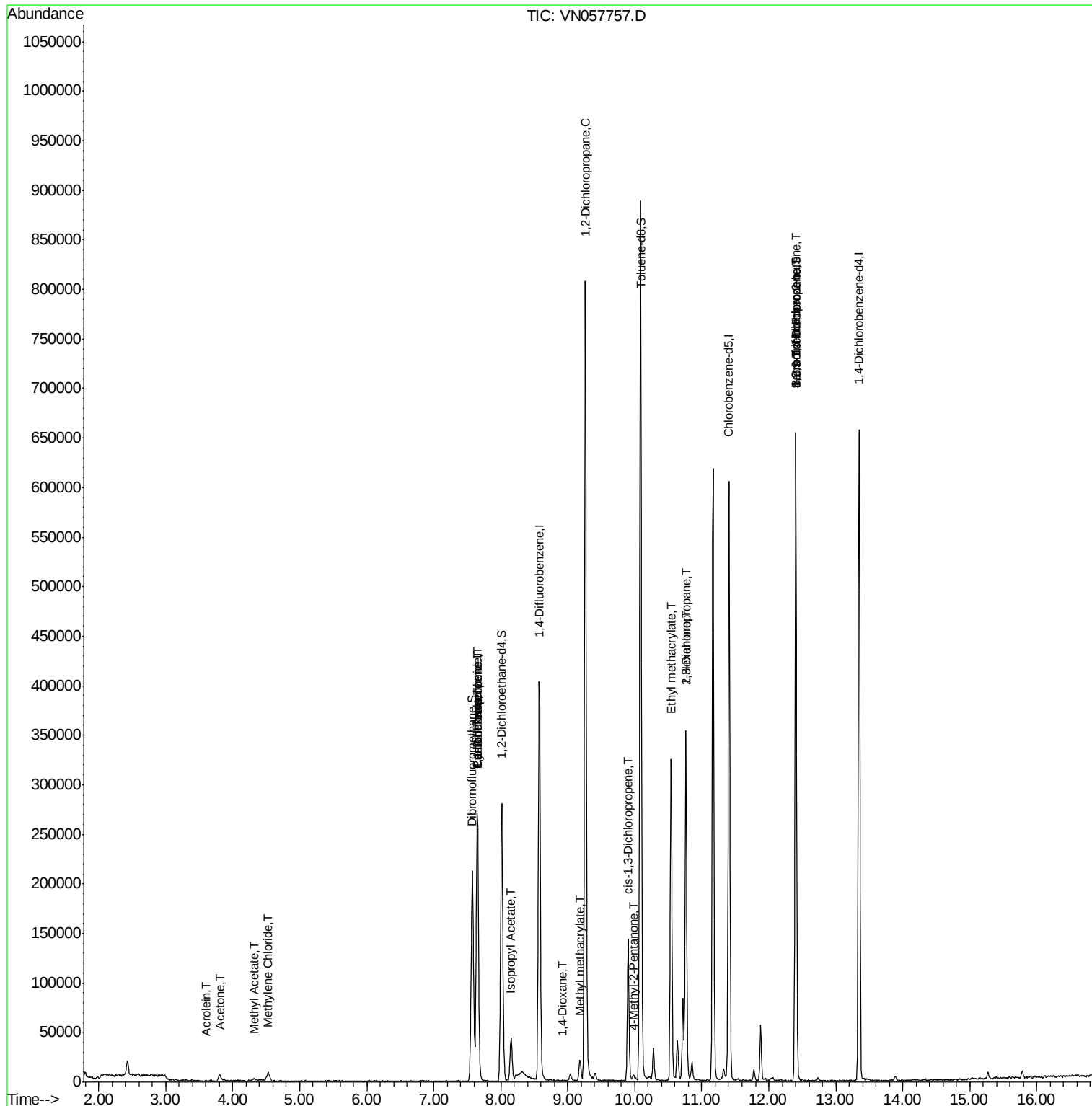
						Qvalue
3) Chloromethane	2.03	50	379	Below Cal	#	42
13) Acrolein	3.60	56	63	0.237	ug/l #	15
16) Acetone	3.81	43	11147	7.353	ug/l	94
18) Methyl Acetate	4.30	43	832	0.202	ug/l #	31
20) Methylene Chloride	4.53	84	5509	1.681	ug/l #	83
31) Cyclohexane	7.65	56	6343	1.147	ug/l #	42
36) 1,1-Dichloropropene	7.65	75	18409	4.366	ug/l #	48
38) Carbon Tetrachloride	7.65	117	21853	5.413	ug/l #	15
43) Isopropyl Acetate	8.15	43	54805	6.822	ug/l	100
45) 1,2-Dichloropropane	9.26	63	740	0.222	ug/l #	44
48) Methyl methacrylate	9.18	41	3801	0.920	ug/l #	16
49) 1,4-Dioxane	8.93	88	36	0.749	ug/l #	19
51) 4-Methyl-2-Pentanone	9.98	43	4147	0.929	ug/l #	68
54) cis-1,3-Dichloropropene	9.90	75	20083	4.075	ug/l #	65
56) Ethyl methacrylate	10.54	69	1086	0.234	ug/l #	1
57) 1,3-Dichloropropane	10.76	76	3072	0.588	ug/l #	43
59) 2-Hexanone	10.76	43	59847	19.022	ug/l #	56
71) Bromoform	12.39	173	458	3.452	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	121847	34.592	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	121847	107.580	ug/l #	1

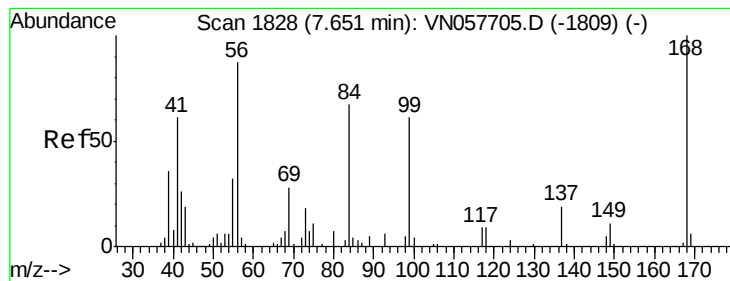
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN057757.D

Acq: 7 Sep 2019 16:35

Instrument :

MSVOA_N

ClientSampleId :

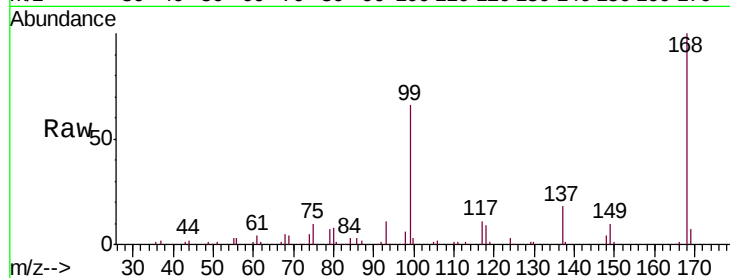
T12-C3-(3.5)

Tgt Ion:168 Resp: 202492

Ion Ratio Lower Upper

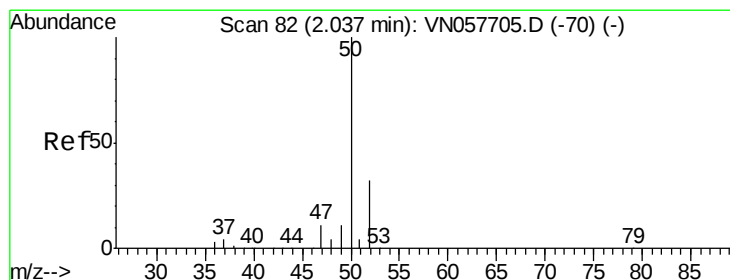
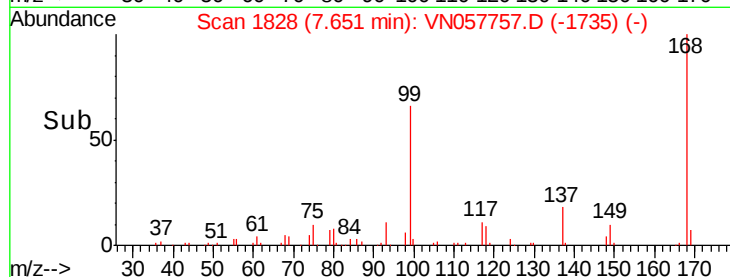
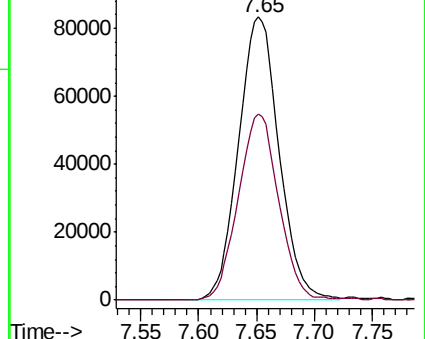
168 100

99 65.8 57.4 86.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#3

Chloromethane

Concen: Below Cal

RT: 2.03 min Scan# 80

Delta R.T. -0.01 min

Lab File: VN057757.D

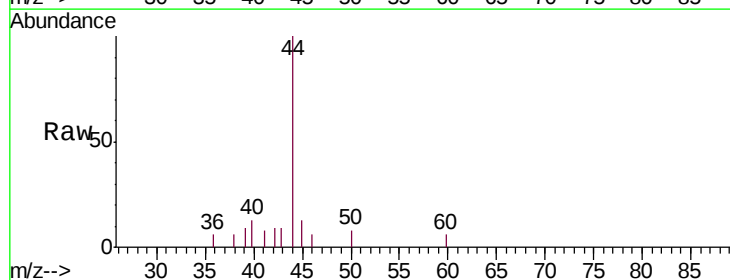
Acq: 7 Sep 2019 16:35

Tgt Ion: 50 Resp: 379

Ion Ratio Lower Upper

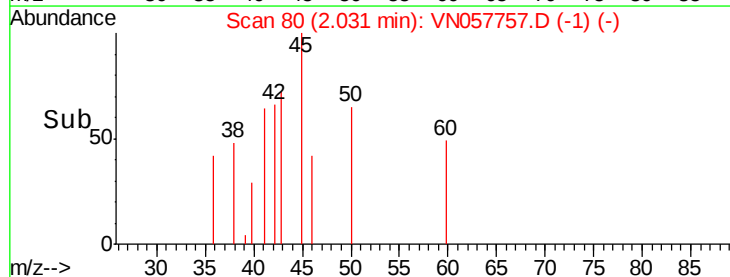
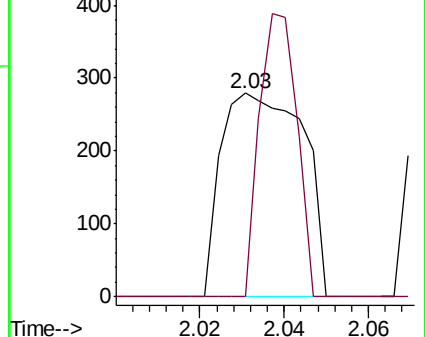
50 100

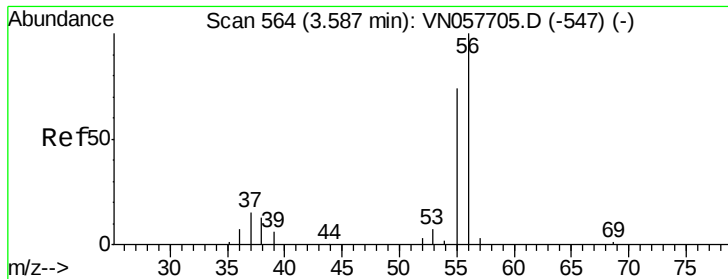
52 0.0 26.0 39.0#



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN





#13

Acrolein

Concen: 0.237 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.01 min

Lab File: VN057757.D

Acq: 7 Sep 2019 16:35

Instrument :

MSVOA_N

ClientSampleId :

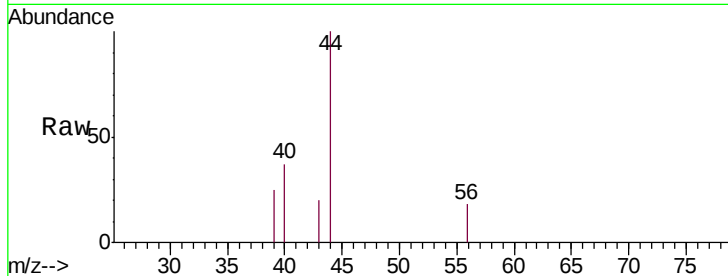
T12-C3-(3.5)

Tgt Ion: 56 Resp: 63

Ion Ratio Lower Upper

56 100

55 0.0 55.4 83.0#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

200

150

100

50

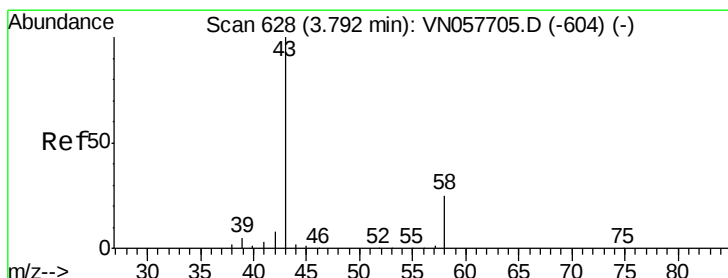
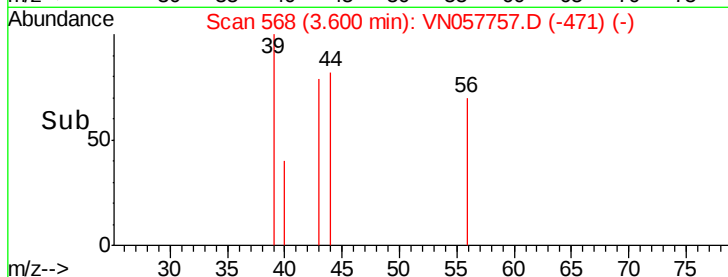
0

3.59

3.60

3.61

Time-->



#16

Acetone

Concen: 7.353 ug/l

RT: 3.81 min Scan# 632

Delta R.T. 0.01 min

Lab File: VN057757.D

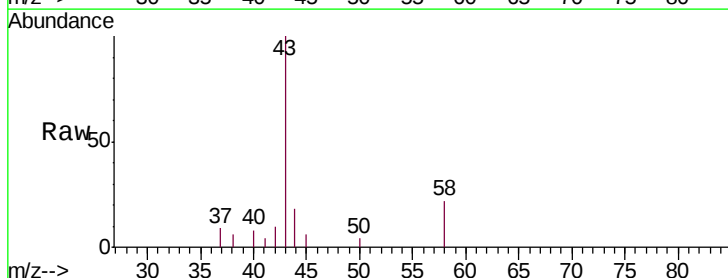
Acq: 7 Sep 2019 16:35

Tgt Ion: 43 Resp: 11147

Ion Ratio Lower Upper

43 100

58 21.9 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

4000

3000

2000

1000

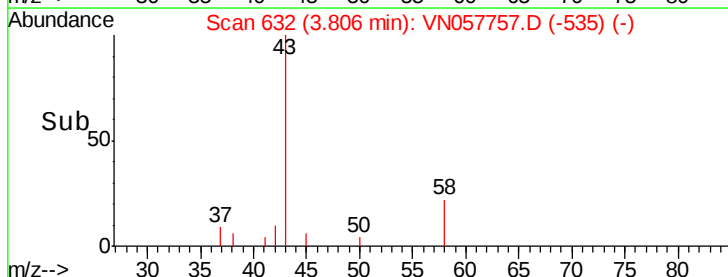
0

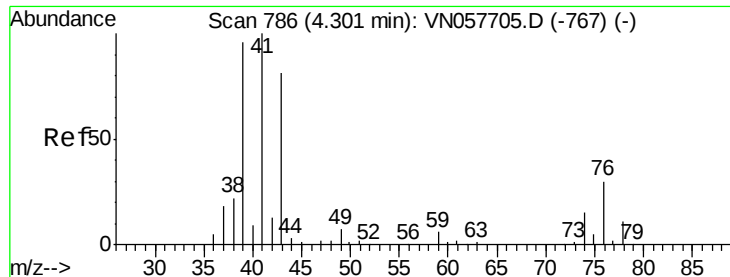
3.75

3.80

3.85

Time-->

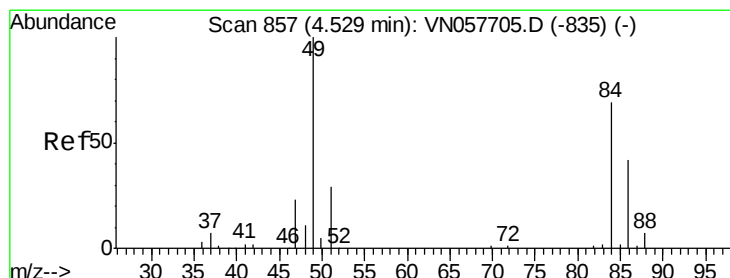
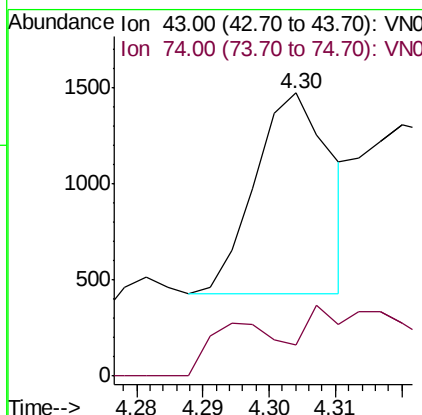
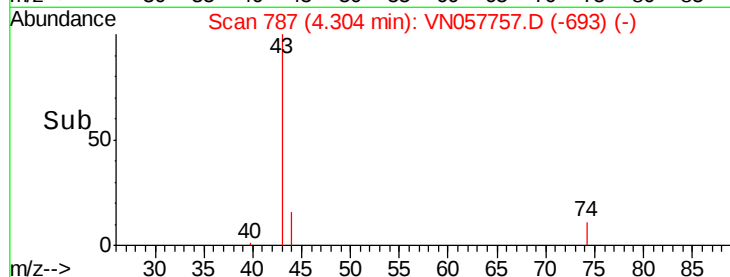
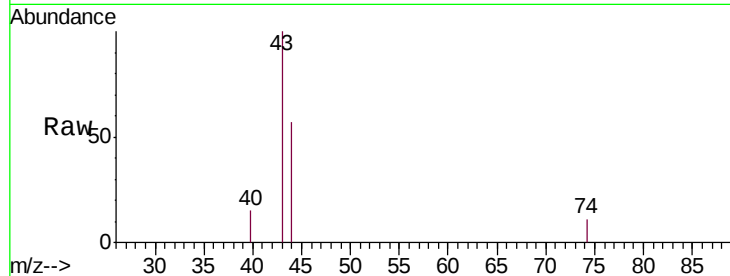




#18
Methyl Acetate
Concen: 0.202 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.00 min
Lab File: VN057757.D
Acq: 7 Sep 2019 16:35

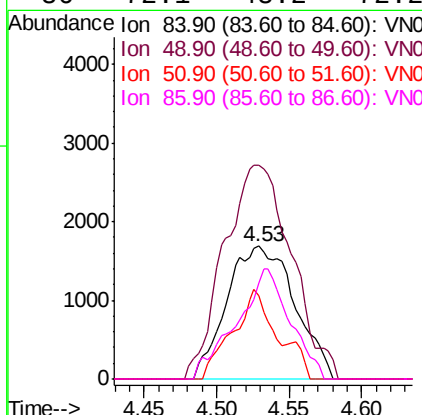
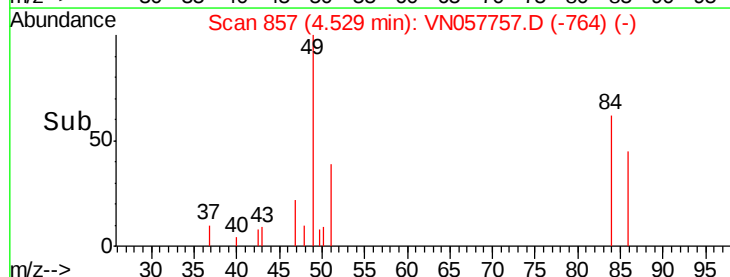
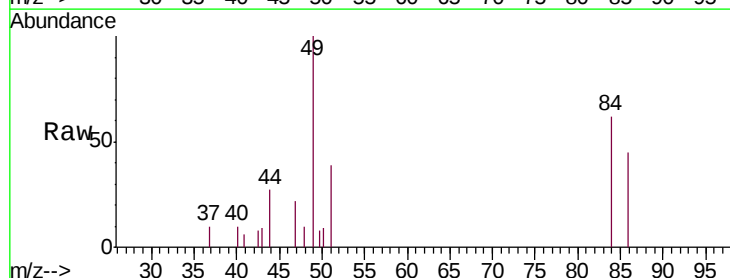
Instrument :
MSVOA_N
ClientSampled :
T12-C3-(3.5)

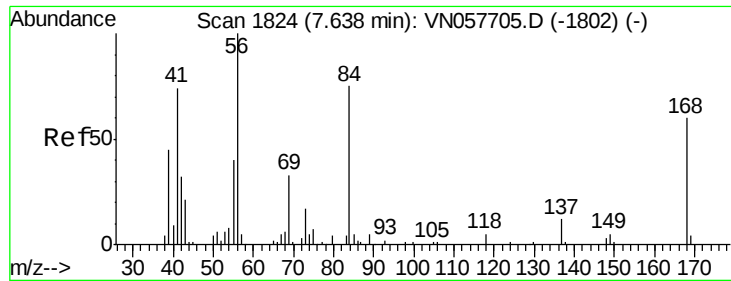
Tgt Ion: 43 Resp: 832
Ion Ratio Lower Upper
43 100
74 50.5 15.3 22.9#



#20
Methylene Chloride
Concen: 1.681 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN057757.D
Acq: 7 Sep 2019 16:35

Tgt Ion: 84 Resp: 5509
Ion Ratio Lower Upper
84 100
49 160.6 115.0 172.6
51 62.2 33.8 50.8#
86 72.1 48.2 72.2

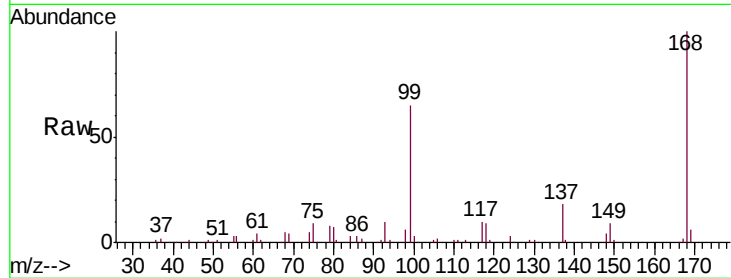




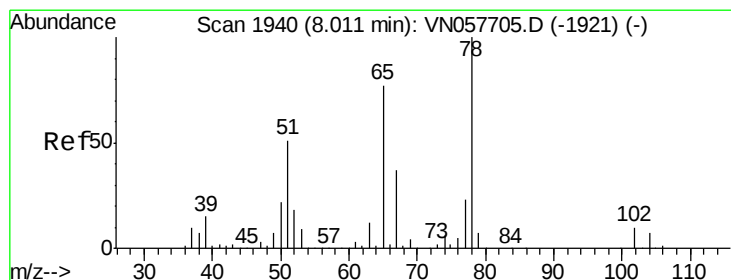
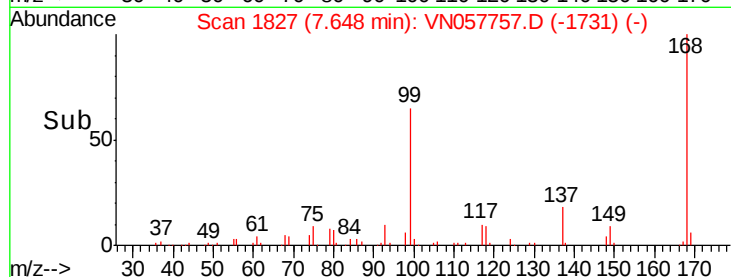
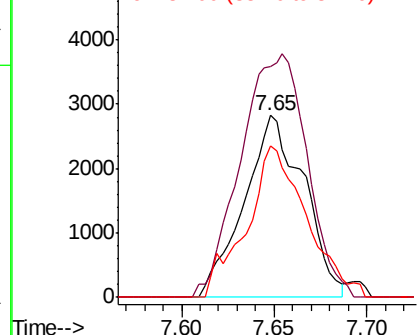
#31
Cyclohexane
Concen: 1.147 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.01 min
Lab File: VN057757.D
Acq: 7 Sep 2019 16:35

Instrument :
MSVOA_N
ClientSampleId :
T12-C3-(3.5)

Tgt Ion: 56 Resp: 6343
Ion Ratio Lower Upper
56 100
69 127.0 26.2 39.2#
84 83.2 59.8 89.8

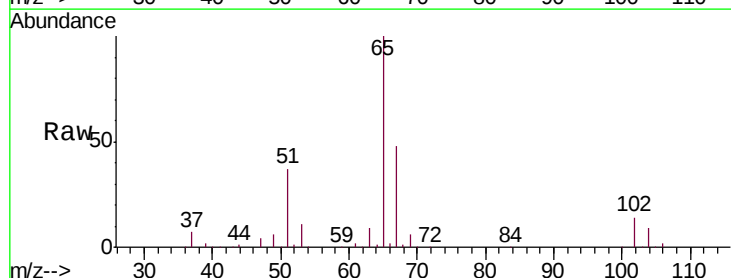


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

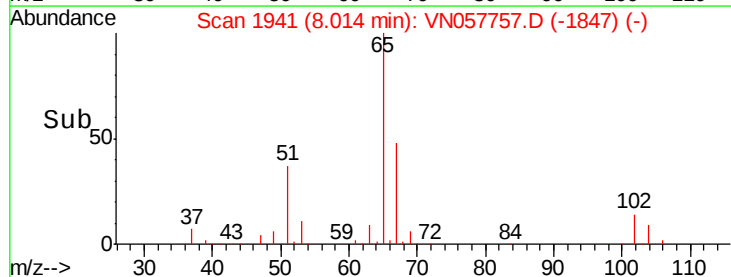
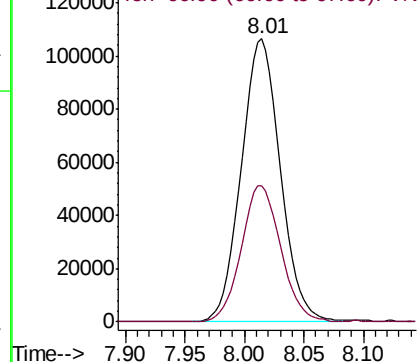


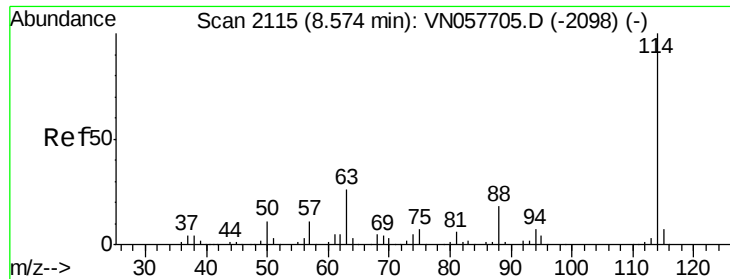
#33
1,2-Dichloroethane-d4
Concen: 49.172 ug/l
RT: 8.01 min Scan# 1941
Delta R.T. 0.00 min
Lab File: VN057757.D
Acq: 7 Sep 2019 16:35

Tgt Ion: 65 Resp: 242220
Ion Ratio Lower Upper
65 100
67 48.7 0.0 98.2



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

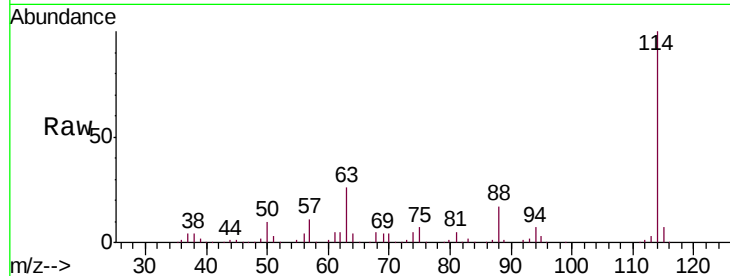




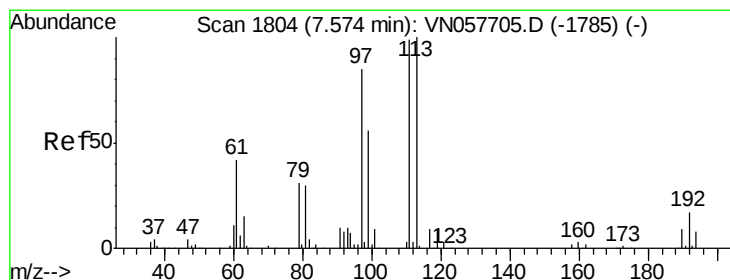
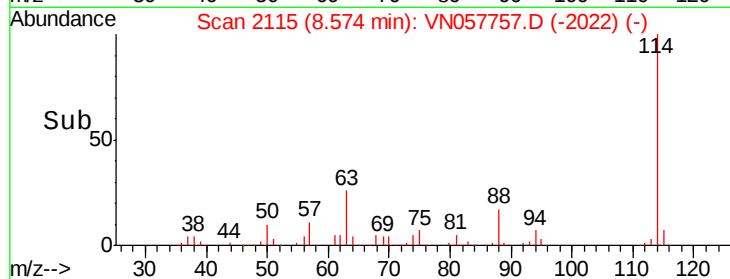
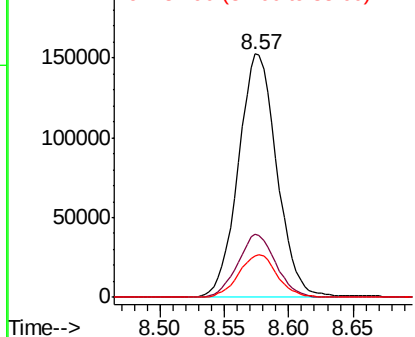
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN057757.D
 Acq: 7 Sep 2019 16:35

Instrument :
 MSVOA_N
 ClientSampleId :
 T12-C3-(3.5)

Tgt Ion:114 Resp: 316916
 Ion Ratio Lower Upper
 114 100
 63 25.8 0.0 52.4
 88 16.8 0.0 35.4

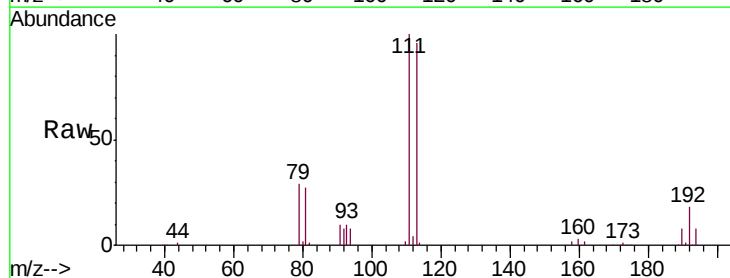


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

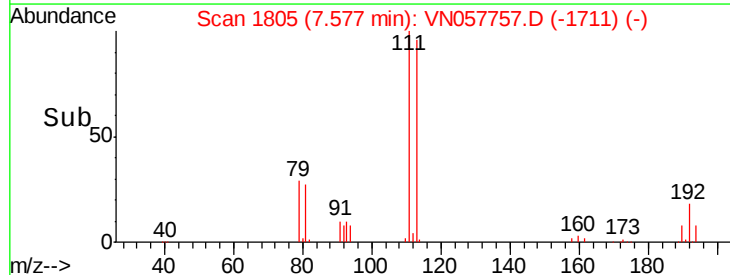
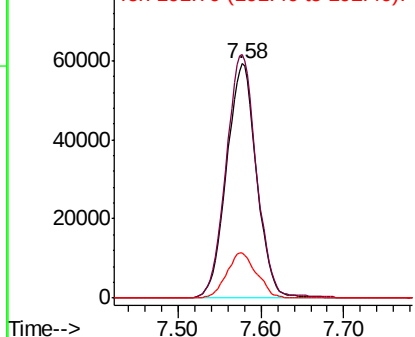


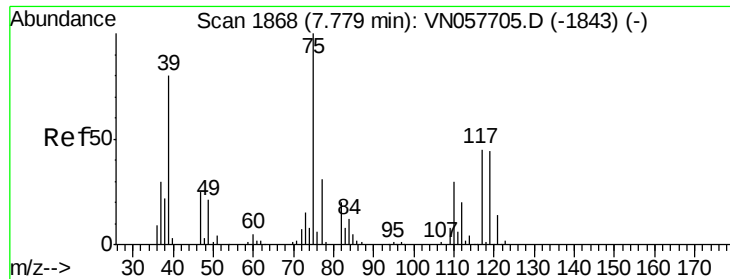
#35
 Dibromofluoromethane
 Concen: 51.618 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN057757.D
 Acq: 7 Sep 2019 16:35

Tgt Ion:113 Resp: 149003
 Ion Ratio Lower Upper
 113 100
 111 104.4 82.7 124.1
 192 19.4 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

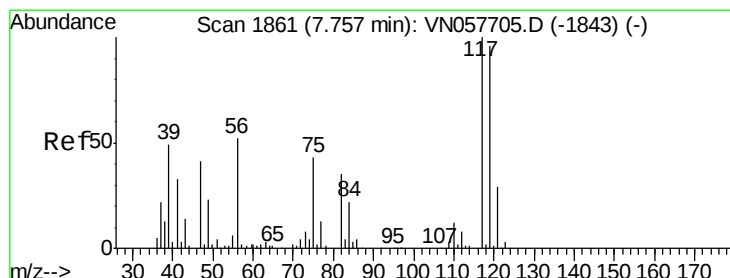
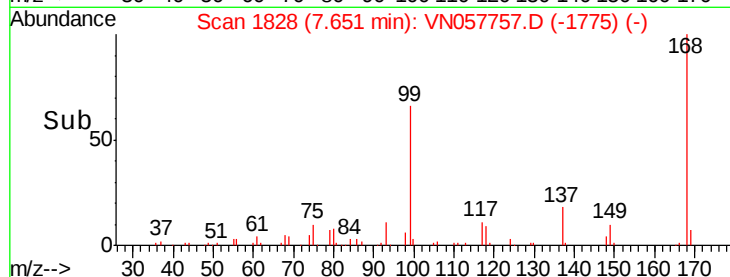
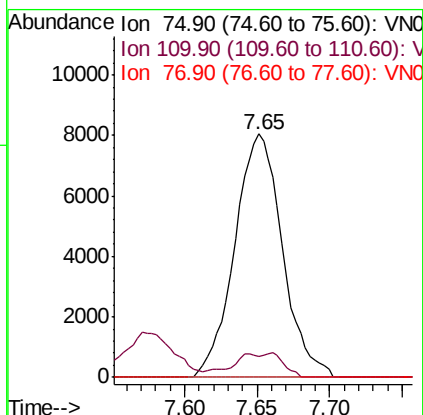
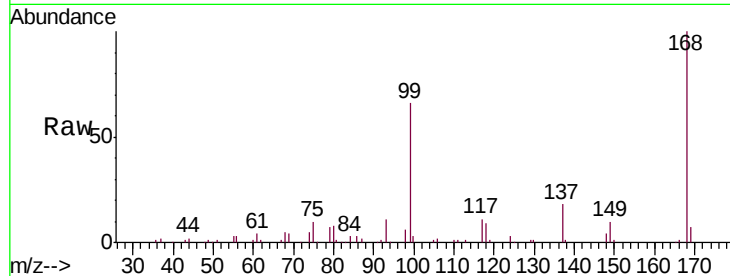




#36
 1,1-Dichloropropene
 Concen: 4.366 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.13 min
 Lab File: VN057757.D
 Acq: 7 Sep 2019 16:35

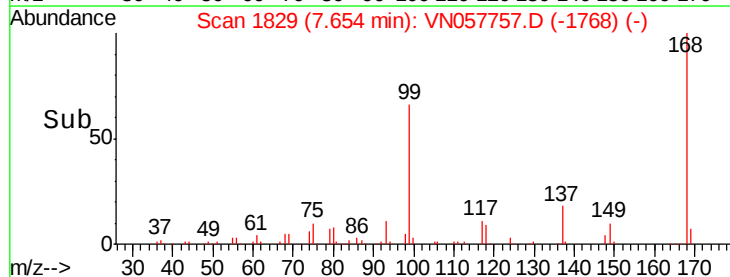
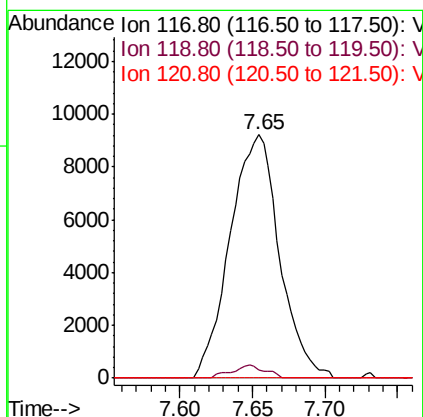
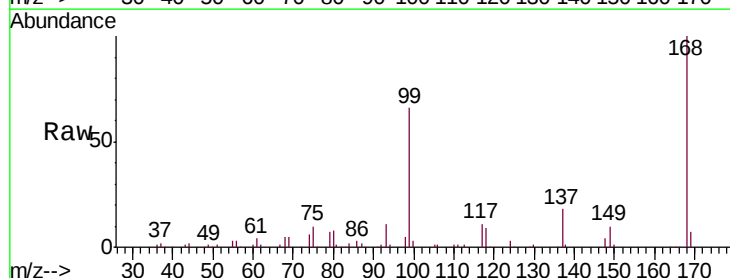
Instrument :
 MSVOA_N
 ClientSampleId :
 T12-C3-(3.5)

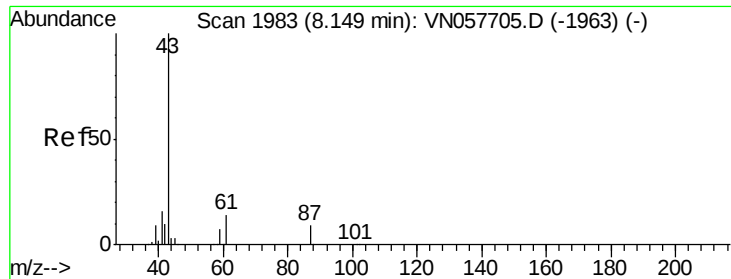
Tgt Ion	Ratio	Lower	Upper
75	100		
110	3.6	15.0	45.0#
77	0.0	24.6	37.0#



#38
 Carbon Tetrachloride
 Concen: 5.413 ug/l
 RT: 7.65 min Scan# 1829
 Delta R.T. -0.10 min
 Lab File: VN057757.D
 Acq: 7 Sep 2019 16:35

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.4	76.1	114.1#
121	0.0	23.4	35.2#





#43

Isopropyl Acetate

Concen: 6.822 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN057757.D

Acq: 7 Sep 2019 16:35

Instrument :

MSVOA_N

ClientSampleId :

T12-C3-(3.5)

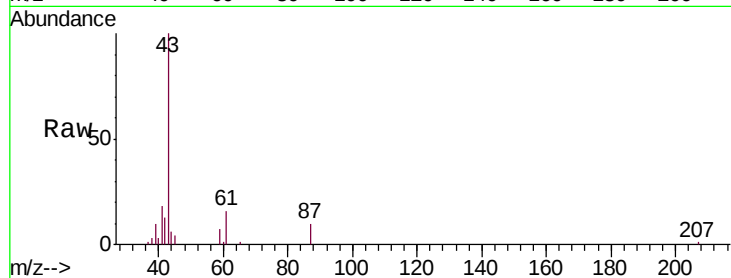
Tgt Ion: 43 Resp: 54805

Ion Ratio Lower Upper

43 100

61 16.0 12.8 19.2

87 9.5 7.8 11.8

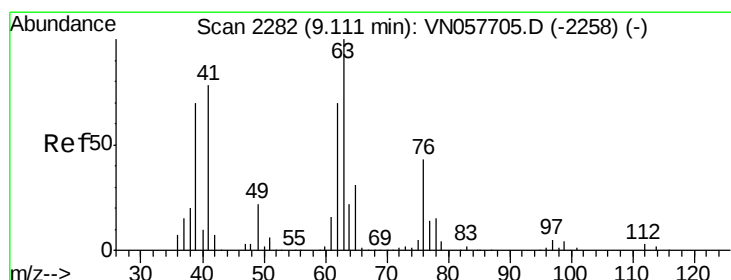
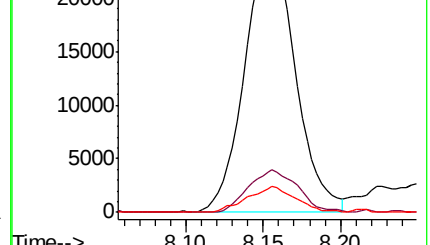
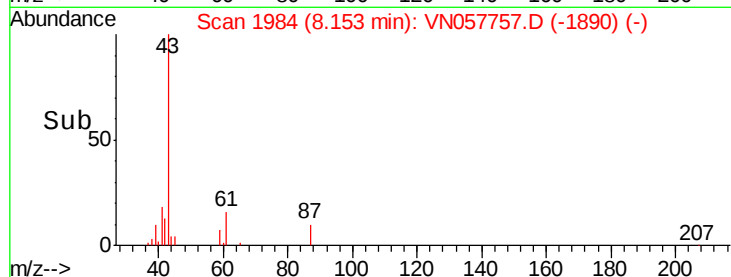


Abundance Ion 43.00 (42.70 to 43.70): VN057705.D (-1963) (-)

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

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

Time-->



#45

1,2-Dichloropropane

Concen: 0.222 ug/l

RT: 9.26 min Scan# 2329

Delta R.T. 0.15 min

Lab File: VN057757.D

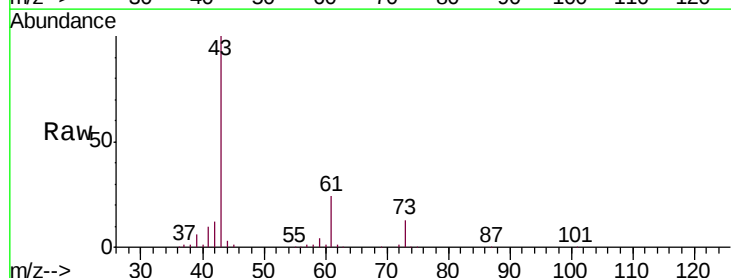
Acq: 7 Sep 2019 16:35

Tgt Ion: 63 Resp: 740

Ion Ratio Lower Upper

63 100

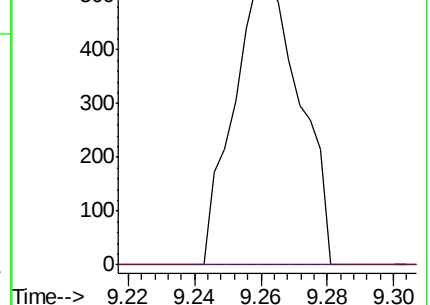
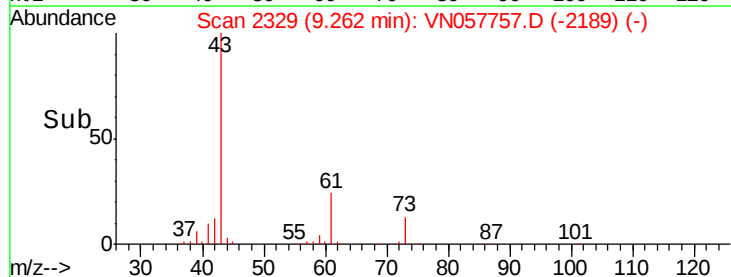
65 0.0 24.5 36.7#

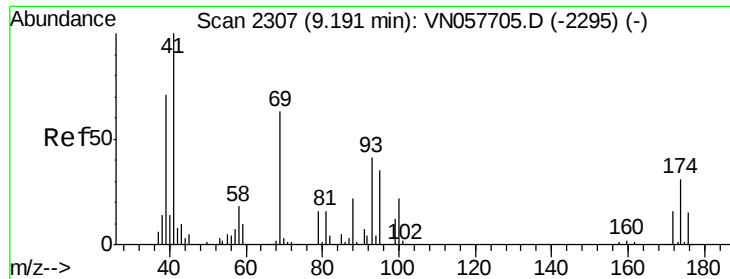


Abundance Ion 62.90 (62.60 to 63.60): VN057705.D (-2258) (-)

Ion 64.90 (64.60 to 65.60): VN057705.D (-2258) (-)

Time-->

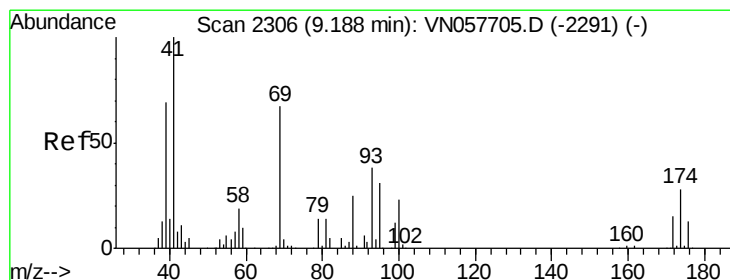
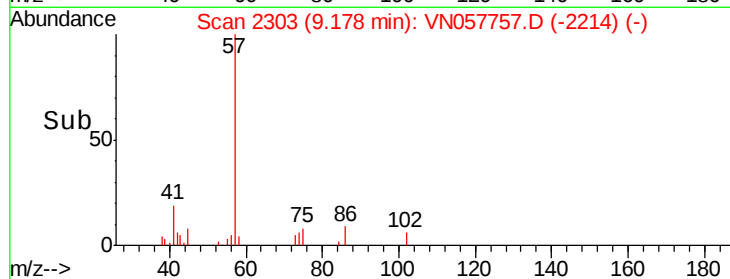
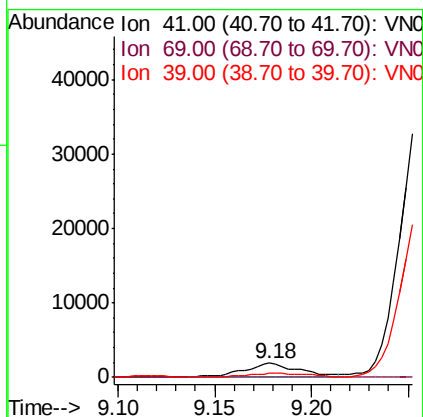
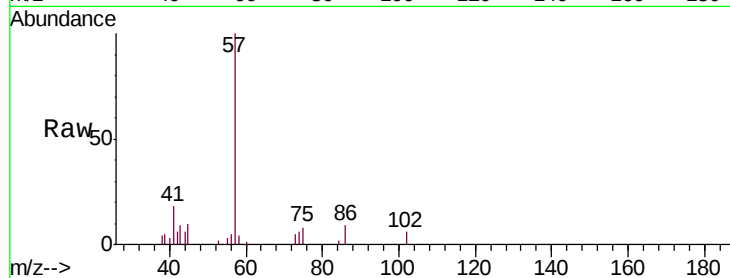




#48
Methyl methacrylate
Concen: 0.920 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.01 min
Lab File: VN057757.D
Acq: 7 Sep 2019 16:35

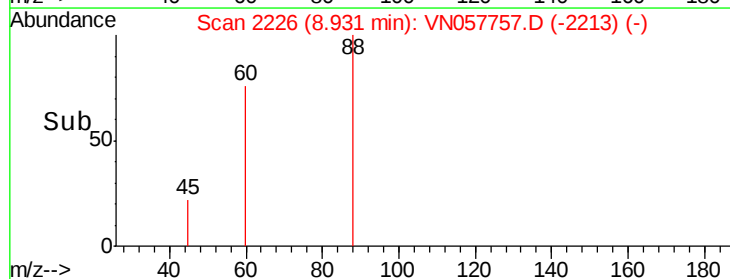
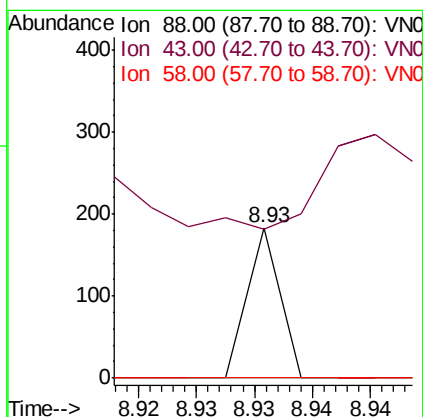
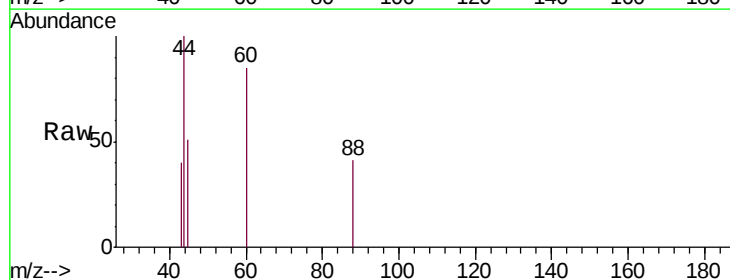
Instrument :
MSVOA_N
ClientSampled :
T12-C3-(3.5)

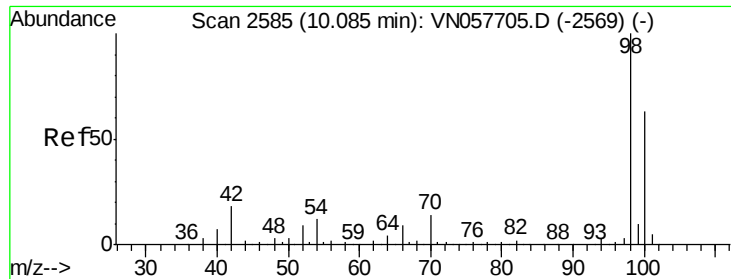
Tgt Ion: 41 Resp: 3801
Ion Ratio Lower Upper
41 100
69 0.0 51.2 76.8#
39 0.0 57.3 85.9#



#49
1,4-Dioxane
Concen: 0.749 ug/l
RT: 8.93 min Scan# 2226
Delta R.T. -0.26 min
Lab File: VN057757.D
Acq: 7 Sep 2019 16:35

Tgt Ion: 88 Resp: 36
Ion Ratio Lower Upper
88 100
43 0.0 35.4 53.2#
58 0.0 61.5 92.3#





#50

Toluene-d8

Concen: 53.309 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN057757.D

Acq: 7 Sep 2019 16:35

Instrument :

MSVOA_N

ClientSampleId :

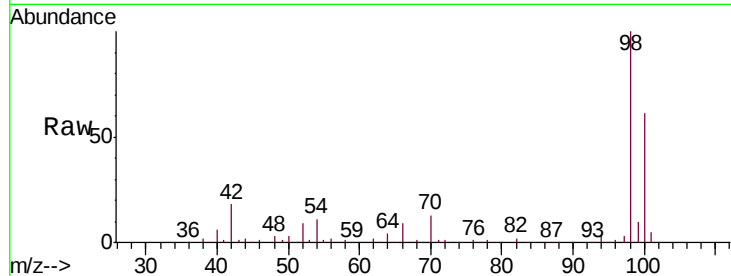
T12-C3-(3.5)

Tgt Ion: 98 Resp: 569248

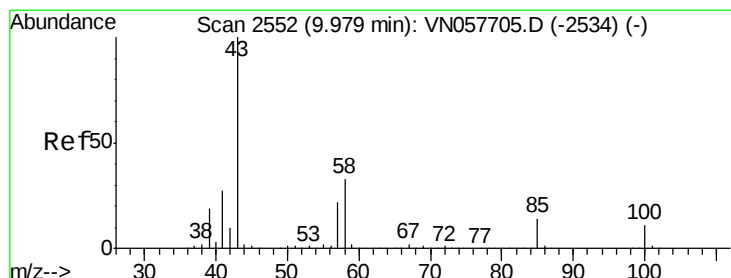
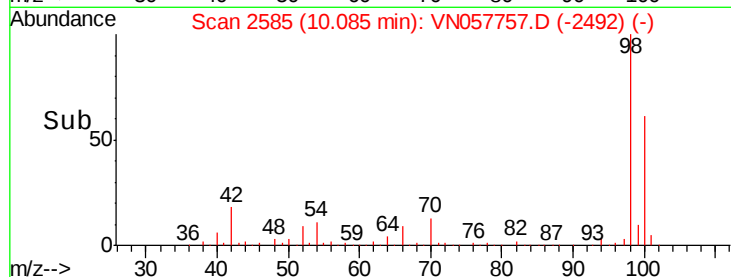
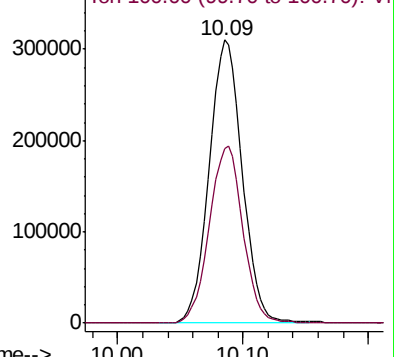
Ion Ratio Lower Upper

98 100

100 63.5 50.7 76.1



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



#51

4-Methyl-2-Pentanone

Concen: 0.929 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. -0.00 min

Lab File: VN057757.D

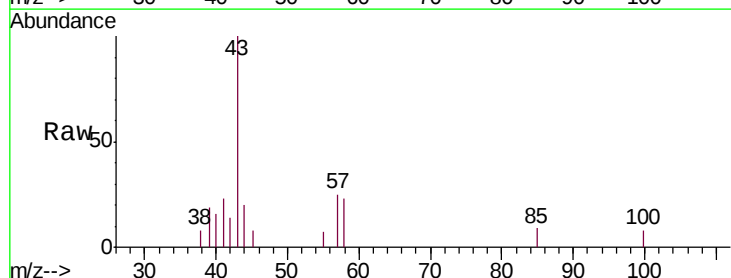
Acq: 7 Sep 2019 16:35

Tgt Ion: 43 Resp: 4147

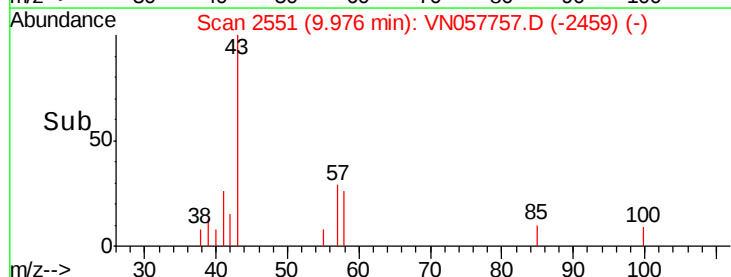
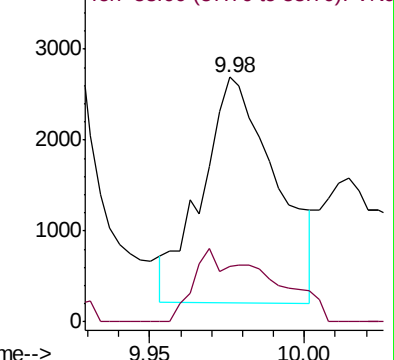
Ion Ratio Lower Upper

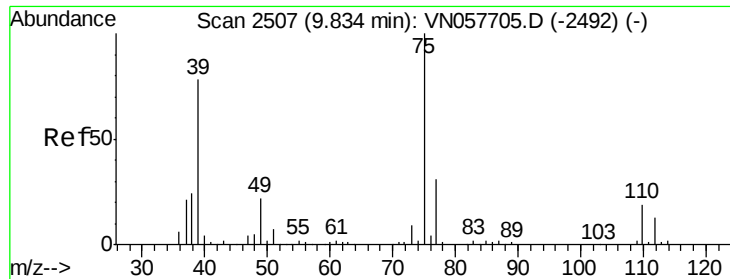
43 100

58 14.6 25.8 38.8#



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



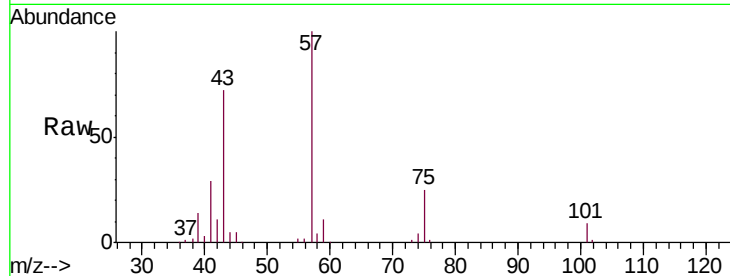


#54

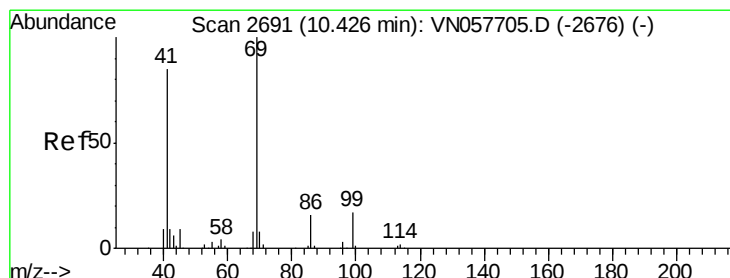
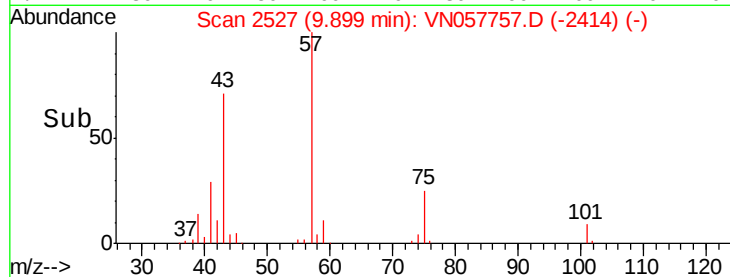
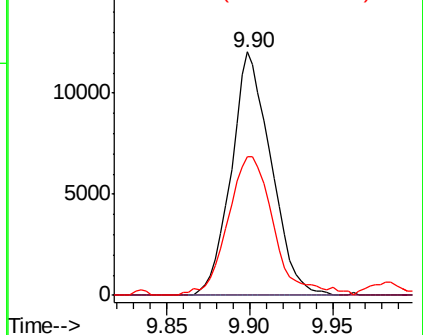
cis-1,3-Dichloropropene
 Concen: 4.075 ug/l
 RT: 9.90 min Scan# 2527
 Delta R.T. 0.06 min
 Lab File: VN057757.D
 Acq: 7 Sep 2019 16:35

Instrument :
 MSVOA_N
 ClientSampleId :
 T12-C3-(3.5)

Tgt Ion: 75 Resp: 20083
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.1 37.7#
 39 55.3 62.4 93.6#



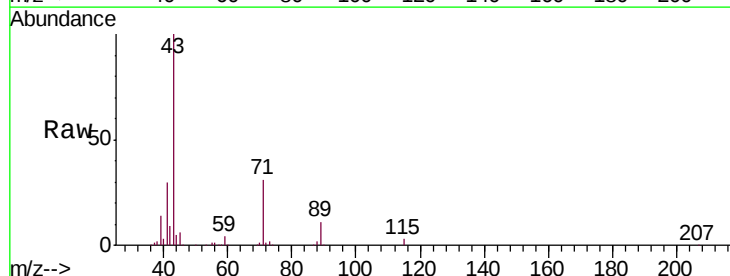
Abundance Ion 74.90 (74.60 to 75.60): VNO
 Ion 76.90 (76.60 to 77.60): VNO
 Ion 39.00 (38.70 to 39.70): VNO



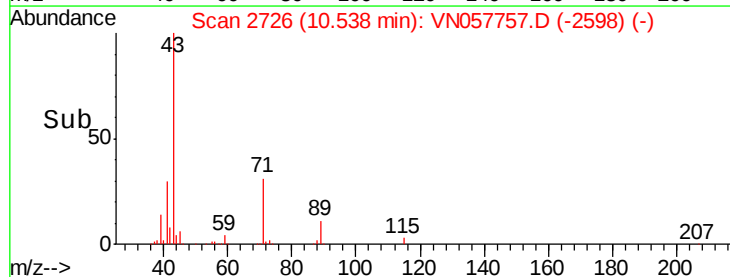
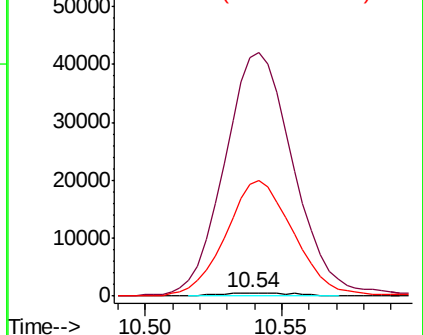
#56

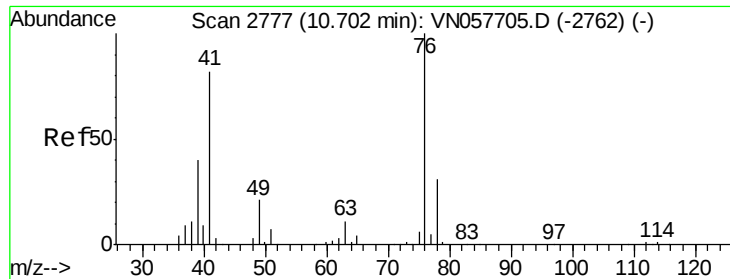
Ethyl methacrylate
 Concen: 0.234 ug/l
 RT: 10.54 min Scan# 2726
 Delta R.T. 0.11 min
 Lab File: VN057757.D
 Acq: 7 Sep 2019 16:35

Tgt Ion: 69 Resp: 1086
 Ion Ratio Lower Upper
 69 100
 41 6869.4 69.0 103.4#
 39 3182.8 49.2 73.8#



Abundance Ion 69.00 (68.70 to 69.70): VNO
 Ion 41.00 (40.70 to 41.70): VNO
 Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 0.588 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.06 min

Lab File: VN057757.D

Acq: 7 Sep 2019 16:35

Instrument :

MSVOA_N

ClientSampleId :

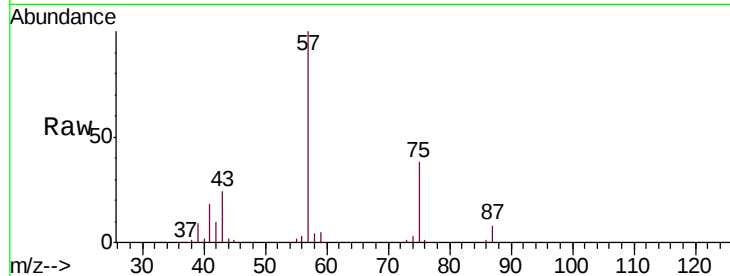
T12-C3-(3.5)

Tgt Ion: 76 Resp: 3072

Ion Ratio Lower Upper

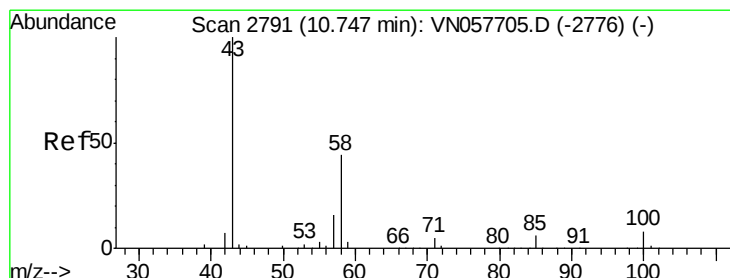
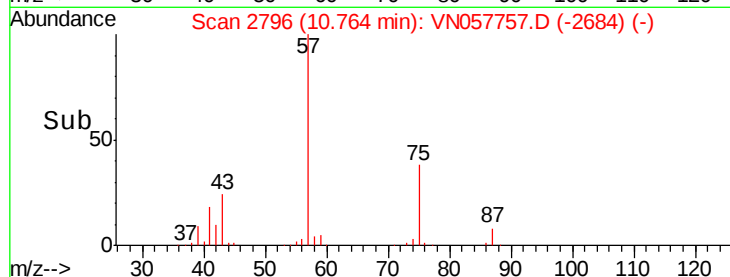
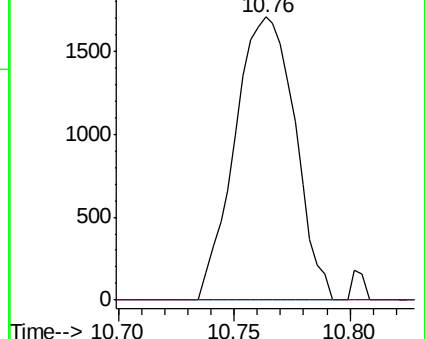
76 100

78 0.0 25.5 38.3#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#59

2-Hexanone

Concen: 19.022 ug/l

RT: 10.76 min Scan# 2795

Delta R.T. 0.01 min

Lab File: VN057757.D

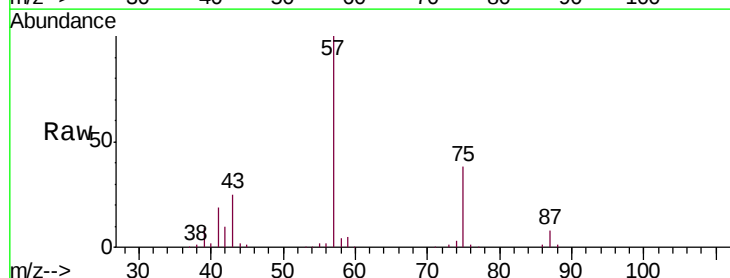
Acq: 7 Sep 2019 16:35

Tgt Ion: 43 Resp: 59847

Ion Ratio Lower Upper

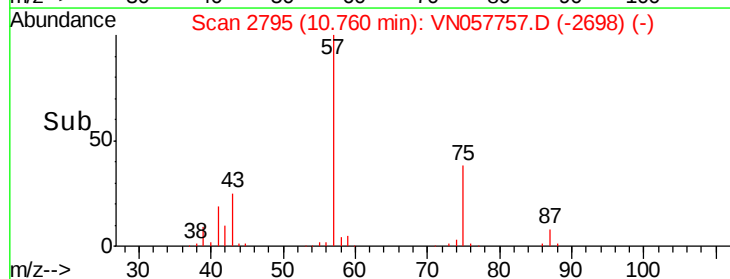
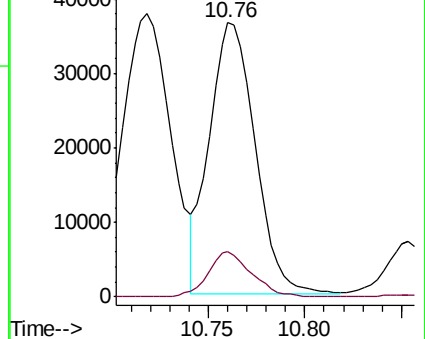
43 100

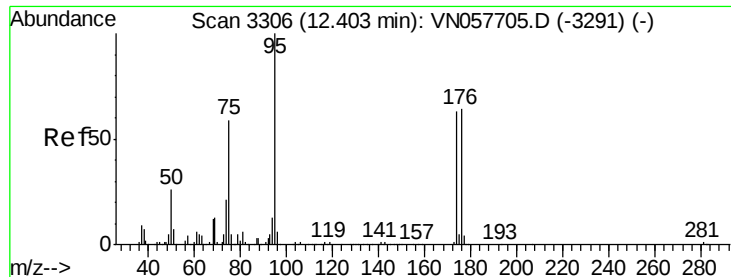
58 15.8 22.1 66.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#62

4-Bromofluorobenzene

Concen: 46.189 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN057757.D

Acq: 7 Sep 2019 16:35

Instrument :

MSVOA_N

ClientSampleId :

T12-C3-(3.5)

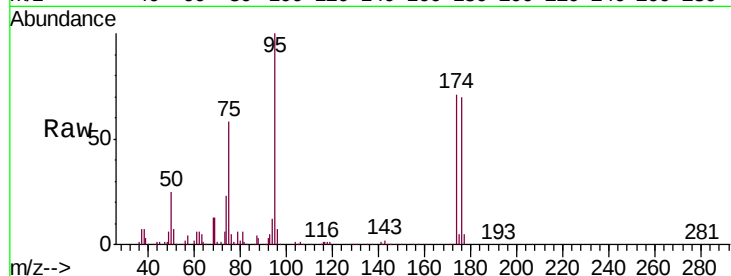
Tgt Ion: 95 Resp: 204860

Ion Ratio Lower Upper

95 100

174 74.3 0.0 128.0

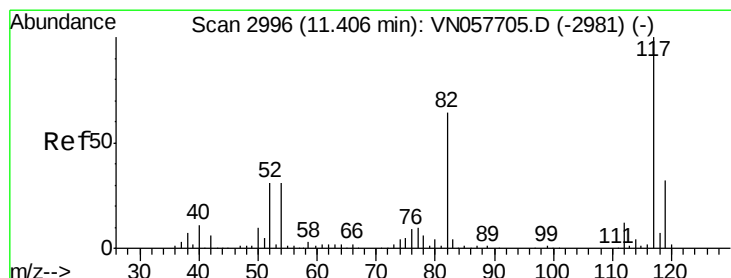
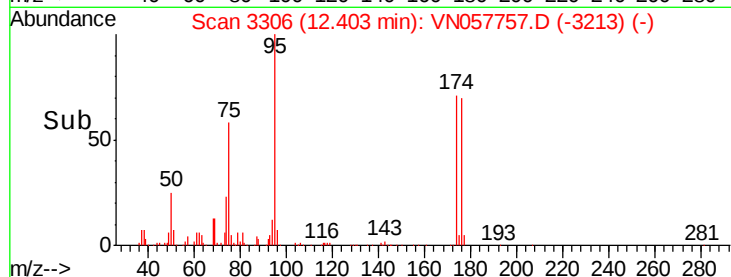
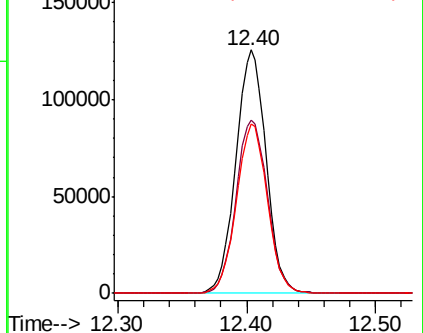
176 71.2 0.0 128.0



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: VN057757.D

Acq: 7 Sep 2019 16:35

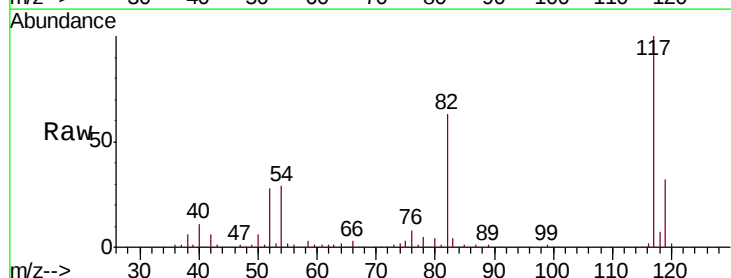
Tgt Ion: 117 Resp: 300220

Ion Ratio Lower Upper

117 100

82 62.8 51.4 77.0

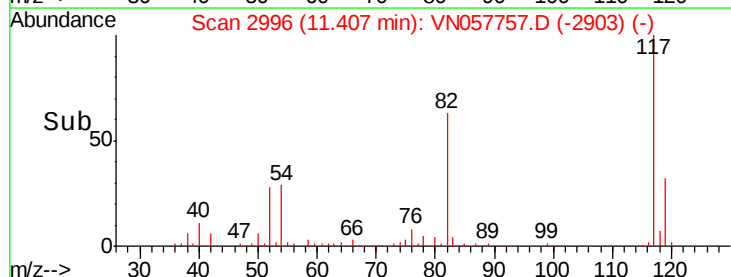
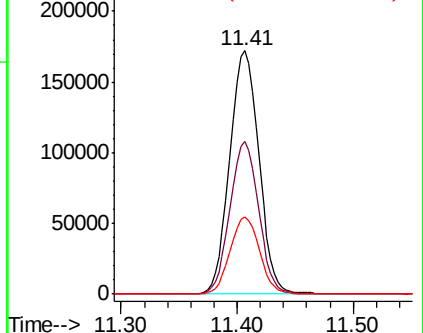
119 31.7 25.4 38.2

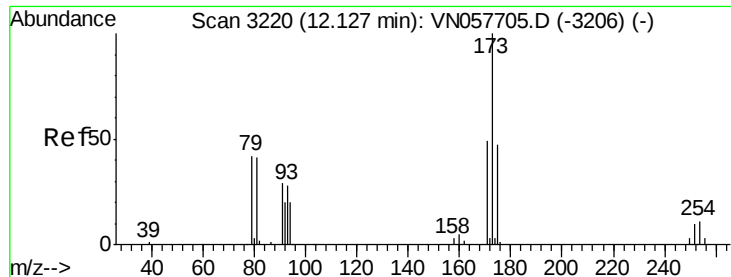


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0





#71

Bromoform

Concen: 3.452 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. 0.27 min

Lab File: VN057757.D

Acq: 7 Sep 2019 16:35

Instrument :

MSVOA_N

ClientSampleId :

T12-C3-(3.5)

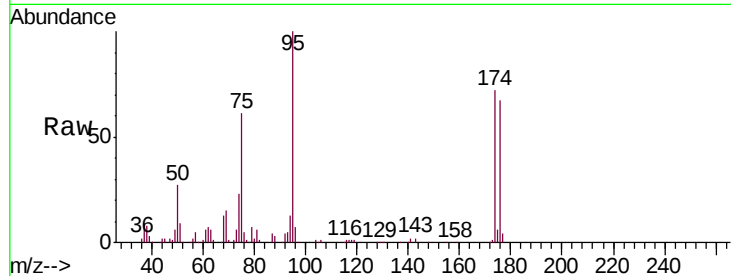
Tgt Ion:173 Resp: 458

Ion Ratio Lower Upper

173 100

175 2109.0 24.6 73.8#

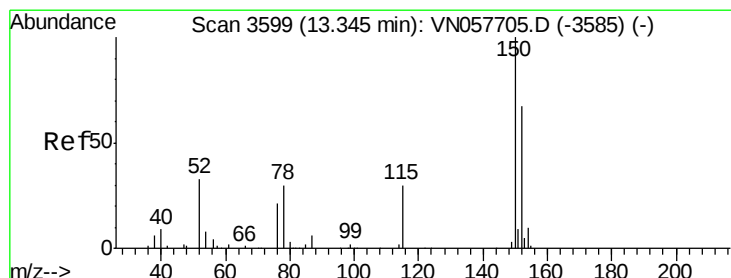
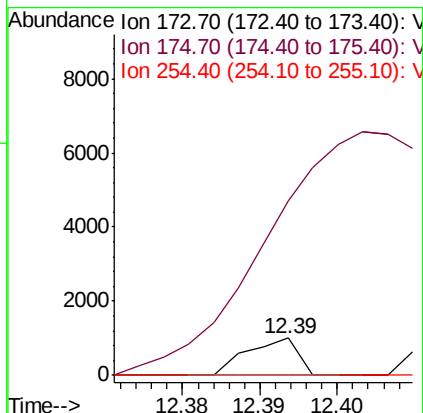
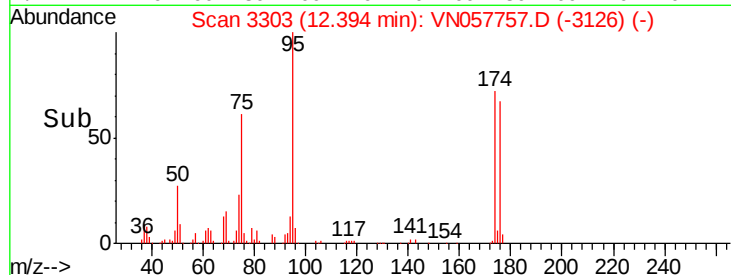
254 0.0 0.0 0.0



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: VN057757.D

Acq: 7 Sep 2019 16:35

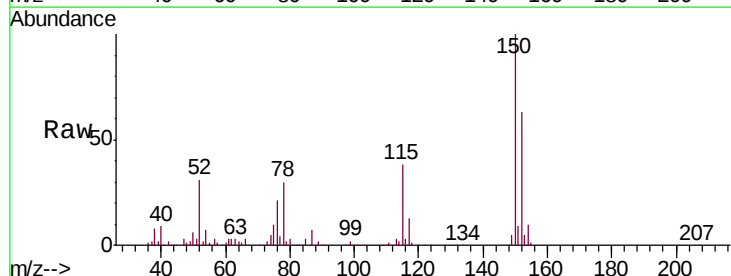
Tgt Ion:152 Resp: 153392

Ion Ratio Lower Upper

152 100

115 62.1 33.8 101.3

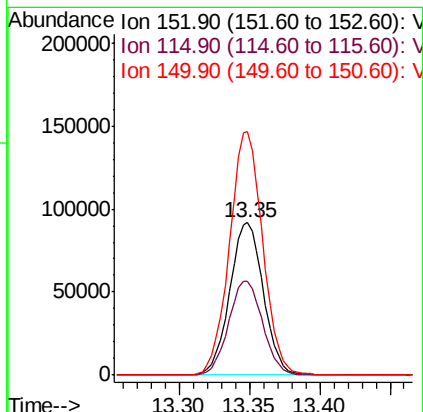
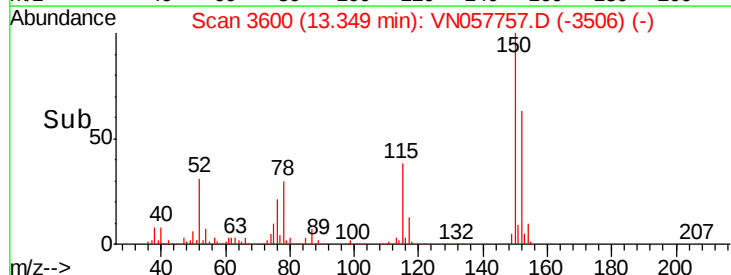
150 157.0 0.0 345.4

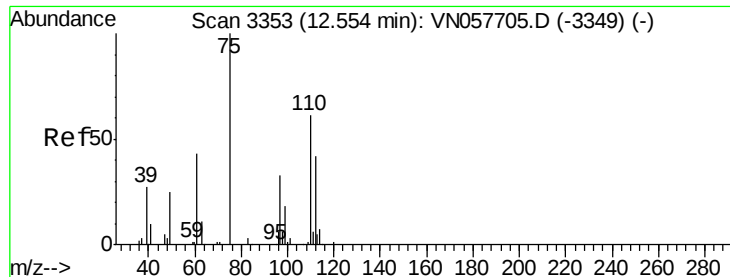


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 34.592 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN057757.D

Acq: 7 Sep 2019 16:35

Instrument :

MSVOA_N

ClientSampled :

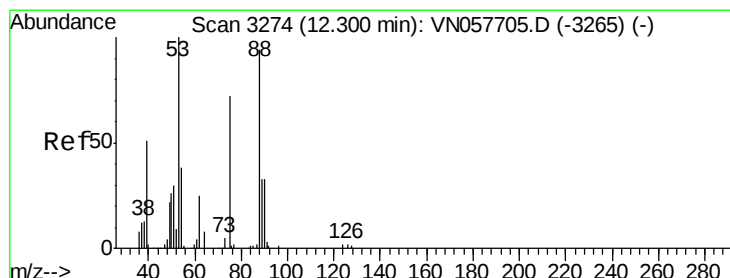
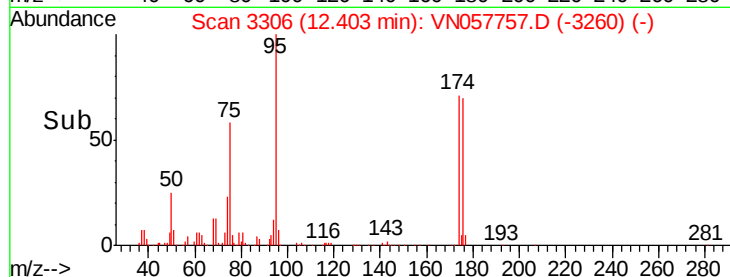
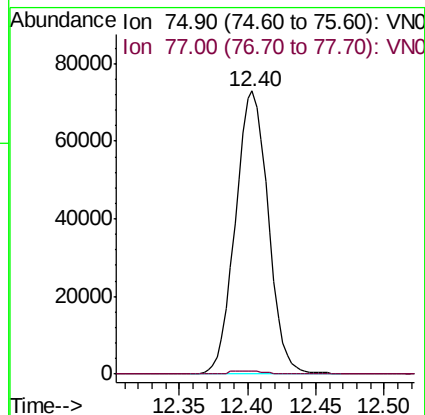
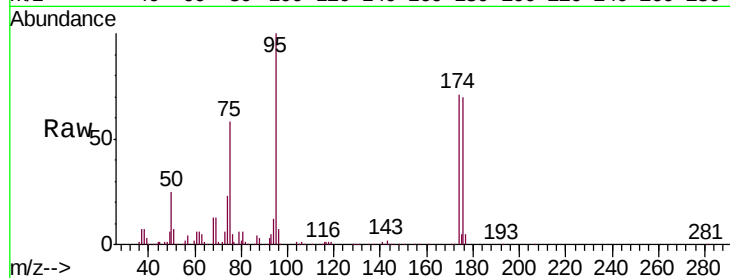
T12-C3-(3.5)

Tgt Ion: 75 Resp: 121847

Ion Ratio Lower Upper

75 100

77 0.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 107.580 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN057757.D

Acq: 7 Sep 2019 16:35

Tgt Ion: 75 Resp: 121847

Ion Ratio Lower Upper

75 100

53 0.0 107.0 160.6#

89 0.0 36.5 54.7#

